

Report No. 359526-01

# Test Report Radio Characteristics

Product	Development Kit							
Name and address of the applicant	Nordic Semiconductor ASA Otto Nielsens vei 12, 7004 Trondheim, Norway							
Name and address of the manufacturer	Nordic Semiconductor ASA Otto Nielsens vei 12, 7004 Trondheim, Norway							
Model	nRF52-DK							
Rating	3V Lithim battery or 5Vdc, 50mA (USB)							
Trademark	Nordic Semiconductor							
Serial number	682787661							
Additional information	Bluetooth Low Energy							
Tested according to	ETSI EN 300 328 v2.1.1 (2016-11 <b>)</b> Draft ETSI EN 300 328 v2.2.0 (2017-11)							
Order number	359526							
Tested in period	2018.08.20 - 2018.08.23							
Issue date	2018.08.28							
Name and address of the testing laboratory	Nemko Group         Nemko AS         Gaustadalléen 30,         P.O.Box 73 Blindern,         0314 Oslo, Norway         Tel: +47 22 96 03 30         Fax: +47 22 96 05 50         An accredited technical test executed under the Norwegian accreditation scheme							
	G. Subathahm. Frace Svere Prepared by [G.Suhanthakumar] Approved by [Frode Sveinsen] ced except in full without the written approval of Nemko. Opinions and interpretations not part of the current accreditation. This report was originally distributed electronically information contact Nemko.							

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# 1 GENERAL INFORMATION

### 1.1 Test Information

Name :	Nordic Semiconductor
Model/version :	nRf52-DK
Serial number :	682787661
Hardware identity and/or version :	V1.2.1
Software identity and/or version :	35212
Adaptivity:	N/A
Frequency Range :	2402 - 2480 MHz
Number of Channels :	40
Channel Spacing :	2 MHz
Operating Mode :	Mode 4 : BLE2M , and Mode 5: NRF1M
Type of Modulation :	GFSK
Rated Output Power :	4 dBm @ 50 ohm
Power supply :	USB (5Vdc) or 3V lithium battery
Antenna Connector :	N/A (PCB antenna)
Number of Antennas :	1
Receiver:	Yes
Geo-Location capability:	Not implemented

### **Description of Tested Device(s)**

The nRF52 DK is a single board development kit for *Bluetooth* low energy and 2.4GHz proprietary applications This kit supports development for the nRF52832 and nRF52810 SoC.

An NFC antenna can be connected the kit to enable NFC tag functionality. This test report does not cover NFC tesing. The kit gives access to all I/O and interfaces via connectors and has 4 LEDs and 4 buttons which are user-programmable.



### 1.2 Test Environment

#### 1.2.1 Normal test condition

Temperature:	20.0 – 23.3 °C
Relative humidity:	20.0 - 44.0 %
Normal test voltage:	5Vdc (USB)

The values are the limit registered during the test period.

#### 1.2.2 Extreme test conditions

#### Voltage

5Vdc (USB)

#### Temperature

Minimum Temp.:	+5 °C
Maximum Temp.:	+35 °C

Defined by the manufacturer.

### 1.3 Test Engineer

G.Suhanthakumar

### 1.4 Test Equipment

See list of test equipment in clause 8.

### 1.5 Other Comments

The EUT has been tested to ETSI EN 300 328 and all relevant tests are passed. The difference between V2.1.1 and draft version V2.2.0 is blocking test. This blocking test is performed according to both versions.



# 2 TEST REPORT SUMMARY

### 2.1 General

The tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with

#### EN 300 328 V2.1.1 (2016-11):

Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using spread spectrum modulation techniques: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

### EN 300 328 V2.2.0 (2017-11):

Wideband Transmission systems; Data transmission equipment operating in the 2.4 GHz ISM band and using wide band modulation techniques: Harmonised Standard for access to radio spectrum.

The test methods have been in accordance with TM-NO-WLS-500, TM-NO-WLS-204A and EN 300 328 where applicable.

Radiated tests were performed is accordance with TM-NO-WLS-500, TM-NO-WLS-204A and EN 300 328. Radiated emissions are made in a 3m anechoic chamber.

Production Unit

Pre-production Unit



#### THIS TEST REPORT APPLIES ONLY TO THE ITEM(S) AND CONFIGURATIONS TESTED.

Deviations from, additions to, or exclusions from the test specifications are described in "Summary of Test Data".

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### 3 Test Report Summary

#### 3.1 Abbreviations

The following abbreviations are used in the test summary:

- Pass The test results are inside the limits given in EN 300 328.
- Fail The test results are outside the limits given in EN 300 328.
- N/A Not applicable. The testcase is not applicable for the tested equipment.
- **N/T** Not tested. The testcase is not covered by this test report.
- **U** Unconditional.
- C Conditional.

### 3.2 Test Summary

Harmonized Standard EN 300 328										
Technical Reqirement reference			ical Requirement Conditionality	Test Specification						
Description	Reference Clause No	U/C	Condition	Reference Clause No	Verdict (P/F/NA)					
RF Output Power	4.3.1.2 or 4.3.2.2	U		5.4.2	Р					
Power Spectral Density	4.3.2.3	С	Only for modulations other than FHSS	5.4.3	N/A <sup>1</sup>					
Duty cycle, Tx-Sequence, Tx-gap	4.3.1.3 or 4.3.2.4	С	Only for non-adaptive equipment	5.4.2	N/A <sup>1</sup>					
Accumlated Transmit time, Frequency Occupation & Hopping Sequence	4.3.1.4	С	Only for FHSS	5.4.4	N/A					
Hopping Frequency Separation	4.3.1.5	С	Only for FHSS	5.4.5	N/A					
Medium Utilisation	4.3.1.6 or 4.3.2.5	С	Only for non-adaptive equipment	5.4.2	N/A					
Adaptivity	4.3.1.7 or 4.3.2.6	С	Only for adaptive equipment	5.4.6	N/A <sup>1</sup>					
Occupied Channel Bandwidth	4.3.1.8 or 4.3.2.7	U		5.4.7	Р					
Transmitter unwanted emissions in the Out-of-Band domain	4.3.1.9 or 4.3.2.8	U		5.4.8	Р					
Transmitter unwanted emissions in the spurious domain	4.3.1.10 or 4.3.2.9	U		5.4.9	Р					
Receiver spurious emissions	4.3.1.11 or 4.3.2.9	U		5.4.10	Р					
Receiver Blocking	4.3.1.12 or 4.3.2.11	U		5.4.11	Р					
Geo-Location capability	4.3.1.13 or 4.3.2.12	С	If Implemented	х	N/A <sup>2</sup>					

<sup>1</sup>: The eirp is less than 10 dBm

<sup>2</sup>: Not implemented.



### 4 Test Results

### 4.1 RF Output Power, Radiated (Mode 4 and 5)

#### ETSI EN 300 328 subclause 4.3.2.2

### EIRP

### nRF52832(Mode 4)

DUT Frequency (MHz)	Polarization	Max EIRP (dBm)	Limit (dBm)	Temperature (°C)	Result	Comment
2402.000000	HP	4.75	<= 20.0	23	PASS	XY plane
2440.000000	HP	3.81	<= 20.0	23	PASS	XY plane
2480.000000	HP	5.58	<= 20.0	23	PASS	XY plane

50% duty cycle (Peak Power)

### NRF1M(Mode 5)

DUT Frequency (MHz)	Polarization	Max EIRP (dBm)	Limit (dBm)	Temperature (°C)	Result	Comment
2402.000000	HP	4.14	<= 20.0	23	PASS	XY plane
2440.000000	HP	4.48	<= 20.0	23	PASS	XY plane
2480.000000	HP	4.91	<= 20.0	23	PASS	XY plane

57.6 % duty cycle (Peak Power)

The maximum eirp is observed in Horizontal polarization & XY plane.

#### Limits: Clause 4.3.2.2.3

Maximum Effective Radiated Power shall be less than or equal to 100 mW (20 dBm) e.i.r.p.

Test Equipment Used: 2,8,9



## 4.2 **RF Output Power, Conducted** - nRF52832(Mode 4)

ETSI EN 300 328 subclause 4.3.2.2

Manufacturer stated antenna gain 0 dBi is used to determine EIRP.

### Nominal

DUT Frequency (MHz)	Max Burst RMS Power (dBm)	Max EIRP (dBm	Limit (dBm)	Temperature (°C)	Result	Comment
2402	3.6	3.6	<= 20.0	21.0	PASS	
2440	3.6	3.6	<= 20.0	21.0	PASS	
2480	3.5	3.5	<= 20.0	21.0	PASS	

### 5° C, 1.7Vdc

DUT Frequency (MHz)	Max Burst RMS Power (dBm)	Max EIRP (dBm	Limit (dBm)	Temperature (°C)	Result	Comment
2402	3.9	3.9	<= 20.0	5.0	PASS	
2440	4.0	4.0	<= 20.0	5.0	PASS	
2480	3.9	3.9	<= 20.0	5.0	PASS	

### 5° C, 5Vdc

DUT Frequency (MHz)	Max Burst RMS Power (dBm)	Max EIRP (dBm	Limit (dBm)	Temperature (°C)	Result	Comment
2402	3.9	3.9	<= 20.0	5.0	PASS	
2440	3.9	3.9	<= 20.0	5.0	PASS	
2480	3.9	3.9	<= 20.0	5.0	PASS	

### 35° C, 1.7Vdc

DUT Frequency (MHz)	Max Burst RMS Power (dBm)	Max EIRP (dBm	Limit (dBm)	Temperature (°C)	Result	Comment
2402	3.5	3.5	<= 20.0	35.0	PASS	
2440	3.5	3.5	<= 20.0	35.0	PASS	
2480	3.4	3.4	<= 20.0	35.0	PASS	



### 35° C, 5Vdc

DUT Frequency (MHz)	Max Burst RMS Power (dBm)	Max EIRP (dBm	Limit (dBm)	Temperature (°C)	Result	Comment
2402	3.5	3.5	<= 20.0	35.0	PASS	
2440	3.5	3.5	<= 20.0	35.0	PASS	
2480	3.4	3.4	<= 20.0	35.0	PASS	

### Limits: Clause 4.3.2.2

Maximum Equivalent Isotropic Radiated Power shall be less than or equal to 100 mW (20 dBm)

Test Equipment Used: 2, 12



### 4.3 **Power Spectral Density**

ETSI EN 300 328 subclause 4.3.2.3

N/A (eirp is less than 10 dBm)

Limits: Clause 4.3.2.3.3

The maximum power spectral density is limited to 10 dBm per MHz

Test Equipment Used: -



### 4.4 Duty Cycle,TX-Sequence, TX-gap

ETSI EN 300 328 subclause 4.3.2.4

#### Test Results : N/A

This requirement is not applicable for using FHSS and using DSSS with RF output power less than 10 dBm e.i.r.p. But applicable to non-adaptive equipment or to adaptive equipment when operating in a non- adaptive mode.

#### Limits: Clause 4.3.2.4.3

The Duty cycle shall be equal to or less than the maximum value declared by the supplier. The TX- sequence time shall be equal to or less than 10ms. The minimum Tx-gap time following a Txsequence shall be equal to the duration of that proceeding Tx-sequence with minimum of 3.5ms.



### 4.5 Medium Utilisation (MU) factor

ETSI EN 300 328 subclause 4.3.2.5

#### Test Results: N/A

This requirement is not applicable for Adaptive Equipments, using FHSS and RF out-put power less than 10 dBm e.i.r.p.

#### Limits: Clause 4.3.2.5.3

For non-adaptive equipment using wide band modulations other than FHSS, the maximum Medium Utilisation factor shall be 10 %.

Test Equipment Used: /



### 4.6 Adaptivity

ETSI EN 300 328 subclause 4.3.2.6

CI.4.3.2.6.2 - Non-LBT based Detect and Avoid : N/A

Test results: N/A

Limits: clause 4.3.2.6.2.2.2

CI.4.3.2.6.3 – LBT based Detect and Avoid: N/A

Frame Based equipment: -

Test results : N/A

Load based equipment : N/A

Test results : N/A

Limits: clause 4.3.2.6.3.2.2, for Frame based equipment

Limits: clause 4.3.2.6.3.2.3, for Load based equipment

CI.4.3.2.6.4 – Short Control Signalling Transmissions: N/A

Test results : N/A

Limits: Clause 4.3.2.6.4.2

Test Equipment Used: N/A



### 4.7 Occupied Channel Bandwidth

#### ETSI EN 300 328 subclause 4.3.2.7

### 99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)	Band Edge Right (MHz)
2402.000	1.88			2401.054726	2400.000000	2402.935323
2440.000	1.89			2439.054726	2400.000000	2440.945274
2480.000	1.89			2479.054726	2400.000000	2480.945274

### Limits: Clause 4.3.2.7.3

The Occupied Channel Bandwidth shall fall completely within the 2400 – 2483.5 MHz band. In addition, for non-adaptive systems using wide band modulations other than FHSS and with e.i.r.p greater than 10 dBm, the occupied channel bandwidth shall be less than 20 MHz

Test Equipment Used: 1,2,5



# Low Frequency



# **Middle Frequency**





# **High Frequency**





# 4.8 Transmitter unwanted emissions in the Out-of-band domain

#### ETSI EN 300 328 subclause 4.3.2.8

Frequency (MHz)	level (dBm)	Limit (dBm)	Result
2396.738806	-48.2	-20.0	PASS
2397.619403	-45.3	-20.0	PASS
2398.619403	-44.0	-10.0	PASS
2399.500000	-33.5	-10.0	PASS
2484.000000	-53.4	-10.0	PASS
2484.880597	-53.9	-10.0	PASS
2485.880597	-54.5	-20.0	PASS
2486.761194	-54.1	-20.0	PASS

C	Ch2480MHz			
	Frequency (MHz)	level (dBm)	Limit (dBm)	Result
	2396.718904	-52.8	-20.0	PASS
	2397.609452	-53.5	-20.0	PASS
	2398.609452	-53.8	-10.0	PASS
	2399.500000	-54.9	-10.0	PASS
	2484.000000	-45.6	-10.0	PASS
	2484.890548	-45.8	-10.0	PASS
	2485.890548	-46.7	-20.0	PASS
	2486.781096	-47.3	-20.0	PASS

#### Limits: Clause 4.3.2.8.3

Out of Band Domain	Limit (dBm/MHz)
A	-10 dBm/MHz e.i.r.p.
В	-20 dBm/MHz e.i.r.p.

Test Equipment Used: 1,2,5



# Ch2402MHz



# Ch2480MHz









### 4.9 Transmitter spurious emissions - Radiated (Operating) – Mode4

### ETSI EN 300 328 subclause 4.3.2.9

Frequency (MHz)	Detector	Polarization	Spurious Emission Level (dBm)
30 – 1000 (all others)	PK	VP/HP	< -60
1000 – 12750 (all others)	PK	VP/HP	< -36
Measurement uncertainty			≤ 2GHz - ±1.1 dB 2GHz - 18 GHz - ±2.0 dB

Mode 4: BLE2Mps. Regulator DC

#### Limits: Clause 4.3.2.9.3

Frequency Range	Maximum power e.r.p. (≤ 1 GHz) e.i.r.p (> 1 GHz)	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87.5 MHz	-36 dBm	100 kHz
87.5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 862 MHz	-54 dBm	100 kHz
862 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12.75 GHz	-30 dBm	1 MHz

Test Equipment Used:6,9,10,11



SA TOF         Ilsk Max           Frequency SWE2p         PASS         M1[1]         -68.54 dBr           James 2002/28TR         PASS         M1[1]         -68.54 dBr           30 dBm         M2[1]         -90.00 dBr         480.0160 MH           Sp dBm         M2         M2         -90.00 dBr           1         M2         M2         -90.00 dBr         -90.00 dBr           100 dBm         M2         40.00 fbr         -90.00 Hz         -90.00 Hz         -90.00 Hz           30.001 pts         97.00 Hz/         1.00 GH         -90.00 Hz         -90.	MultiView 🕀	Spectrum	n ]								$\nabla$
PA TDF         I 19/2 Max           Frequency Sweep         M111         -68.54 dBr           10 dBm         94.55 <th>Ref Level -20.00</th> <th>, D dBm</th> <th>_</th> <th>RBW 100 kHz</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Ref Level -20.00	, D dBm	_	RBW 100 kHz							
Frequency Sweep         Item Check         M1[1]         -6e.54 der 30.4690 MH           10 dem         M1[1]         -6e.54 der 30.4690 MH         -8e.54 der 30.4690 MH           20 dem         M2[1]         -80.00 der 480.0160 MH           50 dem         M2[1]         -80.00 der 480.0160 MH           60 dem         M2[1]         -80.00 der 480.0160 MH           10 dem         M2[1]         -80.00 der 480.0160 MH           100 dem         M2[1]         -80.00 der 480.0160 MH           100 dem         M2[1]         -80.00 der 480.0160 MH           100 dem         M2[1]         -80.00 Hz           100 dem         -80.00 1pts         97.0 MHz/           100 dem         -80.00 1pts         97.0 MHz/		20 dB SWT	30.1 ms	VBW 100 kHz	Mode Aut	o Sweep					
Line 300328TR         PASS         M1[1]         -68.54 dBr           30.d80         M2[1]         -80.00 dBr         -80.00 dBr           50.d8n         M2[1]         -80.00 dBr         -80.00 dBr           50.d8n         M2[1]         -80.00 dBr         -80.00 dBr           60.d8n         M2[1]         -80.00 dBr         -80.00 dBr           1         -80.00 dBr         -80.00 dBr         -80.00 dBr           10.00 dBr         -80.00 lbr         -80.00 lbr         -80.00 lbr		еер									●1Pk Max
30 dbm 30 dbm 40 dbm 40 dbm 50 dbm 50 dbm 50 dbm 10 db	Limit Check									M1[1]	-68.54 dBn
00 dBm       480,0160 MH         51 dBm       1         60 dBm       1         11       1         70 dBm       1         100 dBm       1         101 dBm       1         100 dBm       1         110 dBm       30001 pts       97.0 MHz/         Measuring       100 dBm	Line 30032	8TR			PASS						30.4690 MH
Bigger R     Image: Source of the second secon	-30 dBm									M2[1]	-80.00 dBr
40 dBm       1 <td></td> <td>480.0160 MH</td>											480.0160 MH
50 dbm	00328TR										
60 dBm	-40 dBm										
60 dBm											
1     M2     M2 <t< td=""><td>-50 dBm</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	-50 dBm										
1     M2     M2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
1     M2     M2 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
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90 dBm <sup>-</sup> 100 dBm <sup>-</sup> 110 dBm <sup>-</sup> 100 dBm <sup>-</sup> 110 dBm <sup>-</sup> 100 dBm	-8 <mark>7</mark> dBm			1	الخرالية المتحاوية والمرج	La Land Hall Store	and a later of the second second	In the second se	a and a second secon	Property and an other statements	
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100 dBm	-90 dBm	and the second se									
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110 dBm     30001 pts     97.0 MHz/     1.0 GH       30.0 MHz     30001 pts     97.0 MHz/     1.0 GH											
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adiated Emissions 30-1000MHz 2402MHz VP		Л							Measuring		11:50:13
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Radiated Emissions, 30 -1000MHz, 2402MHz, HP



MultiView 🗄 Spectrur	n						$\nabla$
RefLevel -20.00 dBm Att 20 dB SW	RBW 100 k T 30.1 ms VBW 100 k		Sween				
PA TDF	1 50.1 ms VBW 100 K	Inz Mode Auto a	жеер				
1 Frequency Sweep Limit Check		PASS				M1[1]	1Pk Max -68.54 dBm
Line 300328TR		PASS					30.4690 MHz
-30 dBm						M2[1]	<u>-61.28 dBm</u> 479.7580 MHz
300328TR			1				47517500 14112
-4D dBm							
-5D dBm							
			M2				
-60 dBm							
M1 -70 dBm							
10 dbm	an I					م المراجع الم	Lingersteinen auf die Bertreiten
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-90 dBm							
-100 dBm							
-110 dBm							
30.0 MHz		30001 pts		97.0 MHz/			1.0 GHz
					Measuring		20.08.2018 11:52:25
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		24801VI HZ, 1	/P				\
MultiView B Spectrur Ref Level -20.00 dBm			/P				<ul><li>▼</li></ul>
MultiView B Spectrur Ref Level -20.00 dBm	n	Hz					▽
MultiView # Spectrum Ref Level -20.00 dBm Att 20 dB SW PA TDF 1 Frequency Sweep	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S					• 1Pk Max
MultiView Spectrur Ref Level -20.00 dBm Att 20 dB SW	n 🖉 🖷 RBW 100 k	Hz				M1[1]	
MultiView # Spectrur Ref Level -20.00 dBm Att 20 dB SW PA TDF 1 Frequency Sweep Limit Chetk	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView = Spectrun Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit Check Line 300328TR -30 dBm	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView II Spectrur Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit Check Line 300328TR	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView = Spectrum Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit Check Line 300328TR -30 dBm 300328TR	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView = Spectrum Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit Check Line 300328TR -30 dBm 300328TR	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView = Spectrur Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit CheFk Line 300328TR -30 dBm -50 dBm	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView = Spectrun Ref Level -20.00 dBm Att 20 dB SW PA TDF I Frequency Sweep Limit Check Line 300328TR -30 dBm -30 dBm	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW'           PA TDF         IFrequency Sweep           Limit CheFk         Line 300328TR           -30 dBm         -300328TR           -60 dBm         -60 dBm	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW'           PA TDF         Irrequency Sweep         Limit Check           Limit Check         Line 300328TR         -30 dBm           -30 dBm         -60 dBm         -60 dBm	n 🖉 🖷 RBW 100 k	Hz Hz <b>Mode</b> Auto S PASS				M1[1]	● 1Pk Max -69.65 dBm
MultiView         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW'           PA TDF         Ifrequency Sweep         Limit Che;k           Lime 300328TR         -30 dBm           -30 dBm         -30 dBm           -55 dBm         -60 dBm           -60 dBm         -70 dBm	n RBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep			M1[1]	● 1Pk Max -69.65 dBm
MultiView         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW'           PA TDF         Irrequency Sweep         Limit Check           Limit Check         Line 300328TR         -30 dBm           -30 dBm         -60 dBm         -60 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS			a ang ding kung kata ata punda		● 1Pk Max -69.65 dBm
MultiView         Spectrum           Ref Level         -20.00 dBm           Att         20 dB         SW           PA TDF         Trequency Sweep           Limit Che;k         Line 300328TR           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -30 dBm         -60 dBm           -60 dBm         -60 dBm           -70 dBm         -80 dBm	n RBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep		a dan die Kund pote aberreks		● 1Pk Max -69.65 dBm
MultiView         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW'           PA TDF         Ifrequency Sweep         Limit Che;k           Lime 300328TR         -30 dBm           -30 dBm         -30 dBm           -55 dBm         -60 dBm           -60 dBm         -70 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep				● 1Pk Max -69.65 dBm
Multiview         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW           PA TDF         IFrequency Sweep           Limit Check         Line 300328TR           -30 dBm         -300328TR           -40 dBm         -40 dBm           -50 dBm         -60 dBm           -70 dBm         -90 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep		e dare ile Itual patra ataquela	M1[1]	● 1Pk Max -69.65 dBm
MultiView         Spectrum           Ref Level         -20.00 dBm           Att         20 dB         SW           PA TDF         Trequency Sweep           Limit Che;k         Line 300328TR           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -30 dBm         -60 dBm           -60 dBm         -60 dBm           -70 dBm         -80 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep		e de public de la consectar de	M1[1]	● 1Pk Max -69.65 dBm
Multiview         Spectrur           Ref Level         -20.00 dBm           Att         20 dB         SW           PA TDF         IFrequency Sweep           Limit Check         Line 300328TR           -30 dBm         -300328TR           -40 dBm         -40 dBm           -50 dBm         -60 dBm           -70 dBm         -90 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep			M1[1]	● 1Pk Max -69.65 dBm
Multiview         Spectrum           Ref Level -20.00 dBm         Att         20 dB SW           PA TDF         Ifrequency Sweep         Limit Check           Limit Check         Line 300328TR         -30 dBm           -30 dBm         -30 dBm         -30 dBm           -30 dBm         -60 dBm         -60 dBm           -60 dBm         -60 dBm         -90 dBm           -100 dBm         -100 dBm         -100 dBm	n (BW) 100 k 7 30.1 ms VBW 100 k	Hz Hz Mode Auto S PASS PASS	Sweep				● 1Pk Max -69.65 dBm
Multiview         Spectrum           Ref Level -20.00 dBm         Att 20 dB SW'           PA TDF         I Frequency Sweep           Limit Check         Line 300328TR           -30 dBm         -300328TR           -40 dBm         -60 dBm           -50 dBm         -60 dBm           -70 dBm         -90 dBm           -100 dBm         -100 dBm	n T 30.1 ms RBW 100 k VBW 100 k 	Hz Mode Auto S PASS PASS	Sweep				• 1Pk Max -69.65 dBm 30.4690 MHz
MultiView         Spectrum           Ref Level -20.00 dBm Att         20 dB SW           PA TDF         IFrequency Sweep Limit Check Line 300328TR           -30 dBm         300328TR           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -70 dBm         -60 dBm           -80 dBm         -90 dBm           -100 dBm         -100 dBm	n T 30.1 ms RBW 100 k VBW 100 k 	Hz Hz Mode Auto S PASS PASS	Sweep	97.0 MHz/	death that the second		● 1Pk Max -69.65 dBm

Radiated Emissions, 30 -1000MHz, 2480MHz, HP



MultiView	🗄 Spectrum								▽
RefLevel 10 Att			W 1 MHz W 1 MHz Mode	Sweep					
TDF									
1 Frequency S Limit Che			DA	SS				M1[1]	1Pk Max
Line 3003				SS				M1[1]	-52.36 dBm
								· · · · · · · · · · · · · · · · · · ·	2.3680160 GHz
0 dBm									
-10 dBm									
-20 dBm			-						
20. d0m									
300328TR									
-40 dBm									
-50 dBm									M1
ula distance -			a hara a she a bara a	المراجع المراجع المراجع المراجع المراجع المراجع	والمرابع والمعط المربق والمردان والروال	the physical devices and the	and the state of the state of the	والمحمد والمؤال فريري والاستعاد والانتقا	مراجعة بريانية من وجود والاستارية أسالي م مراجع المراجع المراجع من الاستارية أسالي من
-60 dBm	Additional States of States and	al manufacture of the		former, when have near the stipping large	and a second distance of a second	and the party of t		The second se	
50 a.s.n.	and the second se								
-70 dBm									
-80 dBm									
1.0 GHz			30001 pt	s	13	9.0 MHz/			2.39 GHz
	T						Measuring		20.08.2018 16:09:06
Padiatod P	missions	1 _ 2 300	GHz, 2402M						10105100
Naulateu I	_11113310113				(econ)				
<u></u>	$\sim$		5112, 240210	112, VF (FF	( scan)				
MultiView			5112, 240210	11 <b>2</b> , VF (FF	( scan)				▽
MultiView	Spectrum			112, VF (FF	( scan)				
Ref Level 10	.00 dBm	- RB	W 1 MHz W 1 MHz Mode		( scan)				
MultiView Ref Level 10 Att TDF	.00 dBm 15 dB SWT	- RB	W 1 MHz		( scan)				
MultiView Ref Level 10 Att TDF 1 Frequency S	Spectrum .00 dBm 15 dB SWT	- RB	W 1 MHz W 1 MHz Mode	Sweep	( scan)			MILII	●1Pk Max
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)			M1[1]	●1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep	( scan)				●1Pk Max
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				●1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 • Att TDF 1 Frequency S Limit Che Line 3003 0 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				●1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 • Att TDF 1 Frequency S Limit Che Line 3003 0 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				●1Pk Max -45.14 dBm
MultiView Ref Level 10 • Att TDF 1 Frequency S Limit Che Line 3003 0 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				●1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF IFrequency S Limit Che Line 3003 0 dBm-	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF TFrequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 • Att TDF 1 Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che Line 3002 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				● 1Pk Max -45.14 dBm 2,3896530 GHz
MultiView Ref Level 10 • Att TDF 1 Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS	( scan)				• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS	( scan)				● 1Pk Max -45.14 dBm 2,3896530 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS					• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS			d Marcine protect attenue de tet		• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS			A Mandar patricip at Angra da pat		• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS					• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS			d Marchen attend attende attende		• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS	K scan)		d Marine yeti yeri attişteri biştet		• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS					• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           • Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm           -50 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS					• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm           -50 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS					• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView           Ref Level 10           Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300328TR           -40 dBm           -50 dBm           -70 dBm           -80 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS		9.0 MHz /			• 1Pk Max -45.14 dBm 2.3896530 GHz
MultiView Ref Level 10 Att TDF IFrequency S Limit Che Line 3003 O dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -50 dBm -70 dBm -70 dBm	Spectrum .00 dBm 15 dB SWT weep	- RB	W 1 MHz W 1 MHz Mode	Sweep SS SS		9.0 MHz/	Allower allowed and a second sec		• 1Pk Max -45.14 dBm 2.3896530 GHz

Radiated Emissions, 1 – 2.39GHz, 2402MHz, HP (PK scan)



MultiView	Spectrum	1							$\bigtriangledown$
RefLevel 10 Att	.00 dBm		1 MHz 1 MHz Mode	Sweep					
TDF									
1 Frequency S Limit Che	weep		PA	SS				M1[1]	<ul> <li>1Pk Max</li> <li>-52.42 dBm</li> </ul>
Line 300	28TR			SS					-32,42 dBm
0 dBm		· · · · · · · · · · · · · · · · · · ·						M2[1]_	
o ubm							M2		.4799840 GHz
							l l		
-10 dBm									
-20 dBm									
20 0011									
300328TR									
-40 dBm						. L			· · · · · · · · · · · · · · · · · · ·
-40 0811									
-50 dBm						M1		And the second second second second	al la supra la baba a de la dela
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-60 dBm	الما بالمعر المعرومة والملاحظة	a danka ta dan dari dalah karak		and the second se					
-60 UBM	The second s								
-70 dBm									
-80 dBm									
1.0 GHz			20001 pt		20	0.0 MHz/			2.0.047
1.0 GHZ	10		30001 pt	s	20	0.0 MHZ/			3.0 GHz
L							Measuring		16:07:30
Radiated I	Emissions	1 – 3GHz.	2480MH7	VD (DK c	· - · · · ·				
				, (	can)				
			, 24001112	, VF (FR 30	can)				
MultiView	Spectrum			, VF (FR 30	can)				
MultiView Ref Level 10	.00 dBm	● RBW	/ 1 MHz		can)				▼
MultiView Ref Level 10 Att	.00 dBm 15 dB SWT	● RBW			can)				▽
MultiView Ref Level 10 Att	.00 dBm 15 dB SWT	● RBW	1 MHz 1 MHz Mode	Sweep	can)				▼ ●1Pk Max
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	M1[1]	
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep	can)		M2	2	● 1Pk Max -53.26 dBm 2.3508510 GHz
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	can)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)			2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		MP	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2 M2[1]	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS	:an)		M2	2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm
MultiView           Ref Level 10           • Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		Miles and a strength of the st		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS				2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1 		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1 		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		Mi 		2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView Ref Level 10 Att TDF IFrequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -300328TR -40 dBm -50 dBm -50 dBm -50 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS				2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView           Ref Level 10           • Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS				2	● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Linit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm           -50 dBm           -70 dBm           -70 dBm           -80 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz 1 MHz Mode PA PA	Sweep SS SS				2	• 1Pk Max -53.26 dBm 2.3508510 GHz 5.58-dBm 2.4799840 GHz
MultiView           Ref Level 10           • Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep	● RBW	/ 1 MHz / 1 MHz Mode	Sweep SS SS		M1 			● 1Pk Max -53.26 dBm 2.3508510 GHz -5.58 dBm 2.4799840 GHz

Radiated Emissions, 1 - 3GHz, 2480MHz, HP (PK scan)



MultiView 😁	Spectrum								$\nabla$
Ref Level 10.00 Att			VIMHz VIMHz Mode	Sweep					
TDF									
1 Frequency Swo Limit Check			D.A	SS				M1511	• 1Pk Max
Line 30032	8TR			SS				M1[1]	-49.37 dBm
	ont							2	.9776790 GHz
0 dBm									
-10 dBm									
			0						
-20 dBm			-						
20. d0m									
300328TR									
-40 dBm									
									M1
-50 dBm		warmit so that so	-	an attitut alexe sata	and a hite to make the second	والمتعادة المتعقبة والمتعصية	In the survey of the local party	in the second	ung signaling of shirth house in some of some
and the state of the	ادى يا يانى الار خەرك بەزىغان الار يىلام مەسىر مەسىر بىلىدى بىرىمىرىدى بەر بىرى بىر	lan fugu gana ay ang		a second first the second s	and the second se	A Read and a grapping the second set from second		alan an a	and the second secon
-60 dBm									
SU UDIT									
-70 dBm									
-80 dBm									
2.4835 GHz			30001 pt	s	51	.65 MHz/			3.0 GHz
	Π							of the second second second	20.08.2018
							Measuring		16:10:38
Padiatod En	niecione	2 / 8 2 5 -	3647 240		(DK scan)		Measuring		16:10:38
Radiated En		2.4835 -	3GHz, 240	2MHz, VP	(PK scan)		Measuring		16:10:38
Radiated En		2.4835 -	3GHz, 240	2MHz, VP	(PK scan)		Measuring		16:10:38
MultiView 88	Spectrum			2MHz, VP	(PK scan)		Measuring		16:10:38
Ref Level 10.00	Spectrum	= RB¥	<b>3GHz, 240</b> <b>v</b> 1 MHz <b>v</b> 1 MHz <b>Mode</b>		(PK scan)		Measuring		16:10:38
MultiView :: Ref Level 10.00 Att TDF	Spectrum OdBm 15 dB SWT	= RB¥	V 1 MHz		(PK scan)		Measuring		▼ 16:10:38
MultiView Ref Level 10.00 Att TDF 1 Frequency Swe	Spectrum OdBm 15dB SWT eep	= RB¥	VIMHz VIMHz Mode	Sweep	(PK scan)		Measuring		• 16:10:38
MultiView Ref Level 10.00 Att TDF I Frequency Swe Limit Check	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView # Ref Level 10.00 • Att TDF 1 Frequency Swu Limit Check Line 300321	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep	(PK scan)		Measuring	M1[1]	• 16:10:38
MultiView Ref Level 10.00 Att TDF I Frequency Swe Limit Check	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView # Ref Level 10.00 • Att TDF 1 Frequency Swu Limit Check Line 300321	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView = Ref Level 10.00 Att TDF 1 Frequency Swe Limit Check Line 300321 0 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView # Ref Level 10.00 • Att TDF 1 Frequency Swu Limit Check Line 300321	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView = Ref Level 10.00 Att TDF 1 Frequency Swe Limit Check Line 300321 0 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView = Ref Level 10.00 Att TDF 1 Frequency Swe Limit Check Line 300321 0 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView = Ref Level 10.00 Att TDF I Frequency Sw Limit Check Line 30032: 0 dBm -10 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView :: Ref Level 10.00 Att TDF I Frequency Swu Limit Check Line 30032: 0 dBm -10 dBm -20 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView = Ref Level 10.00 Att TDF I Frequency Sw Limit Check Line 30032: 0 dBm -10 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView :: Ref Level 10.00 Att TDF I Frequency Swu Limit Check Line 30032: 0 dBm -10 dBm -20 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView :: Ref Level 10.00 Att TDF 1 Frequency Swe Limit Check Line 300322 0 dBm -10 dBm -20 dBm 300328TR	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView :: Ref Level 10.00 Att TDF I Frequency Swu Limit Check Line 30032: 0 dBm -10 dBm -20 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	■ 1Pk Max -49.37 dBm
MultiView :: Ref Level 10.00 Att TDF 1 Frequency Swe Limit Check Line 300322 0 dBm -10 dBm -20 dBm 300328TR	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	= RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	(PK scan)		Measuring	M1[1]	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Cheik           Line 30032:           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1[1] 2	● 1Pk Max -49.37 dBm 2.9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Cheik           Line 30032:           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum <sup>0 dBm</sup> 15 dB SWT eep	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Check           Line 300321           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Cheik           Line 30032:           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Check           Line 300321           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView ::           Ref Level 10.00           Att           TDF           I Frequency Sw           Limit Check           Line 300321           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF I Frequency Swi Linit Check Line 30032: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -60 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF I Frequency Swi Linit Check Line 30032: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -60 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF I Frequency Swi Linit Check Line 30032: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -60 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF 1 Frequency Sw Limit Check Line 300322 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF 1 Frequency Sw Limit Check Line 300322 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	• 1Pk Max -49.37 dBm 2,9866140 GHz
MultiView :: Ref Level 10.00 Att TDF 1 Frequency Sw Limit Check Line 300322 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm -50 dBm -50 dBm -70 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	V 1 MHz Mode	Sweep SS SS				M1[1] 2	<ul> <li>16:10:38</li> <li>16:10:38</li> <li>19k Max</li> <li>-49.37 dBm</li> <li>:9866140 GHz</li> <li>:9866140 GHz</li> <li>M1</li> <li>add horse bith order</li> <li>M1</li> <li>add horse bith order</li> <li>3.0 GHz</li> </ul>
MultiView ::           Ref Level 10.00           Att TDF           IFrequency Sw Limit Check Line 300321           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300328TR           -40 dBm           -50 dBm           -70 dBm           -80 dBm	Spectrum O dBm 15 dB SWT eep 8TR	30.1 ms VBW	Y 1 MHz Mode	Sweep SS SS					• 1Pk Max -49.37 dBm 2.9866140 GHz

Radiated Emissions, 2.4835 - 3GHz, 2402MHz, HP (PK scan)



MultiView	Spectrum								$\nabla$
RefLevel -2 Att	0.00 dBm 10 dB <b>SWT</b> 3		1 MHz 1 MHz Mode	: Sweep					
TDF	waan								1 Dk Mox
1 Frequency S Limit Che			PA	SS				M1[1]	<ul> <li>1Pk Max</li> <li>-38.52 dBm</li> </ul>
Line 300			PA						10.880500 GHz
300328TR								M1	
-40 dBm						1.00		-	
				dilamite and alter to a surrelation	and the second		and the second	ang din kangan Still <sup>din Kalinda</sup> Tinan kang dapat	a da ana ang kana da ang k
-50 dBm	and the start for a start of the start of the	فليسخب والافتقاد ويسبب والمسالي	And I have been a second secon						
	a state of the sta								
-60 dBm									
-70 dBm									
10 dbiii									
-80 dBm									
-00 dBm									
-90 dBm									
-100 dBm									
-110 dBm									
2.0.011-			20001		07				10.75.011-
3.0 GHz	Y		30001 pt	.5	97	5.0 MHz/			12.75 GHz
Radiated F	 Emissions, 3	8 - 12.750	Hz. 2402	MHz. HP (F	PK)		Measuring		17:04:46
MultiView			,		.,				▽
Ref Level -2 Att			1 MHz 1 MHz <b>Mode</b>	: Sweep					
TDF									●1Pk Max
1 Frequency S Limit Che			PA	SS					UPK Max
Line 3003	328TR		PA	SS				M1[1]	-39.81 dBm
300328TR								M1[1]	-39.81 dBm 11.299740 GHz
								M1[1]	
-40 dBm								M1	11.299740 GHz
-40 dBm						led at the work of a school	, an y database to day start data st	M1	
				a general platform in the second s	and the second	Linds of second se	e one gel de la compañía de constante y de la citad La conseguir de la constante de	M1	11.299740 GHz
-50 dBm	A state of the sta	A with project to be a first state of the second	ing the set of the set of the set	المراجع في المراجع الم مراجع المراجع ال			, a., distanti kensista si kasi gang antara kasi kensista si kang	M1	11.299740 GHz
-50 dBm	e forste over a final set over fil believe and filme	t v da <sub>tel</sub> t stat i del se registrario a Magneti del 1 <sup>66</sup> Konstanti del 1	ing and	a second a first the second			en se	M1	11.299740 GHz
-50 dBm	e fonte en president de la companya	a al <sub>Na</sub> ta da la de angle angle In al <sub>Na</sub> ta da la de angle angle angle In al <sub>Nat</sub> a da la de angle a		المروم			ena el ladoren (dessara) el latera) ena el ladoren (dessara) el latera)	M1	11.299740 GHz
-50 dBm		a sa d <sub>a papa</sub> na sa ka ka sa sa palaman	inge til sol og et gelikler Neters generation	a an			, es , d'hele og konsteler pils til st ga ga som en i el by ga om el bioge	M1	11.299740 GHz
-50 dBm			bu otrad networkillon websiege	المرون المرون وي المالية المرون و المرون وي مرون منه المرون و			ens et hele an television et hele et	M1	11.299740 GHz
-50 dBm			ing a the set of the section of the				, and a first of the second	M1	11.299740 GHz
-50 dBm				a ya a fa facha ha a gand			e oo galada ah ta'a shara da ah ay ah ah ta'a shara da ah	M1	11.299740 GHz
-50 dBm								M1	11.299740 GHz
-50 dBm							e oo galada ay ta'a shara ya ta'u ta'u ta'u ta'u ta'u ta'u ta'u ta'	M1	11.299740 GHz
-50 dBm								M1	11.299740 GHz
-50 dBm -60 dBm -70 dBm -80 dBm -90 dBm								M1	11.299740 GHz
-50 dBm			30001 pt	S				M1	11.299740 GHz

Radiated Emissions, 3 – 12.75GHz, 2402MHz, VP (PK)



MultiView	Spectrum								▽
RefLevel -20 Att		• RBW 30.1 ms VBW	V/1MHz V/1MHz Mode	Sweep					
TDF	woop								1 Dk Max
1 Frequency S Limit Che Line 3003	ck			SS SS				M1[1]	● 1Pk Max -39.28 dBm 11.280890 GHz
300328TR									
-40 dBm							n male cas contrasticontra	M1	ale ale bell title de la tetra de la conte
			and the second		Alah Jawa Balanta Kanatana da	And the second s	hard an and the second stands and an and a	and a share and a share to share the state of the state o	a nang panganakan kang dikang bang pangang pang
-50 dBm-	والالألم ومناوي ومعاويا والمراهدا	and alternative statistics and	and the state of t	And the second	Contraction of the second s	. dot.			
edint Redentin During	naders the space and a state of the	a condition production for the standard							
-60 dBm									
-70 dBm					ана (р. 1997) 1977 — Полона (р. 1977) 1977 — Полона (р. 1977)				
-80 dBm									
-90 dBm									
-100 dBm									
-110 dBm									
								· · · · · · · · · · · · · · · · · · ·	
3.0 GHz			30001 pt	s	97	5.0 MHz/			12.75 GHz
	П							A REAL PROPERTY.	20.08.2018
<u></u>							Measuring		17:07:36
Radiated E	$\sim$	3 – 12.750	GHz, 24801	MHz, HP (F	YK)		Measuring		▼ 17:07:36
MultiView Ref Level -20 Att	D.00 dBm		V 1 MHz		ΥК)		Measuring		17:07:36
MultiView Ref Level -20 Att TDF 1 Frequency S	Spectrum D.00 dBm 10 dB SWT weep	■ RB¥	V 1 MHz V 1 MHz Mode	Sweep	РК)		Measuring		17:07:36
MultiView 3 Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum D.00 dBm 10 dB SWT weep	■ RB¥	V 1 MHz V 1 MHz Mode		ν <b>К)</b>		Measuring	M1[1]	v 17:07:36
MultiView C Ref Level -20 Att TDF Frequency S Limit Che	Spectrum D.00 dBm 10 dB SWT weep	■ RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	ч <b>К)</b>			M1[1]	17:07:36 ▼ ● 1Pk Max -39.59 dBm
MultiView 3 Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum D.00 dBm 10 dB SWT weep	■ RB¥	V 1 MHz V 1 MHz Mode	Sweep SS				M1[1]	17:07:36 ▼ ● 1Pk Max -39.59 dBm
MultiView 8 Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003 300328TR	Spectrum D.00 dBm 10 dB SWT weep	■ RB¥	V 1 MHz V 1 MHz Mode	Sweep SS	the second state		Measuring	M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm-	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS				M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm-	Spectrum D.00 dBm 10 dB SWT weep	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second state			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm-	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second state			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 6 Ref Level -20 Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm- -50 dBm-	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003 300328TR -40 dBm -50 dBm -60 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF IFrequency S Limit Che Line 3003 00-367 -40 dBm -50 dBm -50 dBm -70 dBm -80 dBm -80 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView         Sef Level -20           Ref Level -20         Att           TDF         Intequency S           Limit Che         Limit Che           Limit Che         Soo328TR           -40 dBm         -60 dBm           -70 dBm         -80 dBm           -90 dBm         -90 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView 8 Ref Level -20 Att TDF IFrequency S Limit Che Line 3003 00-367 -40 dBm -50 dBm -50 dBm -70 dBm -80 dBm -80 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView         Sef Level -20           Ref Level -20         Att           TDF         Intequency S           Limit Che         Limit Che           Limit Che         Soo328TR           -40 dBm         -60 dBm           -70 dBm         -80 dBm           -90 dBm         -90 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS	the second states and second			M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz
MultiView         B           Ref Level -20         Att           TDF         Ifrequency S           Limit Che         Limit Che           Line 3003         300328TR           -40 dBm         -60 dBm           -50 dBm         -60 dBm           -70 dBm         -70 dBm           -90 dBm         -100 dBm	Spectrum 10 dB SWT weep 28 28 10 dB SWT	30.1 ms VBW	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1[1]	17:07:36 ▼ • 1Pk Max -39,59 dBm 11.369610 GHz

Radiated Emissions, 3 – 12.75GHz, 2480MHz, VP (PK)



### 4.10 Transmitter spurious emissions - Radiated (Operating) – Mode5

#### ETSI EN 300 328 subclause 4.3.2.9

Frequency (MHz)	Detector	Polarization	Spurious Emission Level (dBm)
30 – 1000 (all others)	PK	VP/HP	< -60
1000 – 12750 (all others)	PK	VP/HP	< -36
Measurement uncertainty			≤ 2GHz - ± 1.1 dB 2GHz - 18 GHz - ± 2.0 dB

Mode 5: NRF1Mps. Regulator DC

Limits: Clause 4.3.2.9.3

Frequency Range	Maximum power e.r.p. (≤ 1 GHz) e.i.r.p (> 1 GHz)	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87.5 MHz	-36 dBm	100 kHz
87.5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 862 MHz	-54 dBm	100 kHz
862 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12.75 GHz	-30 dBm	1 MHz

Test Equipment Used:6,9,10,11



MultiView 🕀 Spe	ctrum					$\bigtriangledown$
Ref Level -10.00 dBm Att 10 dE		W 1 MHz W 1 MHz Mode Sweep				· · · ·
TDF 1 Frequency Sweep	/ 011 001110 11	TTIME MAR STOP				●1Pk Max
Limit Check Line 300328TR		PASS PASS			M1[1]	-59.59 dBm 30.0810 MHz
-20 dBm						
-30 dBm						
300328TR -40 dBm						
-SD dBm						
M1 -60 dBm						
			and an available and a second as the line of	المراجع والمحافظ والمحافظ والمحافظ والمحافظ	and lough the second	ele tradent Differente en el
	and the short of the state of the state					
-80 dBm						
-90 dBm						
-100 dBm						
30.0 MHz		30001 pts	97.0 MHz/			1.0 GHz
		50001 pta		Measuring		22.08.2018
Radiated Emiss	ions, 30 -1000	MHz, 2402MHz, VP				16:37:32
MultiView 🕀 Spe	ectrum					■ 16:37:32
MultiView B Spe Ref Level -10.00 dBm	ectrum	MHz, 2402MHz, VP				
MultiView :: Spe Ref Level -10.00 dBm Att 10 dE TDF 1 Frequency Sweep	ectrum	W 1 MHz W 1 MHz Mode Sweep				⊽ • 1Pk Max
MultiView :: Spe Ref Level -10.00 dBm e Att 10 dE TDF	ectrum	W 1 MHz			M1[1]	▼ ● 1Pk Max -59,87 dBm
MultiView B Spe Ref Level -10.00 dBm Att 10 dE TDF 1 Frequency Sweep Limit Check Line 3003 28TR -20 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				⊽ ● 1Pk Max
MultiView B Spe Ref Level -10.00 dBm Att 10 dE TDF 1.Frequency Sweep Limit Check Line 300328TR -20 dBm -30 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				▼ ● 1Pk Max -59,87 dBm
MultiView B Spe Ref Level -10.00 dBm Att 10 dE TDF 1 Frequency Sweep Limit Check Line 300328TR -20 dBm -30 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				▼ ● 1Pk Max -59,87 dBm
MultiView B Spe Ref Level -10.00 dBm Att 10 dE TDF 1 Frequency Sweep Limit Check Line 300\$28TR -20 dBm -30 dBm -30 dBm -50 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				▼ ● 1Pk Max -59,87 dBm
MultiView         Spe           Ref Level         -10.00 dBm           Att         10 dE           TDF         10 dE           Limit Check         Line 300328TR           -20 dBm         -30 dBm           -30 dBm         -50 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				▼ ● 1Pk Max -59,87 dBm
MultiView :: Spe Ref Level -10.00 dBm Att 10 dE TDF I Frequency Sweep Limit Chekk Line 300328TR -20 dBm -30 dBm -50 dBm M1	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				
MultiView : Spe Ref Level -10.00 dBm Att 10 dE TDF I Frequency Sweep Limit Che‡k Line 300328TR -20 dBm -30 dBm -30 dBm -50 dBm M1 -60 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				
MultiView         Spe           Ref Level - 10.00 dBm         -10 dBm           1 Frequency Sweep         Limit Check           Limit Check         Line 300328TR           -20 dBm         -30 dBm           -30 dBm         -30 dBm           -30 dBm         -30 dBm           -70 dBm         -70 dBm	ectrum	W 1 MHz W 1 MHz Mode Sweep PASS				

Radiated Emissions, 30 -1000MHz, 2402MHz, HP

30001 pts

97.0 MHz/

Measuring...

30.0 MHz

1.0 GHz 22.08.2018 16:36:08

IJØ.



MultiView 🕀 Spectrum						▽
RefLevel -10.00 dBm Att 10 dB SWT TDF	RBW 1 MHz I 30.1 ms VBW 1 MHz Mode	• Sweep				
1 Frequency Sweep						●1Pk Max
Limit Check Line 300328TR		SS SS			M1[1]	-59.54 dBm 31.6650 MHz
-20 dBm						
-30 dBm						
300328TR -4D dBm						
-50 dBm						
M1 -60 dBm						
-60 08m			Hitsen to the street live by the Laborer	Sector & Level & Works on We wanted	de a liter de la della de cardel	and have been a strengthere and the
-71 HBm		and the second	A LA LE CALL AND A LE CALL AND A REAL AND A R	n a denne gyn y gweren weren dy hyw ferne i bywr twar y efficien. Y		
-80 dBm						
-90 dBm						
-100 dBm						
30.0 MHz	30001 pt	LS	97.0 MHz/			1.0 GHz
	_0001 p		,	Measuring		22.08.2018 16:40:03

#### Radiated Emissions, 30 -1000MHz, 2480MHz, VP



Radiated Emissions, 30 -1000MHz, 2480MHz, HP



MultiView 🕀	Spectrum								▽
			₩ 1 MHz ₩ 1 MHz Mode	Sweep					
TDF									o t DL Mey
1 Frequency Swe Limit Check	eep		PA	SS				M1[1]	<ul> <li>1Pk Max</li> <li>-43.47 dBm</li> </ul>
Line 300328	BTR			SS					2.3976510 GHz
0 dBm									13970310 012
U UBIII									
-10 dBm									
-20 dBm									
-00. d0m									
300328TR									
-40 dBm									M1
co dour									
-50 dBm							and the second		
والمرابع ومعروله فالمعاطية والمرافقات			and a star and a second star live	a hang kegendi bidan dan	مقفلهم ومسيله وبأسها والبأسري	I day of the failed by the failed of	(CDD) (All all all a school all and a school	Applicate Distribution production and provide a distribution of the second second second second second second s	and start and a loss of property laws
-60 dBm	a by many colors of the description			, das aus ( built any das days of the production of the star ( built and the star) ( built a star)					
-70 dBm									
-80 dBm									
-60 ubm									
1.0 GHz			20001 pt		12	9.8 MHz/			2.398 GHz
	)r		30001 pt	.5	15				22.08.2018
	Л						Measuring		16:02:37
Radiated Em	nissions,	1 – 2.398	GHz, 2402I	MHz, VP (F	K scan)		Measuring		16:02:37
Radiated Em		1 – 2.398	GHz, 2402I	MHz, VP (P	'K scan)		Measuring		16:02:37
MultiView B	Spectrum			MHz, VP (P	'K scan)		Measuring		16:02:37
MultiView B Ref Level 10.00	Spectrum	= RB1	₩ 1 MHz		'K scan)		Measuring		16:02:37
MultiView # Ref Level 10.00 Att	Spectrum	= RB1			'K scan)		Measuring		16:02:37
MultiView # Ref Level 10.00 Att	Spectrum	= RB1	₩ 1 MHz № 1 MHz Mode	Sweep	'K scan)		Measuring		16:02:37
MultiView Ref Level 10.00 Att TDF I Frequency Swe Limit Check	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	▼ 16:02:37
MultiView # Ref Level 10.00 Att	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep	'K scan)		Measuring	M1[1]	■ 16:02:37
MultiView Ref Level 10.00 Att TDF I Frequency Swe Limit Check	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView 3 Ref Level 10.00 Att TDF 1 Frequency Swa Limit Check Line 300326	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300326 0 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView 3 Ref Level 10.00 Att TDF 1 Frequency Swa Limit Check Line 300326	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300326 0 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att :: TDF TFrequency Swe Limit Check Line 300328 0 dBm -10 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300326 0 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att :: TDF I Frequency Swe Limit Check Line 300328 0 dBm -10 dBm -20 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att :: TDF I Frequency Swe Limit Check Line 300328 0 dBm -10 dBm -20 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att :: TDF TFrequency Swe Limit Check Line 300328 0 dBm -10 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView 3 Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300328 0 dBm -10 dBm -20 dBm 300328TR	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView Ref Level 10.00 Att :: TDF I Frequency Swe Limit Check Line 300328 0 dBm -10 dBm -20 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm
MultiView 3 Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300328 0 dBm -10 dBm -20 dBm 300328TR	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView 3 Ref Level 10.00 Att TDF 1 Frequency Swe Limit Chelk Line 300328 0 dBm -10 dBm -20 dBm 300328TR	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	'K scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView ::           Ref Level 10.00           Att ::           TDF           I Frequency Swe           Limit Check           Line 300328           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm           -50 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	YK scan)		Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         Image: Constraint of the second seco	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         E           Ref Level 10.00         Att           TDF         TDF           1 Frequency Swe         Limit Chek           Line 300328         0 dBm           -10 dBm         -10 dBm           -20 dBm         -300328TR           -40 dBm         -50 dBm           -50 dBm         -60 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS			Measuring	M1[1]	■ 16:02:37 ▼ ■ 1Pk Max -44,45 dBm 2.2258940 GHz
MultiView         E           Ref Level 10.00         Att           TDF         TDF           1 Frequency Swe         Limit Chek           Line 300328         0 dBm           -10 dBm         -10 dBm           -20 dBm         -300328TR           -40 dBm         -50 dBm           -50 dBm         -60 dBm	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS	2 <b>K scan)</b>		Measuring	M1[1]	■ 1Pk Max -44.45 dBm 2.2258940 GHz
MultiView         E           Ref Level 10.00         Att           TDF         TDF           1 Frequency Swe         Limit Check           Line 3003226         0 dBm           -10 dBm         -           -20 dBm         -           300328TR         -           -40 dBm         -           -50 dBm         -           -70 dBm         -	Spectrum OdBm 15 dB SWT Eep	= RB1	N 1 MHz N 1 MHz Mode	Sweep SS SS		3.98 MHz/	Measuring	M1[1]	■ 1Pk Max -44.45 dBm 2.2258940 GHz

Radiated Emissions, 1 – 2.39GHz, 2402MHz, HP (PK scan)



MultiView	Spectrum								▼
RefLevel 10 Att			NY 1 MHz NY 1 MHz Mode	Sweep					
TDF	ween								• 1 Dk Max
1 Frequency S Limit Che			PA	SS				M1[1]	<ul> <li>1Pk Max</li> <li>-43.47 dBm</li> </ul>
Line 300	28TR		PA	SS					2.3976510 GHz
0 dBm								-	10070010 012
o ubm									
-10 dBm									
-20 dBm									
- 00 d0m									
300328TR									
-40 dBm									M1
-50 dBm							de la marcé de la certa de la destruction de la composition de la composition de la composition de la compositi		a about the second
ور والدر بموراط إوارام والعارية		and the sub-shutted as the	Rear And and day in case of the second	Laboration and the state of the	محجديهم وحسينا ويأبينها وللبالسوين	I de la constanti		an a	
-60 dBm-	الالاس المقارا المسار ويعدوا والاهتيا			de an Desta esta de jugado entre classificato (inte					
-70 dBm							·		
-80 dBm									
-60 UBM-									
1.0.045			20001 p		13	9.8 MHz/			2 208 CH-
1.0 GHz			30001 p	15	15		)		2.398 GHz
							Measuring		22.00.2010
(							, -		16:02:37
Radiated I	Emissions	. 1 – 2.398	GHz. 2480	MHz. VP (F	YK scan)		)		16:02:37
			GHz, 2480I	MHz, VP (F	YK scan)		)		
Radiated I			GHz, 2480I	MHz, VP (F	PK scan)		,		■ 16:02:37
MultiView Ref Level 10	.00 dBm	■ RBV	N 1 MHz		PK scan)				
Ref Level 10	.00 dBm	■ RBV			rK scan)		,		
MultiView Ref Level 10 Att TDF	OO dBm 15 dB SWT	■ RBV	N 1 MHz		PK scan)				<b>v</b>
Ref Level 10	Spectrum .00 dBm 15 dB SWT	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)				▼ ● 1Pk Max
MultiView Ref Level 10 Att TDF 1 Frequency S	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	YK scan)			M1[1]	<b>v</b>
MultiView Ref Level 10 Att TDF 1 Frequency S Limit Che	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	YK scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	YK scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	YK scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 3003 0 dBm -10 dBm-	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	▼ 1Pk Max -36.00 dBm
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	YK scan)			M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300: 0 dBm -10 dBm -20 dBm	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm-	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF I Frequency S Limit Che Line 300 0 dBm -10 dBm -20 dBm 300328TR	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 3003 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm-	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep	'K scan)			M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep		المرابع		M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 300: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -50 dBm -60 dBm -	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 300: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -50 dBm -60 dBm -	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           • Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -300 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView Ref Level 10 Att TDF Frequency S Limit Che Line 300: 0 dBm -10 dBm -20 dBm -20 dBm -20 dBm -50 dBm -50 dBm -50 dBm -60 dBm -	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           • Att           TDF           1 Frequency S           Limit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           -300 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz
MultiView           Ref Level 10           Att           TDF           I Frequency S           Linit Che           Line 3003           0 dBm           -10 dBm           -20 dBm           300328TR           -40 dBm           -50 dBm           -70 dBm           -80 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	V 1 MHz Mode	Auto Sweep				M1[1]	• 1Pk Max -36.00 dBm 2.3682440 GHz
MultiView           Ref Level 10           • Att TDF           1 Frequency S           Limit Che Line 3003           0 dBm           -10 dBm           -20 dBm           -20 dBm           -300 dBm           -40 dBm           -50 dBm           -60 dBm           -70 dBm	Spectrum .00 dBm 15 dB SWT weep k 228TR	■ RBV	N 1 MHz N 1 MHz Mode	Auto Sweep				M1[1]	● 1Pk Max -36.00 dBm 2,3682440 GHz

Radiated Emissions, 1 - 2.4GHz, 2480MHz, HP (PK scan)



MultiView 🕀 Spectru	im					$\bigtriangledown$
	RBW 1 MHz T 30.1 ms VBW 1 MHz Mode	s Sweep				
TDF 1 Frequency Sweep						●1Pk Max
Limit Check		ASS			M1[1]	-44.93 dBm
Line 300328TR	P	ASS				2.5138090 GHz
0 dBm						
-10 dBm						
-20 dBm						· · · · · · · · · · · · · · · · · · ·
300328TR						
-40 dBm						
T .						
-50 JBm-			and a star of the defense of	to all a mercural spectra and a differences	. In him, which we are the structure of the state	in the second
ineral marchine to the life life his second	and the state of the		Participant of the second state of the second			a se di la se anti basi la basa da basa da basa pita ta b
-60 dBm						
oo abiii						
-70 dBm						
-80 dBm						
2.4835 GHz	30001 p	ots	51.65 MHz/	)		3.0 GHz
				Measuring		16:00:10
Radiated Emission	is, 2.4835 - 3GHz, 24	02MHz, VP (PK so	can)			
MultiView 🖽 Spectru	Im					
MultiView B Spectru Ref Level 10.00 dBm	RBW 1 MHz					
RefLevel 10.00 dBm Att 15 dB SV		s Sweep				♥
RefLevel 10.00 dBm Att 15 dB SV	RBW 1 MHz	• Sweep				
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass			M1[1]	■ 1Pk Max -34,48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode					• 1Pk Max
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm 300328TRM1	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm 300328TRM1	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm 300328TRM1	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass		Every by the form of the both the state of the		• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm 300328TRM1	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass		for a start of the		• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm Att 15 dB SV TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass		Concepts of the second se		• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm         Att       15 dB         TDF         I Frequency Sweep         Limit Check         Line 300328TR         0 dBm         -10 dBm         -20 dBm         300328TRM1         -40 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -00328TRM1 -40 BBm -60 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm Att 15 dB SV TDF 1 Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -00328TRM1 -40 BBm -60 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm           Att         15 dB         SV           TDF         Imit Check         Limit Check         Limit Check           Limit Check         Limit Check         Limit Check         Limit Check           0 dBm         -10 dBm         -20 dBm         -300328TRM1         -40 gBm           -40 gBm         -70 dBm         -70 dBm         -70 dBm         -10 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode	Ass				• 1Pk Max -34.48 dBm 2.5141190 GHz
Ref Level 10.00 dBm           Att         15 dB         SV           TDF         If requency Sweep         Limit Chelk           Limit Chelk         Limit Chelk         Limit Chelk           0 dBm						1Pk Max -34,48 dBm 2,5141190 GHz
Ref Level 10.00 dBm           Att         15 dB         SV           TDF         Imit Check         Limit Check         Limit Check           Limit Check         Limit Check         Limit Check         Limit Check           0 dBm         -10 dBm         -20 dBm         -300328TRM1         -40 gBm           -40 gBm         -70 dBm         -70 dBm         -70 dBm         -10 dBm	RBW 1 MHz     T 30.1 ms     VBW 1 MHz     Mode		51.65 MHz/	Measuring		• 1Pk Max -34.48 dBm 2.5141190 GHz

Radiated Emissions, 2.4835 - 3GHz, 2402MHz, HP (PK scan)



MultiView 🕀 Spectrun	1						$\nabla$
	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Sweep					
TDF 1 Frequency Sweep							1 Dk Max
Limit Check		PASS				M1[1]	1Pk Max -44.12 dBm
Line 300328TR		PASS					2.5917120 GHz
0 dBm							
-10 dBm							
-20 dBm							
300328TR							
-40 dBm	MI						
	M1 Y						
+50 dBm	lander it laster at the little last sector is a final et last	and the second	المحم واستاخا الان إعاني وطبوه فسيرواز وان	متطليقا أعامتني ليمتثل المحادراتي	and and the strength operation in the barriers of the	(paul tree ( the state barres for	and the second sector products of the black
production of the state of the			and the second	والمعاد المتكدير فيريحه مستوكيتهم للمتوجع وفالل	la bengana terdari kapatan dan manana pananan periodak Balang	the second s	and the second
-60 dBm							
-70 dBm							
-80 dBm							
2.4845 GHz	300	001 pts	51.	.55 MHz/			3.0 GHz
r r					Measuring		22.08.2018
	0.4005 0.011-				l		16:13:21
<b>Radiated Emissions</b>	5, Z.4835 - 3GHZ,	24801VIHZ, VP	(PK Scan)				
	<u> </u>		(				
			()				▽
MultiView 🕀 Spectrun	ı 🗌	,	(				
MultiView Spectrun Ref Level 10.00 dBm Att 15 dB SWT			(,				
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF	RBW 1 MHz		()				
MultiView B Spectrun Ref Level 10.00 dBm • Att 15 dB SWT TDF 1 Frequency Sweep	RBW 1 MHz	Mode Auto Sweep	(			M1[1]	• 1Pk Max
MultiView B Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF 1 Frequency Sweep Limit Chetk	RBW 1 MHz					M1[1]	• 1Pk Max -35.53 dBm
MultiView III Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max
MultiView B Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF 1 Frequency Sweep Limit Chetk	RBW 1 MHz	Mode Auto Sweep	()				• 1Pk Max -35.53 dBm
MultiView III Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView III Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Check Line 3003/28TR 0 dBm -10 dBm -20 dBm 28 dbm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView =: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm	RBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Chebk Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -300328TR	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Check Line 3003/28TR 0 dBm -10 dBm -20 dBm 28 dbm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Che5k Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Che5k Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Che5k Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Che5k Line 300328TR 0 dBm -10 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -40 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -00 dBm -00 dBm -60 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView 3 Spectrum Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -60 dBm -70 dBm -70 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView :: Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF I Frequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -00 dBm -00 dBm -60 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView 3 Spectrum Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -60 dBm -70 dBm -70 dBm	RBW 1 MHz     30.1 ms     VBW 1 MHz	Mode Auto Sweep					• 1Pk Max -35.53 dBm
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF TFrequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -00 dBm	• RBW 1 MHz           '30.1 ms         VBW 1 MHz           M1	Mode Auto Sweep PASS PASS					1Pk Max -35.53 dBm 2.5919180 GHz
MultiView = Spectrun Ref Level 10.00 dBm Att 15 dB SWT TDF IFrequency Sweep Limit Check Line 300328TR 0 dBm -10 dBm -20 dBm -20 dBm -60 dBm -70 dBm -70 dBm	• RBW 1 MHz           '30.1 ms         VBW 1 MHz           M1	Mode Auto Sweep		55 MHz/	And Statistical Journal Web as uning		• 1Pk Max -35.53 dBm

Radiated Emissions, 2.4835 - 3GHz, 2480MHz, HP (PK scan)



MultiView	Spectrum								[ ▼ ]
Ref Level -1		• RBV 30.1 ms VBV	VIMHz VIMHz Mode	sweep					
TDF									1 Dk Mov
1 Frequency S Limit Che				SS				M1[1]	1Pk Max -39.64 dBm
Line 3003	328TR		PA	ss					1.195090 GHz
-20 dBm									
300328TR									
								M1	
-40 dBm									ante de des al stare estas, buy a sud
				1 Hartshilling	all sufficient and she have been stilled	det alt for the transferred		Julit from all the state of the state of the	Manufacture and a state of the
-50 dBm	antida la anagarita da a	والمعادية والمتعادية والمتعادية والمتعادية	NI SULLING STATES	and the second s		- Parts			
A STREET, STRE		and the property of the feature of the second se	na na lina di second						
-60 dBm									
-00 0811									
-70 dBm									
-80 dBm									
-90 dBm									
-100 dBm									
3.0 GHz			20001 pt		07	5.0 MHz/			10.75.045
3.0 GHZ	Y		30001 pt	.5	97	5.0 MHZ/	Measuring		12.75 GHz
		0 40 754					measuring		16:19:25
Radiated I	zmissions,								
	~		5112, 24021	VII 12, TIF (F	'N)				
MultiView	~		5112, 24021	vii 12, 117 (r	'N)				
MultiView Ref Level -2	<b>Spectrum</b> 0.00 dBm	● RB¥	V 1 MHz		<b>'N</b> )				♥
MultiView Ref Level -2 Att TDF	D.00 dBm 10 dB SWT		V 1 MHz		<b>(</b>				
MultiView Ref Level -2 Att TDF 1 Frequency S	Spectrum 0.00 dBm 10 dB SWT	● RB¥	V 1 MHz V 1 MHz Mode	Sweep	к)			M1[1]	●1Pk Max
MultiView Ref Level -2 Att TDF	Spectrum 0.00 dBm 10 dB SWT weep	● RB¥	V 1 MHz V 1 MHz Mode		к)			M1[1]	● 1Pk Max -39.69 dBm
MultiView Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum 0.00 dBm 10 dB SWT weep	● RB¥	V 1 MHz V 1 MHz Mode	Sweep	K)				●1Pk Max
MultiView Ref Level -2 Att TDF 1 Frequency S Limit Che	Spectrum 0.00 dBm 10 dB SWT weep	● RB¥	V 1 MHz V 1 MHz Mode	Sweep	K)			:	● 1Pk Max -39.69 dBm
MultiView Ref Level -2 Att TDF I Frequency S Limit Che Line 3003 300328TR	Spectrum 0.00 dBm 10 dB SWT weep	● RB¥	V 1 MHz V 1 MHz Mode	Sweep	K)			M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -20 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum 0.00 dBm 10 dB SWT weep	● RB¥	V 1 MHz V 1 MHz Mode	Sweep SS SS	<b>N</b> )	And an and a second	i je fan dere nege stil deliverte gene	M1	● 1Pk Max -39.69 dBm
MultiView Ref Level -2i Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep			eg at med are any and define the pro-	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2i Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm	Spectrum 0.00 dBm 10 dB SWT weep	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			a de fan de en ser oant de fan sie de part gester de fan de gester de ser de ser de ser de gester	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2: Att TDF I Frequency S Limit Che Line 300: 300328TR -40 dBm -50 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS	n, j	a baarda da a a a se a se a se a se	a de fair de comme de la de de la comme de la comme La comme de la c	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2i Att TDF I Frequency S Limit Che Line 3003 300328TR -40 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			e de fai de composition de la compositi La composition de la co	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2: Att TDF I Frequency S Limit Che Line 300: 300328TR -40 dBm -50 dBm -60 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			a distant karang distant karang basa Ang distant karang distant karang basa Ang distant karang distant karang basa	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2: Att TDF I Frequency S Limit Che Line 300: 300328TR -40 dBm -50 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			g de fait fait fait ann an t-ann a bhailtean an t-ann a bhailtean an t-ann a bhailtean a bhailtean a bhailtean Bhailtean an t-ann a bhailtean a bhailte	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2: Att TDF I Frequency S Limit Che Line 300: 300328TR -40 dBm -50 dBm -60 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			g (def en der en gener der eine bereiten eine ber	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2: Att TDF I Frequency S Limit Che Line 300: 300328TR -40 dBm -50 dBm -60 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS			The second	M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -20 Att TDF Frequency S Limit Che Line 3003 300328TR -40 dBm -50 dBm -60 dBm -70 dBm-	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -20 Att TDF Frequency S Limit Che Line 3003 300328TR -40 dBm -50 dBm -60 dBm -70 dBm-	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2i Att TDF IFrequency S Limit Che Line 3003 300328TR -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView Ref Level -2i Att TDF IFrequency S Limit Che Line 3003 300328TR -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView           Ref Level -2:           Att           TDF           I Frequency S           Limit Che           Line 300:           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView           Ref Level -2!           • Att           TDF           1 Frequency S           Limit Che           Line 3003           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm           -100 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView           Ref Level -2:           Att           TDF           I Frequency S           Limit Che           Line 300:           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView           Ref Level -2!           • Att           TDF           1 Frequency S           Limit Che           Line 3003           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm           -100 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep SS SS				M1	● 1Pk Max -39.69 dBm (0.974100 GHz
MultiView           Ref Level -2!           • Att           TDF           1 Frequency S           Limit Che           Line 3003           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm           -100 dBm	Spectrum 10 dB SWT weep k 228TR	30.1 ms VBV	V 1 MHz V 1 MHz Mode	Sweep		5.0 MHz/	Measuring		● 1Pk Max -39.69 dBm (0.974100 GHz

Radiated Emissions, 3 – 12.75GHz, 2402MHz, VP (PK)



MultiView	Spectrum								$\nabla$
RefLevel -10 Att		30.1 ms VBW	/1MHz /1MHz Mode	: Sweep					
TDF									• 1 Dk Mey
1 Frequency S Limit Che			PA	SS				M1[1]	<ul> <li>1Pk Max</li> <li>-38.64 dBm</li> </ul>
Line 3003				SS					11.208740 GHz
-20 dBm									112007 10 012
20 0011									
300328TR									
								M1	
-40 dBm								Y	
-40 UBM-					March 1	الالمريد الرور الجرور والم	ى خانىڭ خان مىتخىيە كالاردان ،		the langer of the test starting of the
			and the second	A	the second second	The last area with the literation areas and the state	and the set of the set	and a state of the second state	a second s
-50 dBm	A Dura Hillinger and the Mark	and the grant the state in the	and a labor of the second s	in the second descent sprop of					
and a statistic to the limit of the	and with the first second distribution of	and a supply and a supply and a supply	and a second second second						
a building reprint the sale									
-60 dBm									
-70 dBm									
Sala da ser									
-80 dBm									
-90 dBm									
-100 dBm									
3.0 GHz			30001 pt	s	97	5.0 MHz/			12.75 GHz
							Measuring		22.08.2018 16:24:44
Padiatod F	missions	3 – 12.750			) ()		,		10.24.44
	~		JIIZ, 24001	vii 12, TTF (F	'N)				
<u></u>	$\sim$		, 24001	vii 12, TIF (F	'N)				
MultiView	Spectrum			vii i 2, i i F (F	<b>'</b> K)				
MultiView Ref Level -10 Att	D.00 dBm		/ 1 MHz		~ <b>K</b> )				▽
MultiView Ref Level -10 Att TDF	D.00 dBm 10 dB SWT	● RB₩	/ 1 MHz		·r.)				
MultiView Ref Level -10 Att TDF 1 Frequency S	Spectrum D.00 dBm 10 dB SWT weep	● RB₩	/ 1 MHz / 1 MHz Mode	sweep	~K)	1		M1[1]	●1Pk Max
MultiView Ref Level -10 Att TDF	Spectrum D.00 dBm 10 dB SWT weep	● RB₩	/ 1 MHz / 1 MHz Mode PA		-r()			M1[1]	● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum D.00 dBm 10 dB SWT weep	● RB₩	/ 1 MHz / 1 MHz Mode PA	Sweep	к) 				●1Pk Max
MultiView Ref Level -10 Att TDF 1 Frequency S Limit Che	Spectrum D.00 dBm 10 dB SWT weep	● RB₩	/ 1 MHz / 1 MHz Mode PA	Sweep	к) 				● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF 1 Frequency S Limit Che Line 3003	Spectrum D.00 dBm 10 dB SWT weep	● RB¥	/ 1 MHz / 1 MHz Mode PA	Sweep	к) 				● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm	Spectrum D.00 dBm 10 dB SWT weep	● RB¥	/ 1 MHz / 1 MHz Mode PA	Sweep	к) 				● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF 1 Frequency S Limit Che Line 3002 -20 dBm-	Spectrum D.00 dBm 10 dB SWT weep	● RB¥	/ 1 MHz / 1 MHz Mode PA	Sweep					● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF TFrequency S Limit Che Line 3003 -20 dBm 300329TR	Spectrum D.00 dBm 10 dB SWT weep	● RB¥	/ 1 MHz / 1 MHz Mode PA	Sweep	к) 				● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm	Spectrum D.00 dBm 10 dB SWT weep	● RB¥	/ 1 MHz / 1 MHz Mode PA	Sweep SS SS				M1	● 1Pk Max -40.14 dBm
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm -40 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		Jerry gille have been a been been gi	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm -40 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS			a y ng plat ky talan ng ka khang (b	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm -40 dBm	Spectrum D.00 dBm 10 dB SWT weep	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		a yang bala kapada na ya kabana ( ) in gang ana ( ) kana kabana ( ) in gang kana (	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Limit Che Line 3003 -20 dBm -00328TR -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		up ny sila haki bera kesi bera (k	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF I Frequency S Limit Che Line 3003 -20 dBm -40 dBm -50 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		ug sygg det hyself to react Armen ( )	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Limit Che Line 3003 -20 dBm -00328TR -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Linit Che Line 3003 -20 dBm -300329TR -40 dBm -50 dBm -60 dBm-	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Limit Che Line 3003 -20 dBm -00328TR -40 dBm -50 dBm -50 dBm -50 dBm -50 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		etan gala ka kelan sa ka Ane of tu	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Linit Che Line 3003 -20 dBm -300329TR -40 dBm -50 dBm -60 dBm-	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		egy gold have been a been of the	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8 Ref Level -10 Att TDF IFrequency S Linit Che Line 3003 -20 dBm -300329TR -40 dBm -50 dBm -60 dBm-	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		Legarge all a particular state of the second	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           20 dBm           300328TR           -40 dBm           -50 dBm           -60 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the		Je sy gala has there a the three of the	M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           J0. dbm           300328TR           -40 dBm           -50 dbm           -60 dBm           -70 dBm           -80 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           20 dBm           300328TR           -40 dBm           -50 dBm           -60 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm (1.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           J0. dbm           300328TR           -40 dBm           -50 dbm           -60 dBm           -70 dBm           -80 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView         8           Ref Level -10         Att           TDF         I frequency S           Limit Che         Limit Che           Limit Che         300328TR           -20 dBm         300328TR           -40 dBm         -60 dBm           -70 dBm         -80 dBm           -90 dBm         -90 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           J0. dbm           300328TR           -40 dBm           -50 dbm           -60 dBm           -70 dBm           -80 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm (1.079390 GHz
MultiView         8           Ref Level -10         Att           TDF         I frequency S           Limit Che         Limit Che           Limit Che         300328TR           -20 dBm         300328TR           -40 dBm         -60 dBm           -70 dBm         -80 dBm           -90 dBm         -90 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	Sweep SS SS	ni lif <sub>e and a</sub> solid for dogot the			M1	• 1Pk Max -40.14 dBm 11.079390 GHz
MultiView 8           Ref Level -10           Att           TDF           I Frequency S           Limit Che           Linit Che           Line 3002           -20 dBm           300328TR           -40 dBm           -50 dBm           -60 dBm           -70 dBm           -80 dBm           -90 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz Mode	SS SS		5 0 MHz /		M1	• 1Pk Max -40,14 dBm 11,079390 GHz
MultiView         8           Ref Level -10         Att           TDF         I Frequency S           Limit Che         Limit Che           Limit Che         300328TR           -20 dBm         300328TR           -40 dBm         -60 dBm           -70 dBm         -80 dBm           -90 dBm         -90 dBm	Spectrum 0.00 dBm 10 dB SWT weep k 28TR	30.1 ms VBW	/ 1 MHz / 1 MHz Mode PA PA	SS SS		5.0 MHz/	And a block of the office of t	MI	• 1Pk Max -40.14 dBm 11.079390 GHz

Radiated Emissions, 3 – 12.75GHz, 2480MHz, VP (PK)



### 4.11 Receiver spurious emissions - Radiated

#### ETSI EN 300 328 subclause 4.3.2.10

Frequency (MHz)	Detector	Polarization	Spurious Emission Level (dBm)
4800	rms	HP	-59.6
4960	rms	HP	-60.7
30 – 1000 (all others)	PK	VP/HP	< -63
1000 – 12750 (all others)	PK	VP/HP	< -53

Because of large backround noise, the RBW of 100 kHz is used for pre-scan for above 1GHz. And detected emissions are measured with RBW of 1MHz

#### Limits: Clause 4.3.2.10.3

Frequency Range	Limit
30 MHz to 1 GHz	-57 dBm
above 1 GHz to 12,75 GHz	-47 dBm

**Test Equipment Used:** 6,8,9,11


MultiView 🕀 Spect	rum							$\nabla$
Ref Level -20.00 dBm Att 20 dB		RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep					
PA TDF 1 Frequency Sweep	Bill Boll mo	VBW TOO KILL MIDE						A I Dk Mov
Limit Check		PA PA	SS				M1[1]	1Pk Max -69.49 dBm
Line 300328RX		PA	SS					31.8910 MHz
-30 dBm								
-40 dBm								
-50 dBm								
300328RX								
м1 -70 dBm								
							1 I.u.	مسقلاته سأستقاف ساليا
-80 dBm				a historia and and and the	. Los a to make a place with	ilinea parte de lla Agreco a	The second strengthened and th	and the first property of the
and the set of the set	الاستروبية المعود ومليس			and to part with a first of public to a beau built				
-90 dBm	hand a black hand and a black hand a black h							
-100 dBm								
-110 dBm								
30.0 MHz			s	97	7.0 MHz/			1.0 GHz
						Measuring		20.08.2018 10:07:54
Receiver Emissic	ns radiat	ed 30 -1000 M	Hz ch240	2MH7 HP				
Receiver Emissio		ed, 30 -1000 M	lHz, ch240	2MHz,HP				
MultiView 🗄 Spect	rum		IHz, ch240	2MHz,HP				
MultiView B Spect	rum	RBW 100 kHz VBW 100 kHz Mod		2MHz,HP				
MultiView : Spect Ref Level -20.00 dBm Att 20 dB PA TDF	rum	• <b>RBW</b> 100 kHz		2MHz,HP				
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Cheltk	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	• 1Pk Max
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Check Line 300328RX	rum	<ul> <li>RBW 100 kHz</li> <li>VBW 100 kHz Mod</li> </ul>	e Auto Sweep SS	2MHz,HP			M1[1	• 1Pk Max
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Cheltk	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Check Line 300328RX -30 dBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Check Line 300328RX	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB E PA TDF 1 Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF 1 Frequency Sweep Limit Check Line 300328RX -30 dBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm -40 dBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -00 uBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView  Spect Ref Level -20.00 dBm Att 20 dB PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm 41 -70 dBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP			M1[1	● 1Pk Max ] -69.45 dBm
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -00 uBm	rum	RBW 100 kHz VBW 100 kHz Mod	e Auto Sweep SS	2MHz,HP				● 1Pk Max ] -69.45 dBm
MultiView  Spect Ref Level -20.00 dBm Att 20 dB PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm 41 -70 dBm	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS			al J-(b)aug (dalam k (b)		● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX M1 -70 dBm	rum	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS					● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX M1 -70 dBm	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS	2MHz,HP		ad J. (b) any folders cher b		● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 uBm 41 -70 dBm -80 dBm	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS	2MHz,HP				● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 uBm 41 -70 dBm -80 dBm	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS					● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm -50 dBm -60 ubm -80 ubm -80 ubm -90 dBm -9	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS					● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView E Spect Ref Level -20.00 dBm Att 20 dB PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm -50 dBm -60 ubm -80 ubm -80 ubm -90 dBm -9	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS					● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -90 dBm -100 dBm -100 dBm -100 dBm -100 dBm -100 dBm -100 dBm -20 d	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep SS SS					● 1Pk Max -69.45 dBm 30.6300 MHz
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF IFrequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm -50 dBm -70 dBm -90 dBm -100 dBm -100 dBm -100 dBm -100 dBm -100 dBm -100 dBm -20 d	SWT 30.1 ms	RBW 100 kHz VBW 100 kHz Mod PA PA	e Auto Sweep		/.0 MHz/			● 1Pk Max -69.45 dBm 30.6300 MHz

Receiver Emissions, radiated, 30 -1000 MHz, ch2402MHz,VP



MultiView 🖽 Spect	rum						
	• RBW 1 SWT 30.1 ms VBW 1	100 kHz 100 kHz <b>Mode</b> Au	to Sweep				
PA TDF 1 Frequency Sweep							●1Pk Max
Limit Check		PASS				M1[1]	-66.76 dBm
Line 300328RX		PASS					869.5230 MHz
-30 dBm	· · · · · · · · · · · · · · · · · · ·						00510200 10112
So dbiii							
-40 dBm							
-50 dBm							
300328RX							
						M1	
						Ţ	
(-70 dBm							
				1	Litten, Billion armouth all blar	an physical probability of the second	A second a first of the second s
-8 <mark>0</mark> dBm		المامير بالبريارية والم	producers of principality in the state	And the state of t	a post of the second	and a state of the	
	and a start of the start of the start of the	Test Later and the second s	and should all down the prosected pro-				
-90 dBm	No. Marine Association and a second second						
90 dbm							
-100 dBm							
-110 dBm							
30.0 MHz		30001 pts		97.0 MHz/			1.0 GHz
					Measuring		20.08.2018 10:23:25
					)		10.23.23
Receiver Emissio	ons, radiated, 30	0 - 1000MHz	, ch2480MH	z,HP			
Receiver Emissio		0 - 1000MHz	, ch2480MH	z,HP			
Receiver Emissio		0 - 1000MHz	, ch2480MH	z,HP			▽
			, ch2480MH	z,HP			
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB	rum	.00 kHz		z,HP			
MultiView : Spect Ref Level -20.00 dBm Att 20 dB : PA TDF	rum 🔋 RBW 1	.00 kHz		z,HP			
MultiView  Spect Ref Level -20.00 dBm Att 20 dB PA TDF PA TDF 1 Frequency Sweep	rum 🔋 RBW 1	.00 kHz .00 kHz <b>Mode</b> Au		z,HP		MIEIJ	• 1Pk Max
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF I Frequency Sweep Limit Chelak	rum 🔋 RBW 1	.00 kHz		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB 2 PA TDF 1 Frequency Sweep Limit Check Line 300328RX	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	• 1Pk Max
MultiView  Spect Ref Level -20.00 dBm Att 20 dB  PA TDF I Frequency Sweep Limit Chelak	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB 2 PA TDF 1 Frequency Sweep Limit Check Line 300328RX	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB 2 PA TDF 1 Frequency Sweep Limit Check Line 300328RX	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView : Spect Ref Level -20.00 dBm Att 20 dB : PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView : Spect Ref Level -20.00 dBm Att 20 dB : PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView : Spect Ref Level -20.00 dBm Att 20 dB : PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chetk Line 3003 28RX -30 dBm -40 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chetk Line 300328RX -30 dBm -40 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chetk Line 3003 28RX -30 dBm -40 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB S PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB S PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX	rum 🔋 RBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS		z,HP		M1[1]	● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB S PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
MultiView E Spect Ref Level -20.00 dBm Att 20 dB S PA TDF I Frequency Sweep Limit Check Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX 300328RX M1 -70 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz <b>Mode</b> Au P <b>A</b> SS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level         -20.00 dBm           Att         20 dB           PA TDF         20 dB           I Frequency Sweep         Limit Chetk           Line 3003/28RX         -30 dBm           -40 dBm         -40 dBm           -50 dBm         -3003/28RX           -00 ubm         -70 dBm           -70 dBm         -80 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
MultiView 3 Spect Ref Level -20.00 dBm Att 20 dB 3 PA TDF 1 Frequency Sweep Limit Chelk Line 300328RX -30 dBm -40 dBm -50 dBm 300328RX 300328RX M1 -70 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level         -20.00 dBm           Att         20 dB           PA TDF         20 dB           I Frequency Sweep         Limit Chetk           Line 3003/28RX         -30 dBm           -40 dBm         -40 dBm           -50 dBm         -3003/28RX           -00 ubm         -70 dBm           -70 dBm         -80 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         Att           Att         20 dB           PA TDF         IFrequency Sweep           Limit Check         Line 300328RX           -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level         -20.00 dBm           Att         20 dB           PA TDF         20 dB           I Frequency Sweep         Limit Chetk           Line 3003/28RX         -30 dBm           -40 dBm         -40 dBm           -50 dBm         -3003/28RX           -00 ubm         -70 dBm           -70 dBm         -80 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         Att           Att         20 dB           PA TDF         IFrequency Sweep           Limit Check         Line 300328RX           -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         Att           Att         20 dB           PA TDF         IFrequency Sweep           Limit Check         Line 300328RX           -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         20 dB           PA TDF         20 dB           1 Frequency Sweep         Limit Chekk           Line 300328RX         -30 dBm           -30 dBm         -40 dBm           -50 dBm         -300328RX           -70 dBm         -300328RX           -90 dBm         -40 dBm           -100 dBm         -100 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         20 dB           PA TDF         20 dB           1 Frequency Sweep         Limit Chekk           Line 300328RX         -30 dBm           -30 dBm         -40 dBm           -50 dBm         -300328RX           -70 dBm         -300328RX           -90 dBm         -40 dBm           -100 dBm         -100 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm
Multiview         Spect           Ref Level -20.00 dBm         20 dB           Att         20 dB           PA TDF         20 dB           I Frequency Sweep         Limit Check           Line 3003/28RX         -30 dBm           -40 dBm         -30 dBm           -50 dBm         -3003/28RX           -50 dBm         -3003/28RX           -70 dBm         -3003/28RX           -90 dBm         -3003/2000/2000/2000/2000/2000/2000/2000	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz PASS ASS	to Sweep				• 1Pk Max -69.81 dBm 30.6300 MHz
Multiview         Spect           Ref Level         -20.00 dBm           Att         20 dB           PA TDF         20 dB           I Frequency Sweep         Limit Check           Line         3003288X           -30 dBm	rum SWT 30.1 ms VBW 1	100 kHz 100 kHz Mode Au PASS PASS	to Sweep	z,HP			● 1Pk Max -69.81 dBm

Receiver Emissions, radiated, 30 - 1000MHz, ch2480MHz,VP

### Receiver Emissions, radiated, 1.44GHz,rms,HP



MultiView	Spectrum								
Ref Level -20 Att PA TDF			W 100 kHz W 100 kHz Mo	<b>de</b> Sweep					
1 Frequency S	weep								●1Pk Max
								M1[1]	-58.62 dBm
									4.801960 GHz
-30 dBm									noorboo one
-30 ubm-	· · · · · · · · · · · · · · · · · · ·								
-40 dBm									
-40 ubm-									
-50 dBm									
50 dbm									and the star be
			M1			a the construction of the first of the second states	الالقيمة والملطط المانين المساميا معال	المناهدان والمعران والمعالي	and the second
-60 dBm					and the set of the second states and the second	a local development for the local development of the	dramman branch and a branch and	teriniti di standare la cuit anno di	
		her successive and set of the	المله الملاقط معادية المرمعين الم	and part of the first of the	helped and the feature program in the				
	and the second	April 14 and a second	with the state of						
70 dBm	Alexandra Alexandra								
And the second second second	In all the Berlin and								
a state of the second sec									
-80 dBm	<u></u>								
-90 dBm									
-100 dBm									
-110 dBm									
1.0 GHz			30001 p	ts	1	.18 GHz/	1	1	12.75 GHz
(	Y						han a surface		20.08.2018
L							Measuring		16:17:19
Doooiyor E	missions	radiated	1 12 750		2MU- UD	DK pro o	00n		

### Receiver Emissions, radiated, 1 $\,$ - 12.75GHz, ch2402MHz,HP, PK , pre-scan

MultiView 🕀 Spectrum							
Ref Level -20.00 dBm Att 10 dB SWT	<ul> <li>RBW 100 kHz</li> <li>118 ms</li> <li>VBW 100 kHz</li> <li>Mo</li> </ul>	de Sweep					
PA TDF							
1 Frequency Sweep						M1[1]	<ul> <li>1Pk Max</li> <li>-52.82 dBm</li> </ul>
							2.743150 GHz
-30 dBm							
-40 dBm-							
-50 dBm							M1
				tata ang sa sa sa sa sa kikabanti	الملبور فليسلطون السابيريين بتدريده	(allowed have as made as for a pole of the let	and all the mildel of a start
-60 dBm		ماليون والماليون والماليون	na du la mini lesta a mini	and the local sector and the sector sector	and the second second stands in the second	alking a strain the state of th	
	A the delayer of the second	a series and the product of the second se	and The second se				
	hand the second s						
-70 dBm <del></del>							
-80 dBm							
-90 dBm							
-100 dBm							
-110 dBm							
1.0 GHz	30001 p	ts	1.	18 GHz/	l	l	12.75 GHz
					Measuring		20.08.2018 16:23:05

Receiver Emissions, radiated, 1 - 12.75GHz, ch2402MHz,VP, PK , pre-scan



MultiView	Spectrum	Ì									▽
Ref Level -20				100 kHz		-					
Att PA TDF	10 dB SWT	118 m:	s vBM	100 kHz	Mod	e Sweep					
1 Frequency S	weep										●1Pk Max
										M1[1]	-58.92 dBm
											4.957840 GHz
-30 dBm											
-40 dBm											
-50 dBm										and the second s	Manageria and an an an an and
				M1			المريب المريبين	والمعاف ومحمد ومراخدته والم	A second s		
-60 dBm			At delivery bed and the set	realized a taken	ana thi	And the second second second second second		11 March 1997			
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≂7D dβm											
-80 dBm										-	
-90 dBm											
JO GDIN											
-100 dBm											
-110 dBm											
1.0 GHz				3000	01 pt	s	1	.18 GHz/			12.75 GHz
	T T								Measuring		20.08.2018 16:34:56
 D = = = <b>!</b>				4 40 -	750						2010 1100
Receiver E	missions,	, radi	atea,	1 - 12./	36	nz, cn248	UNIHZ, HP,	PA, pre-s	scan		
MultiView	Spectrum										
		l									
Ref Level -20	J.UU dBm		RBM	100 kHz							

Ref Level -20			/ 100 kHz	1					
Att	10 dB SWT	118 ms VBW	100 kHz Mod	le Sweep					
PA TDF	woop								●1Pk Max
1 Frequency S	weep							MILII	
								M1[1]	-52.60 dBm
									0.101440 GHz
-30 dBm									
-40 dBm									
-50 dBm							M.1.		
00 0011							i Tauta	No. 1	a hard a state school of the
						المستحافظ والدوار ومراجع أوابك	a spin on a state ball and the state of the	all a state to be a state of a	and the second statistical data as a second
-60 dBm			I a latter of a light of the light of a ligh	- II Barl - and all all the delay like	hhatand hill building	ite netrino anna a fairte a stairte a fairte	n en sen en e	and a state of the second s	
		The state of the s	A latin of a liter of a strength	and the second	Street of the second second second second				
	and a standard and a standard	and a set of the set o	Construction (Material of the						
-70 dBm									
Providence of the second se									
-80 dBm									
-90 dBm									
-90 ubm-									
-100 dBm									
-110 dBm									
1.0 GHz	1	1	30001 pt	S	1.	.18 GHz/	1	I	12.75 GHz
	Y					/	Measuring	(	20.08.2018
ι							measuring		16:25:24

Receiver Emissions, radiated, 1 - 12.75GHz, ch2480MHz,VP, PK , pre-scan





#### Receiver Emissions, radiated, 4.8GHz, ch2402,rms,HP



# 4.12 Receiver Blocking

## ETSI EN 300 328 subclause 4.3.2.11

#### **Conducted measurements**

#### EN 300 328 V2.1.1:

Wanted signal mean power from companion device (dBm)	Blocking signal frequency [MHz]	Blocking signal power [dBm] (see note 2)	Observed criteria LED 1 & 3 ON
§	2 380	-45.9	YES
§	2 503,5	-45.9	YES
§	2 300	-45.9	YES
§	2 583,5	-45.9	YES

## EN 300 328 V2.2.0:

Wanted signal mean power from companion device (dBm)	Blocking signal frequency [MHz]	Blocking signal power [dBm] (see note 4)	Observed criteria LED 1 & 3 ON
§	2 380	-32.9	YES
§	2 503,5	-32.9	YES
§	2 300	-32.9	YES
§	2 583,5	-32.9	YES

The EUT was in hopping mode.

OCBW : 1890000Hz

Blocking signal power with antenna gain of 0dBi  $P_{min} = -56.79 \text{ dBm}$ § Wanted signal level:  $P_{min} + 6 \text{ dB}$ : -50.79 dBm (according to V2.1.1) And -139+10 log10(OCBW)+10: -56.24 dBm (according to v2.2.0)

Category 2 receiver



## Limits: Clause 4.3.2.11.4.3

#### EN 300 328v2.1.1

Wanted signal mean power from companion device (dBm)	Blocking signal frequency [MHz]	Blocking signal power [dBm] (see note 2)	Type of interfering signal	Performance criteria (%)
P <sub>min</sub> + 6 dB	2 380 2 503,5	-57	CW	<10*
P <sub>min</sub> + 6 dB	2 300 2 583,5	-47	CW	<10*
	num level of the wanted si se 4.3.2.11.3 in the absen			um performance

NOTE 2: The levels specified are levels in front of the UUT antenna. In case of conducted measurements, the levels have to be corrected by the actual antenna assembly gain.

#### EN 300 328v2.2.0

com	signal mean power from panion device (dBm) see notes 1 and 3)	Type of blocking signal		
	n + 10 × log <sub>10</sub> (OCBW) + 10) Bm + 10) whichever is less (see note 2)	2 380 2 503,5 2 300 2 583,5	[-34]	CW
	OCBW is in Hz.	122713559	and the second second	and the second second second
NOTE 2:	As an alternative the test ma P <sub>min</sub> + 26 dB where P <sub>min</sub> is t	ay be perform he <mark>mini</mark> mum l	ed using a wante evel of wanted sig	d signal equal to gnal (in dBm)
	required to meet the minimu clause 4.3.1.12.3 in the abs			ned in
NOTE 3:	In case of radiated measure of the UUT antenna with the clause 5.4.3.2.2. In the case level is the level applied at t	ements, this w e UUT being c e of conducted	anted signal leve configured/position d measurements	ned as recorded in
NOTE 4:		ements, the bl	ocking levels spe	

#### \*) or manufacturer declared performace criteria

**Test Equipment Used:** 1,3,4, 19 - 23



# 4.13 Geo-Location capability

## ETSI EN 300 328 subclause 4.3.2.12

Description	Yes/NO
Geo-location capability implemented	NO

## Requirements: Clause 4.3.2.12.3

The geographical location determined by the equipment as defined in cl. 4.3.2.12.2 shall not be accessible to the user.



# 5 Measurement Uncertainty

Measurement Uncertainty Values		
Test Item	Uncertainty	
Conducted Output Power		±0.35 dB
Power Spectral Density		±3.7 dB
Out of Band Emissions, Conducted	±1.39 dB	
	> 1 GHz	±1.39 dB
Spurious Emissions, Radiated	< 2 GHz	±1.1 dB
	> 2 GHz	±2.0 dB
Occupied Bandwidth		±0.1kHz
Timing/Duty cycle		< 0.5ns

Conducted measurements are given by the manufacturer (R&S TS8997)



# 6 Test Setups



YZ - plane, Radiated measurements





XZ- plane, Radiated measurements





XY-Plane, Radiated measurements





Climatic measurements



# 7 PHOTOGRAPHS OF THE EUT



nRF52-DK – Front side



nRF52-DK - Rear side



# 8 Test Equipment Used

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment and ancillaries are identified (numbered) by the testhouse.

No	Ref. No	Description	Manufacturer	Туре	Cal. date	Cal. due
1.	LR 1654	Spectrum Analyzer	Rohde & Schwarz	FSV 30	01.2017	01.2019
2.	LR 1657	Power meter	Rohde & Schwarz	OSPB157	01.2017	01.2019
3.	LR 1655	Vector Signal generator	Rohde & Schwarz	SMBV 100A	01.2017	01.2019
4.	LR 1656	Signal generator	Rohde & Schwarz	SMB100A	01.2017	01.2019
5.	-	EMC 32, TS899 (Soft ware)	Rohde & Schwarz	V9.26.00/1.26.01	N/A	
6.	LR 1640	Spectrum Analyzer	Rohde & Schwarz	FSW26	11/2017	11/2019
7.	LR 1673	Attenuator	NARDA	4768-10	Cal b4 use	
8.	LR 1552	Pre-Amplifier	Miteq	JS4	10.2017	10.2018
9.	LR 1226	Double Ridged Horn Antenna	EMCO	3115	11/2008	11/2018
10.	LR 1614	Highpass Filter	Trilithic	6HC3000/18000	Cal b4 use	
11.	LR 1734	Biconical-log hybrid antenna	Sunol Sciences	JB3	05.2018	05.2020
12.	LR 1083	Climatic Chamber	ACS	TY 80	03.2018	03.2019
13.	LR1619	HP filter	Wainwright Instr.	WHKX6.5/18G-8	N/A	
14.	LR 102	Antenna, Horn	Sivers	PM7320X	12.2008	12.2020
15.	LR 101	Antenna, Horn	Systron	DBF-5230	12.2008	12.2020
16.	LR 1480	Antenna, Horn	Narda	638	12.2008	12.2020
17.	LT 666	Power Supply	Oltronix	B300	Cal b4 use	
18.	LR 1598	Multimeter, Digital	Fluke	87V	10.2017	10.2018
19.	LR 1673	Attenuator	NARDA	4768-10	Cal b4 use	
20.	LR 1528	Hybrid	NARDA	4356B	Cal b4 use	
21.	LR1526	Directional coupler	Agilent	87300C	Cal b4 use	
22.	LR1627	Cable			Cal b4 use	
23.	LR1634	Cable			Cal b4 use	
24.	LR1188	RF signal generator	Gigatronics	7200	01.2017	01.2019



# Revisions

Revision #	Date	Order #	Description
00	2018-08-29	359526	First issued