

ICS Details

Core Specification

[PROD \(Product Type\)](#)

RFPHY (Low Energy RF PHY)

[SUM ICS \(Summary ICS\)](#)

GATT Profiles and Services

LE Audio Specifications

Mesh Specifications

Traditional Profiles

Low Energy RF PHY

Capability Statement

Table 1: Bluetooth LE RF Capabilities

Support	Item	Capability	Reference	Status	Comment
<input type="checkbox"/>	1/1	LE Transmitter	[1] 3	C.1	C.1: Mandatory to support at least one of these capabilities. Note that selecting both RF PHY 1/1 “LE Transmitter” and RF PHY 1/2 “LE Receiver” is equivalent to selecting RF PHY 1/3 “LE Transceiver” and vice versa.
<input type="checkbox"/>	1/2	LE Receiver	[1] 4	C.1	C.1: Mandatory to support at least one of these capabilities. Note that selecting both RF PHY 1/1 “LE Transmitter” and RF PHY 1/2 “LE Receiver” is equivalent to selecting RF PHY 1/3 “LE Transceiver” and vice versa.
<input checked="" type="checkbox"/>	1/3	LE Transceiver	[1] 3, 4	C.1	C.1: Mandatory to support at least one of these capabilities. Note that selecting both RF PHY 1/1 “LE Transmitter” and RF PHY 1/2 “LE Receiver” is equivalent to selecting RF PHY 1/3 “LE Transceiver” and vice versa.
<input checked="" type="checkbox"/>	1/4	LE 2M PHY	[3] 3, 4	C.2	C.2: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional.
<input type="checkbox"/>	1/5	Stable Modulation Index - Transmitter	[3] 3.1.1	C.3	C.3: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional IF RF PHY 1/1 “LE Transmitter” OR RF PHY 1/3 “LE Transceiver” is supported, otherwise Excluded.
<input type="checkbox"/>	1/6	Stable Modulation Index - Receiver	[3] 3.1.1	C.4	C.4: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional IF RF PHY 1/2 “LE Receiver” OR RF PHY 1/3 “LE Transceiver” is supported, otherwise Excluded.
<input checked="" type="checkbox"/>	1/7	LE Coded PHY	[3] 3.4	C.2	C.2: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional.
<input type="checkbox"/>	1/8	Transmitting Constant Tone Extensions	[4] 5	C.3	C.3: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional IF RF PHY 1/1 “LE Transmitter” OR RF PHY 1/3 “LE Transceiver” is supported, otherwise Excluded.
<input type="checkbox"/>	1/9	2 μs Antenna Switching During Constant Tone Extension Transmission (AoD)	[4] 5	C.5	C.5: Optional IF RF PHY 1/8 “Transmitting Constant Tone Extensions” is supported, otherwise Excluded.
<input type="checkbox"/>	1/10	1 μs Antenna Switching During Constant Tone Extension Transmission (AoD)	[4] 5	C.6	C.6: Optional IF RF-PHY 1/9 “2 μs Antenna Switching During Constant Tone Extension Transmission (AoD)” is supported, otherwise Excluded.
<input type="checkbox"/>	1/11	2 μs Antenna Sampling During Constant Tone Extension Reception (AoD)	[4] 5	C.4	C.4: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional IF RF PHY 1/2 “LE Receiver” OR RF PHY 1/3 “LE Transceiver” is supported, otherwise Excluded.
<input type="checkbox"/>	1/12	2 μs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.7	C.7: Optional IF RF PHY 1/11 “2 μs Antenna Sampling During Constant Tone Extension Reception (AoD)” is supported, otherwise Excluded.
<input type="checkbox"/>	1/13	1 μs Antenna Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.7	C.7: Optional IF RF PHY 1/11 “2 μs Antenna Sampling During Constant Tone Extension Reception (AoD)” is supported, otherwise Excluded.
<input type="checkbox"/>	1/14	1 μs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.8	C.8: Mandatory IF RF PHY 1/12 “2 μs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)” and RF/PHY 1/13 “1 μs Antenna Sampling During Constant Tone Extension Reception (AoD)” are supported, otherwise Excluded.

Test Interface Implementation Characteristics

Table 2: Bluetooth LE Test Interface Capabilities

Support	Item	Capability	Reference	Status	Comment
<input type="checkbox"/>	2/1	HCI Test Interface	[2] 2	C.1	C.1: At least one of the capabilities shall be supported.
<input checked="" type="checkbox"/>	2/2	UART Test Interface	[2] 3	C.1	C.1: At least one of the capabilities shall be supported.