

ICS Details

Consistency Check ▾

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 RFPHY 1/1 "LE Transmitter" OR RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver". Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 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 RFPHY 1/1 "LE Transmitter" OR RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver". Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 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 RFPHY 1/1 "LE Transmitter" OR RFPHY 1/2 "LE Receiver" OR RFPHY 1/3 "LE Transceiver". Note: Selecting both RFPHY 1/1 "LE Transmitter" and RFPHY 1/2 "LE Receiver" is equivalent to selecting RFPHY 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 RFPHY 1/1 "LE Transmitter" OR RFPHY 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 RFPHY 1/2 "LE Receiver" OR RFPHY 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 RFPHY 1/1 "LE Transmitter" OR RFPHY 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 RFPHY 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 RFPHY 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 RFPHY 1/2 "LE Receiver" OR RFPHY 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 RFPHY 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 (AoD)	[4] 5	C.7	C.7: Optional IF RFPHY 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 RFPHY 1/12 "2 μs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)" AND RFPHY 1/13 "1 μs Antenna Sampling During Constant Tone Extension Reception (AoD)" are supported, otherwise Excluded.
<input type="checkbox"/>	1/15	Power Class 1	[5] 4.6	C.9	C.9: Excluded IF SUM ICS 21/14 "Core v4.2" is supported AND SUM ICS 21/15 "CSA 5" is not supported, otherwise Optional.

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: Mandatory to support at least one of RFPHY 2/1 "HCI Test Interface" OR RFPHY 2/2 "UART Test Interface".
<input checked="" type="checkbox"/>	2/2	UART Test Interface	[2] 3	C.1	C.1: Mandatory to support at least one of RFPHY 2/1 "HCI Test Interface" OR RFPHY 2/2 "UART Test Interface".