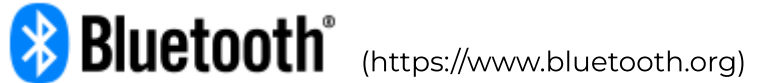




Updated Launch Studio Terms of Use go into effect on 15 November 2022. Changes clarify Declaration ID validity period. Learn more (<https://support.bluetooth.com/hc/en-us/articles/360054636252>)

[Back to Bluetooth.com](https://www.bluetooth.com) (<https://www.bluetooth.com>)

# ICS Details



Consistency Check ▾

<p><b>Core Specification</b></p> <p>4.0HCI (4.0 Host Controller Interface)</p> <p>BB (Baseband Conformance)</p> <p>HCI (Host Controller Interface)</p> <p>LL (Low Energy Link Layer)</p> <p>LMP (Link Manager Protocol)</p> <p>PROD (Product Type)</p> <p>RF (Radio)</p> <p>RFPHY (Low Energy RF PHY)</p> <p>SUM ICS (Summary ICS)</p> <p><b>GATT Profiles and Services</b></p> <p><b>LE Audio Specifications</b></p> <p><b>Mesh Specifications</b></p> <p><b>Traditional Profiles</b></p>	<p><b>Low Energy RF PHY</b></p> <p><b>Capability Statement</b></p> <p><b>Table 1: Bluetooth LE RF Capabilities</b></p> <table border="1"> <thead> <tr> <th>Support</th> <th>Item</th> <th>Capability</th> <th>Reference</th> <th>Status</th> <th>Comment</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>1/1</td> <td>LE Transmitter</td> <td>[1] 3</td> <td>C.1</td> <td>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.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>1/2</td> <td>LE Receiver</td> <td>[1] 4</td> <td>C.1</td> <td>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.</td> </tr> </tbody> </table>	Support	Item	Capability	Reference	Status	Comment	<input checked="" 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 checked="" 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.
Support	Item	Capability	Reference	Status	Comment														
<input checked="" 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 checked="" 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 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 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 $\mu$ s 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 $\mu$ s Antenna Switching During Constant Tone Extension Transmission (AoD)	[4] 5	C.6	C.6: Optional IF RF-PHY 1/9 "2 $\mu$ s Antenna Switching During Constant Tone Extension Transmission (AoD)" is supported, otherwise Excluded.
<input type="checkbox"/>	1/11	2 $\mu$ s 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 $\mu$ s Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.7	C.7: Optional IF RF PHY 1/11 "2 $\mu$ s Antenna Sampling During Constant Tone Extension Reception (AoD)" is supported, otherwise Excluded.
<input type="checkbox"/>	1/13	1 $\mu$ s Antenna Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.7	C.7: Optional IF RF PHY 1/11 "2 $\mu$ s Antenna Sampling During Constant Tone Extension Reception (AoD)" is supported, otherwise Excluded.
<input type="checkbox"/>	1/14	1 $\mu$ s Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)	[4] 5	C.8	C.8: Mandatory IF RF PHY 1/12 "2 $\mu$ s Antenna Switching and Sampling During Constant Tone Extension Reception (AoA)" and RF/PHY 1/13 "1 $\mu$ s 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 checked="" type="checkbox"/>	2/1	HCI Test Interface	[2] 2	C.1	C.1: At least one of the capabilities shall be supported.



2/2

UART Test  
Interface

[2] 3

C.1

C.1: At least one of the capabilities shall be supported.

© 2022 Bluetooth SIG, Inc. All rights reserved.

[Bluetooth Launch Studio Terms of Use \(/MyProjects/ShowTOU\)](#) |

[Bluetooth.com \(https://www.bluetooth.com\)](https://www.bluetooth.com) |

[Privacy Policy \(https://www.bluetooth.com/about-us/privacy\)](https://www.bluetooth.com/about-us/privacy) |

[Help & Support \(https://support.bluetooth.com/hc/en-us/requests/new/\)](https://support.bluetooth.com/hc/en-us/requests/new/)