|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 蓝牙 认证申请表 / Bluetooth Qualification Application Form | | | | | | | | | | | | | | |
| **1. Product Technology Information**  *(Note that fields 1 are required for* ***RF*** *test and that fields marked with an asterisk (\*) are* **necessary***.)* | | | | | | | | | | | | | | |
| BT Specification Version\* | | 4.2 (BR +EDR (π/4-DQPSK, 2 Mbit/s 8DPSK, 3 Mbit/s) BLE +HS) | | | | | | | | | | | | |
| 5.0 (BR +EDR (π/4-DQPSK, 2 Mbit/s 8DPSK, 3 Mbit/s) BLE +HS) | | | | | | | | | | | | |
| 5.1 (BR +EDR (π/4-DQPSK, 2 Mbit/s 8DPSK, 3 Mbit/s) BLE +HS) | | | | | | | | | | | | |
| 5.2 (BR +EDR (π/4-DQPSK, 2 Mbit/s 8DPSK, 3 Mbit/s) BLE +HS) | | | | | | | | | | | | |
| Maximum Packet Length  (4.2/5.0/5.1/5.2 only)\* | | Maximum TX Packet Length  Normal (37 Bytes)  Other       (Bytes) | | | | | | | | | | | | |
| Maximum RX Packet Length  Normal (37 Bytes)  Other       (Bytes) | | | | | | | | | | | | |
| RF-PHY ICS  (5.0/5.1/5.2 BLE only)\* | | Please fill in the table in [Annex A](#_Annex A RF-PHY ICS(Implementation Conformance Statement )) (Page 3). | | | | | | | | | | | | |
| Power Class(BR/EDR only)\* | | 1 (>0 dBm)  2 (-6~+4 dBm)  3 (<0 dBm)  According to the actual power of the sample | | | | | | | | | | | | |
| Power Source Type\* | | Battery  AC Main  DC Power  Other Type  According to the actual sample | | | | | | | | | | | | |
| Power Source Value\* | | Nominal      (V) | | | | Operating Temperature | | | | | | | Nominal\*      (°C) | |
| BT Antenna Peak Gain\* | | (dBi) | | | | RF Cable Loss (If any) | | | | | | | (dB) | |
| **2. Product Category and Layers Select**  *(Note that fields 2 are required for* ***Profile*** *test and that fields marked with an asterisk (\*) are* **necessary***.)* | | | | | | | | | | | | | | |
| BR/EDR Profile \* | | **According to the actual profiles of the sample**  **Provide by Customer** *(The following Check Boxes)*  *IOP A2DP GAVDP AVRCP HFP HSP OPP PAN PBAPMAP FTP HID DID SAP DUN BIP* *AVCTP SYNCAVDTP RFCOMM SPP*  *3DSP BPP BPP1.2 GNSS VDPHCRP HCRP1.2 HDP HID1.1 MCAP MD MP MPS Others* | | | | | | | | | | | | |
| GATT Based Profile (4.2/5.0/5.1/5.2 Option) \* | | ANP ANS BAS BLP BLS CTS CPP CPS CSCS CSCP  DIS FMP GLP GLS HOGP HIDS HRP HRS HTP HTS  HRP HRS IAS LLS LNP LNS NDCS PASP PASS PXP SCPP SCPS RSCP RSCS RTUS TIP TPS Others | | | | | | | | | | | | |
| Core Protocol  (If applicable) | | RF BB LMP HCI L2CAP SDP GAP  80211PAL 80211 MAC-PHY AMPHCI A2MP ***(HS Option)***  LL RF-PHY 4.0HCI GATT ATT SM IAL ***(4.2 /5.0/5.1/5.2 Option)*** | | | | | | | | | | | | |
| **3.** **Product General Information**  *(Note that fields 3 are required for* ***Report*** *and that fields marked with an asterisk (\*) are* **necessary***.)* | | | | | | | | | | | | | | |
| **3.1 Applicant Information\*** | | | | | | | | | | | | | | |
| Company Name\* | | |  | | | | | | | | | | | |
| Address\* | | |  | | | | | | | | | | | |
| Contact\* | | | Name\* |  | | | | | Telephone\* | | | | | |
| E-mail\* |  | | | | | | | | | | |
| **3.2 Manufacturer Information\*** | | | **Same as Applicant** | | | | | | | | | | | |
| Company Name\* | | |  | | | | | | | | | | | |
| Address\* | | |  | | | | | | | | | | | |
| **3.3 Product Information\*** | | | | | | | | | | | | | | |
| Design / Product Name\* | | |  | | | Model Number\*  **Maximum Length: 20**  **Invalid characters: , / \ \* = & ( ) @ : ; “ ‘ < >** | | | | | | | |  |
| Brand Name\* | | |  | | | BT Chip Model | | | | | | | |  |
| Hardware version\* | | |  | | | Software version\* | | | | | | | |  |
| Product Brief Description\* | | |  | | | | | | | | | | | |
| Product Type | | | End Product | | Others | | |  | | | | | | |
| Category | | | Audio and Visual Automotive Gaming Handheld Headset  Home Environment Input Devices Medical Phone Mobile Phone Accessory Office Equipment Personal Computer Unique Products  Software | | | | | | | | | | | |
| **4. Additional Information**  *(Note that fields 5 are required for* ***BQE Review*** *and that fields marked with an asterisk (\*) are* **necessary***.)* | | | | | | | | | | | | | | |
| User Manual**\*** | Circuit schematics & PCB/ Component Layout & Bill of materials etc.**\*** | | | | | | | | | | | | | |
| Software design documentation in the form of source code, software models, SDL, etc. | | | | | | | | | | | | | | |
| **5. SIG Information**  *(Note that fields 4 are required for* ***Listing*** *and that fields marked with an asterisk (\*) are* **necessary***.)* | | | | | | | | | | | | | | |
| SIG Member Type | | | Adopter  Associate  Promoter  Not yet (Refer field 6) | | | | | | | | | | | |
| User ID\* | | |  | | | User Key\* | | | |  | | | | |
| Available Declaration ID\* | | | Any available DID | | | Specified DID | | | | | | | Not yet (Refer to field 6) | |
| Product Website\* | | |  | | | | | | | | | | | |
| **6. Used Qualified Pre-tested Components** | | | | | | | | | | | | | | |
| Chipset QDID | | |  | | | | | | | | | | | |
| Module QDID | | |  | | | | | | | | | | | |
| Firmware Stack QDID | | |  | | | | | | | | | | | |
| Project/ ICS\* | | | Provide by BALUN  Provide by Client | | | | | | | | | | | |
| **7. Service Requirement** | | | | | | | | | | | | | | |
| SIG Membership Registration | | | No Required | | | Require Adopter | | | | | Require Associate | | | |
| Declaration ID Apply | | | Not Required | | | | | | | | | | | |
|  | | | BALUN Apply Invoice & Payment (BALUN 申请发票并代付款) | | | | | | | | | | | |
|  | | | BALUN Apply Invoice & Paid by Client (BALUN 申请发票客户支付) | | | | | | | | | | | |
| IIP Service | | | Not Required | | | BALUN Assist | | | | | | By Client | | |
| **Customer Confirmation** | | | | | | | | | | | | | | |
| Type of Service | | | Regular/常规 | | Express/加急[30% charge in additional] | | | | | | | | | |
|  | | | Immediate/特急 [100% charge in additional] | | | | | | | | | | | |
| Print Name: | | | Signature: | | | | Date: | | | | | | Remark: | |

###### 

###### Annex A RF-PHY ICS(Implementation Conformance Statement )

Annex A is required for ***Core 5.0/5.1/5.2 BLE***, and it is **necessary.**

###### Table 1: Bluetooth LE RF-PHY Capabilities

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Capability | Status | Support  [Yes] or [No] |
| 1 | LE Transmitter (Non-connectable,Broadcaster) | C.1 |  |
| 2 | LE Receiver (Non-connectable, Observer) | C.1 |  |
| 3 | LE Transceiver (Connectable, Peripheral/Central) | C.1 |  |
| 4 | LE 2M PHY | C.2 |  |
| 5 | Stable Modulation Index - Transmitter | C.3 |  |
| 6 | Stable Modulation Index - Receiver | C.4 |  |
| 7 | LE Coded PHY | C.2 |  |
| 8 | Transmitting Constant Tone Extensions | C.3 |  |
| 9 | 2 µs Antenna Switching During Constant Tone Extension Transmission (AoD) | C.5 |  |
| 10 | 1 µs Antenna Switching During Constant Tone Extension Transmission (AoD) | C.6 |  |
| 11 | 2 µs Antenna Sampling During Constant Tone Extension Reception (AoD) | C.4 |  |
| 12 | 2 µs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA) | C.7 |  |
| 13 | 1 µs Antenna Sampling During Constant Tone Extension Reception (AoA) | C.7 |  |
| 14 | 1 µs Antenna Switching and Sampling During Constant Tone Extension Reception (AoA) | C.8 |  |
| 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.  C.2: Excluded IF SUM ICS 21/14 “Core v4.2” is supported, otherwise Optional.  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.  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.  C.5: Optional IF RF PHY 1/8 “Transmitting Constant Tone Extensions” is supported, otherwise Excluded.  C.6: Optional IF RF-PHY 1/9 “2 μs Antenna Switching During Constant Tone Extension Transmission (AoD)” is supported, otherwise Excluded.  C.7: Optional IF RF PHY 1/11 “2 µs Antenna Sampling During Constant Tone Extension Reception (AoD)” is supported, otherwise Excluded.  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. | | | |

Table 2: Bluetooth LE Test Interface Capabilities

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Capability | Status | Support  [Yes] or [No] |
| 1 | HCI Test Interface | C.1 |  |
| 2 | UART Test Interface | C.1 |  |
| C.1: At least one of the capabilities shall be supported. | | | |