Check sheet for Type Certification

**1. Model Name** (which will be listed in the Certificate)

|  |
| --- |
|  |

**2. Equipment Configuration**

|  |  |
| --- | --- |
| Finished product in the housing | Board alone \* |

\* Note: Application for board alone is limited to 2.4GHz, 5GHz WLAN and wireless access systems, and sub-millimeter wave low power data communication systems.

**3-1. Applicant**

|  |  |
| --- | --- |
| Registered (Legal)  company name |  |
| Headquarter | Address (registered): |
| Phone : |
| President or CEO | Name : |
| Title : |
| Authorized person for  the application | Name : |
| Title : |
| Address : |
| Email : |
| Phone : |

**3-2. Contact person for inquires** (If different from the above Authorized person for the application)

|  |  |
| --- | --- |
| Person in charge | Name : |
| Job title : |
| e-mail : |
| Phone : |

**4. Vendor name**

(If there is a Brand name that will be listed on the Certificate.)

|  |  |
| --- | --- |
| Registered (Legal)  company name |  |

**5. Manufacturing factory** (If design and manufacturing are outsourced)

|  |  |  |
| --- | --- | --- |
| Company name |  | |
| Address |  | |
| ISO9001 Certificate \* | Yes | No |

\* The ISO9001 certification scope must include the manufacture of wireless devices.

\* If multiple factories are involved, all factory documents are required.

\* Please refer to Section 12 of the “7 Required Documents” at the end of this document.

**6. EUT Specification　(Check *ALL* applicable boxes)**

**6.1. License-free radio station**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Detail** | | | **Transmission & Specification** |
| 2.4GHz  (WLAN) | 802.11b | | 1ch - 13ch | 1TX  2TX  3TX　 4TX |
| 1ch - 11ch |
| 14ch\*1 | 1TX  2TX  3TX　 4TX |
| 802.11g | | 1ch - 13ch | 1TX  2TX  3TX  4TX |
| 1ch - 11ch |
| 802.11n (20MHz) | | 1ch - 13ch | 1TX  2TX  3TX  4TX |
| 1ch - 11ch |
| 802.11n (40MHz) \*1 | | 3ch - 11ch | 1TX  2TX  3TX  4TX |
| 3ch - 9ch |
| 5GHz  (WLAN) | 11a W52W53\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11a W56\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W53(20MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W56(20MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W53(40MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W56(40MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W53(80MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W56(80MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W53(160MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| 11n W56(160MHz)\*1 | | Master\*2  Slave | 1TX  2TX  3TX  4TX |
| Bluetooth | Chipset Vendor : ( )  Bluetooth Version : ( ) | | | BDR (GFSK : 1Mbps) |
| EDR (QPSK : 2Mbps, 8DPSK : 3Mbps) |
| AFH (Adaptive Frequency Hopping) |
| LE (Low Energy) |
| WAS  802.11j  (Low Power)  \*1 | 4.9 - 5GHz | 5MHz system  10MHz system  20MHz system  40MHz system | | 1TX  2TX  3TX  4TX |
| 4.9 - 5GHz  (802.11n) | 5MHz system  10MHz system  20MHz system  40MHz system | | 1TX  2TX  3TX  4TX |
| 5.03 - 5.091GHz \*3 | 5MHz system  10MHz system  20MHz system | | 1TX  2TX  3TX  4TX |
| Digital  Cordless\*1 | Narrow Band Digital Cordless, TDMA | | | Transceiver mode :　 Yes  No |
| Wide Band Digital Cordless, TDMA (DECT) | | |
| Digital Cordless, TD-OFDMA (sPHS) | | |
| Other | Frequency ( MHz ) | | | Modulation : |
| Output Power : |

\*1 Carrier Sense Function required. \*2 DFS Function required. \*3 We can use this band until 2012/11/30.

**6.2. Blanket License Station and License Station (Registration Station)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class** | **Detail** | | **Transmission & Specification** | |
| WAS  802.11j  (High Power)  \*1 | Base Station  Land Mobile Repeater | |  | |
| Land Mobile Station | |
| 4.9 - 5GHz | 5MHz system  10MHz system  20MHz system  40MHz system | 1TX  2TX  3TX  4TX | |
| 4.9 - 5GHz  (802.11n) | 5MHz system  10MHz system  20MHz system  40MHz system | 1TX  2TX  3TX  4TX | |
| 5.03 - 5.091GHz\*2 | 5MHz system  10MHz system  20MHz system | 1TX  2TX  3TX  4TX | |
| Cell Phone  **\*3** | Base Station  Repeater  Low power Repeater  Femtocell  Land Mobile Station | | band1 | ( 1922.6MHz - 1977.4MHz )  ( 2112.6MHz - 2167.4MHz ) |
| band6 | ( 832.4MHz - 837.6 MHz )  ( 877.4MHz - 882.6 MHz ) |
| WCDMA  HSPA | | band9 | ( 1752.4MHz - 1782.4MHz )  ( 1847.4MHz - 1877.4MHz ) |
| LTE(FDD) | |
| CDMAOne  EV-DO Rev.A 1X | | band11 | ( 1430.4MHz - 1460.4MHz )  ( 1468.4MHz - 1498.4MHz ) |
| CDMA2000  EV-DO Rev.B 3X | |
| NTT docomo  KDDI(au)  Softbank  Rakuten mobile  Other( ) | | BC0 | ( 824.76MHz - 829.23MHz )  ( 871.20MHz - 873.66MHz ) |
| BC3 | ( 898.75MHz - 900.25MHz,  915.75MHz - 924.25MHz )  (843.75MHz - 845.25MHz,  860.75MHz - 869.25MHz ) |
|  | | BC6 | ( 1926.25MHz - 1938.75MHz )  ( 2116.25MHz - 2128.75MHz ) |
| WiMAX  **\*3** | Base Station  Repeater  Low power Repeater  Femtocell  Land Mobile Station | |  | |
| UQ WiMAX | 5MHz system 10MHz system | 1TX  2TX | |
| Regional  WiMAX | 5MHz system 10MHz system | 1TX  2TX | |
| NGN PHS | 5MHz system 10MHz system | 1TX  2TX | |
| Other | Frequency (　　　 　　　 MHz ) | | Modulation: | |
| Output Power: | |

\*1 Carrier Sense Function required. \*2 This band can be used until 2012/11/30.

\*3　Please fill in the following, in case of Cell Phone or WiMAX application.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Switching Function | Circuit Switched (Voice)  Circuit Switched (Data)  Packet Switched (Data) | | | | |
| Originated/Answered Function | with Originated/Answered　 with Originated　 with Answered | | | | |
| Control Method | AT Command　 Other　(　　　　　　　　　　　　　　　　　　　　　　) | | | | |
| Max. Transmission Rate (Mbps) | Down Link : ( )Mbps Up Link : ( )Mbps | | | | |
| Environment (Working) | Min. Temp. | (　　　　　　)degree | Max. Temp. | (　　　　　　)degree | |
| Environment (Storing/Keeping) | Max. Humidity | (　　　　　　)percent |  |  |  |

**7. Required Documents**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Document | | Description |
| 1 | Application and Agreement | | ・Form FJP-TE050 for Construction Type Certification  ・Form FJP-TE049 for Technical Standard Conformity Certification |
| 2 | 2-1　Outline of Product | | ・Purpose of use, dimensions, power supply, structural explanation that cannot be easily opened, and contact information |
| 2-2　 Difference table | | ・For minor changes: Before/ After comparison table |
| 3 | Construction Design sheet | | ・Design specifications (Legal format) |
| 5 | 5-1 Block Diagram | | ・Block diagram of the entire device and wireless board part, showing important functions, basic signal flow of TX/RX, frequency configurations, as well as power supply voltage. |
| 5-2 Schematic Diagram | | ・Schematic Diagram of the entire device and the wireless board part (as a supplement to the Block Diagram) |
| 5-3 RFIC Data Sheet  (If needed) | | ・Showing wireless specifications, data rate, power supply voltage, terminal pin structure (as a supplement to the Block Diagram) |
| 6 | Parts List (BOM) | | ・Parts List for the entire device, and RF part, showing important ICs (RF, communication control, CPU), crystal oscillator, voltage regulator, etc. (Showing the function, model No., reference No.) |
| 7 | PCB layout | | ・Showing the placement of important parts (reference numbers corresponding to the Parts List), silk screen or photograph available |
| 8 | External/ Internal view | | ・Figures or photos showing the outer shape (top, bottom, right, left, front, back) and maximum dimensions  ・Figures or photos showing the inside (front and back of the PCB, inside the shield case, if applicable) |
| 9 | Antenna Data Sheet | | ・Maximum gain [dBi], structure and dimension drawing, 360 ° radiation pattern  ・List when using multiple antennas |
| 10 | Label Drawing | | ・Design and dimensions of Certification Label  (in the case of Type Certification) |
| 11 | Label location | | Drawing or photo showing where to display the Certification Label |
| 12 | 12-1 Quality Control organization | | Fill in our form FJP-TE025 which is "Confirmation method for Type Certification (assignment of quality control function)". |
| Either | 12-2 Copy of ISO 9001 Certificate | Copy(s) of the ISO 9001 Certificate that includes the manufacture of wireless devices, for each of the factories involved. |
| 12-3 Confirmation method for "Table-4" | If the factory does not have the above ISO9001 Certificate, use our form FJP-TE026 for the "Attached Table-4 of the Rules". |
| 13 | Either | 13-1 Test Sample  (Must be set to the Test Mode) | ・Prepare 2 sets ・With antenna connector for conduced measurement and power supply line ・Utility (driver) software to operate in Test Mode　・Test Mode instruction manual |
| 13-2 Test Report | Test Report that meets the requirements of ISO 17025, using a test method based on the Radio Law. |
| 14 | Operation Manual | | User's manual, specifications, or catalog. (Japanese or English)  Additional materials may be required depending on the content. |
| 15 | Tamperproof | | Explain that it cannot be easily modified due to the use of special screws, adhesives, fitting grooves/ claws, shield cases, or the package structure of the RF IC, etc. (supplement to item 2) |