



# RADIO EXPOSURE TEST REPORT

**FCC ID** : UDX-600201010  
**Equipment** : Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point  
**Brand Name** : CISCO  
**Model Name** : CW9176D1  
**Applicant** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Manufacturer** : Cisco Systems, Inc.  
170 West Tasman Drive, San Jose, CA 95134 USA  
**Standard** : 47 CFR Part 2.1091

The product was received on Mar. 07, 2024, and testing was started from Apr. 19, 2024 and completed on Sep. 03, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR Part 2.1091 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Rex Liao

**Sporton International Inc. Hsinchu Laboratory**

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## History of this test report

TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB-A1\_1 Ver1.1

Page Number : 3 of 27  
Issued Date : Dec. 19, 2025  
Report Version : 01



## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items          | Result (PASS/FAIL) | Remark |
|---------------|-----------------|---------------------|--------------------|--------|
| 2             | -               | Exposure evaluation | PASS               | -      |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by:** Sam Chen

**Report Producer:** Sophia Shiung



# 1 General Description

## 1.1 EUT General Information

| RF General Information                           |                                                  |                                                  |                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Evaluation Mode                                  | Frequency Range (MHz)                            | Operating Frequency (MHz)                        | Modulation Type                                                                                                                                                                                                                                                                 |
| 2.4GHz WLAN                                      | 2400-2483.5                                      | 2412-2462                                        | 802.11b: DSSS (DBPSK, DQPSK, CCK)<br>802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>VHT: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM) |
| 5GHz WLAN                                        | 5150-5250<br>5250-5350<br>5470-5725<br>5725-5850 | 5180-5250<br>5250-5320<br>5500-5720<br>5745-5825 | 802.11a/n: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)                                 |
| 6GHz WLAN<br>(Indoor Access Point & Subordinate) | 5925-7125                                        | 5955-7115                                        | 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)<br>802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)                                                                                                                                             |
| 6GHz WLAN<br>(Standard Power Access Point)       | 5925-6425 / 6525-6875                            | 5955-6415 / 6535-6855                            |                                                                                                                                                                                                                                                                                 |
| Bluetooth                                        | 2400-2483.5                                      | 2402-2480                                        | LE: GFSK                                                                                                                                                                                                                                                                        |
| Zigbee                                           | 2400-2483.5                                      | 2405-2480                                        | O-QPSK                                                                                                                                                                                                                                                                          |
| UWB                                              | 3100-10600                                       | 7987.2                                           | Pi/2 shift BPSK + DSSS                                                                                                                                                                                                                                                          |



## 1.2 Antenna Information

| Ant. | RF Port | Brand Name | Model Name   | Ant. Type | Connector | Gain (dBi)                                     | Modes of Operation                                                              |
|------|---------|------------|--------------|-----------|-----------|------------------------------------------------|---------------------------------------------------------------------------------|
| 1    | 4       | WNC        | 95XPAD15.G20 | Dipole    | I-PEX     | Note 1                                         | 2.4GHz,<br>5GHz UNII 1~2A<br>(Radio 1)                                          |
| 2    | 3       | WNC        | 95XPAD15.G21 | Dipole    | I-PEX     |                                                |                                                                                 |
| 3    | 1       | WNC        | 95XPAD15.G22 | Dipole    | I-PEX     |                                                |                                                                                 |
| 4    | 2       | WNC        | 95XPAD15.G23 | Dipole    | I-PEX     |                                                |                                                                                 |
| 5    | 1       | WNC        | 95XPAD15.G24 | Dipole    | I-PEX     |                                                | 5GHz UNII 1~3 or<br>UNII 2C~3 only<br>(Radio 2)                                 |
| 6    | 2       | WNC        | 95XPAD15.G24 | Dipole    | I-PEX     |                                                |                                                                                 |
| 7    | 3       | WNC        | 95XPAD15.G26 | Dipole    | I-PEX     |                                                |                                                                                 |
| 8    | 4       | WNC        | 95XPAD15.G26 | Dipole    | I-PEX     |                                                |                                                                                 |
| 9    | 1       | WNC        | 95XPAD15.G28 | Dipole    | I-PEX     |                                                | 6GHz UNII 5~8<br>(Radio 3)                                                      |
| 10   | 3       | WNC        | 95XPAD15.G30 | Dipole    | I-PEX     |                                                |                                                                                 |
| 11   | 4       | WNC        | 95XPAD15.G31 | Dipole    | I-PEX     |                                                | 2.4GHz,<br>5GHz UNII 1~3,<br>6GHz UNII 5~8<br>(Radio 4(Pine<br>Scanning radio)) |
| 12   | 2       | WNC        | 95XPAD15.G29 | Dipole    | I-PEX     |                                                |                                                                                 |
| 13   | 1       | WNC        | 95XPAD15.G34 | Dipole    | I-PEX     |                                                |                                                                                 |
| 14   | 2       | WNC        | 95XPAD15.G35 | Dipole    | I-PEX     |                                                | Bluetooth and<br>Zigbee<br>(Radio 5)                                            |
| 15   | 1       | WNC        | 95XPAD15.G32 | loop      | I-PEX     |                                                |                                                                                 |
| 16   | 1       | WNC        | 95XPAD15.G33 | PIFA      | I-PEX     | 1.16GHz~1.19GHz: 2.05<br>1.56GHz~1.59GHz: 1.92 | GPS<br>(Radio 6)                                                                |
| 17   | 1       | WNC        | 95XPAD15.G37 | Patch     | I-PEX     | 6.5                                            | UWB<br>(Radio 7)                                                                |
| 18   | 2       | WNC        |              |           | I-PEX     | 7.0                                            |                                                                                 |



Note 1:

| Ant. | Antenna Gain (dBi)                                                          |        |          |                               |          |          |          |          |          |
|------|-----------------------------------------------------------------------------|--------|----------|-------------------------------|----------|----------|----------|----------|----------|
|      | WLAN 2.4GHz<br>(Radio 1)                                                    |        |          | WLAN 5GHz UNII 1~2A (Radio 1) |          |          |          |          |          |
|      |                                                                             |        |          | 5.2GHz                        |          |          | 5.3GHz   |          |          |
| 1    | 6.7                                                                         |        |          | 4.23                          |          |          | 4.64     |          |          |
| 2    | 6.96                                                                        |        |          | 5.45                          |          |          | 5.05     |          |          |
| 3    | 6.72                                                                        |        |          | 6.52                          |          |          | 5.7      |          |          |
| 4    | 6.96                                                                        |        |          | 4.06                          |          |          | 4.21     |          |          |
| Ant. | WLAN 5GHz UNII 1~3 (Radio 2)                                                |        |          |                               |          |          |          |          |          |
|      | 5.2GHz                                                                      |        | 5.3GHz   |                               | 5.6GHz   |          | 5.785GHz |          |          |
|      | 6.21                                                                        |        | 5.73     |                               | 7.11     |          | 6.39     |          |          |
| 5    | 6.21                                                                        |        | 5.73     |                               | 7.11     |          | 6.39     |          |          |
| 6    | 4.56                                                                        |        | 4.46     |                               | 5.7      |          | 6.19     |          |          |
| 7    | 5.8                                                                         |        | 5.89     |                               | 7.2      |          | 6.62     |          |          |
| 8    | 3.9                                                                         |        | 4.02     |                               | 5.38     |          | 5.11     |          |          |
| Ant. | WLAN 6GHz UNII 5~8 (Radio 3)                                                |        |          |                               |          |          |          |          |          |
|      | 6.175GHz                                                                    |        | 6.475GHz |                               | 6.695GHz |          | 6.995GHz |          |          |
|      | 5.86                                                                        |        | 7.14     |                               | 6.85     |          | 6.41     |          |          |
| 9    | 5.86                                                                        |        | 7.14     |                               | 6.85     |          | 6.41     |          |          |
| 10   | 5.4                                                                         |        | 6.24     |                               | 5.99     |          | 5.87     |          |          |
| 11   | 5.64                                                                        |        | 6.22     |                               | 5.45     |          | 6.4      |          |          |
| 12   | 5.54                                                                        |        | 6.43     |                               | 5.64     |          | 6.44     |          |          |
| Ant. | WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz UNII 5~8 (Radio 4(Pine Scanning radio)) |        |          |                               |          |          |          |          |          |
|      | 2.45GHz                                                                     | 5.2GHz | 5.3GHz   | 5.6GHz                        | 5.785GHz | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
|      | 8.02                                                                        | 3.93   | 4.57     | 5.47                          | 5.9      | 7.71     | 7.64     | 6.98     | 6.54     |
| 13   | 8.02                                                                        | 3.93   | 4.57     | 5.47                          | 5.9      | 7.71     | 7.64     | 6.98     | 6.54     |
| 14   | 8.15                                                                        | 4.82   | 4.94     | 4.26                          | 5.26     | 6.47     | 7.73     | 6.59     | 6.5      |
| Ant. | Bluetooth/Zigbee (Radio 5)                                                  |        |          |                               |          |          |          |          |          |
|      | 6.92                                                                        |        |          |                               |          |          |          |          |          |
| 15   |                                                                             |        |          |                               |          |          |          |          |          |

Note 2:

| Item | Directional Gain (dBi)                                      |        |        |                               |          |          |          |          |
|------|-------------------------------------------------------------|--------|--------|-------------------------------|----------|----------|----------|----------|
|      | WLAN 2.4GHz<br>(Radio 1)                                    |        |        | WLAN 5GHz UNII 1~2A (Radio 1) |          |          |          |          |
|      |                                                             |        |        | 5.2GHz                        |          |          | 5.3GHz   |          |
| 2T1S | 8.53                                                        |        |        | 6.52                          |          |          | 5.7      |          |
| 2T2S | 6.96                                                        |        |        | 6.52                          |          |          | 5.7      |          |
| 4T1S | 10.12                                                       |        |        | 8.28                          |          |          | 8.25     |          |
| 4T2S | 7.12                                                        |        |        | 6.52                          |          |          | 5.7      |          |
| 4T4S | 6.96                                                        |        |        | 6.52                          |          |          | 5.7      |          |
| Item | WLAN 5GHz UNII 1~3 (Radio 2) / WLAN 6GHz UNII 5~8 (Radio 3) |        |        |                               |          |          |          |          |
|      | 5.2GHz                                                      | 5.3GHz | 5.6GHz | 5.785GHz                      | 6.175GHz | 6.475GHz | 6.695GHz | 6.995GHz |
| 2T1S | 6.68                                                        | 6.22   | 7.11   | 6.88                          | 6.49     | 7.14     | 6.85     | 6.66     |
| 2T2S | 6.21                                                        | 5.73   | 7.11   | 6.39                          | 5.86     | 7.14     | 6.85     | 6.44     |
| 4T1S | 8.67                                                        | 8.73   | 9.22   | 9.47                          | 8.32     | 9.43     | 8.69     | 8.92     |
| 4T2S | 6.21                                                        | 5.89   | 7.2    | 6.62                          | 5.86     | 7.14     | 6.85     | 6.44     |
| 4T4S | 6.21                                                        | 5.89   | 7.2    | 6.62                          | 5.86     | 7.14     | 6.85     | 6.44     |

Note 3: The above information (excepting Ant. 1~15 antenna gain and directional gain) was declared by manufacturer.

Note 4: Radio 1~3: Maximum Directional Gain following KDB662911 D03.

## For Radio 1

For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX) and  
For 5GHz (UNII 1~2A) IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):

### 1TX

Only Port 1 can be use as transmitting antenna.

### 2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

### 4TX

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

### 4RX

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

**For Radio 2****For 5GHz (UNII 1~3 or UNII 2C~3):****For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

**2TX**

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

**4TX**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

**4RX**

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

**For Radio 3****For 6GHz (UNII 5~8):****For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

**2TX**

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

**4TX**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

**4RX**

Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

**For Radio 4(Pine Scanning radio)****For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):**

Only Port 1 can be used as transmitting/receiving functions.

Port 1~2 could receive simultaneously.

**For 5GHz (UNII 1~3):****For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

Only Port 1 can be used as transmitting/receiving functions.

Port 1~2 could receive simultaneously.

**For 6GHz (UNII 5~8):****For IEEE 802.11ax mode (1TX/2RX):**

Only Port 1 can be used as transmitting/receiving functions.

Port 1~2 could receive simultaneously.

**For Radio 5:****For Bluetooth/Zigbee mode (1TX/1RX)**

Only Port 1 can be used as transmitting/receiving functions.

**For Radio 6:****For GPS (1TX/1RX)**

Only Port 1 can be used as transmitting/receiving functions.

**For Radio 7:****For UWB (1TX/2RX)**

Only Port 1 can be used as transmitting functions.

Port 1~2 can be used as receiving antennas.

Port 1~2 could receive simultaneously.

### 1.3 Table for Radio function

| Radio \ Function           | WLAN 2.4GHz | WLAN 5GHz           | WLAN 6GHz                                         |               | BT | Zigbee | GPS | UWB |
|----------------------------|-------------|---------------------|---------------------------------------------------|---------------|----|--------|-----|-----|
|                            |             |                     | Indoor Access Point & Standard Power Access Point | Subordinate   |    |        |     |     |
| 1                          | ✓           | ✓ (UNII 1~2A)       | -                                                 | -             | -  | -      | -   | -   |
| 2                          | -           | ✓ (UNII 2C~3 / 1~3) | -                                                 | -             | -  | -      | -   | -   |
| 3                          | -           | -                   | ✓                                                 | ✓ (Meraki SW) | -  | -      | -   | -   |
| 4<br>(Pine Scanning radio) | ✓           | ✓ (UNII 1~3)        | ✓                                                 | -             | -  | -      | -   | -   |
| 5                          | -           | -                   | -                                                 | -             | ✓  | ✓      | -   | -   |
| 6                          | -           | -                   | -                                                 | -             | -  | -      | ✓   | -   |
| 7                          | -           | -                   | -                                                 | -             | -  | -      | -   | ✓   |

Note 1: The above information was declared by manufacturer.

Note 2: For WLAN 2.4GHz: The Radio 1 and Radio 4 (Pine Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 1, 2 and Radio 4 (Pine Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 3 and Radio 4 (Pine Scanning radio) can't operate at the same frequency simultaneously.

### 1.4 Table for Multiple Listing

| Equipment Name                                    | Model Name | Frequencies supported by 320MHz        | SW     |
|---------------------------------------------------|------------|----------------------------------------|--------|
| Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point | CW9176D1   | 6105, 6265, 6425, 6745 MHz             | Cisco  |
|                                                   |            | 6105, 6265, 6425, 6585, 6745, 6905 MHz | Meraki |

Note 1: The Standard Power Access Point mode does not support bandwidth 320 MHz.

Note 2: The above information was declared by manufacturer.

### 1.5 Table for EUT Support Function

| Function                              | SW             | 6GHz Mode                                         | Support Band                                                       |
|---------------------------------------|----------------|---------------------------------------------------|--------------------------------------------------------------------|
| AP Router                             | Cisco & Meraki | Indoor Access Point & Standard Power Access Point | 2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8, Bluetooth, Zigbee, UWB & GPS |
| Mesh                                  | Meraki         | Subordinate                                       | 6GHz UNII 5~8                                                      |
| CURWB P2MP Master                     | Cisco          | Indoor Access Point                               | 5GHz UNII 1~3 & 6GHz UNII 5~8                                      |
| CURWB P2MP Slave with radar detection | Cisco          | N/A                                               | 5GHz UNII 1~3                                                      |

Note 1: For Indoor Access Point and Subordinate modes, the Indoor Access Point mode was selected as representative mode for testing.

Note 2: The above information was declared by manufacturer.



## 1.6 Table for EUT Operation Function

| Mode | Operation Function                                                                                                                                             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB           |
| 2    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB              |
| 3    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB             |
| 4    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB              |
| 5    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB                |
| 6    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB                |
| 7    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB            |
| 8    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB              |
| 9    | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB              |
| 10   | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB               |
| 11   | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB                 |
| 12   | Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB                 |
| 13   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB |
| 14   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB    |
| 15   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB   |
| 16   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB    |
| 17   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB      |
| 18   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB      |
| 19   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB  |
| 20   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB    |
| 21   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB    |
| 22   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB     |
| 23   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB       |
| 24   | Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB       |

Note: The above information was declared by manufacturer.



## 1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FA430535-16AB.

Below is the table for the change of the product with respect to the original one.

| Modifications                                                                                                                                                                                                   | Performance Checking                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Enabling Cisco Ultra-Reliable Wireless Backhaul (CURWB) feature which supports P2MP Master in 5GHz UNII 1~3 and 6GHz UNII 5~8 (Indoor Access Point only), and P2MP Slave with radar detection in 5GHz UNII 1~3. | After evaluation, it does not need to re-test. |

Note: All the test results are based on the original test report.

## 1.8 Accessories

Bracket\*1

## 1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2.1091
  - ♦ KDB 447498 D04 Interim General RF Exposure Guidance v01
- The following reference test guidance is not within the scope of accreditation of TAF.
- ♦ 47 CFR Part 1.1307
  - ♦ 47 CFR Part 1.1310

## 1.10 Testing Location

| Testing Location Information                              |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| Test Lab. : Sporton International Inc. Hsinchu Laboratory |                                                                                    |
| Hsinchu                                                   | ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.) |
| (TAF: 3787)                                               | TEL: 886-3-656-9065 FAX: 886-3-656-9085                                            |
|                                                           | Test site Designation No. TW3787 with FCC.                                         |
|                                                           | Conformity Assessment Body Identifier (CABID) TW3787 with ISED.                    |



## 2 Maximum Permissible Exposure

### 2.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-3.0               | 614                               | 1.63                              | *(100)                                   | <6                                                               |
| 3.0-30                | 1842/f                            | 4.89/f                            | *(900/f <sup>2</sup> )                   | <6                                                               |
| 30-300                | 61.4                              | 0.163                             | 1.0                                      | <6                                                               |
| 300-1500              | -                                 | -                                 | f/300                                    | <6                                                               |
| 1500-100,000          | -                                 | -                                 | 5                                        | <6                                                               |

(B) Limits for General Population / Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-1.34              | 614                               | 1.63                              | *(100)                                   | <30                                                              |
| 1.34-30               | 824/f                             | 2.19/f                            | *(180/f <sup>2</sup> )                   | <30                                                              |
| 30-300                | 27.5                              | 0.073                             | 0.2                                      | <30                                                              |
| 300-1500              | -                                 | -                                 | f/1500                                   | <30                                                              |
| 1500-100,000          | -                                 | -                                 | 1.0                                      | <30                                                              |

Note: f = frequency in MHz ; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Method

The MPE was calculated at 63 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

**E** = Electric field (V/m)

**P** = RF output power (W)

**G** = EUT Antenna numeric gain (numeric)

**d** = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$



## 2.3 MPE Exemption

Option (A): 1.1307(b)(3)(i)(A): Available maximum time-averaged power is < 1 mW

Option (B): 1.1307(b)(3)(i)(B): Device operates between 300 MHz and 6 GHz and the maximum time-averaged power or effective radiated power (ERP), whichever is greater, <= Pth.

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

$d$  = the separation distance (cm);

Option (C): 1.1307(b)(3)(i)(C): ERP is below a threshold calculated based on the distance

$R$  between the person and the antenna / radiating structure, where  $R > \lambda / 2 \pi$ .

| Single RF Sources Subject to Routine Environmental Evaluation |                       |
|---------------------------------------------------------------|-----------------------|
| RF Source frequency (MHz)                                     | Threshold ERP (watts) |
| 0.3-1.34                                                      | $1,920 R^2$ .         |
| 1.34-30                                                       | $3,450 R^2/f^2$ .     |
| 30-300                                                        | $3.83 R^2$ .          |
| 300-1,500                                                     | $0.0128 R^2 f$ .      |
| 1,500-100,000                                                 | $19.2 R^2$ .          |
| Note: $R$ is in meters, $f$ is in MHz.                        |                       |



## 2.4 Calculated Result and Limit

### Exposure Environment: General Population / Uncontrolled Exposure

| Mode                   | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)     | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio 1)     | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.3G;D1D (Radio 1)     | 8.25     | 21.71       | 27.81     | 0.03           | 608.135          | 63            | C      | 7620.5      | 0.0798   |
| 5.2G;D1D (Radio 2)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.3G;D1D (Radio 2)     | 6.22     | 23.73       | 27.80     | 0.04           | 608.135          | 63            | C      | 7620.5      | 0.0798   |
| 5.6G;D1D (Radio 2)     | 7.11     | 22.81       | 27.77     | 0.07           | 608.135          | 63            | C      | 7620.5      | 0.0798   |
| 5.8G;D1D (Radio 2)     | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.2G;D1D (6ID/Radio 3) | 6.49     | -           | 27.01     | 0.50           | 563.638          | 63            | C      | 7620.5      | 0.0740   |
| 6.4G;D1D (6ID/Radio 3) | 7.14     | -           | 26.14     | 0.50           | 461.318          | 63            | C      | 7620.5      | 0.0606   |
| 6.7G;D1D (6ID/Radio 3) | 6.85     | -           | 27.11     | 0.50           | 576.766          | 63            | C      | 7620.5      | 0.0757   |
| 7.0G;D1D (6ID/Radio 3) | 6.66     | -           | 23.80     | 0.50           | 269.153          | 63            | C      | 7620.5      | 0.0353   |
| 6.2G;D1D (6SD/Radio 3) | 5.86     | -           | 30.02     | 0.50           | 1127.197         | 63            | C      | 7620.5      | 0.1480   |
| 6.7G;D1D (6SD/Radio 3) | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)     | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 5.2G;D1D (Radio 4)     | 3.93     | 21.64       | 23.42     | 0.50           | 246.604          | 63            | C      | 7620.5      | 0.0324   |
| 5.3G;D1D (Radio 4)     | 4.57     | 21.25       | 23.67     | 0.50           | 261.216          | 63            | C      | 7620.5      | 0.0343   |
| 5.6G;D1D (Radio 4)     | 5.47     | 22.99       | 26.31     | 0.50           | 479.733          | 63            | C      | 7620.5      | 0.0630   |
| 5.8G;D1D (Radio 4)     | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 6.2G;D1D (6ID/Radio 4) | 7.71     | 10.89       | 16.45     | 0.50           | 49.545           | 63            | C      | 7620.5      | 0.0065   |
| 6.4G;D1D (6ID/Radio 4) | 7.64     | 10.88       | 16.37     | 0.50           | 48.641           | 63            | C      | 7620.5      | 0.0064   |
| 6.7G;D1D (6ID/Radio 4) | 6.98     | 11.72       | 16.55     | 0.50           | 50.699           | 63            | C      | 7620.5      | 0.0067   |
| 7.0G;D1D (6ID/Radio 4) | 6.54     | 12.12       | 16.51     | 0.50           | 50.234           | 63            | C      | 7620.5      | 0.0066   |
| 6.2G;D1D (6SD/Radio 4) | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 6.7G;D1D (6SD/Radio 4) | 6.98     | 22.99       | 27.82     | 0.50           | 679.204          | 63            | C      | 7620.5      | 0.0892   |



| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;BT-LE (Radio 5)        | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |

Note:

| Mode             | EIRP PSD-AV (dBm/MHz) | OBW (MHz) | EIRP (dBm) | ERP (dBm) |
|------------------|-----------------------|-----------|------------|-----------|
| 8G;D1D (Radio 7) | -41.59                | 632.368   | -13.58     | -15.73    |

**Simultaneous Transmission Analysis Mode:**

Mode 1: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)   | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.96001  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 2: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)   | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.88851  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |



Mode 3: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)   | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.91961  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 4: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)          | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.97851  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 5: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)          | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.90701  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |

Mode 6: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)          | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.93811  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 7: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)   | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.96001  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 8: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)   | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.88851  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |



Mode 9: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)   | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)   | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.91961  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 10: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)          | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.97851  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 11: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)          | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.90701  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |

Mode 12: Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 2.4G;D1D (Radio 1)          | 10.12    | 25.75       | 33.72     | 0.12           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)          | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.93811  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 13: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)   | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.96001  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 14: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)   | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.88851  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |



Mode 15: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)   | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)   | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.91961  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 16: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)          | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.97851  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 17: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)          | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.90701  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |

Mode 18: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.8G;D1D (Radio 2)          | 9.47     | 26.35       | 33.67     | 0.17           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)          | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.93811  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 19: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)   | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.96001  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 20: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)   | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.88851  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |



Mode 21: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB

| Mode                 | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|----------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)   | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)     | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)   | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)   | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;BT-LE (Radio 5) | 6.92     | 16.62       | 21.39     | 0.50           | 154.525          | 63            | C      | 7620.5      | 0.0203   |
| 8G;D1D (Radio 7)     | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C       | 0.91961  |             |           |                |                  |               |        |             |          |
| Ratio Limit          | 1        |             |           |                |                  |               |        |             |          |

Mode 22: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio  
4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 2.4G;G1D (Radio 4)          | 8.02     | 23.93       | 29.80     | 0.50           | 1071.519         | 63            | C      | 7620.5      | 0.1407   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.97851  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |



Mode 23: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 5.8G;D1D (Radio 4)          | 5.90     | 22.97       | 26.72     | 0.50           | 527.230          | 63            | C      | 7620.5      | 0.0692   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.90701  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |

Mode 24: Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz +  
Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

| Mode                        | DG (dBi) | Power (dBm) | ERP (dBm) | Tolerance (dB) | Tune-up ERP (mW) | Distance (cm) | Option | TL ERP (mW) | TL Ratio |
|-----------------------------|----------|-------------|-----------|----------------|------------------|---------------|--------|-------------|----------|
| 5.2G;D1D (Radio 1)          | 8.28     | 27.58       | 33.71     | 0.13           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 5.2G;D1D (Radio)            | 8.67     | 27.29       | 33.81     | 0.03           | 2421.029         | 63            | C      | 7620.5      | 0.3178   |
| 6.7G;D1D (Radio 3)          | 6.85     | -           | 30.45     | 0.50           | 1244.515         | 63            | C      | 7620.5      | 0.1634   |
| 6.2G;D1D (Radio 4)          | 7.71     | 22.77       | 28.33     | 0.50           | 763.836          | 63            | C      | 7620.5      | 0.1003   |
| 2.4G;G1D (Radio 5 / Zigbee) | 6.92     | 19.44       | 24.21     | 0.50           | 295.801          | 63            | C      | 7620.5      | 0.0388   |
| 8G;D1D (Radio 7)            | 7.00     | -           | -15.73    | 0.50           | 0.030            | 63            | C      | 7620.5      | 0.00001  |
| Sum TL Ratio_C              | 0.93811  |             |           |                |                  |               |        |             |          |
| Ratio Limit                 | 1        |             |           |                |                  |               |        |             |          |

————THE END————