

Radio Exposure Evaluation Report

FCC ID : M82-AIW-172
Equipment : Wi-Fi 7 AIW-172 module
Brand Name : ADVANTECH
Model Name : AIW-172BQ-GI1, AIW-172BQ-GC1
Applicant : Advantech Co Ltd
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District,
Taipei, 114 Taiwan
Manufacturer : Advantech Co., Ltd.
No. 1, Alley 20, Lane 26, Rueiguang Road Neihu District,
Taipei, 114 Taiwan
Standard : 47 CFR FCC Part 2 Subpart J, section 2.1091

The product was received on Nov. 21, 2025, and testing was started from Mar. 03, 2026 and completed on May 26, 2026. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in 47 CFR FCC Part 2 Subpart J, section 2.1091 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory
No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Applicable Standards	8
1.3 Testing Location	8
2 MAXIMUM PERMISSIBLE EXPOSURE	9
2.1 Limit of Maximum Permissible Exposure	9
2.2 RF Exposure Exempt Measurement	10
2.3 Multiple RF Sources Exposure.....	11
2.4 MPE Calculation Method	12
2.5 Calculated Result and Limit.....	13

Photographs of EUT V01

History of this test report

[illegible]



Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

None

Reviewed by: Ben Tseng

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 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) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) VHT: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
5GHz WLAN	5150-5250 5250-5350 5470-5725 5725-5850	5180-5240 5260-5320 5500-5720 5745-5825	802.11a/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
6GHz WLAN	5925-7125	5955-7115	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
Bluetooth	2400-2483.5	2402-2480	BR / EDR: FHSS (GFSK / $\pi/4$ -DQPSK / 8DPSK) LE: DSSS (GFSK)

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Advantech	AIW-512-I	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
2	Advantech	AIW-512-C	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
3	Advantech	AIW-511	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
4	Advantech	AIW-513	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
5	Advantech	AIW-514	Dipole	Reverse SMA	2.4G+5G+6G+BT	-
6	Advantech	AIW-515	PIFA	Reverse SMA	2.4G+5G+6G+BT	-
7	Advantech	RFA-27-JP818P2-4B500	PIFA	IPEX4	2.4G+5G+6G+BT	-
8	Advantech	RFA-27-AP570-4B-C191	Dipole	IPEX4	2.4G+5G+6G+BT	-

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
1-1	1	2.87	3.11	3.22	2.87
1-2	2	2.87	3.11	3.22	2.87
2-1	1	2.87	3.11	3.22	2.87
2-2	2	2.87	3.11	3.22	2.87
3-1	1	2.28	2.64	3.28	2.28
3-2	2	2.28	2.64	3.28	2.28
4-1	1	1.48	3.58	4.04	1.48
4-2	2	1.48	3.58	4.04	1.48
5	1	1.59	2.19	1.66	1.59
	2	1.58	2.56	2.99	1.58
6	1	1.56	2.36	1.89	1.56
	2	1.58	3.02	2.87	1.58
7-1	1	3.51	4.79	5.08	3.51
7-2	2	3.51	4.79	5.08	3.51
8-1	1	2.6	4.75	4.89	2.6
8-2	2	2.6	4.75	4.89	2.6

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX)

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX)

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 a/ax/be mode (2TX/2RX)

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (2TX/2RX)

Ant. 1-1 and Ant 1-2 or Ant 2-1 and Ant 2-2 or Ant 3-1 and Ant 3-2 or Ant 4-1 and Ant 4-2 or Ant 5 or Ant 6 or Ant 7-1 and Ant 7-2 or Ant 8-1 and Ant 8-2 could transmit/receive simultaneously.

Note 1: Directional gain information

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{BT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

1.1.3 Table for Multiple Listing

The model names in the following table are all refer to the identical product.

Model Name	Operating Temperature	BT interface
AIW-172BQ-GI1	-40°C~85°	UART
AIW-172BQ-GC1	0~70°C	USB

From the above models, AIW-172BQ-GI1 was selected as representative model for the test and its data was recorded in this report.

1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 2 Subpart J, section 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

1.3 Testing Location

Test Lab. : Sporton International Inc. Hsinhua Laboratory			
☒	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)	
		TEL: 886-3-327-3456	FAX: 886-3-327-0973
Test site Designation No. TW3785 with FCC.			
☐	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)	
		TEL: 886-3-318-0787	FAX: 886-3-318-0287
Test site Designation No. TW0008 with FCC.			

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 ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f ²)*	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 ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	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

Multiple Transmitters Condition

Co-location as simultaneously transmitting (co-transmitting) and the evaluation shall be consider that simultaneous transmissions from co-located devices the individual transmitters are evaluated separately. After sum of the individual value (basic restriction / reference level) are measured/calculated also have to under basic restriction / reference level.

Co-transmitting mode:

Bluetooth+WLAN 2.4GHz

Bluetooth+WLAN 5GHz

Bluetooth+WLAN 6GHz

2.2 RF Exposure Exempt Measurement

Option	Refer Std.	Exemption Exposure Thresholds (TL)
A	§1.1307(b)(3)(i)(A)	Available maximum time-averaged power is no more than 1 mW
B	§1.1307(b)(3)(i)(B)	$P_{th}(mW) = \begin{cases} ERP_{20cm} (d / 20cm)^x \rightarrow d \leq 20cm \\ ERP_{20cm} \rightarrow 20cm < d \leq 40cm \end{cases}$ $x = -\log_{10} \left(\frac{60}{ERP_{20cm} \sqrt{f}} \right) \text{ and } f \text{ is in GHz}$ $\begin{cases} ERP_{20cm} : 0.3GHz \leq f < 1.5GHz \rightarrow 2040 f(mW) \\ ERP_{20cm} : 1.5GHz \leq f \leq 6GHz \rightarrow 3060(mW) \end{cases}$
C	§1.1307(b)(3)(i)(C)	$\begin{cases} 0.3 \sim 1.34MHz \rightarrow ERP(W) = 1920 R^2 \\ 1.34 \sim 30MHz \rightarrow ERP(W) = 3450 R^2 / f^2 \\ 30 \sim 300MHz \rightarrow ERP(W) = 3.83R^2 \\ 300 \sim 1500MHz \rightarrow ERP(W) = 0.0128 R^2 f \\ 1500 \sim 100000MHz \rightarrow ERP(W) = 19.2R^2 \end{cases}$ f is in MHz; R is in m; $R > \lambda / 2\pi$

2.3 Multiple RF Sources Exposure

Refer Std.	Exemption Exposure Thresholds (TL)
§1.1307(b)(3)(ii)(A)	The available maximum time-averaged power of each source is no more than 1 mW and there is a separation distance of two centimeters between any portion of a radiating structure operating and the nearest portion of any other radiating structure in the same device, except if the sum of multiple sources is less than 1 mW during the time-averaging period, in which case they may be treated as a single source (separation is not required)
§1.1307(b)(3)(ii)(B)	$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k} \leq 1$ a = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(B) of this section for P , including existing exempt transmitters and those being added. b = number of fixed, mobile, or portable RF sources claiming exemption using paragraph §1.1307(b)(3)(i)(C) of this section for Threshold ERP, including existing exempt transmitters and those being added. c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters. P_i = the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive). $P_{th,i}$ = the exemption threshold power (P_{th}) according to paragraph §1.1307(b)(3)(i)(B) of this section for fixed, mobile, or portable RF source i. ERP_j = the ERP of fixed, mobile, or portable RF source j. $ERP_{th,j}$ = exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least $\lambda/2\pi$ according to the applicable formula of paragraph §1.1307(b)(3)(i)(C) of this section. $Evaluated_k$ = the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure. $Evaluated Limit_k$ = either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable RF source k, as applicable from § 1.1310 of this chapter.



2.4 MPE Calculation Method

The MPE was calculated at 20 cm to show compliance with the power density limit.
The following formula was used to calculate the Power Density:

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

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

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



2.5 Calculated Result and Limit

Exposure Environment: General Population / Uncontrolled Exposure

< Non-Beamforming >

2.4GHz WLAN_Non-Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	2.87	21.77	22.49	0.50	199.067	20	B	3060.0	0.0651
2.4G;D1D	2.87	23.02	23.74	0.50	265.461	20	B	3060.0	0.0868

2.4GHz WLAN_Non-Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.51	22.09	23.45	0.50	248.313	20	B	3060.0	0.0812
2.4G;D1D	3.51	23.02	24.38	0.50	307.610	20	B	3060.0	0.1006

5GHz WLAN_Non-Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.75	20.86	23.46	0.50	248.886	20	B	3060.0	0.0814
5.3G;D1D	4.75	20.87	23.47	0.50	249.459	20	B	3060.0	0.0816
5.6G;D1D	4.75	20.33	22.93	0.50	220.293	20	B	3060.0	0.0720
5.8G;D1D	4.75	20.22	22.82	0.50	214.783	20	B	3060.0	0.0702

5GHz WLAN_Non-Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.79	20.86	23.50	0.50	251.189	20	B	3060.0	0.0821
5.3G;D1D	4.79	20.87	23.51	0.50	251.768	20	B	3060.0	0.0823
5.6G;D1D	4.79	20.33	22.97	0.50	222.331	20	B	3060.0	0.0727
5.8G;D1D	4.79	20.22	22.86	0.50	216.770	20	B	3060.0	0.0709

6GHz WLAN_Non-Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	4.89	14.63	17.37	0.50	61.235	20	C	768.007	0.0798
6.4G;D1D	4.89	14.62	17.36	0.50	61.094	20	C	768.007	0.0796
6.7G;D1D	4.89	14.78	17.52	0.50	63.387	20	C	768.007	0.0826
7.0G;D1D	4.89	12.94	15.68	0.50	41.495	20	C	768.007	0.0540

6GHz WLAN_Non-Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	5.08	15.44	18.37	0.50	77.090	20	C	768.007	0.1004
6.4G;D1D	5.08	14.58	17.51	0.50	63.241	20	C	768.007	0.0824
6.7G;D1D	5.08	14.75	17.68	0.50	65.766	20	C	768.007	0.0857
7.0G;D1D	5.08	12.73	15.66	0.50	41.305	20	C	768.007	0.0538

**Bluetooth_Dipole**

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	2.87	13.82	14.54	0.50	31.915	20	B	3060.0	0.0104
2.4G;BT-BR	2.87	15.43	16.15	0.50	46.238	20	B	3060.0	0.0151
2.4G;BT-EDR	2.87	12.28	13.00	0.50	22.387	20	B	3060.0	0.0073

Bluetooth_PIFA

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	3.51	13.82	15.18	0.50	36.983	20	B	3060.0	0.0121
2.4G;BT-BR	3.51	15.43	16.79	0.50	53.580	20	B	3060.0	0.0175
2.4G;BT-EDR	3.51	12.28	13.64	0.50	25.942	20	B	3060.0	0.0085



< Beamforming >

2.4GHz WLAN_Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	5.88	22.22	25.95	0.50	441.570	20	B	3060.0	0.1444

2.4GHz WLAN_Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	6.52	22.22	26.59	0.50	511.682	20	B	3060.0	0.1673

5GHz WLAN_Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	7.76	20.86	26.47	0.50	497.737	20	B	3060.0	0.1627
5.3G;D1D	7.76	20.87	26.48	0.50	498.884	20	B	3060.0	0.1631
5.6G;D1D	7.76	20.33	25.94	0.50	440.555	20	B	3060.0	0.1440
5.8G;D1D	7.76	20.22	25.83	0.50	429.536	20	B	3060.0	0.1404

5GHz WLAN_Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	7.80	20.86	26.51	0.50	502.343	20	B	3060.0	0.1642
5.3G;D1D	7.80	20.87	26.52	0.50	503.501	20	B	3060.0	0.1646
5.6G;D1D	7.80	20.33	25.98	0.50	444.631	20	B	3060.0	0.1454
5.8G;D1D	7.80	20.22	25.87	0.50	433.511	20	B	3060.0	0.1417

6GHz WLAN_Beamforming_Dipole

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	7.90	14.63	20.38	0.50	122.462	20	C	768.007	0.1595
6.4G;D1D	7.90	14.62	20.37	0.50	122.180	20	C	768.007	0.1591
6.7G;D1D	7.90	14.78	20.53	0.50	126.765	20	C	768.007	0.1651
7.0G;D1D	7.90	12.94	18.69	0.50	82.985	20	C	768.007	0.1081

6GHz WLAN_Beamforming_PIFA

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	8.09	15.44	21.38	0.50	154.170	20	C	768.007	0.2007
6.4G;D1D	8.09	14.58	20.52	0.50	126.474	20	C	768.007	0.1647
6.7G;D1D	8.09	14.75	20.69	0.50	131.522	20	C	768.007	0.1713
7.0G;D1D	8.09	12.73	18.67	0.50	82.604	20	C	768.007	0.1076

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)



Simultaneous Transmission Analysis Mode:

Bluetooth+WLAN 2.4GHz

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	6.52	22.22	26.59	0.50	511.682	20	B	3060.0	0.1673
2.4G;BT-BR	3.51	15.43	16.79	0.50	53.580	20	B	3060.0	0.0175
Sum TL Ratio_B	0.1848								
Ratio Limit	1								

Bluetooth+WLAN 5GHz

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.3G;D1D	7.80	20.87	26.52	0.50	503.501	20	B	3060.0	0.1646
2.4G;BT-BR	3.51	15.43	16.79	0.50	53.580	20	B	3060.0	0.0175
Sum TL Ratio_B	0.1821								
Ratio Limit	1								

Bluetooth+WLAN 6GHz

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	8.09	15.44	21.38	0.50	154.170	20	C	768.007	0.2007
2.4G;BT-BR	3.51	15.43	16.79	0.50	53.580	20	B	3060.0	0.0175
Sum TL Ratio_B	0.0175								
Sum TL Ratio_C	0.2007								
Sum Ratio	0.2182								
Ratio Limit	1								

Note 1: Option A, B and C refer as clause 2.2

Note 2: For option B, Pth(mW) convert to TL ERP(mW); For option C, ERP(W) convert to TL ERP(mW)

Note 3: TL Ratio=Tune-up ERP(mW)/TL ERP(mW)

Note 4: Refer as clause 2.3 Multiple RF Sources Exposure. Please follow below option and sum TL ration table.

Option	Sum TL Ratio_B	Option	Sum TL Ratio_C	Option	Sum TL Ratio_E
B	$\sum_{i=1}^a \frac{P_i}{P_{th,i}}$	C	$\sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}}$	E	$\sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k}$

Note: The above antenna gain was declared by manufacturer.

————THE END————