

Radio Exposure Evaluation Report

FCC ID : QXO-AP5022
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5022S6D
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Standard : 47 CFR FCC Part 2 Subpart J, section 2.1091

The product was received on Oct. 15, 2025, and testing was started from Dec. 03, 2025 and completed on Feb. 08, 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.)



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Photographs of EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FA5O0964C	01	Initial issue of report	May 13, 2026



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: Barry Hsiao

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, 1024QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11be: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)
6GHz WLAN	5925-7125	5955-7115	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	LE: DSSS (GFSK)
802.15.4	2400-2483.5	2405-2480	DSSS (O-QPSK)
UWB	3.1~10.6 GHz	7987.2	BPSK + DSSS

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support	Radio	Remark
1	1	WNC	95XPAM15.G71	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
2	2	WNC	95XPAM15.G72	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
3	3	WNC	95XPAM15.G73	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
4	4	WNC	95XPAM15.G74	Dipole	I-Pex	2.4G + 5G Full & High	Radio 1+Radio 2	-
5	1	WNC	95XPAM15.G67	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
6	2	WNC	95XPAM15.G68	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
7	3	WNC	95XPAM15.G69	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
8	4	WNC	95XPAM15.G70	Dipole	I-Pex	5G Low & 6G High	Radio 1	-
9	1	WNC	95XPAM15.G63	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
10	2	WNC	95XPAM15.G64	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
11	3	WNC	95XPAM15.G65	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
12	4	WNC	95XPAM15.G66	Dipole	I-Pex	6G Full & 6G Low	Radio 3	-
13	1	WNC	95XPAM15.G56	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
14	2	WNC	95XPAM15.G57	PIFA	I-Pex	Scan 2.4G & 5G & 6G	Radio 4	-
15	1	WNC	95XPAM15.G53	PIFA	I-Pex	BT+802.15.4	Radio 5	-
16	2	WNC	95XPAM15.G54	PIFA	I-Pex	BT+802.15.4	Radio 5	-
17	3	WNC	95XPAM15.GAM	Alford loop	I-Pex	BT+802.15.4	Radio 5	-
18	1	WNC	95XPAM15.G81	PIFA	I-Pex	UWB	Radio 6	-
19	2	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
20	3	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-
21	4	WNC	95XPAM15.G82	Alford loop	I-Pex	UWB	Radio 6	-



Ant.	Port	Gain (dBi)											
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8	BT	802.15.4	UWB
1	1	3.48	5.09	5.65	6.38	6.56	-	-	-	-	-	-	-
2	2	3.43	6.93	6.99	6.9	6.61	-	-	-	-	-	-	-
3	3	3.19	5.9	5.8	5.86	6.22	-	-	-	-	-	-	-
4	4	2.41	5.56	5.58	6.18	5.77	-	-	-	-	-	-	-
5	1	-	5.51	5.62	-	-	-	-	5.41	6.49	-	-	-
6	2	-	6.56	6.65	-	-	-	-	4.21	5.33	-	-	-
7	3	-	6.43	6.5	-	-	-	-	5.91	5.95	-	-	-
8	4	-	6	6.12	-	-	-	-	5.63	6.41	-	-	-
9	1	-	-	-	-	-	6.7	5.64	6.35	6.58	-	-	-
10	2	-	-	-	-	-	6.99	5.53	6.26	6.38	-	-	-
11	3	-	-	-	-	-	6.41	7.24	6.45	7.03	-	-	-
12	4	-	-	-	-	-	6.38	5.25	6	6.43	-	-	-
13	1	2.07	4.08	3.46	4.66	2.69	2.95	3.49	4.74	4.29	-	-	-
14	2	3.3	3.15	2.77	3.76	4.06	5.79	4.03	4.21	4.36	-	-	-
15	1	-	-	-	-	-	-	-	-	-	4.8	4.8	-
16	2	-	-	-	-	-	-	-	-	-	4.2	4.2	-
17	3	-	-	-	-	-	-	-	-	-	2.8	2.8	-
18	1	-	-	-	-	-	-	-	-	-	-	-	5.6
19	2	-	-	-	-	-	-	-	-	-	-	-	5
20	3	-	-	-	-	-	-	-	-	-	-	-	4.6
21	4	-	-	-	-	-	-	-	-	-	-	-	3.9

Ant.		Composite Gain (dBi) for 4TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~4	DG [1SS]	5.85	9.55	9.18	8.75	8.69	-	-	-	-
	DG [2SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
	DG [4SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
5~8	DG [1SS]	-	8.96	8.98	-	-	-	-	8.42	9.14
	DG [2SS]	-	6.56	6.65	-	-	-	-	5.91	6.49
	DG [4SS]	-	6.56	6.65	-	-	-	-	5.91	6.49
9~12	DG [1SS]	-	-	-	-	-	10.89	10.01	9.83	10.12
	DG [2SS]	-	-	-	-	-	7.89	7.24	6.83	7.12
	DG [4SS]	-	-	-	-	-	6.99	7.24	6.45	7.03

Ant.		Composite Gain (dBi) for 2TX								
		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~2	DG [1SS]	6.06	8.81	9	9.12	8.93	-	-	-	-
	DG [2SS]	3.48	6.93	6.99	6.9	6.61	-	-	-	-
5~6	DG [1SS]	-	9.03	8.77	-	-	-	-	7.43	8.85
	DG [2SS]	-	6.56	6.65	-	-	-	-	5.41	6.49
9~10	DG [1SS]	-	-	-	-	-	9.61	8.6	8.69	9.18
	DG [2SS]	-	-	-	-	-	6.99	5.64	6.35	6.58
13~14	DG [1SS]	4.58	5.83	5.95	5.83	4.58	5.79	4.82	4.86	4.41
	DG [2SS]	3.3	4.08	3.46	4.66	4.06	5.79	4.03	4.74	4.36

Note 1: The EUT has Twenty-one antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v02 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP500964C.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/4RX) (Radio 1)

Ant. 1 could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/4RX) (Radio 1)

Ant. 1~2 could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax/be mode (4TX/4RX) (Radio 1)

Ant. 1~4 could transmit/receive simultaneously.

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

Ant. 13~14 could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 1_Low Band)

Ant. 5 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 1_Low Band)

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 1_Low Band)

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/4RX) (Radio 2)

Ant. 1 could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/4RX) (Radio 2)

Ant. 1~2 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (4TX/4RX) (Radio 2)

Ant. 1~4 could transmit/receive simultaneously.

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

Ant. 13~14 could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 1)

Ant. 5 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 1)

Ant. 5~6 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 1)

Ant. 5~8 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (1TX/4RX) (Radio 3)

Ant. 9 could transmit/receive.

For IEEE 802.11 ax/be mode (2TX/4RX) (Radio 3)

Ant. 9~10 could transmit/receive simultaneously.

For IEEE 802.11 ax/be mode (4TX/4RX) (Radio 3)

Ant. 9~12 could transmit/receive simultaneously.

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

Ant. 13~14 could transmit/receive simultaneously.



For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 15 or Ant.16 or Ant 17 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For 802.15.4 function:

For IEEE 802.15.4 mode (1TX/1RX)

Ant. 15 or Ant.16 or Ant 17 could transmit/receive.

Support diversity function and pre-tested on each single chain, the worst case was port 2 and it was recorded in this test report.

For UWB function(2TX/4RX):

Ant. 18 and Ant 20 could transmit.

Ant. 18~21 could receive.

1.1.3 Accessories

Accessories				
Bracket	Brand Name	Extreme	Model Name	AH-ACC-BKT-TB

Reminder: Regarding to more detail and other information, please refer to user manual.

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:

- | | |
|----|--|
| 1 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB |
| 2 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB |
| 3 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB |
| 4 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB |
| 5 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB |
| 6 | Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB |
| 7 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+UWB |
| 8 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+BT+UWB |
| 9 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+BT+UWB |
| 10 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+UWB |
| 11 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+UWB |
| 12 | Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+UWB |
| 13 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+BT+UWB |
| 14 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+BT+UWB |
| 15 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+BT+UWB |
| 16 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+802.15.4+UWB |
| 17 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+802.15.4+UWB |
| 18 | Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+802.15.4+UWB |

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 71 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

2.4GHz WLAN

Non-Beamforming_Radio 1_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.48	21.49	22.82	0.50	214.783	71	C	9678.8	0.0222
2.4G;D1D	3.48	21.57	22.90	0.50	218.776	71	C	9678.8	0.0226

Non-Beamforming_Radio 1_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.48	24.57	25.90	0.50	436.516	71	C	9678.8	0.0451
2.4G;D1D	3.48	24.07	25.40	0.50	389.045	71	C	9678.8	0.0402

Non-Beamforming_Radio 1_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	3.48	23.73	25.06	0.50	359.749	71	C	9678.8	0.0372

Non-Beamforming_Radio 1_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.48	27.2	28.53	0.50	799.834	71	C	9678.8	0.0827
2.4G;D1D	3.48	26.66	27.99	0.50	706.318	71	C	9678.8	0.0730

Non-Beamforming_Radio 1_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	3.48	26.03	27.36	0.50	610.942	71	C	9678.8	0.0631

Non-Beamforming_Scan Radio_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;D1D	3.30	22.55	23.70	0.50	263.027	71	C	9678.8	0.0272

Non-Beamforming_Scan Radio_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	3.30	22.33	23.48	0.50	250.035	71	C	9678.8	0.0258

**5GHz WLAN****Non-Beamforming_Radio 1_Full RU_1T1S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	5.51	22.24	25.60	0.50	407.380	71	C	9678.8	0.0421
5.3G;D1D	5.62	22.2	25.67	0.50	414.000	71	C	9678.8	0.0428

Non-Beamforming_Radio 1_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.56	25.17	29.58	0.50	1018.591	71	C	9678.8	0.1053
5.3G;D1D	6.65	22.79	27.29	0.50	601.174	71	C	9678.8	0.0621

Non-Beamforming_Radio 1_Full RU_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.56	25.04	29.45	0.50	988.553	71	C	9678.8	0.1022
5.3G;D1D	6.65	22.81	27.31	0.50	603.949	71	C	9678.8	0.0624

Non-Beamforming_Radio 1_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.56	26.92	31.33	0.50	1524.053	71	C	9678.8	0.1575
5.3G;D1D	6.65	22.82	27.32	0.50	605.341	71	C	9678.8	0.0626

Non-Beamforming_Radio 1_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.56	27.92	32.33	0.50	1918.669	71	C	9678.8	0.1983
5.3G;D1D	6.65	22.8	27.30	0.50	602.560	71	C	9678.8	0.0623

Non-Beamforming_Radio 2_Full RU_1T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	5.09	20	22.94	0.50	220.800	71	C	9678.8	0.0228
5.3G;D1D	5.65	19.61	23.11	0.50	229.615	71	C	9678.8	0.0237
5.6G;D1D	6.38	20.86	25.09	0.50	362.243	71	C	9678.8	0.0374
5.8G;D1D	6.56	21.32	25.73	0.50	419.759	71	C	9678.8	0.0434

Non-Beamforming_Radio 2_Full RU_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.93	22.95	27.73	0.50	665.273	71	C	9678.8	0.0688
5.3G;D1D	6.99	21.19	26.03	0.50	449.780	71	C	9678.8	0.0465
5.6G;D1D	6.90	21.94	26.69	0.50	523.600	71	C	9678.8	0.0541
5.8G;D1D	6.61	24.14	28.60	0.50	812.831	71	C	9678.8	0.0840

**Non-Beamforming_Radio 2_Full RU_2T2S**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.93	22.84	27.62	0.50	648.634	71	C	9678.8	0.0670
5.3G;D1D	6.99	22.37	27.21	0.50	590.201	71	C	9678.8	0.0610
5.6G;D1D	6.90	22.53	27.28	0.50	599.791	71	C	9678.8	0.0620
5.8G;D1D	6.61	24.28	28.74	0.50	839.460	71	C	9678.8	0.0868

Non-Beamforming_Radio 2_Full RU_4T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.93	24.76	29.54	0.50	1009.253	71	C	9678.8	0.1043
5.3G;D1D	6.99	22.46	27.30	0.50	602.560	71	C	9678.8	0.0623
5.6G;D1D	6.90	22.56	27.31	0.50	603.949	71	C	9678.8	0.0624
5.8G;D1D	6.61	26.51	30.97	0.50	1402.814	71	C	9678.8	0.1450

Non-Beamforming_Radio 2_Full RU_4T4S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	6.93	24.75	29.53	0.50	1006.932	71	C	9678.8	0.1041
5.3G;D1D	6.99	22.45	27.29	0.50	601.174	71	C	9678.8	0.0621
5.6G;D1D	6.90	22.52	27.27	0.50	598.412	71	C	9678.8	0.0618
5.8G;D1D	6.61	27.1	31.56	0.50	1606.941	71	C	9678.8	0.1661

Non-Beamforming_Scan Radio_2T1S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.08	24.88	26.81	0.50	538.270	71	C	9678.8	0.0556
5.3G;D1D	3.46	23.91	25.22	0.50	373.250	71	C	9678.8	0.0386
5.6G;D1D	4.66	23.84	26.35	0.50	484.172	71	C	9678.8	0.0500
5.8G;D1D	4.06	26.04	27.95	0.50	699.842	71	C	9678.8	0.0723

Non-Beamforming_Scan Radio_2T2S

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	4.08	25.06	26.99	0.50	561.048	71	C	9678.8	0.0580
5.3G;D1D	3.46	23.91	25.22	0.50	373.250	71	C	9678.8	0.0386
5.6G;D1D	4.66	23.93	26.44	0.50	494.311	71	C	9678.8	0.0511
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738

**6GHz WLAN_6ID****Non-Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
7.0G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629

Non-Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.4G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.7G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
7.0G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629

Non-Beamforming_Scan Radio

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.4G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.7G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
7.0G;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629

6GHz WLAN_6SD**Non-Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502

Non-Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.7G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502

Non-Beamforming_Scan Radio

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.7G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502

**Bluetooth**

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	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016

802.15.4

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055

UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
Ultra Wide Band;F1D	-	-	-23.24	0.50	0.005	71	C	9678.8	0.0000
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000

**2.4GHz WLAN****Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992

5GHz WLAN**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379

Beamforming_Radio 2

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
5.2G;D1D	9.55	24.76	32.16	0.50	1845.015	71	C	9678.8	0.1907
5.3G;D1D	9.18	20.15	27.18	0.50	586.138	71	C	9678.8	0.0606
5.6G;D1D	8.75	20.67	27.27	0.50	598.412	71	C	9678.8	0.0618
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341

6GHz WLAN_6ID**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
7.0G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629

Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.4G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
6.7G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629
7.0G,BF;D1D	-	-	27.34	0.50	608.135	71	C	9678.8	0.0629

6GHz WLAN_6SD**Beamforming_Radio 1**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502

Beamforming_Radio 3

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.2G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502

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:****1. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.6257								
Ratio Limit	1								

2. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+BT+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.6589								
Ratio Limit	1								

3. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+BT+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.8353								
Ratio Limit	1								

4. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.6296								
Ratio Limit	1								

**5. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.6628								
Ratio Limit	1								

6. Radio 1 (2.4G)+Radio 2 (5G Full)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+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	5.85	25.62	29.32	0.50	959.401	71	C	9678.8	0.0992
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.8392								
Ratio Limit	1								

7. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+BT+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.7644								
Ratio Limit	1								

8. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+BT+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.7976								
Ratio Limit	1								

**9. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+BT+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.974								
Ratio Limit	1								

10. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (2.4G)+802.15.4+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.7683								
Ratio Limit	1								

11. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (5G)+802.15.4+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.8015								
Ratio Limit	1								

12. Radio 1 (5G Low)+Radio 2 (5G High)+Radio 3 (6G Full)+Radio 4 (6G)+802.15.4+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	8.96	26.31	33.12	0.50	2301.442	71	C	9678.8	0.2379
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.9779								
Ratio Limit	1								

**13. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+BT+UWB**

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.7767								
Ratio Limit	1								

14. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.8099								
Ratio Limit	1								

15. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+BT+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;BT-LE	4.80	8.67	11.32	0.50	15.205	71	C	9678.8	0.0016
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.9863								
Ratio Limit	1								

16. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (2.4G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;G1D	3.30	24.29	25.44	0.50	392.645	71	C	9678.8	0.0406
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.7806								
Ratio Limit	1								



17. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (5G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	4.06	26.13	28.04	0.50	714.496	71	C	9678.8	0.0738
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.8138								
Ratio Limit	1								

18. Radio 1 (6G High)+Radio 2 (5G Full)+Radio 3 (6G Low)+Radio 4 (6G)+802.15.4+UWB

Mode	DG (dBi)	Power (dBm)	ERP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	Option	TL ERP (mW)	TL Ratio
6.7G,BF;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
5.8G;D1D	8.69	26.51	33.05	0.50	2264.644	71	C	9678.8	0.2341
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
6.2G;D1D	-	-	33.34	0.50	2421.029	71	C	9678.8	0.2502
2.4G;	4.80	14.12	16.77	0.50	53.333	71	C	9678.8	0.0055
Ultra Wide Band;F1D	-	-	-19.80	0.50	0.012	71	C	9678.8	0.0000
Sum TL Ratio_C	0.9902								
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—————