



Radio Exposure Evaluation Report

FCC ID : UDX-600100011
Equipment : Wi-Fi 6 Outdoor Access Point
Brand Name : CISCO
Model Name : MR76-HW
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 FCC Part 2 Subpart J, section 2.1091

The product was received on Jul. 25, 2019, and testing was started from Aug. 10, 2019 and completed on Nov. 23, 2022. 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
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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: Ann Hou



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)
5GHz WLAN	5150-5250 5250-5350 5470-5725 5725-5850	5180-5240 5260-5320 5500-5700 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)
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)

1.1.2 Antenna Information

Group	Ant. No.	Brand	Model Name	Antenna Type	Connector	
1	20	1	Grand-Tek	MA-ANT-20	Omni	N-Type
		2	Grand-Tek	MA-ANT-20	Omni	N-Type
		3	Grand-Tek	MA-ANT-20	Omni	N-Type
		4	Grand-Tek	MA-ANT-20	Omni	N-Type
2	21+23	1	Grand-Tek	MA-ANT-23	Sector	N-Type
		2	Grand-Tek	MA-ANT-23	Sector	N-Type
		3	Grand-Tek	MA-ANT-21	Sector	N-Type
		4	Grand-Tek	MA-ANT-21	Sector	N-Type
3	25	1	Grand-Tek	MA-ANT-25	Sector	N-Type
		2	Grand-Tek	MA-ANT-25	Sector	N-Type
		3	Grand-Tek	MA-ANT-25	Sector	N-Type
		4	Grand-Tek	MA-ANT-25	Sector	N-Type
4	27	1	Grand-Tek	MA-ANT-27	Sector	N-Type
		2	Grand-Tek	MA-ANT-27	Sector	N-Type
		3	Grand-Tek	MA-ANT-27	Sector	N-Type
		4	Grand-Tek	MA-ANT-27	Sector	N-Type
-	-	5	Senao	MR76	PIFA	I-PEX
-	-	6	Senao	MR76	PIFA	I-PEX



Group	Ant. No.		Gain (dBi)			Elevation angle above 30 degrees Gain (dBi)	Remark
			2.4G	5G	BT		
1	20	1	4	-	-	-	Radio 1
		2	4	-	-	-	Radio 1
		3	-	7	-	-1	Radio 2
		4	-	7	-	-1	Radio 2
2	21+23	1	11	-	-	-	Radio 1
		2	11	-	-	-	Radio 1
		3	-	13	-	11.2	Radio 2
		4	-	13	-	11.2	Radio 2
3	25	1	8.1	-	-	-	Radio 1
		2	8.1	-	-	-	Radio 1
		3	-	7.1	-	1.8	Radio 2
		4	-	7.1	-	1.8	Radio 2
4	27	1	9.8	-	-	-	Radio 1
		2	9.8	-	-	-	Radio 1
		3	-	11.3	-	9.7	Radio 2
		4	-	11.3	-	9.7	Radio 2
-	-	5	4.6	5.9	-	5.2	Radio 3 (Scanning Radio)
-	-	6	-	-	4.7	-	Radio 4 (BT LE)

Note 1: The EUT has six antennas.

Note 2: The antenna mentioned above group 1~4 will not be sold with the EUT in the market.

For 2.4GHz function:

<Radio 1>

For IEEE 802.11 b/g/n/ac/ax mode (1TX/1RX)

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

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

Ant. 1 and Ant. 2 could transmit/receive simultaneously.

<Radio 3>

For IEEE 802.11 b/g/n/ac mode (1TX/1RX)

Ant. 5 could transmit/receive simultaneously.

For 5GHz function:

<Radio 2>

For IEEE 802.11 a/an/ac/ax mode (1TX/1RX)

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

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

Ant. 3 and Ant. 4 could transmit/receive simultaneously.



<Radio 3>

For IEEE 802.11 a/an/ac mode (1TX/1RX)
Ant. 5 could transmit/receive simultaneously.

For BT function:

<Radio 4>

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 6 could transmit/receive simultaneously.

1.1.3 Table for Multiple Listing

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

Table with 2 columns: Sample, Description. Rows include SKU1: Screened C-temp and SKU2: unscreened C-temp.

1.1.4 Accessories

Table with 5 columns: Mounting bracket, Brand Name, CISCO, Model Name, MR76-HW.

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		
<input checked="" type="checkbox"/>	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.		
<input type="checkbox"/>	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. WLAN 2.4GHz+ WLAN 5GHz+ Scanning Radio WLAN 2.4GHz+Bluetooth
2. WLAN 2.4GHz+ WLAN 5GHz+ Scanning Radio WLAN 5GHz+Bluetooth

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)	$\begin{cases} 0.3 \sim 1.34MHz \rightarrow ERP(W) = 1920R^2 \\ 1.34 \sim 30MHz \rightarrow ERP(W) = 3450R^2 / f^2 \\ 30 \sim 300MHz \rightarrow ERP(W) = 3.83R^2 \\ 300 \sim 1500MHz \rightarrow ERP(W) = 0.0128R^2 f \\ 1500 \sim 100000MHz \rightarrow ERP(W) = 19.2R^2 \end{cases}$ <p>f is in MHz; R is in m; $R > \lambda / 2\pi$</p>



2.3 Multiple RF Sources Exposure

Refer Std.	Exemption Exposure Thresholds (TL)
§1.1307(b)(3)(ii)(A)	<p>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)</p>
§1.1307(b)(3)(ii)(B)	$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{ExposureLimit_k} \leq 1$ <p>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.</p> <p>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.</p> <p>c = number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance including existing evaluated transmitters.</p> <p>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> <p>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.</p> <p>ERP_j = the ERP of fixed, mobile, or portable RF source j.</p> <p>ERP_{th,j} = exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least λ/2π according to the applicable formula of paragraph §1.1307(b)(3)(i)(C) of this section.</p> <p>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.</p> <p>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.</p>



2.4 MPE Calculation Method

The MPE was calculated at 51 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

Group 1_Non-Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	4.00	24.78	28.78	0.50	516.55	51	0.02592	1.00000	C	4993.920	0.10344
2.4G;D1D	4.00	22.92	26.92	0.50	336.60	51	0.01689	1.00000	C	4993.920	0.06740
5.2G;D1D	7.00	21.97	28.97	0.50	539.65	51	0.02708	1.00000	C	4993.920	0.10806
5.3G;D1D	7.00	22.17	29.17	0.50	565.08	51	0.02836	1.00000	C	4993.920	0.11315
5.6G;D1D	7.00	22.49	29.49	0.50	608.29	51	0.03052	1.00000	C	4993.920	0.12181
5.8G;D1D	7.00	24.52	31.52	0.50	970.76	51	0.04871	1.00000	C	4993.920	0.19439

Group 1_Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	7.01	19.46	26.47	0.50	303.47	51	0.01523	1.00000	C	4993.920	0.06077
5.2G;D1D	10.01	19.32	29.33	0.50	586.29	51	0.02942	1.00000	C	4993.920	0.11740
5.3G;D1D	10.01	19.38	29.39	0.50	594.44	51	0.02983	1.00000	C	4993.920	0.11903
5.6G;D1D	10.01	19.24	29.25	0.50	575.59	51	0.02888	1.00000	C	4993.920	0.11526
5.8G;D1D	10.01	19.62	29.63	0.50	628.22	51	0.03152	1.00000	C	4993.920	0.12580

Group 2_Non-Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	11.00	23.55	34.55	0.50	1950.34	51	0.09787	1.00000	C	4993.920	0.39054
2.4G;D1D	11.00	21.01	32.01	0.50	1086.70	51	0.05453	1.00000	C	4993.920	0.21760
5.2G;D1D	13.00	9.79	22.79	0.50	130.05	51	0.00653	1.00000	C	4993.920	0.02604
5.3G;D1D	13.00	16.42	29.42	0.50	598.56	51	0.03004	1.00000	C	4993.920	0.11986
5.6G;D1D	13.00	16.42	29.42	0.50	598.56	51	0.03004	1.00000	C	4993.920	0.11986
5.8G;D1D	13.00	22.45	35.45	0.50	2399.44	51	0.12041	1.00000	C	4993.920	0.4805

Group 2_Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	14.01	19.46	33.47	0.50	1520.93	51	0.07632	1.00000	C	4993.920	0.30456
5.2G;D1D	16.01	9.78	25.79	0.50	259.48	51	0.01302	1.00000	C	4993.920	0.05196
5.3G;D1D	16.01	13.38	29.39	0.50	594.44	51	0.02983	1.00000	C	4993.920	0.11903
5.6G;D1D	16.01	13.48	29.49	0.50	608.29	51	0.03052	1.00000	C	4993.920	0.12181
5.8G;D1D	16.01	19.62	35.63	0.50	2421.64	51	0.12550	1.00000	C	4993.920	0.48492



Group 3_Non-Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	8.10	24.45	32.55	0.50	1230.58	51	0.06175	1.00000	C	4993.920	0.24642
2.4G;D1D	8.10	22.81	30.91	0.50	843.55	51	0.04233	1.00000	C	4993.920	0.16892
5.2G;D1D	7.10	19.19	26.29	0.50	291.15	51	0.01461	1.00000	C	4993.920	0.05830
5.3G;D1D	7.10	22.17	29.27	0.50	578.24	51	0.02902	1.00000	C	4993.920	0.11579
5.6G;D1D	7.10	22.14	29.24	0.50	574.26	51	0.02882	1.00000	C	4993.920	0.11499
5.8G;D1D	7.10	25.33	32.43	0.50	1197.04	51	0.06007	1.00000	C	4993.920	0.2397

Group 3_Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	11.11	19.46	30.57	0.50	780.03	51	0.03914	1.00000	C	4993.920	0.15620
5.2G;D1D	10.11	19.19	29.30	0.50	582.25	51	0.02922	1.00000	C	4993.920	0.11659
5.3G;D1D	10.11	19.38	29.49	0.50	608.29	51	0.03052	1.00000	C	4993.920	0.12181
5.6G;D1D	10.11	19.21	29.32	0.50	584.94	51	0.02935	1.00000	C	4993.920	0.11713
5.8G;D1D	10.11	19.62	29.73	0.50	642.85	51	0.03226	1.00000	C	4993.920	0.12873

Group 4_Non-Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	9.80	23.74	33.54	0.50	1545.65	51	0.07756	1.00000	C	4993.920	0.30951
2.4G;D1D	9.80	21.45	31.25	0.50	912.24	51	0.04578	1.00000	C	4993.920	0.18267
5.2G;D1D	11.30	11.49	22.79	0.50	130.05	51	0.00653	1.00000	C	4993.920	0.02604
5.3G;D1D	11.30	18.02	29.32	0.50	584.94	51	0.02935	1.00000	C	4993.920	0.11713
5.6G;D1D	11.30	18.15	29.45	0.50	602.71	51	0.03024	1.00000	C	4993.920	0.12069
5.8G;D1D	11.30	24.17	35.47	0.50	2410.52	51	0.12096	1.00000	C	4993.920	0.4827

Group 4_Beamforming

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;D1D	12.81	19.29	32.10	0.50	1109.46	51	0.05567	1.00000	C	4993.920	0.22216
5.2G;D1D	14.31	11.26	25.57	0.50	246.67	51	0.01238	1.00000	C	4993.920	0.04939
5.3G;D1D	14.31	15.10	29.41	0.50	597.19	51	0.02997	1.00000	C	4993.920	0.11958
5.6G;D1D	14.31	14.93	29.24	0.50	574.26	51	0.02882	1.00000	C	4993.920	0.11499
5.8G;D1D	14.31	19.62	33.93	0.50	1690.87	51	0.08485	1.00000	C	4993.920	0.33859



Scanning Radio

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	4.60	13.68	18.28	0.50	46.04	51	0.00231	1.00000	C	4993.920	0.00922
2.4G;D1D	4.60	21.47	26.07	0.50	276.76	51	0.01389	1.00000	C	4993.920	0.05542
5.2G;D1D	5.90	15.06	20.96	0.50	85.33	51	0.00428	1.00000	C	4993.920	0.01709
5.3G;D1D	5.90	16.24	22.14	0.50	111.97	51	0.00562	1.00000	C	4993.920	0.02242
5.6G;D1D	5.90	14.61	20.51	0.50	76.93	51	0.00386	1.00000	C	4993.920	0.01541
5.8G;D1D	5.90	8.72	14.62	0.50	19.82	51	0.00099	1.00000	C	4993.920	0.0040

Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;BT-LE	4.7	19.17	23.87	0.50	166.77	51	0.00837	1.00000	C	4993.920	0.03339

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:

WLAN 2.4GHz+ WLAN 5GHz+ Scanning Radio WLAN 2.4GHz+Bluetooth

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	11.00	23.55	34.55	0.50	1950.34	51	0.09787	1.00000	C	4993.920	0.39054
5.8G;D1D	16.01	19.62	35.63	0.50	2421.64	51	0.12550	1.00000	C	4993.920	0.48492
2.4G;D1D	4.60	21.47	26.07	0.50	276.76	51	0.01389	1.00000	C	4993.920	0.05542
2.4G;BT-LE	4.70	19.17	23.87	0.50	166.77	51	0.00837	1.00000	C	4993.920	0.03339
Sum Ratio	0.96427										
Ratio Limit	1.00000										

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Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up ERP (mW)	Distance (cm)	S (mW/cm2)	S Limit (mW/cm2)	Option	TL ERP (mW)	TL Ratio
2.4G;G1D	11.00	23.55	34.55	0.50	1950.34	51	0.09787	1.00000	C	4993.920	0.39054
5.8G;D1D	16.01	19.62	35.63	0.50	2421.64	51	0.12550	1.00000	C	4993.920	0.48492
5.3G;D1D	5.90	16.24	22.14	0.50	111.97	51	0.00562	1.00000	C	4993.920	0.02242
2.4G;BT-LE	4.70	19.17	23.87	0.50	166.77	51	0.00837	1.00000	C	4993.920	0.03339
Sum Ratio	0.93127										
Ratio Limit	1.00000										

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—————