



RADIO EXPOSURE TEST REPORT

FCC ID : QXO-AP510E
Equipment : 802.11ax Access Point
Brand Name : Extreme Networks
Model Name : AP510e
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 Part 2.1091

The product was received on Nov. 09, 2018, and testing was started from Nov. 22, 2018 and completed on Jan. 30, 2023. 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: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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TEL : 886-3-656-9065
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Report Template No.: CB-A1_1 Ver1.1



Summary of Test Result

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

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



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) 802.11g/n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
5GHz WLAN	5150-5250 5250-5350 5470-5725 5725-5850	5180-5250 5250-5320 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)
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)
Thread	2400-2483.5	2405-2480	Thread: O-QPSK (250kbps)



1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Radio	Elevation angle above 30 degree Max Gain (dBi)	Use Condition
1	Extreme Networks	ML-2452-APA2-01	Omni	RP SMA male	1, 2	-	Indoor/Outdoor
2	Extreme Networks	ML-2452-APA2-02	Omni	RP SMA male	1, 2	-	Indoor/Outdoor
3	Extreme Networks	ML-2452-HPA5-036	Omni	RP SMA male	1, 2	-	Indoor/Outdoor
4	Extreme Networks	ML-2452-HPAG4A6-01	Omni	N Male	1, 2	5.7	Indoor/Outdoor
5	Extreme Networks	ML-2452-PNA5-01R	Panel	N Male	1, 2	5.26	Indoor/Outdoor
6	Extreme Networks	ML-2452-HPAG5A8-01	Omni	N Male	1, 2	-6.05	Indoor/Outdoor
7	Extreme Networks	ML-2452-PTA4M4-036	Omni	RP SMA male	1, 2	-	Indoor/Outdoor
8	Extreme Networks	WS-AO-DQ04360N	Omni	N Male	1, 2	-	Indoor/Outdoor
9	Extreme Networks	ML-2452-SEC6M4-036	Panel	RP SMA male	1, 2	-	Indoor/Outdoor
10	Extreme Networks	WS-AI-DQ05120	Panel	RP SMA male	1, 2	-	Indoor/Outdoor
11	Extreme Networks	ML-2452-PNA7-01R	Panel	RP SMA male	1, 2, 3	7.9	Indoor/Outdoor
12	Extreme Networks	ML-2499-HPA8-01	Omni	N Male	3	-	Indoor/Outdoor
13	Extreme Networks	AI-DQ04360S	Omni	RP SMA male	1, 2	-	Indoor/Outdoor
14	Extreme Networks	AIO-DQ15021-RPSMA	Panel	RP SMA male	1, 2	-	Indoor

Note1:

Ant.	Antenna Gain(dBi)				Cable loss(dB)				True Gain(dBi)			
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	Thread	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	Thread	WLAN 2.4GHz	WLAN 5GHz	Bluetooth	Thread
1	3.17	4.85	-	-	1	2	-	-	2.17	2.85	-	-
2	3.17	4.85	-	-	1	2	-	-	2.17	2.85	-	-
3	3.9	5.7	-	-	1	2	-	-	2.9	3.7	-	-
4	4	7.3	-	-	1	2	-	-	3	5.3	-	-
5	4.5	5	-	-	1	2	-	-	3.5	3	-	-
6	5	8	-	-	1	2	-	-	4	6	-	-
7	5	6.6	-	-	1	2	-	-	4	4.6	-	-
8	5.5	6	-	-	1	2	-	-	4.5	4	-	-
9	6.92	7.23	-	-	1	2	-	-	5.92	5.23	-	-
10	6.92	7.23	-	-	1	2	-	-	5.92	5.23	-	-
11	7.8	10.7	7.8	7.8	1	2	1	1	6.8	8.7	6.8	6.8
12	-	-	8	8	-	-	1	1	-	-	7	7
13	5.5	6	-	-	1	2	-	-	4.5	4	-	-
14	-	15	-	-	-	2	-	-	-	13	-	-

Note2: The above information was declared by manufacturer.

Note3:

For 2.4GHz function:**For IEEE 802.11b/g/n/lax mode (1TX, 2TX, 4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

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

Port 1 and Port 2 could transmit simultaneously.

For 4TX

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

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

For 4RX

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

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

For 5GHz function:**For IEEE 802.11a/n/ac/lax mode (1TX, 2TX, 4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

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

Port 1 and Port 2 could transmit simultaneously.

For 4TX

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

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

For 4RX

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

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

For Bluetooth and Thread mode (1TX/1RX):

Only Port 1 can be use as transmitting/receiving antenna.

<For Ant. 14>

Note 4: Directional gain information

Type	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 $N_{ANT} \leq 4$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} P_{j,k} \right)^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} P_{j,k} \right)^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} P_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} P_{j,k} \right)^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log [(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log [(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

Antenna set 21

5G Band1 G1 = 13 dBi; G2 = 13 dBi; G3 = 13 dBi; G4 = 13 dBi; DG = 13 dBi

5G Band2 G1 = 13 dBi; G2 = 13 dBi; G3 = 13 dBi; G4 = 13 dBi; DG = 13 dBi

5G Band3 G1 = 13 dBi; G2 = 13 dBi; G3 = 13 dBi; G4 = 13 dBi; DG = 13 dBi

5G Band4 G1 = 13 dBi; G2 = 13 dBi; G3 = 13 dBi; G4 = 13 dBi; DG = 13 dBi

Polarization of antenna:

2TX: 2*Horizontal or 2*Vertical. Thus, the array gain adds 10log (2).

4TX: 2*Horizontal, 2*Vertical. Thus, the array gain only adds 10log (2).

For 2T1S

5G Band1 DG = 13 dBi

5G Band2 DG = 13 dBi

5G Band3 DG = 13 dBi

5G Band4 DG = 13 dBi

For 4T1S

5G Band1 DG = 16.01 dBi

5G Band2 DG = 16.01 dBi

5G Band3 DG = 16.01 dBi

5G Band4 DG = 16.01 dBi

For 4T4S

5G Band1 DG = 13 dBi

5G Band2 DG = 13 dBi

5G Band3 DG = 13 dBi

5G Band4 DG = 13 dBi



1.3 Table for EUT support function

The EUT has three radios, the information as following table:

Radio	Function		
	WLAN 2.4GHz	WLAN 5GHz	Bluetooth/Thread
1	V	V	-
2	-	V	-
3	-	-	V

Function	Radio	Support Type	Support Band
AP	1,2,3	Master	Bluetooth/Thread/WLAN 5GHz UNII1~3
Client	1	Slave without Radar Detection (Sensor Mode)	WLAN 5GHz UNII1+UNII3
Bridge	1,2,3	Master	Bluetooth/Thread/WLAN 5GHz UNII1+UNII3
Mesh	1,2,3	Master	Bluetooth/Thread/WLAN 5GHz UNII1+UNII3

Note: The above information was declared by manufacturer.

1.4 Table for EUT operation function

Mode	Radio 1	Radio 2	Radio 3
1	2.4G(Master-AP)	5G-Full Band(Master-AP)	Bluetooth/Thread
2	5G UNII1+UNII3 / 2.4G Slave without Radar Detection (Sensor Mode)	5G-Full Band(Master-AP)	Bluetooth/Thread
3	5G-Low Band(Master-AP)	5G-High Band(Master-AP)	Bluetooth/Thread

Note: The above information was declared by manufacturer.



1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FA8O1739-04.

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

Modifications	Performance Checking
1. Adding a Panel antenna (Ant.14) with higher gain for 5GHz. Please refer to section 1.2 for detailed information. 2. Revising the Distance to "51cm" from "26cm".	Maximum Permissible Exposure.
3. Changing Applicant/Manufacturer address to "2121 RDU Center Drive Morrisville North Carolina United States 27560" from "6480 Via Del Oro, San Jose, CA 95119".	After evaluating, the test results don't be affected.

Note: Maximum Permissible Exposure of Bluetooth and Thread are based on original test report.

1.6 Accessories

N/A

1.7 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

1.8 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 ISCED.



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

2.2 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:

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d}$$

$$\text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

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, <= P_{th}.

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

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

For WLAN Function:

For 2.4GHz:

Mode 1: (Ant. 4 Omni antenna / 3 dBi)

For Non-beamforming / 1T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	3.00	23.34	26.34	0.50	26.84	0.48306	51	0.01478	1
2.4G;D1D	3.00	20.84	23.84	0.50	24.34	0.27164	51	0.00831	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	3.00	22.46	25.46	0.50	25.96	0.39446	51	0.01207	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	3.00	28.78	31.78	0.50	32.28	1.69044	51	0.05172	1
2.4G;D1D	3.00	24.28	27.28	0.50	27.78	0.59979	51	0.01835	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	9.02	25.28	34.30	0.50	34.80	3.01995	51	0.09239	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	3.00	24.69	27.69	0.50	28.19	0.65917	51	0.02017	1

**Mode 2: (Ant. 7 Omni antenna / 4 dBi)****For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	4.00	23.43	27.43	0.50	27.93	0.62087	51	0.01900	1
2.4G;D1D	4.00	21.32	25.32	0.50	25.82	0.38194	51	0.01169	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	4.00	23.30	27.30	0.50	27.80	0.60256	51	0.01843	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	4.00	28.78	32.78	0.50	33.28	2.12814	51	0.06511	1
2.4G;D1D	4.00	25.54	29.54	0.50	30.04	1.00925	51	0.03088	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	10.02	25.09	35.11	0.50	35.61	3.63915	51	0.11134	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	4.00	25.36	29.36	0.50	29.86	0.96828	51	0.02962	1

**Mode 3: (Ant. 11 Panel antenna / 6.8 dBi)****For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	6.80	22.51	29.31	0.50	29.81	0.95719	51	0.02928	1
2.4G;D1D	6.80	20.56	27.36	0.50	27.86	0.61094	51	0.01869	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;D1D	6.80	22.46	29.26	0.50	29.76	0.94624	51	0.02895	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	6.80	28.50	35.30	0.50	35.80	3.80189	51	0.11632	1
2.4G;D1D	6.80	24.51	31.31	0.50	31.81	1.51705	51	0.04641	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	12.82	23.05	35.87	0.12	35.99	3.97192	51	0.12152	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	6.80	24.69	31.49	0.50	31.99	1.58125	51	0.04838	1

**For 5GHz:****For Radio 1:****Mode 1: (Ant. 5 Panel antenna / 3 dBi)****For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	21.87	24.87	0.50	25.37	0.34435	51	0.01054	1
5.3G;D1D	3.00	21.77	24.77	0.50	25.27	0.33651	51	0.01030	1
5.6G;D1D	3.00	21.06	24.06	0.50	24.56	0.28576	51	0.00874	1
5.8G;D1D	3.00	21.96	24.96	0.50	25.46	0.35156	51	0.01076	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	23.99	26.99	0.50	27.49	0.56105	51	0.01716	1
5.3G;D1D	3.00	23.92	26.92	0.50	27.42	0.55208	51	0.01689	1
5.6G;D1D	3.00	23.88	26.88	0.50	27.38	0.54702	51	0.01674	1
5.8G;D1D	3.00	24.09	27.09	0.50	27.59	0.57412	51	0.01756	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	26.82	29.82	0.50	30.32	1.07647	51	0.03293	1
5.3G;D1D	3.00	23.83	26.83	0.50	27.33	0.54075	51	0.01654	1
5.6G;D1D	3.00	23.93	26.93	0.50	27.43	0.55335	51	0.01693	1
5.8G;D1D	3.00	26.45	29.45	0.50	29.95	0.98855	51	0.03024	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	9.02	26.53	35.55	0.44	35.99	3.97192	51	0.12152	1
5.3G;D1D	9.02	20.95	29.97	0.02	29.99	0.99770	51	0.03052	1
5.6G;D1D	9.02	20.87	29.89	0.10	29.99	0.99770	51	0.03052	1
5.8G;D1D	9.02	26.90	35.92	0.07	35.99	3.97192	51	0.12152	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	26.77	29.77	0.50	30.27	1.06414	51	0.03256	1
5.3G;D1D	3.00	23.96	26.96	0.50	27.46	0.55719	51	0.01705	1
5.6G;D1D	3.00	23.96	26.96	0.50	27.46	0.55719	51	0.01705	1
5.8G;D1D	3.00	26.43	29.43	0.50	29.93	0.98401	51	0.03011	1

**Mode 2: (Ant. 6 Omni antenna / 6 dBi)
For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	21.66	27.66	0.50	28.16	0.65464	51	0.02003	1
5.3G;D1D	6.00	21.48	27.48	0.50	27.98	0.62806	51	0.01921	1
5.6G;D1D	6.00	20.52	26.52	0.50	27.02	0.50350	51	0.01540	1
5.8G;D1D	6.00	22.00	28.00	0.50	28.50	0.70795	51	0.02166	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	24.42	30.42	0.50	30.92	1.23595	51	0.03781	1
5.3G;D1D	6.00	23.92	29.92	0.07	29.99	0.99770	51	0.03052	1
5.6G;D1D	6.00	23.88	29.88	0.11	29.99	0.99770	51	0.03052	1
5.8G;D1D	6.00	24.61	30.61	0.50	31.11	1.29122	51	0.03950	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	25.09	31.09	0.50	31.59	1.44212	51	0.04412	1
5.3G;D1D	6.00	21.73	27.73	0.50	28.23	0.66527	51	0.02035	1
5.6G;D1D	6.00	23.09	29.09	0.50	29.59	0.90991	51	0.02784	1
5.8G;D1D	6.00	27.43	33.43	0.50	33.93	2.47172	51	0.07562	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	12.02	23.77	35.79	0.50	36.29	4.25598	51	0.13021	1
5.3G;D1D	12.02	17.91	29.93	0.06	29.99	0.99770	51	0.03052	1
5.6G;D1D	12.02	17.94	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	12.02	23.97	35.99	0.01	36.00	3.98107	51	0.12180	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	27.00	33.00	0.50	33.50	2.23872	51	0.06849	1
5.3G;D1D	6.00	23.91	29.91	0.08	29.99	0.99770	51	0.03052	1
5.6G;D1D	6.00	23.96	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	6.00	27.67	33.67	0.50	34.17	2.61216	51	0.07992	1

**Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)
For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	21.37	30.07	0.50	30.57	1.14025	51	0.03489	1
5.3G;D1D	8.70	21.20	29.90	0.09	29.99	0.99770	51	0.03052	1
5.6G;D1D	8.70	21.06	29.76	0.23	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	21.98	30.68	0.50	31.18	1.31220	51	0.04015	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	23.54	32.24	0.50	32.74	1.87932	51	0.05750	1
5.3G;D1D	8.70	21.22	29.92	0.07	29.99	0.99770	51	0.03052	1
5.6G;D1D	8.70	21.26	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	24.19	32.89	0.50	33.39	2.18273	51	0.06678	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	23.43	32.13	0.50	32.63	1.83231	51	0.05606	1
5.3G;D1D	8.70	19.03	27.73	0.50	28.23	0.66527	51	0.02035	1
5.6G;D1D	8.70	21.23	29.93	0.06	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	27.23	35.93	0.06	35.99	3.97192	51	0.12152	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	14.72	21.16	35.88	0.11	35.99	3.97192	51	0.12152	1
5.3G;D1D	14.72	15.24	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	14.72	15.25	29.97	0.02	29.99	0.99770	51	0.03052	1
5.8G;D1D	14.72	21.26	35.98	0.01	35.99	3.97192	51	0.12152	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	26.40	35.10	0.50	35.60	3.63078	51	0.11108	1
5.3G;D1D	8.70	21.26	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	8.70	21.26	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	26.71	35.41	0.50	35.91	3.89942	51	0.11930	1

**Mode 4: (Ant. 14 Panel antenna / 13 dBi)**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.00	22.94	35.94	0.05	35.99	3.97192	51	0.12152	1
5.3G;D1D	13.00	16.96	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	13.00	16.95	29.95	0.04	29.99	0.99770	51	0.03052	1
5.8G;D1D	13.00	22.97	35.97	0.02	35.99	3.97192	51	0.12152	1

**For Radio 2:****Mode 1: (Ant. 5 Panel antenna / 3 dBi)****For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	21.38	24.38	0.50	24.88	0.30761	51	0.00941	1
5.3G;D1D	3.00	19.60	22.60	0.50	23.10	0.20417	51	0.00625	1
5.6G;D1D	3.00	21.64	24.64	0.50	25.14	0.32659	51	0.00999	1
5.8G;D1D	3.00	22.92	25.92	0.50	26.42	0.43853	51	0.01342	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	23.43	26.43	0.50	26.93	0.49317	51	0.01509	1
5.3G;D1D	3.00	22.82	25.82	0.50	26.32	0.42855	51	0.01311	1
5.6G;D1D	3.00	23.78	26.78	0.50	27.28	0.53456	51	0.01635	1
5.8G;D1D	3.00	25.55	28.55	0.50	29.05	0.80353	51	0.02458	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	26.54	29.54	0.50	30.04	1.00925	51	0.03088	1
5.3G;D1D	3.00	23.83	26.83	0.50	27.33	0.54075	51	0.01654	1
5.6G;D1D	3.00	23.91	26.91	0.50	27.41	0.55081	51	0.01685	1
5.8G;D1D	3.00	28.58	31.58	0.50	32.08	1.61436	51	0.04939	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	9.02	25.87	34.89	0.50	35.39	3.45939	51	0.10584	1
5.3G;D1D	9.02	20.94	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	9.02	20.94	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	9.02	26.92	35.94	0.05	35.99	3.97192	51	0.12152	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	3.00	26.24	29.24	0.50	29.74	0.94189	51	0.02882	1
5.3G;D1D	3.00	23.96	26.96	0.50	27.46	0.55719	51	0.01705	1
5.6G;D1D	3.00	23.96	26.96	0.50	27.46	0.55719	51	0.01705	1
5.8G;D1D	3.00	28.43	31.43	0.50	31.93	1.55955	51	0.04771	1

**Mode 2: (Ant. 6 Omni antenna / 6 dBi)
For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	19.29	25.29	0.50	25.79	0.37931	51	0.01160	1
5.3G;D1D	6.00	19.64	25.64	0.50	26.14	0.41115	51	0.01258	1
5.6G;D1D	6.00	21.64	27.64	0.50	28.14	0.65163	51	0.01994	1
5.8G;D1D	6.00	21.76	27.76	0.50	28.26	0.66988	51	0.02049	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	22.66	28.66	0.50	29.16	0.82414	51	0.02521	1
5.3G;D1D	6.00	22.78	28.78	0.50	29.28	0.84723	51	0.02592	1
5.6G;D1D	6.00	23.78	29.78	0.21	29.99	0.99770	51	0.03052	1
5.8G;D1D	6.00	24.27	30.27	0.50	30.77	1.19399	51	0.03653	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	24.19	30.19	0.50	30.69	1.17220	51	0.03586	1
5.3G;D1D	6.00	21.06	27.06	0.50	27.56	0.57016	51	0.01744	1
5.6G;D1D	6.00	23.04	29.04	0.50	29.54	0.89950	51	0.02752	1
5.8G;D1D	6.00	27.20	33.20	0.50	33.70	2.34423	51	0.07172	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	12.02	23.79	35.81	0.50	36.31	4.27563	51	0.13081	1
5.3G;D1D	12.02	17.95	29.97	0.02	29.99	0.99770	51	0.03052	1
5.6G;D1D	12.02	17.95	29.97	0.02	29.99	0.99770	51	0.03052	1
5.8G;D1D	12.02	23.97	35.99	0.01	36.00	3.98107	51	0.12180	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	6.00	25.15	31.15	0.50	31.65	1.46218	51	0.04473	1
5.3G;D1D	6.00	23.89	29.89	0.10	29.99	0.99770	51	0.03052	1
5.6G;D1D	6.00	23.96	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	6.00	27.06	33.06	0.50	33.56	2.26986	51	0.06944	1

**Mode 3: (Ant. 11 Panel antenna / 8.7 dBi)****For Non-beamforming / 1T1S mode**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	21.23	29.93	0.50	30.43	1.10408	51	0.03378	1
5.3G;D1D	8.70	19.34	28.04	0.50	28.54	0.71450	51	0.02186	1
5.6G;D1D	8.70	21.25	29.95	0.04	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	23.46	32.16	0.50	32.66	1.84502	51	0.05645	1

For Non-beamforming / 2T2S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	23.05	31.75	0.50	32.25	1.67880	51	0.05136	1
5.3G;D1D	8.70	21.23	29.93	0.06	29.99	0.99770	51	0.03052	1
5.6G;D1D	8.70	21.18	29.88	0.11	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	24.77	33.47	0.50	33.97	2.49459	51	0.07632	1

For Non-beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	23.34	32.04	0.50	32.54	1.79473	51	0.05491	1
5.3G;D1D	8.70	19.04	27.74	0.50	28.24	0.66681	51	0.02040	1
5.6G;D1D	8.70	21.25	29.95	0.04	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	27.25	35.95	0.04	35.99	3.97192	51	0.12152	1

For Beamforming / 4T1S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	14.72	21.25	35.97	0.02	35.99	3.97192	51	0.12152	1
5.3G;D1D	14.72	15.24	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	14.72	15.24	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	14.72	21.22	35.94	0.05	35.99	3.97192	51	0.12152	1

For Non-beamforming / 4T4S mode

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	8.70	25.90	34.60	0.50	35.10	3.23594	51	0.09900	1
5.3G;D1D	8.70	21.26	29.96	0.03	29.99	0.99770	51	0.03052	1
5.6G;D1D	8.70	21.26	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	8.70	27.10	35.80	0.19	35.99	3.97192	51	0.12152	1

**Mode 4: (Ant. 14 Panel antenna / 13 dBi)**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.2G;D1D	13.00	22.97	35.97	0.02	35.99	3.97192	51	0.12152	1
5.3G;D1D	13.00	16.97	29.97	0.02	29.99	0.99770	51	0.03052	1
5.6G;D1D	13.00	16.96	29.96	0.03	29.99	0.99770	51	0.03052	1
5.8G;D1D	16.01	19.97	35.98	0.01	35.99	3.97192	51	0.12152	1

**For Bluetooth Function:****Mode 1: (Ant. 11 Panel antenna / 6.8 dBi)**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;BT-LE	6.80	1.33	8.13	0.50	8.63	0.00729	51	0.00022	1

Mode 2: (Ant. 12 Omni antenna / 7 dBi)

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;BT-LE	7.00	1.33	8.33	0.50	8.83	0.00764	51	0.00023	1

For Thread Function:**Mode 1: (Ant. 11 Panel antenna / 6.8 dBi)**

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	6.80	1.08	7.88	0.50	8.38	0.00689	51	0.00021	1

Mode 2: (Ant. 12 Omni antenna / 7 dBi)

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
2.4G;G1D	7.00	1.08	8.08	0.50	8.58	0.00721	51	0.00022	1

MPE Exemption Option C

Frequency (MHz)	$\lambda/2\pi$ (m)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	MPE Exemption
2437	0.0196	0.51	35.99	33.84	2.421	4.994	Complies
5745	0.0083		36.00	33.85	2.427	4.994	Complies
5240	0.0091		36.00	33.85	2.427	4.994	Complies
2402	0.0199		8.83	6.68	0.005	4.994	Complies
2440	0.0196		8.58	6.43	0.004	4.994	Complies

**Simultaneous Transmission Analysis Mode:****Mode 1: WLAN 2.4GHz (Radio 1) + WLAN 5GHz (Radio 2) + Bluetooth (Radio 3)**

Simultaneous Transmissions Option C							
Frequency (MHz)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	Simultaneous Transmissions	Simultaneous Transmissions Limit
2437	0.51	35.99	33.84	2.421	4.994	0.97	<= 1
5240		36.00	33.85	2.427	4.994		
2402		8.83	6.68	0.005	4.994		

Mode 2: WLAN 5GHz (Radio 1) + WLAN 5GHz (Radio 2) + Bluetooth (Radio 3)

Simultaneous Transmissions Option C							
Frequency (MHz)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	Simultaneous Transmissions	Simultaneous Transmissions Limit
5745	0.51	36.00	33.85	2.427	4.994	0.97	<= 1
5240		36.00	33.85	2.427	4.994		
2402		8.83	6.68	0.005	4.994		

Mode 3: WLAN 2.4GHz (Radio 1) + WLAN 5GHz (Radio 2) + Thread (Radio 3)

Simultaneous Transmissions Option C							
Frequency (MHz)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	Simultaneous Transmissions	Simultaneous Transmissions Limit
2437	0.51	35.99	33.84	2.421	4.994	0.97	<= 1
5240		36.00	33.85	2.427	4.994		
2440		8.58	6.43	0.004	4.994		

Mode 4: WLAN 5GHz (Radio 1) + WLAN 5GHz (Radio 2) + Thread (Radio 3)

Simultaneous Transmissions Option C							
Frequency (MHz)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	Simultaneous Transmissions	Simultaneous Transmissions Limit
5745	0.51	36.00	33.85	2.427	4.994	0.97	<= 1
5240		36.00	33.85	2.427	4.994		
2440		8.58	6.43	0.004	4.994		

Note: The above antenna gain was declared by manufacturer.

————THE END————