



RADIO EXPOSURE TEST REPORT

FCC ID : QXO-AP5010

Equipment : Access Point

Brand Name : Extreme Networks

Model Name : AP5010

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 Dec. 03, 2021, and testing was started from Dec. 11, 2021 and completed on Jun. 27, 2025. 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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Photographs of EUT v01



TEL : 886-3-656-9065
FAX : 886-3-656-9085
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	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen

Report Producer: Cathy Chiu



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) 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	5180-5250 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)
6GHz WLAN	For Indoor Access Point: 5925-7125 For Standard Power Access Point: 5925-6425 6525-6875	For Indoor Access Point: 5955-7095 For Standard Power Access Point: 5955-6415 6535-6855	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Bluetooth	2400-2483.5	2402-2480	LE: GFSK
IEEE802.15.4	2400-2483.5	2405-2480	O-QPSK



1.2 Antenna Information

Ant.	Port					Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)	WLAN 5GHz (Radio 2)	WLAN 6E (Radio 3)	WLAN 5GHz / WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 4)					
1	3	3	-	-	-	WNC	95XEAJ15.30	PIFA	I-PEX	Note 1
2	1	1	-	-	-	WNC	95XEAJ15.31	PIFA	I-PEX	
3	2	2	-	-	-	WNC	95XEAJ15.32	PIFA	I-PEX	
4	4	4	-	-	-	WNC	95XEAJ15.33	PIFA	I-PEX	
5	-	-	2	-	-	WNC	95XEAJ15.34	PIFA	I-PEX	
6	-	-	1	-	-	WNC	95XEAJ15.35	PIFA	I-PEX	
7	-	-	4	-	-	WNC	95XEAJ15.36	PIFA	I-PEX	
8	-	-	3	-	-	WNC	95XEAJ15.37	PIFA	I-PEX	
9	-	-	-	1	-	WNC	95XEAJ15.38	PIFA	I-PEX	
10	-	-	-	2	-	WNC	95XEAJ15.39	PIFA	I-PEX	
11	-	-	-	-	1	WNC	95XEAJ15.40	PIFA	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)	WLAN 5GHz (Radio 2)				WLAN 6E (Radio 3)	WLAN 5GHz (Scanning Radio 1)	WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 4)
		UNII 1	UNII 2A	UNII 2C	UNII 3				
1	2.04	3.99	3.18	2.9	1.52	-	-	-	-
2	2.69	1.96	2.27	1.08	1.18	-	-	-	-
3	3.74	4.38	4.4	2.73	3.04	-	-	-	-
4	1.68	2.83	3.02	2.16	1.69	-	-	-	-
5	-	-	-	-	-	5.2	-	-	-
6	-	-	-	-	-	5.2	-	-	-
7	-	-	-	-	-	5.2	-	-	-
8	-	-	-	-	-	5.2	-	-	-
9	-	-	-	-	-	-	5.9	6.0	-
10	-	-	-	-	-	-	5.9	6.0	-
11	-	-	-	-	-	-	-	-	4.2



Ant.	Directional Gain (dBi)									
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)		WLAN 5GHz (Radio 2)							
			UNII 1		UNII 2A		UNII 2C		UNII 3	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
2	5.94	2.94	5.06	2.44	5.15	2.51	3.68	0.97	4.04	1.31
3										

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)			WLAN 5GHz (Radio 2)											
				UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1															
2	7.55	4.55	1.67	6.83	4.38	1.22	6.24	4.40	0.72	5.74	2.90	-0.03	5.92	3.04	0.20
3															
4															

Note 2: The EUT has eleven antennas.

Note 3: The above information (except gain of Radio 1 2.4GHz, Scanning Radio 1 2.4GHz, Radio 2) was declared by manufacturer.

Note 4: Radio 1 2.4GHz, Scanning Radio 1 2.4GHz, Radio 2: Maximum Directional Gain following KDB662911 D03.

The antenna report is provided in the operational description for this application.

Note 5: Scanning Radio 1 5GHz: Maximum Directional Gain following KDB662911 D01.

Note 6: Scanning Radio 1 5GHz: 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 ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} G_{j,k} \right\}^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} G_{j,k} \right\}^2}{N_{ANT}} \right]$$

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

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

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

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

Where ;

$$G1 = 5.9 ; G2 = 5.9$$

$$5 \text{ GHz U-NII-1 DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-2A DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-2C DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-3 DG} = 8.91 \text{ dBi}$$

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

Only Port 1 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

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

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

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

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

Port 1, Port 2 could transmitting simultaneously.

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

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

For IEEE 802.11b/g/n/VHT/ax mode (4TX/4RX):

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

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

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

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

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

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

Port 1, Port 2 can be used as transmitting/receiving antenna.

Port 1, Port 2 could transmit/receive simultaneously.

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

Port 1, Port 2 can be used as transmitting/receiving antenna.

Port 1, Port 2 could transmit/receive simultaneously.

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

Only Port 1 can be use as transmitting antenna.

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

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

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

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

Port 1, Port 2 could transmitting simultaneously.

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

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

For IEEE 802.11a/n/ac/ax mode (4TX/4RX):

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

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

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

Only Port 1 can be use as transmitting antenna.

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

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

For IEEE 802.11ax mode (2TX/4RX):

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

Port 1, Port 2 could transmitting simultaneously.

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

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



For Radio 4

Bluetooth / IEEE802.15.4 (1TX):

Only Port 1 can be used as transmitting antenna.

1.3 Table for EUT support function

Function
AP
Bridge
Mesh

Note: The above information was declared by manufacturer.

1.4 Table for Radio function

Radio (R)	WLAN 2.4GHz	5GHz UNII 1~3	Scanning radio (WLAN 2.4GHz 4TX / 5GHz UNII 1~3 2TX / 6E UNII 5~8 2TX)	6E (UNII 5~8)	Bluetooth / IEEE802.15.4
R1	V (AP, Bridge, Mesh)	-	V (2.4GHz: AP, Bridge, Mesh/5GHz, 6E: AP)	-	-
R2	-	V AP for UNII 1~3 Bridge, Mesh for UNII 1, 3	-	-	-
R3	-	-	-	V (AP)	-
R4	-	-	-	-	V

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: FA1N2903-01.

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

Modifications	Performance Checking
1. Adding the Standard Power Access Point for UNII-5, 7. 2. Revising the distance to 50 cm from 43 cm.	Maximum Permissible Exposure

1.6 Accessories

Accessories
Bracket*1



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 ISED.



2 Maximum Permissible Exposure

2.1 Limit of Maximum Permissible Exposure

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm 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 50 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, <= Pth.

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

Where

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

and

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

d = the separation distance (cm);

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

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

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



2.4 Calculated Result and Limit

Exposure Environment: General Population / Uncontrolled Exposure

For Radio 1 and Scanning Radio 1

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-BF 4T1S	7.55	25.57	33.12	0.50	33.62	2.30144	50	0.07326	1.00000
5.2G;D1D 2T1S	5.90	24.27	30.17	0.50	30.67	1.16681	50	0.03714	1.00000
5.3G;D1D 2T2S	5.90	22.77	28.67	0.50	29.17	0.82604	50	0.02629	1.00000
5.6G;D1D 2T2S	5.90	23.54	29.44	0.50	29.94	0.98628	50	0.03139	1.00000
5.8G;D1D 2T2S	5.90	25.59	31.49	0.50	31.99	1.58125	50	0.05033	1.00000

For Scanning Radio 1

For Indoor Access Point

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)
6.2G;D1D 2T2S	6	20.35	26.35	0.5	26.85	0.48417	50	0.01541	1.00000
6.4G;D1D 2T2S	6	20.32	26.32	0.5	26.82	0.48084	50	0.01531	1.00000
6.7G;D1D 2T2S	6	20.41	26.41	0.5	26.91	0.49091	50	0.01563	1.00000
7.0G;D1D 2T2S	6	20.40	26.40	0.5	26.9	0.48978	50	0.01559	1.00000

For Standard Power Access Point

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)
6.2G;D1D 2T2S	6	27.57	33.57	0.5	34.07	2.55270	50	0.08125	1.00000
6.4G;D1D 2T2S	6	27.76	33.76	0.5	34.26	2.66686	50	0.08489	1.00000

**For Radio 2**

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-BF 4T1S	6.83	26.44	33.27	0.50	33.77	2.38232	50	0.07583	1.00000
5.3G;D1D-BF 4T1S	6.24	23.64	29.88	0.11	29.99	0.99770	50	0.03176	1.00000
5.6G;D1D-BF 4T1S	5.74	23.89	29.63	0.36	29.99	0.99770	50	0.03176	1.00000
5.8G;D1D-BF 4T1S	5.92	28.78	34.70	0.50	35.20	3.31131	50	0.10540	1.00000

For Radio 3**For Indoor Access Point**

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)
6.2G;D1D 2T2S	-	-	27.56	0.50	28.06	0.63973	50	0.02036	1.00000
6.4G;D1D 1T1S	-	-	27.84	0.50	28.34	0.68234	50	0.02172	1.00000
6.7G;D1D 1T1S	-	-	29.06	0.50	29.56	0.90365	50	0.02876	1.00000
7.0G;D1D-BF 2T1S	-	-	26.27	0.50	26.77	0.47534	50	0.01513	1.00000

For Standard Power Access Point

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)
6.2G;D1D 2T2S	-	-	33.11	0.50	33.61	2.29615	50	0.07309	1.00000
6.7G;D1D 1T1S	-	-	33.38	0.50	33.88	2.44343	50	0.07777	1.00000

For Radio 4

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	4.20	3.25	7.45	0.50	7.95	0.00624	50	0.00020	1.00000
802.15.4	4.20	3.28	7.48	0.50	7.98	0.00628	50	0.00020	1.00000

**For Indoor Access Point****For Radio 1 and Scanning Radio 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	0.5	33.62	31.47	1.403	4.800	Complies
5755	0.0083		31.99	29.84	0.964	4.800	Complies
6665	0.0072		26.91	24.76	0.299	4.800	Complies

For Radio 2

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
5755	0.0083	0.5	35.20	33.05	2.018	4.800	Complies

For Radio 3

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
6665	0.0072	0.5	29.56	27.41	0.551	4.800	Complies

For Radio 4

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
2402;BT-LE	0.0199	0.5	7.95	5.80	0.004	4.800	Complies
2405;802.15.4	0.0198		7.98	5.83	0.004	4.800	Complies

**For Standard Power Access Point
For Radio 1 and Scanning Radio 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	0.5	33.62	31.47	1.403	4.800	Complies
5755	0.0083		31.99	29.84	0.964	4.800	Complies
6625	0.0072		33.76	31.61	1.449	4.800	Complies

For Radio 2

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
5755	0.0083	0.5	35.20	33.05	2.018	4.800	Complies

For Radio 3

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
6845	0.0070	0.5	33.38	31.23	1.327	4.800	Complies

For Radio 4

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
2402;BT-LE	0.0199	0.5	7.95	5.80	0.004	4.800	Complies
2405;802.15.4	0.0198		7.98	5.83	0.004	4.800	Complies

**Simultaneous Transmission Analysis****Mode 1: R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)**

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	0.5	33.62	31.47	1.403	4.800	0.96	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		

Mode 2: R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)

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	0.5	33.62	31.47	1.403	4.800	0.96	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

Mode 3: Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)

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
5755	0.5	31.99	29.84	0.964	4.800	0.84	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		



Mode 4: Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)

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
5755	0.5	31.99	29.84	0.964	4.800	0.84	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

Mode 5: Scanning radio 1: (6GHz UNII 5~8) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)

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
6665	0.5	26.91	24.76	0.299	4.800	0.65	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		

Mode 6: Scanning radio 1: (6GHz UNII 5~8) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)

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
6665	0.5	26.91	24.76	0.299	4.800	0.65	<= 1
5755		35.20	33.05	2.018	4.800		
6665		29.56	27.41	0.551	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

**Mode 7: R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)**

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	0.5	33.62	31.47	1.403	4.800	0.9901	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		

Mode 8: R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)

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	0.5	33.62	31.47	1.403	4.800	0.9901	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

Mode 9: Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)

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
5755	0.5	31.99	29.84	0.964	4.800	0.8986	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		



Mode 10: Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)

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
5755	0.5	31.99	29.84	0.964	4.800	0.8986	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

Mode 11: Scanning radio 1: (6GHz UNII 5, 7) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)

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
6625	0.5	33.76	31.61	1.449	4.800	0.9997	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2402;BT-LE		7.95	5.80	0.004	4.800		

Mode 12: Scanning radio 1: (6GHz UNII 5, 7) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)

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
6625	0.5	33.76	31.61	1.449	4.800	0.9997	<= 1
5755		35.20	33.05	2.018	4.800		
6845		33.38	31.23	1.327	4.800		
2405;802.15.4		7.98	5.83	0.004	4.800		

Note: 6ID means Indoor Access Point mode ; 6SD means Standard Power Access Point mode.

—————THE END—————