Testing Laboratory 3787

RADIO EXPOSURE TEST REPORT

FCC ID	:	**QXO-AP5050**
Equipment	:	**Access Point**
Brand Name	:	**Extreme Networks**
Model Name	:	**AP5050D**
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 May 16, 2022, and testing was started from May 30, 2022 and completed on Sep. 09, 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
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A1_1 Ver1.1

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History of this test report

Report No.	Version	Description	Issued Date
FA251735-13	01	Initial issue of report	Mar. 28, 2024

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/manufacturer 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: Vicky Huang

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	5925-6425 6525-6875	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

Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Co-transmitting mode: Mode 1: R1 (2.4GHz + Set 1) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6) Mode 2: R1 (2.4GHz + Set 1) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6) Mode 3: Scaning R1 (5GHz + Set 5) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6) Mode 4: Scaning R1 (5GHz + Set 5) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6) Mode 5: Scaning R1 (6GHz + Set 8) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6) Mode 6: Scaning R1 (6GHz + Set 8) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6)

Note: For antenna sets 1~4, 6~7: The highest gain antenna sets 1, 3, and 6 were selected to test.

1.2 Antenna Information

Set	Ant.	Port							Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
		WLAN 2.4GHz (Radio 1) (Scanning Radio 1)	WLAN 5GHz (Radio 2)	WLAN 5GHz (Scanning Radio 1)	WLAN 6GHz (Radio 5)	WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 3)	GPS (Radio 4)					
1	1	1	-	-	-	-	-	-	WNC	95XEAJ15.G62	Patch	I-PEX	Note 1
	2	2	-	-	-	-	-	-	WNC	95XEAJ15.G62	Patch	I-PEX	
	3	3	-	-	-	-	-	-	WNC	95XEAJ15.G63	Patch	I-PEX	
	4	4	-	-	-	-	-	-	WNC	95XEAJ15.G63	Patch	I-PEX	
2	5	1	-	-	-	-	-	-	WNC	95XEAJ15.G64	Patch	I-PEX	
		2	-	-	-	-	-	-	WNC	95XEAJ15.G64	Patch	I-PEX	
	6	3	-	-	-	-	-	-	WNC	95XEAJ15.G65	Patch	I-PEX	
		4	-	-	-	-	-	-	WNC	95XEAJ15.G65	Patch	I-PEX	
3	7	-	1	-	-	-	-	-	WNC	95XEAJ15.G70	Patch	I-PEX	
	8	-	2	-	-	-	-	-	WNC	95XEAJ15.G70	Patch	I-PEX	
	9	-	3	-	-	-	-	-	WNC	95XEAJ15.G71	Patch	I-PEX	
	10	-	4	-	-	-	-	-	WNC	95XEAJ15.G71	Patch	I-PEX	
4	11	-	1	-	-	-	-	-	WNC	95XEAJ15.G67	Patch	I-PEX	
		-	2	-	-	-	-	-	WNC	95XEAJ15.G67	Patch	I-PEX	
	12	-	3	-	-	-	-	-	WNC	95XEAJ15.G68	Patch	I-PEX	
		-	4	-	-	-	-	-	WNC	95XEAJ15.G68	Patch	I-PEX	
5	13	-	-	1	-	-	-	-	WNC	95XEAJ15.G69	Patch	I-PEX	
		-	-	2	-	-	-	-	WNC	95XEAJ15.G69	Patch	I-PEX	
6	14	-	-	-	1	-	-	-	WNC	95XEAJ15.G72	Patch	I-PEX	
	15	-	-	-	2	-	-	-	WNC	95XEAJ15.G72	Patch	I-PEX	
	16	-	-	-	3	-	-	-	WNC	95XEAJ15.G73	Patch	I-PEX	
	17	-	-	-	4	-	-	-	WNC	95XEAJ15.G73	Patch	I-PEX	
7	18	-	-	-	1	-	-	-	WNC	95XEAJ15.G61	Patch	I-PEX	
		-	-	-	2	-	-	-	WNC	95XEAJ15.G61	Patch	I-PEX	
	19	-	-	-	3	-	-	-	WNC	95XEAJ15.G66	Patch	I-PEX	
		-	-	-	4	-	-	-	WNC	95XEAJ15.G66	Patch	I-PEX	
8	20	-	-	-	-	1	-	-	WNC	95XEAJ15.GA8	Patch	I-PEX	
		-	-	-	-	2	-	-	WNC	95XEAJ15.GA8	Patch	I-PEX	
9	21	-	-	-	-	-	1	-	WNC	95XEAJ15.G74	PCB	I-PEX	
10	22	-	-	-	-	-	-	1	WNC	95XEAJ15.G75	PCB	I-PEX	

Note 1:

Set	Ant.	Port	Antenna Gain (dBi)						Cable loss (dB)			Net Gain (dBi)		
			WLAN 2.4GHz (Radio 1)			WLAN 2.4GHz (Scanning Radio 1)			WLAN 2.4GHz (Radio 1) (Scanning Radio 1)			WLAN 2.4GHz (Radio 1) (Scanning Radio 1)		
			2412MHz	2442MHz	2472MHz	2412MHz	2442MHz	2472MHz	2412MHz	2442MHz	2472MHz	2412MHz	2442MHz	2472MHz
1	1	1	8.8	8.8	8.8	-	-	-	2.6	2.6	2.6	6.2	6.2	6.2
	2	2	8.8	8.8	8.8	-	-	-	3.0	3.0	3.0	5.8	5.8	5.8
	3	3	8.8	8.8	8.8	-	-	-	3.1	3.2	3.2	5.7	5.7	5.7
	4	4	8.8	8.8	8.8	-	-	-	4.3	4.3	4.4	4.5	4.5	4.4
2	5	1	6.2	6.2	6.2	6.2	6.2	6.2	2.6	2.6	2.6	3.6	3.6	3.6
		2	6.2	6.2	6.2	6.2	6.2	6.2	3.0	3.0	3.0	3.2	3.2	3.2
	6	3	6.2	6.2	6.2	6.2	6.2	6.2	4.0	4.0	4.0	2.2	2.2	2.2
		4	6.2	6.2	6.2	6.2	6.2	6.2	4.3	4.3	4.4	1.9	1.9	1.8

Set	Ant.	Port	Antenna Gain (dBi)								Cable loss (dB)								Net Gain (dBi)							
			WLAN 5GHz (Radio 2)				WLAN 5GHz (Scanning Radio 1)				WLAN 5GHz (Radio 2)				WLAN 5GHz (Scanning Radio 1)				WLAN 5GHz (Radio 2)				WLAN 5GHz (Scanning Radio 1)			
			UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3
3	7	1	7.5	8.0	8.1	8.0	-	-	-	-	4.7	4.7	5.1	5.7	-	-	-	-	2.8	3.3	3.0	2.3	-	-	-	-
	8	2	7.5	8.0	8.1	8.0	-	-	-	-	4.3	4.3	5.2	4.7	-	-	-	-	3.2	3.7	2.9	3.3	-	-	-	-
	9	3	7.5	8.0	8.1	8.0	-	-	-	-	4.7	4.7	5.0	4.9	-	-	-	-	2.8	3.3	3.1	3.1	-	-	-	-
	10	4	7.5	8.0	8.1	8.0	-	-	-	-	4.7	4.7	5.6	5.4	-	-	-	-	2.8	3.3	2.5	2.6	-	-	-	-
4	11	1	5.8	6.2	6.3	6.7	-	-	-	-	4.6	4.6	5.6	6.2	-	-	-	-	1.2	1.6	0.7	0.5	-	-	-	-
		2	5.8	6.2	6.3	6.7	-	-	-	-	5.8	5.8	6.2	6.4	-	-	-	-	0	0.4	0.1	0.3	-	-	-	-
	12	3	5.8	6.2	6.3	6.7	-	-	-	-	4.8	4.8	4.9	5.0	-	-	-	-	1.0	1.4	1.4	1.7	-	-	-	-
		4	5.8	6.2	6.3	6.7	-	-	-	-	4.7	4.7	5.5	5.4	-	-	-	-	1.1	1.5	0.8	1.3	-	-	-	-
5	13	1	-	-	-	-	5.8	6.2	6.3	6.7	-	-	-	-	3.9	3.9	3.7	3.5	-	-	-	-	1.9	2.3	2.6	3.2
		2	-	-	-	-	5.8	6.2	6.3	6.7	-	-	-	-	5.0	5.0	3.9	3.9	-	-	-	-	0.8	1.2	2.4	2.8

Set	Ant.	Port	Antenna Gain (dBi)				Cable loss (dB)				Net Gain (dBi)			
			WLAN 6GHz (Radio 5)		WLAN 6GHz (Scanning Radio 1)		WLAN 6GHz (Radio 5)		WLAN 6GHz (Scanning Radio 1)		WLAN 6GHz (Radio 5)		WLAN 6GHz (Scanning Radio 1)	
			UNII 5	UNII 7	UNII 5	UNII 7	UNII 5	UNII 7	UNII 5	UNII 7	UNII 5	UNII 7	UNII 5	UNII 7
6	14	1	6.5	7.8	-	-	2.1	2.3	-	-	4.4	5.5	-	-
	15	2	6.5	7.8	-	-	3.1	2.9	-	-	3.4	4.9	-	-
	16	3	6.5	7.8	-	-	3.1	3.4	-	-	3.4	4.4	-	-
	17	4	6.5	7.8	-	-	3	3.3	-	-	3.5	4.5	-	-
7	18	1	4.9	5.5	-	-	2	2.4	-	-	2.9	3.1	-	-
		2	4.9	5.5	-	-	3.2	3	-	-	1.7	2.5	-	-
	19	3	4.9	5.5	-	-	3.1	3.4	-	-	1.8	2.1	-	-
		4	4.9	5.5	-	-	3.1	3.2	-	-	1.8	2.3	-	-
8	20	1	-	-	4.9	5.5	-	-	3.7	4.5	-	-	1.2	1
		2	-	-	4.9	5.5	-	-	4.1	5.1	-	-	0.8	0.4

Set	Ant.	Antenna Gain (dBi)	
		BT / IEEE802.15.4 (Radio 3)	GPS (Radio 4)
9	21	2.7	-
10	22	-	3

Note 2: The EUT has ten sets of antennas.
Note 3:
The antenna set 1, set 3, set 6 are used for 3dB Beam width (azimuth/elevation)-Narrow Beam: 30/70 degree.
The antenna set 2, set 4, set 7 are used for 3dB Beam width (azimuth/elevation)-Wide Beam: 70/70 degree.

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 ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

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

$g_{j,k} = (Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2$

$DG = 10 \log[(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$

Where ;

G1 = 10 ; G2 = 10 ; G3 = 10 ; G4 = 10 ;

Set 1, Set 3 and Set 6 antenna narrow band 30 degree

2.4G G1 = 6.2 dBi; G2 = 5.8 dBi; G3 = 5.7 dBi; G4 = 4.5 dBi

2.4G 2T1S DG= 9.01 dBi; 2T2S DG= 6 dBi; 4T1S DG= 11.55 dBi; 4T4S DG= 5.55 dBi

5G Band1 G1 = 2.8 dBi; G2 = 3.2 dBi; G3 = 2.8 dBi; G4 = 2.8 dBi

5G Band1 2T1S DG= 6.01 dBi; 2T2S DG= 3 dBi; 4T1S DG= 8.92 dBi; 4T4S DG= 2.90 dBi

5G Band2 G1 = 3.3 dBi; G2 = 3.7 dBi; G3 = 3.3 dBi; G4 = 3.3

5G Band2 2T1S DG= 6.46 dBi; 2T2S DG= 3.46 dBi; 4T1S DG= 9.30 dBi; 4T4S DG= 3.28 dBi

5G Band3 G1 = 3 dBi; G2 = 2.9 dBi; G3 = 3.1 dBi; G4 = 2.5

5G Band3 2T1S DG= 6.06 dBi; 2T2S DG= 3.06 dBi; 4T1S DG= 9.10 dBi; 4T4S DG= 3.08 dBi

5G Band4 G1 = 2.3 dBi; G2 = 3.3 dBi; G3 = 3.1 dBi; G4 = 2.6

5G Band4 2T1S DG= 5.82 dBi; 2T2S DG= 2.83 dBi; 4T1S DG= 8.85 dBi; 4T4S DG= 2.84 dBi

6G UNII-5 G1= 4.4 dBi ; G2= 3.4 dBi ; G3= 3.4 dBi ; G4= 3.5 dBi

4T1S DG= 9.71dBi ;2T2S DG= 4.4dBi ;4T4S DG= 4.4dBi

6G UNII-7 G1= 5.5 dBi ; G2= 4.9 dBi ; G3= 4.4 dBi ; G4= 4.5 dBi

4T1S DG= 10.86dBi ;2T2S DG= 5.5dBi ;4T4S DG= 5.5dBi

Set 2, Set 4 and Set 7 antenna wide band 70 degree

2.4G G1 = 3.6 dBi; G2 = 3.2 dBi; G3 = 2.2 dBi; G4 = 1.9 dBi

2.4G 2T1S DG= 9.01 dBi; 2T2S DG= 6 dBi; 4T1S DG= 11.55 dBi; 4T4S DG= 5.55 dBi

5G Band1 G1 = 1.2 dBi; G2 = 0 dBi; G3 = 1 dBi; G4 = 1.1 dBi

5G Band1 2T1S DG= 3.63 dBi; 2T2S DG= 0.64 dBi; 4T1S DG= 6.86 dBi; 4T4S DG= 0.85 dBi

5G Band2 G1 = 1.6 dBi; G2 = 0.4 dBi; G3 = 1.4 dBi; G4 = 1.5 dBi

5G Band2 2T1S DG= 4.03 dBi; 2T2S DG= 1.04 dBi; 4T1S DG= 7.26 dBi; 4T4S DG= 1.25 dBi

5G Band3 G1 = 0.7 dBi; G2 = 0.1 dBi; G3 = 1.4 dBi; G4 = 0.8 dBi

5G Band3 2T1S DG= 3.42 dBi; 2T2S DG= 0.41 dBi; 4T1S DG= 6.78 dBi; 4T4S DG= 0.77 dBi

5G Band4 G1 = 0.5 dBi; G2 = 0.3 dBi; G3 = 1.7 dBi; G4 = 1.3 dBi

5G Band4 2T1S DG= 3.41 dBi; 2T2S DG= 0.40 dBi; 4T1S DG= 6.99 dBi; 4T4S DG= 0.99 dBi

6G UNII-5 G1= 2.9 dBi ; G2= 1.7 dBi ; G3= 1.8 dBi ; G4= 1.8 dBi

4T1S DG= 8.08dBi ;2T2S DG= 2.9dBi ;4T4S DG= 2.9dBi

6G UNII-7 G1= 3.1 dBi ; G2= 2.5 dBi ; G3= 2.1 dBi ; G4= 2.3 dBi

4T1S DG= 8.53dBi ;2T2S DG= 3.1dBi ;4T4S DG= 3.1dBi

Set 5 and Set 8 antenna scanning radio

5G Band1 G1 = 1.9 dBi; G2 = 0.8 dBi

5G Band1 2T1S DG= 4.38 dBi; 2T2S DG= 1.38 dBi

5G Band2 G1 = 2.3 dBi; G2 = 1.2 dBi

5G Band2 2T1S DG= 4.78 dBi; 2T2S DG= 1.78 dBi

5G Band3 G1 = 2.6 dBi; G2 = 2.4 dBi

5G Band3 2T1S DG= 5.51 dBi; 2T2S DG= 2.50 dBi

5G Band4 G1 = 3.2 dBi; G2 = 2.8 dBi

5G Band4 2T1S DG= 6.01 dBi; 2T2S DG= 3.00 dBi

6G UNII-5 G1= 1.2 dBi ; G2= 0.8 dBi ;

2T2S DG= 1.2dBi

6G UNII-7 G1= 1 dBi ; G2= 0.4 dBi ;

2T2S DG= 1dBi

For Radio 1
For 2.4GHz:
For IEEE 802.11b/g/n/VHT/ax mode (1TX, 2TX, 4TX/4RX):
1TX
Only Port 1 can be use as transmitting antenna.
2TX
Port 1, Port 2 can be use as transmitting antenna.
Port 1, Port 2 could transmitting simultaneously.
4TX
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
4RX
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 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, 7:
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, 2TX, 4TX/4RX):
1TX
Only Port 1 can be use as transmitting antenna.
2TX
Port 1, Port 2 can be use as transmitting antenna.
Port 1, Port 2 could transmitting simultaneously.
4TX
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
4RX
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 3
Bluetooth / IEEE802.15.4 (1TX):
Only Port 1 can be used as transmitting antenna.

For Radio 4
GPS (1RX):
Only Port 1 can be used as receiving antenna.

For Radio 5
For 6GHz UNII 5, 7:
For IEEE 802.11ax mode (1TX, 2TX, 4TX/4RX):
1TX
Only Port 1 can be use as transmitting antenna.
2TX
Port 1, Port 2 can be use as transmitting antenna.
Port 1, Port 2 could transmitting simultaneously.
4TX
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
4RX
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.

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	6GHz	Scanning radio (WLAN 2.4GHz 4TX / 5GHz 2TX / 6GHz 2TX)	Bluetooth / IEEE802.15.4	GPS
R1	V (AP, Bridge, Mesh)	-	-	V (AP, Bridge, Mesh for 2.4GHz, AP for 5GHz UNII 1~3, AP for 6GHz UNII 5, 7)	-	-
R2	-	V (AP for UNII 1~3 / Bridge, Mesh for UNII 1, 3)	-	-	-	-
R3	-	-	-	-	V	-
R4	-	-	-	-	-	V
R5	-	-	V (AP for UNII 5, 7)	-	-	-

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: FA251735-05
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding 6GHz function (UNII 5, UNII 7) for the device. 2. Updating calculated distance from “51” cm to “55” cm	RF Exposure

1.6 Accessories

Accessories
Bracket*1
Sealing Collar*2

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.	

Note: The tested sample of the output power of 6GHz was received on May 05, 2023.

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/ cm²)	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/f²)	<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/ cm²)	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/f²)	<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 55 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: *Pd* (W/m²) = $\frac{E^2}{377}$

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.

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

Where

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

and

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

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 > λ / 2 π.

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^2f.
1,500-100,000	19.2R^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 indoor / outdoor use

Set 1 antenna with narrow beam 30 degree

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 1T1S	6.20	24.14	30.34	0.50	30.84	1.21339	55	0.03192	1.00000
2.4G;G1D 2T1S	6.20	27.09	33.29	0.50	33.79	2.39332	55	0.06296	1.00000
2.4G;D1D 2T2S	6.00	24.02	30.02	0.50	30.52	1.12720	55	0.02965	1.00000
2.4G;G1D 4T1S	6.20	29.66	35.86	0.13	35.99	3.97192	55	0.10449	1.00000
2.4G;D1D 4T1S-BF	11.55	24.42	35.97	0.02	35.99	3.97192	55	0.10449	1.00000
2.4G;D1D 4T4S	5.55	25.61	31.16	0.50	31.66	1.46555	55	0.03855	1.00000

Set 2 antenna with wide beam 70 degree

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 1T1S	3.60	24.67	28.27	0.50	28.77	0.75336	55	0.01982	1.00000
2.4G;G1D 2T1S	3.60	27.45	31.05	0.50	31.55	1.42889	55	0.03759	1.00000
2.4G;D1D 2T2S	3.40	24.77	28.17	0.50	28.67	0.73621	55	0.01937	1.00000
2.4G;G1D 4T1S	3.60	29.80	33.40	0.50	33.90	2.45471	55	0.06457	1.00000
2.4G;D1D 4T1S-BF	8.75	25.83	34.58	0.50	35.08	3.22107	55	0.08473	1.00000
2.4G;D1D 4T4S	2.76	26.60	29.36	0.50	29.86	0.96828	55	0.02547	1.00000

For Radio 2 UNII 1 indoor / UNII2A~UNII 3 indoor, outdoor use

Set 3 antenna with narrow beam 30 degree

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 1T1S	2.80	25.41	28.21	0.50	28.71	0.74302	55	0.01955	1.00000
5.2G;D1D 2T1S	3.20	26.27	29.47	0.50	29.97	0.99312	55	0.02612	1.00000
5.2G;D1D 2T2S	3.00	26.59	29.59	0.50	30.09	1.02094	55	0.02686	1.00000
5.2G;D1D 4T1S	3.20	28.37	31.57	0.50	32.07	1.61065	55	0.04237	1.00000
5.2G;D1D 4T1S-BF	8.92	27.05	35.97	0.02	35.99	3.97192	55	0.10449	1.00000
5.2G;D1D 4T4S	2.90	29.80	32.70	0.50	33.20	2.08930	55	0.05496	1.00000
5.3G;D1D 1T1S	3.20	23.77	26.97	0.50	27.47	0.55847	55	0.01469	1.00000
5.3G;D1D 2T1S	3.70	23.75	27.45	0.50	27.95	0.62373	55	0.01641	1.00000
5.3G;D1D 2T2S	3.46	23.90	27.36	0.50	27.86	0.61094	55	0.01607	1.00000
5.3G;D1D 4T1S	3.70	23.94	27.64	0.50	28.14	0.65163	55	0.01714	1.00000
5.3G;D1D 4T1S-BF	9.30	20.66	29.96	0.03	29.99	0.99770	55	0.02625	1.00000
5.3G;D1D 4T4S	3.28	23.96	27.24	0.50	27.74	0.59429	55	0.01563	1.00000
5.6G;D1D 1T1S	2.80	23.23	26.03	0.50	26.53	0.44978	55	0.01183	1.00000

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)
5.6G;D1D 2T1S	3.30	23.93	27.23	0.50	27.73	0.59293	55	0.01560	1.00000
5.6G;D1D 2T2S	3.06	23.95	27.01	0.50	27.51	0.56364	55	0.01483	1.00000
5.6G;D1D 4T1S	3.30	23.95	27.25	0.50	27.75	0.59566	55	0.01567	1.00000
5.6G;D1D 4T1S-BF	9.10	20.85	29.95	0.04	29.99	0.99770	55	0.02625	1.00000
5.6G;D1D 4T4S	3.08	23.95	27.03	0.50	27.53	0.56624	55	0.01490	1.00000
5.8G;D1D 1T1S	2.30	26.84	29.14	0.50	29.64	0.92045	55	0.02421	1.00000
5.8G;D1D 2T1S	3.30	27.93	31.23	0.50	31.73	1.48936	55	0.03918	1.00000
5.8G;D1D 2T2S	2.83	28.17	31.00	0.50	31.50	1.41254	55	0.03716	1.00000
5.8G;D1D 4T1S	3.30	29.88	33.18	0.50	33.68	2.33346	55	0.06138	1.00000
5.8G;D1D 4T1S-BF	8.85	27.08	35.93	0.06	35.99	3.97192	55	0.10449	1.00000
5.8G;D1D 4T4S	2.84	29.91	32.75	0.50	33.25	2.11349	55	0.05560	1.00000

Set 4 antenna with wide beam 70 degree

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 1T1S	1.20	24.05	25.25	0.50	25.75	0.37584	55	0.00989	1.00000
5.2G;D1D 2T1S	1.20	26.36	27.56	0.50	28.06	0.63973	55	0.01683	1.00000
5.2G;D1D 2T2S	0.64	26.39	27.03	0.50	27.53	0.56624	55	0.01490	1.00000
5.2G;D1D 4T1S	1.20	28.96	30.16	0.50	30.66	1.16413	55	0.03062	1.00000
5.2G;D1D 4T1S-BF	6.86	28.95	35.81	0.18	35.99	3.97192	55	0.10449	1.00000
5.2G;D1D 4T4S	0.85	29.17	30.02	0.50	30.52	1.12720	55	0.02965	1.00000
5.3G;D1D 1T1S	1.60	23.83	25.43	0.50	25.93	0.39174	55	0.01031	1.00000
5.3G;D1D 2T1S	1.60	23.91	25.51	0.50	26.01	0.39902	55	0.01050	1.00000
5.3G;D1D 2T2S	1.04	23.90	24.94	0.50	25.44	0.34995	55	0.00921	1.00000
5.3G;D1D 4T1S	1.60	23.97	25.57	0.50	26.07	0.40458	55	0.01064	1.00000
5.3G;D1D 4T1S-BF	7.26	22.69	29.95	0.04	29.99	0.99770	55	0.02625	1.00000
5.3G;D1D 4T4S	1.25	23.94	25.19	0.50	25.69	0.37068	55	0.00975	1.00000
5.6G;D1D 1T1S	0.70	23.47	24.17	0.50	24.67	0.29309	55	0.00771	1.00000
5.6G;D1D 2T1S	0.70	23.86	24.56	0.50	25.06	0.32063	55	0.00843	1.00000
5.6G;D1D 2T2S	0.41	23.97	24.38	0.50	24.88	0.30761	55	0.00809	1.00000
5.6G;D1D 4T1S	1.40	23.92	25.32	0.50	25.82	0.38194	55	0.01005	1.00000
5.6G;D1D 4T1S-BF	6.78	23.14	29.92	0.07	29.99	0.99770	55	0.02625	1.00000
5.6G;D1D 4T4S	0.77	23.94	24.71	0.50	25.21	0.33189	55	0.00873	1.00000
5.8G;D1D 1T1S	0.50	26.08	26.58	0.50	27.08	0.51050	55	0.01343	1.00000
5.8G;D1D 2T1S	0.50	26.01	26.51	0.50	27.01	0.50234	55	0.01321	1.00000
5.8G;D1D 2T2S	0.40	29.34	29.74	0.50	30.24	1.05682	55	0.02780	1.00000
5.8G;D1D 4T1S	1.70	29.97	31.67	0.50	32.17	1.64816	55	0.04336	1.00000
5.8G;D1D 4T1S-BF	6.99	28.96	35.95	0.04	35.99	3.97192	55	0.10449	1.00000
5.8G;D1D 4T4S	0.99	29.60	30.59	0.50	31.09	1.28529	55	0.03381	1.00000

For Scanning radio 1 UNII 1 indoor / UNII2A~UNII 3 indoor, outdoor use

Set 5 antenna with wide beam 70 degree

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 2T1S	1.90	25.48	27.38	0.50	27.88	0.61376	55	0.01615	1.00000
5.2G;D1D 2T2S	1.38	25.11	26.49	0.50	26.99	0.50003	55	0.01315	1.00000
5.3G;D1D 2T1S	2.30	23.40	25.70	0.50	26.20	0.41687	55	0.01097	1.00000
5.6G;D1D 2T1S	2.60	23.90	26.50	0.50	27.00	0.50119	55	0.01318	1.00000
5.8G;D1D 2T1S	3.20	24.77	27.97	0.50	28.47	0.70307	55	0.01850	1.00000
5.8G;D1D 2T2S	3.00	27.39	30.39	0.50	30.89	1.22744	55	0.03229	1.00000

For Radio 3 indoor / outdoor use

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	2.70	4.02	6.72	0.50	7.22	0.00527	55	0.00014	1.00000
2.4G;QPSK	2.70	4.08	6.78	0.50	7.28	0.00535	55	0.00014	1.00000

For Radio 2 UNII 1 outdoor use

Set 3 antenna with narrow beam 30 degree

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 1T1S	2.80	22.65	25.45	0.50	25.95	0.39355	55	0.01035	1.00000
5.2G;D1D 2T1S	3.20	22.93	26.13	0.50	26.63	0.46026	55	0.01211	1.00000
5.2G;D1D 2T2S	3.00	22.91	25.91	0.50	26.41	0.43752	55	0.01151	1.00000
5.2G;D1D 4T1S	3.20	22.93	26.13	0.50	26.63	0.46026	55	0.01211	1.00000
5.2G;D1D 4T1S-BF	8.92	16.87	25.79	0.50	26.29	0.42560	55	0.01120	1.00000
5.2G;D1D 4T4S	2.90	22.92	25.82	0.50	26.32	0.42855	55	0.01127	1.00000

Set 4 antenna with wide beam 70 degree

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 1T1S	1.20	17.90	19.10	0.50	19.60	0.09120	55	0.00240	1.00000
5.2G;D1D 2T1S	1.20	17.69	18.89	0.50	19.39	0.08690	55	0.00229	1.00000
5.2G;D1D 2T2S	0.64	17.87	18.51	0.50	19.01	0.07962	55	0.00209	1.00000
5.2G;D1D 4T1S	1.20	17.90	19.10	0.50	19.60	0.09120	55	0.00240	1.00000
5.2G;D1D 4T1S-BF	6.86	11.77	18.63	0.50	19.13	0.08185	55	0.00215	1.00000
5.2G;D1D 4T4S	0.85	17.90	18.75	0.50	19.25	0.08414	55	0.00221	1.00000

For Scanning radio 1 UNII 1 outdoor use

Set 5 antenna with wide beam 70 degree

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 2T1S	1.90	17.40	19.30	0.50	19.80	0.09550	55	0.00251	1.00000
5.2G;D1D 2T2S	1.38	17.32	18.70	0.50	19.20	0.08318	55	0.00219	1.00000

For Scanning radio 1 UNII 5, 7 outdoor use

Set 8 antenna with wide beam 70 degree

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	1.20	20.05	21.25	0.50	21.75	0.14962	55	0.00394	1.00000
6.2G;D1D 2T2S	1.00	20.06	21.06	0.50	21.56	0.14322	55	0.00377	1.00000

For Radio 5 UNII 5, 7 outdoor use

Set 6 antenna with narrow beam 30 degree

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 1T1S	4.40	25.51	29.91	0.50	30.41	1.09901	55	0.02891	1.00000
6.2G;D1D 2T2S	4.40	25.50	29.90	0.50	30.40	1.09648	55	0.02884	1.00000
6.2G;D1D 4T1S	4.40	25.54	29.94	0.50	30.44	1.10662	55	0.02911	1.00000
6.2G;D1D 4T1S-BF	9.71	19.52	29.23	0.50	29.73	0.93972	55	0.02472	1.00000
6.2G;D1D 4T4S	4.40	25.53	29.93	0.50	30.43	1.10408	55	0.02904	1.00000
6.7G;D1D 1T1S	5.50	25.53	31.03	0.50	31.53	1.42233	55	0.03742	1.00000
6.7G;D1D 2T2S	5.50	25.55	31.05	0.50	31.55	1.42889	55	0.03759	1.00000
6.7G;D1D 4T1S	5.50	25.52	31.02	0.50	31.52	1.41906	55	0.03733	1.00000
6.7G;D1D 4T1S-BF	10.86	19.52	30.38	0.50	30.88	1.22462	55	0.03221	1.00000
6.7G;D1D 4T4S	5.50	25.55	31.05	0.50	31.55	1.42889	55	0.03759	1.00000

Set 7 antenna with wide beam 70 degree

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 1T1S	2.90	19.00	21.90	0.50	22.40	0.17378	55	0.00457	1.00000
6.2G;D1D 2T2S	2.90	18.97	21.87	0.50	22.37	0.17258	55	0.00454	1.00000
6.2G;D1D 4T1S	2.90	19.02	21.92	0.50	22.42	0.17458	55	0.00459	1.00000
6.2G;D1D 4T1S-BF	8.08	12.97	21.05	0.50	21.55	0.14289	55	0.00376	1.00000
6.2G;D1D 4T4S	2.90	19.02	21.92	0.50	22.42	0.17458	55	0.00459	1.00000
6.7G;D1D 1T1S	3.10	18.99	22.09	0.50	22.59	0.18155	55	0.00478	1.00000
6.7G;D1D 2T2S	3.10	19.02	22.12	0.50	22.62	0.18281	55	0.00481	1.00000
6.7G;D1D 4T1S	3.10	19.00	22.10	0.50	22.60	0.18197	55	0.00479	1.00000
6.7G;D1D 4T1S-BF	8.53	12.95	21.48	0.50	21.98	0.15776	55	0.00415	1.00000
6.7G;D1D 4T4S	3.10	18.97	22.07	0.50	22.57	0.18072	55	0.00475	1.00000

MPE Exemption Option C							
Frequency (MHz)	λ/2π (m)	R (m)	Tune-up EIRP (dBm)	Tune-up ERP (dBm)	Tune-up ERP (W)	ERP Threshold (W)	MPE Exemption
Radio 1-2417	0.0197	0.55	35.99	33.84	2.421	5.808	Complies
Radio 1-5825	0.0082		30.89	28.74	0.748	5.808	Complies
Radio 2-5240	0.0091		35.99	33.84	2.421	5.808	Complies
Radio 3-2405	0.0198		7.28	5.13	0.003	5.808	Complies
Radio 3-2402	0.0199		7.22	5.07	0.003	5.808	Complies
Radio 1-6535	0.0073		31.55	29.40	0.871	5.808	Complies
Radio 5-6225	0.0077		21.75	19.60	0.091	5.808	Complies

Simultaneous Transmission Analysis Mode:

Mode 1: R1 (2.4GHz + Set 1) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6)

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
2417	0.55	35.99	33.84	2.421	5.808	0.98	<= 1
5240		35.99	33.84	2.421	5.808		
2402		7.22	5.07	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

Mode 2: R1 (2.4GHz + Set 1) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6)

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
2417	0.55	35.99	33.84	2.421	5.808	0.98	<= 1
5240		35.99	33.84	2.421	5.808		
2405		7.28	5.13	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

Mode 3: Scaning R1 (5GHz + Set 5) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6)

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
5825	0.55	30.89	28.74	0.748	5.808	0.70	<= 1
5240		35.99	33.84	2.421	5.808		
2402		7.22	5.07	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

Mode 4: Scaning R1 (5GHz + Set 5) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6)

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
5825	0.55	30.89	28.74	0.748	5.808	0.70	<= 1
5240		35.99	33.84	2.421	5.808		
2405		7.28	5.13	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

Mode 5: Scaning R1 (6GHz + Set 8) + R2 (5GHz + Set 3) + R3 (BT) + R5 (6GHz + Set 6)

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
6225	0.55	21.75	19.60	0.091	5.808	0.58	<= 1
5240		35.99	33.84	2.421	5.808		
2402		7.22	5.07	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

Mode 6: Scaning R1 (6GHz + Set 8) + R2 (5GHz + Set 3) + R3 (IEEE802.15.4) + R5 (6GHz + Set 6)

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
6225	0.55	21.75	19.60	0.091	5.808	0.58	<= 1
5240		35.99	33.84	2.421	5.808		
2405		7.28	5.13	0.003	5.808		
6535		31.55	29.40	0.871	5.808		

———THE END———