



RADIO EXPOSURE TEST REPORT

FCC ID : Z8H89FT0072

Equipment : XE5-8

Brand Name : Cambium Networks

Model Name : XE5-8

Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA

Manufacturer : Cambium Networks, Ltd.
Ashburton, TQ13 7UP, UK

Standard : 47 CFR Part 2.1091

The product was received on Dec. 07, 2021, and testing was started from Dec. 07, 2021 and completed on Jun. 26, 2022. 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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 EUT General Information	5
1.2 Antenna Information	6
1.3 Table of Radio Function	11
1.4 Table for EUT Operation Function	11
1.5 Table for Permissive Change	12
1.6 Accessories	12
1.7 Applicable Standards	12
1.8 Testing Location	12
2 Maximum Permissible Exposure	13
2.1 Limit of Maximum Permissible Exposure	13
2.2 MPE Calculation Method	13
2.3 MPE Exemption	14
2.4 Calculated Result and Limit.....	15

Photographs of EUT v01



History of this test report

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

Page Number : 3 of 20
Issued Date : Jan. 19, 2023
Report Version : 01



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: 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 5725-5895	5180-5250 5250-5320 5500-5720 5745-5825 5815-5885	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	5925-7125	5955-7115	802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM)
Bluetooth	2400-2483.5	2402-2480	LE: GFSK



1.2 Antenna Information

Radio	Ant.	2.4GHz port	5GHz port	5GHz port	6E port	Bluetooth	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	4	4 (High band)	4 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	Note 1
	2	3	3 (High band)	3 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	3	2	2 (High band)	2 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	4	1	1 (High band)	1 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
1	5	-	4 (Low band)	8 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	6	-	3 (Low band)	7 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	7	-	2 (Low band)	6 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	8	-	1 (Low band)	5 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
2	9	-	4		4	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	10	-	2		2	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	11	-	3		3	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	12	-	1		1	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
3	13	-	4		4	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	14	-	2		2	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	15	-	3		3	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	16	-	1		1	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
4	17	-	-	-	-	1	ACCTON	GT128V007S-001	Chip antenna	N/A	

Note 1:

Radio 1 and Radio 4

Ant.	Antenna Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	4.51	4.09	3.06	3.82	3.60	-
2	4.97	4.40	5.70	3.79	2.99	-
3	4.66	5.17	5.99	4.38	3.52	-
4	5.95	4.64	4.09	4.19	3.36	-
5	-	3.39	3.58	3.34	2.01	-
6	-	3.70	3.39	2.52	3.03	-
7	-	3.10	3.68	2.83	2.84	-
8	-	2.82	3.13	2.19	2.61	-
17	-	-	-	-	-	3.24

**Mode 1: 2.4GHz 4TX and 5GHz UNII 1~UNII 3 8TX**

Ant.	Directional Gain (dBi)																		
	WLAN 2.4GHz			WLAN 5GHz															
				UNII 1				UNII 2A				UNII 2C				UNII 3			
	4T1S	4T2S	4T4S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S
1	9.91	6.91	3.96	8.39	5.39	5.17	0.57	8.65	5.99	5.99	0.76	7.37	4.38	4.38	0.01	7.13	4.13	3.60	-0.40
2																			
3																			
4																			
5	-	-	-																
6	-	-	-																
7	-	-	-																
8	-	-	-																

Mode 2: 2.4GHz, 5GHz UNII 1~UNII 2A and 5GHz UNII 2C~UNII 3 4TX

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz			WLAN 5GHz											
				UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1	9.91	6.91	3.96	-	-	-	-	-	-	8.67	5.67	2.75	8.15	5.15	2.27
2															
3															
4															
5	-	-	-	7.35	4.35	1.38	7.38	4.38	1.47	-	-	-	-	-	-
6	-	-	-												
7	-	-	-												
8	-	-	-												

**For Radio 2~Radio 3**

Ant.	Antenna Gain (dBi)							
	WLAN 5GHz UNII 1~UNII 3				WLAN 6E			
	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
9	3.56	4.37	3.82	4.70	4.96	3.57	3.72	4.44
10	1.25	3.18	3.45	1.86	4.40	3.52	3.12	3.31
11	4.27	4.24	2.25	3.64	4.14	2.03	3.08	4.86
12	1.94	2.59	2.08	3.11	4.85	2.60	3.43	3.41
13	3.25	3.68	3.74	2.90	4.16	2.52	0.71	2.03
14	2.35	4.20	2.48	3.96	4.72	2.06	1.91	2.03
15	3.07	3.84	2.89	2.61	2.24	1.61	2.74	2.45
16	3.41	3.65	1.81	3.31	3.43	3.56	2.35	1.93

Ant.	Antenna Gain (dBi)		
	WLAN 5GHz UNII 4		
	5.85 GHz	5.885 GHz	5.895 GHz
9	3.6	3.74	3.59
10	3.2	2.71	2.88
11	4.16	4.53	4.72
12	3.19	3.54	3.26
13	1.04	2.35	2.53
14	1.61	2.03	2.09
15	2.87	3.06	2.69
16	2.33	2.17	1.77

**For 5GHz UNII 1~UNII 3**

Ant.	Directional Gain (dBi)											
	WLAN 5GHz UNII 1~UNII 3											
	UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	6.84	4.27	0.94	7.38	4.38	1.63	5.12	3.82	-0.67	5.70	4.70	0.08
10												
11												
12												
13	6.79	3.79	0.92	6.16	4.20	0.76	4.51	3.74	-0.79	5.60	3.96	0.29
14												
15												
16												

For 5GHz UNII 4

Ant.	Directional Gain (dBi)								
	WLAN 5GHz UNII 4								
	5.85GHz			5.885GHz			5.895GHz		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	6.95	4.16	4.16	7.21	4.53	4.53	7.26	4.72	4.72
10									
11									
12									
13	5.03	2.87	2.87	5.58	3.06	3.06	5.59	2.69	2.69
14									
15									
16									

**For 6GHz UNII 5~8**

Ant.	Directional Gain (dBi)											
	WLAN 6E											
	UNII 5			UNII 6			UNII 7			UNII 8		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	7.11	4.96	1.27	6.27	3.57	0.39	6.05	3.72	0.36	7.06	4.86	1.54
10												
11												
12												
13	7.06	4.72	1.39	6.25	3.56	0.34	4.86	2.74	-0.72	5.56	2.56	-0.38
14												
15												
16												

Note 2: The EUT has seventeen antennas.

Note 3: The brand/model/antenna type information was declared by manufacturer.

Note 4: Maximum Directional Gain following KDB662911 D03.

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

Note 5: Because radio 2 and radio 3 are the same radio, the Directional Gain of radio 2 is higher than radio 3. Thus, radio 2 was tested and recorded in the report.

For 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 and UNII 3 (SBS Mode):**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 5GHz UNII 1 and UNII 3 (DBS Mode):**For IEEE 802.11a/n/ac/ax mode (8TX/8RX):**

Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7, Port 8 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7, Port 8 could transmit/receive simultaneously.

For Radio 2 and Radio 3
For 5GHz UNII 1, 3 and UNII 4:
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 6GHz UNII 5~8:
For IEEE 802.11ax 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 4
For Bluetooth:

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

1.3 Table of Radio Function

Radio (R)	2.4GHz	5GHz UNII 1~3	5GHz UNII 1~4	6E UNII 5~8	Bluetooth
1	V (BW:20/40MHz)	V (BW:20/40/80/80+80MHz)	-	-	-
2 (Pine 1)	-	-	V (BW:20/40/80/160MHz)	V	-
3 (Pine 2)	-	-	V (BW:20/40/80/160MHz)	V	-
4	-	-	-	-	V

1.4 Table for EUT Operation Function

Mode	Operation Function
1	DBS Mode: R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 4/6GHz+ R3: 5GHz UNII 1~UNII 4/6GHz+R4: BT
2	SBS Mode: R1: 2.4GHz/5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 4/6GHz+ R3: 5GHz UNII 1~UNII 4/6GHz+R4: BT



1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FA142255-01

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

Modifications	Performance Checking
1. Add UNII 4 band for Radio 2 and Radio 3 2. Add UNII 2A and UNII 2C (5250~5350MHz and 5470~5725MHz) for this device. 3. Add 160MHz for Radio 2 and Radio 3. 4. Add 80+80MHz mode in DBS Mode for Radio 1.	Maximum Permissible Exposure

Note: RF Exposure Evaluation of Bluetooth, WLAN 5GHz UNII 1/UNII 3, WLNA 6GHz UNII 5~UNII 8 and WLN 2.4GHz Band are based on original test report.

1.6 Accessories

Accessories
Cradle*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 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 75 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

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

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

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	9.91	25.48	35.39	0.50	35.89	3.88150	75	0.05491	1.00000
5.2G;D1D 8TX	8.17	27.68	35.85	0.14	35.99	3.97192	75	0.05619	1.00000
5.3G;D1D 8TX	8.99	20.93	29.92	0.07	29.99	0.99770	75	0.01411	1.00000
5.6G;D1D 8TX	7.37	22.49	29.86	0.13	29.99	0.99770	75	0.01411	1.00000
5.8G;D1D 8TX	7.13	28.81	35.94	0.05	35.99	3.97192	75	0.05619	1.00000
5.2G;D1D 4TX	7.35	26.54	33.89	0.50	34.39	2.74789	75	0.03887	1.00000
5.3G;D1D 4TX	7.38	22.45	29.83	0.32	30.15	1.03514	75	0.01464	1.00000
5.6G;D1D 4TX	8.67	21.29	29.96	0.03	29.99	0.99770	75	0.01411	1.00000
5.8G;D1D 4TX	8.15	26.75	34.90	0.50	35.40	3.46737	75	0.04905	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	6.84	28.06	34.90	0.50	35.40	3.46737	75	0.04905	1.00000
5.3G;D1D	7.38	22.48	29.86	0.13	29.99	0.99770	75	0.01411	1.00000
5.6G;D1D	5.12	23.93	29.05	0.50	29.55	0.90157	75	0.01275	1.00000
5.8G;D1D	5.70	29.34	35.04	0.50	35.54	3.58096	75	0.05066	1.00000
5.81G;D1D	7.26	28.64	35.90	0.09	35.99	3.97192	75	0.05619	1.00000
6.2G;D1D	-	25.78	25.78	0.50	26.28	0.42462	75	0.00601	1.00000
6.4G;D1D	-	27.37	27.37	0.50	27.87	0.61235	75	0.00866	1.00000
6.7G;D1D	-	28.13	28.13	0.50	28.63	0.72946	75	0.01032	1.00000
7.0G;D1D	-	26.23	26.23	0.50	26.73	0.47098	75	0.00666	1.00000
BT	3.24	10.09	13.33	0.50	13.83	0.02415	75	0.00034	1.00000

**For Radio 3**

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	6.79	28.06	34.85	0.50	35.35	3.42768	75	0.04849	1.00000
5.8G;D1D	5.60	29.34	34.94	0.50	35.44	3.49945	75	0.04951	1.00000
6.2G;D1D	-	25.90	25.90	0.50	26.40	0.43652	75	0.00618	1.00000
6.4G;D1D	-	23.40	23.40	0.50	23.90	0.24547	75	0.00347	1.00000
6.7G;D1D	-	26.38	26.38	0.50	26.88	0.48753	75	0.00690	1.00000
7.0G;D1D	-	26.60	26.60	0.50	27.10	0.51286	75	0.00726	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)
BT	3.24	10.09	13.33	0.50	13.83	0.02415	75	0.00034	1.00000



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	0.75	35.89	33.74	2.366	10.800	Complies
5240	0.0091		35.99	33.84	2.421	10.800	Complies
5785	0.0082		35.99	33.84	2.421	10.800	Complies
5785	0.0082		35.40	33.25	2.113	10.800	Complies
5200	0.0092		34.39	32.24	1.675	10.800	Complies
5200	0.0092		35.40	33.25	2.113	10.800	Complies
5785	0.0082		35.54	33.39	2.183	10.800	Complies
5200	0.0092		35.35	33.20	2.089	10.800	Complies
5785	0.0082		35.44	33.29	2.133	10.800	Complies
6825	0.0070		28.63	26.48	0.445	10.800	Complies
6985	0.0068		27.10	24.95	0.313	10.800	Complies
2440	0.0196		13.83	11.68	0.015	10.800	Complies
5835	0.0082		35.99	33.84	2.421	10.800	Complies
5835	0.0082		34.73	32.58	1.811	10.800	Complies

Simultaneous Transmission Analysis

Mode 1:DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 4+R3: 5GHz UNII 1~UNII 4
+R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.87	<= 1
5785		35.99	33.84	2.421	10.800		
5835		35.99	33.84	2.421	10.800		
5785		35.44	33.29	2.133	10.800		
2440		13.83	11.68	0.015	10.800		



Mode 2: DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 4+R3: 6GHz UNII 5~UNII 8 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.70	<= 1
5785		35.99	33.84	2.421	10.800		
5835		35.99	33.84	2.421	10.800		
6985		27.10	24.95	0.313	10.800		
2440		13.83	11.68	0.015	10.800		

Mode 3: DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 6GHz UNII 5~UNII 8+R3: 5GHz UNII 1~UNII 4 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.68	<= 1
5785		35.99	33.84	2.421	10.800		
6825		28.63	26.48	0.445	10.800		
5835		35.44	33.29	2.133	10.800		
2440		13.83	11.68	0.015	10.800		

Mode 4: DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 6GHz UNII 5~UNII 8+R3: 6GHz UNII 5~UNII 8 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.51	<= 1
5785		35.99	33.84	2.421	10.800		
6825		28.63	26.48	0.445	10.800		
6985		27.10	24.95	0.313	10.800		
2440		13.83	11.68	0.015	10.800		



Mode 5: DBS Mode:R1: 2.4GHz/SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 4+R3: 5GHz UNII 1~UNII 4 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.993	<= 1
5200		34.39	32.24	1.675	10.800		
5745		35.40	33.25	2.113	10.800		
5835		35.99	33.84	2.421	10.800		
5785		35.44	33.29	2.133	10.800		
2440		13.83	11.68	0.015	10.800		

Mode 6: DBS Mode:R1: 2.4GHz/SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 4+R3: 6GHz UNII 5~UNII 8 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.82	<= 1
5200		34.39	32.24	1.675	10.800		
5745		35.40	33.25	2.113	10.800		
5785		35.99	33.84	2.421	10.800		
6985		27.10	24.95	0.313	10.800		
2440		13.83	11.68	0.015	10.800		

Mode 7: DBS Mode:R1: 2.4GHz/SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 6GHz UNII 5~UNII 8+R3: 5GHz UNII 1~UNII 4 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.81	<= 1
5200		34.39	32.24	1.675	10.800		
5745		35.40	33.25	2.113	10.800		
6825		28.63	26.48	0.445	10.800		
5785		35.44	33.29	2.133	10.800		
2440		13.83	11.68	0.015	10.800		



Mode 8: DBS Mode:R1: 2.4GHz/SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 6GHz UNII 5~UNII 8+R3: 6GHz UNII 5~UNII 8 +R4: BT

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	0.75	35.89	33.74	2.366	10.800	0.64	<= 1
5200		34.39	32.24	1.675	10.800		
5745		35.40	33.25	2.113	10.800		
6825		28.63	26.48	0.445	10.800		
6985		27.10	24.95	0.313	10.800		
2440		13.83	11.68	0.015	10.800		

————THE END————