TEST REPORT

Product	:	Wireless Headset
Trade mark	:	CORSAIR
Model/Type reference	:	RDA0031
Serial Number	:	N/A
Report Number	:	EED32M00130002
FCC ID	:	2AAFMRDA0031
Date of Issue	:	Jul. 29, 2020
Test Standards	:	47 CFR Part 15 Subpart E
Test result	:	PASS

Prepared for:

Corsair Memory, Inc
47100 Bayside Pkwy, Fremont, CA 94538

Prepared by:

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Approved by: Sam Chuang — Sam Chuang

Date: Jul. 29, 2020

Check No.:3096384259

2 Version

Version No.	Date	Description
00	Jul. 29, 2020	Original

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Subpart C Section 15.203	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart E Section 15.407 (b)(6)	ANSI C63.10-2013	PASS
Conducted Output Power and transmit power control mechanism	47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(4)(h)(1)	ANSI C63.10-2013	PASS
26dB emission bandwidth	47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)	ANSI C63.10-2013	PASS
Peak Power Spectral Density	47 CFR Part 15 Subpart E Section 15.407 (a)(1)(2)(5)	ANSI C63.10-2013	PASS
Duty Cycle	47 CFR Part 15 Subpart E Section 15.407 (a)(6)	ANSI C63.10-2013	PASS
Frequency stability	47 CFR Part 15 Subpart E Section 15.407 (g)	ANSI C63.10-2013	PASS
Conducted Band-edge Measurements	47 CFR Part 15 Subpart E Section 15.407(b)(1)to(6)	ANSI C63.10-2013	PASS
Dynamic Frequency Selection	47 CFR Part 15 Subpart E Section 15.407 (h)	KDB905462 D02	N/A
Operation in the absence of information to the transmit	47 CFR Part 15 Subpart E Section 15.407 (c)	47 CFR Part 15 Subpart E	N/A
Unwanted Emissions that fall Outside of the Restricted Bands	47 CFR Part 15 Subpart E Section 15.407 (b)(1)(2)(3)(5)	ANSI C63.10-2013	PASS
Unwanted Emissions in the Restricted Bands	47 CFR Part 15 Subpart E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Subpart E Section 15.407 (b)(6)(7)(8)	ANSI C63.10-2013	PASS

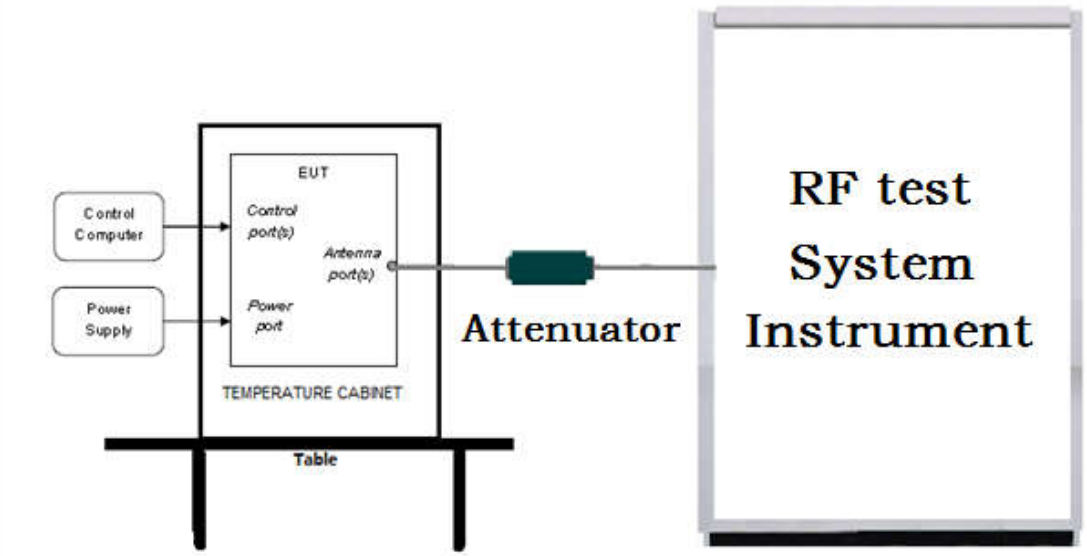
Remark:
The tested sample(s) and the sample information are provided by the client.
Tx: In this whole report Tx (or tx) means Transmitter.
Rx: In this whole report Rx (or rx) means Receiver.
RF: In this whole report RF means Radiated Frequency.
CH: In this whole report CH means channel.
Volt: In this whole report Volt means Voltage.
Temp: In this whole report Temp means Temperature.
Humid: In this whole report Humid means humidity.
Press: In this whole report Press means Pressure.
N/A: In this whole report not application

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

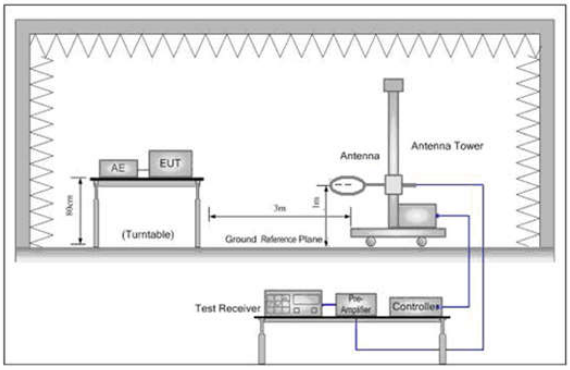


Figure 1. Below 30MHz

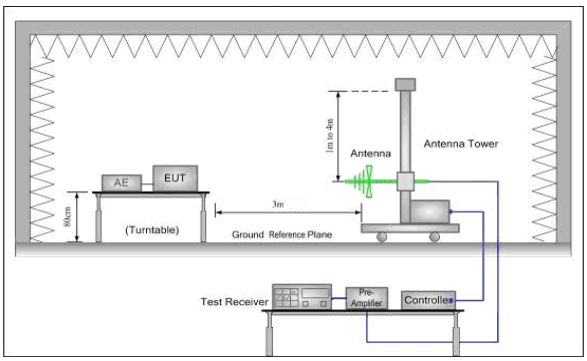


Figure 2. 30MHz to 1GHz

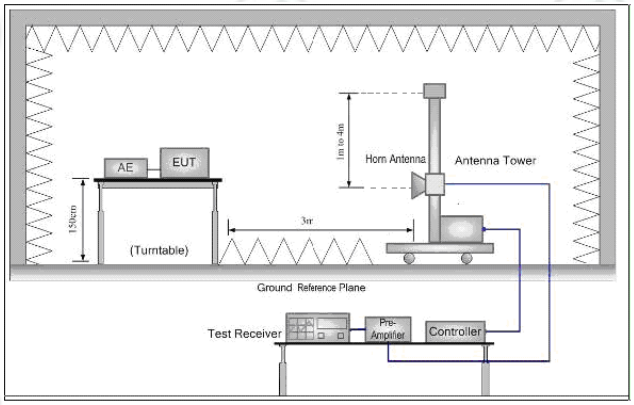
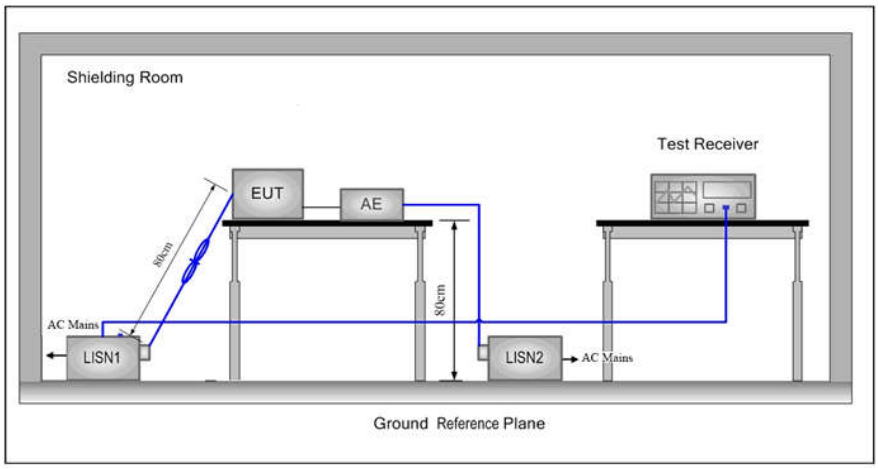


Figure 3. Above 1GHz

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:	
Temperature:	23.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010mbar

5.3 Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(cm)	High(H)
802.11a/n(HT20)	5150MHz ~5250 MHz	Channel 36	Channel 44	Channel 48
		5180MHz	5220MHz	5240MHz
802.11a/n(HT20)	5725MHz ~5850 MHz	Channel 149	Channel157	Channel165
		5745MHz	5785MHz	5825MHz

6 General Information

6.1 Client Information

Applicant:	Corsair Memory, Inc
Address of Applicant:	47100 Bayside Pkwy, Fremont, CA 94538
Manufacturer:	Corsair Memory, Inc
Address of Manufacturer:	47100 Bayside Pkwy, Fremont, CA 94538
Factory:	Minami Acoustics Limited
Address of Factory:	Shangou Industrial Park GongJiang Town,Yudu County Ganzhou City Jiangxi 342300 China

6.2 General Description of EUT

Product Name:	Wireless Headset	
Model No.(EUT):	RDA0031	
Trade Mark:	CORSAIR	
EUT Supports Radios application:	5GHz Wi-Fi: U-NII-1: 5.15-5.25GHz; U-NII-3: 5.725-5.850GHz	
Power Supply:	Battery	603450 3.7V 1050mAh 3.885Wh
Sample Received Date:	May 18, 2020	
Sample tested Date:	May 18, 2020 to Jul. 22, 2020	

6.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11a/n(HT20): 5150MHz ~5250 MHz IEEE802.11a/n(HT20): 5725MHz ~5850 MHz
Channel Numbers:	IEEE 802.11a/n(HT20): 5150MHz ~5250 MHz/ 4 channel IEEE802.11a/n(HT20): 5725MHz ~5850 MHz / 5 channel
Type of Modulation:	OFDM
Test Power Grade:	Default
Test Software of EUT:	Atheros Radio Test 2 (ART2-GUD)
Antenna Type and Gain:	Type: PCB antenna Gain: 5.52 dBi
Test Voltage:	DC 5V

Operation Frequency each of channel

For 802.11a/n(HT20) Operation in the 5150MHz ~5250 MHz band							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz	48	5240MHz

For 802.11a/n(HT20) Operation in the 5725MHz ~5850 MHz band							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
149	5745MHz	153	5765MHz	157	5785MHz	161	5805MHz
165	5825MHz	N/A	N/A	N/A	N/A	N/A	N/A

Table 1：

Mode	Channel	Frequency	Data Rate	Power Setting
IEEE 802.11a	36	5180	6Mbps	3
	40	5200		3
	48	5240		3
IEEE 802.11n 20MHz	36	5180	MCS0	3
	40	5200		3
	48	5240		3
IEEE 802.11a	149	5745	6Mbps	2
	157	5785		2
	165	5825		3
IEEE 802.11n 20MHz	149	5745	MCS0	2
	157	5785		2
	165	5825		3

6.4 Description of Support Units

The EUT has been tested with associated equipment below

Associated equipment name		Manufacturer	Model	S/N serial number	Certification	Supplied by
AE1	Notebook	DELL	DELL 3490	D245DX2	CE & FCC	DELL

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

6.6 Deviation from Standards

None.

6.7 Abnormalities from Standard Conditions

None.

6.8 Other Information Requested by the Customer

None.

6.9 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.9×10^{-8}
2	RF power, conducted	0.46dB (30MHz-1GHz)
		0.55dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.5dB (9kHz to 150kHz)
		3.1dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	3.8%
7	DC power voltages	0.026%

7 Equipment List

RF test system					
Equipment	**Manufacturer**	**Mode No.**	**Serial Number**	**Cal. Date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Spectrum Analyzer	Keysight	N9010A	MY54510339	02-17-2020	02-16-2021
Signal Generator	Keysight	N5182B	MY53051549	02-17-2020	02-16-2021
Temperature/ Humidity Indicator	biaozhi	HM10	1804186	07-26-2019	07-25-2020
High-pass filter	Sinoscite	FL3CX03WG18N M12-0398-002	---	---	---
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	---	---
DC Power	Keysight	E3642A	MY56376072	02-17-2020	02-16-2021
PC-1	Lenovo	R4960d	---	---	---
BT&WI-FI Automatic control	R&S	OSP120	101374	02-17-2020	02-16-2021
RF control unit	JS Tonscend	JS0806-2	158060006	02-17-2020	02-16-2021
BT&WI-FI Automatic test software	JS Tonscend	JS1120-3	---	---	---

Conducted disturbance Test					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Receiver	R&S	ESCI	100435	04-28-2020	04-27-2021
Temperature/ Humidity Indicator	Defu	TH128	/	---	---
LISN	R&S	ENV216	100098	03-05-2020	03-04-2021
Barometer	changchun	DYM3	1188	---	---

3M Semi/full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
3M Chamber & Accessory Equipment	TDK	SAC-3	---	05-24-2019	05-23-2022
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	07-26-2019	07-25-2020
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-076	04-25-2018	04-24-2021
Receiver	R&S	ESCI7	100938-003	10-21-2019	10-20-2020
Multi device Controller	maturo	NCD/070/10711112	---	---	---
Temperature/ Humidity Indicator	Shanghai qixiang	HM10	1804298	07-26-2019	07-25-2020
Cable line	Fulai(7M)	SF106	5219/6A	---	---
Cable line	Fulai(6M)	SF106	5220/6A	---	---
Cable line	Fulai(3M)	SF106	5216/6A	---	---
Cable line	Fulai(3M)	SF106	5217/6A	---	---

3M full-anechoic Chamber					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
RSE Automatic test software	JS Tonscend	JS36-RSE	10166	---	---
Receiver	Keysight	N9038A	MY57290136	03-05-2020	03-04-2021
Spectrum Analyzer	Keysight	N9020B	MY57111112	03-05-2020	03-04-2021
Spectrum Analyzer	Keysight	N9030B	MY57140871	03-05-2020	03-04-2021
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	9163-1148	04-25-2018	04-24-2021
Horn Antenna	Schwarzbeck	BBHA 9170	9170-832	04-25-2018	04-24-2021
Horn Antenna	ETS-LINDGREN	3117	00057407	07-10-2018	07-09-2021
Preamplifier	EMCI	EMC184055SE	980596	05-22-2019 05-20-2020	05-21-2020 05-19-2021
Preamplifier	EMCI	EMC001330	980563	04-22-2020	04-21-2021
Preamplifier	JS Tonscend	980380	EMC051845 SE	01-09-2020	01-08-2021
Temperature/ Humidity Indicator	biaozhi	GM1360	EE1186631	04-27-2020	04-26-2021
Fully Anechoic Chamber	TDK	FAC-3	---	01-17-2018	01-16-2021
Filter bank	JS Tonscend	JS0806-F	188060094	04-10-2018	04-09-2021
Cable line	Times	SFT205-NMSM-2.50M	394812-0001	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0002	---	---
Cable line	Times	SFT205-NMSM-2.50M	394812-0003	---	---
Cable line	Times	SFT205-NMSM-2.50M	393495-0001	---	---
Cable line	Times	EMC104-NMNM-1000	SN160710	---	---
Cable line	Times	SFT205-NMSM-3.00M	394813-0001	---	---
Cable line	Times	SFT205-NMNM-1.50M	381964-0001	---	---
Cable line	Times	SFT205-NMSM-7.00M	394815-0001	---	---
Cable line	Times	HF160-KMKM-3.00M	393493-0001	---	---

8 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	FCC Part15E	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicesed Wireless Devices
3	KDB789033 D02 General UNII Test Procedures New Rules v01	Guidelines for compliance testing of unlicensed national information infrastructure (U-NII) device part 15 subpart E

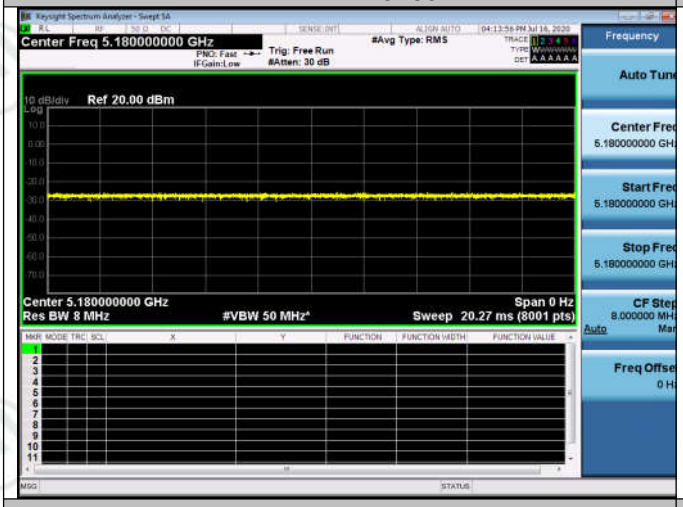
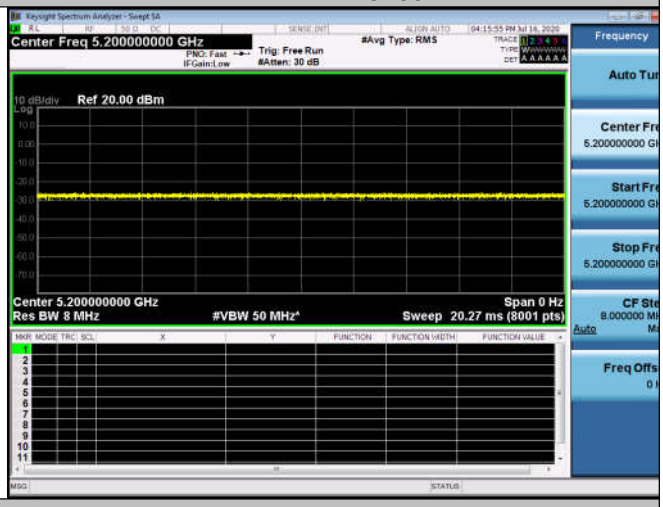
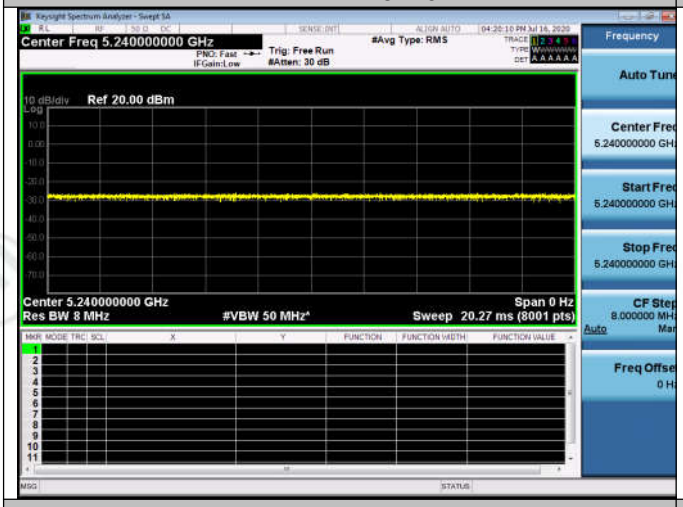
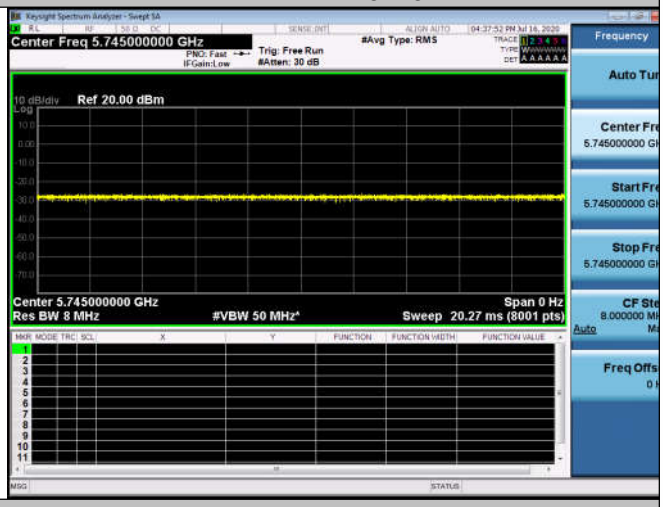
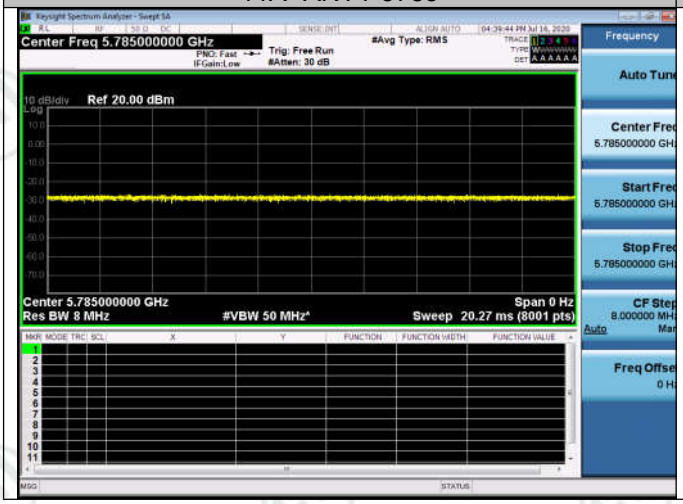
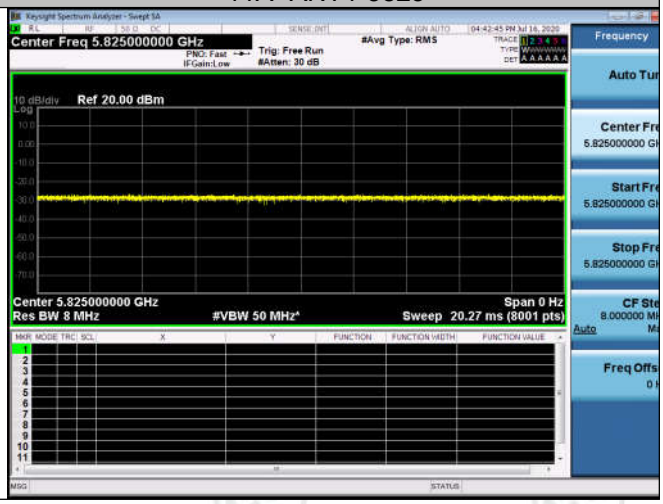
Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part15E Section 15.407 (a)(6)	ANSI C63.10-2013	Duty Cycle	PASS	Appendix A)
Part15E Section 15.407 (a)(1)(2)	KDB789033 D02v01	26dB Occupied Bandwidth	PASS	Appendix B)
Part15E Section 15.407 (a)(1)(2)(4)(h)(1)	KDB789033 D02v01	Conducted Output Power and transmit power control mechanism	PASS	Appendix C)
Part15E Section 15.407 (a)(1)(2)(5)	KDB789033 D02v01	Power Spectral Density	PASS	Appendix D)
47 CFR Part 15 Subpart E Section 15.407(b)(1)to(6)	ANSI C63.10-2013	Conducted Band-edge Measurements	PASS	Appendix E)
Part15E Section 15.407 (g)	KDB789033 D02v01	Frequency stability	PASS	Appendix F)
Part15C Section 15.203	ANSI C63.10	Antenna Requirement	PASS	Appendix G)
Part15E Section 15.407 (b)(6)	ANSI C63.10	AC Power Line Conducted Emission	PASS	Appendix H)
Part15E Section 15.407 (b)(6)(7)(8)	KDB789033 D02v01	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix I)
Part15E Section 15.407 (b)(6)(7)(8)	KDB789033 D02v01	Unwanted Emissions in the Restricted Bands	PASS	Appendix J)
Part15E Section 15.407 (b)(1)(2)(3)(5)	KDB789033 D02v01	Unwanted Emissions that fall Outside of the Restricted Bands	PASS	Appendix K)
47 CFR Part 15 Subpart E Section 15.407 (h)	KDB905462 D02	Dynamic Frequency Selection	PASS	N/A

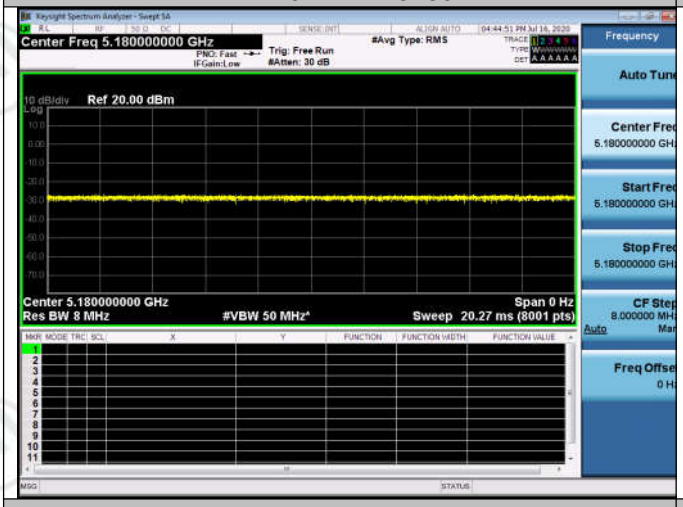
Appendix A): Duty Cycle

Test Mode	Channel	Duty Cycle[%]	Verdict
11A	5180	100	PASS
11A	5200	100	PASS
11A	5240	100	PASS
11A	5745	100	PASS
11A	5785	100	PASS
11A	5825	100	PASS
11N20SISO	5180	100	PASS
11N20SISO	5200	100	PASS
11N20SISO	5240	100	PASS
11N20SISO	5745	100	PASS
11N20SISO	5785	100	PASS
11N20SISO	5825	100	PASS

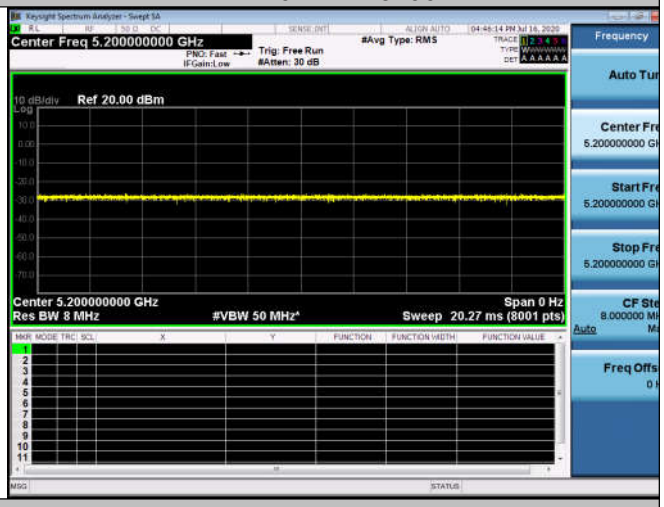
Duty Cycle Test Graph

11A -ANT1-5180	11A -ANT1-5200
	
11A -ANT1-5240	11A -ANT1-5745
	
11A -ANT1-5785	11A -ANT1-5825
	

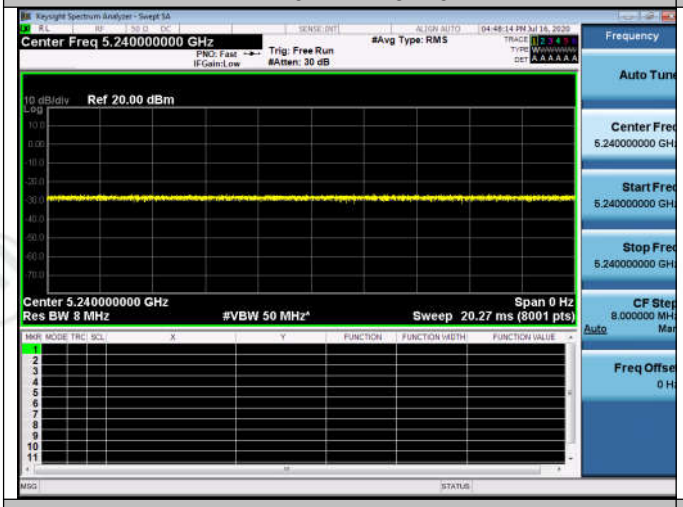
11N20 -ANT1-5180



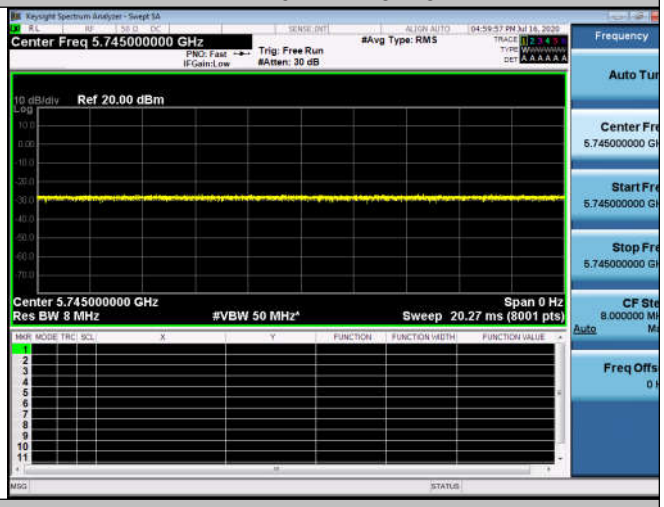
11N20-ANT1-5200



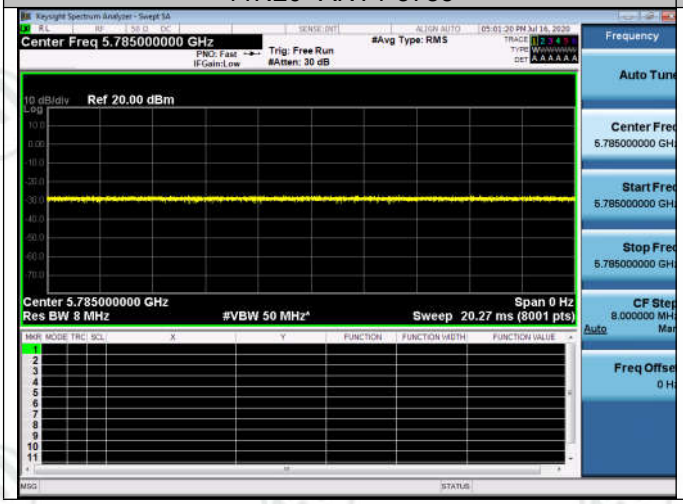
11N20-ANT1-5240



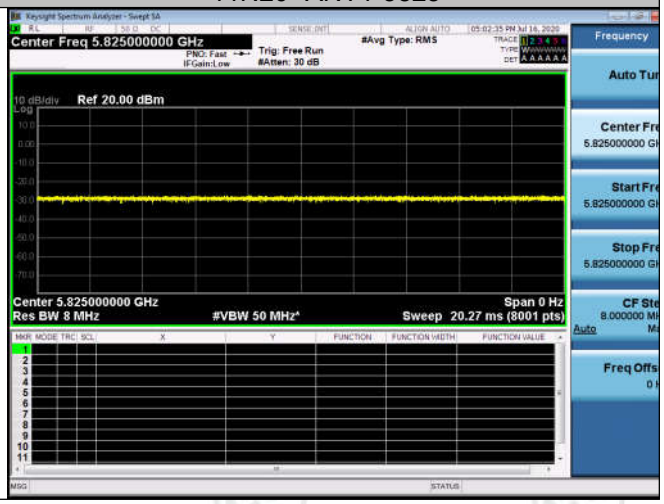
11N20-ANT1-5745



11N20 -ANT1-5785



11N20 -ANT1-5825



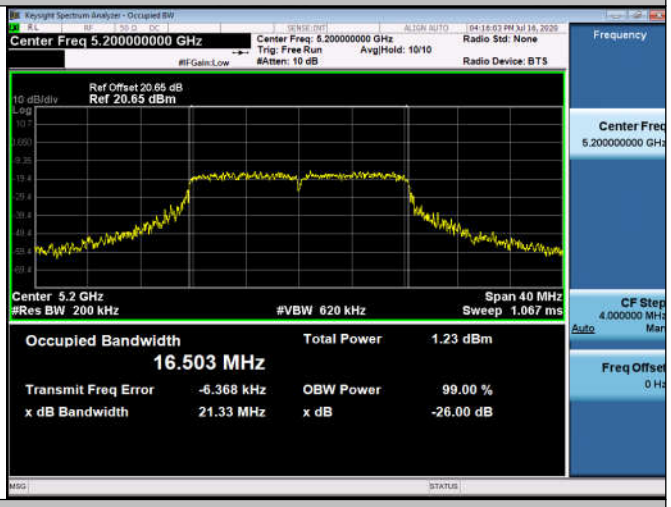
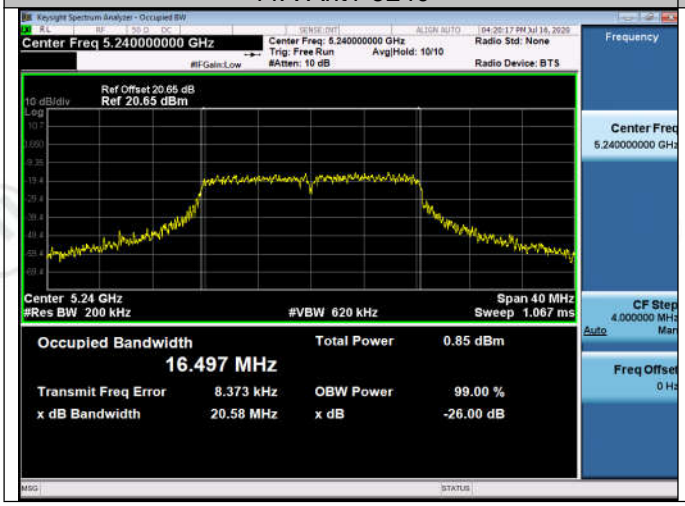
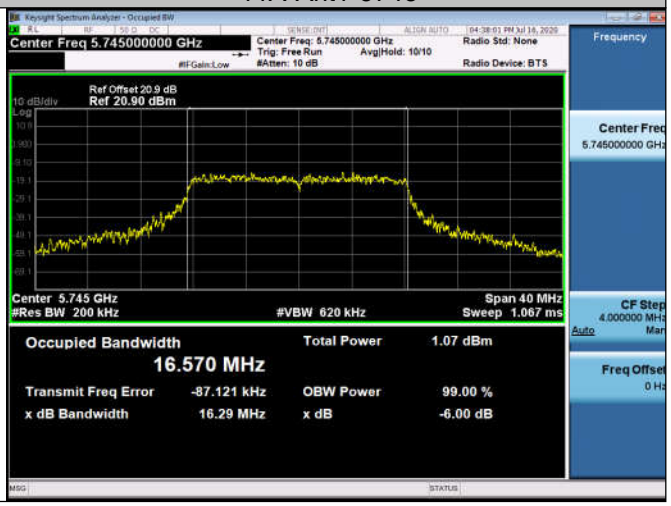
Appendix B): Emission Bandwidth

Result Table

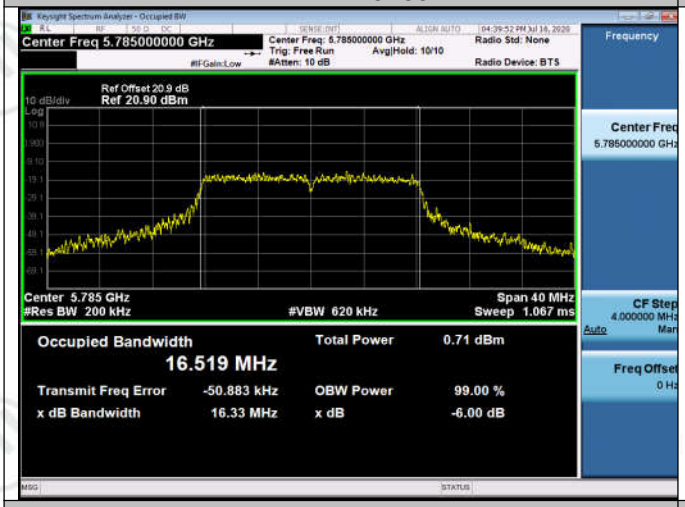
Test Mode	Antenna	Channel	EBW[MHz]	OBW[MHz]	Verdict
11A	Ant1	5180	20.90	16.539	PASS
11A	Ant1	5200	21.33	16.503	PASS
11A	Ant1	5240	20.58	16.497	PASS
11A	Ant1	5745	16.29	16.570	PASS
11A	Ant1	5785	16.33	16.519	PASS
11A	Ant1	5825	16.26	16.483	PASS
11N20SISO	Ant1	5180	22.15	17.666	PASS
11N20SISO	Ant1	5200	21.97	17.700	PASS
11N20SISO	Ant1	5240	21.94	17.645	PASS
11N20SISO	Ant1	5745	17.34	17.609	PASS
11N20SISO	Ant1	5785	17.49	17.668	PASS
11N20SISO	Ant1	5825	17.61	17.686	PASS

Test Mode	Antenna	Channel	EBW[MHz]	OBW[MHz]	Verdict
11A	Ant1	5180	22.01	16.633	PASS
11A	Ant1	5200	20.76	16.569	PASS
11A	Ant1	5240	20.53	16.608	PASS
11A	Ant1	5745	16.44	16.442	PASS
11A	Ant1	5785	16.54	16.446	PASS
11A	Ant1	5825	16.43	16.403	PASS
11N20SISO	Ant1	5180	22.97	17.730	PASS
11N20SISO	Ant1	5200	23.27	17.707	PASS
11N20SISO	Ant1	5240	23.43	17.760	PASS
11N20SISO	Ant1	5745	17.65	17.679	PASS
11N20SISO	Ant1	5785	17.64	17.613	PASS
11N20SISO	Ant1	5825	17.62	17.619	PASS

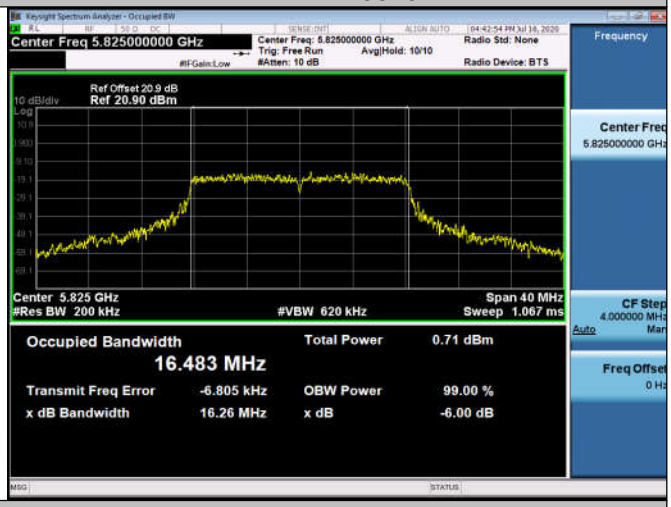
Test Graph

11A-Ant1-5180	11A-Ant1-5200
	
11A-Ant1-5240	**11A-Ant1-5745**
	

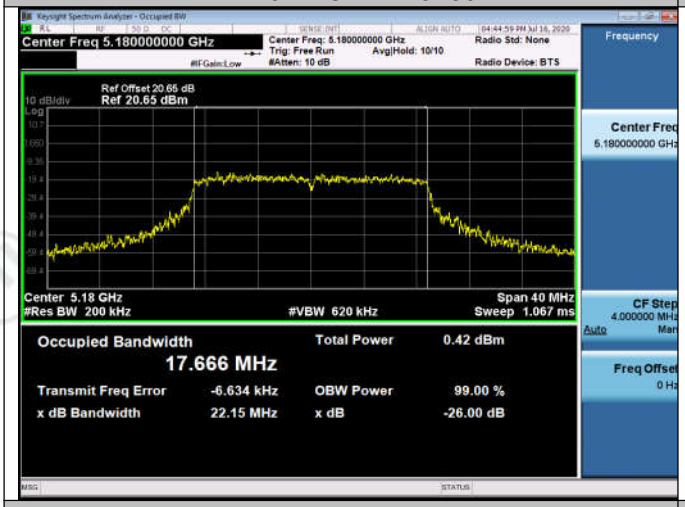
11A-Ant1-5785



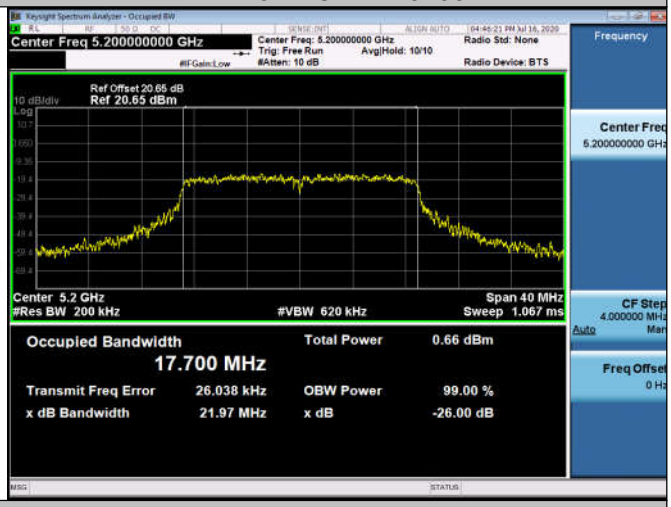
11A-Ant1-5825



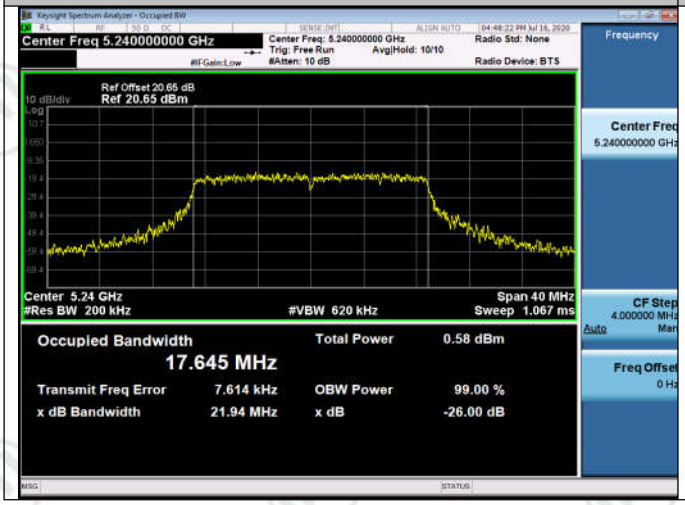
11N20SISO-Ant1-5180



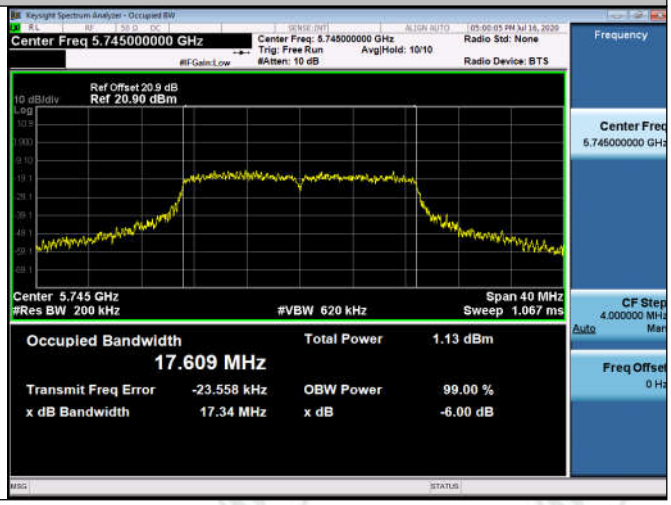
11N20SISO-Ant1-5200



11N20SISO-Ant1-5240

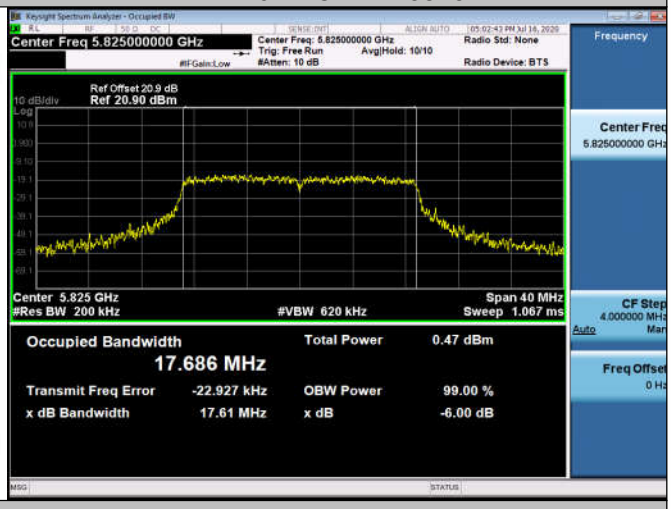


11N20SISO-Ant1-5745



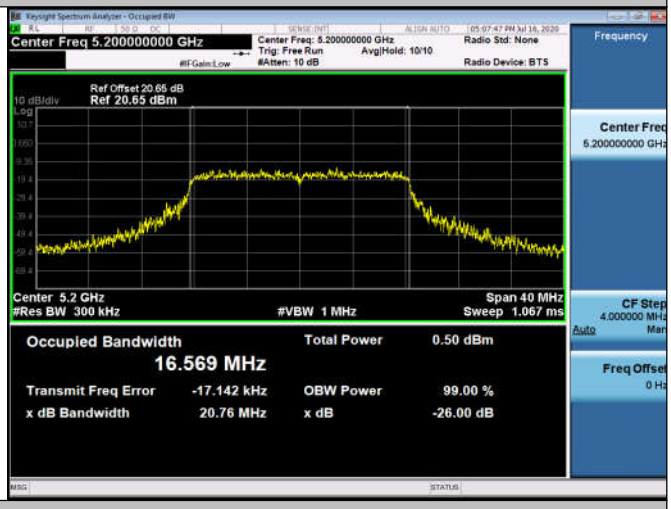
11N20SISO-Ant1-5785

11N20SISO-Ant1-5825

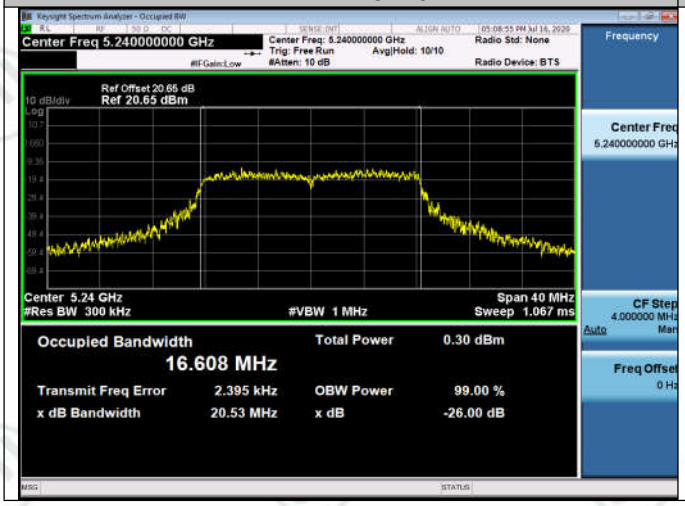


11A-Ant1-5180

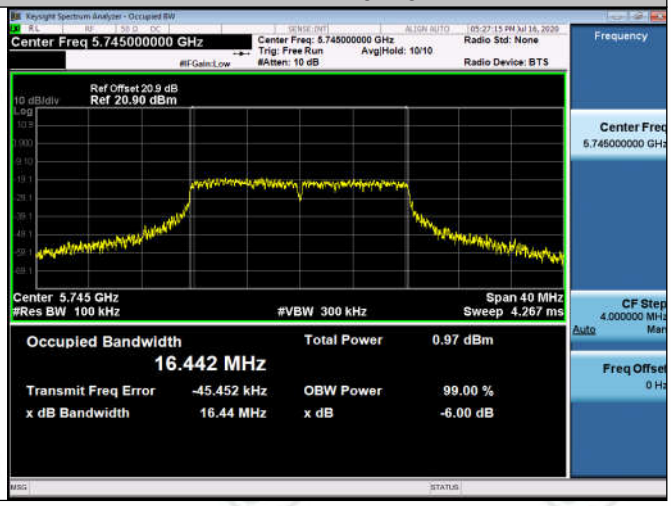
11A-Ant1-5200



11A-Ant1-5240

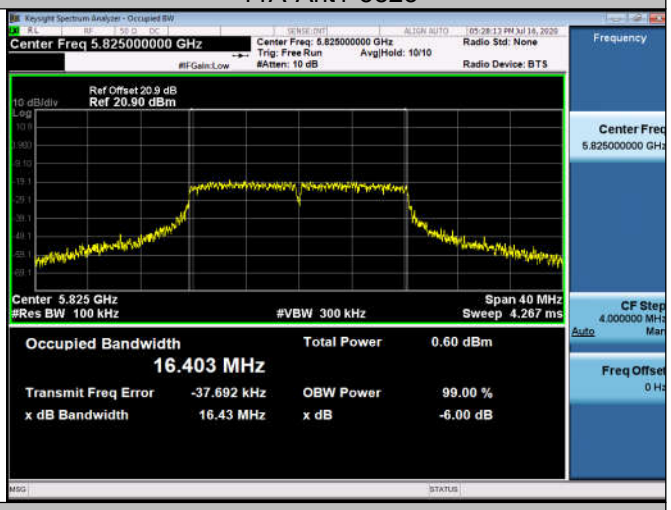


11A-Ant1-5745

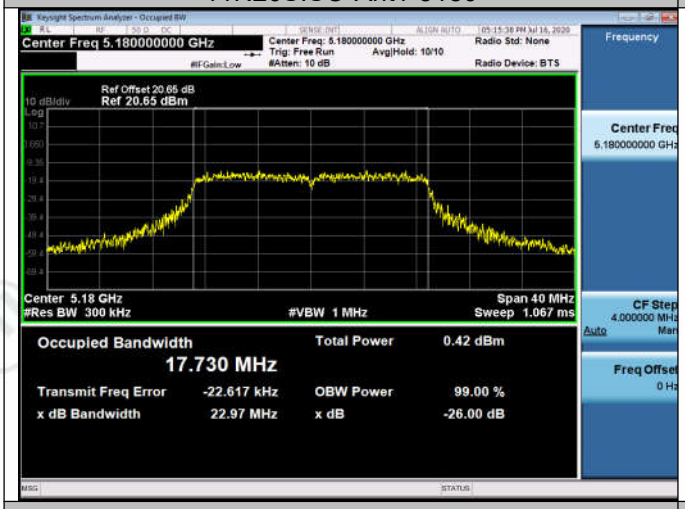


11A-Ant1-5785

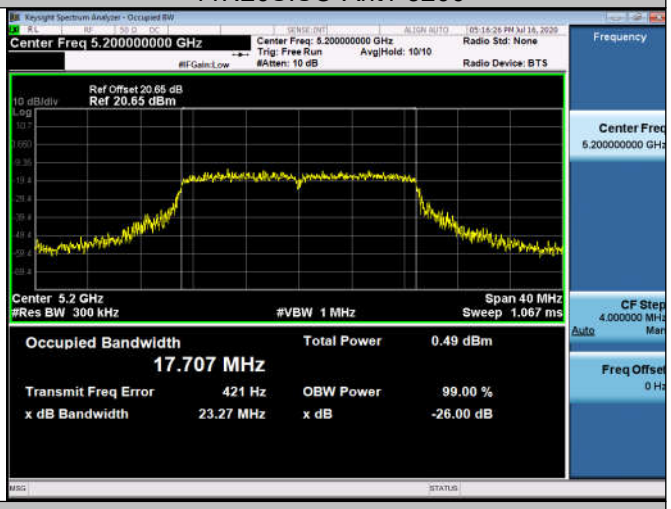
11A-Ant1-5825



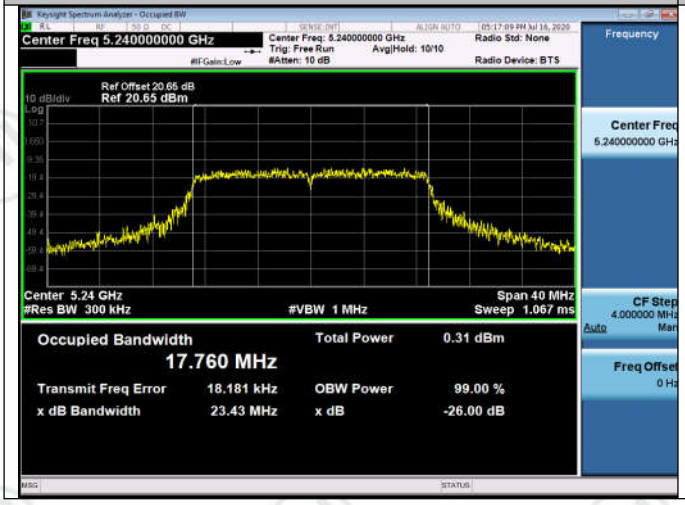
11N20SISO-Ant1-5180



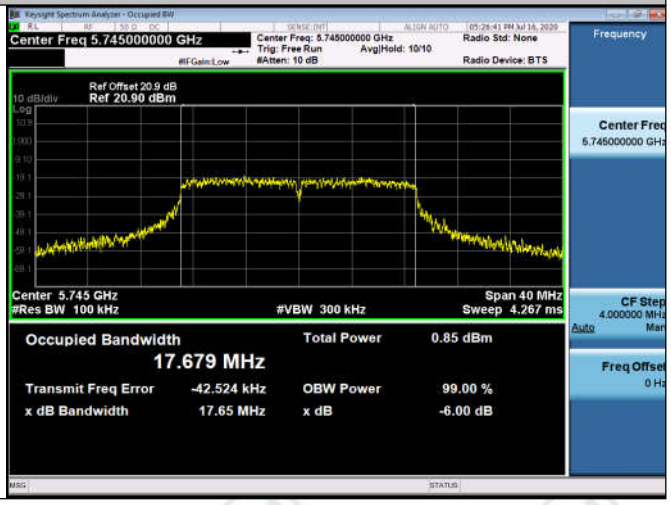
11N20SISO-Ant1-5200

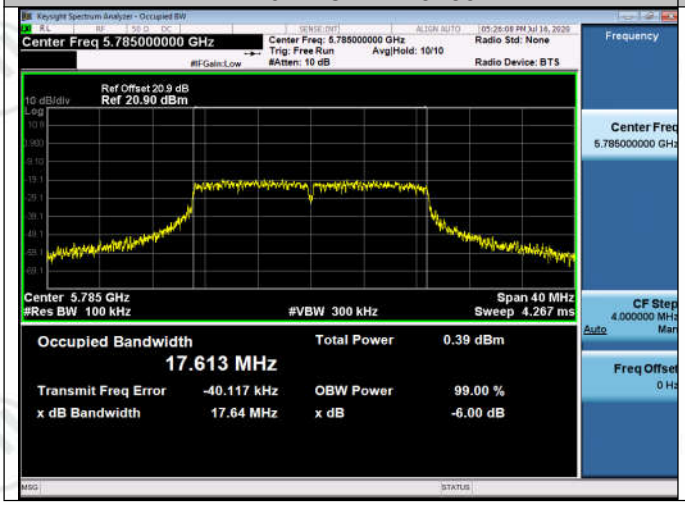
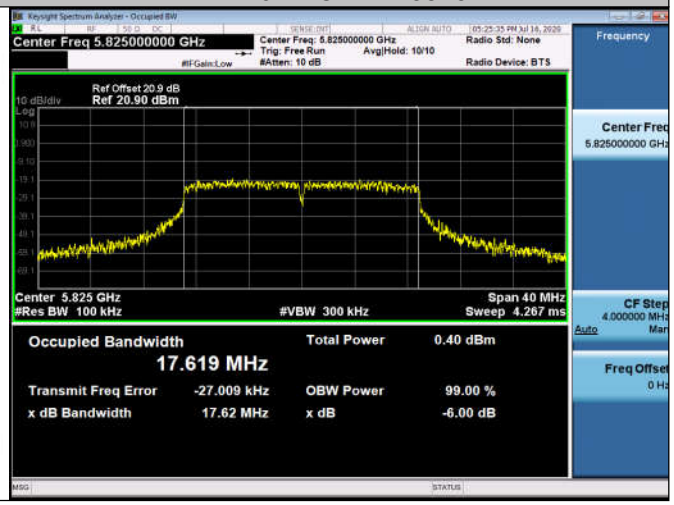


11N20SISO-Ant1-5240



11N20SISO-Ant1-5745



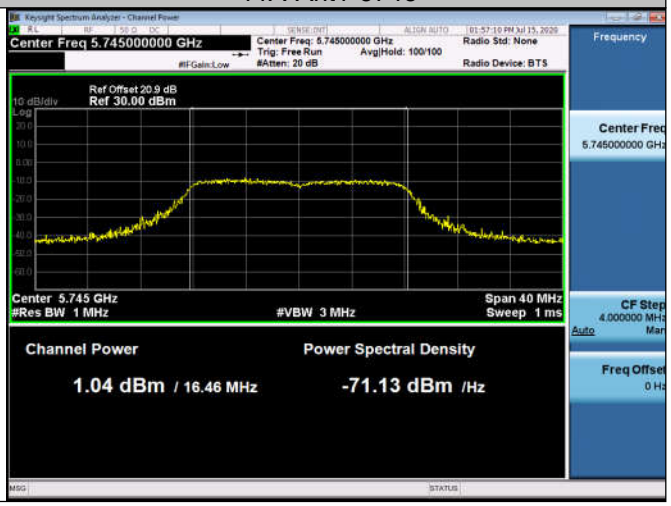
11N20SISO-Ant1-5785	11N20SISO-Ant1-5825
	

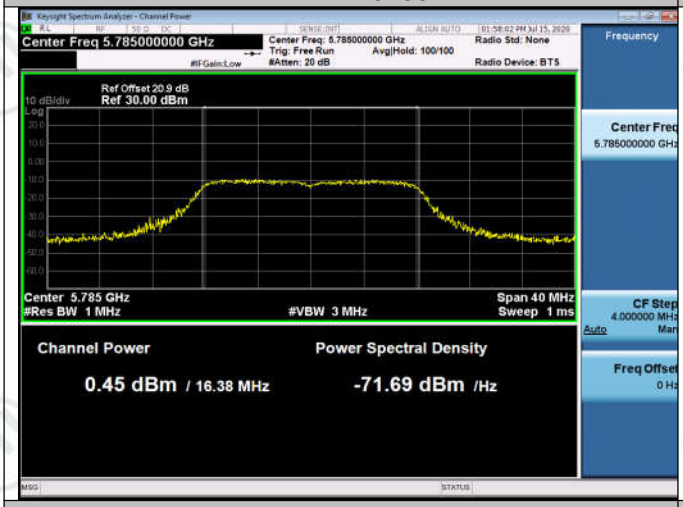
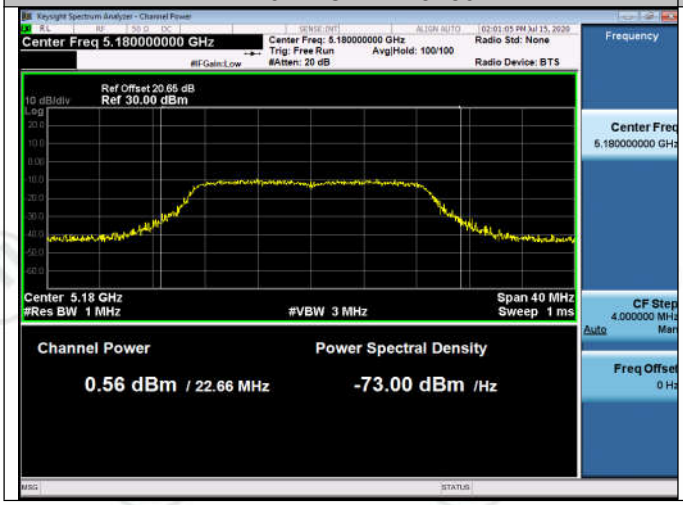
Appendix C): Maximum Conduct Output Power

Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	Av.Power [dBm]	Verdict
11A	Ant1	5180	0.53	0.53	PASS
11A	Ant1	5200	0.84	0.84	PASS
11A	Ant1	5240	0.54	0.54	PASS
11A	Ant1	5745	1.04	1.04	PASS
11A	Ant1	5785	0.45	0.45	PASS
11A	Ant1	5825	0.42	0.42	PASS
11N20SISO	Ant1	5180	0.56	0.56	PASS
11N20SISO	Ant1	5200	0.78	0.78	PASS
11N20SISO	Ant1	5240	0.54	0.54	PASS
11N20SISO	Ant1	5745	0.91	0.91	PASS
11N20SISO	Ant1	5785	0.45	0.45	PASS
11N20SISO	Ant1	5825	0.39	0.39	PASS

Test Graph

11A-Ant1-5180	11A-Ant1-5200
	
11A-Ant1-5240	**11A-Ant1-5745**
	

11A-Ant1-5785	11A-Ant1-5825
	
11N20SISO-Ant1-5180	**11N20SISO-Ant1-5200**
	

11N20SISO-Ant1-5240	11N20SISO-Ant1-5745
	
11N20SISO-Ant1-5785	11N20SISO-Ant1-5825
	

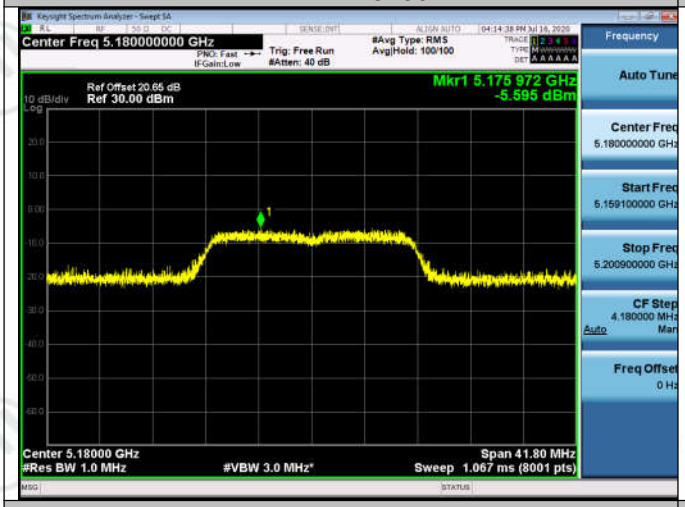
Appendix D): Power Spectral Density

Result Table

Test Mode	Antenna	Channel	Meas.Level [dBm]	PSD [dBm/MHz]	Verdict
11A	Ant1	5180	-5.60	-5.60	PASS
11A	Ant1	5200	-5.48	-5.48	PASS
11A	Ant1	5240	-5.81	-5.81	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11A	Ant1	5745	-11.58	-9.37	PASS
11A	Ant1	5785	-11.48	-9.26	PASS
11A	Ant1	5825	-12.08	-9.87	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/MHz]**	**Verdict**
11N20SISO	Ant1	5180	-6.30	-6.30	PASS
11N20SISO	Ant1	5200	-6.00	-6.00	PASS
11N20SISO	Ant1	5240	-6.42	-6.42	PASS
Test Mode	**Antenna**	**Channel**	**Meas.Level [dBm]**	**PSD [dBm/500kHz]**	**Verdict**
11N20SISO	Ant1	5745	-11.61	-9.39	PASS
11N20SISO	Ant1	5785	-12.06	-9.84	PASS
11N20SISO	Ant1	5825	-12.26	-10.05	PASS

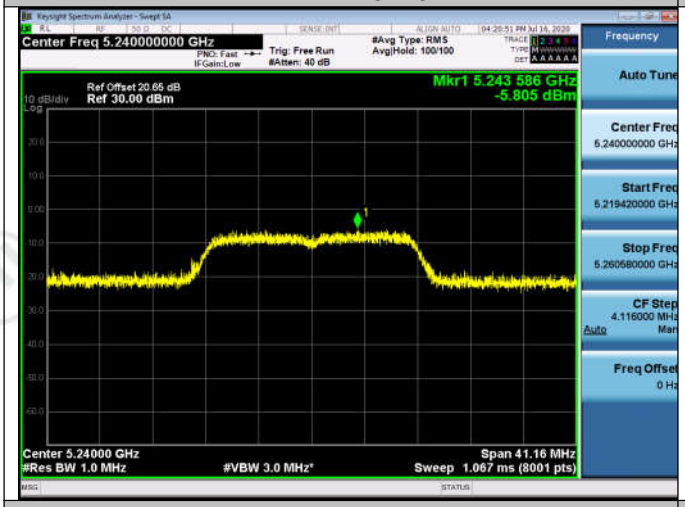
Test Graph

11A-Ant1-5180



11A-Ant1-5200

11A-Ant1-5240

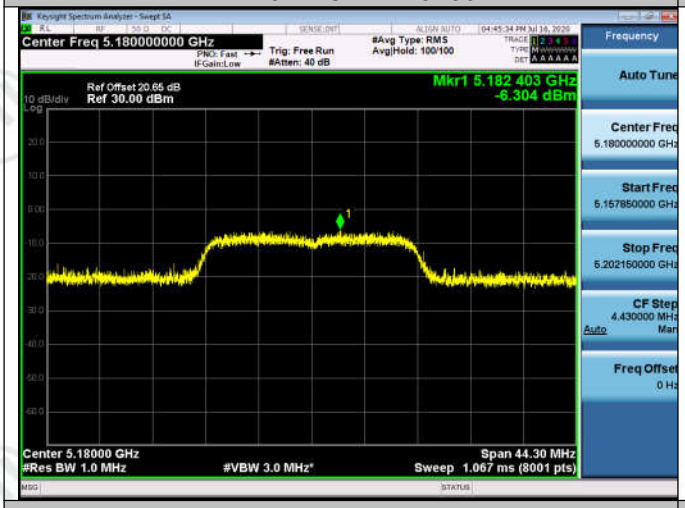


11A-Ant1-5745

11A-Ant1-5785

11A-Ant1-5825

11N20SISO-Ant1-5180

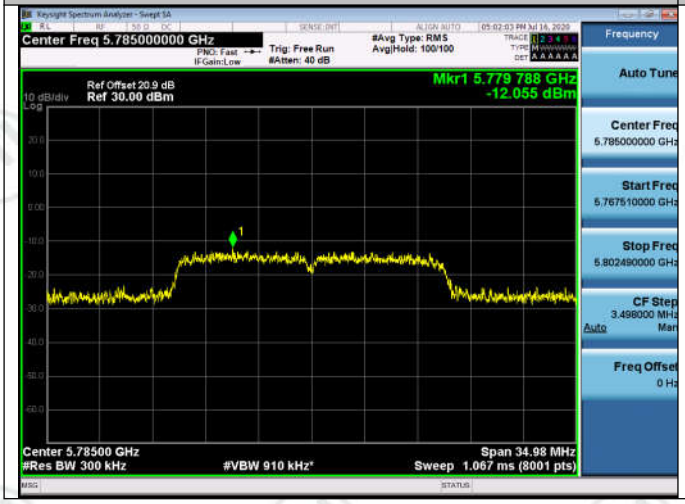


11N20SISO-Ant1-5200

11N20SISO-Ant1-5240

11N20SISO-Ant1-5745

11N20SISO-Ant1-5785



11N20SISO-Ant1-5825

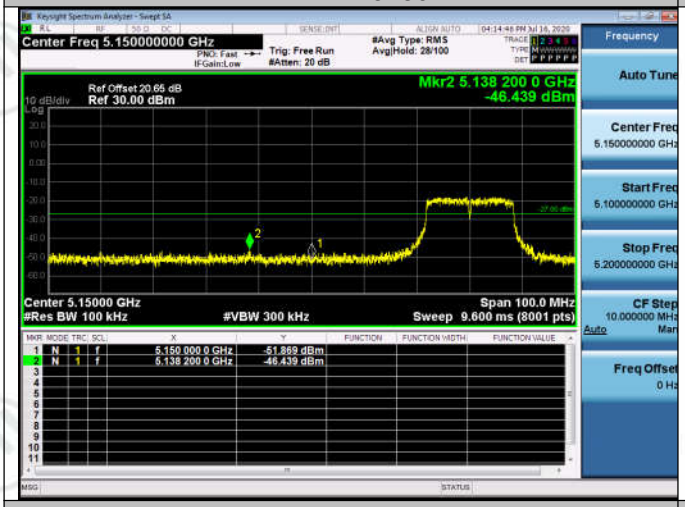
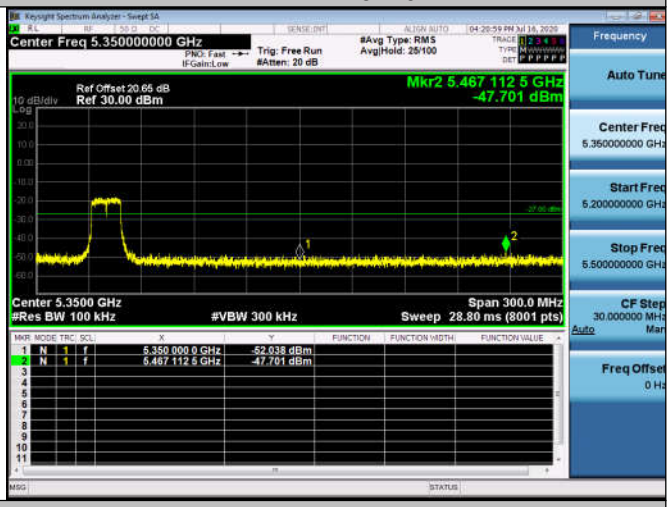
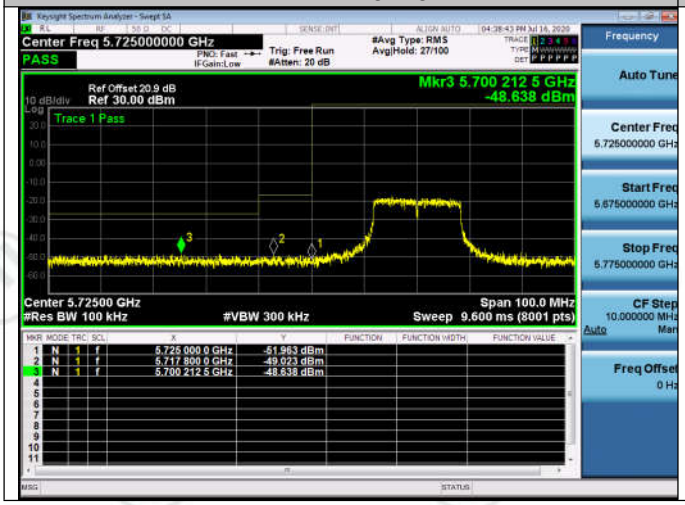
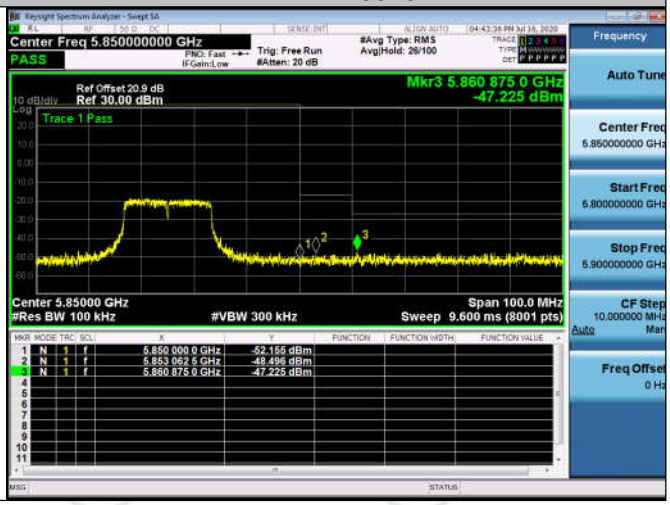
Appendix E): Band Edge Measurements

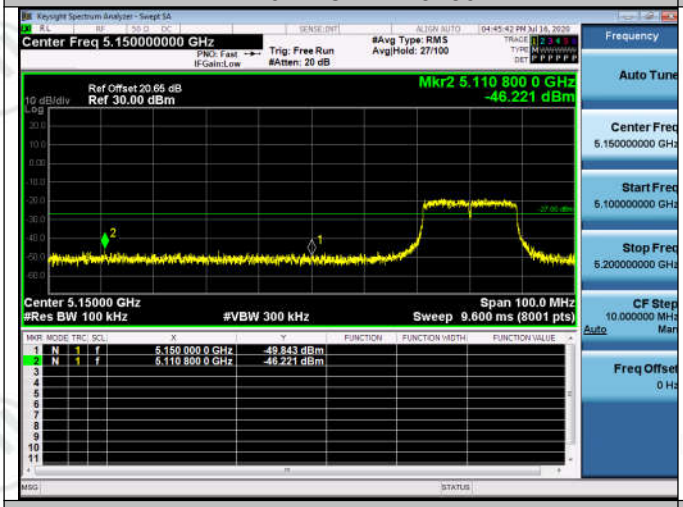
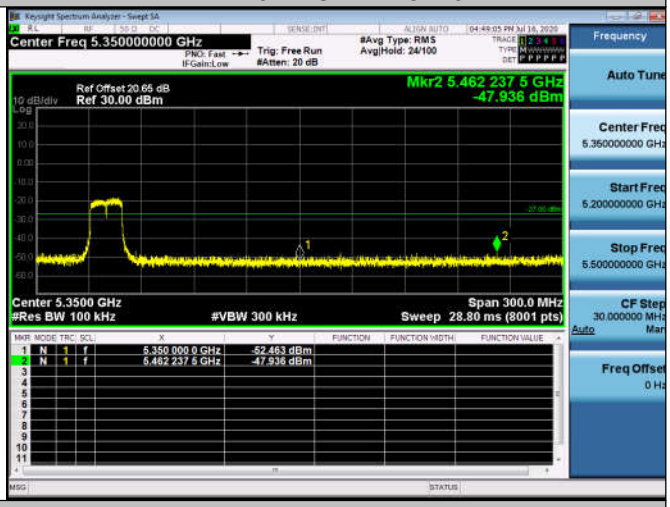
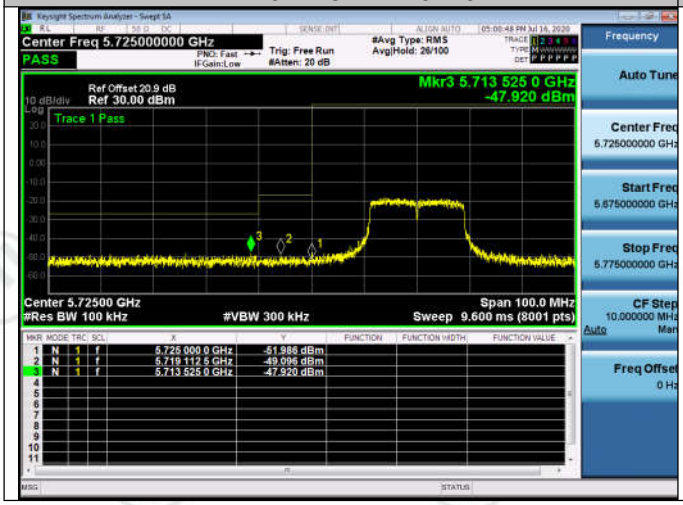
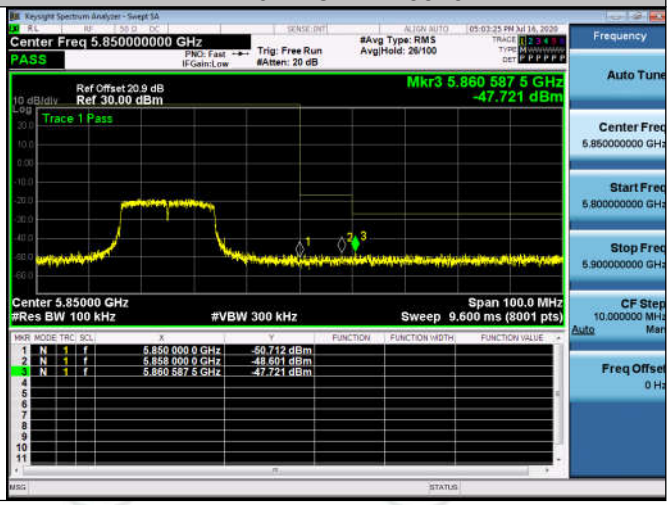
Result Table

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11A	Ant1	5180	-46.439		PASS
11A	Ant1	5240	-47.701		PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			Below 5715	**5715-5725**	
11A	Ant1	5745	-48.638	-49.023	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			5850-5860	**Above 5860**	
11A	Ant1	5825	-48.496	-47.225	PASS

Test Mode	Antenna	Channel	Max.Level [dBm]		Verdict
11N20SISO	Ant1	5180	-46.221		PASS
11N20SISO	Ant1	5240	-47.936		PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			Below 5715	**5715-5725**	
11N20SISO	Ant1	5745	-47.92	-49.096	PASS
Test Mode	**Antenna**	**Channel**	**Max.Level [dBm]**		**Verdict**
			5850-5860	**Above 5860**	
11N20SISO	Ant1	5825	-48.601	-47.721	PASS

Test Graph

11A-Ant1-5180	11A-Ant1-5240
	
11A-Ant1-5745	11A-Ant1-5825
	

11N20SISO-Ant1-5180	11N20SISO-Ant1-5240
	
11N20SISO-Ant1-5745	11N20SISO-Ant1-5825
	

Appendix F): Frequency Stability

Frequency Error vs. Voltage:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	TN	VL	5179.91	-17.374517	PASS
			TN	VN	5179.91	-17.374517	PASS
			TN	VH	5179.955	-8.687259	PASS
11A	Ant1	5200	TN	VL	5199.955	-8.653846	PASS
			TN	VN	5199.985	-2.884615	PASS
			TN	VH	5199.91	-17.307692	PASS
11A	Ant1	5240	TN	VL	5240.015	2.862595	PASS
			TN	VN	5239.925	-14.312977	PASS
			TN	VH	5240	0	PASS
11A	Ant1	5745	TN	VL	5745.045	7.832898	PASS
			TN	VN	5745.045	7.832898	PASS
			TN	VH	5745.045	7.832898	PASS
11A	Ant1	5785	TN	VL	5784.91	-15.557476	PASS
			TN	VN	5784.97	-5.185825	PASS
			TN	VH	5784.985	-2.592913	PASS
11A	Ant1	5825	TN	VL	5825.015	2.575107	PASS
			TN	VN	5825.03	5.150215	PASS
			TN	VH	5825.06	10.300429	PASS
11N20	Ant1	5180	TN	VL	5180	0	PASS
			TN	VN	5179.91	-17.374517	PASS
			TN	VH	5179.955	-8.687259	PASS
11N20	Ant1	5200	TN	VL	5199.955	-8.653846	PASS
			TN	VN	5199.985	-2.884615	PASS
			TN	VH	5199.91	-17.307692	PASS
11N20	Ant1	5240	TN	VL	5240.015	2.862595	PASS
			TN	VN	5239.925	-14.312977	PASS
			TN	VH	5240	0	PASS

11N20	Ant1	5745	TN	VL	5745.045	7.832898	PASS
			TN	VN	5745.045	7.832898	PASS
			TN	VH	5745.045	7.832898	PASS
11N20	Ant1	5785	TN	VL	5784.985	-2.592913	PASS
			TN	VN	5784.97	-5.185825	PASS
			TN	VH	5784.985	-2.592913	PASS
11N20	Ant1	5825	TN	VL	5825.015	2.575107	PASS
			TN	VN	5825.03	5.150215	PASS
			TN	VH	5825.06	10.300429	PASS

Frequency Error vs. Temperature:

Test Mode	Antenna	Channel	Temp.	Volt.	Freq.Error(MHz)	Freq.vs.rated(ppm)	Verdict
11A	Ant1	5180	50	VN	5180	0	PASS
			40	VN	5179.97	-5.791506	PASS
			30	VN	5180.03	5.791506	PASS
			20	VN	5179.94	-11.583012	PASS
			10	VN	5179.97	-5.791506	PASS
			0	VN	5180.015	2.895753	PASS
			-10	VN	5179.985	-2.895753	PASS
			-20	VN	5179.94	-11.583012	PASS
11A	Ant1	5200	50	VN	5200.075	14.423077	PASS
			40	VN	5200.03	5.769231	PASS
			30	VN	5199.955	-8.653846	PASS
			20	VN	5200.06	11.538462	PASS
			10	VN	5199.94	-11.538462	PASS
			0	VN	5200.03	5.769231	PASS
			-10	VN	5200.06	11.538462	PASS
			-20	VN	5199.955	-8.653846	PASS
11A	Ant1	5240	50	VN	5240.06	11.450382	PASS
			40	VN	5239.91	-17.175573	PASS
			30	VN	5240	0	PASS
			20	VN	5239.97	-5.725191	PASS
			10	VN	5239.91	-17.175573	PASS
			0	VN	5240.03	5.725191	PASS
			-10	VN	5239.985	-2.862595	PASS
			-20	VN	5239.985	-2.862595	PASS
11A	Ant1	5745	50	VN	5744.97	-5.221932	PASS
			40	VN	5744.91	-15.665796	PASS
			30	VN	5744.895	-18.276762	PASS
			20	VN	5744.97	-5.221932	PASS
			10	VN	5744.94	-10.443864	PASS

			0	VN	5744.895	-18.276762	PASS
			-10	VN	5744.94	-10.443864	PASS
			-20	VN	5744.925	-13.05483	PASS
11A	Ant1	5785	50	VN	5785.015	2.592913	PASS
			40	VN	5785	0	PASS
			30	VN	5784.985	-2.592913	PASS
			20	VN	5784.895	-18.150389	PASS
			10	VN	5784.895	-18.150389	PASS
			0	VN	5785.045	7.778738	PASS
			-10	VN	5784.91	-15.557476	PASS
			-20	VN	5784.955	-7.778738	PASS
11A	Ant1	5825	50	VN	5825.03	5.150215	PASS
			40	VN	5824.91	-15.450644	PASS
			30	VN	5824.94	-10.300429	PASS
			20	VN	5825.03	5.150215	PASS
			10	VN	5824.985	-2.575107	PASS
			0	VN	5824.94	-10.300429	PASS
			-10	VN	5824.925	-12.875536	PASS
			-20	VN	5825	0	PASS
11N20	Ant1	5180	50	VN	5179.91	-17.374517	PASS
			40	VN	5179.97	-5.791506	PASS
			30	VN	5180.03	5.791506	PASS
			20	VN	5179.94	-11.583012	PASS
			10	VN	5179.97	-5.791506	PASS
			0	VN	5180.015	2.895753	PASS
			-10	VN	5179.985	-2.895753	PASS
			-20	VN	5179.94	-11.583012	PASS
11N20	Ant1	5200	50	VN	5199.91	-17.307692	PASS
			40	VN	5200	0	PASS
			30	VN	5199.955	-8.653846	PASS
			20	VN	5200.06	11.538462	PASS
			10	VN	5199.94	-11.538462	PASS

			0	VN	5200.03	5.769231	PASS
			-10	VN	5200.06	11.538462	PASS
			-20	VN	5199.955	-8.653846	PASS
11N20	Ant1	5240	50	VN	5239.97	-5.725191	PASS
			40	VN	5240.015	2.862595	PASS
			30	VN	5239.97	-5.725191	PASS
			20	VN	5239.94	-11.450382	PASS
			10	VN	5239.91	-17.175573	PASS
			0	VN	5240	0	PASS
			-10	VN	5239.955	-8.587786	PASS
			-20	VN	5240.06	11.450382	PASS
11N20	Ant1	5745	50	VN	5744.97	-5.221932	PASS
			40	VN	5744.91	-15.665796	PASS
			30	VN	5744.895	-18.276762	PASS
			20	VN	5744.97	-5.221932	PASS
			10	VN	5744.94	-10.443864	PASS
			0	VN	5744.94	-10.443864	PASS
			-10	VN	5744.94	-10.443864	PASS
			-20	VN	5744.925	-13.05483	PASS
11N20	Ant1	5785	50	VN	5785.015	2.592913	PASS
			40	VN	5784.985	-2.592913	PASS
			30	VN	5784.985	-2.592913	PASS
			20	VN	5784.895	-18.150389	PASS
			10	VN	5784.895	-18.150389	PASS
			0	VN	5785.045	7.778738	PASS
			-10	VN	5784.91	-15.557476	PASS
			-20	VN	5784.955	-7.778738	PASS

11N20	Ant1	5825	50	VN	5825.03	5.150215	PASS
			40	VN	5824.91	-15.450644	PASS
			30	VN	5824.94	-10.300429	PASS
			20	VN	5825.03	5.150215	PASS
			10	VN	5824.985	-2.575107	PASS
			0	VN	5824.94	-10.300429	PASS
			-10	VN	5824.925	-12.875536	PASS
			-20	VN	5824.925	-12.875536	PASS

Appendix G) Antenna Requirement

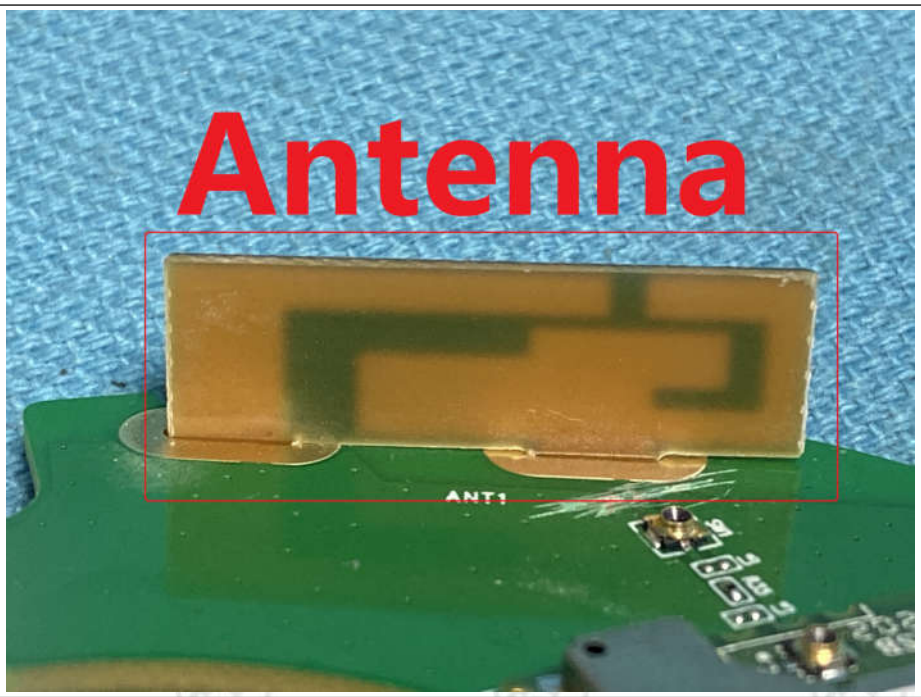
15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.407(a)(1) (2) requirement:

The conducted output power limit specified in paragraph (a) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (a) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power and the peak power spectral density shall be reduced by the by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 5.52dBi.

Appendix H) AC Power Line Conducted Emission

Test Procedure:	Test frequency range :150KHz-30MHz 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Limit:	Frequency range (MHz) / Limit (dBμV): Quasi-peak / Average 0.15-0.5: 66 to 56* / 56 to 46* 0.5-5: 56 / 46 5-30: 60 / 50 * The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz. NOTE : The lower limit is applicable at the transition frequency

Measurement Data

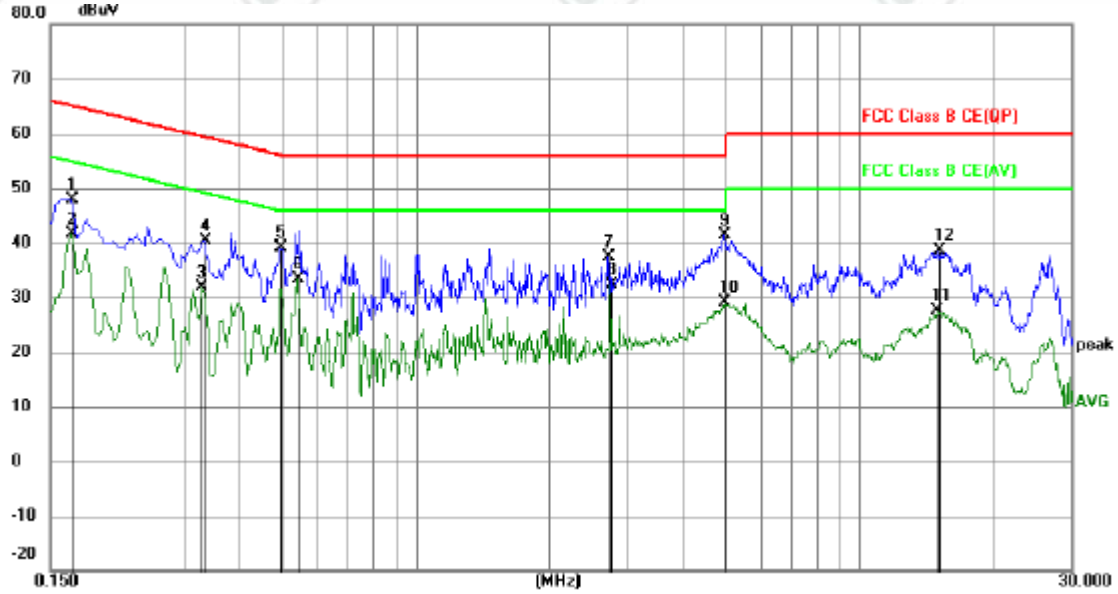
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Product : Wireless Headset **Model/Type reference** : RDA0031

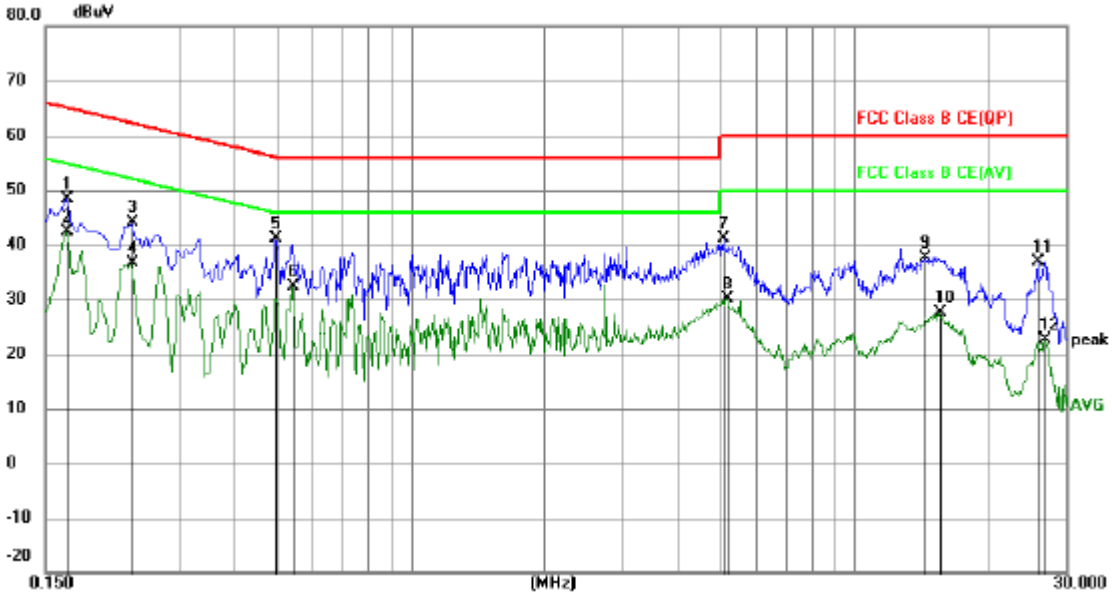
Temperature : 24℃ **Humidity** : 52%

Live line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	38.04	9.87	47.91	65.06	-17.15	QP	
2		0.1680	31.66	9.87	41.53	55.06	-13.53	AVG	
3		0.3300	21.93	10.03	31.96	49.45	-17.49	AVG	
4		0.3345	30.35	10.02	40.37	59.34	-18.97	QP	
5		0.4965	28.98	10.04	39.02	56.06	-17.04	QP	
6	*	0.5415	23.45	10.02	33.47	46.00	-12.53	AVG	
7		2.7150	27.47	9.79	37.26	56.00	-18.74	QP	
8		2.7554	22.58	9.78	32.36	46.00	-13.64	AVG	
9		4.9335	31.72	9.77	41.49	56.00	-14.51	QP	
10		4.9605	19.29	9.77	29.06	46.00	-16.94	AVG	
11		14.9820	17.88	9.83	27.71	50.00	-22.29	AVG	
12		15.1395	28.90	9.83	38.73	60.00	-21.27	QP	

Neutral line:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1680	38.54	9.87	48.41	65.06	-16.65	QP	
2	*	0.1680	32.40	9.87	42.27	55.06	-12.79	AVG	
3		0.2355	34.15	9.94	44.09	62.25	-18.16	QP	
4		0.2355	26.80	9.94	36.74	52.25	-15.51	AVG	
5		0.4965	31.00	10.04	41.04	56.06	-15.02	QP	
6		0.5415	22.37	10.02	32.39	46.00	-13.61	AVG	
7		5.0820	31.28	9.77	41.05	60.00	-18.95	QP	
8		5.1630	20.35	9.77	30.12	50.00	-19.88	AVG	
9		14.3925	27.87	9.83	37.70	60.00	-22.30	QP	
10		15.4725	17.77	9.83	27.60	50.00	-22.40	AVG	
11		25.8855	26.96	9.97	36.93	60.00	-23.07	QP	
12		26.7765	12.53	9.99	22.52	50.00	-27.48	AVG	

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

Appendix I) Restricted bands around fundamental frequency (Radiated Emission)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre).
h. Test the EUT in the lowest channel , the Highest channel
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
j. Repeat above procedures until all frequencies measured was complete.

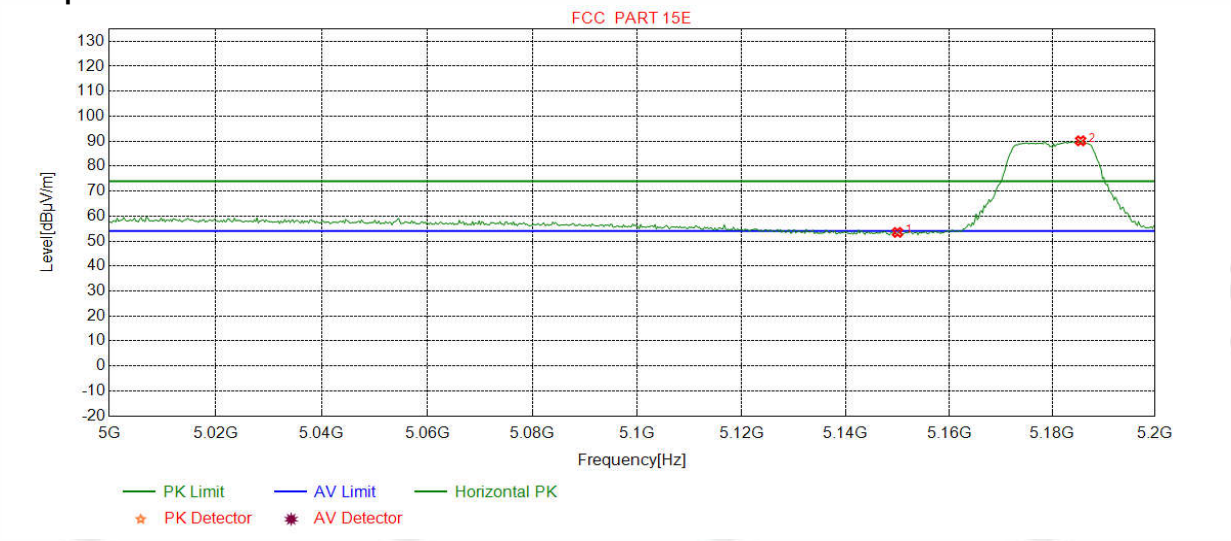
Limit:

Frequency	Limit (dBμV/m @3cm)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test plot as follows:

Mode:	802.11 a(HT20Mbps) Transmitting	Channel:	5180
Remark:	PK		

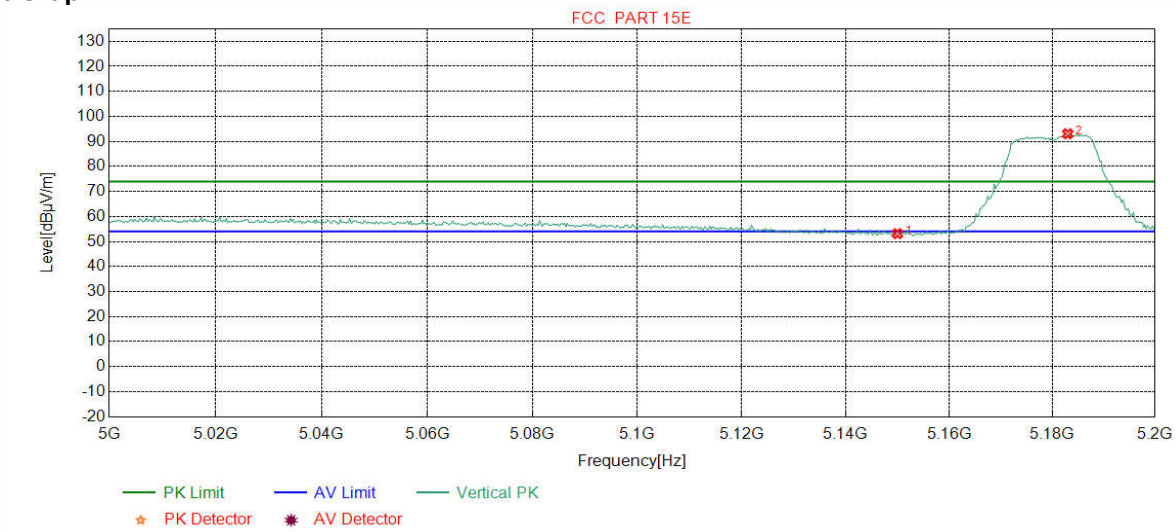
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	46.49	53.48	74.00	20.52	Pass	Horizontal
2	5185.4819	34.69	15.43	-42.73	82.75	90.14	74.00	-16.14	Pass	Horizontal

Mode:	802.11 a(HT20Mbps) Transmitting	Channel:	5180
Remark:	PK		

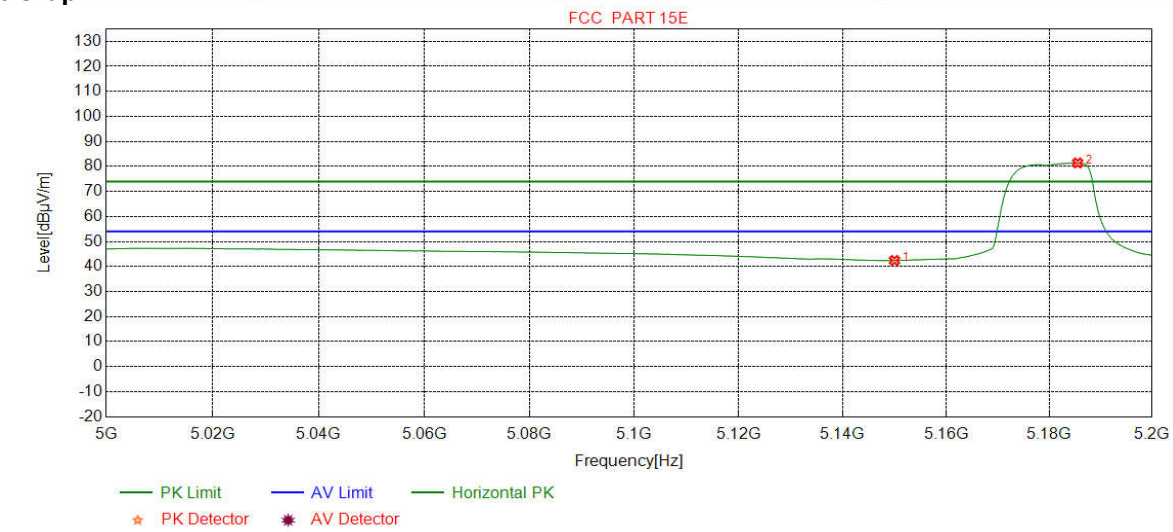
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	46.15	53.14	74.00	20.86	Pass	Vertical
2	5182.9787	34.68	15.40	-42.72	85.70	93.06	74.00	-19.06	Pass	Vertical

Mode:	802.11 a(HT20Mbps) Transmitting	Channel:	5180
Remark:	AV		

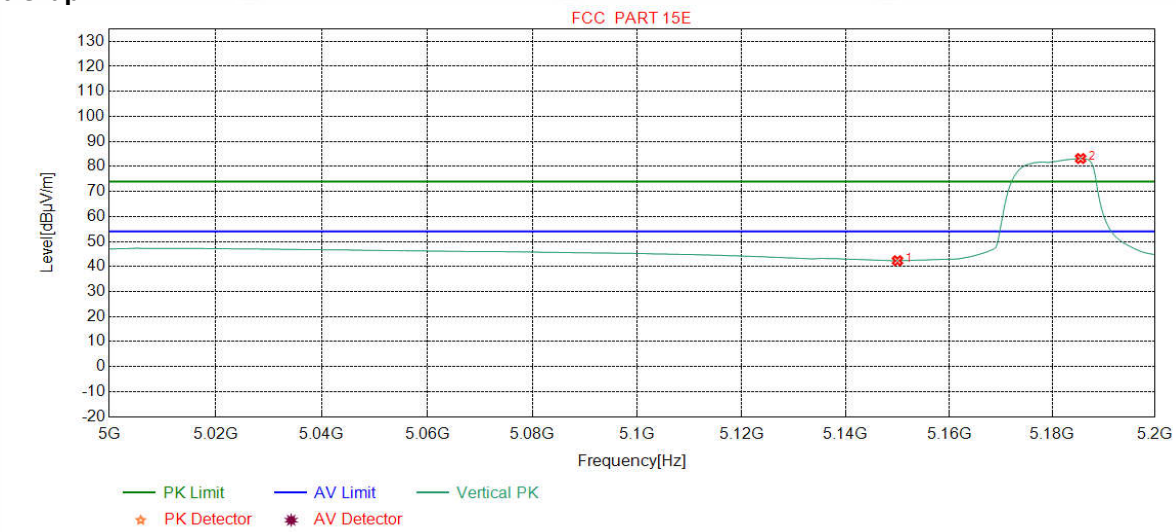
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	35.43	42.42	54.00	11.58	Pass	Horizontal
2	5185.4819	34.69	15.43	-42.73	74.00	81.39	54.00	-27.39	Pass	Horizontal

Mode:	802.11 a(HT20Mbps) Transmitting	Channel:	5180
Remark:	AV		

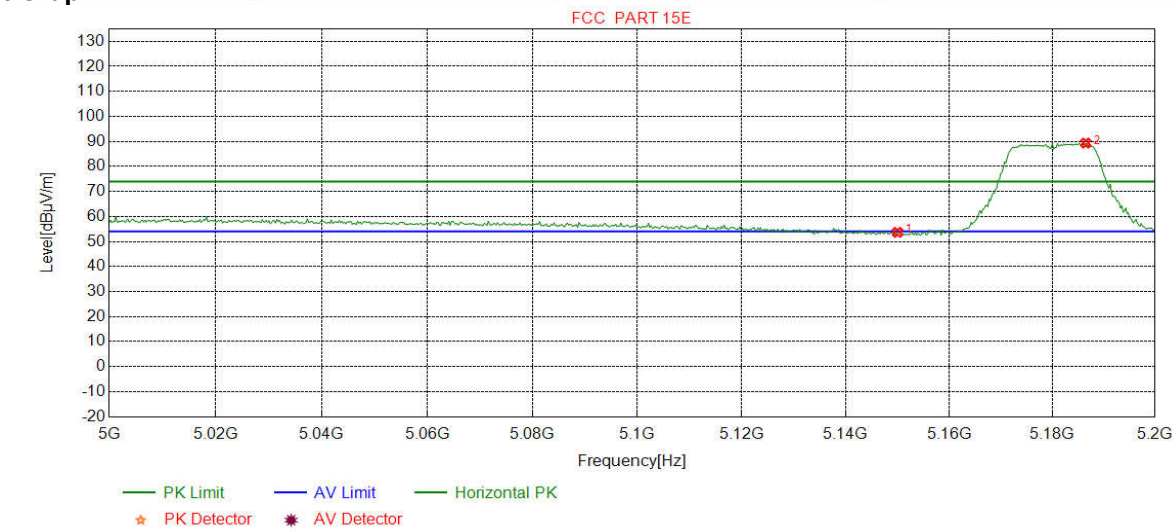
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	35.34	42.33	54.00	11.67	Pass	Vertical
2	5185.4819	34.69	15.43	-42.73	75.78	83.17	54.00	-29.17	Pass	Vertical

Mode:	802.11 n(HT20Mbps) Transmitting	Channel:	5180
Remark:	PK		

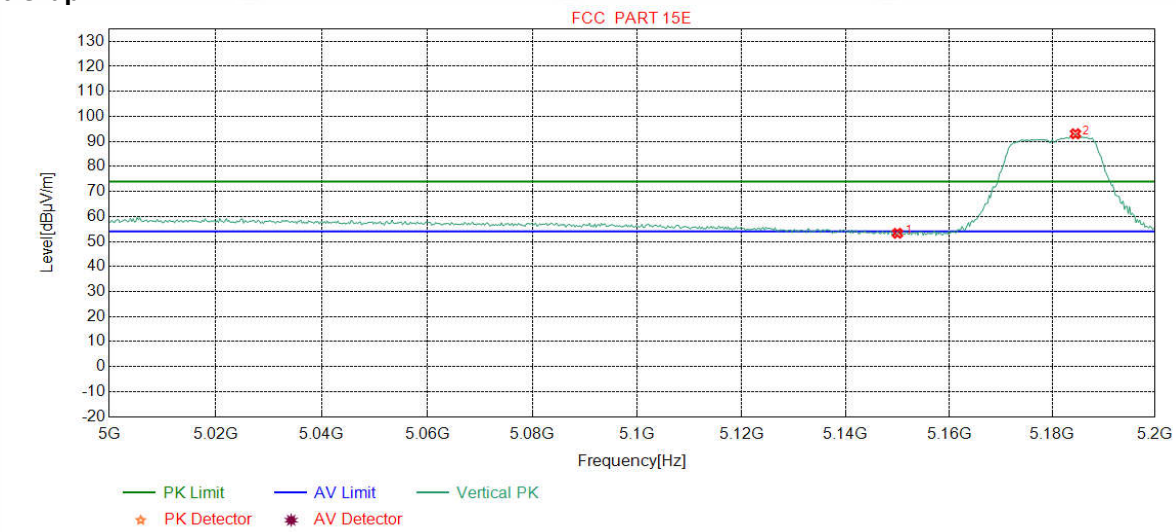
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	46.66	53.65	74.00	20.35	Pass	Horizontal
2	5186.4831	34.69	15.44	-42.73	81.94	89.34	74.00	-15.34	Pass	Horizontal

Mode:	802.11 n(HT20Mbps) Transmitting	Channel:	5180
Remark:	PK		

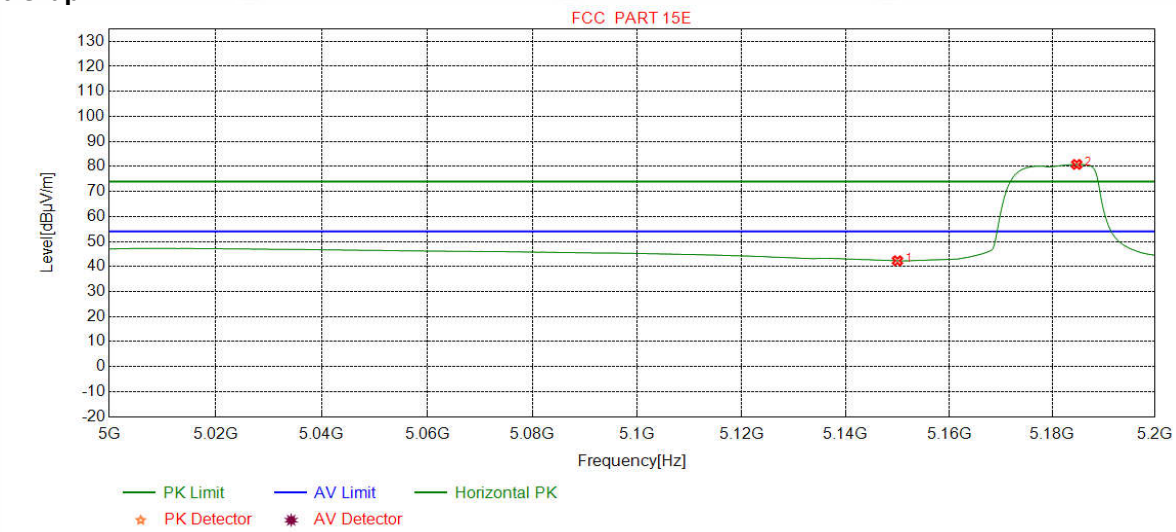
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	46.30	53.29	74.00	20.71	Pass	Vertical
2	5184.4806	34.68	15.42	-42.72	85.67	93.05	74.00	-19.05	Pass	Vertical

Mode:	802.11 n(HT20Mbps) Transmitting	Channel:	5180
Remark:	AV		

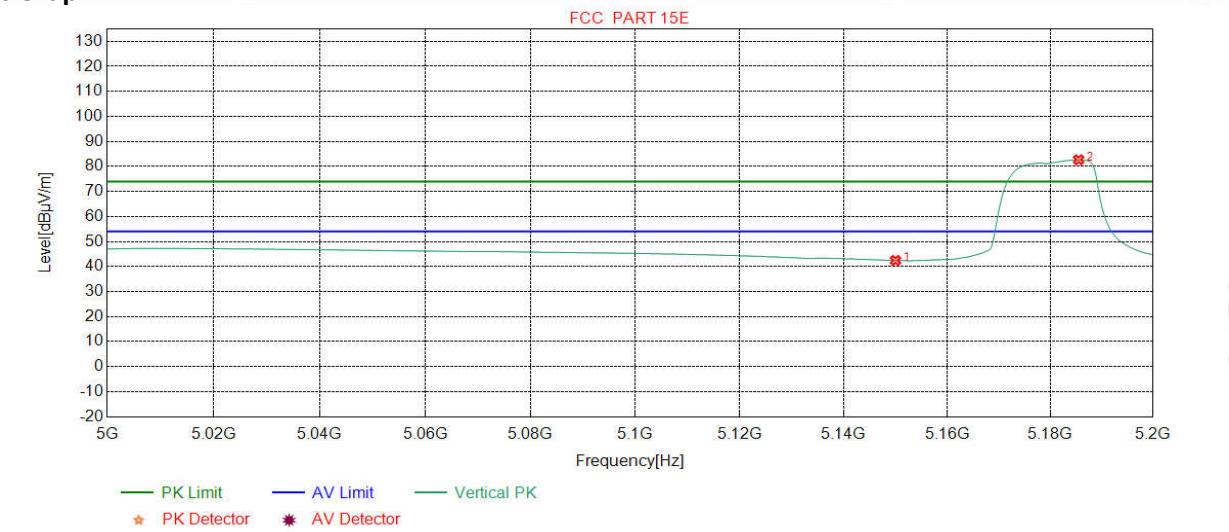
Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	35.32	42.31	54.00	11.69	Pass	Horizontal
2	5184.7309	34.68	15.42	-42.72	73.44	80.82	54.00	-26.82	Pass	Horizontal

Mode:	802.11 n(HT20Mbps) Transmitting	Channel:	5180
Remark:	AV		

Test Graph



NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Preamp gain [dB]	Reading [dBµV]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Result	Polarity
1	5150.0000	34.65	15.08	-42.74	35.44	42.43	54.00	11.57	Pass	Vertical
2	5185.4819	34.69	15.43	-42.73	75.29	82.68	54.00	-28.68	Pass	Vertical

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading - Correct Factor
Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Appendix J) Unwanted Emissions in the Restricted Bands (Radiated Emission)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Test Procedure:

Below 1GHz test procedure as below:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 metre to 1.5 metre(Above 18GHz the distance is 1 meter and table is 1.5 metre)

h. Test the EUT in the lowest channel ,the middle channel ,the Highest channel

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.

j. Repeat above procedures until all frequencies measured was complete.

Limit:

Frequency	Field strength (microvolt/meter)	Limit (dBμV/cm)	Remark	Measurement distance (cm)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz	500	54.0	Quasi-peak	3
Above 1GHz	500	54.0	Average	3

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Test result: PASS

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	75.8856	7.88	1.02	-31.96	56.37	33.31	40.00	6.69	Pass	H	PK
2	102.8543	10.97	1.19	-31.95	50.30	30.51	43.50	12.99	Pass	H	PK
3	239.4439	11.93	1.84	-31.91	42.77	24.63	46.00	21.37	Pass	H	PK
4	479.8340	16.68	2.61	-31.90	43.64	31.03	46.00	14.97	Pass	H	PK
5	600.0290	19.00	2.96	-31.50	41.67	32.13	46.00	13.87	Pass	H	PK
6	875.0515	21.80	3.55	-31.70	36.03	29.68	46.00	16.32	Pass	H	PK
7	56.7747	12.12	0.86	-31.91	51.66	32.73	40.00	7.27	Pass	V	PK
8	100.5261	10.99	1.17	-31.90	47.66	27.92	43.50	15.58	Pass	V	PK
9	240.0260	11.94	1.84	-31.90	46.34	28.22	46.00	17.78	Pass	V	PK
10	480.5131	16.69	2.61	-31.90	39.12	26.52	46.00	19.48	Pass	V	PK
11	600.0290	19.00	2.96	-31.50	41.75	32.21	46.00	13.79	Pass	V	PK
12	838.0908	21.36	3.49	-31.90	46.99	39.94	46.00	6.06	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	75.1095	8.03	1.01	-31.97	56.29	33.36	40.00	6.64	Pass	H	PK
2	102.4662	10.98	1.19	-31.95	49.74	29.96	43.50	13.54	Pass	H	PK
3	240.1230	11.94	1.84	-31.90	55.25	37.13	46.00	8.87	Pass	H	PK
4	480.0280	16.68	2.61	-31.90	36.18	23.57	46.00	22.43	Pass	H	PK
5	600.0290	19.00	2.96	-31.50	41.80	32.26	46.00	13.74	Pass	H	PK
6	719.8360	20.02	3.22	-32.07	42.76	33.93	46.00	12.07	Pass	H	PK
7	42.0292	12.67	0.73	-31.47	48.09	30.02	40.00	9.98	Pass	V	PK
8	75.3035	7.99	1.01	-31.97	55.69	32.72	40.00	7.28	Pass	V	PK
9	193.6554	10.30	1.63	-31.95	42.25	22.23	43.50	21.27	Pass	V	PK
10	418.0388	15.69	2.44	-31.84	37.68	23.97	46.00	22.03	Pass	V	PK
11	600.0290	19.00	2.96	-31.50	42.24	32.70	46.00	13.30	Pass	V	PK
12	836.3446	21.34	3.49	-31.92	46.20	39.11	46.00	6.89	Pass	V	PK

Radiated Emission above 1GHz:

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1734.3234	29.95	3.89	-42.68	52.51	43.67	74.00	30.33	Pass	H	PK
2	2590.0000	32.54	4.79	-43.10	49.77	44.00	74.00	30.00	Pass	H	PK
3	3453.7954	33.38	5.74	-43.10	50.00	46.02	74.00	27.98	Pass	H	PK
4	7582.2041	36.57	6.62	-42.12	48.74	49.81	74.00	24.19	Pass	H	PK
5	9185.3843	37.66	6.61	-42.04	50.35	52.58	74.00	21.42	Pass	H	PK
6	10360.0000	38.30	7.29	-42.03	47.46	51.02	74.00	22.98	Pass	H	PK
7	2142.4642	31.90	4.37	-43.17	58.29	51.39	74.00	22.61	Pass	V	PK
8	2590.0000	32.54	4.79	-43.10	49.07	43.30	74.00	30.70	Pass	V	PK
9	3321.7822	33.33	5.54	-43.10	50.59	46.36	74.00	27.64	Pass	V	PK
10	5989.5490	35.78	8.19	-42.59	50.43	51.81	74.00	22.19	Pass	V	PK
11	7382.6691	36.48	6.43	-42.12	48.99	49.78	74.00	24.22	Pass	V	PK
12	10360.0000	38.30	7.29	-42.03	46.76	50.32	74.00	23.68	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2600.0000	32.56	4.77	-43.10	48.11	42.34	74.00	31.66	Pass	H	PK
2	3068.2068	33.23	5.50	-43.10	51.59	47.22	74.00	26.78	Pass	H	PK
3	4066.5567	33.89	6.30	-42.97	49.35	46.57	74.00	27.43	Pass	H	PK
4	5894.3894	35.63	8.24	-42.60	49.52	50.79	74.00	23.21	Pass	H	PK
5	7776.5638	36.49	6.37	-42.16	49.03	49.73	74.00	24.27	Pass	H	PK
6	10400.0000	38.36	7.54	-42.02	48.18	52.06	74.00	21.94	Pass	H	PK
7	2600.0000	32.56	4.77	-43.10	47.32	41.55	74.00	32.45	Pass	V	PK
8	3811.8812	33.65	6.17	-43.04	50.20	46.98	74.00	27.02	Pass	V	PK
9	6479.6480	35.90	8.58	-42.50	49.28	51.26	74.00	22.74	Pass	V	PK
10	8818.5159	37.30	6.92	-42.00	49.43	51.65	74.00	22.35	Pass	V	PK
11	10400.0000	38.36	7.54	-42.02	46.68	50.56	74.00	23.44	Pass	V	PK
12	12030.0515	39.32	8.05	-41.90	47.94	53.41	74.00	20.59	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2620.0000	32.59	4.80	-43.10	47.33	41.62	74.00	32.38	Pass	H	PK
2	3191.9692	33.28	5.71	-43.11	50.29	46.17	74.00	27.83	Pass	H	PK
3	6350.9351	35.87	8.69	-42.53	49.56	51.59	74.00	22.41	Pass	H	PK
4	7916.8708	36.43	6.63	-42.18	48.94	49.82	74.00	24.18	Pass	H	PK
5	10480.0000	38.47	7.45	-42.00	46.54	50.46	74.00	23.54	Pass	H	PK
6	12269.2635	39.46	7.72	-41.90	47.90	53.18	74.00	20.82	Pass	H	PK
7	1991.7492	31.65	4.13	-43.19	58.91	51.50	74.00	22.50	Pass	V	PK
8	2620.0000	32.59	4.80	-43.10	48.09	42.38	74.00	31.62	Pass	V	PK
9	3493.3993	33.40	5.74	-43.10	50.86	46.90	74.00	27.10	Pass	V	PK
10	6466.4466	35.89	8.53	-42.50	49.73	51.65	74.00	22.35	Pass	V	PK
11	9664.3832	37.67	6.68	-42.11	48.90	51.14	74.00	22.86	Pass	V	PK
12	10480.0000	38.47	7.45	-42.00	46.24	50.16	74.00	23.84	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2590.0000	32.54	4.79	-43.10	48.20	42.43	74.00	31.57	Pass	H	PK
2	2935.0935	33.10	5.26	-43.10	50.75	46.01	74.00	27.99	Pass	H	PK
3	3902.6403	33.72	6.26	-43.02	49.81	46.77	74.00	27.23	Pass	H	PK
4	6500.0000	35.90	8.67	-42.50	49.49	51.56	74.00	22.44	Pass	H	PK
5	7919.1710	36.43	6.62	-42.18	48.50	49.37	74.00	24.63	Pass	H	PK
6	10360.0000	38.30	7.29	-42.03	46.94	50.50	74.00	23.50	Pass	H	PK
7	1991.1991	31.64	4.13	-43.18	56.61	49.20	74.00	24.80	Pass	V	PK
8	2590.0000	32.54	4.79	-43.10	48.33	42.56	74.00	31.44	Pass	V	PK
9	4025.3025	33.84	6.36	-42.99	50.03	47.24	74.00	26.76	Pass	V	PK
10	7625.3313	36.55	6.50	-42.13	49.44	50.36	74.00	23.64	Pass	V	PK
11	9215.8608	37.66	6.63	-42.05	49.05	51.29	74.00	22.71	Pass	V	PK
12	10360.0000	38.30	7.29	-42.03	47.19	50.75	74.00	23.25	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2600.0000	32.56	4.77	-43.10	47.88	42.11	74.00	31.89	Pass	H	PK
2	3200.2200	33.28	5.75	-43.10	50.63	46.56	74.00	27.44	Pass	H	PK
3	3932.3432	33.75	6.25	-43.01	50.13	47.12	74.00	26.88	Pass	H	PK
4	7348.1674	36.45	6.41	-42.14	49.10	49.82	74.00	24.18	Pass	H	PK
5	9204.9352	37.66	6.61	-42.04	49.41	51.64	74.00	22.36	Pass	H	PK
6	10400.0000	38.36	7.54	-42.02	46.88	50.76	74.00	23.24	Pass	H	PK
7	1991.1991	31.64	4.13	-43.18	58.01	50.60	74.00	23.40	Pass	V	PK
8	2600.0000	32.56	4.77	-43.10	47.69	41.92	74.00	32.08	Pass	V	PK
9	3986.2486	33.79	6.35	-43.00	50.82	47.96	74.00	26.04	Pass	V	PK
10	7586.2293	36.57	6.65	-42.12	49.17	50.27	74.00	23.73	Pass	V	PK
11	8512.6006	36.63	6.65	-42.00	48.91	50.19	74.00	23.81	Pass	V	PK
12	10400.0000	38.36	7.54	-42.02	48.76	52.64	74.00	21.36	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2620.0000	32.59	4.80	-43.10	46.81	41.10	74.00	32.90	Pass	H	PK
2	3408.1408	33.36	5.77	-43.10	49.77	45.80	74.00	28.20	Pass	H	PK
3	3935.6436	33.75	6.25	-43.01	50.23	47.22	74.00	26.78	Pass	H	PK
4	7345.8673	36.45	6.40	-42.13	49.40	50.12	74.00	23.88	Pass	H	PK
5	9012.8756	37.70	6.81	-42.01	48.85	51.35	74.00	22.65	Pass	H	PK
6	10480.0000	38.47	7.45	-42.00	47.13	51.05	74.00	22.95	Pass	H	PK
7	2620.0000	32.59	4.80	-43.10	48.05	42.34	74.00	31.66	Pass	V	PK
8	3228.8229	33.29	5.62	-43.10	49.41	45.22	74.00	28.78	Pass	V	PK
9	3937.8438	33.75	6.25	-43.01	49.86	46.85	74.00	27.15	Pass	V	PK
10	6957.1479	36.08	6.41	-42.22	49.06	49.33	74.00	24.67	Pass	V	PK
11	8333.7667	36.53	6.55	-42.06	48.22	49.24	74.00	24.76	Pass	V	PK
12	10480.0000	38.47	7.45	-42.00	47.44	51.36	74.00	22.64	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1861.3861	30.79	3.56	-42.87	50.39	41.87	74.00	32.13	Pass	H	PK
2	2469.1969	32.36	4.07	-43.11	50.31	43.63	74.00	30.37	Pass	H	PK
3	3077.0077	33.23	4.63	-43.10	49.86	44.62	74.00	29.38	Pass	H	PK
4	6498.8999	35.90	7.55	-42.50	50.33	51.28	74.00	22.72	Pass	H	PK
5	8801.6868	37.26	6.96	-42.00	49.63	51.85	74.00	22.15	Pass	H	PK
6	11224.5150	38.73	7.64	-41.99	49.22	53.60	74.00	20.40	Pass	H	PK
7	1996.6997	31.68	3.65	-43.19	56.84	48.98	74.00	25.02	Pass	V	PK
8	2659.5160	32.66	4.36	-43.10	53.00	46.92	74.00	27.08	Pass	V	PK
9	3935.0935	33.75	5.45	-43.01	50.19	46.38	74.00	27.62	Pass	V	PK
10	6473.5974	35.89	7.33	-42.50	49.29	50.01	74.00	23.99	Pass	V	PK
11	8871.4581	37.42	6.87	-42.00	49.37	51.66	74.00	22.34	Pass	V	PK
12	10795.1530	38.56	7.31	-42.00	49.01	52.88	74.00	21.12	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2187.5688	31.96	3.83	-43.16	50.53	43.16	74.00	30.84	Pass	H	PK
2	2931.2431	33.09	4.54	-43.10	49.84	44.37	74.00	29.63	Pass	H	PK
3	3856.4356	33.69	5.24	-43.04	52.20	48.09	74.00	25.91	Pass	H	PK
4	6478.5479	35.90	7.38	-42.51	49.29	50.06	74.00	23.94	Pass	H	PK
5	8306.3871	36.52	6.50	-42.07	49.69	50.64	74.00	23.36	Pass	H	PK
6	11226.0484	38.74	7.65	-42.01	49.27	53.65	74.00	20.35	Pass	H	PK
7	1996.6997	31.68	3.65	-43.19	56.95	49.09	74.00	24.91	Pass	V	PK
8	3063.8064	33.23	4.64	-43.11	50.00	44.76	74.00	29.24	Pass	V	PK
9	4588.5589	34.50	5.81	-42.80	50.97	48.48	74.00	25.52	Pass	V	PK
10	7395.5264	36.50	6.44	-42.13	49.51	50.32	74.00	23.68	Pass	V	PK
11	9166.6444	37.67	6.61	-42.03	48.96	51.21	74.00	22.79	Pass	V	PK
12	10795.1530	38.56	7.31	-42.00	49.06	52.93	74.00	21.07	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2038.5039	31.75	3.65	-43.19	51.13	43.34	74.00	30.66	Pass	H	PK
2	3185.3685	33.27	4.69	-43.10	50.23	45.09	74.00	28.91	Pass	H	PK
3	3885.0385	33.71	5.40	-43.02	52.61	48.70	74.00	25.30	Pass	H	PK
4	6497.2497	35.90	7.54	-42.50	49.07	50.01	74.00	23.99	Pass	H	PK
5	9237.9492	37.65	6.67	-42.05	49.44	51.71	74.00	22.29	Pass	H	PK
6	11515.1010	38.91	7.88	-42.00	48.13	52.92	74.00	21.08	Pass	H	PK
7	1998.8999	31.69	3.65	-43.19	55.83	47.98	74.00	26.02	Pass	V	PK
8	3330.0330	33.33	4.75	-43.09	49.26	44.25	74.00	29.75	Pass	V	PK
9	4554.4554	34.50	5.79	-42.80	49.18	46.67	74.00	27.33	Pass	V	PK
10	8776.3851	37.21	6.95	-42.00	48.56	50.72	74.00	23.28	Pass	V	PK
11	10688.5792	38.54	7.30	-42.01	49.04	52.87	74.00	21.13	Pass	V	PK
12	12084.0056	39.35	8.03	-41.90	47.13	52.61	74.00	21.39	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.1331	28.23	2.93	-42.75	56.38	44.79	74.00	29.21	Pass	H	PK
2	2689.2189	32.70	4.28	-43.10	50.66	44.54	74.00	29.46	Pass	H	PK
3	3830.0330	33.66	5.20	-43.03	53.66	49.49	74.00	24.51	Pass	H	PK
4	7636.2758	36.55	6.39	-42.13	49.18	49.99	74.00	24.01	Pass	H	PK
5	9191.1794	37.66	6.60	-42.03	49.42	51.65	74.00	22.35	Pass	H	PK
6	11316.5211	38.79	7.59	-42.00	48.92	53.30	74.00	20.70	Pass	H	PK
7	1995.0495	31.67	3.65	-43.19	58.31	50.44	74.00	23.56	Pass	V	PK
8	3222.2222	33.29	4.87	-43.10	49.66	44.72	74.00	29.28	Pass	V	PK
9	3949.9450	33.76	5.44	-43.01	50.05	46.24	74.00	27.76	Pass	V	PK
10	6487.3487	35.90	7.45	-42.50	49.68	50.53	74.00	23.47	Pass	V	PK
11	7771.2181	36.49	6.38	-42.16	49.35	50.06	74.00	23.94	Pass	V	PK
12	9808.3872	37.72	6.92	-42.10	48.66	51.20	74.00	22.80	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1993.9494	31.66	3.65	-43.19	51.24	43.36	74.00	30.64	Pass	H	PK
2	2715.6216	32.74	4.26	-43.09	49.53	43.44	74.00	30.56	Pass	H	PK
3	3846.5347	33.68	5.20	-43.03	50.21	46.06	74.00	27.94	Pass	H	PK
4	7348.7566	36.45	6.41	-42.13	48.65	49.38	74.00	24.62	Pass	H	PK
5	8967.2978	37.63	6.84	-42.00	48.32	50.79	74.00	23.21	Pass	H	PK
6	10789.0193	38.56	7.30	-42.00	49.77	53.63	74.00	20.37	Pass	H	PK
7	1995.0495	31.67	3.65	-43.19	57.32	49.45	74.00	24.55	Pass	V	PK
8	3053.9054	33.22	4.65	-43.10	50.62	45.39	74.00	28.61	Pass	V	PK
9	3990.6491	33.79	5.35	-43.00	52.07	48.21	74.00	25.79	Pass	V	PK
10	7532.0021	36.59	6.45	-42.11	48.28	49.21	74.00	24.79	Pass	V	PK
11	9642.7762	37.66	6.60	-42.11	50.06	52.21	74.00	21.79	Pass	V	PK
12	11956.7304	39.27	7.69	-41.91	49.49	54.54	74.00	19.46	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	2361.9362	32.21	4.00	-43.13	49.51	42.59	74.00	31.41	Pass	H	PK
2	3051.7052	33.22	4.65	-43.10	50.28	45.05	74.00	28.95	Pass	H	PK
3	3882.8383	33.71	5.39	-43.03	52.80	48.87	74.00	25.13	Pass	H	PK
4	6486.2486	35.90	7.44	-42.50	50.64	51.48	74.00	22.52	Pass	H	PK
5	8915.9277	37.52	6.89	-42.00	48.73	51.14	74.00	22.86	Pass	H	PK
6	11459.1306	38.88	7.83	-42.00	48.75	53.46	74.00	20.54	Pass	H	PK
7	1993.9494	31.66	3.65	-43.19	58.02	50.14	74.00	23.86	Pass	V	PK
8	2921.8922	33.08	4.52	-43.11	49.83	44.32	74.00	29.68	Pass	V	PK
9	4200.7701	34.08	5.39	-42.92	49.41	45.96	74.00	28.04	Pass	V	PK
10	7766.6178	36.49	6.39	-42.15	49.49	50.22	74.00	23.78	Pass	V	PK
11	9211.8808	37.66	6.62	-42.04	48.91	51.15	74.00	22.85	Pass	V	PK
12	10920.8947	38.58	7.46	-42.00	48.46	52.50	74.00	21.50	Pass	V	PK

Radiated Emission above 18GHz:

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19597.2639	38.97	0.00	-62.91	69.11	45.17	74.00	28.83	Pass	H	PK
2	20720.0000	38.72	0.00	-63.22	66.05	41.55	74.00	32.45	Pass	H	PK
3	24355.6142	40.36	0.00	-60.42	66.25	46.19	74.00	27.81	Pass	H	PK
4	25900.0000	40.43	0.00	-59.44	63.27	44.26	74.00	29.74	Pass	H	PK
5	31080.0000	41.34	0.00	-58.91	61.95	44.38	74.00	29.62	Pass	H	PK
6	36260.0000	43.14	0.00	-58.07	58.88	43.95	74.00	30.05	Pass	H	PK
7	20720.0000	38.72	0.00	-63.22	64.53	40.03	74.00	33.97	Pass	V	PK
8	22628.1051	38.64	0.00	-62.98	69.16	44.82	74.00	29.18	Pass	V	PK
9	25900.0000	40.43	0.00	-59.44	62.51	43.50	74.00	30.50	Pass	V	PK
10	27705.0282	39.84	0.00	-60.16	67.37	47.05	74.00	26.95	Pass	V	PK
11	31080.0000	41.34	0.00	-58.91	62.03	44.46	74.00	29.54	Pass	V	PK
12	36260.0000	43.14	0.00	-58.07	59.50	44.57	74.00	29.43	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20800.0000	38.69	0.00	-63.05	64.58	40.22	74.00	33.78	Pass	H	PK
2	22146.7259	38.39	0.00	-63.20	70.39	45.58	74.00	28.42	Pass	H	PK
3	26000.0000	40.40	0.00	-59.50	62.60	43.50	74.00	30.50	Pass	H	PK
4	28804.1922	40.16	0.00	-60.57	66.76	46.35	74.00	27.65	Pass	H	PK
5	31200.0000	41.43	0.00	-59.31	61.34	43.46	74.00	30.54	Pass	H	PK
6	36400.0000	43.12	0.00	-58.11	60.65	45.66	74.00	28.34	Pass	H	PK
7	20800.0000	38.69	0.00	-63.05	65.72	41.36	74.00	32.64	Pass	V	PK
8	23599.6640	39.64	0.00	-61.50	68.79	46.93	74.00	27.07	Pass	V	PK
9	26000.0000	40.40	0.00	-59.50	64.31	45.21	74.00	28.79	Pass	V	PK
10	28141.5257	39.71	0.00	-60.21	66.87	46.37	74.00	27.63	Pass	V	PK
11	31200.0000	41.43	0.00	-59.31	61.55	43.67	74.00	30.33	Pass	V	PK
12	36400.0000	43.12	0.00	-58.11	60.05	45.06	74.00	28.94	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20960.0000	38.63	0.00	-63.33	65.15	40.45	74.00	33.55	Pass	H	PK
2	21784.1514	38.38	0.00	-63.11	70.99	46.26	74.00	27.74	Pass	H	PK
3	26200.0000	40.40	0.00	-59.99	63.54	43.95	74.00	30.05	Pass	H	PK
4	27647.8259	39.88	0.00	-60.29	67.21	46.80	74.00	27.20	Pass	H	PK
5	31440.0000	41.61	0.00	-58.96	61.82	44.47	74.00	29.53	Pass	H	PK
6	36680.0000	43.10	0.00	-57.75	59.20	44.55	74.00	29.45	Pass	H	PK
7	20960.0000	38.63	0.00	-63.33	66.82	42.12	74.00	31.88	Pass	V	PK
8	23668.3067	39.73	0.00	-61.28	67.72	46.17	74.00	27.83	Pass	V	PK
9	26200.0000	40.40	0.00	-59.99	63.69	44.10	74.00	29.90	Pass	V	PK
10	28069.3628	39.66	0.00	-60.15	67.61	47.12	74.00	26.88	Pass	V	PK
11	31440.0000	41.61	0.00	-58.96	60.95	43.60	74.00	30.40	Pass	V	PK
12	36680.0000	43.10	0.00	-57.75	59.44	44.79	74.00	29.21	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20720.0000	38.72	0.00	-63.22	66.82	42.32	74.00	31.68	Pass	H	PK
2	24384.6554	40.38	0.00	-60.28	66.71	46.81	74.00	27.19	Pass	H	PK
3	25900.0000	40.43	0.00	-59.44	63.88	44.87	74.00	29.13	Pass	H	PK
4	29533.7414	40.59	0.00	-60.12	65.68	46.15	74.00	27.85	Pass	H	PK
5	31080.0000	41.34	0.00	-58.91	62.24	44.67	74.00	29.33	Pass	H	PK
6	36260.0000	43.14	0.00	-58.07	60.09	45.16	74.00	28.84	Pass	H	PK
7	20720.0000	38.72	0.00	-63.22	65.78	41.28	74.00	32.72	Pass	V	PK
8	24347.6939	40.36	0.00	-60.46	67.79	47.69	74.00	26.31	Pass	V	PK
9	25900.0000	40.43	0.00	-59.44	62.57	43.56	74.00	30.44	Pass	V	PK
10	31080.0000	41.34	0.00	-58.91	61.24	43.67	74.00	30.33	Pass	V	PK
11	34131.0452	42.33	0.00	-58.30	64.65	48.68	74.00	25.32	Pass	V	PK
12	36260.0000	43.14	0.00	-58.07	59.77	44.84	74.00	29.16	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20800.0000	38.69	0.00	-63.05	65.58	41.22	74.00	32.78	Pass	H	PK
2	25167.0067	40.66	0.00	-59.66	67.20	48.20	74.00	25.80	Pass	H	PK
3	26000.0000	40.40	0.00	-59.50	62.63	43.53	74.00	30.47	Pass	H	PK
4	31200.0000	41.43	0.00	-59.31	60.94	43.06	74.00	30.94	Pass	H	PK
5	34452.2581	42.59	0.00	-58.23	64.62	48.98	74.00	25.02	Pass	H	PK
6	36400.0000	43.12	0.00	-58.11	61.11	46.12	74.00	27.88	Pass	H	PK
7	20800.0000	38.69	0.00	-63.05	65.99	41.63	74.00	32.37	Pass	V	PK
8	24405.7762	40.39	0.00	-60.21	66.40	46.58	74.00	27.42	Pass	V	PK
9	26000.0000	40.40	0.00	-59.50	62.85	43.75	74.00	30.25	Pass	V	PK
10	27844.9538	39.73	0.00	-59.97	67.21	46.97	74.00	27.03	Pass	V	PK
11	31200.0000	41.43	0.00	-59.31	62.76	44.88	74.00	29.12	Pass	V	PK
12	36400.0000	43.12	0.00	-58.11	61.06	46.07	74.00	27.93	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20960.0000	38.63	0.00	-63.33	67.73	43.03	74.00	30.97	Pass	H	PK
2	23985.1194	40.15	0.00	-60.56	66.92	46.51	74.00	27.49	Pass	H	PK
3	26200.0000	40.40	0.00	-59.99	63.55	43.96	74.00	30.04	Pass	H	PK
4	28064.0826	39.65	0.00	-60.14	67.55	47.06	74.00	26.94	Pass	H	PK
5	31440.0000	41.61	0.00	-58.96	61.31	43.96	74.00	30.04	Pass	H	PK
6	36680.0000	43.10	0.00	-57.75	60.06	45.41	74.00	28.59	Pass	H	PK
7	20960.0000	38.63	0.00	-63.33	66.17	41.47	74.00	32.53	Pass	V	PK
8	24043.2017	40.19	0.00	-60.68	67.57	47.08	74.00	26.92	Pass	V	PK
9	26200.0000	40.40	0.00	-59.99	62.97	43.38	74.00	30.62	Pass	V	PK
10	27410.2164	40.06	0.00	-60.44	67.82	47.44	74.00	26.56	Pass	V	PK
11	31440.0000	41.61	0.00	-58.96	61.44	44.09	74.00	29.91	Pass	V	PK
12	36680.0000	43.10	0.00	-57.75	58.91	44.26	74.00	29.74	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19747.7499	38.97	0.00	-62.68	68.99	45.28	74.00	28.72	Pass	H	PK
2	22980.0000	38.83	0.00	-63.81	65.36	40.38	74.00	33.62	Pass	H	PK
3	26386.7355	40.39	0.00	-59.84	66.42	46.97	74.00	27.03	Pass	H	PK
4	28725.0000	40.11	0.00	-60.73	63.00	42.38	74.00	31.62	Pass	H	PK
5	34470.0000	42.61	0.00	-58.17	60.87	45.31	74.00	28.69	Pass	H	PK
6	38375.4550	43.70	0.00	-55.85	61.91	49.76	74.00	24.24	Pass	H	PK
7	20010.8804	38.97	0.00	-62.07	68.62	45.52	74.00	28.48	Pass	V	PK
8	22980.0000	38.83	0.00	-63.81	65.19	40.21	74.00	33.79	Pass	V	PK
9	25248.8500	40.63	0.00	-59.58	66.03	47.08	74.00	26.92	Pass	V	PK
10	28725.0000	40.11	0.00	-60.73	65.37	44.75	74.00	29.25	Pass	V	PK
11	31002.5201	41.28	0.00	-58.64	64.56	47.20	74.00	26.80	Pass	V	PK
12	34470.0000	42.61	0.00	-58.17	62.34	46.78	74.00	27.22	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20859.2344	38.67	0.00	-63.15	69.59	45.11	74.00	28.89	Pass	H	PK
2	23140.0000	39.03	0.00	-62.95	64.54	40.62	74.00	33.38	Pass	H	PK
3	26605.8642	40.39	0.00	-59.82	67.03	47.60	74.00	26.40	Pass	H	PK
4	28925.0000	40.25	0.00	-60.50	62.79	42.54	74.00	31.46	Pass	H	PK
5	30944.4378	41.26	0.00	-58.72	65.18	47.72	74.00	26.28	Pass	H	PK
6	34710.0000	42.80	0.00	-58.08	60.42	45.14	74.00	28.86	Pass	H	PK
7	20410.4164	38.83	0.00	-62.91	70.32	46.24	74.00	27.76	Pass	V	PK
8	23140.0000	39.03	0.00	-62.95	66.43	42.51	74.00	31.49	Pass	V	PK
9	26604.9842	40.39	0.00	-59.81	66.57	47.15	74.00	26.85	Pass	V	PK
10	28925.0000	40.25	0.00	-60.50	62.96	42.71	74.00	31.29	Pass	V	PK
11	32817.1527	42.08	0.00	-58.47	66.15	49.76	74.00	24.24	Pass	V	PK
12	34710.0000	42.80	0.00	-58.08	61.14	45.86	74.00	28.14	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	21106.5243	38.59	0.00	-63.29	70.19	45.49	74.00	28.51	Pass	H	PK
2	23300.0000	39.24	0.00	-62.23	64.63	41.64	74.00	32.36	Pass	H	PK
3	26788.0315	40.38	0.00	-60.24	67.54	47.68	74.00	26.32	Pass	H	PK
4	29125.0000	40.37	0.00	-60.60	63.37	43.14	74.00	30.86	Pass	H	PK
5	32440.4976	42.05	0.00	-57.70	63.63	47.98	74.00	26.02	Pass	H	PK
6	34950.0000	43.00	0.00	-58.41	59.81	44.40	74.00	29.60	Pass	H	PK
7	21255.2502	38.54	0.00	-63.24	69.70	45.00	74.00	29.00	Pass	V	PK
8	23300.0000	39.24	0.00	-62.23	64.00	41.01	74.00	32.99	Pass	V	PK
9	25383.4953	40.59	0.00	-59.88	66.42	47.13	74.00	26.87	Pass	V	PK
10	29125.0000	40.37	0.00	-60.60	65.18	44.95	74.00	29.05	Pass	V	PK
11	32385.9354	42.05	0.00	-57.57	64.15	48.63	74.00	25.37	Pass	V	PK
12	34950.0000	43.00	0.00	-58.41	60.52	45.11	74.00	28.89	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	20083.9234	38.94	0.00	-62.39	69.43	45.98	74.00	28.02	Pass	H	PK
2	22980.0000	38.83	0.00	-63.81	66.57	41.59	74.00	32.41	Pass	H	PK
3	25415.1766	40.58	0.00	-59.87	66.85	47.56	74.00	26.44	Pass	H	PK
4	28725.0000	40.11	0.00	-60.73	65.29	44.67	74.00	29.33	Pass	H	PK
5	31398.5359	41.57	0.00	-58.98	64.56	47.15	74.00	26.85	Pass	H	PK
6	34470.0000	42.61	0.00	-58.17	61.21	45.65	74.00	28.35	Pass	H	PK
7	19459.9784	38.96	0.00	-62.90	70.16	46.22	74.00	27.78	Pass	V	PK
8	22980.0000	38.83	0.00	-63.81	65.92	40.94	74.00	33.06	Pass	V	PK
9	26445.6978	40.39	0.00	-59.82	66.47	47.04	74.00	26.96	Pass	V	PK
10	28725.0000	40.11	0.00	-60.73	63.94	43.32	74.00	30.68	Pass	V	PK
11	31743.5097	41.83	0.00	-59.05	65.35	48.13	74.00	25.87	Pass	V	PK
12	34470.0000	42.61	0.00	-58.17	60.57	45.01	74.00	28.99	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	21213.8886	38.55	0.00	-63.20	69.70	45.05	74.00	28.95	Pass	H	PK
2	23140.0000	39.03	0.00	-62.95	63.71	39.79	74.00	34.21	Pass	H	PK
3	26618.1847	40.39	0.00	-59.85	66.10	46.64	74.00	27.36	Pass	H	PK
4	28925.0000	40.25	0.00	-60.50	63.33	43.08	74.00	30.92	Pass	H	PK
5	30976.1190	41.27	0.00	-58.67	64.97	47.57	74.00	26.43	Pass	H	PK
6	34710.0000	42.80	0.00	-58.08	61.24	45.96	74.00	28.04	Pass	H	PK
7	23140.0000	39.03	0.00	-62.95	65.37	41.45	74.00	32.55	Pass	V	PK
8	24315.1326	40.34	0.00	-60.62	67.11	46.83	74.00	27.17	Pass	V	PK
9	28925.0000	40.25	0.00	-60.50	63.91	43.66	74.00	30.34	Pass	V	PK
10	31027.1611	41.30	0.00	-58.72	64.41	46.99	74.00	27.01	Pass	V	PK
11	32868.1947	42.08	0.00	-58.51	64.79	48.36	74.00	25.64	Pass	V	PK
12	34710.0000	42.80	0.00	-58.08	60.34	45.06	74.00	28.94	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	19997.6799	38.97	0.00	-62.03	67.68	44.62	74.00	29.38	Pass	H	PK
2	23300.0000	39.24	0.00	-62.23	64.77	41.78	74.00	32.22	Pass	H	PK
3	25504.9402	40.55	0.00	-59.55	65.83	46.83	74.00	27.17	Pass	H	PK
4	29125.0000	40.37	0.00	-60.60	64.24	44.01	74.00	29.99	Pass	H	PK
5	31769.9108	41.85	0.00	-59.08	65.13	47.90	74.00	26.10	Pass	H	PK
6	34950.0000	43.00	0.00	-58.41	60.40	44.99	74.00	29.01	Pass	H	PK
7	21804.3922	38.37	0.00	-63.10	70.06	45.33	74.00	28.67	Pass	V	PK
8	23300.0000	39.24	0.00	-62.23	65.11	42.12	74.00	31.88	Pass	V	PK
9	26617.3047	40.39	0.00	-59.84	66.27	46.82	74.00	27.18	Pass	V	PK
10	29125.0000	40.37	0.00	-60.60	64.26	44.03	74.00	29.97	Pass	V	PK
11	33715.6686	42.18	0.00	-57.92	64.50	48.76	74.00	25.24	Pass	V	PK
12	34950.0000	43.00	0.00	-58.41	60.59	45.18	74.00	28.82	Pass	V	PK

Test Data:

For the all emission,out-of-band emission that complies with both the peak and average limits of § 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz maximum emission limit. Refer to test item“Unwanted Emissions in the Restricted Bands (Radiated Emission)” test result.

Note:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Final Test Level =Receiver Reading - Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

2) Scan from 1GHz to 25GHz, the disturbance above 13GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Appendix K) Unwanted Emissions that fall Outside of the Restricted Bands

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
Above 1GHz	Peak	1MHz	3MHz	Peak

Test Procedure:

a) The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b)The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
e) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f) Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel
j) Test the EUT in the lowest channel or/and the middle channel ,the Highest channel
h) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
i) Repeat above procedures until all frequencies measured was complete.

Limit:

Transmitter Operation Frequency(MHz)	Limit (EIRP)	Limit (dBμV/m)@3m	Measurement distance (cm)
5150-5350	-27dBm/MHz	68.2dBuV/m	3
5470-5725	-27dBm/MHz	68.2dBuV/m	3

Note:
(i) EIRP = ((E*d)^2) / 30
where:
• E is the field strength in V/m;
• d is the measurement distance in meters;
• EIRP is the equivalent isotropically radiated power in watts.
(ii) Working in dB units, the above equation is equivalent to:
EIRP[dBm] = E[dBμV/m] + 20 log(d[meters]) - 104.77
(iii) Or, if d is 3 meters:
EIRP[dBm] = E[dBμV/m] - 95.2

Test result: PASS

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1734.3234	29.95	3.89	-42.68	52.51	43.67	68.20	24.53	Pass	H	PK
2	2590.0000	32.54	4.79	-43.10	49.77	44.00	68.20	24.20	Pass	H	PK
3	3806.9307	33.65	6.15	-43.05	50.37	47.12	68.20	21.08	Pass	H	PK
4	7582.2041	36.57	6.62	-42.12	48.74	49.81	68.20	18.39	Pass	H	PK
5	10360.0000	38.30	7.29	-42.03	47.46	51.02	68.20	17.18	Pass	H	PK
6	15540.0000	40.98	10.09	-42.10	46.07	55.04	68.20	13.16	Pass	H	PK
7	2251.3751	32.05	4.49	-43.15	52.71	46.10	68.20	22.10	Pass	V	PK
8	2590.0000	32.54	4.79	-43.10	49.07	43.30	68.20	24.90	Pass	V	PK
9	4584.7085	34.50	6.79	-42.80	50.06	48.55	68.20	19.65	Pass	V	PK
10	10360.0000	38.30	7.29	-42.03	46.76	50.32	68.20	17.88	Pass	V	PK
11	12662.5831	39.60	8.15	-41.90	48.93	54.78	68.20	13.42	Pass	V	PK
12	15540.0000	40.98	10.09	-42.10	47.16	56.13	68.20	12.07	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1730.4730	29.92	3.89	-42.67	51.68	42.82	68.20	25.38	Pass	H	PK
2	2600.0000	32.56	4.77	-43.10	48.11	42.34	68.20	25.86	Pass	H	PK
3	3466.4466	33.39	5.74	-43.10	50.37	46.40	68.20	21.80	Pass	H	PK
4	8501.1001	36.60	6.64	-42.00	49.27	50.51	68.20	17.69	Pass	H	PK
5	10400.0000	38.36	7.54	-42.02	48.18	52.06	68.20	16.14	Pass	H	PK
6	15600.0000	41.10	9.81	-42.10	45.19	54.00	68.20	14.20	Pass	H	PK
7	2600.0000	32.56	4.77	-43.10	47.32	41.55	68.20	26.65	Pass	V	PK
8	3452.6953	33.38	5.74	-43.10	49.47	45.49	68.20	22.71	Pass	V	PK
9	6403.7404	35.88	8.51	-42.52	49.37	51.24	68.20	16.96	Pass	V	PK
10	10400.0000	38.36	7.54	-42.02	46.68	50.56	68.20	17.64	Pass	V	PK
11	12472.2486	39.58	7.89	-41.89	49.38	54.96	68.20	13.24	Pass	V	PK
12	15600.0000	41.10	9.81	-42.10	45.54	54.35	68.20	13.85	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1744.2244	30.01	3.89	-42.68	54.52	45.74	68.20	22.46	Pass	H	PK
2	2620.0000	32.59	4.80	-43.10	47.33	41.62	68.20	26.58	Pass	H	PK
3	3191.9692	33.28	5.71	-43.11	50.29	46.17	68.20	22.03	Pass	H	PK
4	7625.3313	36.55	6.50	-42.13	49.06	49.98	68.20	18.22	Pass	H	PK
5	10480.0000	38.47	7.45	-42.00	46.54	50.46	68.20	17.74	Pass	H	PK
6	15720.0000	41.34	10.45	-42.10	47.03	56.72	68.20	11.48	Pass	H	PK
7	1327.2827	28.23	3.33	-42.76	62.20	51.00	68.20	17.20	Pass	V	PK
8	1991.7492	31.65	4.13	-43.19	58.91	51.50	68.20	16.70	Pass	V	PK
9	3987.3487	33.79	6.35	-43.00	49.94	47.08	68.20	21.12	Pass	V	PK
10	6466.4466	35.89	8.53	-42.50	49.73	51.65	68.20	16.55	Pass	V	PK
11	9102.5801	37.68	6.65	-42.02	49.37	51.68	68.20	16.52	Pass	V	PK
12	13098.4549	39.56	7.90	-41.88	49.30	54.88	68.20	13.32	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5180	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1330.0330	28.23	3.33	-42.75	57.19	46.00	68.20	22.20	Pass	H	PK
2	2590.0000	32.54	4.79	-43.10	48.20	42.43	68.20	25.77	Pass	H	PK
3	4179.3179	34.05	6.26	-42.93	50.02	47.40	68.20	20.80	Pass	H	PK
4	7586.8043	36.57	6.65	-42.12	48.70	49.80	68.20	18.40	Pass	H	PK
5	10360.0000	38.30	7.29	-42.03	46.94	50.50	68.20	17.70	Pass	H	PK
6	15540.0000	40.98	10.09	-42.10	46.29	55.26	68.20	12.94	Pass	H	PK
7	1327.8328	28.23	3.33	-42.76	61.91	50.71	68.20	17.49	Pass	V	PK
8	1991.1991	31.64	4.13	-43.18	56.61	49.20	68.20	19.00	Pass	V	PK
9	2590.0000	32.54	4.79	-43.10	48.33	42.56	68.20	25.64	Pass	V	PK
10	7625.3313	36.55	6.50	-42.13	49.44	50.36	68.20	17.84	Pass	V	PK
11	10360.0000	38.30	7.29	-42.03	47.19	50.75	68.20	17.45	Pass	V	PK
12	15540.0000	40.98	10.09	-42.10	46.66	55.63	68.20	12.57	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5200	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1328.9329	28.23	3.33	-42.76	55.89	44.69	68.20	23.51	Pass	H	PK
2	2600.0000	32.56	4.77	-43.10	47.88	42.11	68.20	26.09	Pass	H	PK
3	3932.3432	33.75	6.25	-43.01	50.13	47.12	68.20	21.08	Pass	H	PK
4	7348.1674	36.45	6.41	-42.14	49.10	49.82	68.20	18.38	Pass	H	PK
5	10400.0000	38.36	7.54	-42.02	46.88	50.76	68.20	17.44	Pass	H	PK
6	15600.0000	41.10	9.81	-42.10	45.34	54.15	68.20	14.05	Pass	H	PK
7	1330.5831	28.23	3.33	-42.75	61.88	50.69	68.20	17.51	Pass	V	PK
8	1991.1991	31.64	4.13	-43.18	58.01	50.60	68.20	17.60	Pass	V	PK
9	2600.0000	32.56	4.77	-43.10	47.69	41.92	68.20	26.28	Pass	V	PK
10	7586.2293	36.57	6.65	-42.12	49.17	50.27	68.20	17.93	Pass	V	PK
11	10400.0000	38.36	7.54	-42.02	48.76	52.64	68.20	15.56	Pass	V	PK
12	15600.0000	41.10	9.81	-42.10	45.47	54.28	68.20	13.92	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5240	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1333.3333	28.23	3.33	-42.75	54.58	43.39	68.20	24.81	Pass	H	PK
2	2620.0000	32.59	4.80	-43.10	46.81	41.10	68.20	27.10	Pass	H	PK
3	3935.6436	33.75	6.25	-43.01	50.23	47.22	68.20	20.98	Pass	H	PK
4	6487.3487	35.90	8.62	-42.51	49.40	51.41	68.20	16.79	Pass	H	PK
5	10480.0000	38.47	7.45	-42.00	47.13	51.05	68.20	17.15	Pass	H	PK
6	15720.0000	41.34	10.45	-42.10	46.30	55.99	68.20	12.21	Pass	H	PK
7	1327.8328	28.23	3.33	-42.76	63.67	52.47	68.20	15.73	Pass	V	PK
8	1992.8493	31.65	4.13	-43.18	58.27	50.87	68.20	17.33	Pass	V	PK
9	2620.0000	32.59	4.80	-43.10	48.05	42.34	68.20	25.86	Pass	V	PK
10	9023.2262	37.70	6.79	-42.01	49.72	52.20	68.20	16.00	Pass	V	PK
11	10480.0000	38.47	7.45	-42.00	47.44	51.36	68.20	16.84	Pass	V	PK
12	15720.0000	41.34	10.45	-42.10	47.03	56.72	68.20	11.48	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1332.2332	28.23	2.93	-42.75	54.67	43.08	68.20	25.12	Pass	H	PK
2	2872.5000	33.00	4.48	-43.10	48.46	42.84	68.20	25.36	Pass	H	PK
3	3829.4829	33.66	5.20	-43.03	51.79	47.62	68.20	20.58	Pass	H	PK
4	8801.6868	37.26	6.96	-42.00	49.63	51.85	68.20	16.35	Pass	H	PK
5	11490.0000	38.89	7.94	-42.00	46.89	51.72	68.20	16.48	Pass	H	PK
6	17235.0000	42.44	11.22	-41.21	47.91	60.36	68.20	7.84	Pass	H	PK
7	1327.8328	28.23	2.93	-42.76	61.30	49.70	68.20	18.50	Pass	V	PK
8	1996.6997	31.68	3.65	-43.19	56.84	48.98	68.20	19.22	Pass	V	PK
9	2872.5000	33.00	4.48	-43.10	47.52	41.90	68.20	26.30	Pass	V	PK
10	8871.4581	37.42	6.87	-42.00	49.37	51.66	68.20	16.54	Pass	V	PK
11	11490.0000	38.89	7.94	-42.00	45.67	50.50	68.20	17.70	Pass	V	PK
12	17235.0000	42.44	11.22	-41.21	46.48	58.93	68.20	9.27	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.1331	28.23	2.93	-42.75	57.14	45.55	68.20	22.65	Pass	H	PK
2	2892.5000	33.03	4.47	-43.10	48.32	42.72	68.20	25.48	Pass	H	PK
3	3856.4356	33.69	5.24	-43.04	52.20	48.09	68.20	20.11	Pass	H	PK
4	8306.3871	36.52	6.50	-42.07	49.69	50.64	68.20	17.56	Pass	H	PK
5	11570.0000	38.96	7.70	-41.99	44.95	49.62	68.20	18.58	Pass	H	PK
6	17355.0000	42.56	11.03	-41.12	46.18	58.65	68.20	9.55	Pass	H	PK
7	1332.7833	28.23	2.93	-42.74	60.19	48.61	68.20	19.59	Pass	V	PK
8	1996.6997	31.68	3.65	-43.19	56.95	49.09	68.20	19.11	Pass	V	PK
9	2892.5000	33.03	4.47	-43.10	47.98	42.38	68.20	25.82	Pass	V	PK
10	7395.5264	36.50	6.44	-42.13	49.51	50.32	68.20	17.88	Pass	V	PK
11	11570.0000	38.96	7.70	-41.99	44.98	49.65	68.20	18.55	Pass	V	PK
12	17355.0000	42.56	11.03	-41.12	46.49	58.96	68.20	9.24	Pass	V	PK

Mode:			802.11 a(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1328.3828	28.23	2.93	-42.76	56.07	44.47	68.20	23.73	Pass	H	PK
2	2912.5000	33.06	4.50	-43.10	48.64	43.10	68.20	25.10	Pass	H	PK
3	3885.0385	33.71	5.40	-43.02	52.61	48.70	68.20	19.50	Pass	H	PK
4	7868.5912	36.45	6.55	-42.17	49.30	50.13	68.20	18.07	Pass	H	PK
5	11650.0000	39.02	7.54	-41.97	46.74	51.33	68.20	16.87	Pass	H	PK
6	17475.0000	42.68	11.90	-41.03	47.31	60.86	68.20	7.34	Pass	H	PK
7	1332.7833	28.23	2.93	-42.74	60.75	49.17	68.20	19.03	Pass	V	PK
8	1998.8999	31.69	3.65	-43.19	55.83	47.98	68.20	20.22	Pass	V	PK
9	2912.5000	33.06	4.50	-43.10	48.32	42.78	68.20	25.42	Pass	V	PK
10	7799.5866	36.48	6.32	-42.16	49.22	49.86	68.20	18.34	Pass	V	PK
11	11650.0000	39.02	7.54	-41.97	46.60	51.19	68.20	17.01	Pass	V	PK
12	17475.0000	42.68	11.90	-41.03	48.02	61.57	68.20	6.63	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5745	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.1331	28.23	2.93	-42.75	56.38	44.79	68.20	23.41	Pass	H	PK
2	1999.4499	31.70	3.65	-43.20	51.34	43.49	68.20	24.71	Pass	H	PK
3	2872.5000	33.00	4.48	-43.10	47.73	42.11	68.20	26.09	Pass	H	PK
4	3830.0330	33.66	5.20	-43.03	53.66	49.49	68.20	18.71	Pass	H	PK
5	11490.0000	38.89	7.94	-42.00	46.33	51.16	68.20	17.04	Pass	H	PK
6	17235.0000	42.44	11.22	-41.21	47.33	59.78	68.20	8.42	Pass	H	PK
7	1331.1331	28.23	2.93	-42.75	62.82	51.23	68.20	16.97	Pass	V	PK
8	2872.5000	33.00	4.48	-43.10	48.98	43.36	68.20	24.84	Pass	V	PK
9	3826.7327	33.66	5.20	-43.04	51.33	47.15	68.20	21.05	Pass	V	PK
10	9218.0145	37.66	6.63	-42.04	49.43	51.68	68.20	16.52	Pass	V	PK
11	11490.0000	38.89	7.94	-42.00	45.81	50.64	68.20	17.56	Pass	V	PK
12	17235.0000	42.44	11.22	-41.21	47.75	60.20	68.20	8.00	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5785	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.6832	28.23	2.93	-42.75	54.43	42.84	68.20	25.36	Pass	H	PK
2	2892.5000	33.03	4.47	-43.10	48.39	42.79	68.20	25.41	Pass	H	PK
3	7527.4018	36.59	6.46	-42.10	48.87	49.82	68.20	18.38	Pass	H	PK
4	10789.0193	38.56	7.30	-42.00	49.77	53.63	68.20	14.57	Pass	H	PK
5	11570.0000	38.96	7.70	-41.99	44.37	49.04	68.20	19.16	Pass	H	PK
6	17355.0000	42.56	11.03	-41.12	47.12	59.59	68.20	8.61	Pass	H	PK
7	1331.1331	28.23	2.93	-42.75	61.65	50.06	68.20	18.14	Pass	V	PK
8	1995.0495	31.67	3.65	-43.19	57.32	49.45	68.20	18.75	Pass	V	PK
9	2892.5000	33.03	4.47	-43.10	46.90	41.30	68.20	26.90	Pass	V	PK
10	3990.6491	33.79	5.35	-43.00	52.07	48.21	68.20	19.99	Pass	V	PK
11	11570.0000	38.96	7.70	-41.99	45.96	50.63	68.20	17.57	Pass	V	PK
12	17355.0000	42.56	11.03	-41.12	46.23	58.70	68.20	9.50	Pass	V	PK

Mode:			802.11 n(HT20Mbps) Transmitting					Channel:		5825	
NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Result	Polarity	Remark
1	1331.6832	28.23	2.93	-42.75	56.77	45.18	68.20	23.02	Pass	H	PK
2	2912.5000	33.06	4.50	-43.10	48.13	42.59	68.20	25.61	Pass	H	PK
3	3882.8383	33.71	5.39	-43.03	52.80	48.87	68.20	19.33	Pass	H	PK
4	8395.3264	36.56	6.69	-42.04	48.87	50.08	68.20	18.12	Pass	H	PK
5	11650.0000	39.02	7.54	-41.97	45.99	50.58	68.20	17.62	Pass	H	PK
6	17475.0000	42.68	11.90	-41.03	47.29	60.84	68.20	7.36	Pass	H	PK
7	1328.3828	28.23	2.93	-42.76	61.82	50.22	68.20	17.98	Pass	V	PK
8	1993.9494	31.66	3.65	-43.19	58.02	50.14	68.20	18.06	Pass	V	PK
9	2912.5000	33.06	4.50	-43.10	47.76	42.22	68.20	25.98	Pass	V	PK
10	7766.6178	36.49	6.39	-42.15	49.49	50.22	68.20	17.98	Pass	V	PK
11	11650.0000	39.02	7.54	-41.97	46.93	51.52	68.20	16.68	Pass	V	PK
12	17475.0000	42.68	11.90	-41.03	46.44	59.99	68.20	8.21	Pass	V	PK