

Report No. : EED32M00130001

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TEST REPORT

Product : Wireless Headset
Trade mark : CORSAIR
Model/Type reference : RDA0031
Serial Number : N/A
Report Number : EED32M00130001
FCC ID : 2AAFMRDA0031
Date of Issue : Jul. 29, 2020
Test Standards : 47 CFR Part 15Subpart C
Test result : PASS

Prepared for:

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

Prepared by:

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Date:

Jul. 29, 2020

Sam Chuang

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 15.203/15.247 (c)	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Subpart C Section 15.207	ANSI C63.10-2013	PASS
Conducted Peak Output Power	47 CFR Part 15 Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013	PASS
Power Spectral Density	47 CFR Part 15 Subpart C Section 15.247 (e)	ANSI C63.10-2013	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions	47 CFR Part 15 Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
Radiated Spurious Emissions	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

Test according to ANSI C63.4-2014 & ANSI C63.10-2013.

The tested sample(s) and the sample information are provided by the client.

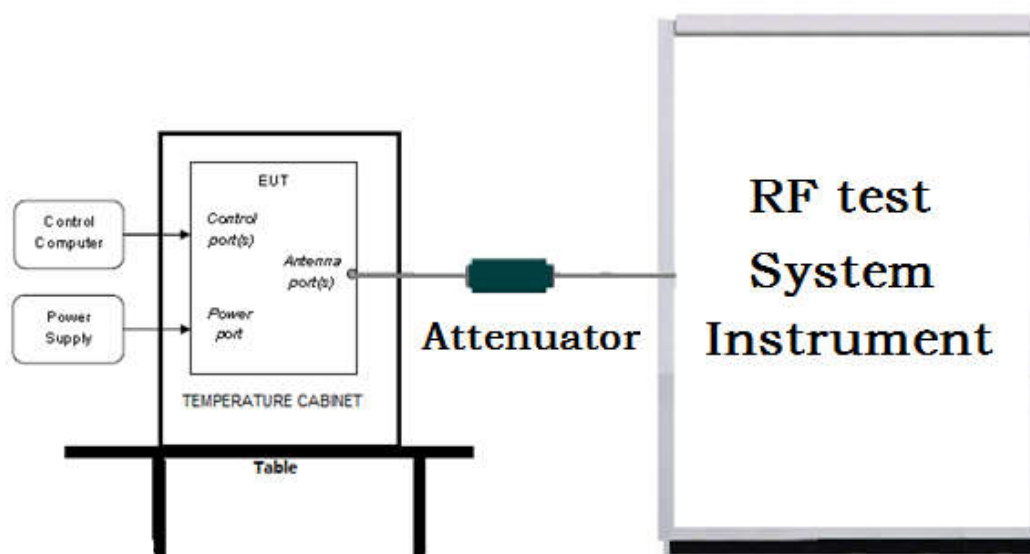
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5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

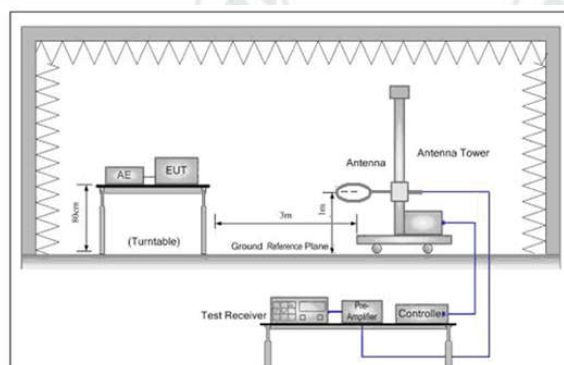


Figure 1. Below 30MHz

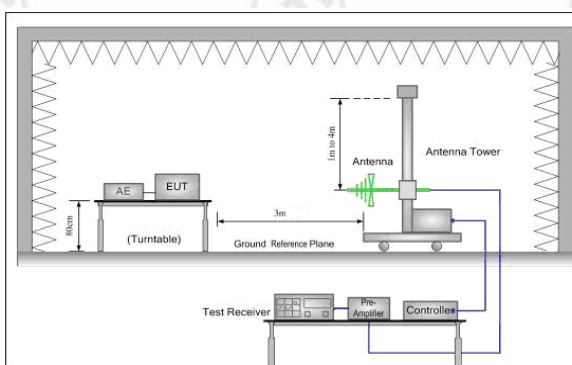


Figure 2. 30MHz to 1GHz

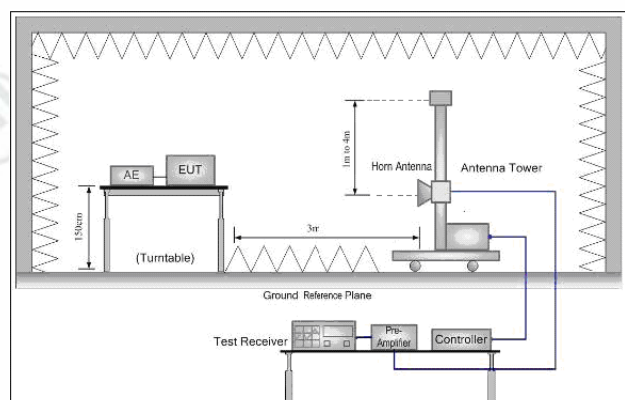
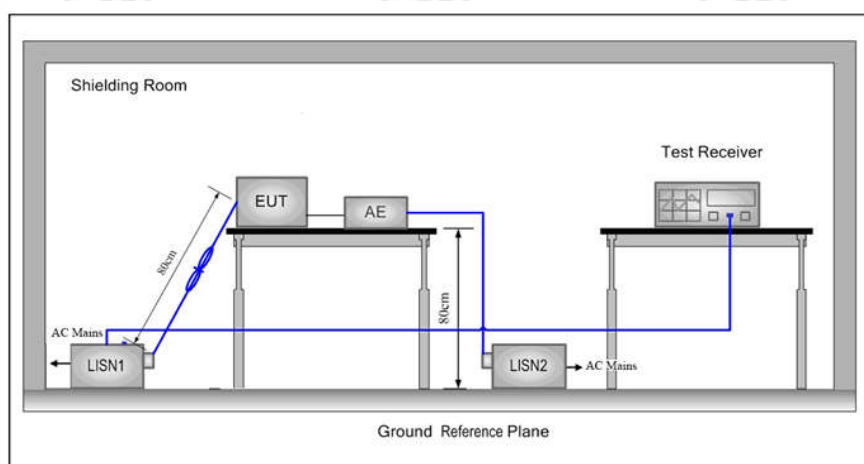


Figure 3. Above 1GHz

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(M)	High(H)
802.11b/g/n(HT20)	2412MHz ~2462 MHz	Channel 1	Channel 6	Channel11
		2412MHz	2437MHz	2462MHz
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.			

Test mode:

Pre-scan under all rate at lowest channel

Scan under air rate at lowest channel								
Mode	802.11b							
Data Rate	1Mbps	2Mbps	5.5Mbps	11Mbps				
Power(dBm)	3.16	3.14	3.12	3.10				
Mode	802.11g							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power(dBm)	4.07	4.05	4.03	4.01	3.99	3.97	3.95	3.93
Mode	802.11n (HT20)							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power(dBm)	4.43	4.41	4.39	4.37	4.35	4.33	4.31	4.29

Through Pre-scan, 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20).

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:	2.4GHz Wi-Fi:802.11b/g/n(HT20): 2412MHz ~2462 MHz;	
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 802.11b/g/n(HT20): 2412MHz to 2462MHz	
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels	
Channel Separation:	5MHz	
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20) : OFDM (64QAM, 16QAM,QPSK,BPSK)	
Test Power Grade:	Default	
Test Software of EUT:	Atheros Radio Test 2 (ART2-GUD)	
Antenna Type and Gain:	Type: PCB antenna Gain: 4.06 dBi	
Test Voltage:	DC 5V	

Operation Frequency each of channel(802.11b/g/n HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

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	4.3dB (30MHz-1GHz)
		4.5dB (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/070/107 11112	---	---	---
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

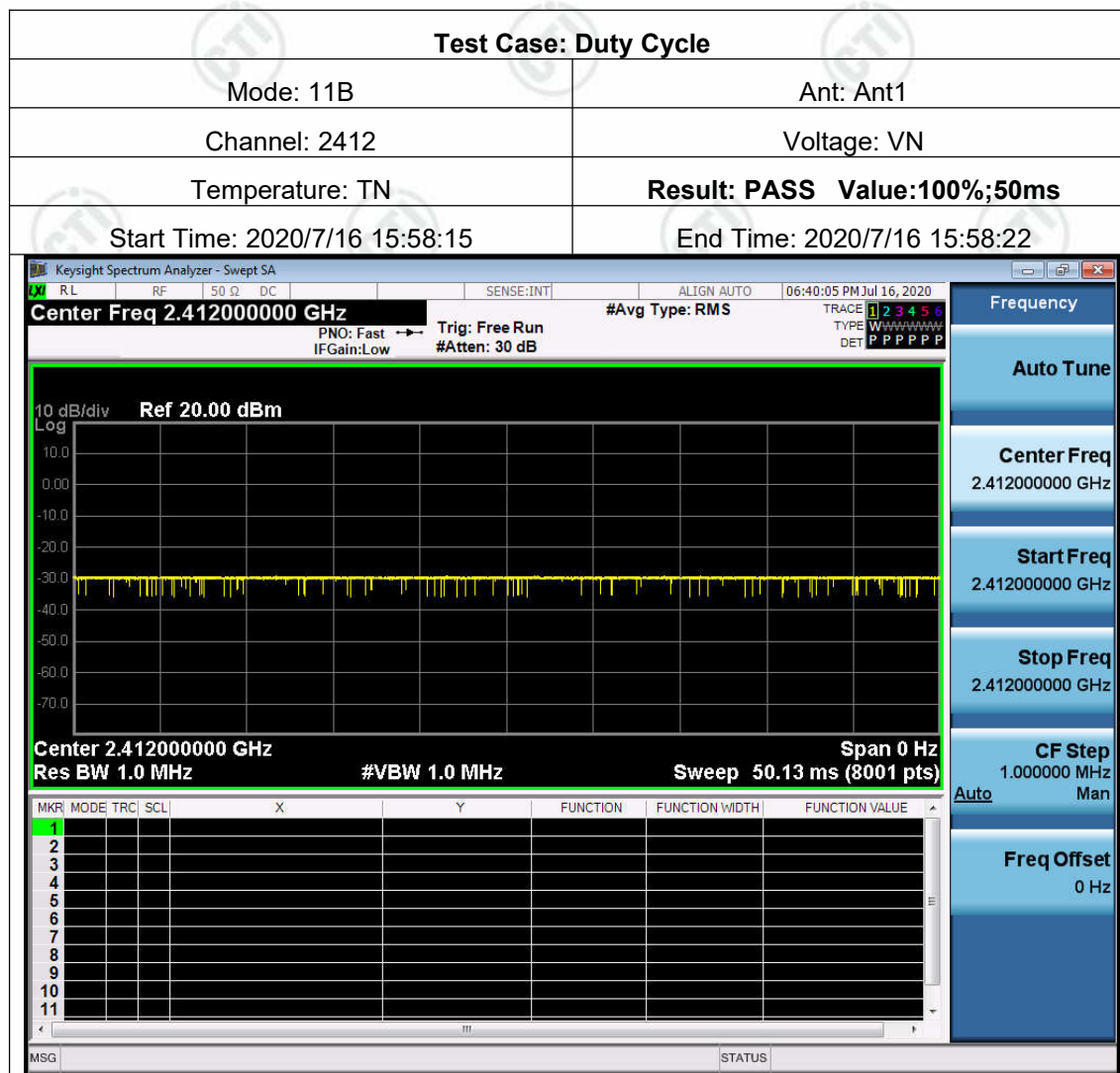
Reference documents for testing:

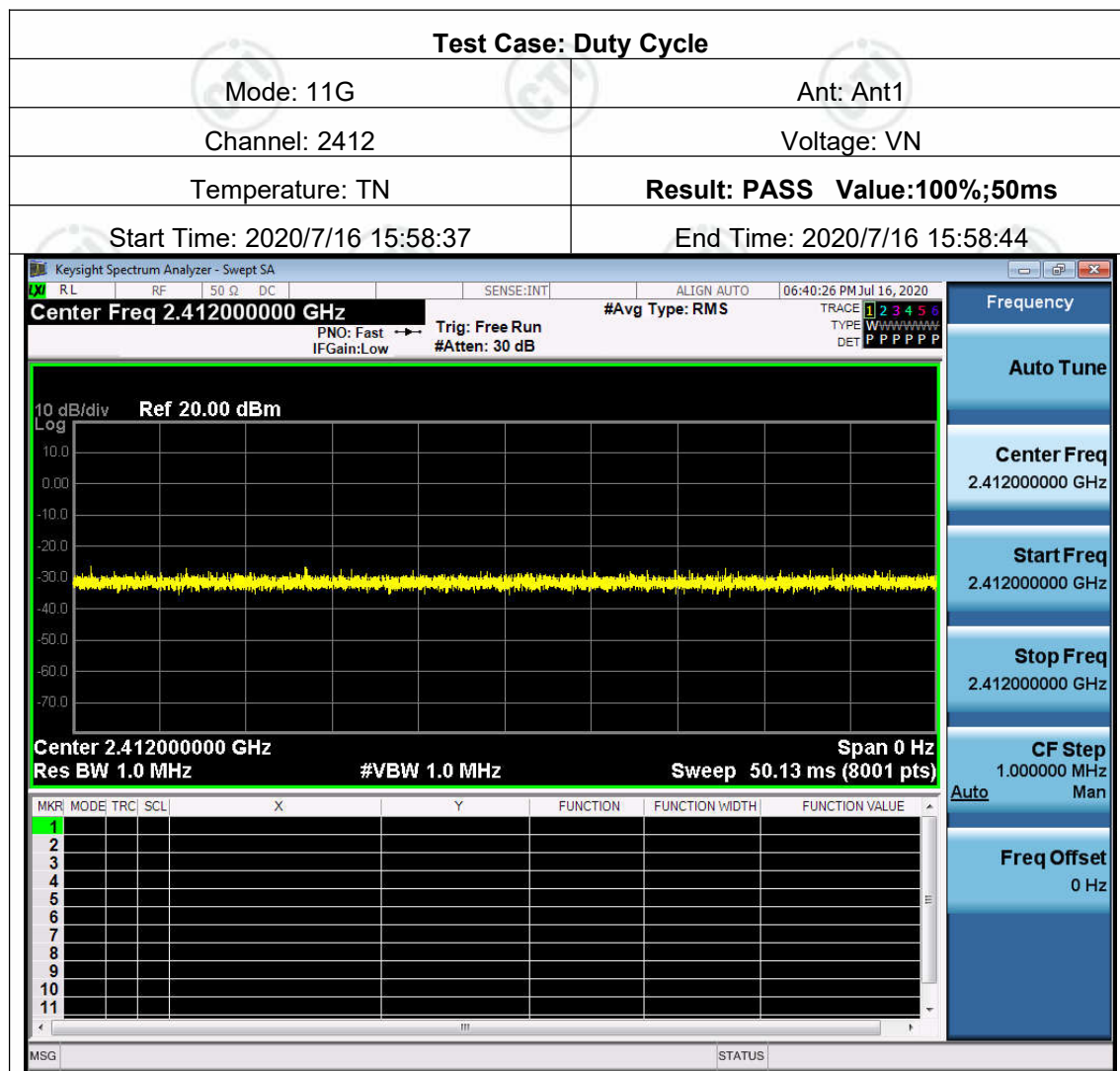
No.	Identity	Document Title
1	FCC Part15C	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

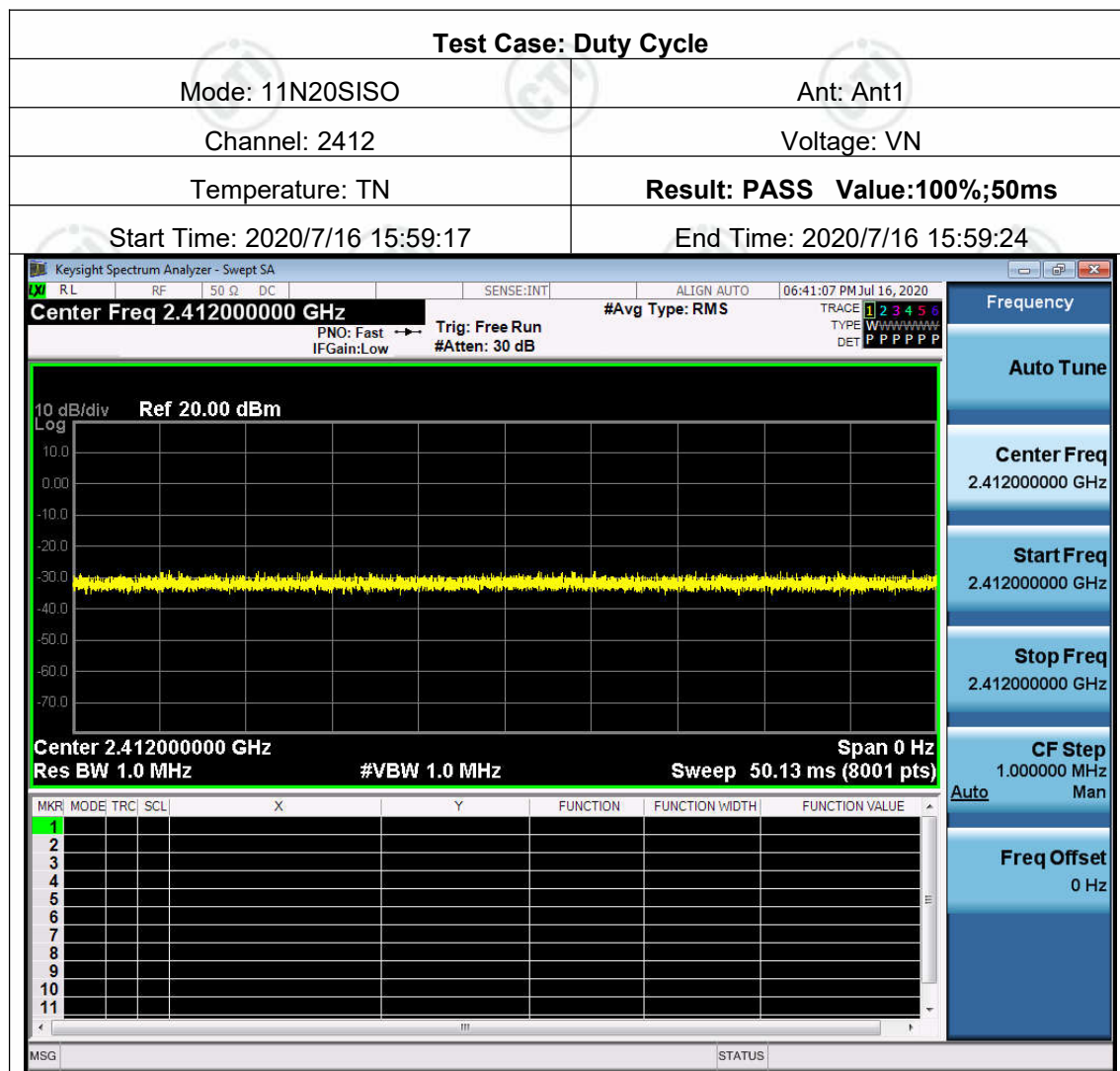
Test Results List:

Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(3)	ANSI C63.10	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.247 (a)(2)	ANSI C63.10	6dB Occupied Bandwidth	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10	Band-edge for RF Conducted Emissions	PASS	Appendix C)
Part15C Section 15.247(d)	ANSI C63.10	RF Conducted Spurious Emissions	PASS	Appendix D)
Part15C Section 15.247 (e)	ANSI C63.10	Power Spectral Density	PASS	Appendix E)
Part15C Section 15.203/15.247 (c)	ANSI C63.10	Antenna Requirement	PASS	Appendix F)
Part15C Section 15.207	ANSI C63.10	AC Power Line Conducted Emission	PASS	Appendix G)
Part15C Section 15.205/15.209	ANSI C63.10	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix H)
Part15C Section 15.205/15.209	ANSI C63.10	Radiated Spurious Emissions	PASS	Appendix I)

DUTY CYCLE







Appendix A): Conducted Peak Output Power

Test Limit

According to §15.247(b)(3),

Peak output power :

For systems using digital modulation in the 2400-2483.5 MHz: 1 Watt(30 dBm), base on the use of antennas with directional gain not exceed 6 dBi. If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

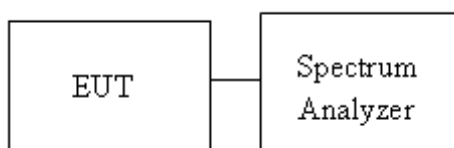
Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)] <input type="checkbox"/> Point-to-point operation :
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Average output power : For reporting purposes only.

Test Procedure

1. The EUT RF output connected to spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT.
3. Spectrum analyzer settings are as follows :
 - a) Set the RBW = 1 MHz.
 - b) Set the VBW $\geq [3 \times \text{RBW}]$.
 - c) Set the span $\geq [1.5 \times \text{DTS bandwidth}]$.
 - d) Detector = peak.
 - e) Sweep time = auto couple.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges
4. Measure and record the result in the test report.

Test Setup

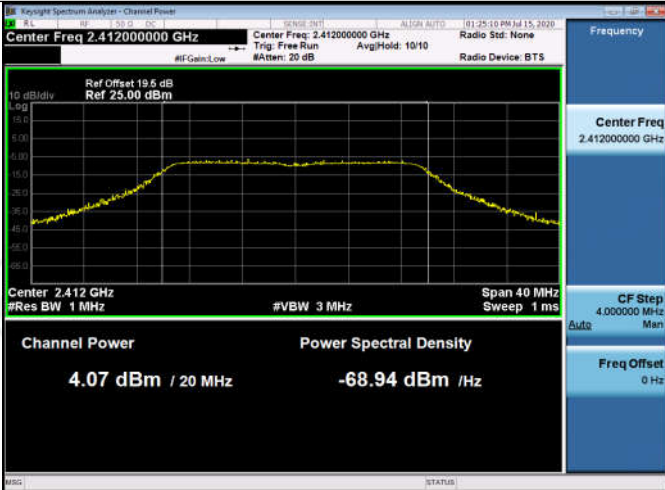

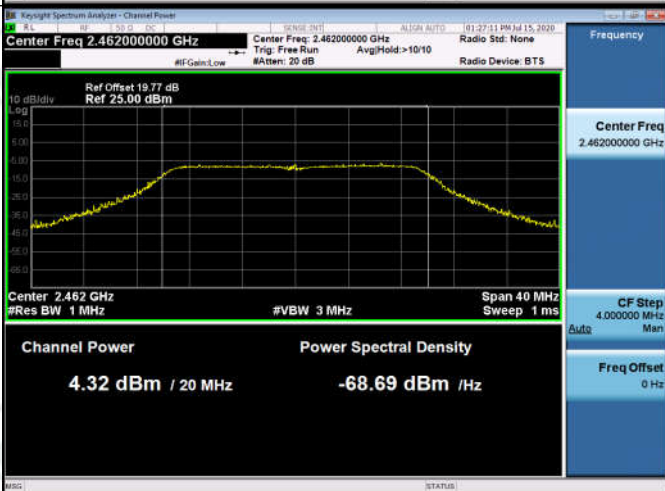


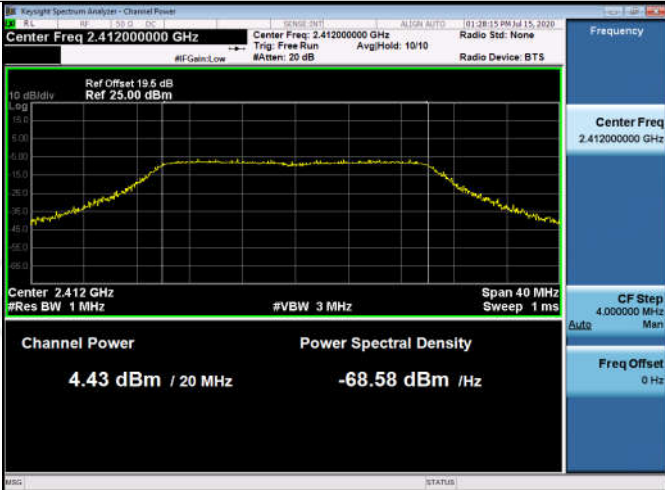
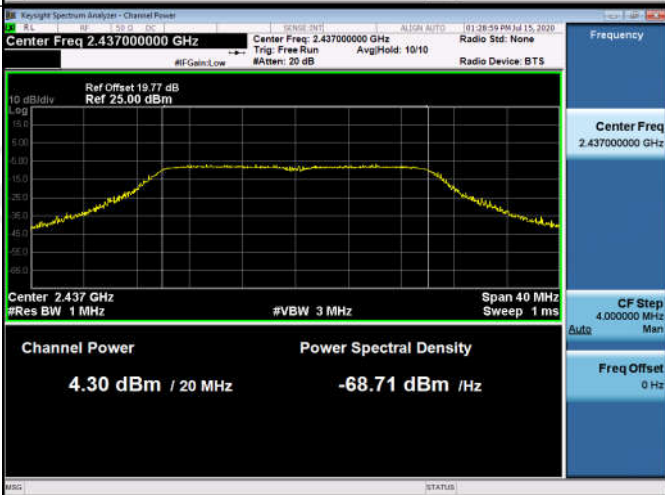
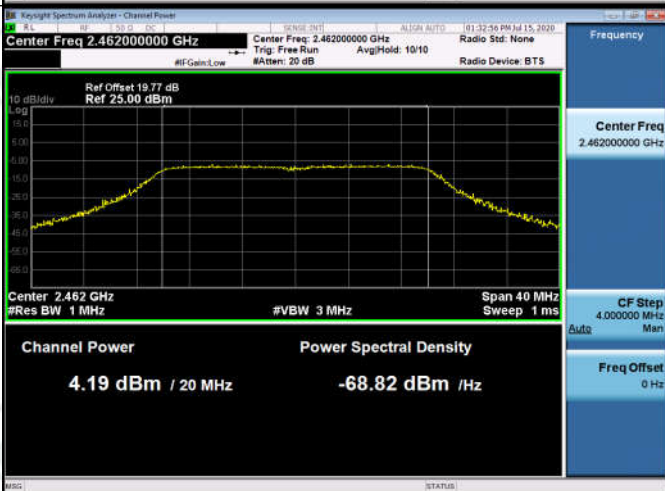
Result Table

Mode	Channel	Conducted Peak Output Power [dBm]	Verdict
11B	LCH	3.16	PASS
11B	MCH	3.12	PASS
11B	HCH	3.39	PASS
11G	LCH	4.07	PASS
11G	MCH	4.51	PASS
11G	HCH	4.32	PASS
11N20SISO	LCH	4.43	PASS
11N20SISO	MCH	4.3	PASS
11N20SISO	HCH	4.19	PASS

Test Graph



11G/LCH	
11G/MCH	
11G/HCH	

11N20SISO/LCH	
11N20SISO/MCH	
11N20SISO/HCH	

Appendix B): 6dB Occupied Bandwidth

Test Limit

According to §15.247(a)(2),

6 dB Bandwidth :

Limit	Shall be at least 500kHz
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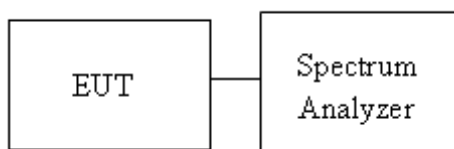
Occupied Bandwidth(99%) : For reporting purposes only.

Test Procedure

Test method Refer as KDB 558074 D01 and ANSI C63.10: 2013 clause 6.9.2,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW =100KHz , VBW = 300KHz and Detector = Peak, to measurement 6dB Bandwidth
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

Test Setup



Result Table

6dB Bandwidth

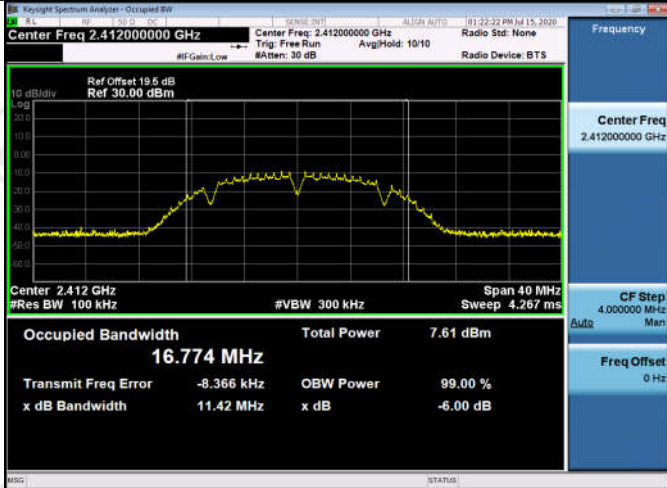
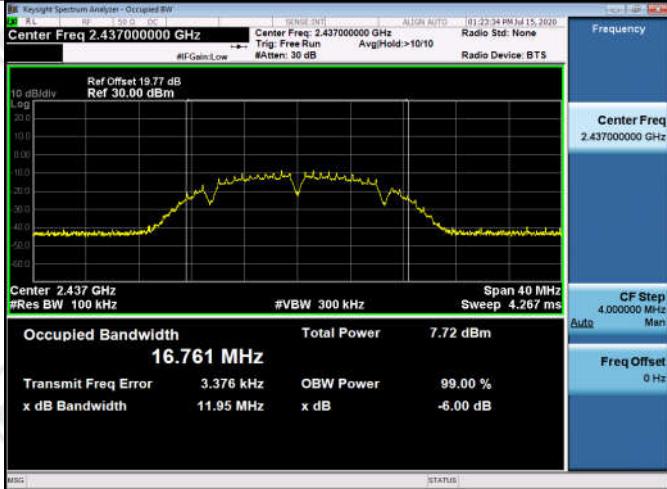
Mode	Channel	6dB Bandwidth [MHz]	Verdict
11B	LCH	11.42	PASS
11B	MCH	11.95	PASS
11B	HCH	11.97	PASS
11G	LCH	19.69	PASS
11G	MCH	19.70	PASS
11G	HCH	19.67	PASS
11N20SISO	LCH	21.18	PASS
11N20SISO	MCH	21.13	PASS
11N20SISO	HCH	21.13	PASS

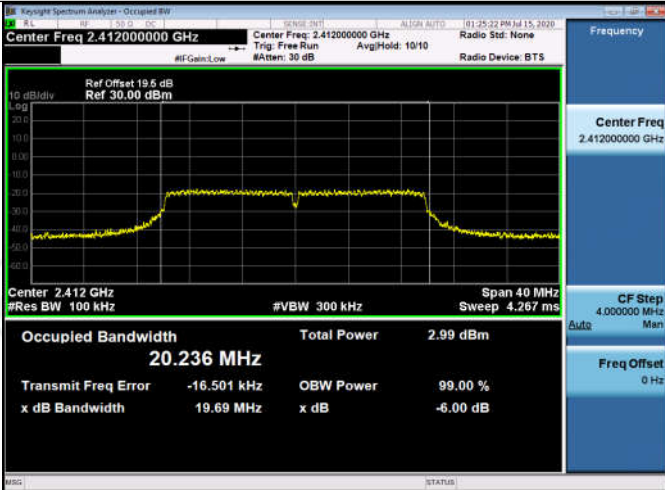
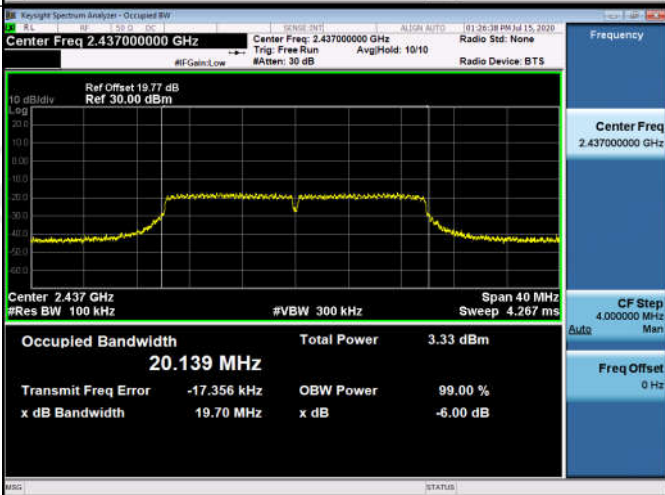
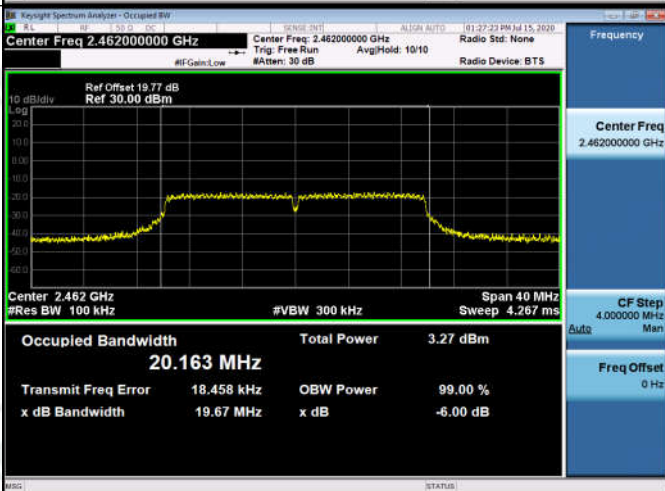
99% OBW

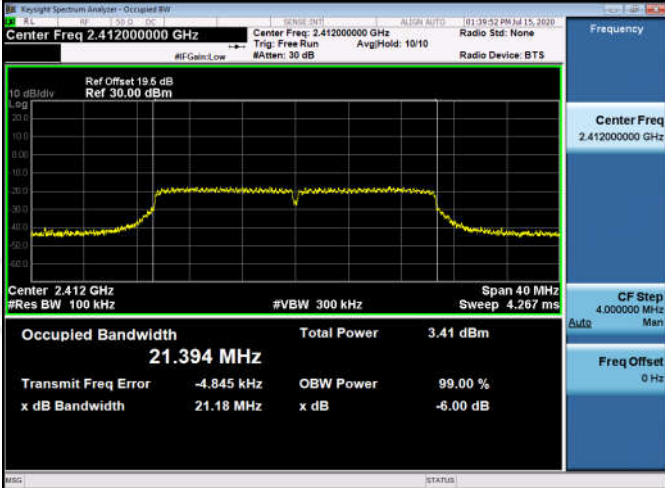
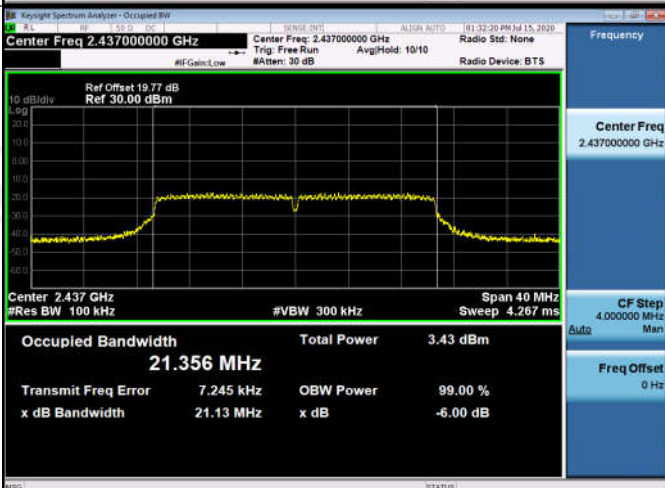
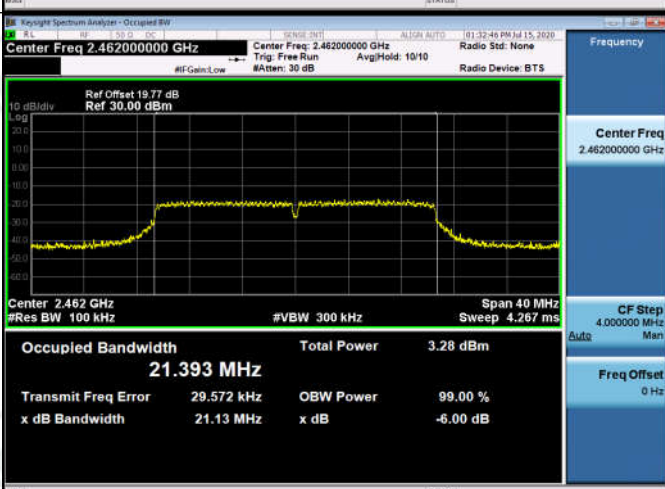
Mode	Channel	99% OBW [MHz]	Verdict
11B	LCH	16.742	PASS
11B	MCH	16.653	PASS
11B	HCH	16.821	PASS
11G	LCH	20.327	PASS
11G	MCH	20.335	PASS
11G	HCH	20.367	PASS
11N20SISO	LCH	18.508	PASS
11N20SISO	MCH	18.305	PASS
11N20SISO	HCH	18.393	PASS

Test Graph

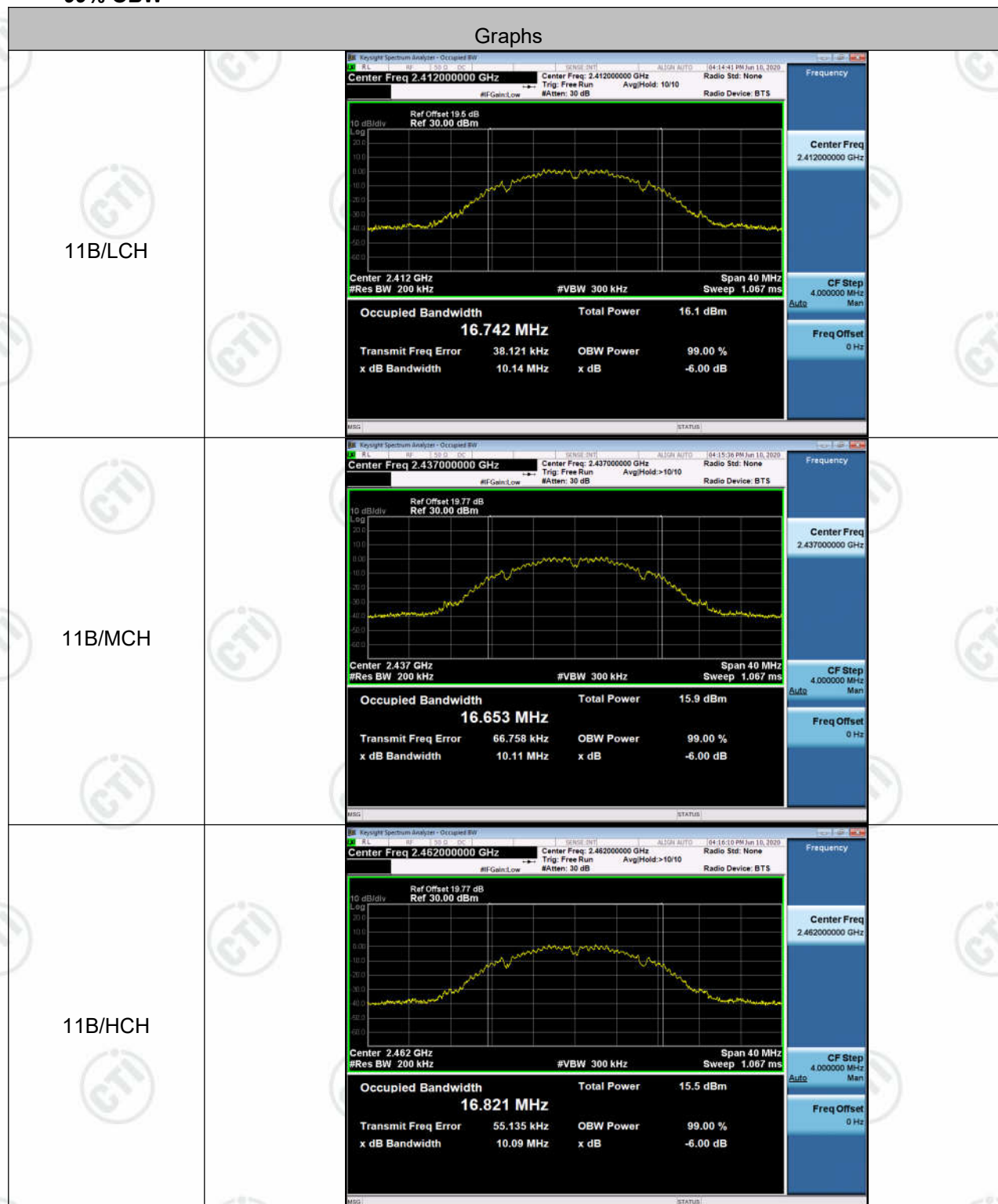
6dB Bandwidth

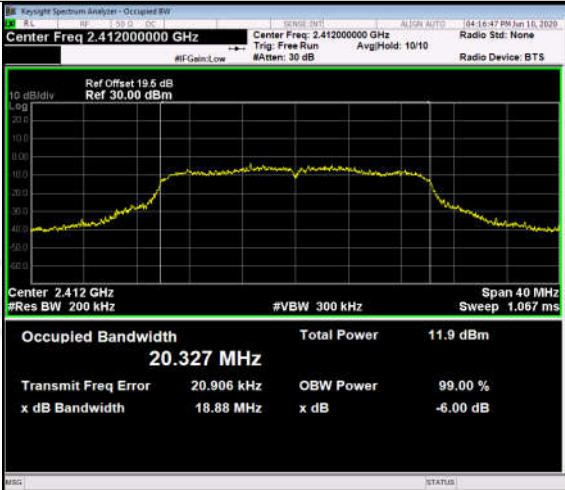
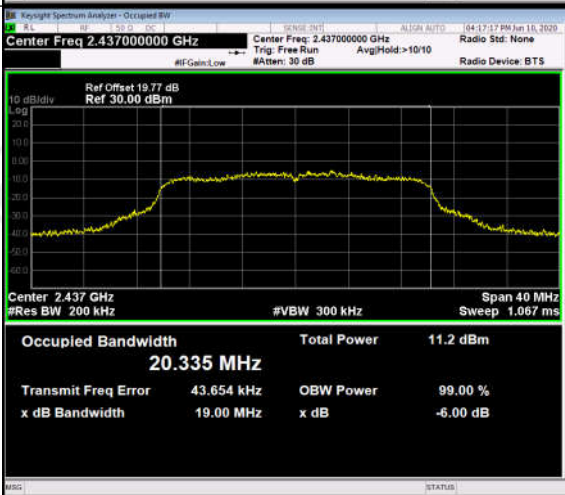
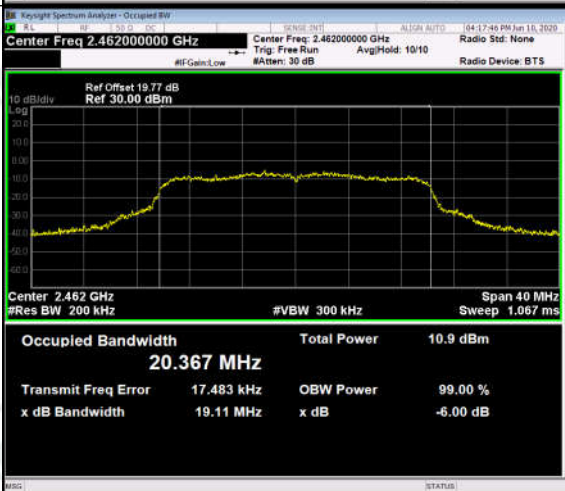
Graphs	
11B/LCH	 <p>Keynote Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 19.5 dB Ref 30.00 dBm</p> <p>Center Freq 2.412000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>10 dB/div #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 16.774 MHz Total Power 7.61 dBm</p> <p>Transmit Freq Error -8.366 kHz OBW Power 99.00 % x dB Bandwidth 11.42 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.412000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz</p>
11B/MCH	 <p>Keynote Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center Freq 2.437000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: >10/10 Radio Std: None Radio Device: BTS</p> <p>10 dB/div #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 16.761 MHz Total Power 7.72 dBm</p> <p>Transmit Freq Error 3.376 kHz OBW Power 99.00 % x dB Bandwidth 11.95 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.437000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz</p>
11B/HCH	 <p>Keynote Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center Freq 2.462000000 GHz Trig: Free Run #Attenu: 30 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>10 dB/div #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 16.731 MHz Total Power 8.04 dBm</p> <p>Transmit Freq Error 25.741 kHz OBW Power 99.00 % x dB Bandwidth 11.97 MHz x dB -6.00 dB</p> <p>Frequency Center Freq 2.462000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz</p>



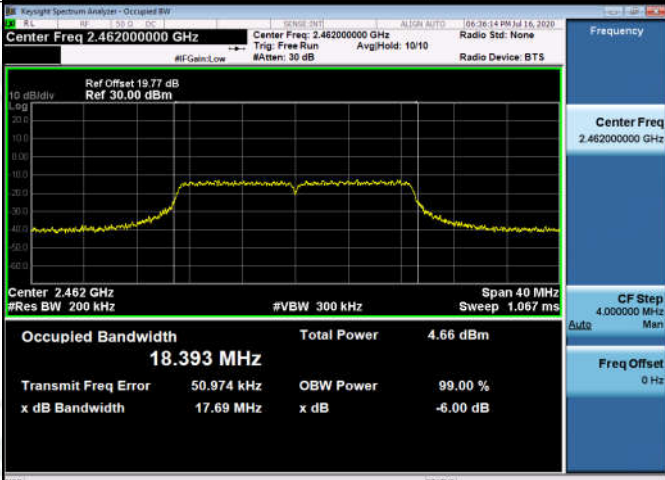
11G/LCH	 <p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None</p> <p>Ref Offset 19.8 dB Ref 30.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 20.236 MHz Total Power 2.99 dBm</p> <p>Transmit Freq Error -16.501 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 19.69 MHz x dB -6.00 dB</p>
11G/MCH	 <p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 20.139 MHz Total Power 3.33 dBm</p> <p>Transmit Freq Error -17.356 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 19.70 MHz x dB -6.00 dB</p>
11G/HCH	 <p>Keyight Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 20.163 MHz Total Power 3.27 dBm</p> <p>Transmit Freq Error 18.458 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 19.67 MHz x dB -6.00 dB</p>

11N20SISO/LCH	 <p>Center Freq 2.412000000 GHz</p> <p>Center Freq 2.412000000 GHz</p> <p>Ref Offset 19.8 dB Ref 30.00 dBm</p> <p>Center 2.412 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 21.394 MHz</p> <p>Total Power 3.41 dBm</p> <p>Transmit Freq Error -4.845 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 21.18 MHz</p> <p>x dB -6.00 dB</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
11N20SISO/MCH	 <p>Center Freq 2.437000000 GHz</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 21.356 MHz</p> <p>Total Power 3.43 dBm</p> <p>Transmit Freq Error 7.245 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 21.13 MHz</p> <p>x dB -6.00 dB</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
11N20SISO/HCH	 <p>Center Freq 2.462000000 GHz</p> <p>Center Freq 2.462000000 GHz</p> <p>Ref Offset 19.77 dB Ref 30.00 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <p>Occupied Bandwidth 21.393 MHz</p> <p>Total Power 3.28 dBm</p> <p>Transmit Freq Error 29.572 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 21.13 MHz</p> <p>x dB -6.00 dB</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>

99% OBW



11G/LCH	 <p>Center Freq 2.412000000 GHz</p> <p>Center Freq: 2.412000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: 10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.8 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.412 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 20.327 MHz</p> <p>Total Power 11.9 dBm</p> <p>Transmit Freq Error 20.906 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 18.88 MHz</p> <p>x dB -6.00 dB</p>
11G/MCH	 <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: >10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.77 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.437 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 20.335 MHz</p> <p>Total Power 11.2 dBm</p> <p>Transmit Freq Error 43.654 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.00 MHz</p> <p>x dB -6.00 dB</p>
11G/HCH	 <p>Center Freq 2.462000000 GHz</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: 10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.77 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.462 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 20.367 MHz</p> <p>Total Power 10.9 dBm</p> <p>Transmit Freq Error 17.483 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 19.11 MHz</p> <p>x dB -6.00 dB</p>

11N20SISO/LCH	 <p>Center Freq 2.412000000 GHz</p> <p>Center Freq: 2.412000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: 10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.8 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.412 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 18.508 MHz</p> <p>Total Power 3.31 dBm</p> <p>Transmit Freq Error 2.728 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.74 MHz</p> <p>x dB -6.00 dB</p>
11N20SISO/MCH	 <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: 10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.77 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.437 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 18.305 MHz</p> <p>Total Power 5.05 dBm</p> <p>Transmit Freq Error 21.234 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.71 MHz</p> <p>x dB -6.00 dB</p>
11N20SISO/HCH	 <p>Center Freq 2.462000000 GHz</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run</p> <p>AvgHold: 10/10</p> <p>Radio Std: None</p> <p>Radio Device: BTS</p> <p>Ref Offset 19.77 dB</p> <p>Ref 30.00 dBm</p> <p>Center 2.462 GHz</p> <p>#Res BW 200 kHz</p> <p>#VBW 300 kHz</p> <p>Span 40 MHz</p> <p>Sweep 1.067 ms</p> <p>Occupied Bandwidth 18.393 MHz</p> <p>Total Power 4.66 dBm</p> <p>Transmit Freq Error 50.974 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 17.69 MHz</p> <p>x dB -6.00 dB</p>

Appendix C): Band-edge for RF Conducted Emissions

Test Limit

According to §15.247(d),

In any 100 kHz bandwidth outside the authorized frequency band,

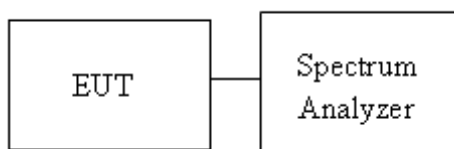
Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Test Procedure

Test method Refer as KDB 558074 D01.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

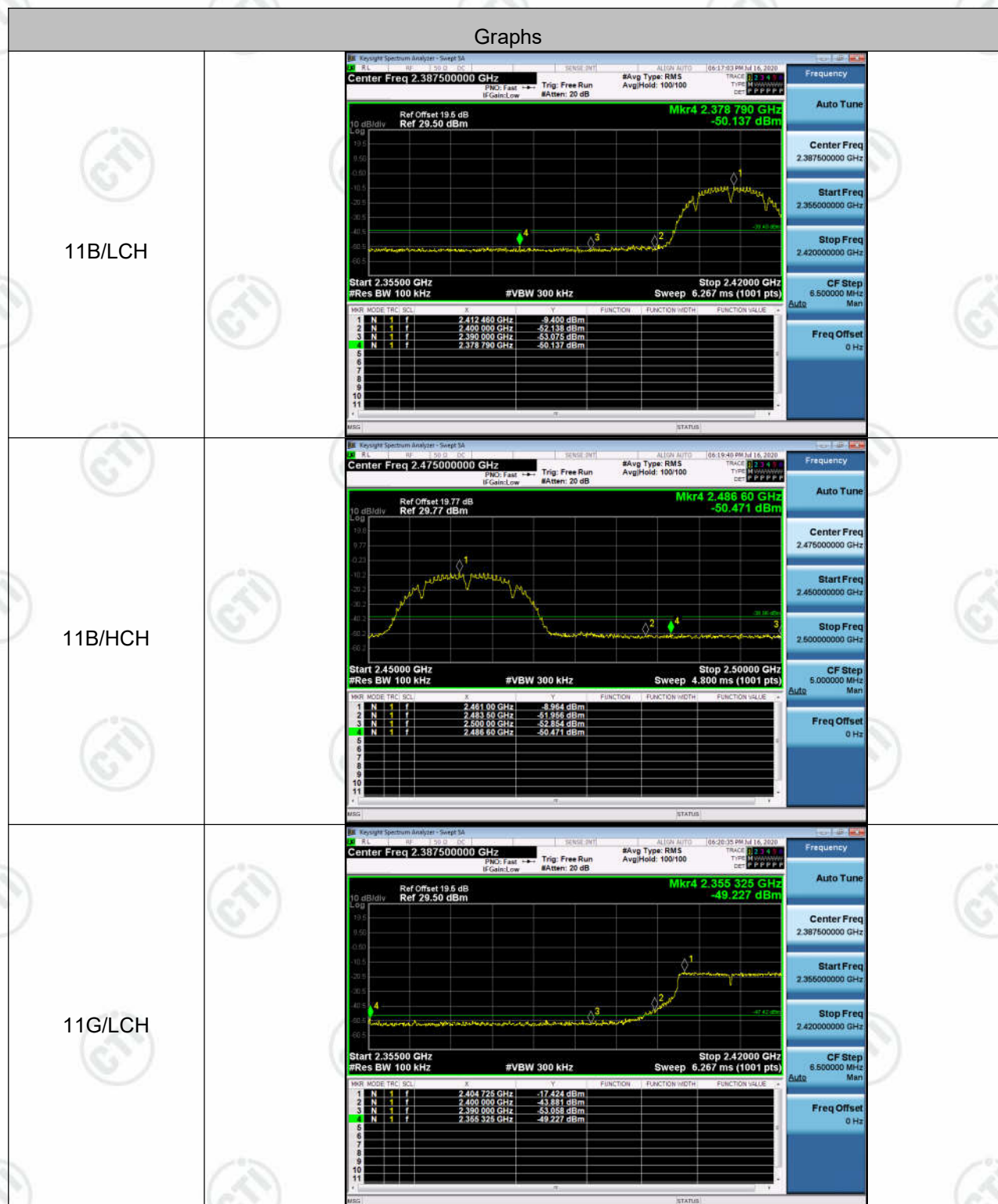
Test Setup



Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-9.400	-50.137	-39.4	PASS
11B	HCH	-8.964	-50.471	-38.96	PASS
11G	LCH	-17.424	-49.227	-47.42	PASS
11G	HCH	-17.185	-49.855	-47.19	PASS
11N20SISO	LCH	-17.182	-49.204	-47.18	PASS
11N20SISO	HCH	-17.600	-49.318	-47.6	PASS

Test Graph



11G/HCH	<div><div><div>KeySight Spectrum Analyzer - Sweep 3A</div><div>Center Freq 2.47500000 GHz</div><div>Ref Offset 19.77 dB Ref 29.77 dBm</div><div>Mkr4 2.492 00 GHz -49.855 dBm</div><div>Start 2.45000 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.50000 GHz Sweep 4.800 ms (1001 pts)</div><div><table><thead><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.467 38 GHz</td><td>-17.185 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 50 GHz</td><td>-51.893 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 00 GHz</td><td>-51.895 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.492 00 GHz</td><td>-49.855 dBm</td><td></td><td></td><td></td></tr></tbody></table></div></div></div>	MARK	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.467 38 GHz	-17.185 dBm				2	N	1	f	2.483 50 GHz	-51.893 dBm				3	N	1	f	2.500 00 GHz	-51.895 dBm				4	N	1	f	2.492 00 GHz	-49.855 dBm			
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4	N	1	f	2.492 00 GHz	-49.855 dBm																																									
11N20SISO/LCH	<div><div><div>KeySight Spectrum Analyzer - Sweep 3A</div><div>Center Freq 2.38750000 GHz</div><div>Ref Offset 19.5 dB Ref 29.50 dBm</div><div>Mkr4 2.377 100 GHz -49.204 dBm</div><div>Start 2.35500 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.42000 GHz Sweep 6.267 ms (1001 pts)</div><div><table><thead><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.468 740 GHz</td><td>-17.182 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-43.384 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-52.081 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.377 100 GHz</td><td>-49.204 dBm</td><td></td><td></td><td></td></tr></tbody></table></div></div></div>	MARK	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.468 740 GHz	-17.182 dBm				2	N	1	f	2.400 000 GHz	-43.384 dBm				3	N	1	f	2.390 000 GHz	-52.081 dBm				4	N	1	f	2.377 100 GHz	-49.204 dBm			
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11N20SISO/HCH	<div><div><div>KeySight Spectrum Analyzer - Sweep 3A</div><div>Center Freq 2.47500000 GHz</div><div>Ref Offset 19.77 dB Ref 29.77 dBm</div><div>Mkr4 2.493 10 GHz -49.318 dBm</div><div>Start 2.45000 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.50000 GHz Sweep 4.800 ms (1001 pts)</div><div><table><thead><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.468 10 GHz</td><td>-17.600 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 50 GHz</td><td>-52.394 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 00 GHz</td><td>-52.473 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.493 10 GHz</td><td>-49.318 dBm</td><td></td><td></td><td></td></tr></tbody></table></div></div></div>	MARK	MODE	TRC	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.468 10 GHz	-17.600 dBm				2	N	1	f	2.483 50 GHz	-52.394 dBm				3	N	1	f	2.500 00 GHz	-52.473 dBm				4	N	1	f	2.493 10 GHz	-49.318 dBm			
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4	N	1	f	2.493 10 GHz	-49.318 dBm																																									

Appendix D): RF Conducted Spurious Emissions

Test Limit

According to §15.247(d),

In any 100 kHz bandwidth outside the authorized frequency band,

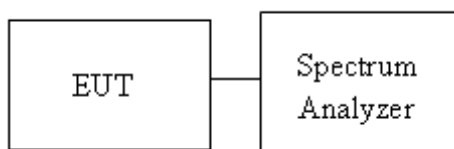
Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Test Procedure

Test method Refer as KDB 558074 D01.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

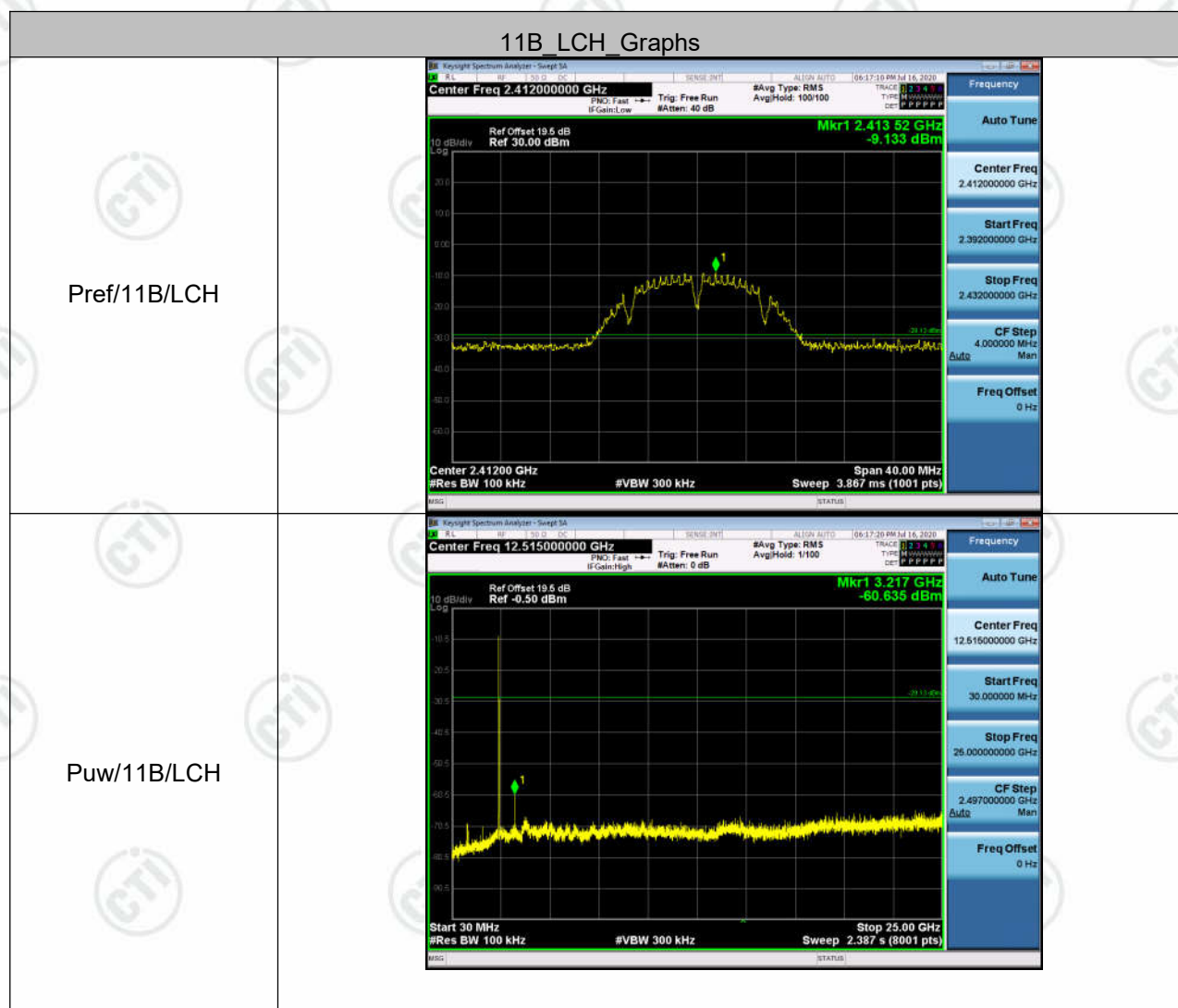
Test Setup

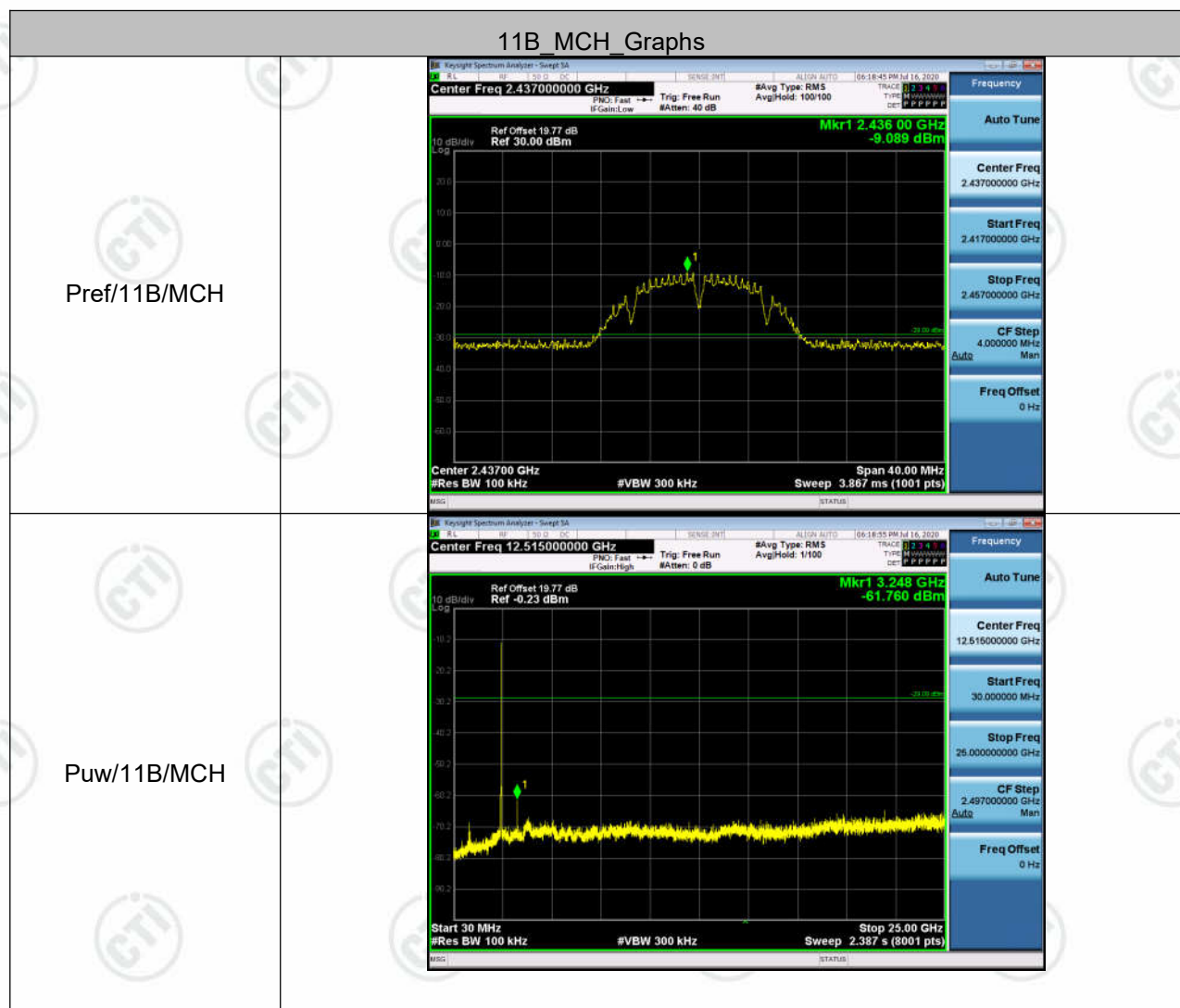


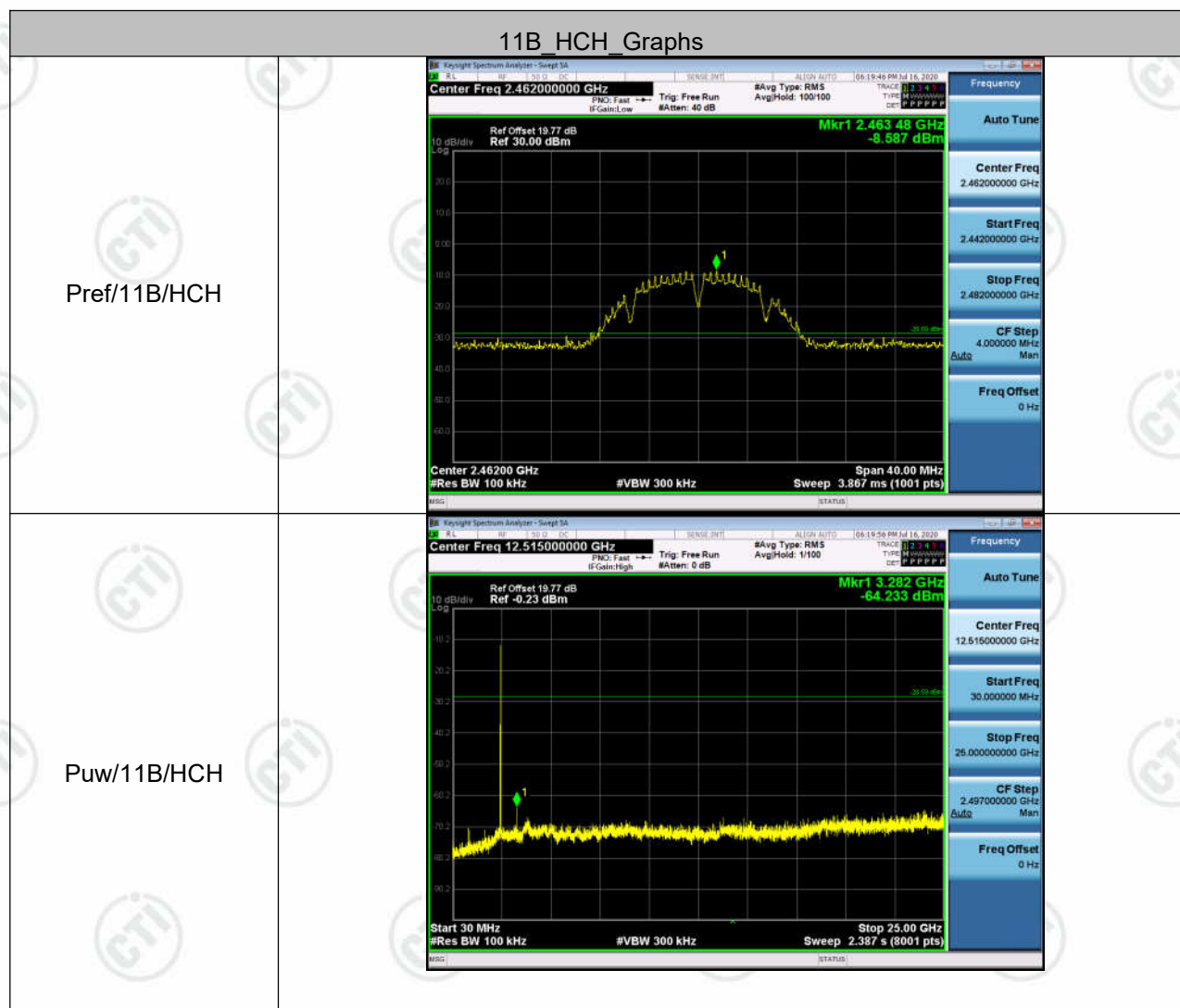
Result Table

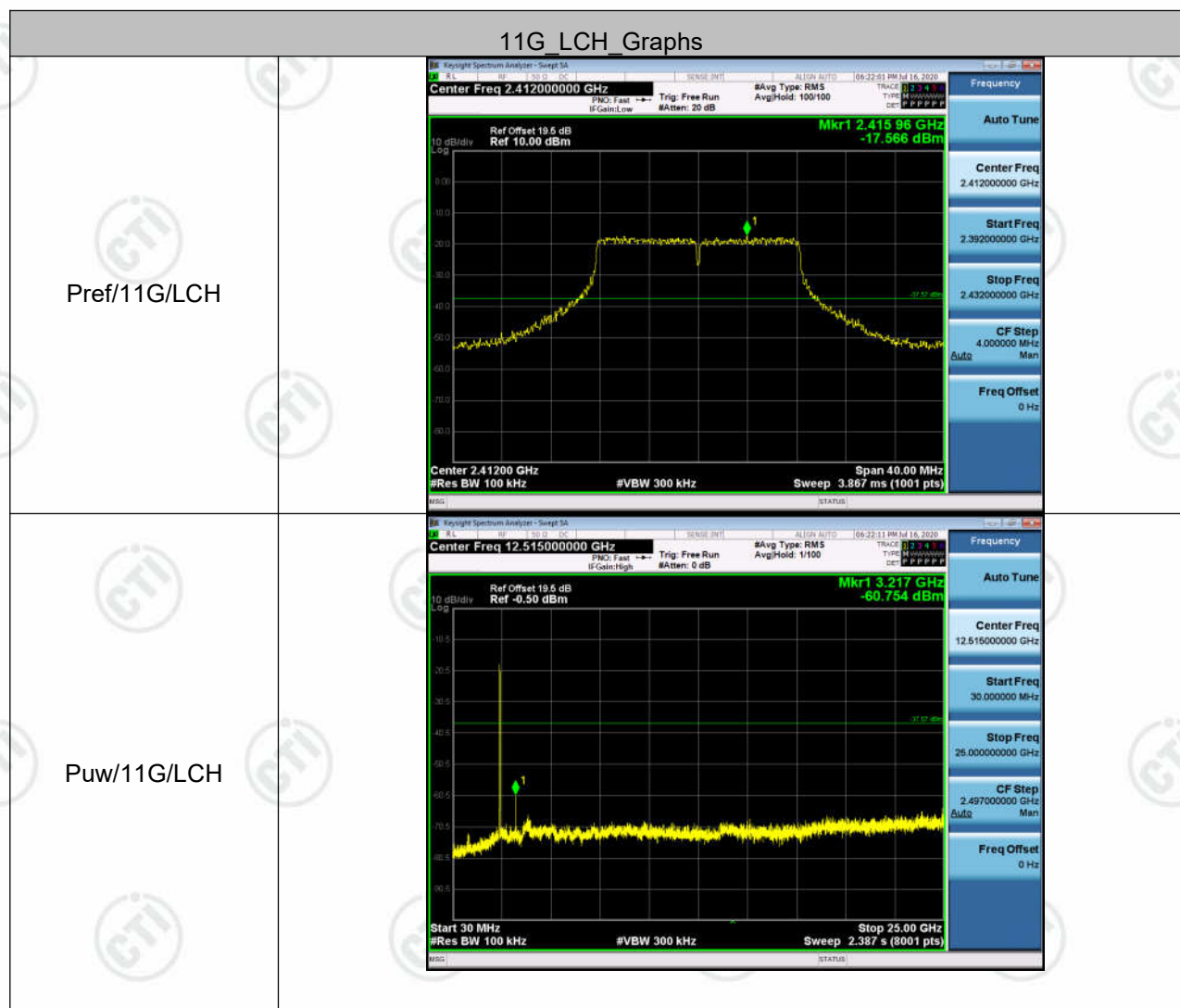
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	-9.133	<Limit	PASS
11B	MCH	-9.089	<Limit	PASS
11B	HCH	-8.587	<Limit	PASS
11G	LCH	-17.566	<Limit	PASS
11G	MCH	-16.726	<Limit	PASS
11G	HCH	-16.889	<Limit	PASS
11N20SISO	LCH	-17.366	<Limit	PASS
11N20SISO	MCH	-17.564	<Limit	PASS
11N20SISO	HCH	-17.612	<Limit	PASS

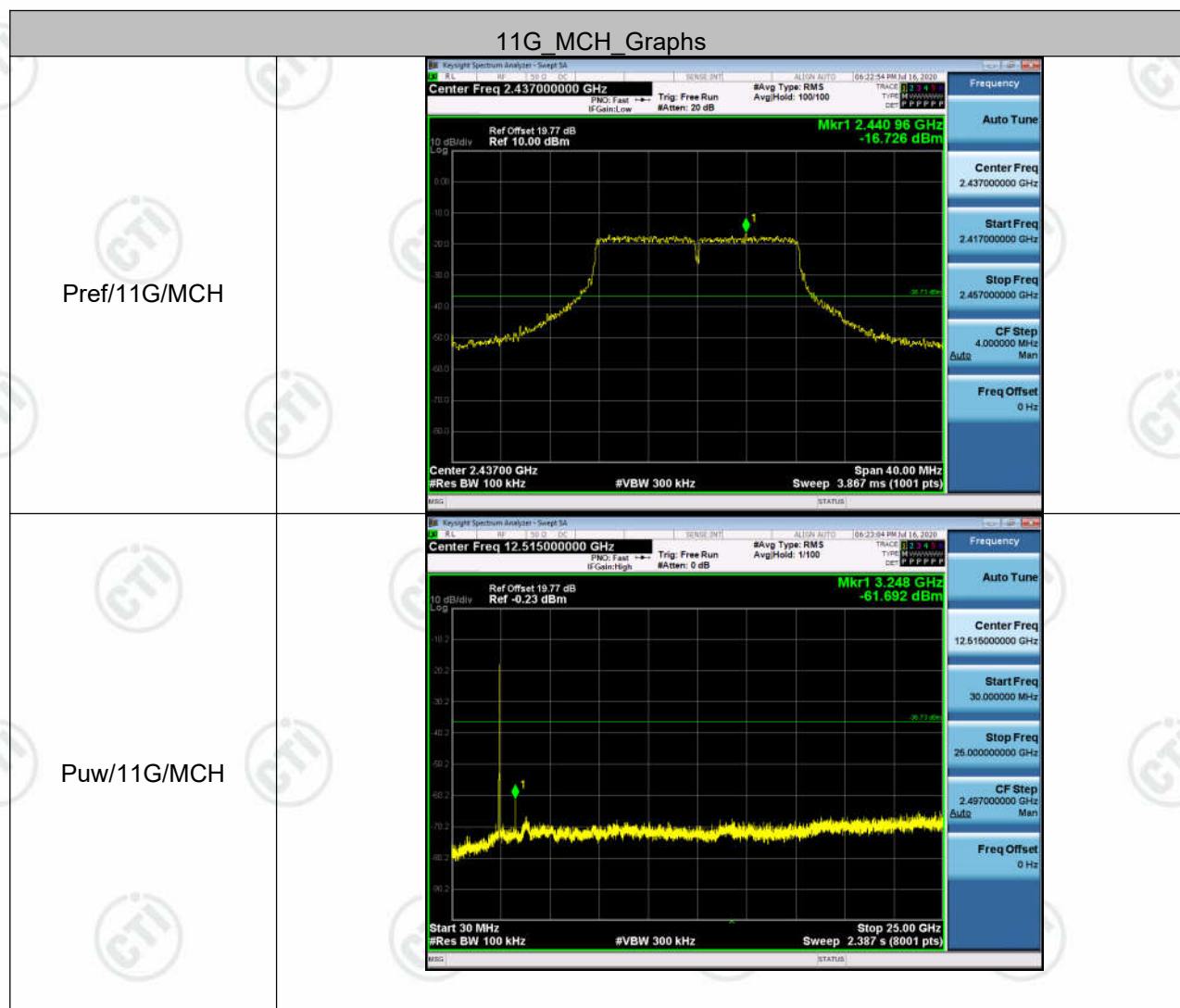
Test Graph

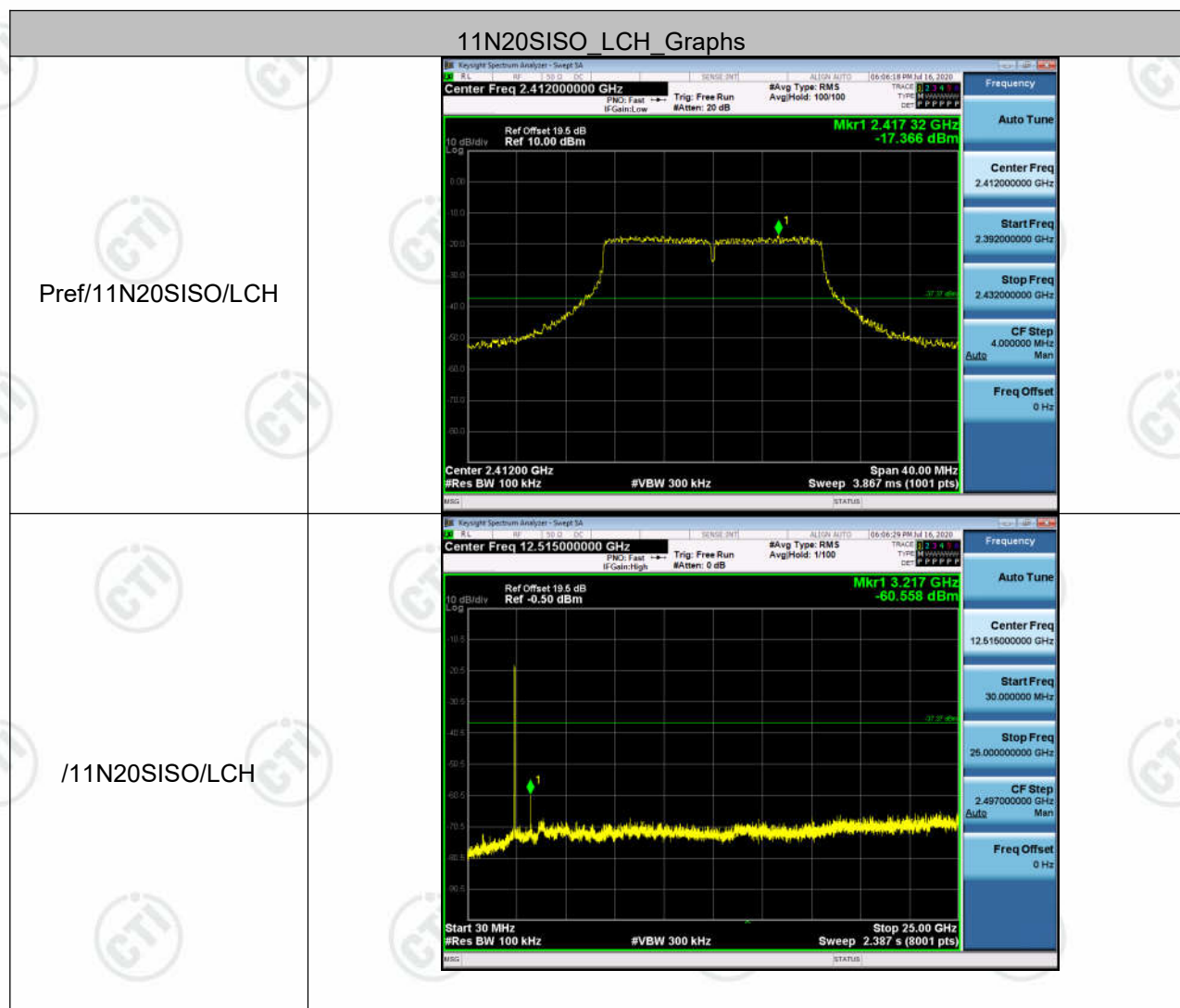


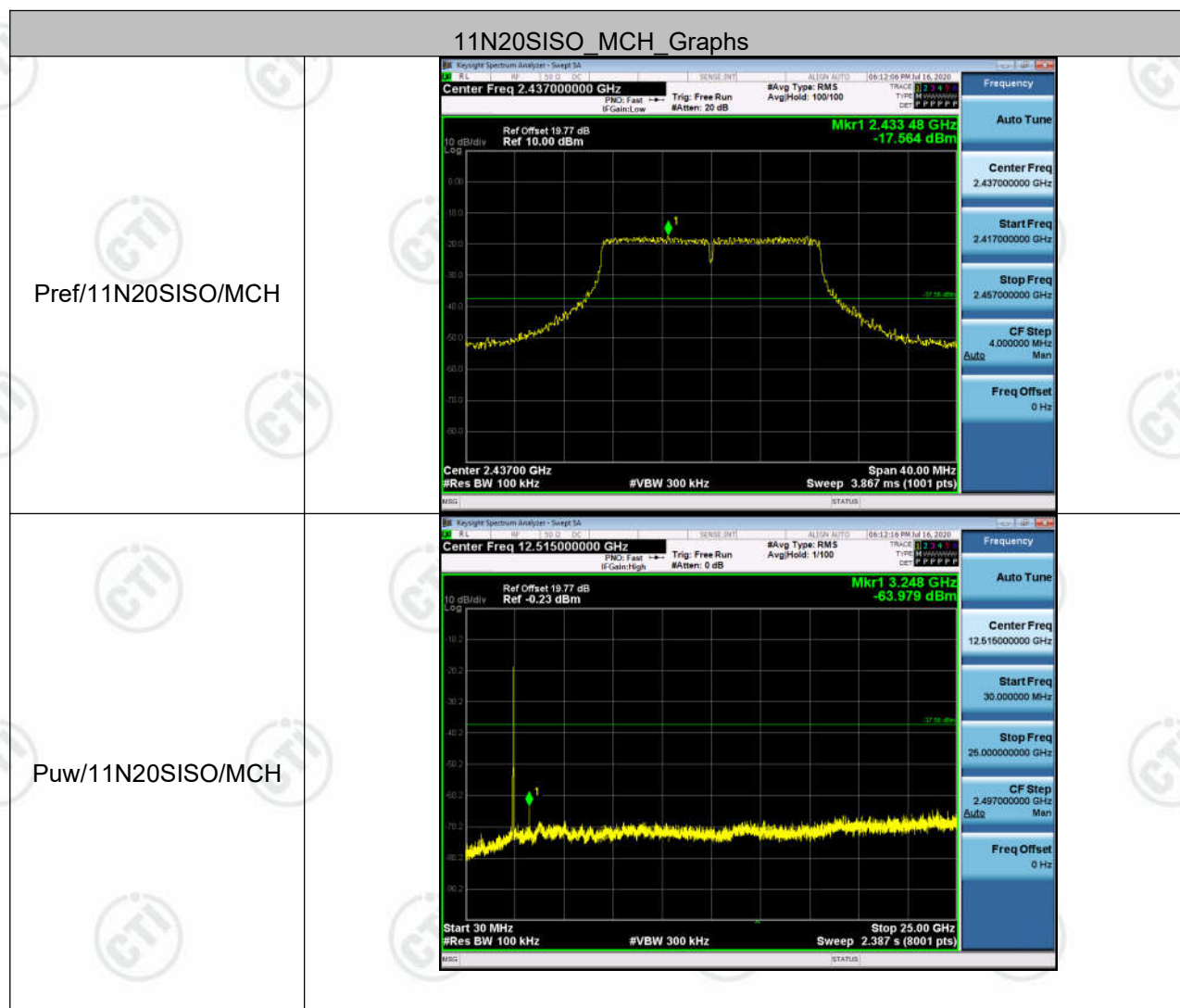


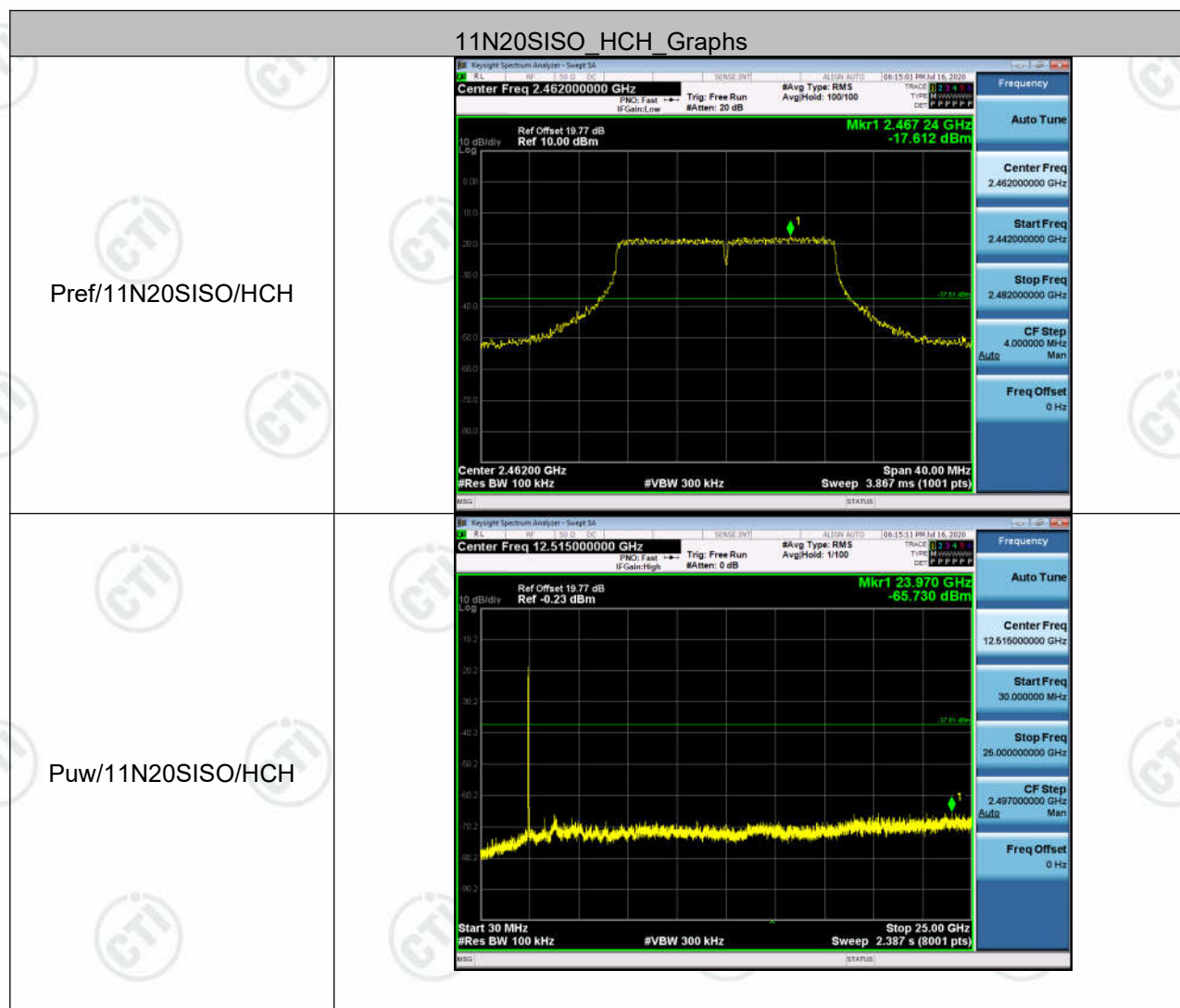












Appendix E): Power Spectral Density

Test Limit

According to §15.247(e),

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

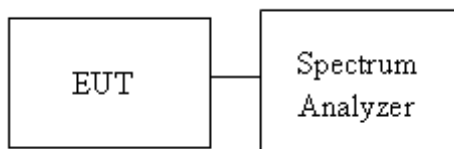
Limit	<input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 8dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 8 – (DG – 6)] <input type="checkbox"/> Point-to-point operation :
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Test Procedure

Test method Refer as KDB 558074 D01.

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss was compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

Test Setup

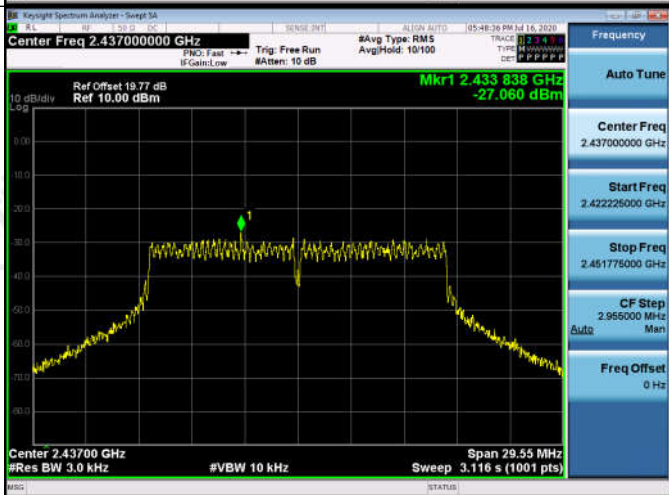


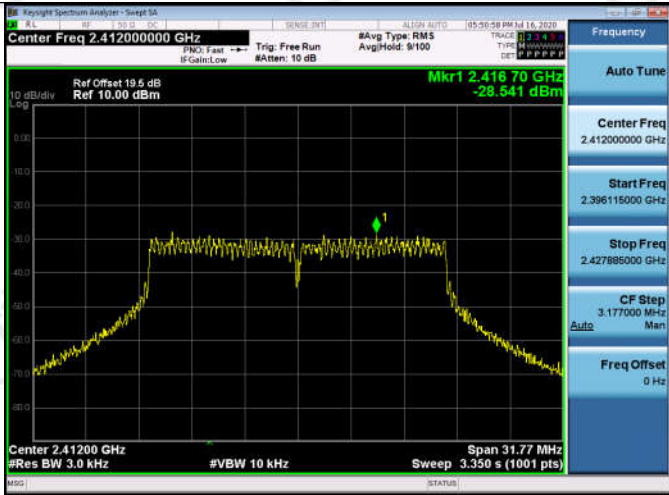
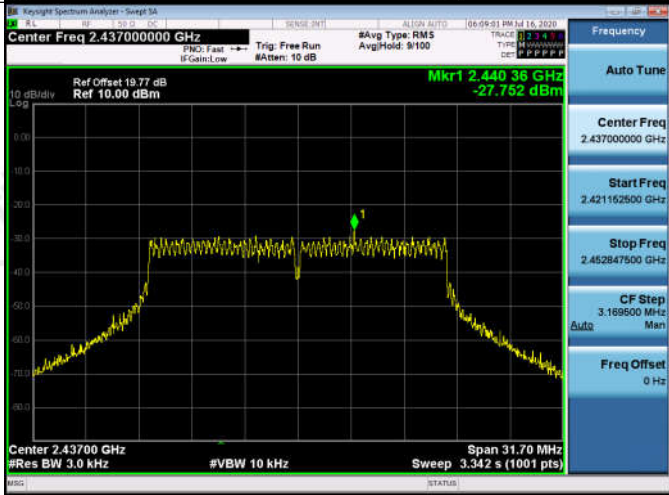
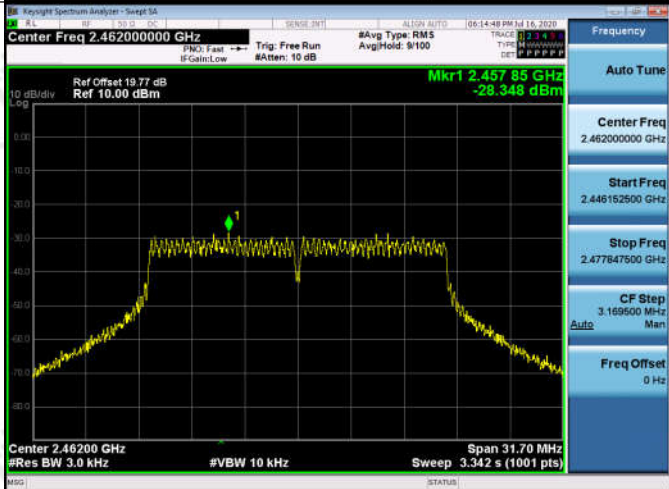
Result Table

Mode	Channel	Power Spectral Density [dBm]	Verdict
11B	LCH	-23.332	PASS
11B	MCH	-23.996	PASS
11B	HCH	-23.303	PASS
11G	LCH	-29.123	PASS
11G	MCH	-27.060	PASS
11G	HCH	-28.169	PASS
11N20SISO	LCH	-28.541	PASS
11N20SISO	MCH	-27.752	PASS
11N20SISO	HCH	-28.348	PASS

Test Graph



11G/LCH	
11G/MCH	
11G/HCH	

11N20SISO/LCH	
11N20SISO/MCH	
11N20SISO/HCH	

Appendix F): Antenna Requirement

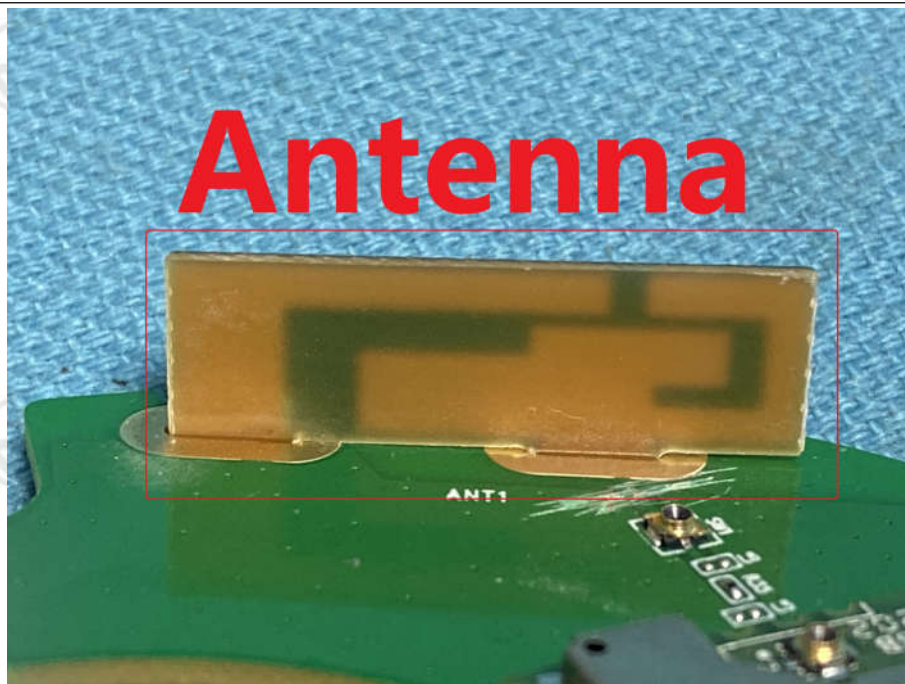
15.203 requirement:

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.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, 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 4.06 dBi

Appendix G): AC Power Line Conducted Emission

Test Procedure:	<p>Test frequency range :150KHz-30MHz</p> <p>1)The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>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.</p> <p>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,</p> <p>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.</p> <p>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.</p>														
Limit:	<table><tr><th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr><tr><th>Quasi-peak</th><th>Average</th></tr><tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr><tr><td>0.5-5</td><td>56</td><td>46</td></tr><tr><td>5-30</td><td>60</td><td>50</td></tr></table> <p>* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.</p> <p>NOTE : The lower limit is applicable at the transition frequency</p>	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
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													

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.

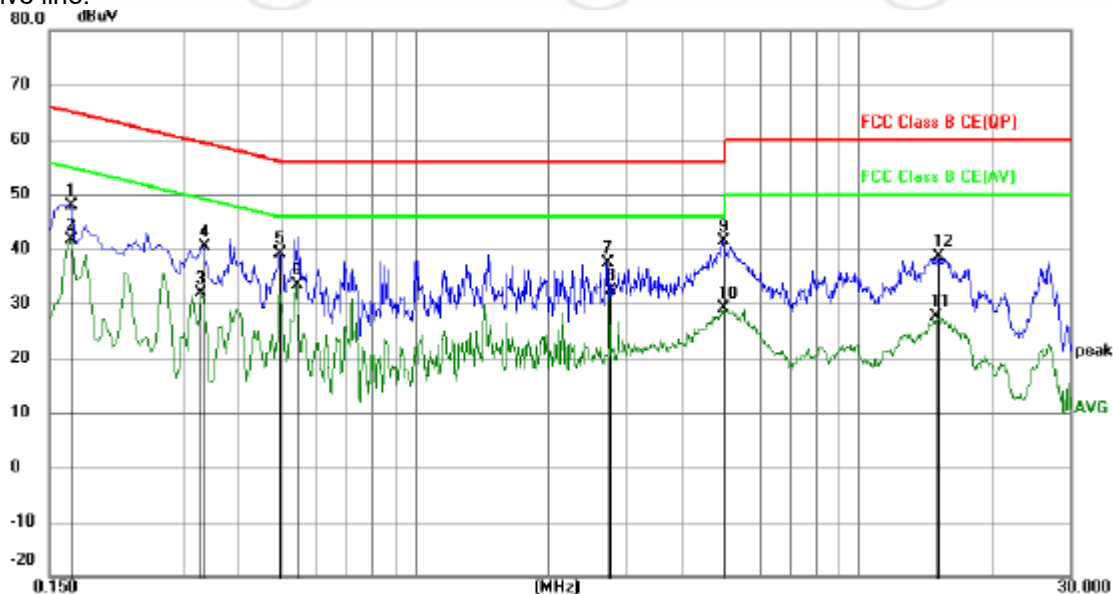
Product : Wireless Headset

Model/Type reference : RDA0031

Temperature : 24℃

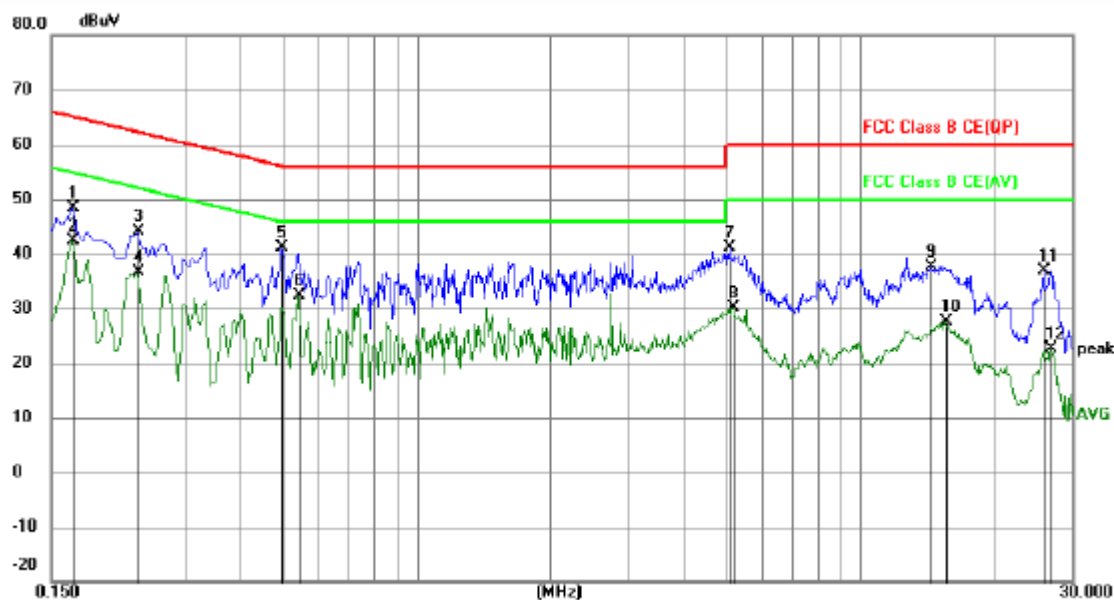
Humidity : 52%

Live line:



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin 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	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
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.

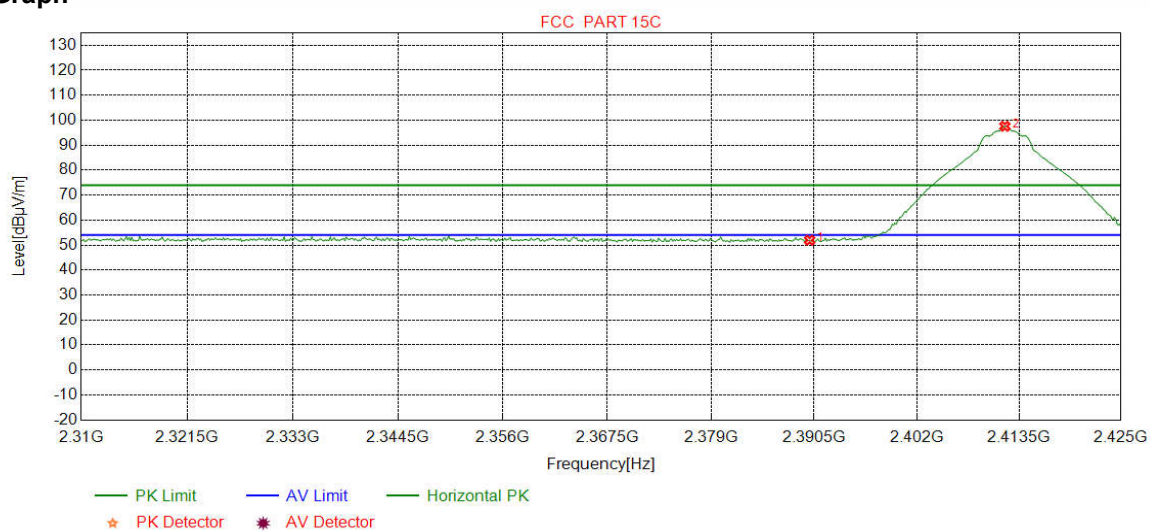
Appendix H): Restricted bands around fundamental frequency (Radiated)

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 chamber. 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 change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter). 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 @3m)		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 b(1Mbps) Transmitting	Channel:	2412
Remark:	PK		

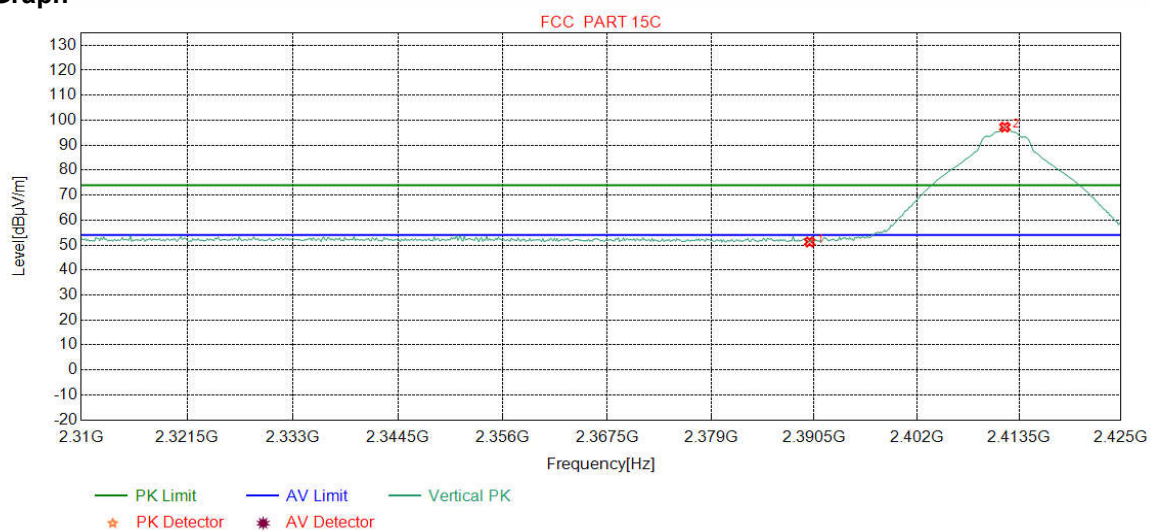
Test Graph



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	2390.0000	32.25	13.37	-43.12	49.44	51.94	74.00	22.06	Pass	Horizontal
2	2411.9024	32.28	13.35	-43.12	95.05	97.56	74.00	-23.56	Pass	Horizontal

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	PK		

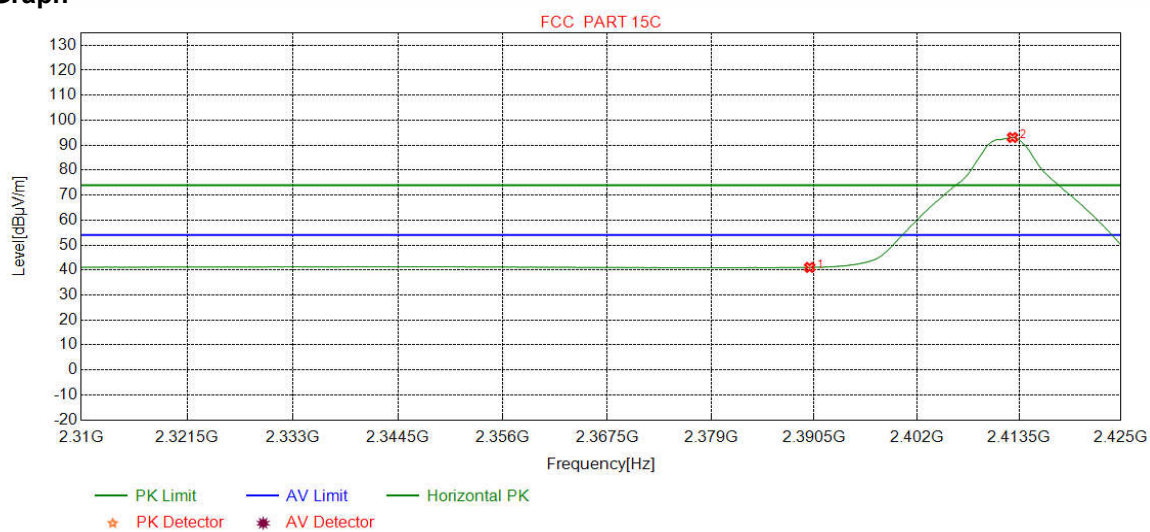
Test Graph



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	2390.0000	32.25	13.37	-43.12	48.74	51.24	74.00	22.76	Pass	Vertical
2	2411.9024	32.28	13.35	-43.12	94.72	97.23	74.00	-23.23	Pass	Vertical

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	AV		

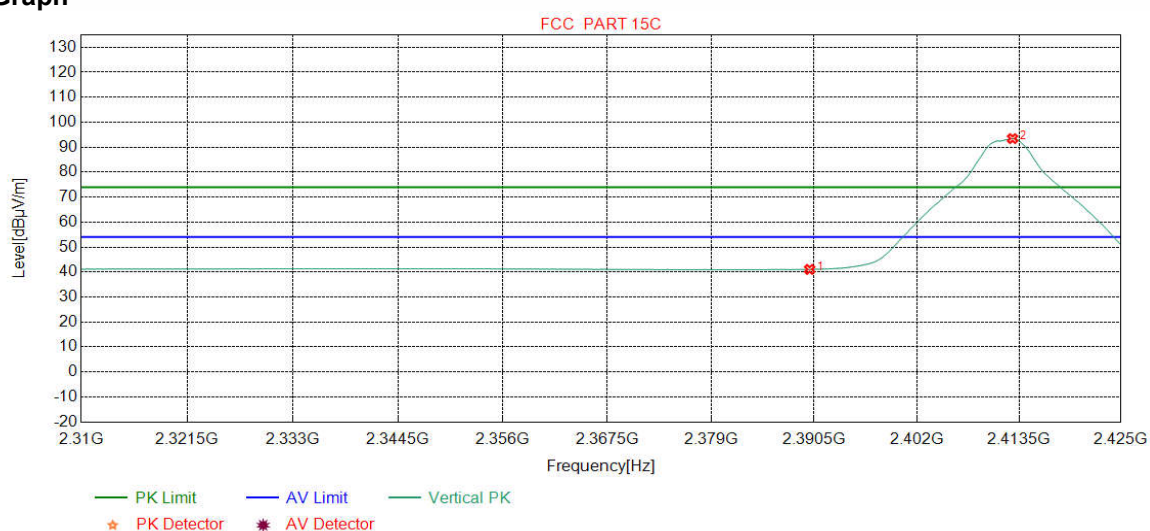
Test Graph



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	2390.0000	32.25	13.37	-43.12	38.56	41.06	54.00	12.94	Pass	Horizontal
2	2412.7660	32.28	13.36	-43.12	90.55	93.07	54.00	-39.07	Pass	Horizontal

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2412
Remark:	AV		

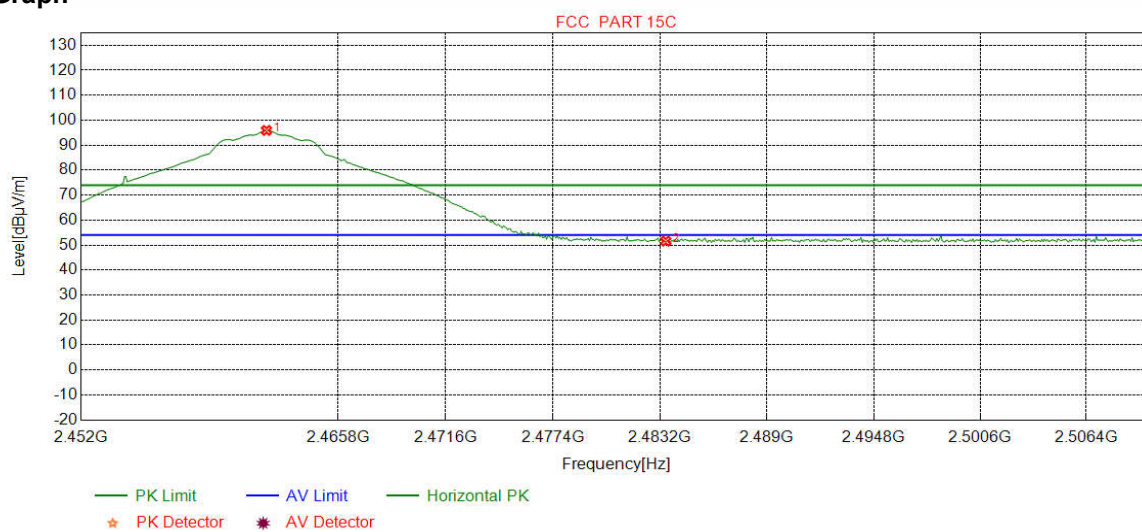
Test Graph



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	2390.0000	32.25	13.37	-43.12	38.56	41.06	54.00	12.94	Pass	Vertical
2	2412.7660	32.28	13.36	-43.12	90.92	93.44	54.00	-39.44	Pass	Vertical

Mode:	802.11 b(1Mbps) Transmitting	Channel:	2462
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	2461.9449	32.35	13.48	-43.12	93.20	95.91	74.00	-21.91	Pass	Horizontal
2	2483.5000	32.38	13.38	-43.11	48.93	51.58	74.00	22.42	Pass	Horizontal