

TEST REPORT

Product : MOBILE PHONE
Trade mark : ROKiT
Model/Type reference : IO PRO 3D
Serial Number : N/A
Report Number : EED32M00238604
FCC ID : 2AQNZ-IOPRO3D
Date of Issue : Aug.13, 2020
Test Standards : 47 CFR Part 15Subpart C
Test result : PASS

Prepared for:

ROKIT Corp Limited
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Prepared by:

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Date:

Aug.13, 2020

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Check No.:3096381507



2 Version

Version No.	Date	Description
00	Aug.13, 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.

All test data come from the report of No. EED32K00215404, only the product model and FCC ID has been modified.

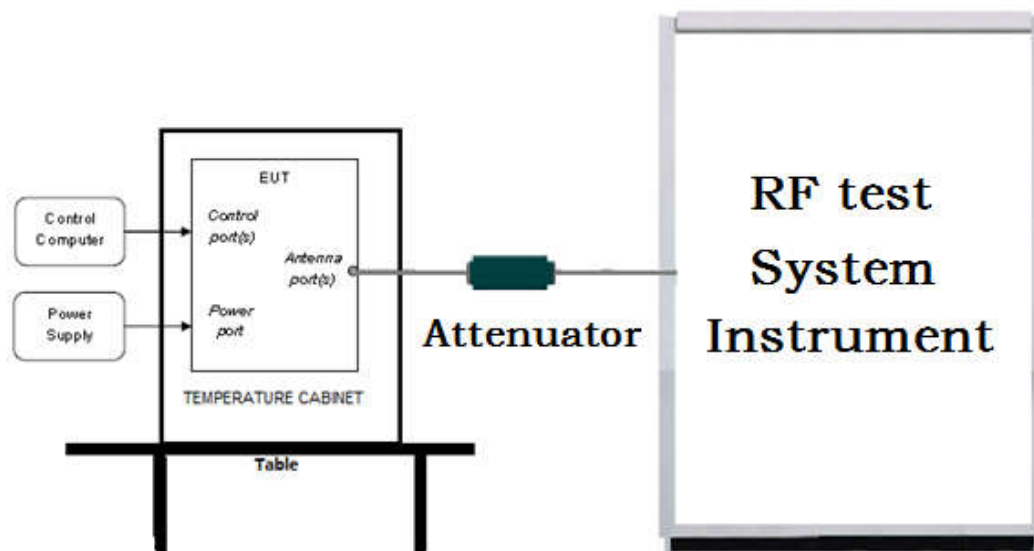
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5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

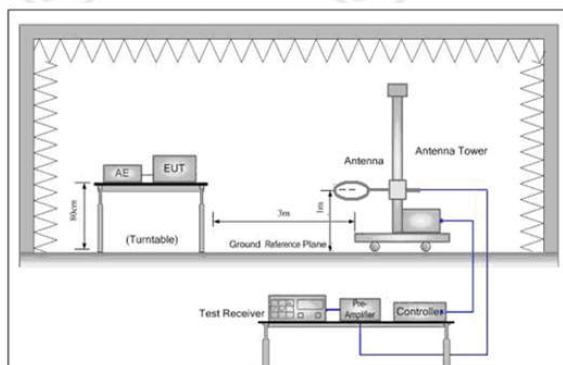


Figure 1. Below 30MHz

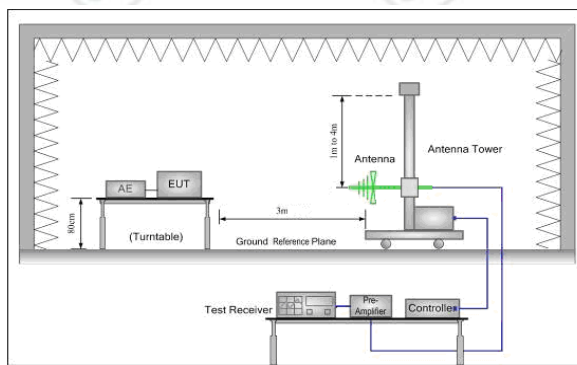


Figure 2. 30MHz to 1GHz

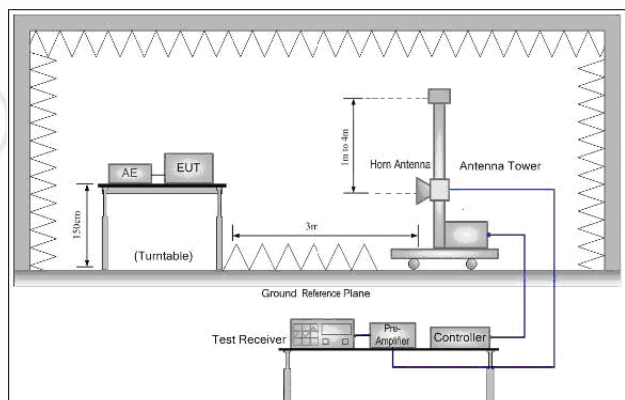
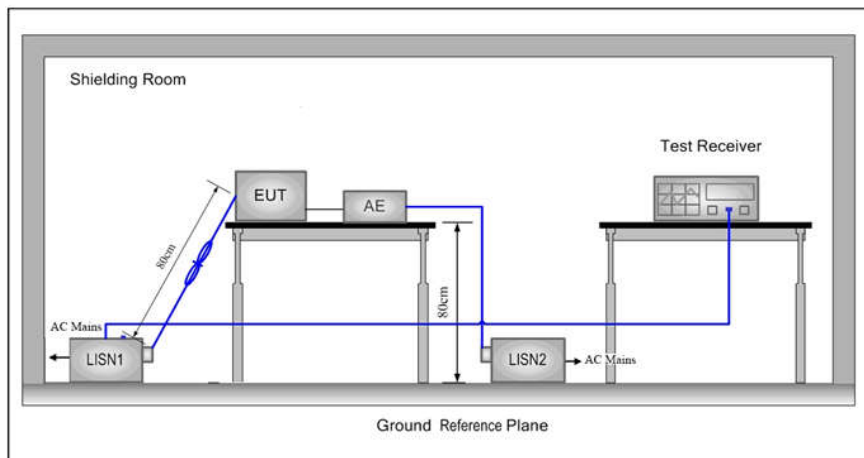


Figure 3. Above 1GHz

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:	
Temperature:	25.0 °C
Humidity:	56 % 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
802.11n(HT40)	2422MHz ~2452 MHz	Channel 1	Channel 4	Channel7
		2422MHz	2437MHz	2452MHz
TX mode:	The EUT transmitted the continuous signal at the specific channel(s).			

Test mode:

Pre-scan under all rate at lowest channel 1

Mode	802.11b							
Data Rate	1Mbps	2Mbps	5.5Mbps	11Mbps				
Power(dBm)	17.64	17.87	18.01	18.14				
Mode	802.11g							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power(dBm)	17.16	17.01	16.85	16.62	16.55	16.32	16.32	16.24
Mode	802.11n (HT20)							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power(dBm)	15.60	15.48	15.40	15.33	15.21	15.13	15.10	15.01
Mode	802.11n (HT40)							
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps
Power(dBm)	15.40	15.32	15.07	14.87	14.57	14.41	14.33	14.04

Through Pre-scan, 11Mbps 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); 13.5Mbps of rate is the worst case of 802.11n(HT40).

6 General Information

6.1 Client Information

Applicant:	ROKIT Corp Limited
Address of Applicant:	ROK House, Kingswood Business Park, Holyhead Road, Albrighton, Wolverhampton, United Kingdom, WV73AU
Manufacturer:	ROKIT Corp Limited
Address of Manufacturer:	ROK House, Kingswood Business Park, Holyhead Road, Albrighton, Wolverhampton, United Kingdom, WV73AU
Factory:	Shenzhen Newsun Technology Co., Ltd
Address of Factory:	5th Floor, A1 Building, Zhongtai Information Technology Industrial Park, No. 2 Dezheng Road, Shilong Community, Shiyan Street, Baoan District, Shenzhen, China

6.2 General Description of EUT

Product Name:	MOBILE PHONE
Model No.(EUT):	IO PRO 3D
Trade mark:	ROKIT
EUT Supports Radios application:	BT4.0, 2.1+EDR: 2402MHz to 2480MHz WiFi: IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz GPS: 1559MHz to 1610MHz GSM/GPRS/EDGE 850: Tx:824.20 -848.80MHz; Rx: 869.20 – 893.80MHz GSM/GPRS/EDGE 1900: Tx:1850.20 – 1909.80MHz; Rx:1930.20 – 1989.80MHz CDMA BC0: Tx:824-849MHz; Rx:869-894MHz CDMA BC1: Tx:1850-1910MHz; Rx:1930-1990MHz CDMA BC10: TX:817.25-823.975MHz, RX:862.25-868.975MHz 1xEVDO BC0: Tx:824-849MHz; Rx:869-894MHz 1xEVDO BC0: Tx:1850-1910MHz; Rx:1930-1990MHz 1xEVDO BC0: TX:817.25-823.975MHz, RX:862.25-868.975MHz WCDMA/HSDPA/HSUPA/HSPA+(Down Link) Band V: Tx:826.40 -846.60MHz; Rx: 871.40 – 891.60MHz WCDMA/HSDPA/HSUPA/HSPA+(Down Link) Band IV: Tx:1710-1755MHz; Rx: 2110-2155MHz WCDMA/HSDPA/HSUPA/HSPA+(Down Link) Band II: Tx:1852.40 – 1907.60MHz; Rx:1932.40 – 1987.60MHz LTE Band 2: TX:1850MHz to 1910MHz RX:1930MHz to 1990MHz. LTE Band 4: TX:1710MHz to 1755MHz RX:2110MHz to 2155MHz.

	LTE Band 5: TX:824MHz to 849MHz RX:869MHz to 894MHz. LTE Band 12: TX:698MHz to 716MHz RX:729MHz to 746MHz. LTE Band 17: TX:704MHz to 716MHz RX:734MHz to 746MHz.
Power Supply:	DC 5V by USB port Li-ion Battery 3.85V, 3850mAh, 14.822Wh
Firmware version:	MOLY.LR12A.R2.MP.V36.9(manufacturer declare)
Hardware version:	V0(manufacturer declare)
USB cable:	100cm(shielded)
Sample Received Date:	Aug. 08, 2018
Sample tested Date:	Aug. 08, 2018 to Aug. 29, 2018

6.3 Product Specification subjective to this standard

Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 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 and HT40) : OFDM (64QAM, 16QAM, QPSK,BPSK)
Sample Type:	mobile production
Antenna Type and Gain:	Type: MONOPOLE Gain: -3dBi
Test Voltage:	DC 3.85V

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		
Operation Frequency each of channel(802.11n HT40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency		
1	2422MHz	4	2437MHz	7	2452MHz		
2	2427MHz	5	2442MHz				
3	2432MHz	6	2447MHz				

6.4 Description of Support Units

The EUT has been tested with associated equipment below.

Associated equipment name		Manufacture	model	serial number	Supplied by	Certification
AE1	AC Adapter	Dongguan Aohai Power Technology Co.,Ltd.	MDY-09-EB	——	CTI	FCC

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	0.31dB (30MHz-1GHz)
		0.57dB (1GHz-18GHz)
3	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-12.75GHz)
4	Conduction emission	3.6dB (9kHz to 150kHz)
		3.2dB (150kHz to 30MHz)
5	Temperature test	0.64°C
6	Humidity test	2.8%
7	DC power voltages	0.025%

7 Equipment List

RF test system					
Equipment	Manufacturer	Model No.	Serial Number	Cal. Date (mm-dd-yyyy)	Cal. Due date (mm-dd-yyyy)
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Spectrum Analyzer	Keysight	N9010A	MY54510339	03-13-2018	03-12-2019
Attenuator	HuaXiang	SHX370	15040701	03-13-2018	03-12-2019
Signal Generator	Keysight	N5181A	MY46240094	03-13-2018	03-12-2019
Signal Generator	Keysight	N5182B	MY53051549	03-13-2018	03-12-2019
Temperature/Humidity Indicator	TAYLOR	1451	---	05-02-2018	05-01-2019
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA09 CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA08 CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA04 CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA03 CL12-0394-001	---	01-10-2018	01-09-2019
Communication test set	R&S	CMW500	107929	06-27-2018	06-26-2019
DC Power	Keysight	E3642A	MY54426035	03-13-2018	03-12-2019
PC-1	Lenovo	R4960d	---	03-29-2018	03-28-2019
BT&WI-FI Automatic control	R&S	OSP120	101374	04-11-2018	04-10-2019
RF control unit	JS Tonscend	JS0806-2	15860006	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-1	15860004	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-4	158060007	03-13-2018	03-12-2019
BT&WI-FI Automatic test software	JS Tonscend	JSTS1120-2	---	03-13-2018	03-12-2019
high-low temperature test chamber	DongGuangQinZhuo	LK-80GA	QZ20150611879	03-16-2018	03-15-2019

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	---	06-04-2016	06-03-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-401	04-26-2018	04-25-2019
TRILOG Broadband Antenna	Schwarzbeck	VULB9163	9163-618	07-30-2018	07-29-2019
Microwave Preamplifier	Agilent	8449B	3008A02425	08-21-2018	08-20-2019
Microwave Preamplifier	Tonscend	EMC051845SE	980380	01-19-2018	01-18-2019
Horn Antenna	Schwarzbeck	BBHA 9120D	9120D-1869	04-25-2018	04-23-2021
Double ridge horn antenna	A.H.SYSTEMS	SAS-574	6042	06-05-2018	06-04-2021
Pre-amplifier	A.H.SYSTEMS	PAP-1840-60	6041	06-05-2018	06-04-2021
Loop Antenna	ETS	6502	00071730	06-22-2017	06-21-2019
Spectrum Analyzer	R&S	FSP40	100416	05-11-2018	05-10-2019
Receiver	R&S	ESCI	100435	05-25-2018	05-24-2019
Multi device Controller	maturo	NCD/070/10711112	---	01-10-2018	01-09-2019
LISN	schwarzbeck	NNBM8125	81251547	05-11-2018	05-10-2019
LISN	schwarzbeck	NNBM8125	81251548	05-11-2018	05-10-2019
Signal Generator	Agilent	E4438C	MY45095744	03-13-2018	03-12-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	TAYLOR	1451	1905	05-02-2018	05-01-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Cable line	Fulai(7M)	SF106	5219/6A	01-10-2018	01-09-2019
Cable line	Fulai(6M)	SF106	5220/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5216/6A	01-10-2018	01-09-2019
Cable line	Fulai(3M)	SF106	5217/6A	01-10-2018	01-09-2019
Communication test set	R&S	CMW500	104466	02-05-2018	02-04-2019
High-pass filter	Sinoscite	FL3CX03WG18 NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA09 CL12-0395-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX01CA08 CL12-0393-001	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA04 CL12-0396-002	---	01-10-2018	01-09-2019
band rejection filter	Sinoscite	FL5CX02CA03 CL12-0394-001	---	01-10-2018	01-09-2019

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	05-25-2018	05-24-2019
Temperature/ Humidity Indicator	Defu	TH128	/	07-02-2018	07-01-2019
Communication test set	Agilent	E5515C	GB47050534	03-16-2018	03-15-2019
Communication test set	R&S	CMW500	152394	03-16-2018	03-15-2019
LISN	R&S	ENV216	100098	05-10-2018	05-10-2019
LISN	schwarzbeck	NNLK8121	8121-529	05-10-2018	05-10-2019
Voltage Probe	R&S	ESH2-Z3 0299.7810.56	100042	06-13-2017	06-11-2020
Current Probe	R&S	EZ-17 816.2063.03	100106	05-30-2018	05-29-2019
ISN	TESEQ	ISN T800	30297	02-06-2018	02-05-2019

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:

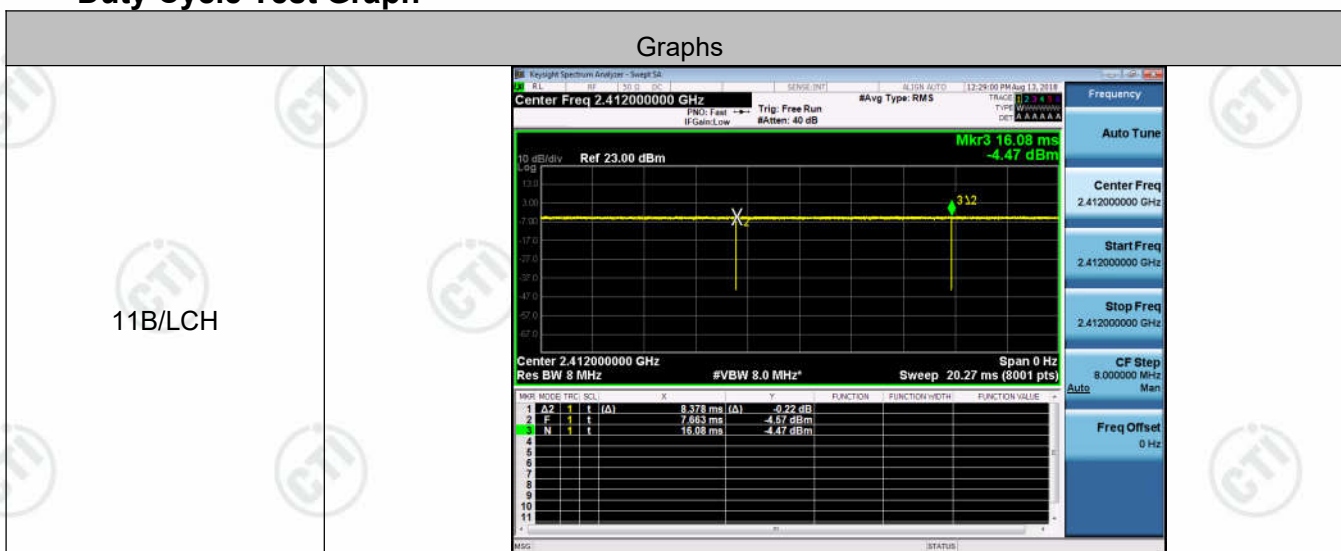
Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(3)	ANSI C63.10	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.247 (a)(2)	ANSI C63.10	6dB Occupied Bandwidth	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10	Band-edge for RF Conducted Emissions	PASS	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)

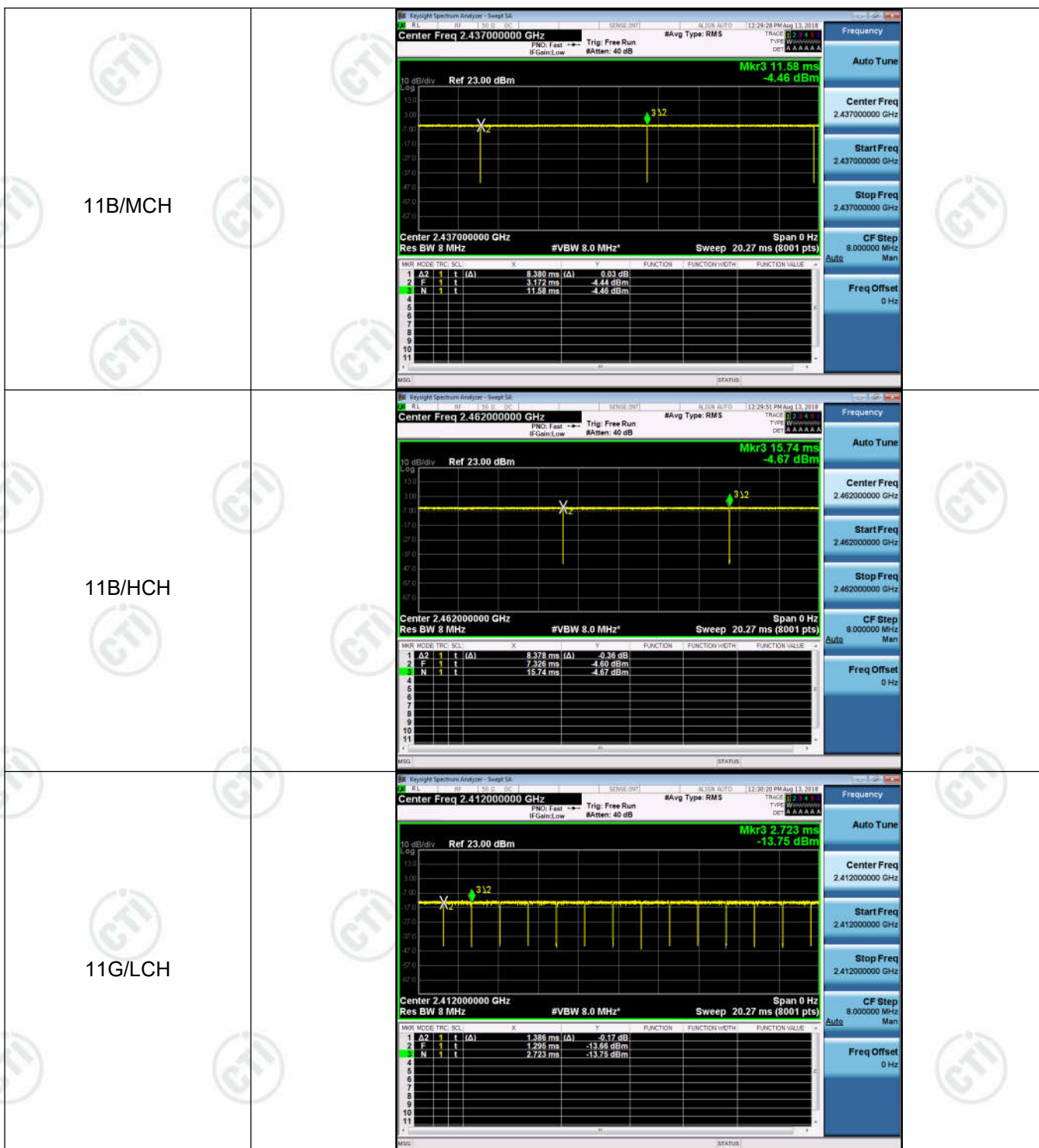
Appendix A) Conducted Peak Output Power

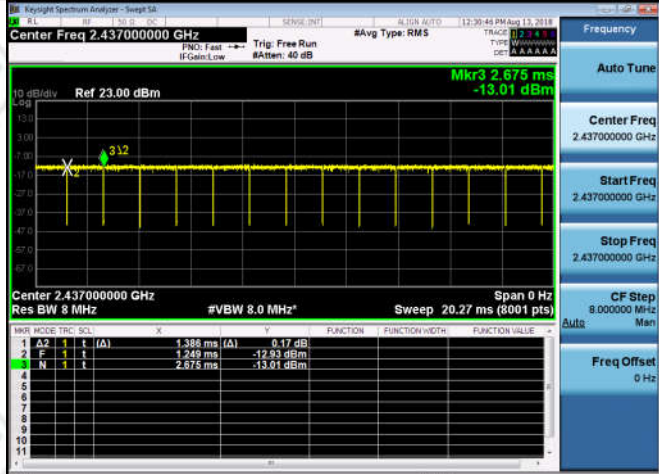
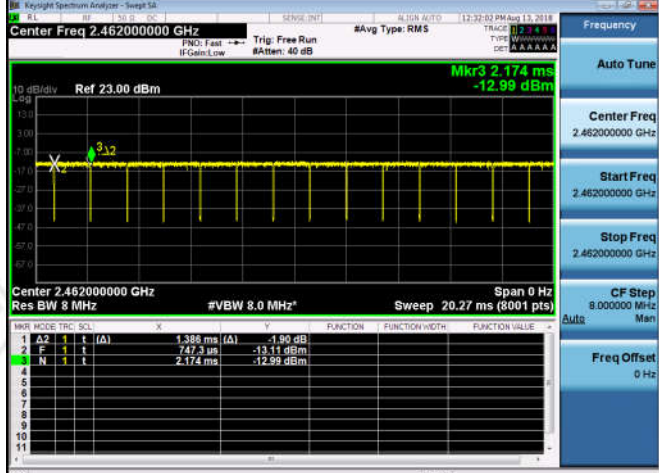
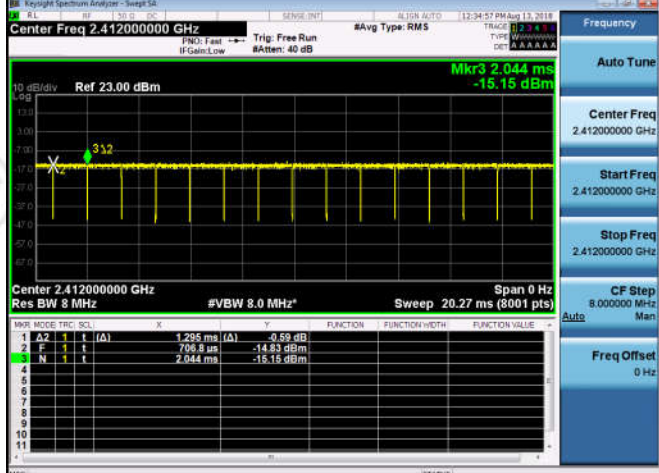
Duty Cycle Result Table

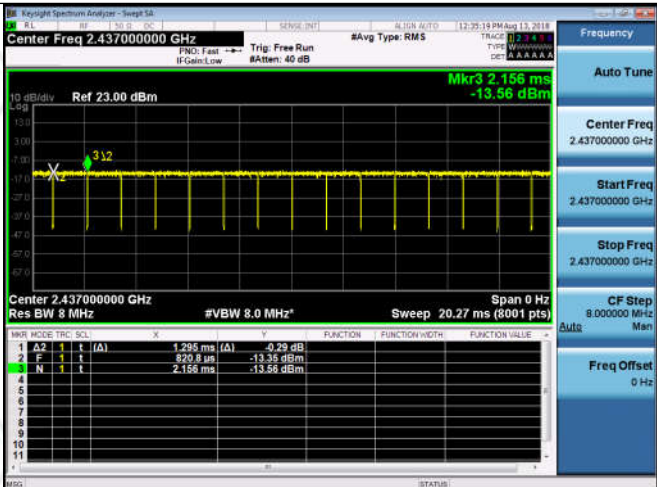
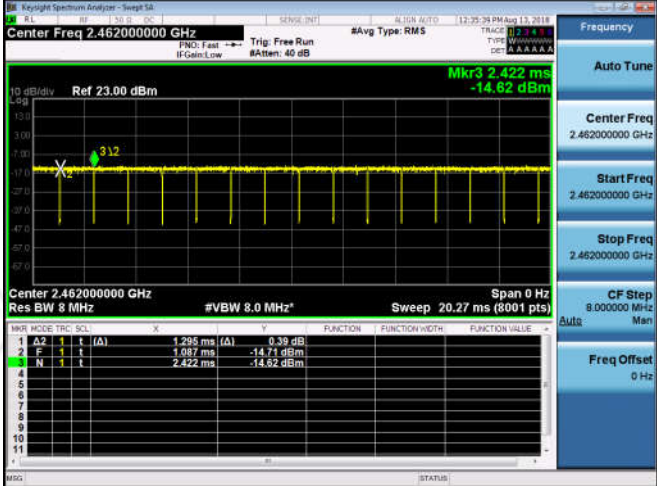
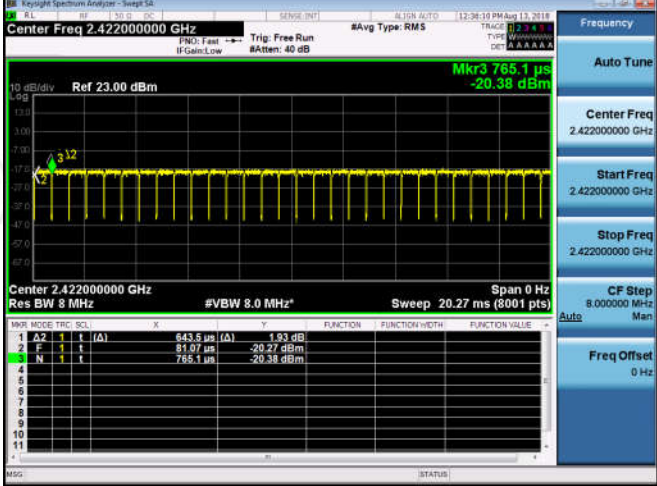
Test Mode	Channel	Duty Cycle[%]	Verdict
11B	2412	99.58	PASS
11B	2437	99.61	PASS
11B	2462	99.58	PASS
11G	2412	96.99	PASS
11G	2437	97.16	PASS
11G	2462	97.16	PASS
11N20SISO	2412	96.78	PASS
11N20SISO	2437	96.96	PASS
11N20SISO	2462	96.96	PASS
11N40SISO	2422	94.07	PASS
11N40SISO	2437	94.05	PASS
11N40SISO	2452	94.07	PASS

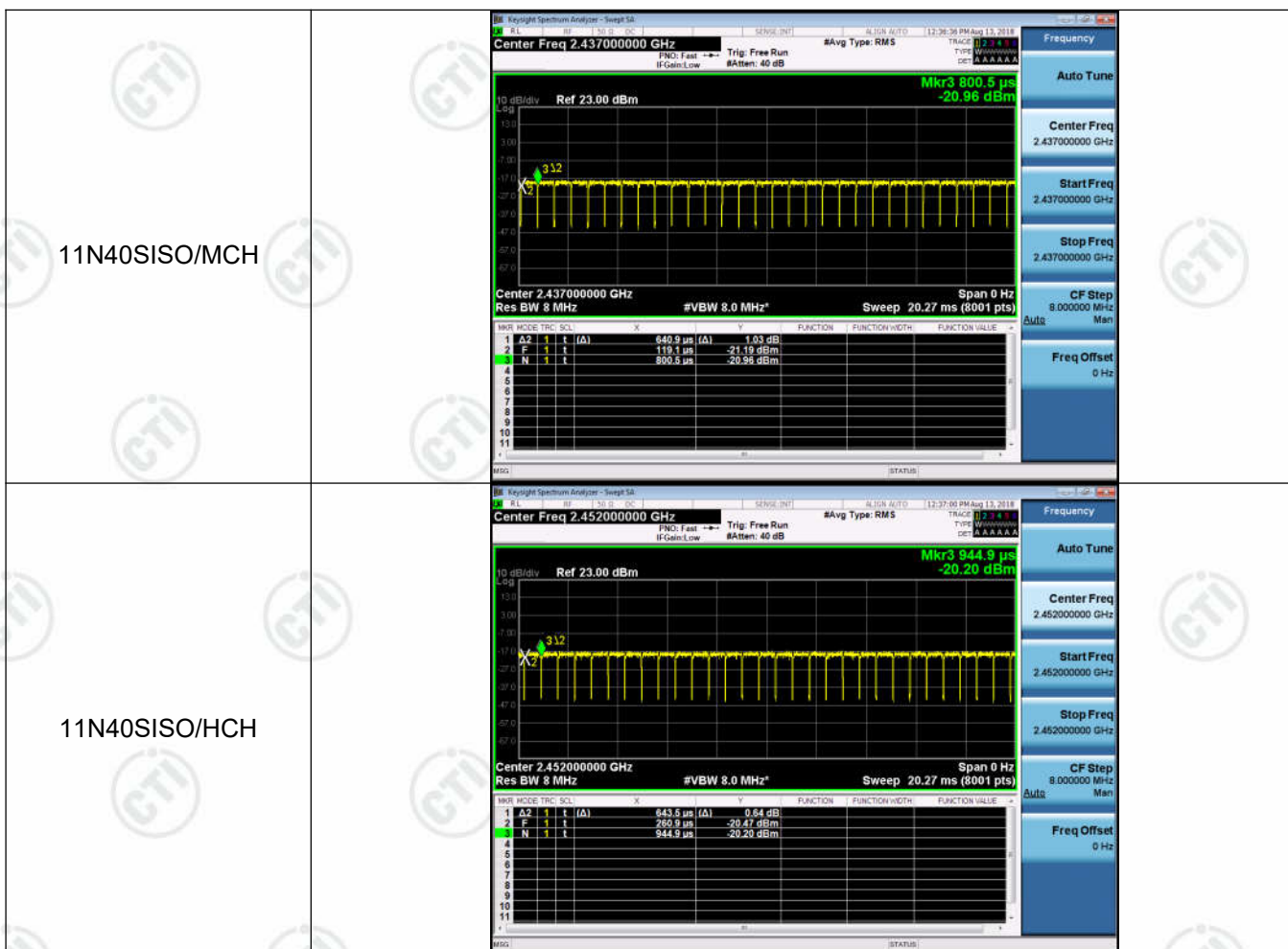
Duty Cycle Test Graph





11G/MCH	 Center Freq 2.437000000 GHz Ref 23.00 dBm Mkr3 2.675 ms -13.01 dBm Center 2.437000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 20.27 ms (8001 pts) Span 0 Hz <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>t</td><td>(A)</td><td>1.386 ms</td><td>(A)</td><td>0.17 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>t</td><td></td><td>1.249 ms</td><td></td><td>-12.93 dBm</td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td></td><td>2.675 ms</td><td></td><td>-13.01 dBm</td><td></td></tr></table>	MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	A2	1	t	(A)	1.386 ms	(A)	0.17 dB		2	F	1	t		1.249 ms		-12.93 dBm		3	N	1	t		2.675 ms		-13.01 dBm	
MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																													
1	A2	1	t	(A)	1.386 ms	(A)	0.17 dB																														
2	F	1	t		1.249 ms		-12.93 dBm																														
3	N	1	t		2.675 ms		-13.01 dBm																														
11G/HCH	 Center Freq 2.462000000 GHz Ref 23.00 dBm Mkr3 2.174 ms -12.99 dBm Center 2.462000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 20.27 ms (8001 pts) Span 0 Hz <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>t</td><td>(A)</td><td>1.386 ms</td><td>(A)</td><td>-1.90 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>t</td><td></td><td>747.3 us</td><td></td><td>-13.11 dBm</td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td></td><td>2.174 ms</td><td></td><td>-12.99 dBm</td><td></td></tr></table>	MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	A2	1	t	(A)	1.386 ms	(A)	-1.90 dB		2	F	1	t		747.3 us		-13.11 dBm		3	N	1	t		2.174 ms		-12.99 dBm	
MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																													
1	A2	1	t	(A)	1.386 ms	(A)	-1.90 dB																														
2	F	1	t		747.3 us		-13.11 dBm																														
3	N	1	t		2.174 ms		-12.99 dBm																														
11N20SISO/LCH	 Center Freq 2.412000000 GHz Ref 23.00 dBm Mkr3 2.044 ms -15.15 dBm Center 2.412000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 20.27 ms (8001 pts) Span 0 Hz <table><tr><th>MARK</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>A2</td><td>1</td><td>t</td><td>(A)</td><td>1.285 ms</td><td>(A)</td><td>-6.88 dB</td><td></td></tr><tr><td>2</td><td>F</td><td>1</td><td>t</td><td></td><td>706.8 us</td><td></td><td>-14.83 dBm</td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>t</td><td></td><td>2.044 ms</td><td></td><td>-15.15 dBm</td><td></td></tr></table>	MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	A2	1	t	(A)	1.285 ms	(A)	-6.88 dB		2	F	1	t		706.8 us		-14.83 dBm		3	N	1	t		2.044 ms		-15.15 dBm	
MARK	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																													
1	A2	1	t	(A)	1.285 ms	(A)	-6.88 dB																														
2	F	1	t		706.8 us		-14.83 dBm																														
3	N	1	t		2.044 ms		-15.15 dBm																														

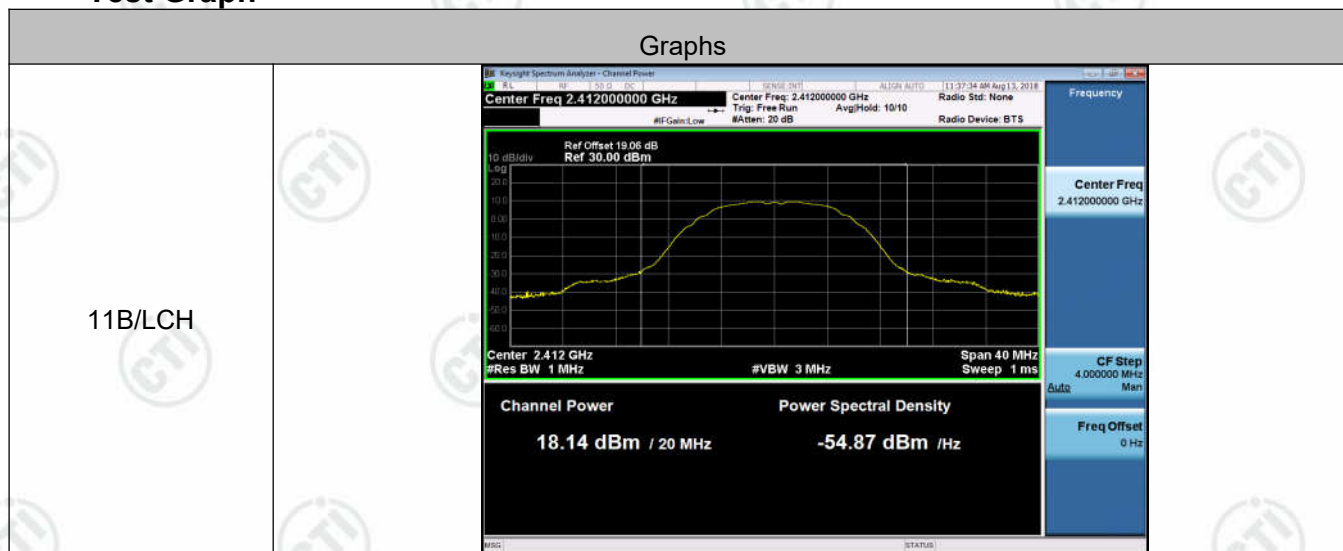
11N20SISO/MCH	 Key parameters from screenshot: - Center Freq: 2.437000000 GHz - Ref: 23.00 dBm - Mkr3: 2.156 ms, -13.56 dBm - Res BW: 8 MHz #VBW: 8.0 MHz - Sweep: 20.27 ms (8001 pts)
11N20SISO/HCH	 Key parameters from screenshot: - Center Freq: 2.462000000 GHz - Ref: 23.00 dBm - Mkr3: 2.422 ms, -14.62 dBm - Res BW: 8 MHz #VBW: 8.0 MHz - Sweep: 20.27 ms (8001 pts)
11N40SISO/LCH	 Key parameters from screenshot: - Center Freq: 2.422000000 GHz - Ref: 23.00 dBm - Mkr3: 765.1 μs, -20.38 dBm - Res BW: 8 MHz #VBW: 8.0 MHz - Sweep: 20.27 ms (8001 pts)

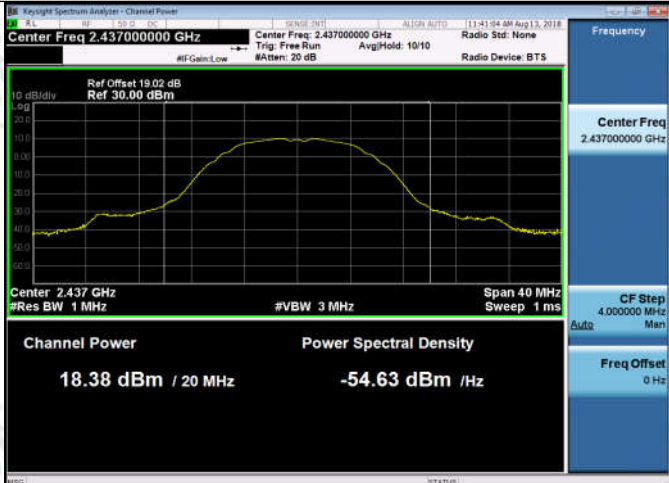
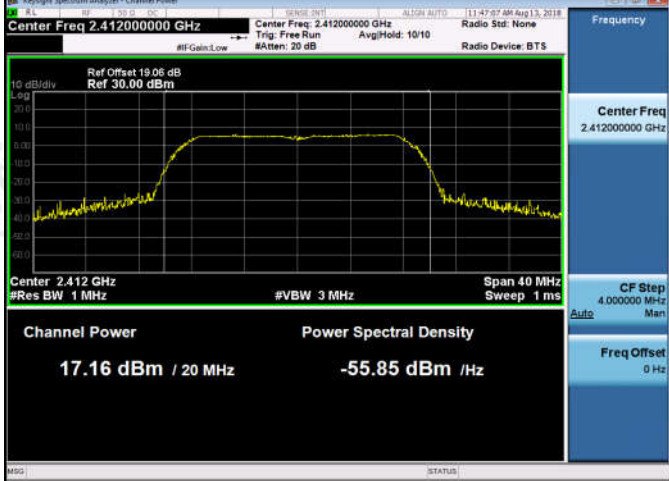


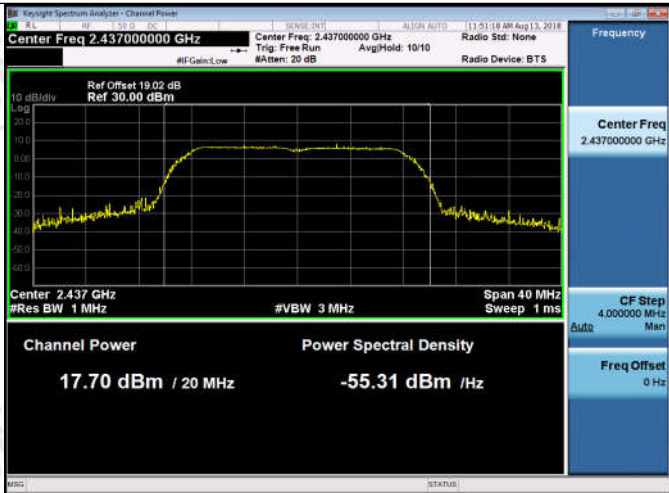
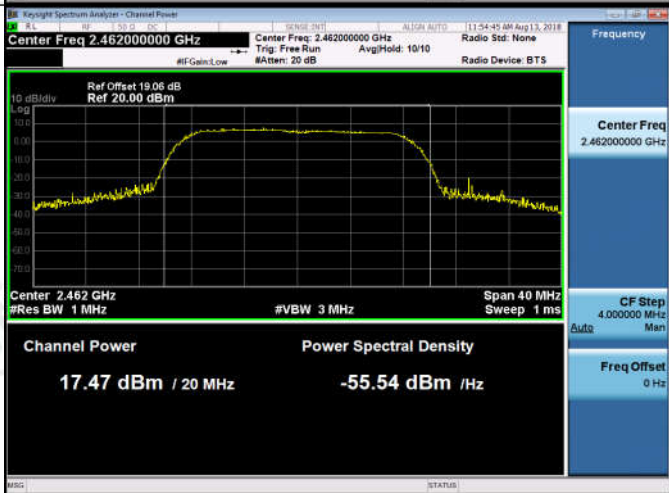
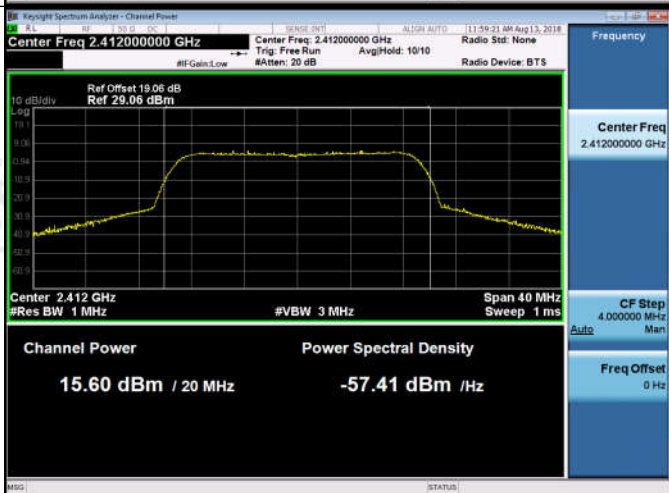
Result Table

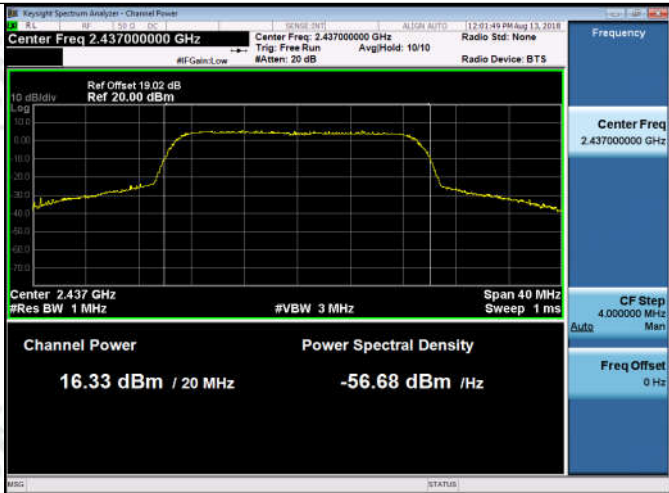
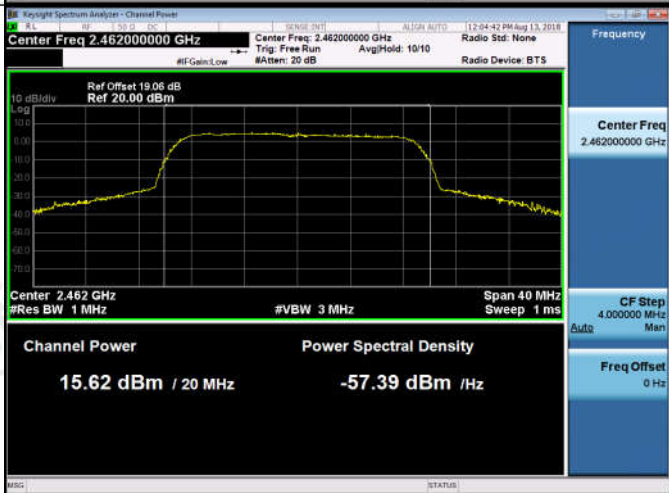
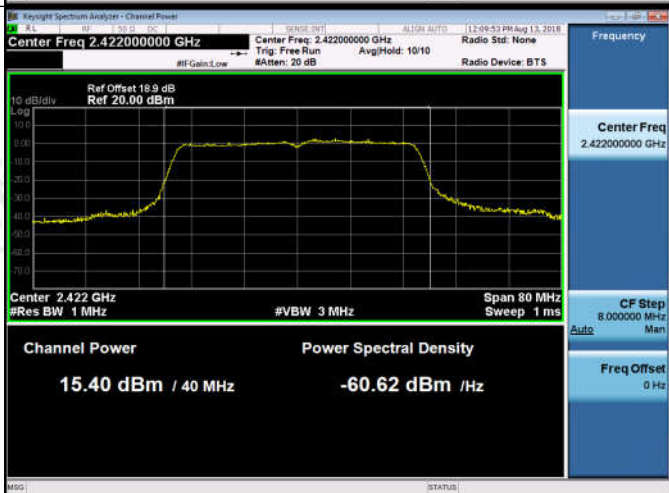
Mode	Channel	Conducted Peak Output Power [dBm]	Av.Power [dBm]	Verdict
11B	LCH	18.14	18.14	Pass
11B	MCH	18.38	18.38	Pass
11B	HCH	18.03	18.03	Pass
11G	LCH	17.16	16.89	Pass
11G	MCH	17.70	17.66	Pass
11G	HCH	17.47	17.22	Pass
11N20SISO	LCH	15.60	15.32	Pass
11N20SISO	MCH	16.33	16.06	Pass
11N20SISO	HCH	15.62	15.35	Pass
11N40SISO	LCH	15.40	14.87	Pass
11N40SISO	MCH	15.69	15.16	Pass
11N40SISO	HCH	15.51	14.98	Pass

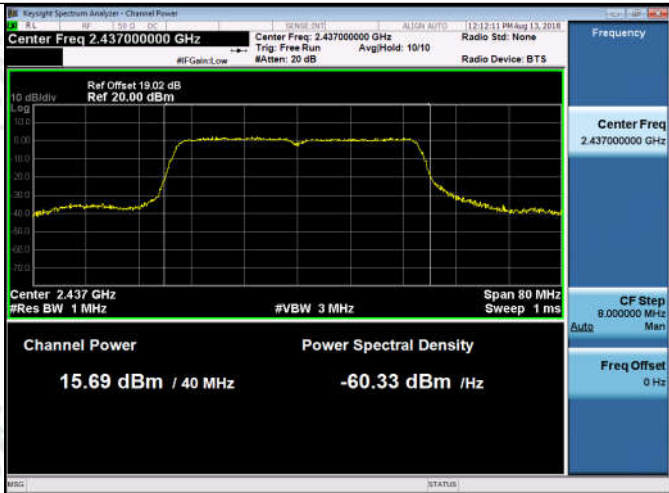
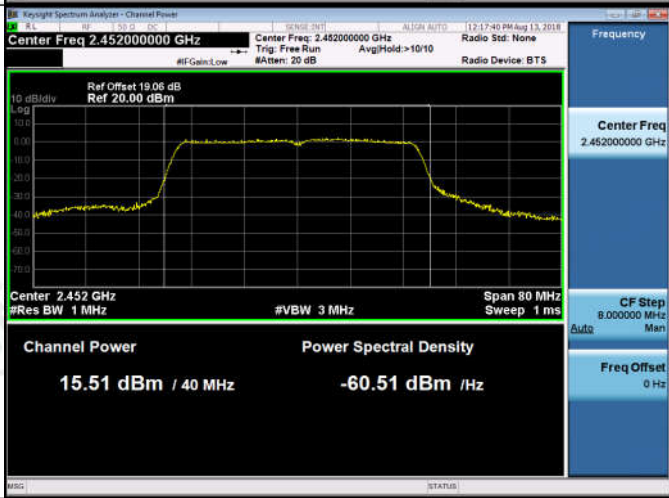
Test Graph



11B/MCH	 Center Freq 2.437000000 GHz Ref Offset 19.02 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 18.38 dBm / 20 MHz Power Spectral Density -54.63 dBm /Hz Frequency Center Freq 2.437000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
11B/HCH	 Center Freq 2.462000000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 18.03 dBm / 20 MHz Power Spectral Density -54.98 dBm /Hz Frequency Center Freq 2.462000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz
11G/LCH	 Center Freq 2.412000000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 17.16 dBm / 20 MHz Power Spectral Density -55.85 dBm /Hz Frequency Center Freq 2.412000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz

11G/MCH	 Keyight Spectrum Analyzer - Channel Power Center Freq 2.437000000 GHz Ref Offset 19.02 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 17.70 dBm / 20 MHz Power Spectral Density -55.31 dBm / Hz Center Freq 2.437000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz
11G/HCH	 Keyight Spectrum Analyzer - Channel Power Center Freq 2.462000000 GHz Ref Offset 19.06 dB Ref 20.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 17.47 dBm / 20 MHz Power Spectral Density -55.54 dBm / Hz Center Freq 2.462000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz
11N20SISO/LCH	 Keyight Spectrum Analyzer - Channel Power Center Freq 2.412000000 GHz Ref Offset 19.06 dB Ref 29.06 dBm Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 15.60 dBm / 20 MHz Power Spectral Density -57.41 dBm / Hz Center Freq 2.412000000 GHz CF Step 4.000000 MHz Freq Offset 0 Hz

11N20SISO/MCH	 Center Freq 2.437000000 GHz Ref Offset 19.02 dB Ref 20.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 16.33 dBm / 20 MHz Power Spectral Density -56.68 dBm /Hz
11N20SISO/HCH	 Center Freq 2.462000000 GHz Ref Offset 19.06 dB Ref 20.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1 ms Channel Power 15.62 dBm / 20 MHz Power Spectral Density -57.39 dBm /Hz
11N40SISO/LCH	 Center Freq 2.422000000 GHz Ref Offset 19.9 dB Ref 20.00 dBm Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1 ms Channel Power 15.40 dBm / 40 MHz Power Spectral Density -60.62 dBm /Hz

11N40SISO/MCH	
11N40SISO/HCH	

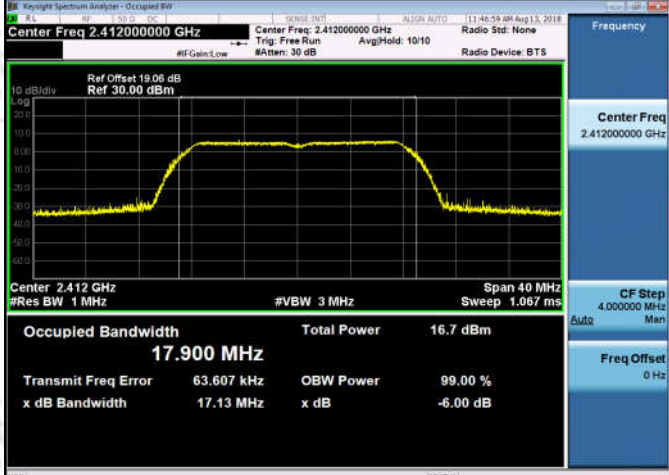
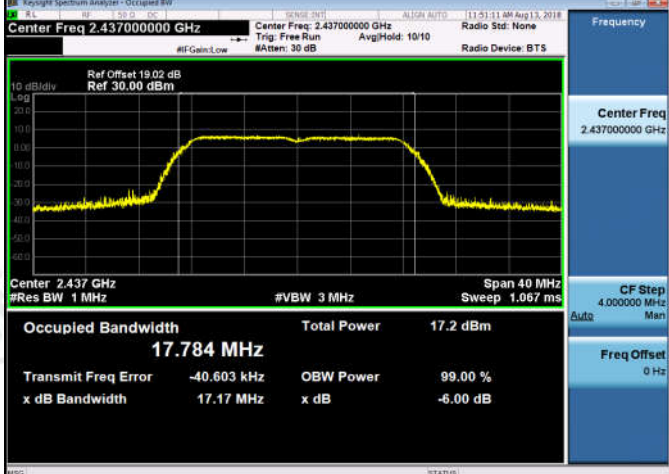
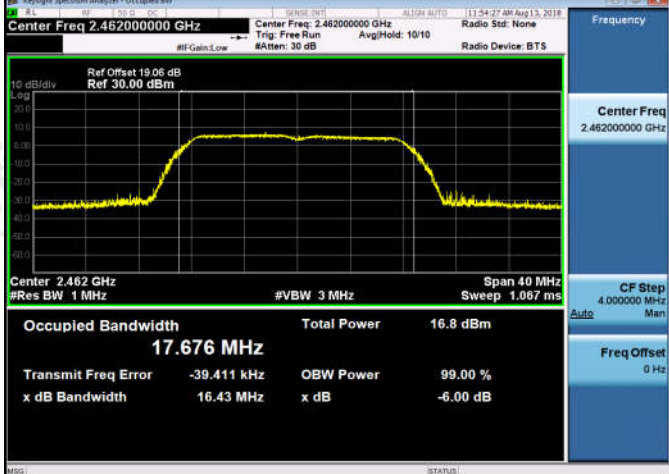
Appendix B) 6dB Occupied Bandwidth

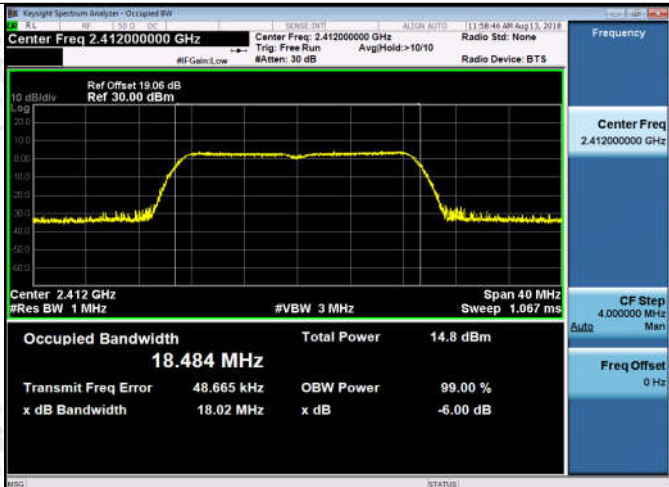
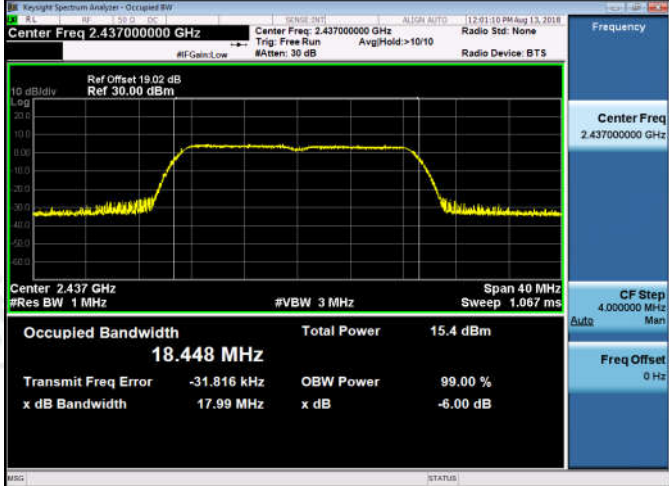
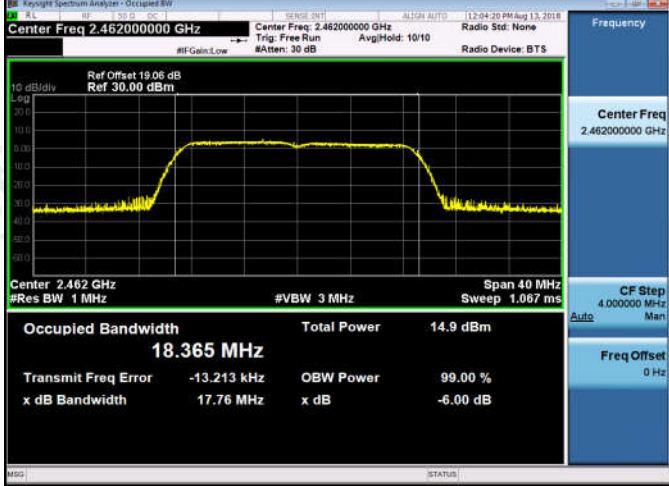
Result Table

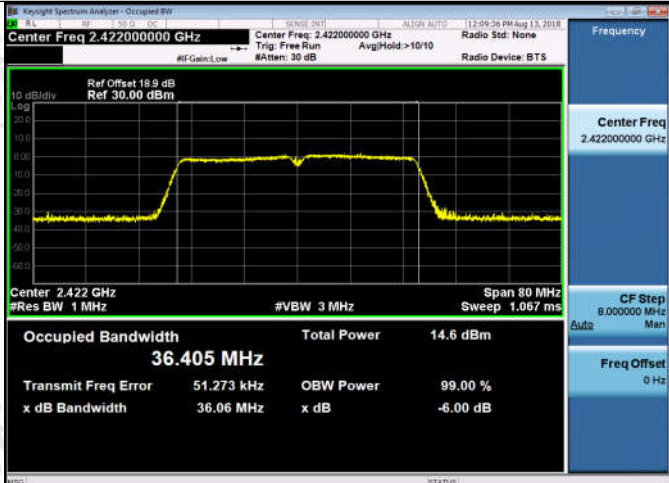
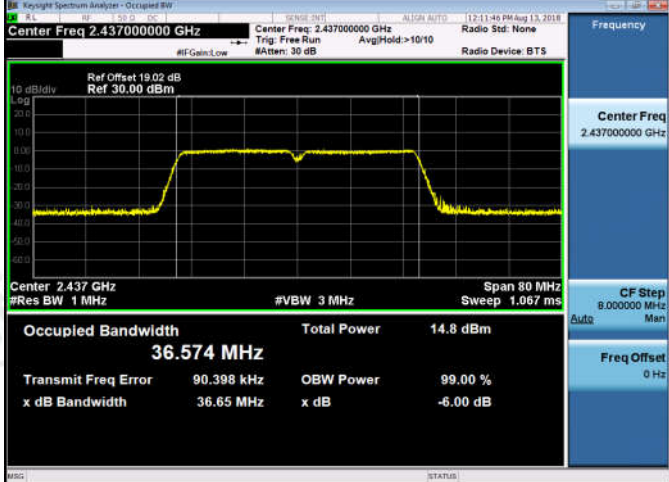
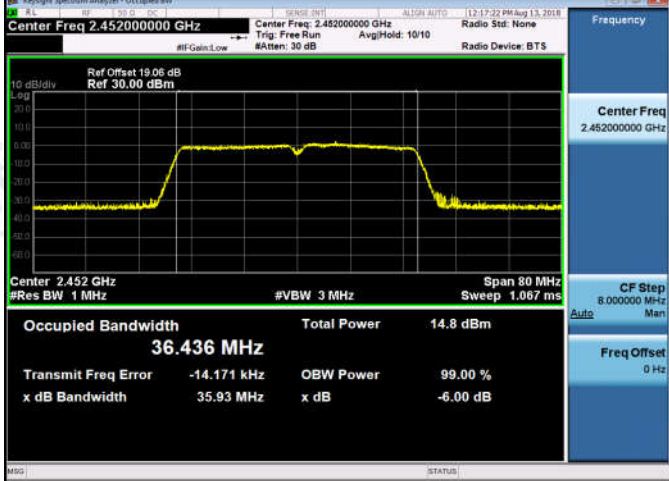
Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict	Remark
11B	LCH	9.804	12.750	PASS	Peak detector
11B	MCH	9.728	12.726	PASS	
11B	HCH	9.565	12.536	PASS	
11G	LCH	17.13	17.900	PASS	
11G	MCH	17.17	17.784	PASS	
11G	HCH	16.43	17.676	PASS	
11N20SISO	LCH	18.02	18.484	PASS	
11N20SISO	MCH	17.99	18.448	PASS	
11N20SISO	HCH	17.76	18.365	PASS	
11N40SISO	LCH	36.06	36.405	PASS	
11N40SISO	MCH	36.65	36.574	PASS	
11N40SISO	HCH	35.93	36.436	PASS	

Test Graph

Graphs	
11B/LCH	Keyight Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Radio Std: None Ref Offset 19.06 dB Ref 30.00 dBm Trig: Free Run Avg/Hold: >10/10 #IF Gain: Low #ATTen: 30 dB Radio Device: BTS Center 2.412 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.067 ms Occupied Bandwidth 12.750 MHz Total Power 18.1 dBm Transmit Freq Error 51.945 kHz OBW Power 99.00 % x dB Bandwidth 9.804 MHz x dB -6.00 dB
11B/MCH	Keyight Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None Ref Offset 19.02 dB Ref 30.00 dBm Trig: Free Run Avg/Hold: 10/10 #IF Gain: Low #ATTen: 30 dB Radio Device: BTS Center 2.437 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.067 ms Occupied Bandwidth 12.726 MHz Total Power 18.4 dBm Transmit Freq Error -60.577 kHz OBW Power 99.00 % x dB Bandwidth 9.728 MHz x dB -6.00 dB
11B/HCH	Keyight Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None Ref Offset 19.06 dB Ref 30.00 dBm Trig: Free Run Avg/Hold: 10/10 #IF Gain: Low #ATTen: 30 dB Radio Device: BTS Center 2.462 GHz Span 40 MHz #Res BW 1 MHz #VBW 3 MHz Sweep 1.067 ms Occupied Bandwidth 12.536 MHz Total Power 18.1 dBm Transmit Freq Error -99.031 kHz OBW Power 99.00 % x dB Bandwidth 9.565 MHz x dB -6.00 dB

11G/LCH	 Center Freq 2.41200000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center Freq 2.41200000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 17.900 MHz Total Power 16.7 dBm Transmit Freq Error 63.607 kHz OBW Power 99.00 % x dB Bandwidth 17.13 MHz x dB -6.00 dB
11G/MCH	 Center Freq 2.43700000 GHz Ref Offset 19.02 dB Ref 30.00 dBm Center Freq 2.43700000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 17.784 MHz Total Power 17.2 dBm Transmit Freq Error -40.603 kHz OBW Power 99.00 % x dB Bandwidth 17.17 MHz x dB -6.00 dB
11G/HCH	 Center Freq 2.46200000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center Freq 2.46200000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 17.676 MHz Total Power 16.8 dBm Transmit Freq Error -39.411 kHz OBW Power 99.00 % x dB Bandwidth 16.43 MHz x dB -6.00 dB

11N20SISO/LCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 18.484 MHz Total Power 14.8 dBm Transmit Freq Error 48.665 kHz OBW Power 99.00 % x dB Bandwidth 18.02 MHz x dB -6.00 dB
11N20SISO/MCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 19.02 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 18.448 MHz Total Power 15.4 dBm Transmit Freq Error -31.816 kHz OBW Power 99.00 % x dB Bandwidth 17.99 MHz x dB -6.00 dB
11N20SISO/HCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 40 MHz Sweep 1.067 ms Occupied Bandwidth 18.365 MHz Total Power 14.9 dBm Transmit Freq Error -13.213 kHz OBW Power 99.00 % x dB Bandwidth 17.76 MHz x dB -6.00 dB

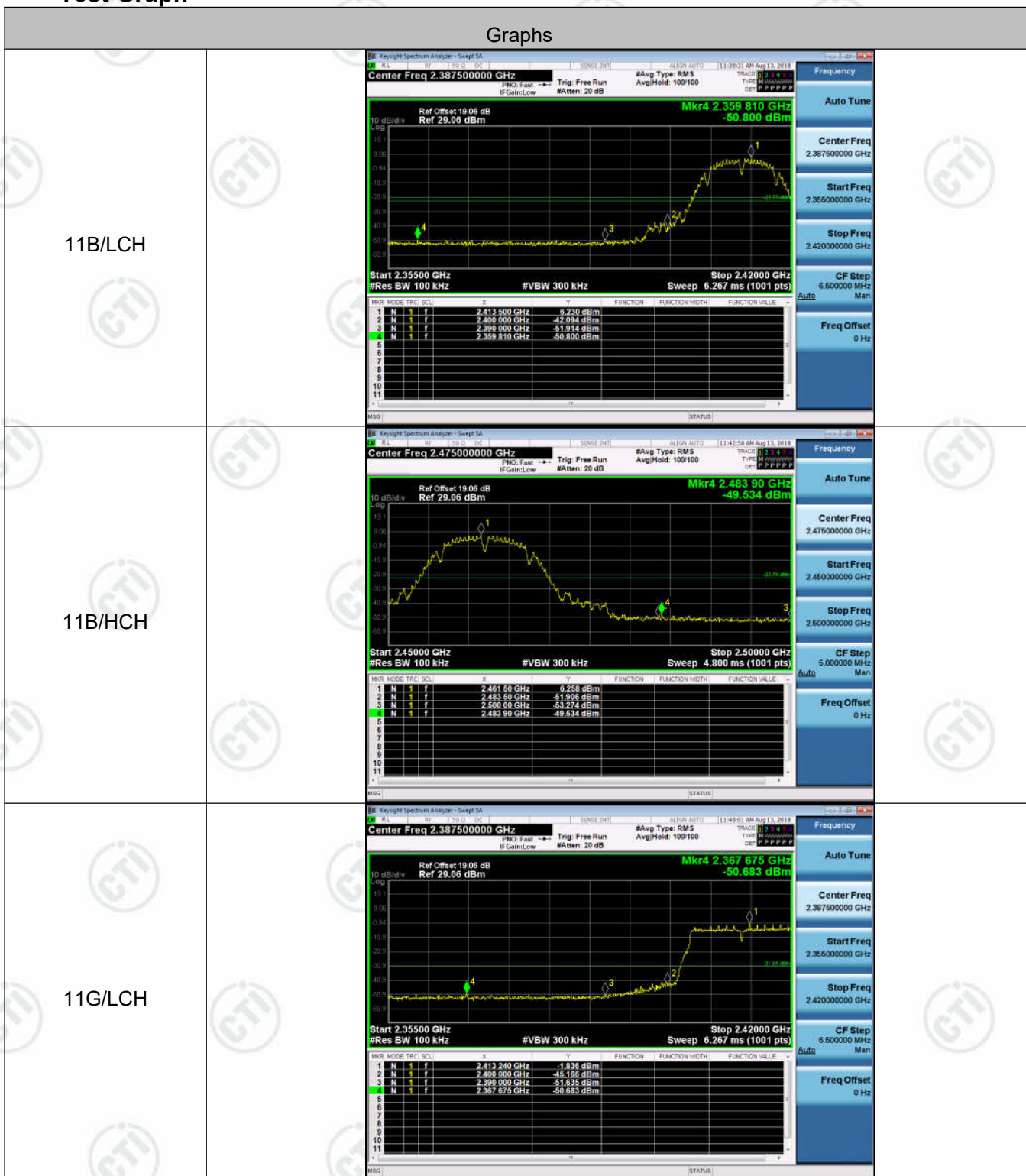
11N40SISO/LCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.42200000 GHz Ref Offset 19.9 dB Ref 30.00 dBm Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 36.405 MHz Total Power 14.6 dBm Transmit Freq Error 51.273 kHz OBW Power 99.00 % x dB Bandwidth 36.06 MHz x dB -6.00 dB Frequency Center Freq 2.42200000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz
11N40SISO/MCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.43700000 GHz Ref Offset 19.02 dB Ref 30.00 dBm Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 36.574 MHz Total Power 14.8 dBm Transmit Freq Error 90.398 kHz OBW Power 99.00 % x dB Bandwidth 36.65 MHz x dB -6.00 dB Frequency Center Freq 2.43700000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz
11N40SISO/HCH	 Keyight Spectrum Analyzer - Occupied BW Center Freq 2.45200000 GHz Ref Offset 19.06 dB Ref 30.00 dBm Center 2.452 GHz #Res BW 1 MHz #VBW 3 MHz Span 80 MHz Sweep 1.067 ms Occupied Bandwidth 36.436 MHz Total Power 14.8 dBm Transmit Freq Error -14.171 kHz OBW Power 99.00 % x dB Bandwidth 35.93 MHz x dB -6.00 dB Frequency Center Freq 2.45200000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz

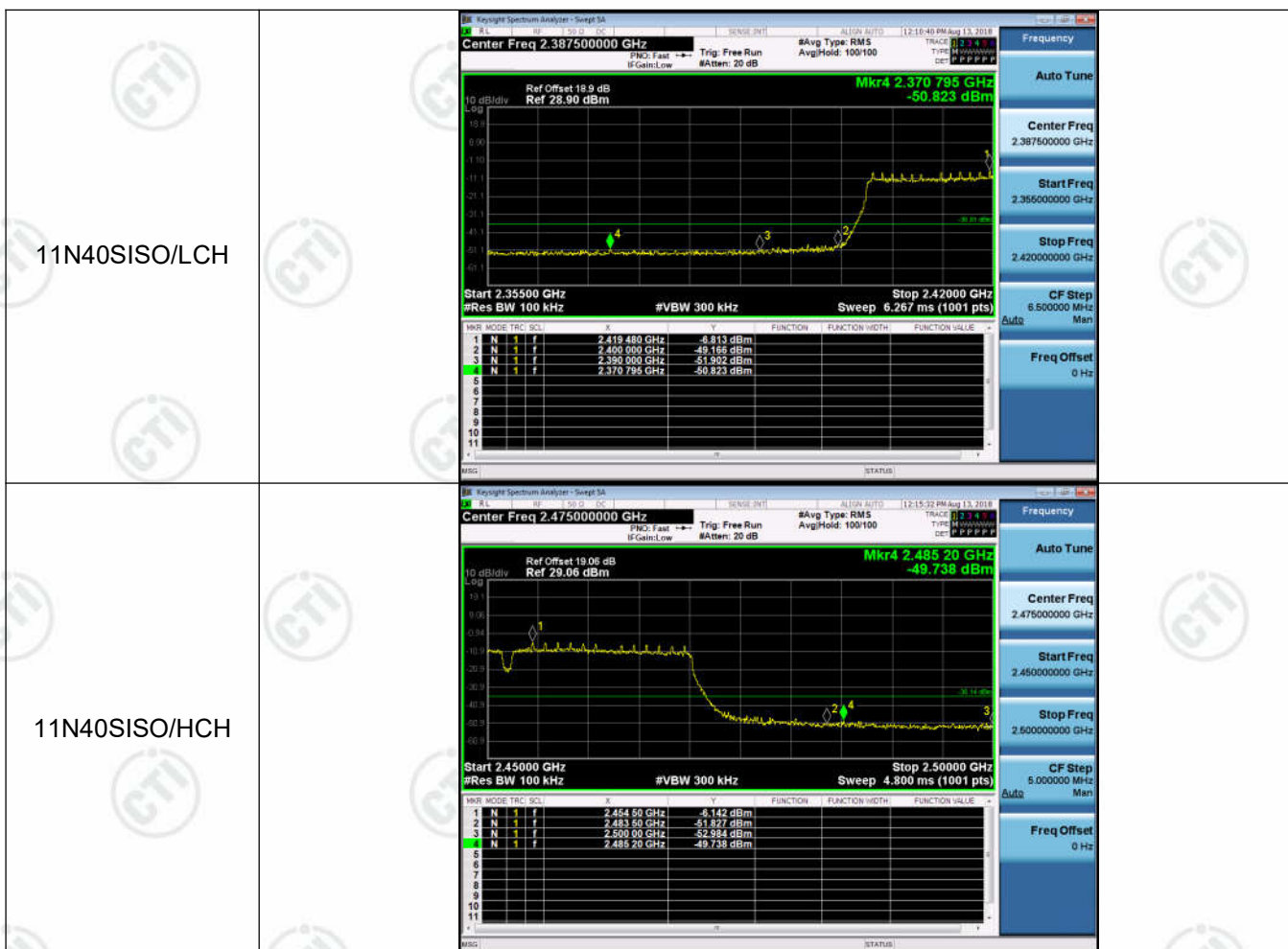
Appendix C) Band-edge for RF Conducted Emissions

Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.230	-50.800	-23.77	PASS
11B	HCH	6.258	-49.534	-23.74	PASS
11G	LCH	-1.836	-50.683	-31.84	PASS
11G	HCH	-1.464	-49.518	-31.46	PASS
11N20SISO	LCH	-3.483	-51.078	-33.48	PASS
11N20SISO	HCH	-3.294	-49.641	-33.29	PASS
11N40SISO	LCH	-6.813	-50.823	-36.81	PASS
11N40SISO	HCH	-6.142	-49.738	-36.14	PASS

Test Graph





Appendix D) RF Conducted Spurious Emissions

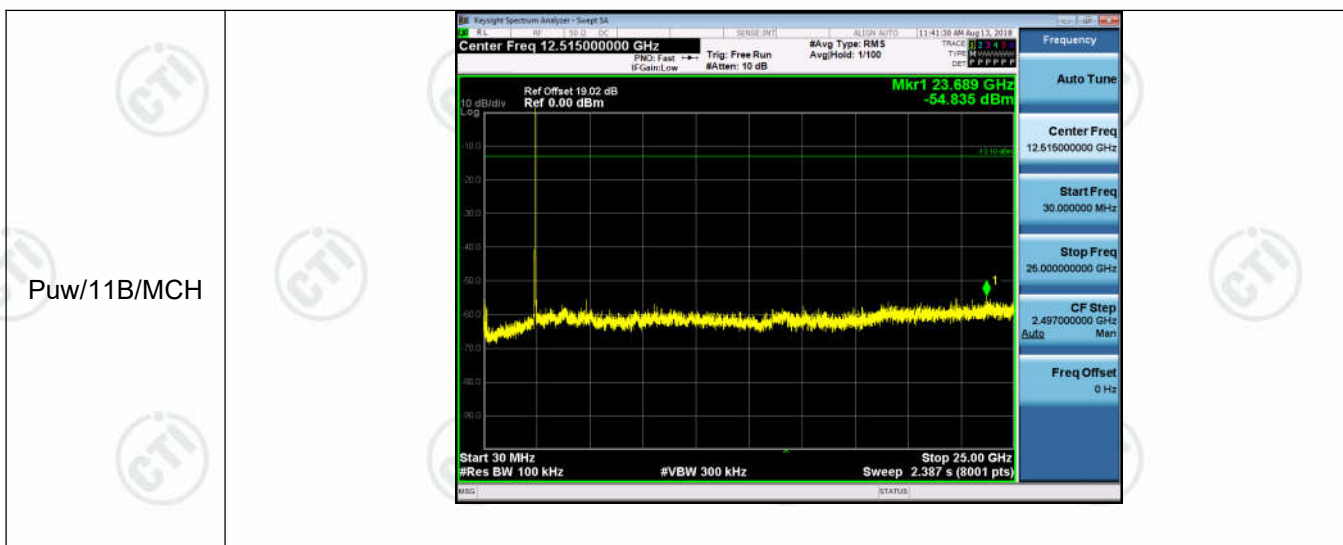
Result Table

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	6.494	<Limit	PASS
11B	MCH	6.9	<Limit	PASS
11B	HCH	6.077	<Limit	PASS
11G	LCH	-1.625	<Limit	PASS
11G	MCH	-1.217	<Limit	PASS
11G	HCH	-1.47	<Limit	PASS
11N20SISO	LCH	-3.473	<Limit	PASS
11N20SISO	MCH	-2.971	<Limit	PASS
11N20SISO	HCH	-3.328	<Limit	PASS
11N40SISO	LCH	-6.25	<Limit	PASS
11N40SISO	MCH	-6.412	<Limit	PASS
11N40SISO	HCH	-5.795	<Limit	PASS

Test Graph

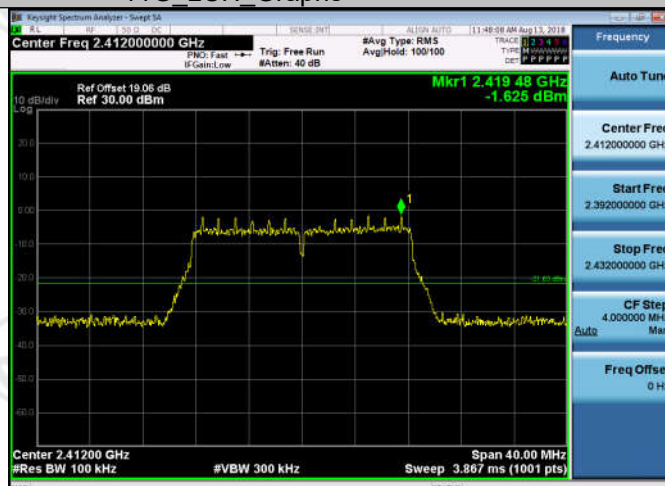
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Pref/11B/LCH	
Puw/11B/LCH	

11B_MCH_Graphs	
Pref/11B/MCH	

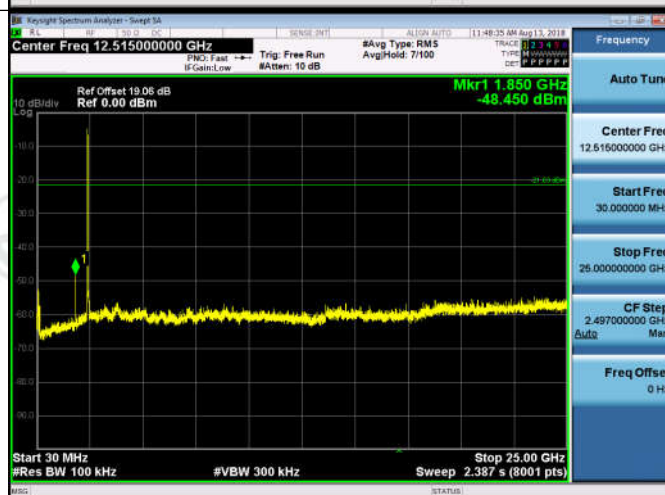


11G_LCH_Graphs

Pref/11G/LCH

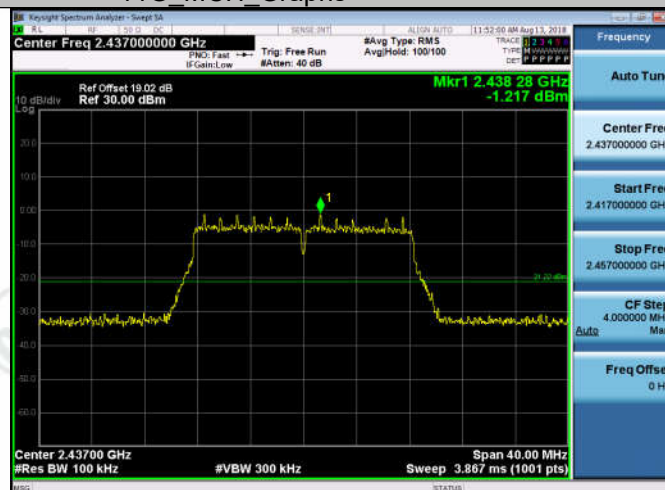


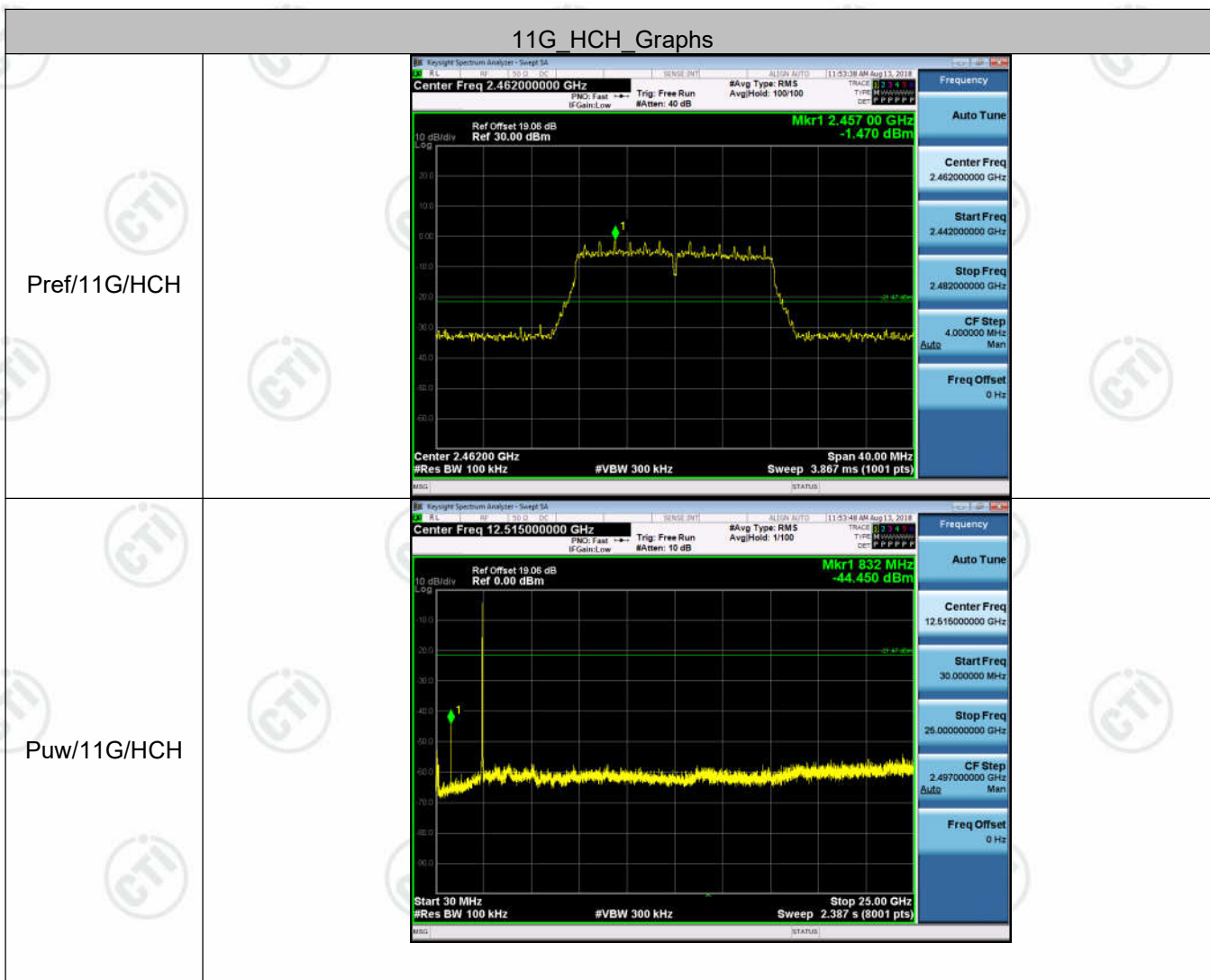
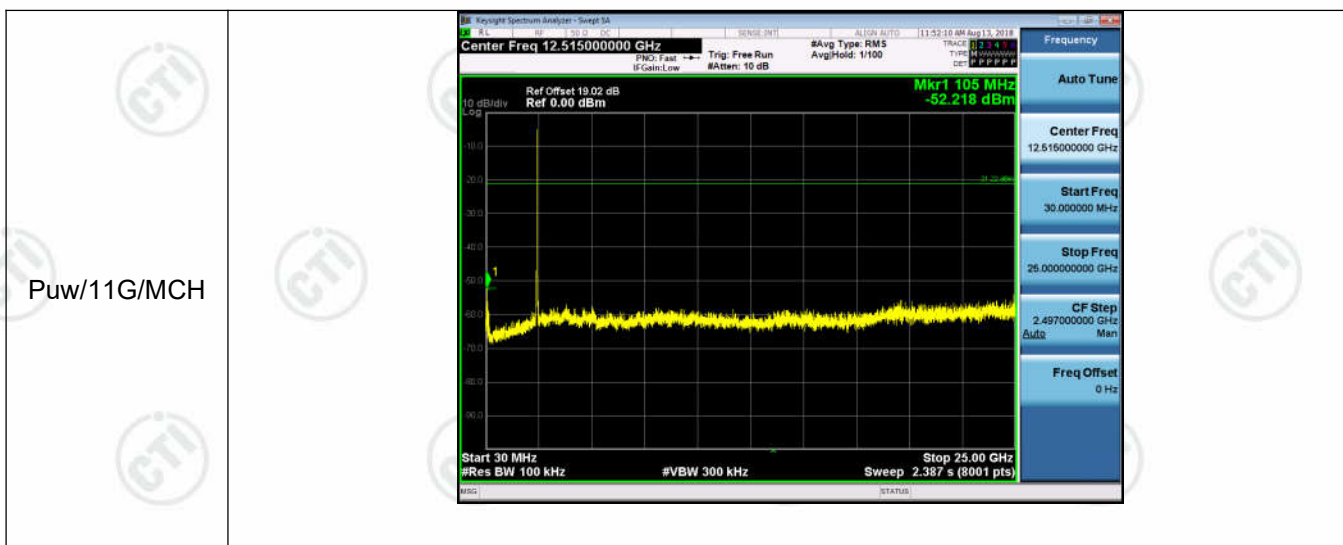
Puw/11G/LCH



11G_MCH_Graphs

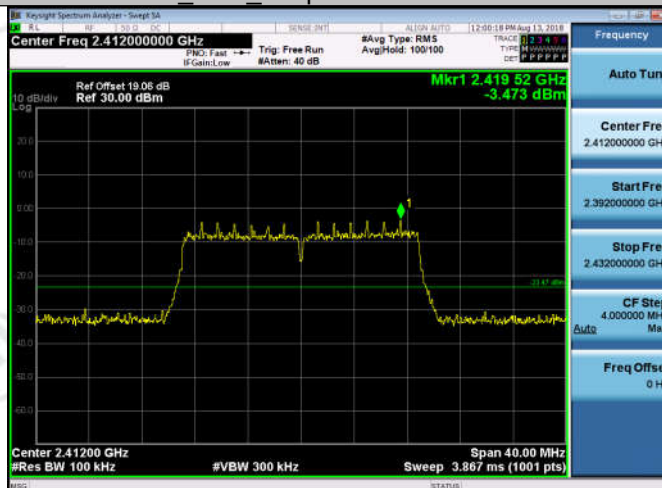
Pref/11G/MCH



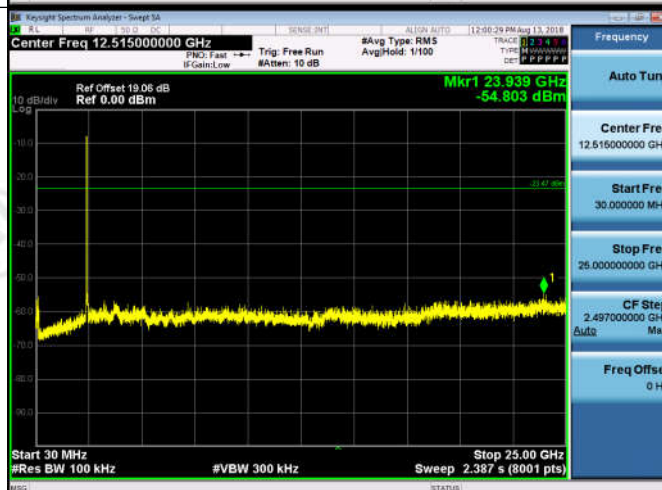


11N20SISO LCH Graphs

Pref/11N20SISO/LCH

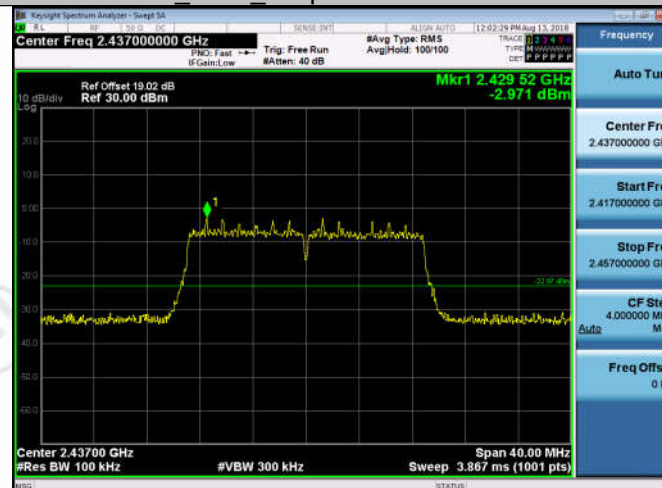


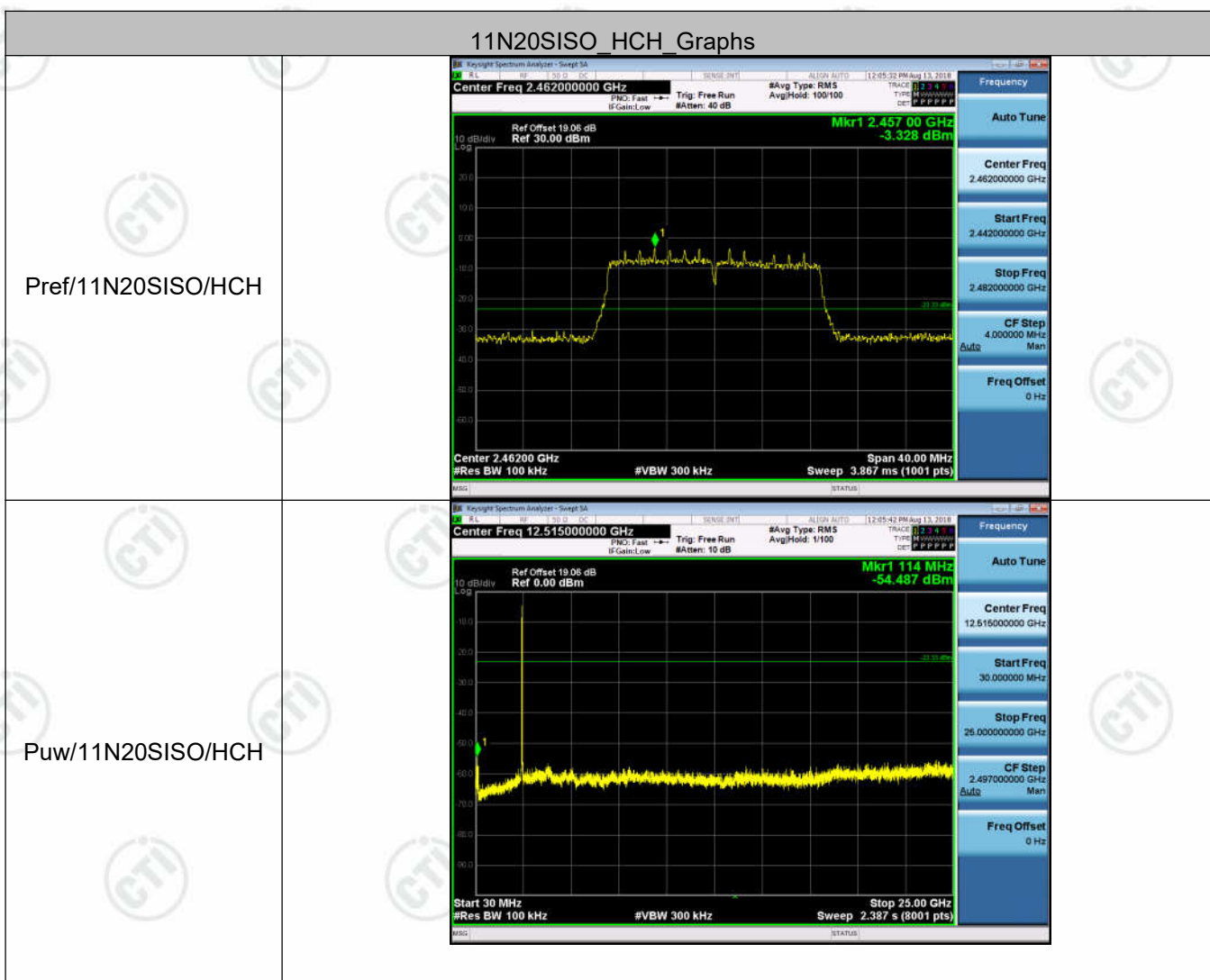
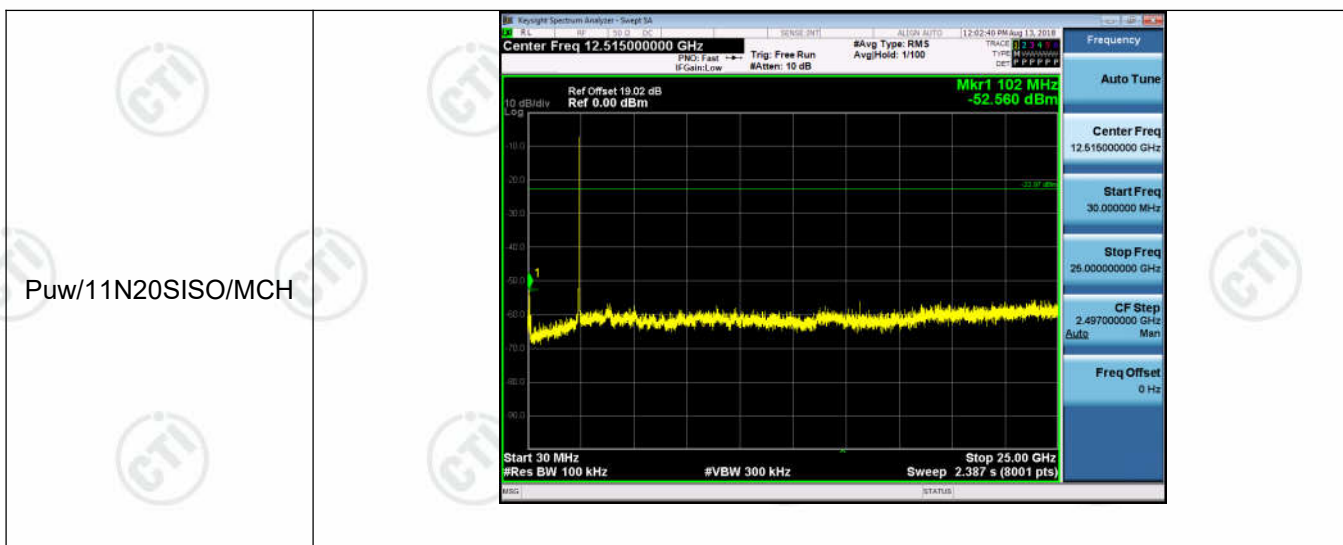
/11N20SISO/LCH



11N20SISO MCH Graphs

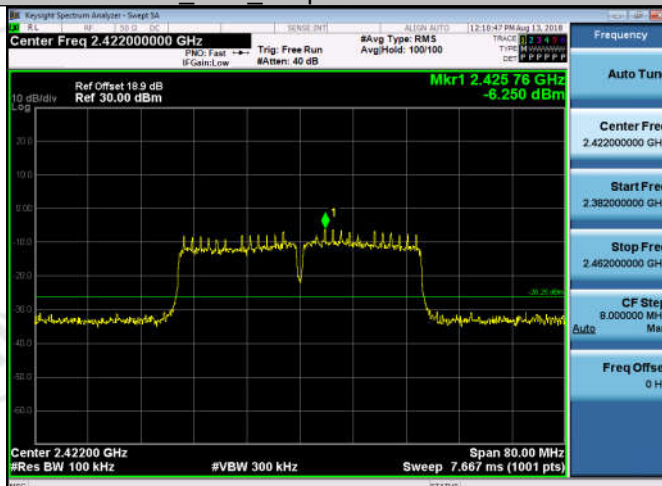
Pref/11N20SISO/MCH



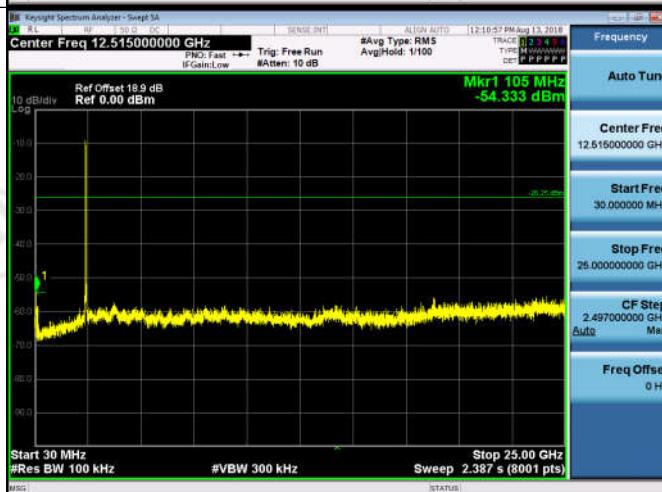


11N40SISO LCH Graphs

Pref/11N40SISO/LCH

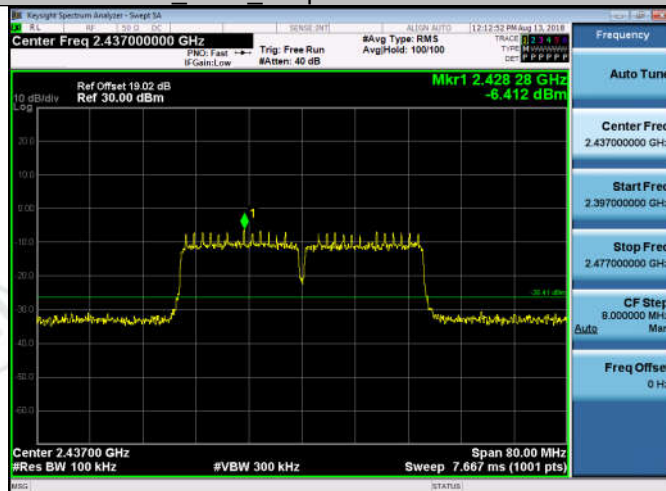


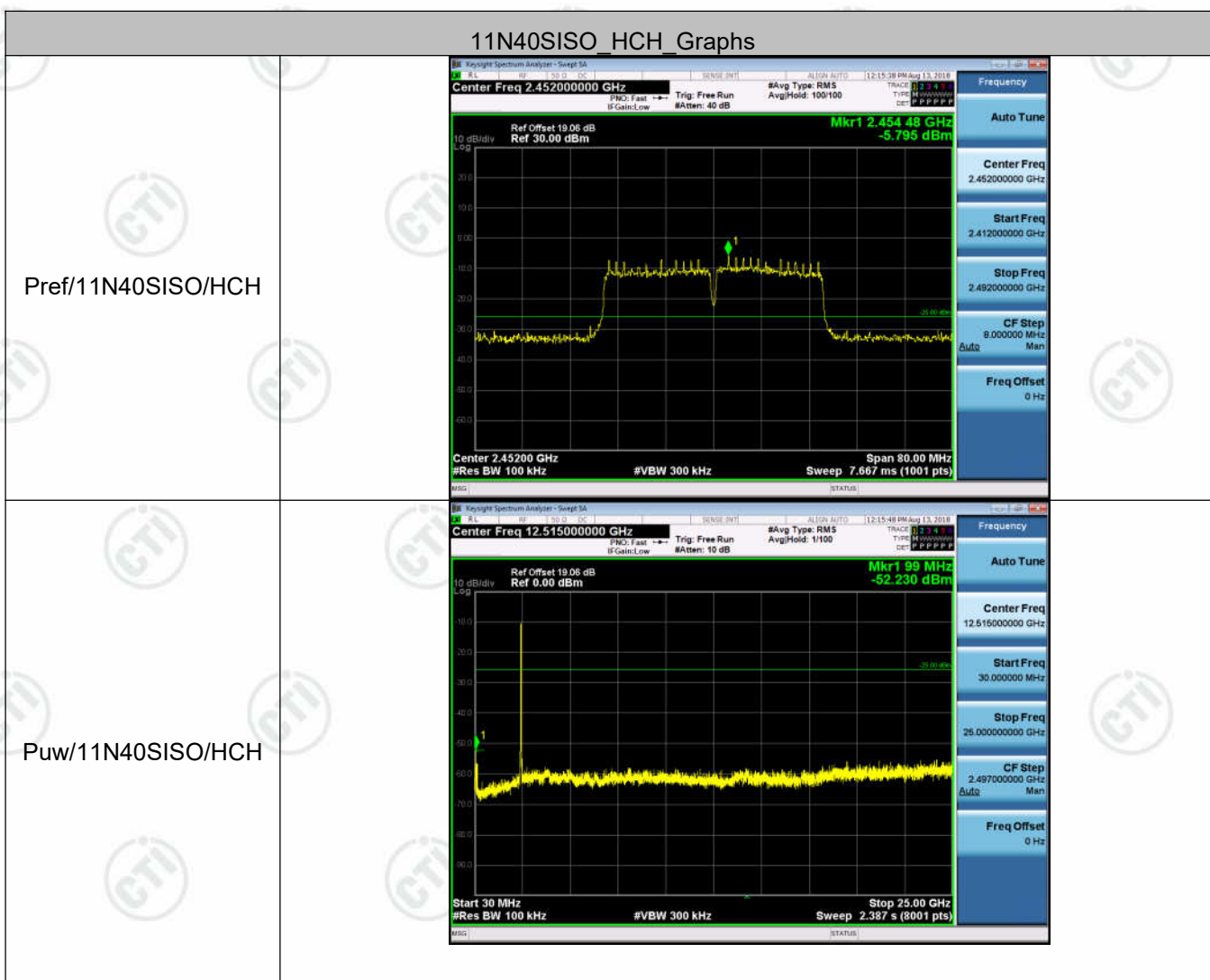
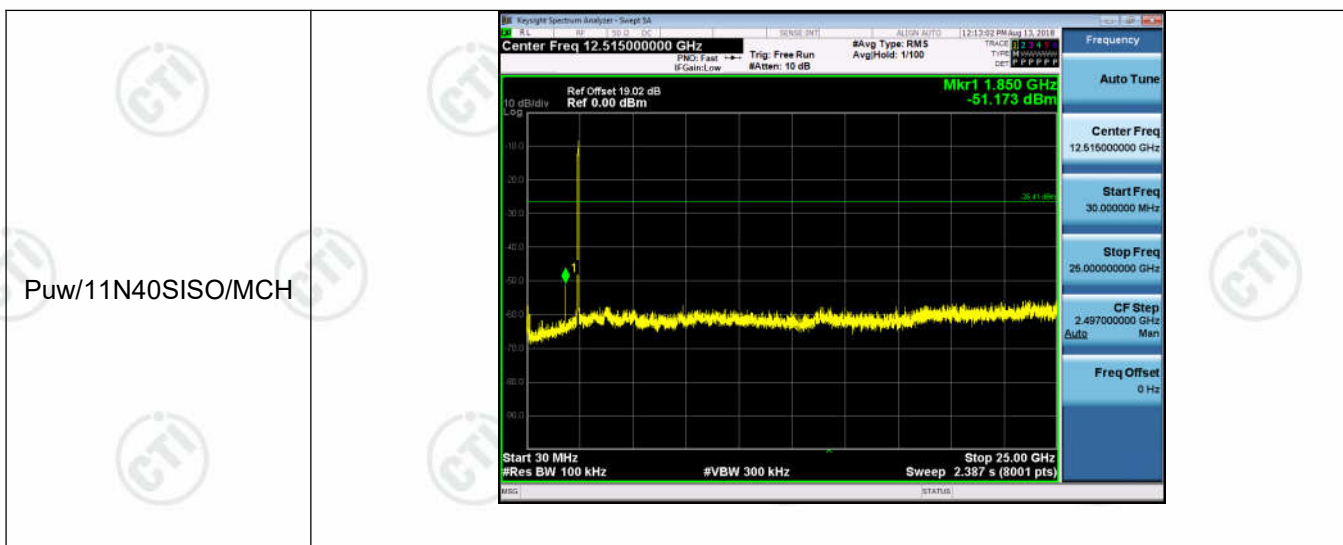
Puw/11N40SISO/LCH



11N40SISO MCH Graphs

Pref/11N40SISO/MCH





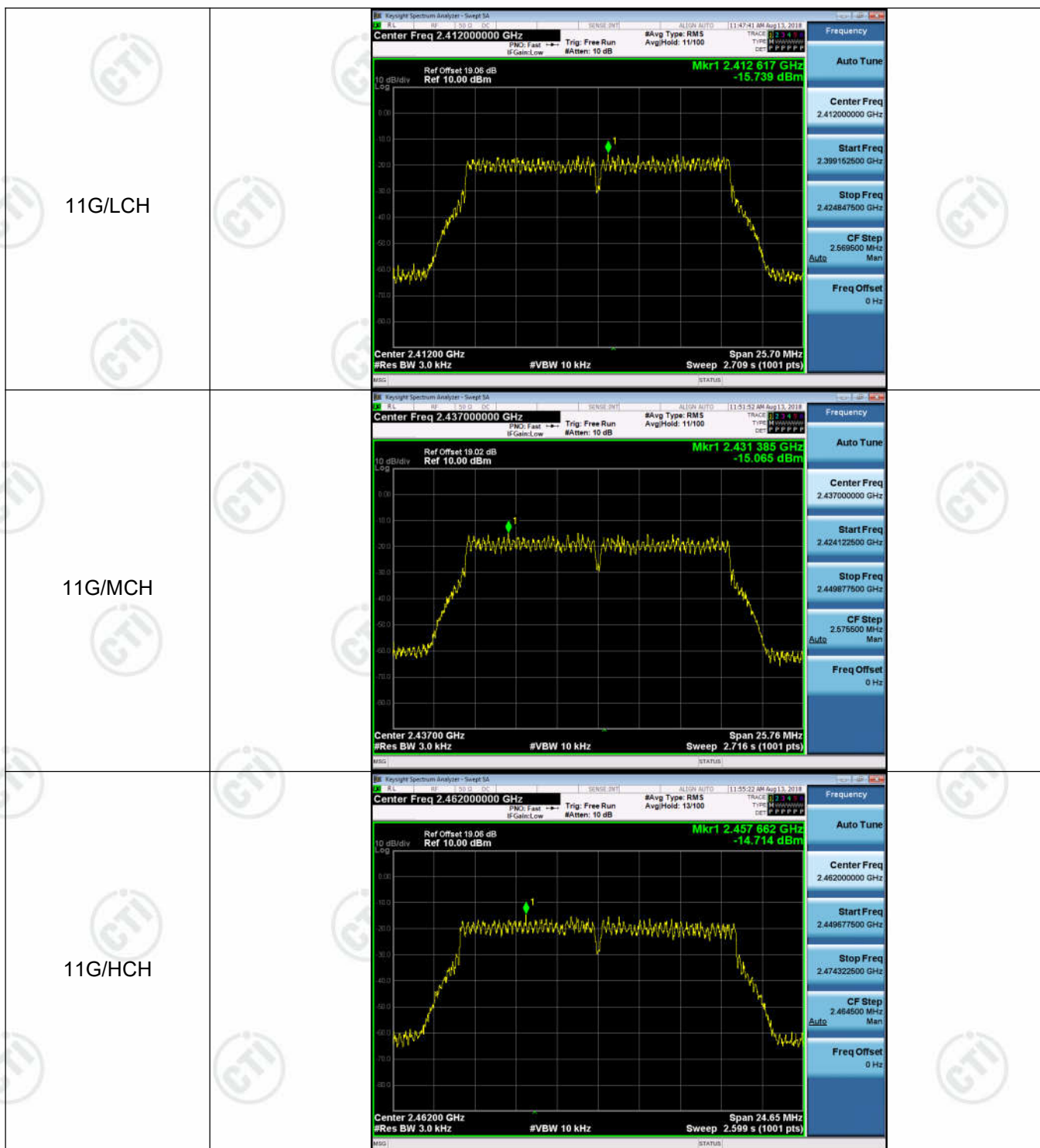
Appendix E) Power Spectral Density

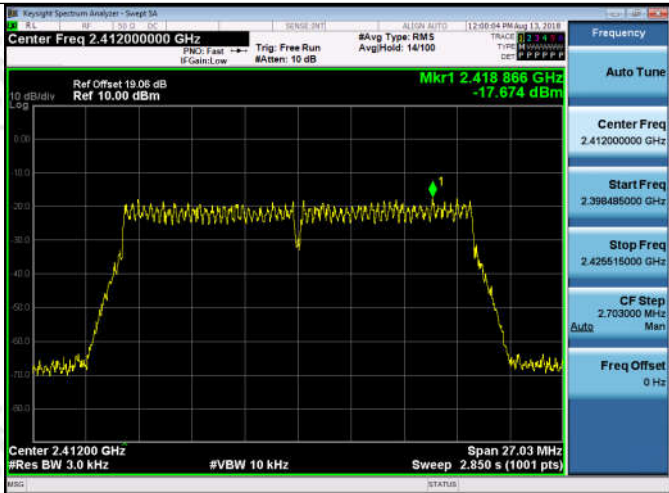
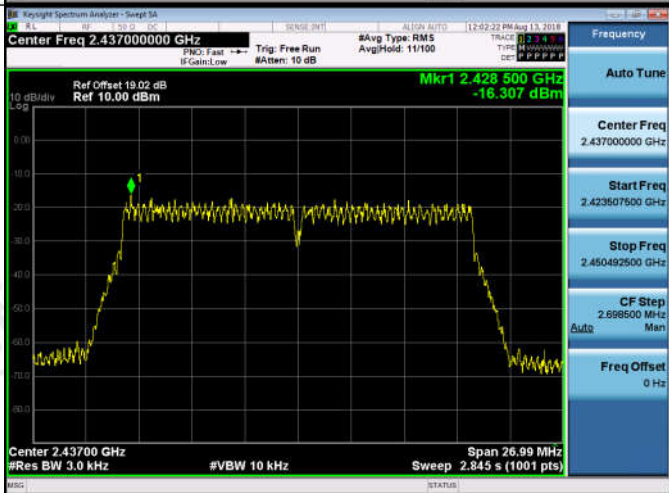
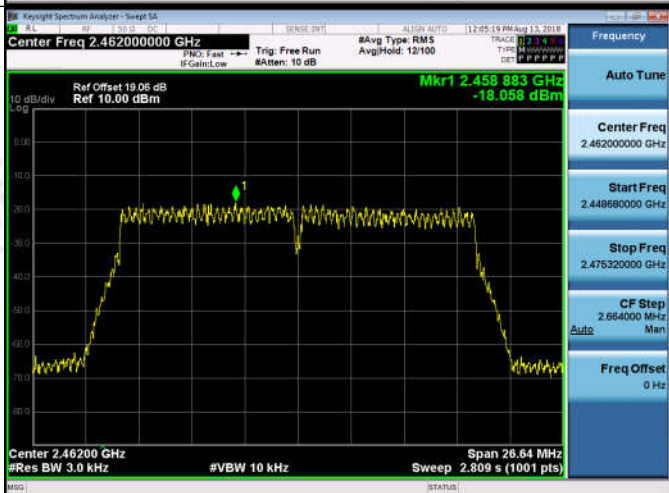
Result Table

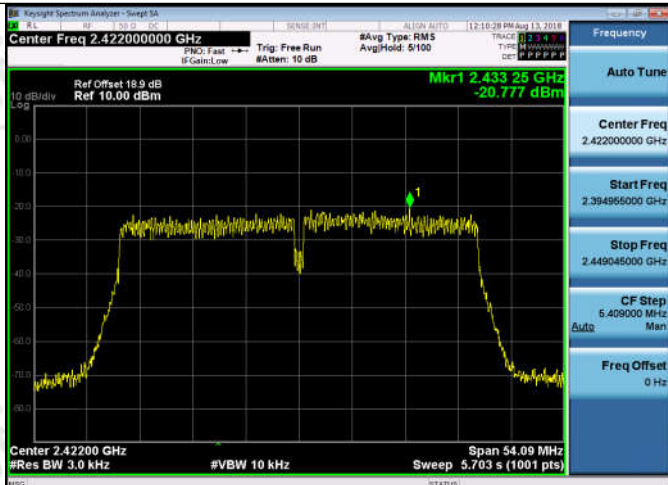
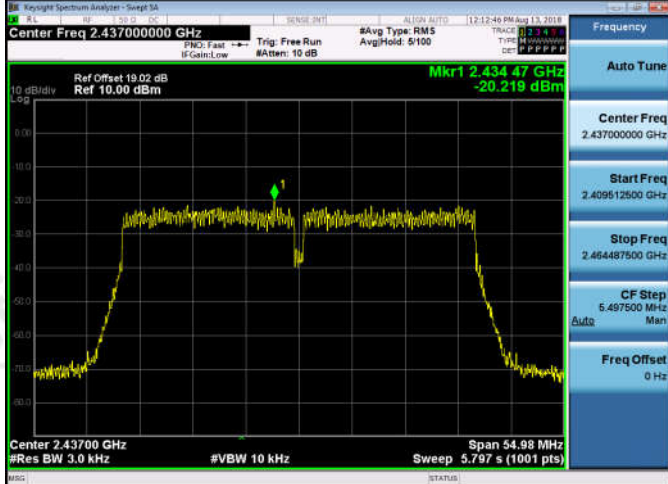
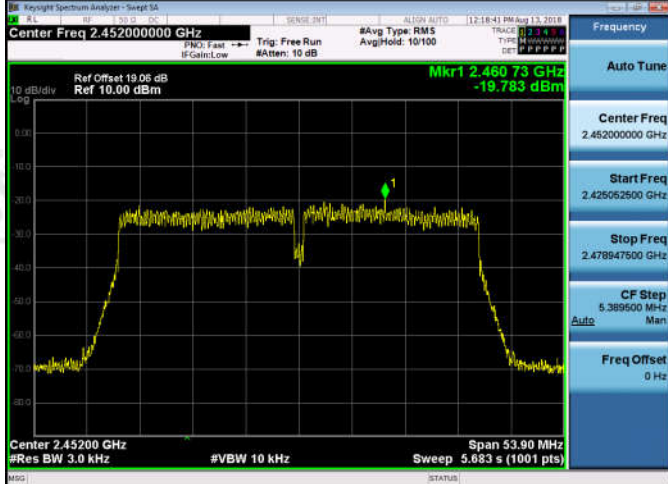
Mode	Channel	Power Spectral Density [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	LCH	-5.375	8	PASS
11B	MCH	-6.987	8	PASS
11B	HCH	-7.534	8	PASS
11G	LCH	-15.739	8	PASS
11G	MCH	-15.065	8	PASS
11G	HCH	-14.714	8	PASS
11N20SISO	LCH	-17.674	8	PASS
11N20SISO	MCH	-16.307	8	PASS
11N20SISO	HCH	-18.058	8	PASS
11N40SISO	LCH	-20.777	8	PASS
11N40SISO	MCH	-20.219	8	PASS
11N40SISO	HCH	-19.783	8	PASS

Test Graph

Graphs	
11B/LCH	Keygraph Spectrum Analyzer - Sweep SA Center Freq 2.41200000 GHz Ref Offset 19.06 dB Ref 10.00 dBm Mkr1 2.411 000 GHz -5.375 dBm Center 2.412000 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 1.551 s (1001 pts) Span 14.71 MHz
11B/MCH	Keygraph Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 19.02 dB Ref 10.00 dBm Mkr1 2.436 154 GHz -6.987 dBm Center 2.437000 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 1.539 s (1001 pts) Span 14.59 MHz
11B/HCH	Keygraph Spectrum Analyzer - Sweep SA Center Freq 2.46200000 GHz Ref Offset 19.06 dB Ref 10.00 dBm Mkr1 2.463 994 GHz -7.534 dBm Center 2.462000 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 1.513 s (1001 pts) Span 14.35 MHz



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

11N40SISO/LCH	 Keyight Spectrum Analyzer - Sweep SA Center Freq 2.42200000 GHz Ref Offset 19.9 dB Ref 10.00 dBm Mkr1 2.43325 GHz -20.777 dBm Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 54.09 MHz Sweep 5.703 s (1001 pts) Frequency Auto Tune Center Freq 2.42200000 GHz Start Freq 2.39496000 GHz Stop Freq 2.44904000 GHz CF Step 5.40900 MHz Auto Freq Offset 0 Hz
11N40SISO/MCH	 Keyight Spectrum Analyzer - Sweep SA Center Freq 2.43700000 GHz Ref Offset 19.02 dB Ref 10.00 dBm Mkr1 2.43447 GHz -20.219 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 54.98 MHz Sweep 5.797 s (1001 pts) Frequency Auto Tune Center Freq 2.43700000 GHz Start Freq 2.409612500 GHz Stop Freq 2.464487500 GHz CF Step 5.497500 MHz Auto Freq Offset 0 Hz
11N40SISO/HCH	 Keyight Spectrum Analyzer - Sweep SA Center Freq 2.45200000 GHz Ref Offset 19.06 dB Ref 10.00 dBm Mkr1 2.46073 GHz -19.783 dBm Center 2.45200 GHz #Res BW 3.0 kHz #VBW 10 kHz Span 53.90 MHz Sweep 5.683 s (1001 pts) Frequency Auto Tune Center Freq 2.45200000 GHz Start Freq 2.425062500 GHz Stop Freq 2.478947500 GHz CF Step 5.389500 MHz Auto Freq Offset 0 Hz

Appendix F) Antenna Requirement

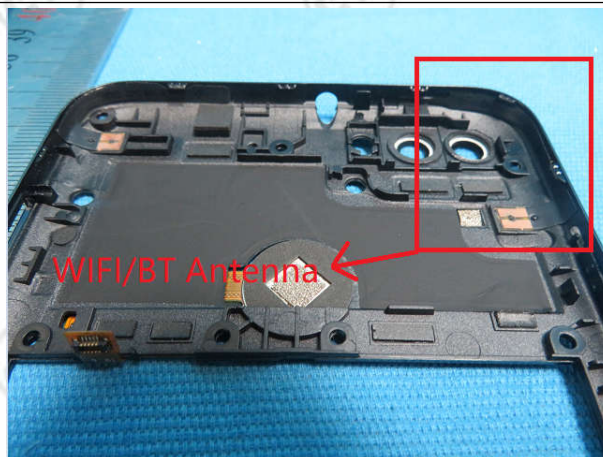
15.203 requirement:

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 -3dBi.

Appendix G) AC Power Line Conducted Emission

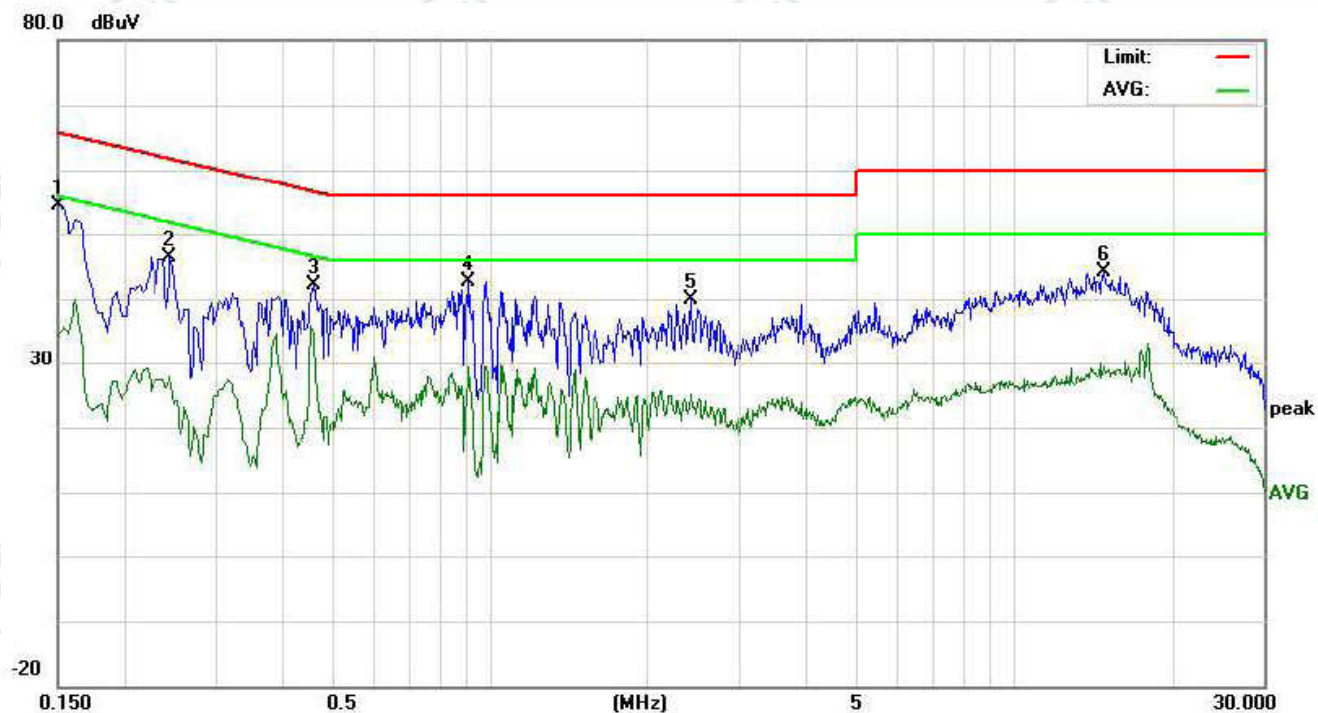
Test Procedure:	Test frequency range :150KHz-30MHz 1)The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. 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:	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th><th colspan="2">Limit (dBμV)</th></tr> <tr> <th>Quasi-peak</th><th>Average</th></tr> </thead> <tbody> <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> </tbody> </table> * 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		Frequency range (MHz)	Limit (dB μ V)		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 (dB μ V)															
	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.

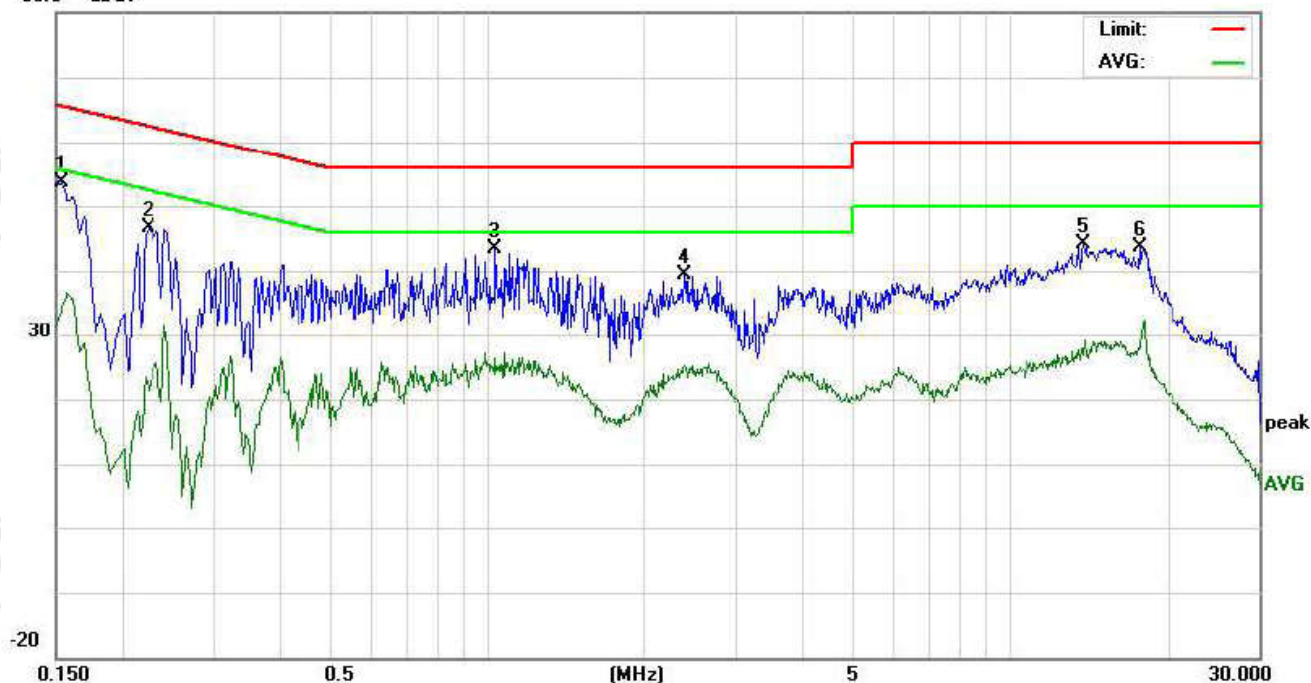
Live line:



No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.1500	44.58	41.32	24.61	9.77	54.35	51.09	34.38	65.99	55.99	-14.90	-21.61	P	
2	0.2460	36.75	33.68	18.09	9.74	46.49	43.42	27.83	61.89	51.89	-18.47	-24.06	P	
3	0.4620	32.33	29.38	25.08	9.73	42.06	39.11	34.81	56.66	46.66	-17.55	-11.85	P	
4	0.9140	32.79	29.74	19.53	9.75	42.54	39.49	29.28	56.00	46.00	-16.51	-16.72	P	
5	2.4300	30.22	27.63	15.37	9.71	39.93	37.34	25.08	56.00	46.00	-18.66	-20.92	P	
6	14.8540	34.00	31.24	19.26	10.00	44.00	41.24	29.26	60.00	50.00	-18.76	-20.74	P	

Neutral line:

80.0 dBuV



No.	Freq. MHz	Reading_Level (dBuV)			Correct Factor dB	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG		peak	QP	AVG	QP	AVG	QP	AVG		
1	0.1539	43.82	40.15	24.56	9.76	53.58	49.91	34.32	65.78	55.78	-15.87	-21.46	P	
2	0.2260	36.95	33.25	11.72	9.73	46.68	42.98	21.45	62.59	52.59	-19.61	-31.14	P	
3	1.0380	33.75	30.31	16.61	9.72	43.47	40.03	26.33	56.00	46.00	-15.97	-19.67	P	
4	2.3940	29.71	26.98	15.36	9.71	39.42	36.69	25.07	56.00	46.00	-19.31	-20.93	P	
5	13.9140	34.20	31.42	16.90	9.96	44.16	41.38	26.86	60.00	50.00	-18.62	-23.14	P	
6	17.7460	33.71	30.22	17.91	10.04	43.75	40.26	27.95	60.00	50.00	-19.74	-22.05	P	

Notes:

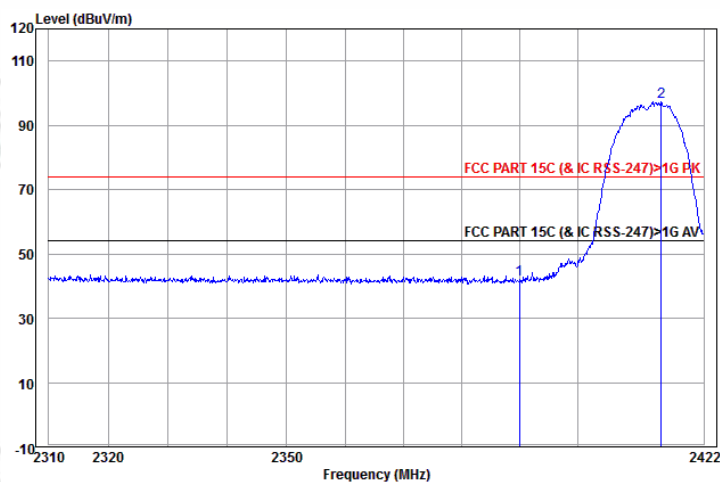
1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

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: 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. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. 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. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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: 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). Test the EUT in the lowest channel , the Highest channel 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. 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	

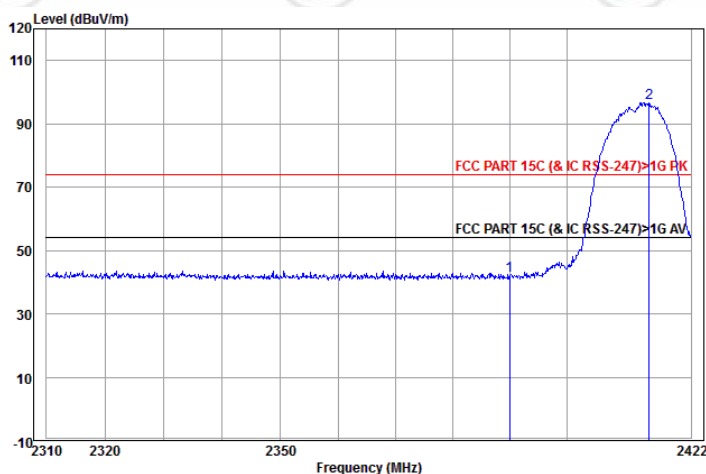
Test plot as follows:

Worse case mode:	802.11b (11Mbps)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



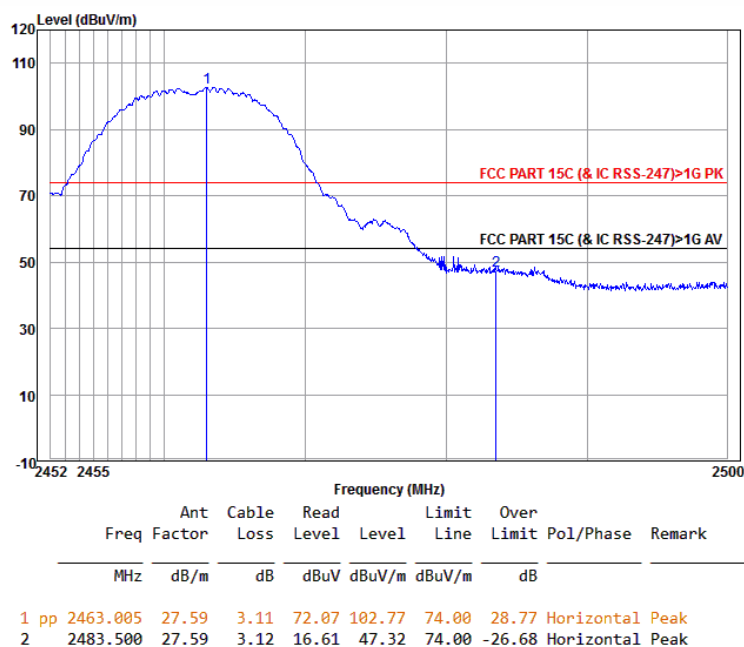
	Ant Freq	Cable Factor	Read Loss	Level	Level	Limit	Over	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	11.46	42.17	74.00	-31.83	Horizontal	Peak
2 pp	2414.558	27.61	3.08	66.51	97.20	74.00	23.20	Horizontal	Peak

Worse case mode:	802.11b (11Mbps)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak

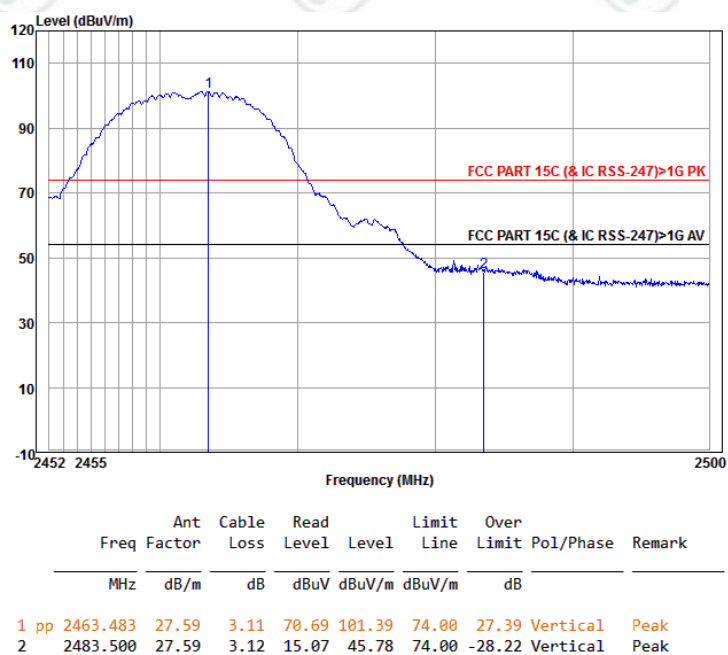


	Ant Freq	Cable Factor	Read Loss	Level	Level	Limit	Over	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	11.21	41.92	74.00	-32.08	Vertical	Peak
2 pp	2414.558	27.61	3.08	65.86	96.55	74.00	22.55	Vertical	Peak

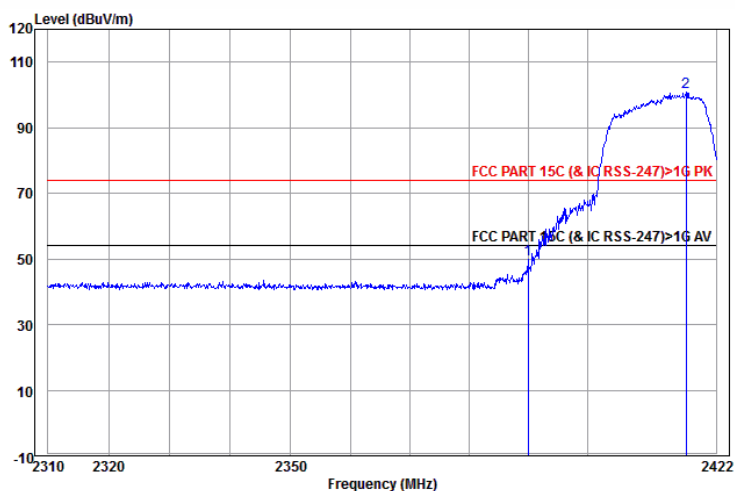
Worse case mode:	802.11b (11Mbps)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



Worse case mode:	802.11b (11Mbps)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak

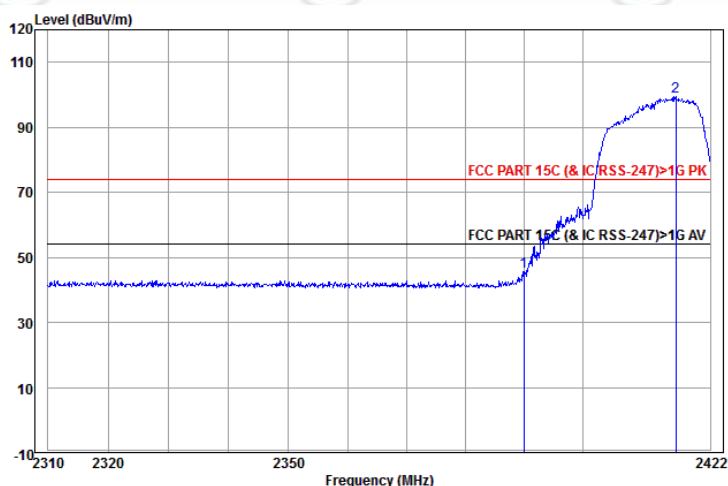


Worse case mode:	802.11g (6Mbps)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



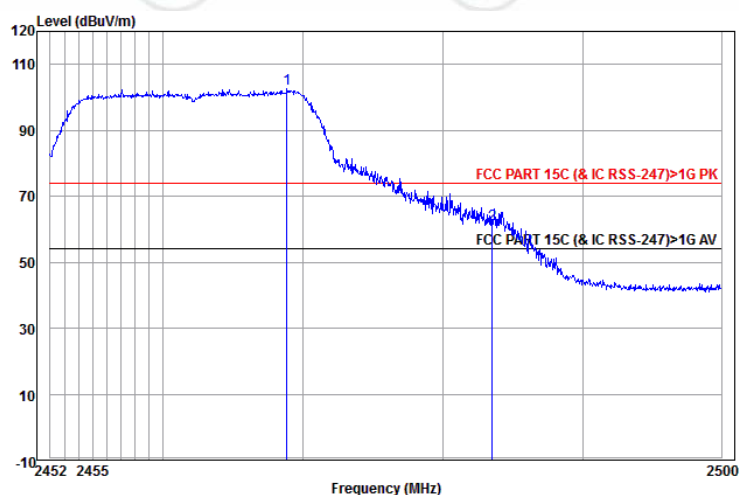
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	19.23	49.94	74.00	-24.06	Horizontal	Peak
2 pp	2416.845	27.61	3.08	70.16	100.85	74.00	26.85	Horizontal	Peak

Worse case mode:	802.11g (6Mbps)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



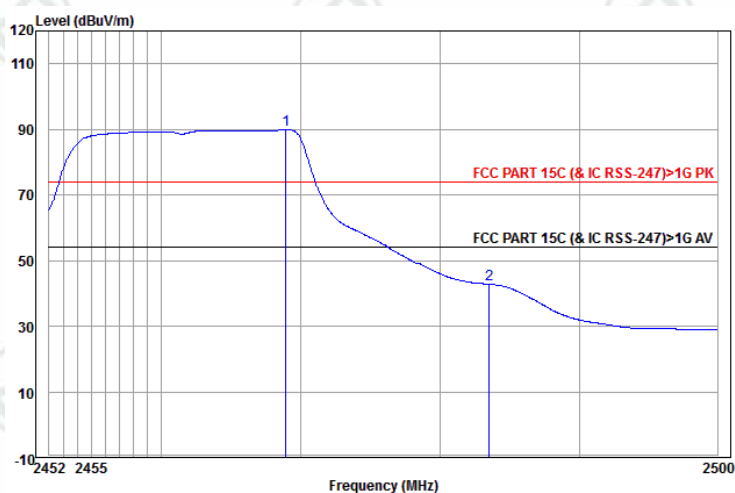
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	14.74	45.45	74.00	-28.55	Vertical	Peak
2 pp	2416.044	27.61	3.08	68.77	99.46	74.00	25.46	Vertical	Peak

Worse case mode:	802.11g (6Mbps)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



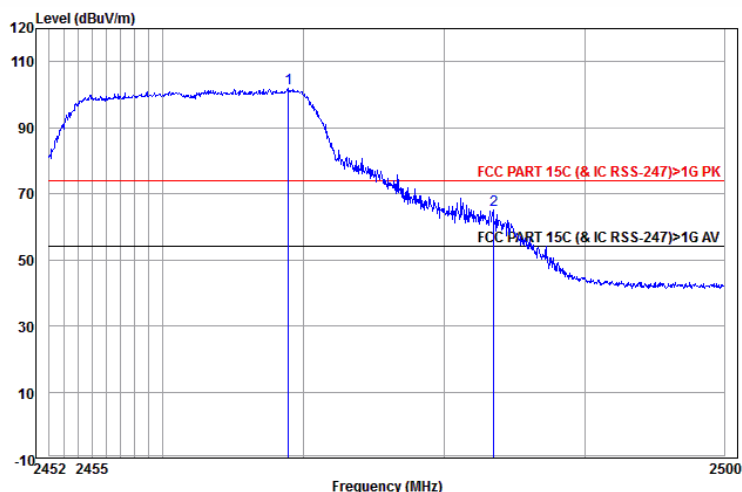
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2468.838	27.59	3.11	71.83	102.53	74.00	28.53	Horizontal	Peak
2	2483.500	27.59	3.12	30.93	61.64	74.00	-12.36	Horizontal	Peak

Worse case mode:	802.11g (6Mbps)		
	Test channel: Highest	Polarization: Horizontal	Remark: Average



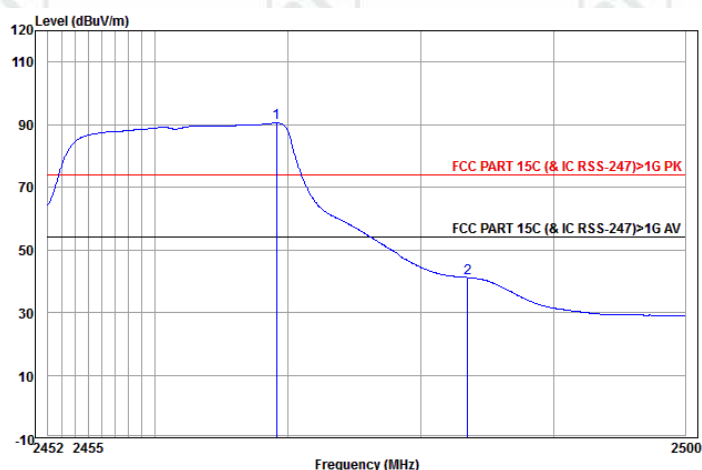
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2468.886	27.59	3.11	59.09	89.79	54.00	35.79	Horizontal	Average
2	2483.500	27.59	3.12	12.09	42.80	54.00	-11.20	Horizontal	Average

Worse case mode:	802.11g (6Mbps)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak



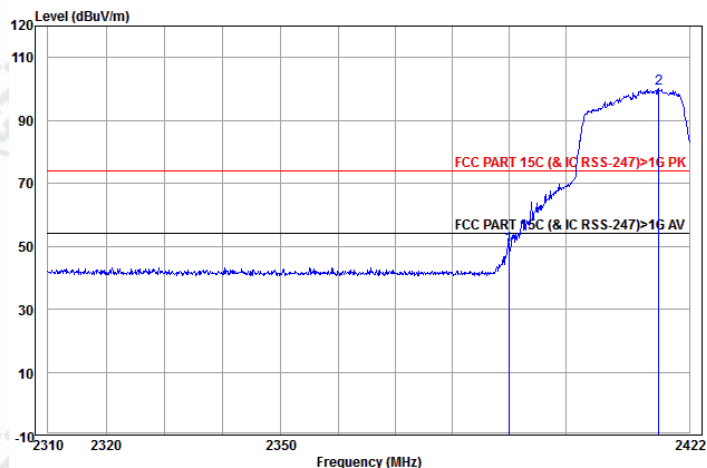
	Ant Freq	Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2468.886	27.59	3.11	71.18	101.88	74.00	27.88	Vertical	Peak
2	2483.500	27.59	3.12	34.51	65.22	74.00	-8.78	Vertical	Peak

Worse case mode:	802.11g (6Mbps)		
	Test channel: Highest	Polarization: Vertical	Remark: Average



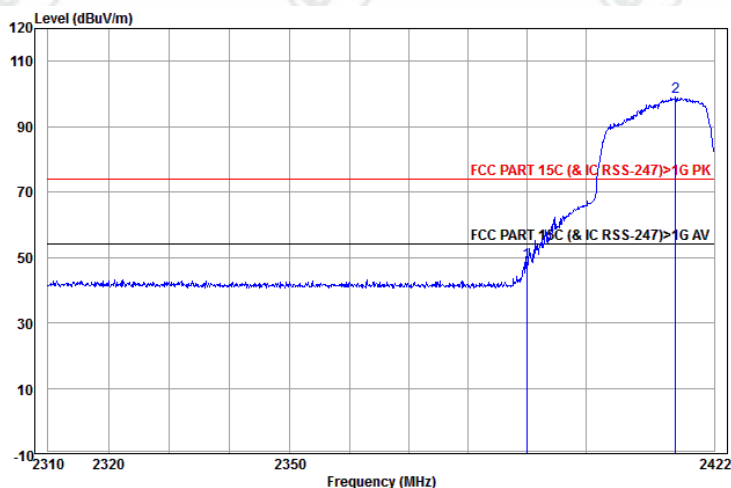
	Ant Freq	Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2469.125	27.59	3.11	59.79	90.49	54.00	36.49	Vertical	Average
2	2483.500	27.59	3.12	10.47	41.18	54.00	-12.82	Vertical	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



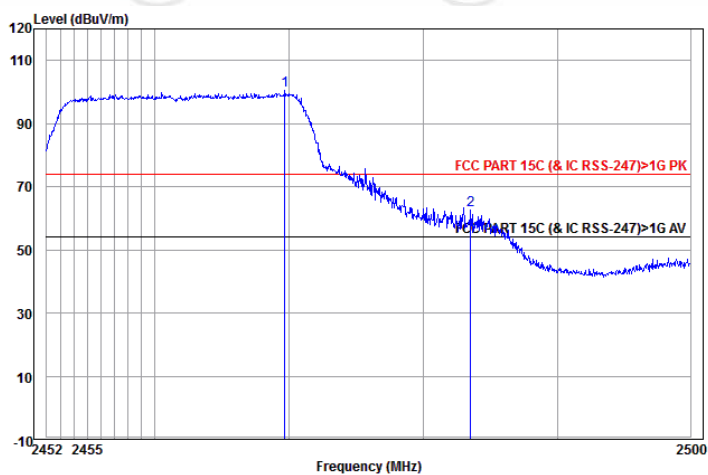
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	19.62	50.33	74.00	-23.67	Horizontal	Peak
2 pp	2416.616	27.61	3.08	69.51	100.20	74.00	26.20	Horizontal	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



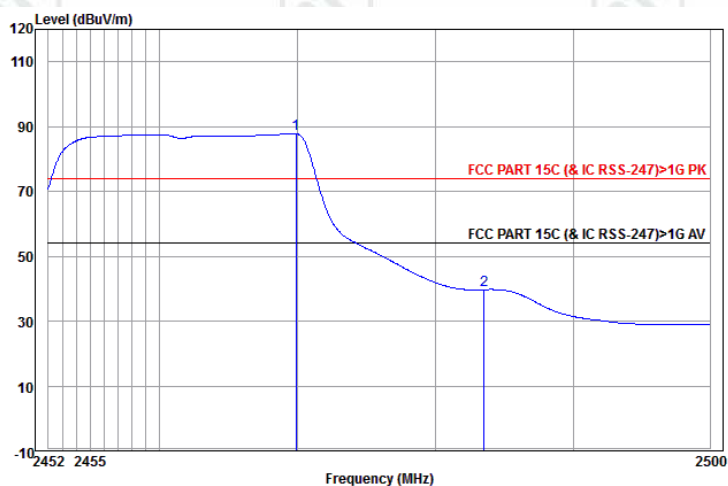
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	17.67	48.38	74.00	-25.62	Vertical	Peak
2 pp	2415.358	27.61	3.08	68.51	99.20	74.00	25.20	Vertical	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
	Test channel: Highest	Polarization: Horizontal	Remark: Peak



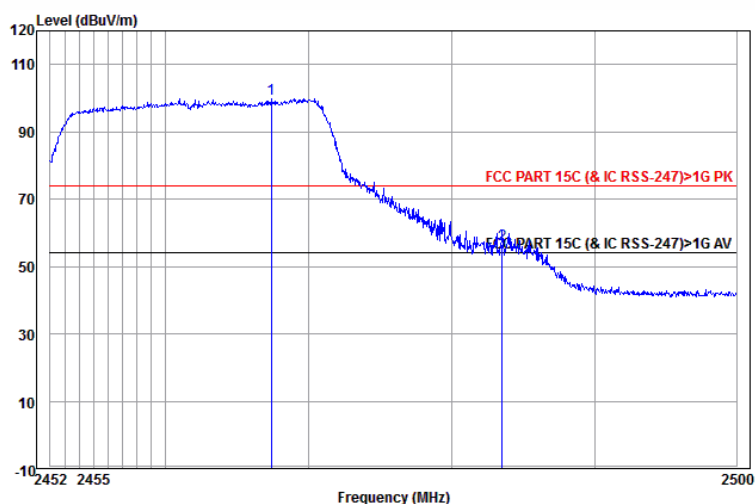
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2469.652	27.59	3.11	69.70	100.40	74.00	26.40	Horizontal	Peak
2	2483.500	27.59	3.12	31.86	62.57	74.00	-11.43	Horizontal	Peak

Worse case mode: Frequency: 2483.5MHz	802.11n(HT20) (6.5Mbps)		
	Test channel: Highest	Polarization: Horizontal	Remark: Average



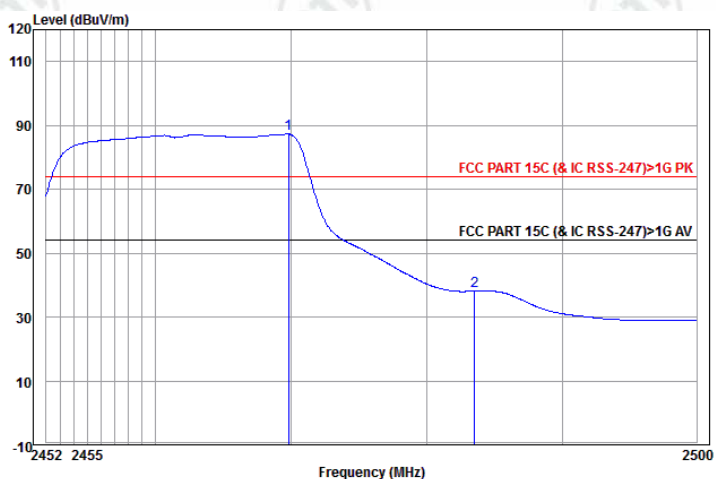
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2469.843	27.59	3.11	57.21	87.91	54.00	33.91	Horizontal	Average
2	2483.527	27.59	3.12	9.02	39.73	54.00	-14.27	Horizontal	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
	Test channel: Highest	Polarization: Vertical	Remark: Peak



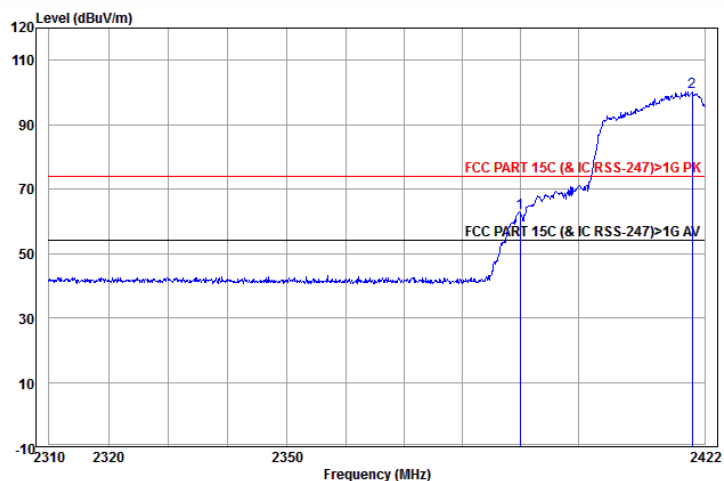
	Ant Freq	Cable Factor	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dB		
1 pp	2467.354	27.59	3.11	69.17	99.87	74.00	25.87	Vertical Peak
2	2483.500	27.59	3.12	25.83	56.54	74.00	-17.46	Vertical Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
	Test channel: Highest	Polarization: Vertical	Remark: Average



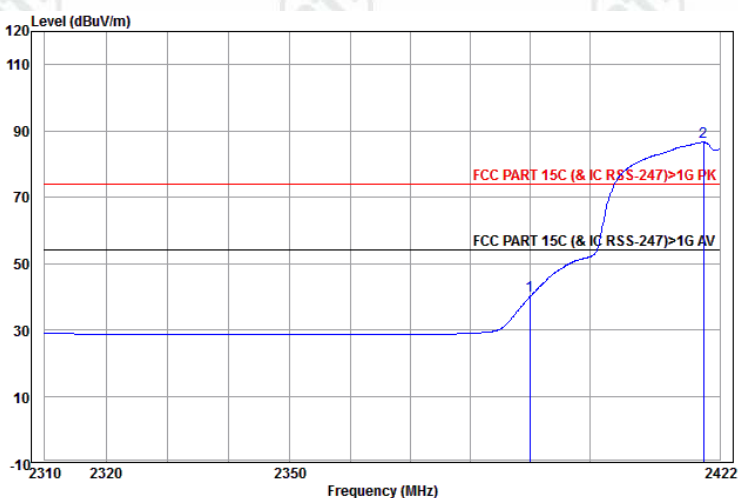
	Ant Freq	Cable Factor	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dB		
1 pp	2469.795	27.59	3.11	56.58	87.28	54.00	33.28	Vertical Average
2	2483.500	27.59	3.12	7.35	38.06	54.00	-15.94	Vertical Average

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



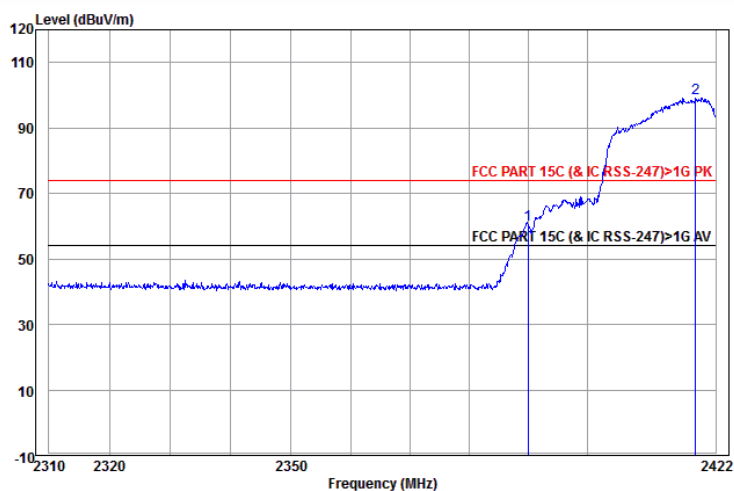
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	31.99	62.70	74.00	-11.30	Horizontal	Peak
2 pp	2419.822	27.61	3.08	69.60	100.29	74.00	26.29	Horizontal	Peak

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel: Lowest	Polarization: Horizontal	Remark: Average



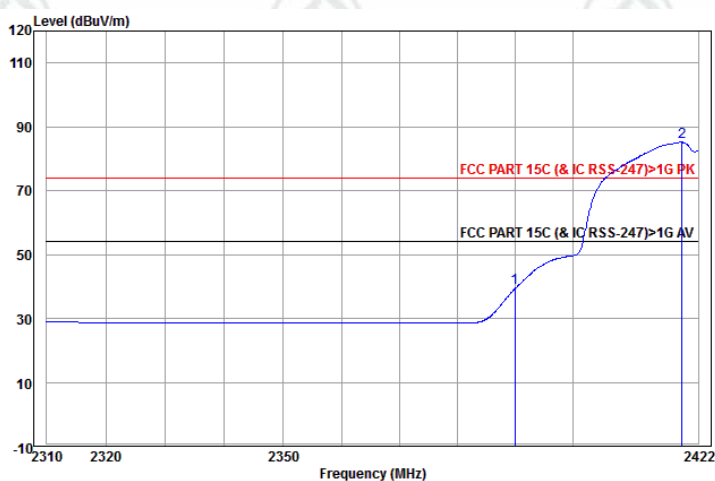
	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	9.75	40.46	54.00	-13.54	Horizontal	Average
2 pp	2419.250	27.61	3.08	55.92	86.61	54.00	32.61	Horizontal	Average

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel: Lowest	Polarization: Vertical	Remark: Peak



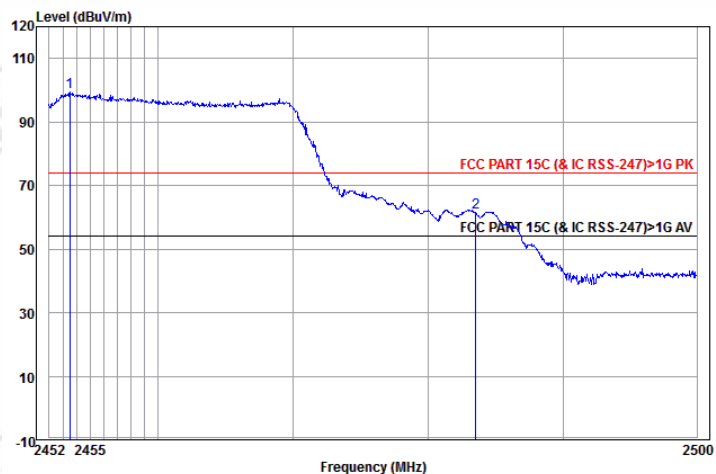
	Ant Freq	Cable Factor	Read Loss	Level	Level	Limit	Over	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	29.87	60.58	74.00	-13.42	Vertical	Peak
2 pp	2418.562	27.61	3.08	68.57	99.26	74.00	25.26	Vertical	Peak

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel: Lowest	Polarization: Vertical	Remark: Average



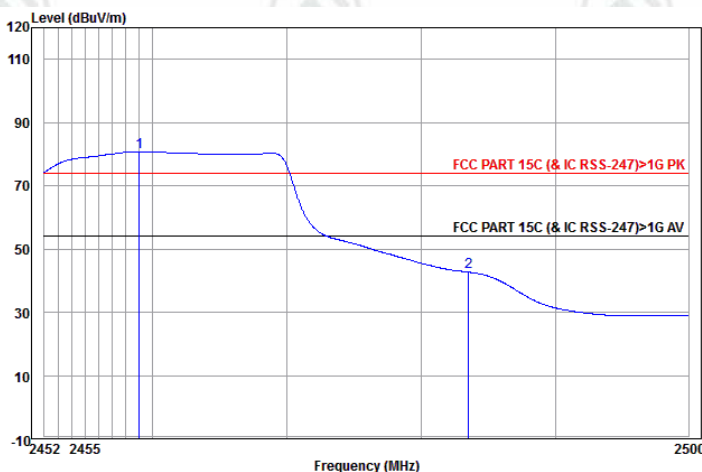
	Ant Freq	Cable Factor	Read Loss	Level	Level	Limit	Over	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	27.64	3.07	9.05	39.76	54.00	-14.24	Vertical	Average
2 pp	2419.135	27.61	3.08	54.45	85.14	54.00	31.14	Vertical	Average

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel:Highest	Polarization: Horizontal	Remark: Peak



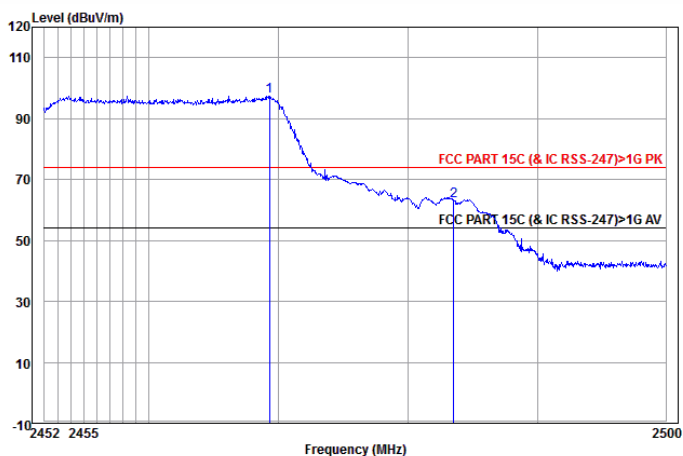
	Ant Freq	Cable Factor	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 2453.522	27.60	3.10	68.80	99.50	74.00	25.50	Horizontal Peak
2	2483.500	27.59	3.12	30.84	61.55	74.00	-12.45	Horizontal Peak

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel:Highest	Polarization: Horizontal	Remark: Average



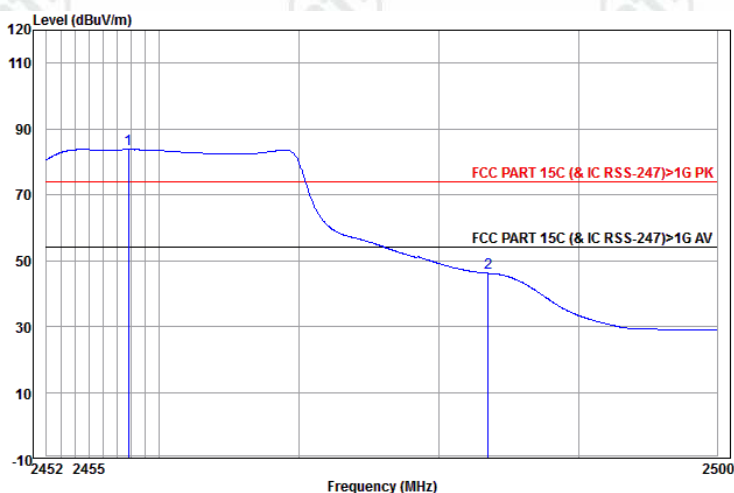
	Ant Freq	Cable Factor	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 2458.998	27.60	3.10	49.98	80.68	54.00	26.68	Horizontal Average
2	2483.500	27.59	3.12	11.97	42.68	54.00	-11.32	Horizontal Average

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel:Highest	Polarization: Vertical	Remark: Peak



	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz		dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2469.269	27.59	3.11	66.72	97.42	74.00	23.42	Vertical	Peak
2	2483.500	27.59	3.12	32.14	62.85	74.00	-11.15	Vertical	Peak

Worse case mode:	802.11n(HT40) (13.5Mbps)		
	Test channel:Highest	Polarization: Vertical	Remark: Average



	Ant Freq	Cable Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz		dB	dBuV	dBuV/m	dBuV/m	dB		
1	pp 2457.806	27.60	3.10	53.10	83.80	54.00	29.80	Vertical	Average
2	2483.500	27.59	3.12	15.44	46.15	54.00	-7.85	Vertical	Average

Note:

1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 11Mbps 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) ; 13.5Mbps of rate is the worst case of 802.11n(HT40),and then Only the worst case is recorded in the report.

2) 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 I) Radiated Spurious Emissions

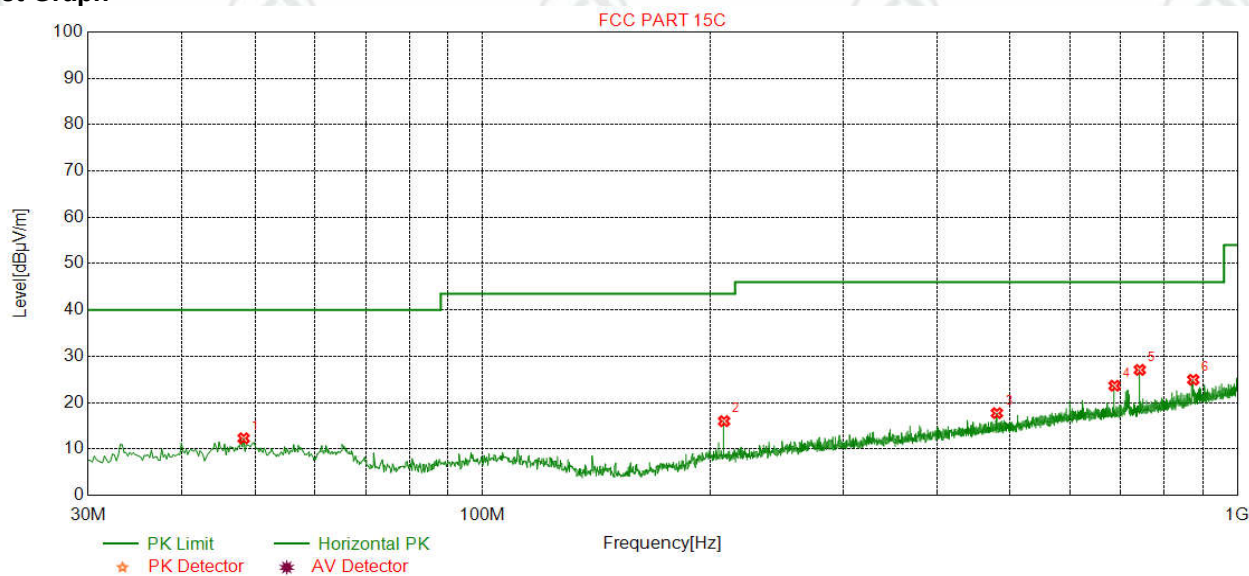
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	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:					
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. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 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. 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 rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 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:					
Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).. Test the EUT in the lowest channel ,the middle channel ,the Highest channel 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. Repeat above procedures until all frequencies measured was complete.					
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBµV/m)	Remark	Measurement distance (m)
	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.				

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	QP		

Test Graph

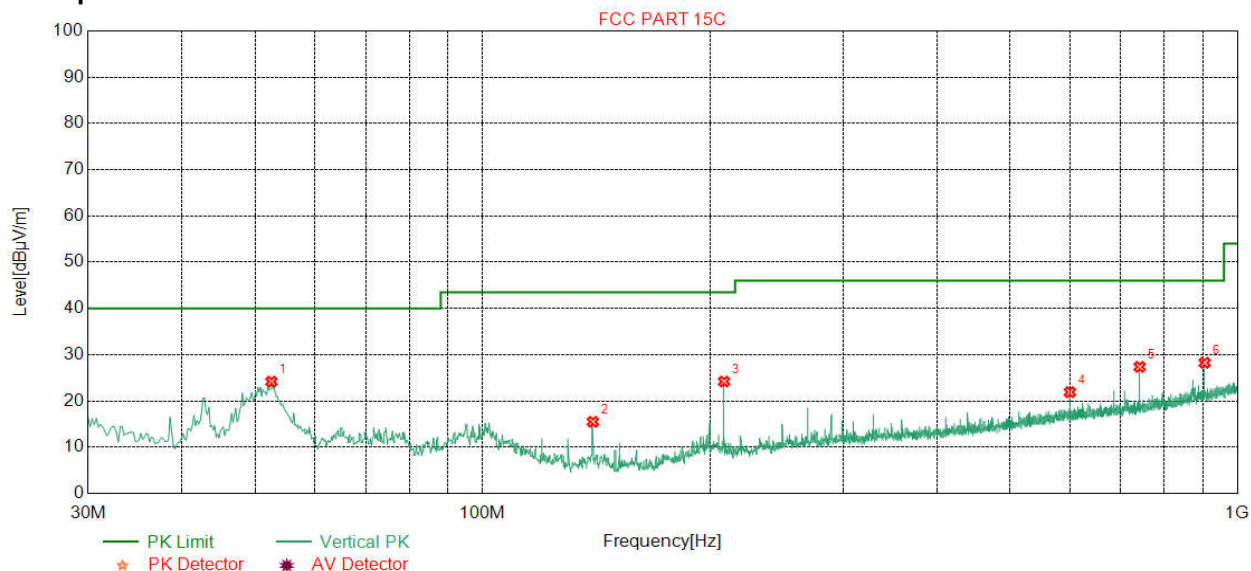


Suspected List

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	48.2396	13.20	0.78	-32.12	30.44	12.30	40.00	27.70	Pass	Horizontal
2	208.9038	11.13	1.71	-31.94	35.10	16.00	43.50	27.50	Pass	Horizontal
3	480.1700	16.68	2.61	-31.90	30.35	17.74	46.00	28.26	Pass	Horizontal
4	687.5975	19.70	3.14	-32.06	32.87	23.65	46.00	22.35	Pass	Horizontal
5	742.5105	20.27	3.26	-32.11	35.65	27.07	46.00	18.93	Pass	Horizontal
6	874.0688	21.79	3.54	-31.71	31.32	24.94	46.00	21.06	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	QP		

Test Graph

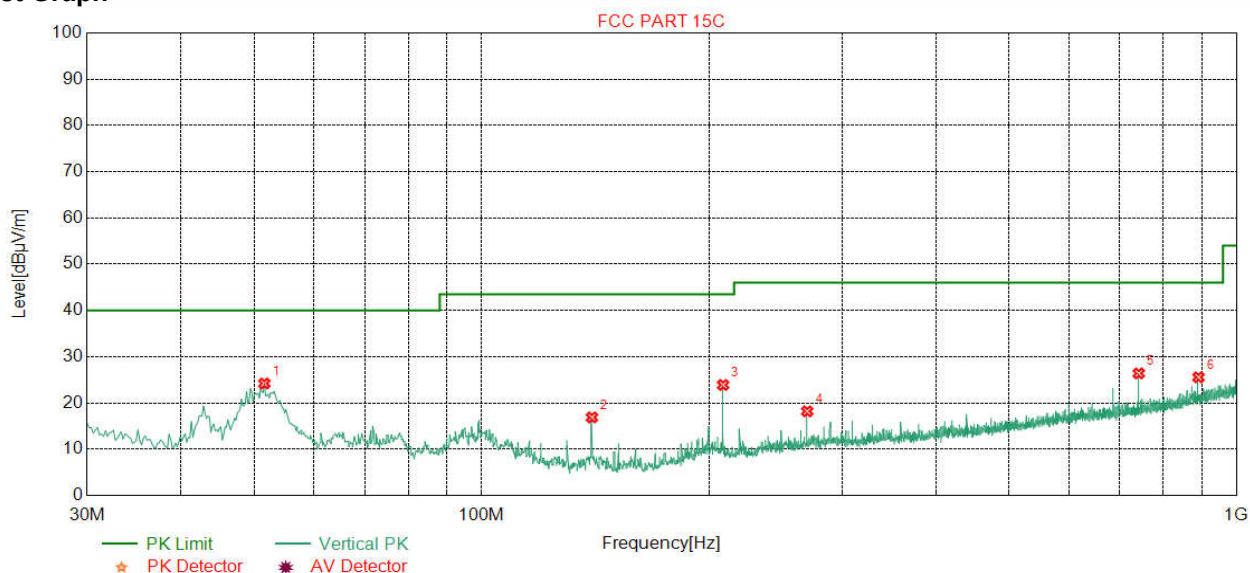


Suspected List

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	52.5085	12.80	0.82	-32.10	42.66	24.18	40.00	15.82	Pass	Vertical
2	140.0200	7.20	1.39	-31.99	38.90	15.50	43.50	28.00	Pass	Vertical
3	208.9038	11.13	1.71	-31.94	43.30	24.20	43.50	19.30	Pass	Vertical
4	600.0860	19.00	2.96	-31.99	31.93	21.90	46.00	24.10	Pass	Vertical
5	742.5105	20.27	3.26	-32.11	35.95	27.37	46.00	18.63	Pass	Vertical
6	905.1150	22.13	3.60	-31.53	34.05	28.25	46.00	17.75	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	QP		

Test Graph

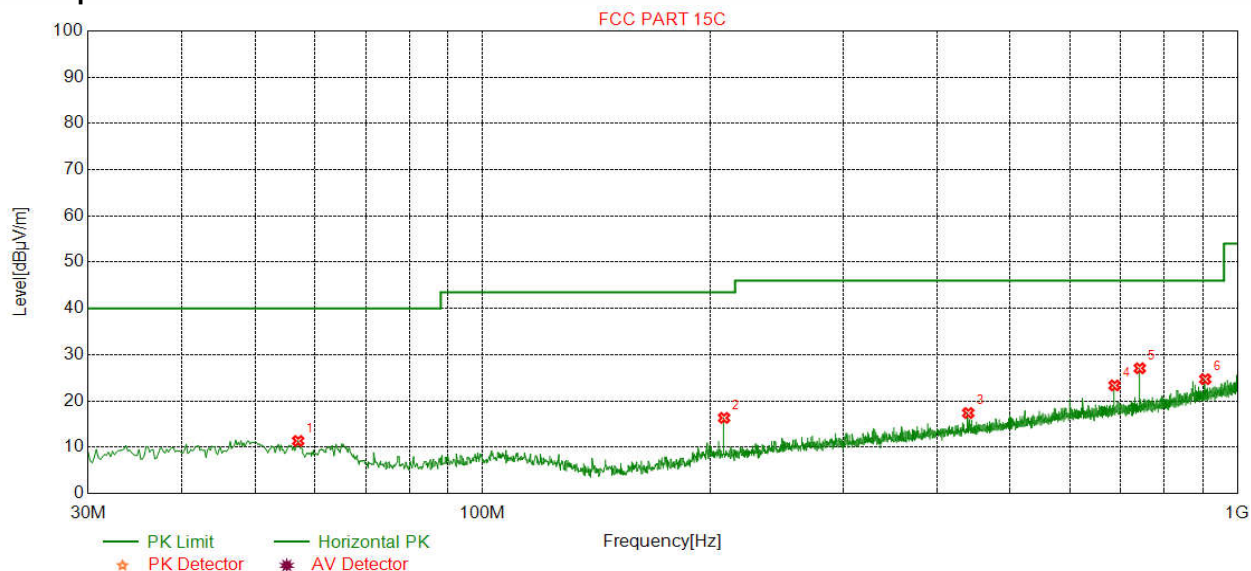


Suspected List

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	51.5383	12.95	0.81	-32.10	42.55	24.21	40.00	15.79	Pass	Vertical
2	140.0200	7.20	1.39	-31.99	40.28	16.88	43.50	26.62	Pass	Vertical
3	208.9038	11.13	1.71	-31.94	42.99	23.89	43.50	19.61	Pass	Vertical
4	270.0260	12.60	1.96	-31.88	35.51	18.19	46.00	27.81	Pass	Vertical
5	742.5105	20.27	3.26	-32.11	34.97	26.39	46.00	19.61	Pass	Vertical
6	890.9502	21.99	3.58	-31.61	31.59	25.55	46.00	20.45	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	QP		

Test Graph

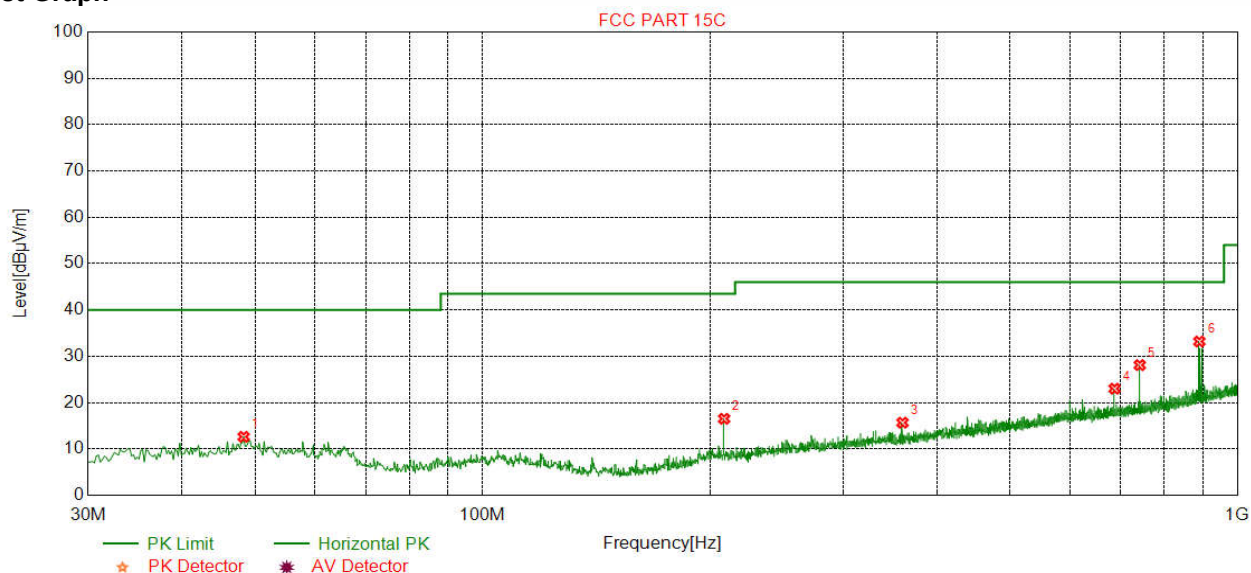


Suspected List

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	56.9714	12.08	0.86	-32.06	30.48	11.36	40.00	28.64	Pass	Horizontal
2	208.9038	11.13	1.71	-31.94	35.44	16.34	43.50	27.16	Pass	Horizontal
3	440.0040	16.04	2.48	-31.88	30.76	17.40	46.00	28.60	Pass	Horizontal
4	687.5975	19.70	3.14	-32.06	32.57	23.35	46.00	22.65	Pass	Horizontal
5	742.5105	20.27	3.26	-32.11	35.65	27.07	46.00	18.93	Pass	Horizontal
6	906.6673	22.14	3.60	-31.51	30.48	24.71	46.00	21.29	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2462
Remark:	QP		

Test Graph

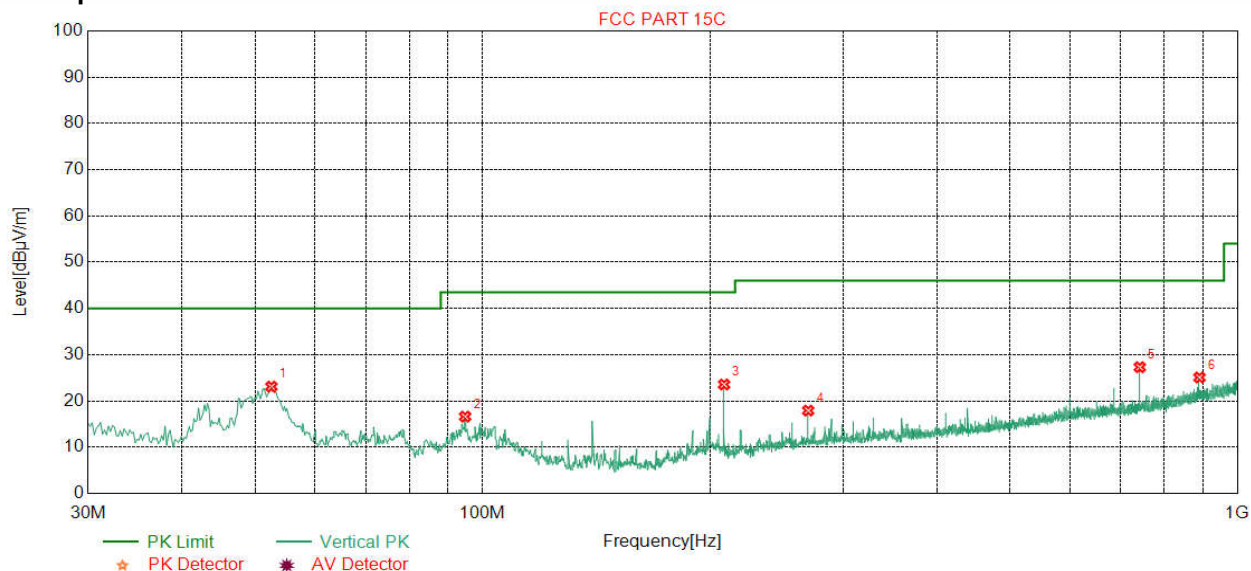


Suspected List

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	48.2396	13.20	0.78	-32.12	30.77	12.63	40.00	27.37	Pass	Horizontal
2	208.9038	11.13	1.71	-31.94	35.62	16.52	43.50	26.98	Pass	Horizontal
3	360.0600	14.52	2.27	-31.84	30.73	15.68	46.00	30.32	Pass	Horizontal
4	687.5975	19.70	3.14	-32.06	32.23	23.01	46.00	22.99	Pass	Horizontal
5	742.5105	20.27	3.26	-32.11	36.68	28.10	46.00	17.90	Pass	Horizontal
6	890.5621	21.99	3.58	-31.62	39.25	33.20	46.00	12.80	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2462
Remark:	QP		

Test Graph

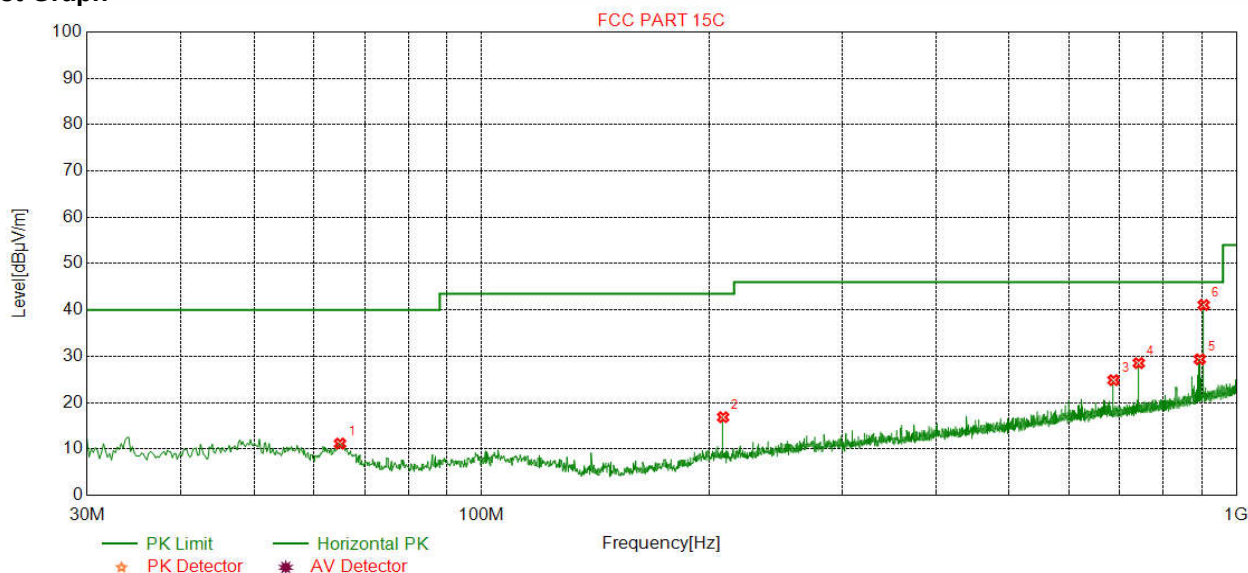


Suspected List

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	52.5085	12.80	0.82	-32.10	41.58	23.10	40.00	16.90	Pass	Vertical
2	94.8090	10.17	1.12	-32.08	37.41	16.62	43.50	26.88	Pass	Vertical
3	208.9038	11.13	1.71	-31.94	42.66	23.56	43.50	19.94	Pass	Vertical
4	270.0260	12.60	1.96	-31.88	35.24	17.92	46.00	28.08	Pass	Vertical
5	742.5105	20.27	3.26	-32.11	35.88	27.30	46.00	18.70	Pass	Vertical
6	890.9502	21.99	3.58	-31.61	31.12	25.08	46.00	20.92	Pass	Vertical

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2422
Remark:	QP		

Test Graph

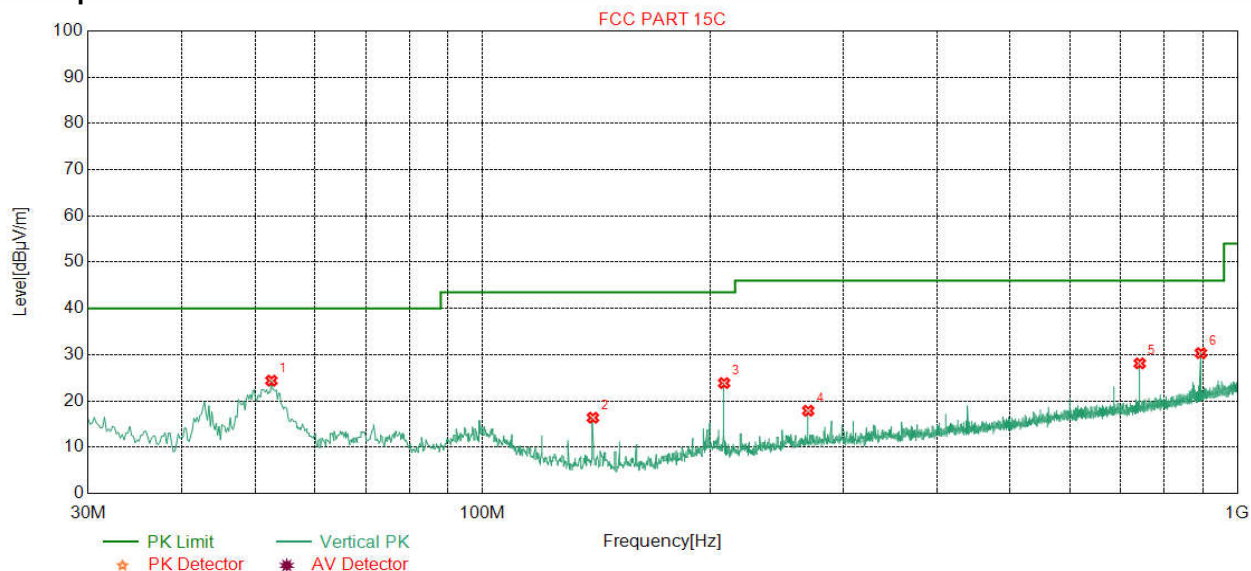


Suspected List

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	64.9270	10.32	0.92	-32.05	31.98	11.17	40.00	28.83	Pass	Horizontal
2	208.9038	11.13	1.71	-31.94	35.96	16.86	43.50	26.64	Pass	Horizontal
3	687.5975	19.70	3.14	-32.06	34.07	24.85	46.00	21.15	Pass	Horizontal
4	742.5105	20.27	3.26	-32.11	37.11	28.53	46.00	17.47	Pass	Horizontal
5	894.4429	22.03	3.59	-31.60	35.34	29.36	46.00	16.64	Pass	Horizontal
6	905.1150	22.13	3.60	-31.53	46.87	41.07	46.00	4.93	Pass	Horizontal

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2422
Remark:	QP		

Test Graph



Suspected List

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	52.5085	12.80	0.82	-32.10	42.87	24.39	40.00	15.61	Pass	Vertical
2	140.0200	7.20	1.39	-31.99	39.78	16.38	43.50	27.12	Pass	Vertical
3	208.9038	11.13	1.71	-31.94	42.97	23.87	43.50	19.63	Pass	Vertical
4	270.0260	12.60	1.96	-31.88	35.21	17.89	46.00	28.11	Pass	Vertical
5	742.5105	20.27	3.26	-32.11	36.71	28.13	46.00	17.87	Pass	Vertical
6	894.6369	22.04	3.59	-31.61	36.32	30.34	46.00	15.66	Pass	Vertical

Transmitter Emission above 1GHz

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	PK		

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	2925.9852	33.08	4.39	-36.72	47.34	48.09	74.00	25.91	Pass	Horizontal
2	4824.0000	34.50	4.61	-36.11	45.63	48.63	74.00	25.37	Pass	Horizontal
3	5834.6085	35.54	5.05	-36.02	43.24	47.81	74.00	26.19	Pass	Horizontal
4	7236.0000	36.34	5.79	-36.44	41.31	47.00	74.00	27.00	Pass	Horizontal
5	8465.4215	36.59	6.43	-36.44	43.98	50.56	74.00	23.44	Pass	Horizontal
6	9648.0000	37.66	6.72	-36.92	42.52	49.98	74.00	24.02	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2412
Remark:	PK		

Suspected List

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	2853.1706	32.97	4.24	-36.91	47.14	47.44	74.00	26.56	Pass	Vertical
2	4824.0000	34.50	4.61	-36.11	43.80	46.80	74.00	27.20	Pass	Vertical
3	7236.0000	36.34	5.79	-36.44	40.26	45.95	74.00	28.05	Pass	Vertical
4	7693.1443	36.52	6.24	-36.39	43.65	50.02	74.00	23.98	Pass	Vertical
5	8958.8209	37.61	6.36	-36.56	43.44	50.85	74.00	23.15	Pass	Vertical
6	9648.0000	37.66	6.72	-36.92	42.49	49.95	74.00	24.05	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3285.7036	33.31	4.54	-36.79	46.36	47.42	74.00	26.58	Pass	Horizontal
2	4874.0000	34.50	4.78	-36.09	45.20	48.39	74.00	25.61	Pass	Horizontal
3	6350.4350	35.87	5.46	-36.13	42.88	48.08	74.00	25.92	Pass	Horizontal
4	7311.0000	36.41	5.85	-36.31	41.34	47.29	74.00	26.71	Pass	Horizontal
5	7670.7171	36.53	6.20	-36.51	44.01	50.23	74.00	23.77	Pass	Horizontal
6	9748.0000	37.70	6.77	-36.79	42.27	49.95	74.00	24.05	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2437
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2765.5531	32.82	4.18	-36.79	47.40	47.61	74.00	26.39	Pass	Vertical
2	4874.0000	34.50	4.78	-36.09	43.60	46.79	74.00	27.21	Pass	Vertical
3	5522.5773	35.04	5.16	-36.10	43.42	47.52	74.00	26.48	Pass	Vertical
4	6342.6343	35.87	5.46	-36.15	43.20	48.38	74.00	25.62	Pass	Vertical
5	7311.0000	36.41	5.85	-36.31	41.06	47.01	74.00	26.99	Pass	Vertical
6	9748.0000	37.70	6.77	-36.79	41.10	48.78	74.00	25.22	Pass	Vertical

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	PK		

Suspected List

N O	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3158.9409	33.26	4.58	-36.90	47.18	48.12	74.00	25.88	Pass	Horizontal
2	4924.0000	34.50	4.85	-36.17	45.41	48.59	74.00	25.41	Pass	Horizontal
3	6356.2856	35.87	5.44	-36.15	43.02	48.18	74.00	25.82	Pass	Horizontal
4	7386.0000	36.49	5.85	-36.34	40.09	46.09	74.00	27.91	Pass	Horizontal
5	8384.4884	36.55	6.28	-36.39	43.76	50.20	74.00	23.80	Pass	Horizontal
6	9848.0000	37.74	6.83	-36.93	41.62	49.26	74.00	24.74	Pass	Horizontal

Mode:	802.11 b(11Mbps) Transmitting	Channel:	2462
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2151.0302	31.91	3.65	-36.29	47.23	46.50	74.00	27.50	Pass	Vertical
2	3506.0756	33.40	4.48	-36.56	45.80	47.12	74.00	26.88	Pass	Vertical
3	4924.0000	34.50	4.85	-36.17	43.66	46.84	74.00	27.16	Pass	Vertical
4	5916.5167	35.67	5.15	-36.22	43.41	48.01	74.00	25.99	Pass	Vertical
5	7386.0000	36.49	5.85	-36.34	40.05	46.05	74.00	27.95	Pass	Vertical
6	9848.0000	37.74	6.83	-36.93	41.38	49.02	74.00	24.98	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2988.7978	33.18	4.52	-36.73	46.61	47.58	74.00	26.42	Pass	Horizontal
2	4824.0000	34.50	4.61	-36.11	42.13	45.13	74.00	28.87	Pass	Horizontal
3	5633.7384	35.21	5.01	-36.05	43.75	47.92	74.00	26.08	Pass	Horizontal
4	7236.0000	36.34	5.79	-36.44	40.74	46.43	74.00	27.57	Pass	Horizontal
5	7691.1941	36.52	6.24	-36.40	43.48	49.84	74.00	24.16	Pass	Horizontal
6	9648.0000	37.66	6.72	-36.92	42.50	49.96	74.00	24.04	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2412
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	1751.3503	30.06	3.23	-36.78	50.52	47.03	74.00	26.97	Pass	Vertical
2	4824.0000	34.50	4.61	-36.11	41.86	44.86	74.00	29.14	Pass	Vertical
3	5711.7462	35.34	5.00	-36.12	43.43	47.65	74.00	26.35	Pass	Vertical
4	6327.0327	35.87	5.46	-36.18	43.19	48.34	74.00	25.66	Pass	Vertical
5	7236.0000	36.34	5.79	-36.44	40.50	46.19	74.00	27.81	Pass	Vertical
6	9648.0000	37.66	6.72	-36.92	42.50	49.96	74.00	24.04	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3320.8071	33.33	4.56	-36.76	46.58	47.71	74.00	26.29	Pass	Horizontal
2	4874.0000	34.50	4.78	-36.09	42.80	45.99	74.00	28.01	Pass	Horizontal
3	6357.2607	35.87	5.44	-36.16	42.77	47.92	74.00	26.08	Pass	Horizontal
4	7311.0000	36.41	5.85	-36.31	39.97	45.92	74.00	28.08	Pass	Horizontal
5	8420.5671	36.57	6.36	-36.33	43.88	50.48	74.00	23.52	Pass	Horizontal
6	9748.0000	37.70	6.77	-36.79	42.81	50.49	74.00	23.51	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2437
Remark:	PK		

Suspected List

N O	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3318.8569	33.33	4.56	-36.76	46.77	47.90	74.00	26.10	Pass	Vertical
2	4874.0000	34.50	4.78	-36.09	41.17	44.36	74.00	29.64	Pass	Vertical
3	5984.7735	35.78	5.33	-36.27	43.45	48.29	74.00	25.71	Pass	Vertical
4	7311.0000	36.41	5.85	-36.31	40.11	46.06	74.00	27.94	Pass	Vertical
5	7722.3972	36.51	6.25	-36.44	43.61	49.93	74.00	24.07	Pass	Vertical
6	9748.0000	37.70	6.77	-36.79	42.47	50.15	74.00	23.85	Pass	Vertical

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2885.9772	33.02	4.34	-36.71	47.17	47.82	74.00	26.18	Pass	Horizontal
2	4924.0000	34.50	4.85	-36.17	42.85	46.03	74.00	27.97	Pass	Horizontal
3	6309.4809	35.86	5.46	-36.21	43.12	48.23	74.00	25.77	Pass	Horizontal
4	7386.0000	36.49	5.85	-36.34	40.09	46.09	74.00	27.91	Pass	Horizontal
5	8400.0900	36.56	6.33	-36.26	43.43	50.06	74.00	23.94	Pass	Horizontal
6	9848.0000	37.74	6.83	-36.93	41.51	49.15	74.00	24.85	Pass	Horizontal

Mode:	802.11 g(6Mbps) Transmitting	Channel:	2462
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3000.9751	33.20	4.93	-36.71	46.25	47.67	74.00	26.33	Pass	Vertical
2	4924.0000	34.50	4.85	-36.17	41.26	44.44	74.00	29.56	Pass	Vertical
3	5793.6544	35.47	4.97	-36.03	43.87	48.28	74.00	25.72	Pass	Vertical
4	7386.0000	36.49	5.85	-36.34	39.63	45.63	74.00	28.37	Pass	Vertical
5	8426.4176	36.57	6.37	-36.35	43.47	50.06	74.00	23.94	Pass	Vertical
6	9848.0000	37.74	6.83	-36.93	40.97	48.61	74.00	25.39	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2412
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	1368.8738	28.27	2.85	-37.26	48.37	42.23	74.00	31.77	Pass	Horizontal
2	3294.4794	33.32	4.57	-36.80	46.10	47.19	74.00	26.81	Pass	Horizontal
3	4824.0000	34.50	4.61	-36.11	40.82	43.82	74.00	30.18	Pass	Horizontal
4	7236.0000	36.34	5.79	-36.44	40.92	46.61	74.00	27.39	Pass	Horizontal
5	7714.5965	36.51	6.25	-36.41	43.76	50.11	74.00	23.89	Pass	Horizontal
6	9648.0000	37.66	6.72	-36.92	42.49	49.95	74.00	24.05	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2412
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3209.6460	33.28	4.61	-36.71	46.86	48.04	74.00	25.96	Pass	Vertical
2	4824.0000	34.50	4.61	-36.11	41.39	44.39	74.00	29.61	Pass	Vertical
3	6326.0576	35.87	5.46	-36.18	43.19	48.34	74.00	25.66	Pass	Vertical
4	7236.0000	36.34	5.79	-36.44	41.28	46.97	74.00	27.03	Pass	Vertical
5	8155.3405	36.46	6.41	-36.46	43.75	50.16	74.00	23.84	Pass	Vertical
6	9648.0000	37.66	6.72	-36.92	43.01	50.47	74.00	23.53	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2437
Remark:	PK		

Suspected List

N O	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2990.3981	33.18	4.52	-36.72	46.91	47.89	74.00	26.11	Pass	Horizontal
2	4874.0000	34.50	4.78	-36.09	40.95	44.14	74.00	29.86	Pass	Horizontal
3	6424.5425	35.88	5.41	-36.29	42.93	47.93	74.00	26.07	Pass	Horizontal
4	7311.0000	36.41	5.85	-36.31	39.70	45.65	74.00	28.35	Pass	Horizontal
5	8479.0729	36.59	6.45	-36.43	44.06	50.67	74.00	23.33	Pass	Horizontal
6	9748.0000	37.70	6.77	-36.79	42.15	49.83	74.00	24.17	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2437
Remark:	PK		

Suspected List

N O	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3015.6016	33.21	4.90	-36.77	46.55	47.89	74.00	26.11	Pass	Vertical
2	4874.0000	34.50	4.78	-36.09	40.09	43.28	74.00	30.72	Pass	Vertical
3	5798.5299	35.48	4.98	-36.03	44.21	48.64	74.00	25.36	Pass	Vertical
4	6339.7090	35.87	5.46	-36.15	43.84	49.02	74.00	24.98	Pass	Vertical
5	7311.0000	36.41	5.85	-36.31	40.91	46.86	74.00	27.14	Pass	Vertical
6	9748.0000	37.70	6.77	-36.79	42.23	49.91	74.00	24.09	Pass	Vertical

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2462
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3018.5269	33.21	4.89	-36.77	46.60	47.93	74.00	26.07	Pass	Horizontal
2	4924.0000	34.50	4.85	-36.17	42.63	45.81	74.00	28.19	Pass	Horizontal
3	6464.5215	35.89	5.51	-36.25	43.02	48.17	74.00	25.83	Pass	Horizontal
4	7386.0000	36.49	5.85	-36.34	40.43	46.43	74.00	27.57	Pass	Horizontal
5	8428.3678	36.57	6.37	-36.35	44.32	50.91	74.00	23.09	Pass	Horizontal
6	9848.0000	37.74	6.83	-36.93	40.91	48.55	74.00	25.45	Pass	Horizontal

Mode:	802.11 n(HT20) (6.5Mbps)	Channel:	2462
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3056.5557	33.22	4.82	-36.87	46.35	47.52	74.00	26.48	Pass	Vertical
2	4924.0000	34.50	4.85	-36.17	42.29	45.47	74.00	28.53	Pass	Vertical
3	5806.3306	35.49	4.99	-36.02	43.89	48.35	74.00	25.65	Pass	Vertical
4	7158.7909	36.26	5.71	-36.36	43.66	49.27	74.00	24.73	Pass	Vertical
5	7386.0000	36.49	5.85	-36.34	40.15	46.15	74.00	27.85	Pass	Vertical
6	9848.0000	37.74	6.83	-36.93	41.02	48.66	74.00	25.34	Pass	Vertical

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2422
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2994.3989	33.19	4.53	-36.72	46.30	47.30	74.00	26.70	Pass	Horizontal
2	4844.0000	34.50	4.67	-36.07	39.75	42.85	74.00	31.15	Pass	Horizontal
3	6395.2895	35.88	5.32	-36.32	43.61	48.49	74.00	25.51	Pass	Horizontal
4	7266.0000	36.37	5.80	-36.37	40.31	46.11	74.00	27.89	Pass	Horizontal
5	8403.9904	36.56	6.34	-36.28	44.08	50.70	74.00	23.30	Pass	Horizontal
6	9688.0000	37.68	6.62	-36.75	42.79	50.34	74.00	23.66	Pass	Horizontal

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2422
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2864.3729	32.98	4.27	-36.83	47.63	48.05	74.00	25.95	Pass	Vertical
2	3578.2328	33.46	4.38	-36.51	45.72	47.05	74.00	26.95	Pass	Vertical
3	4844.0000	34.50	4.67	-36.07	40.01	43.11	74.00	30.89	Pass	Vertical
4	7266.0000	36.37	5.80	-36.37	41.64	47.44	74.00	26.56	Pass	Vertical
5	8422.5173	36.57	6.36	-36.33	43.96	50.56	74.00	23.44	Pass	Vertical
6	9688.0000	37.68	6.62	-36.75	41.95	49.50	74.00	24.50	Pass	Vertical

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2437
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2891.5783	33.03	4.35	-36.67	46.94	47.65	74.00	26.35	Pass	Horizontal
2	4874.0000	34.50	4.78	-36.09	41.30	44.49	74.00	29.51	Pass	Horizontal
3	5541.1041	35.07	5.16	-36.06	43.87	48.04	74.00	25.96	Pass	Horizontal
4	7311.0000	36.41	5.85	-36.31	40.61	46.56	74.00	27.44	Pass	Horizontal
5	8481.0231	36.59	6.46	-36.44	43.71	50.32	74.00	23.68	Pass	Horizontal
6	9748.0000	37.70	6.77	-36.79	42.78	50.46	74.00	23.54	Pass	Horizontal

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2437
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	4540.6541	34.50	4.73	-36.27	43.62	46.58	74.00	27.42	Pass	Vertical
2	4874.0000	34.50	4.78	-36.09	39.82	43.01	74.00	30.99	Pass	Vertical
3	6460.6211	35.89	5.51	-36.25	43.19	48.34	74.00	25.66	Pass	Vertical
4	7311.0000	36.41	5.85	-36.31	40.65	46.60	74.00	27.40	Pass	Vertical
5	8406.9157	36.56	6.34	-36.28	44.11	50.73	74.00	23.27	Pass	Vertical
6	9748.0000	37.70	6.77	-36.79	42.40	50.08	74.00	23.92	Pass	Vertical

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2452
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	2966.3933	33.15	4.45	-36.78	47.46	48.28	74.00	25.72	Pass	Horizontal
2	4904.0000	34.50	4.87	-36.12	41.16	44.41	74.00	29.59	Pass	Horizontal
3	6504.5005	35.90	5.46	-36.21	43.46	48.61	74.00	25.39	Pass	Horizontal
4	7356.0000	36.46	5.85	-36.57	40.62	46.36	74.00	27.64	Pass	Horizontal
5	8575.6076	36.77	6.34	-36.51	43.31	49.91	74.00	24.09	Pass	Horizontal
6	9808.0000	37.72	6.59	-36.89	41.37	48.79	74.00	25.21	Pass	Horizontal

Mode:	802.11 n(HT40) (6.5Mbps)	Channel:	2452
Remark:	PK		

Suspected List

NO	Freq. [MHz]	Ant Factor [dB]	Cable loss [dB]	Pream gain [dB]	Reading [dBμV]	Level [dBμV/m]	Limit [dBμV/m]	Magin [dB]	Result	Polarity
1	3017.5518	33.21	4.89	-36.77	46.50	47.83	74.00	26.17	Pass	Vertical
2	4904.0000	34.50	4.87	-36.12	40.68	43.93	74.00	30.07	Pass	Vertical
3	5636.6637	35.22	5.00	-36.05	43.61	47.78	74.00	26.22	Pass	Vertical
4	7356.0000	36.46	5.85	-36.57	40.24	45.98	74.00	28.02	Pass	Vertical
5	8484.9235	36.59	6.46	-36.43	44.11	50.73	74.00	23.27	Pass	Vertical
6	9808.0000	37.72	6.59	-36.89	41.76	49.18	74.00	24.82	Pass	Vertical

Note:

1) Through Pre-scan transmitting mode and charge+transmitter mode with all kind of modulation and data rate, find the 11Mbps 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) ; 13.5Mbps of rate is the worst case of 802.11n(HT40), and then Only the worst case is recorded in the report.

2) 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

3) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz 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.