TEST REPORT

Product	:	Beyond Tablet Mini Edition
Trade mark	:	Beyond Screen
Model/Type reference	:	BYM002
Serial Number	:	N/A
Report Number	:	EED32K00140003
FCC ID	:	2AK5X-BTM6362
Date of Issue	:	Jul. 03, 2018
Test Standards	:	47 CFR Part 15Subpart C
Test result	:	PASS

Prepared for:

Beyond Screen Limited
Suite 603, Building 6, Fulltech Plaza, No. 33 North Guangshun Street, Beijing, 100102, China

Prepared by:

Centre Testing International Group Co., Ltd.
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Tested By:	Peter	Compiled by:	Tom- chen
	Peter (Test Project)		Tom chen (Project Engineer)
Reviewed by:	Kevin Yang	Approved by:	Sheek . Luo
	Kevin yang (Reviewer)		Sheek Luo (Lab supervisor)
Date:	Jul. 03, 2018		Check No.:1022500401

CENTRE TESTING INTERNATIONAL GROUP CO.,LTD. Report Seal

2 Version

Version No.	Date	Description
00	Jul. 03, 2018	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.

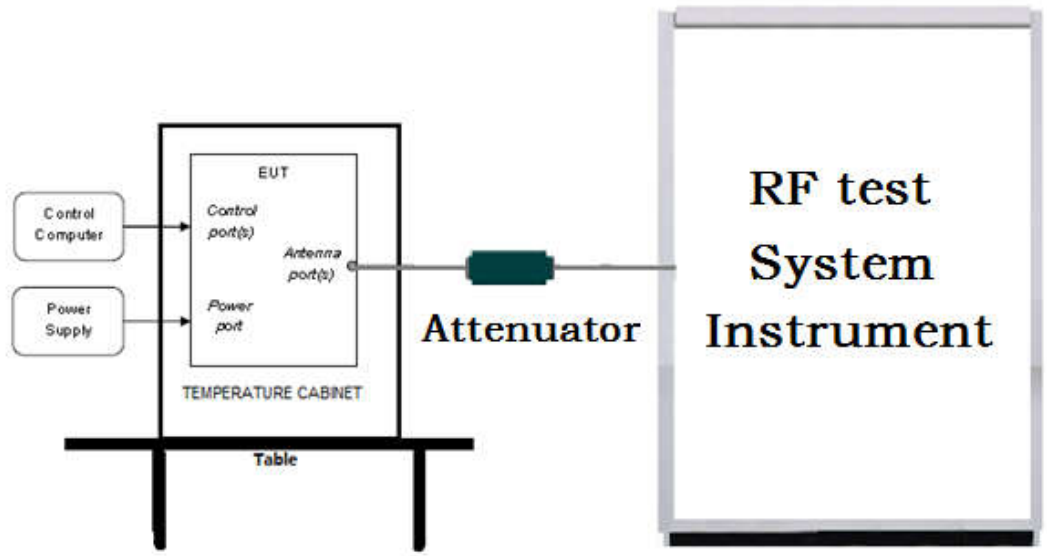
The Beyond Tablet Mini Edition has two color appearance, the electrical circuit design, layout, and operational principle were identical for two color appearance, only the color is different.

4 Content

5 Test Requirement

5.1 Test setup

5.1.1 For Conducted test setup



5.1.2 For Radiated Emissions test setup

Radiated Emissions setup:

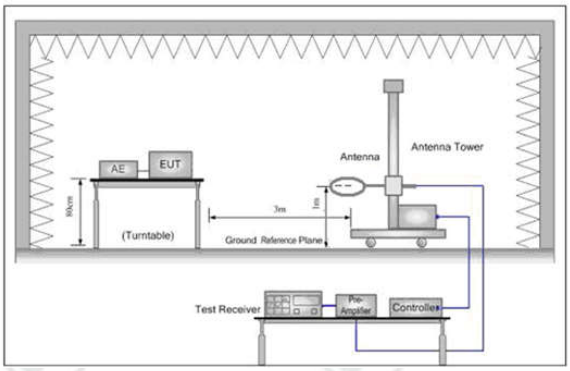


Figure 1. Below 30MHz

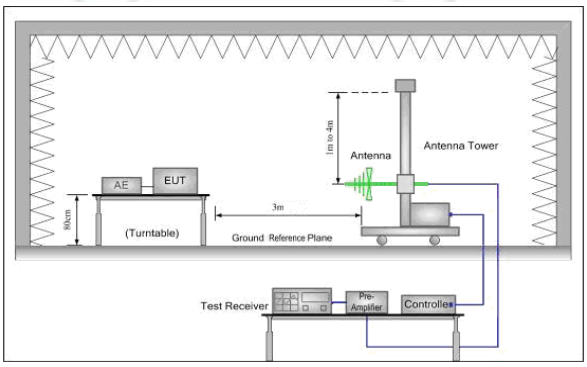


Figure 2. 30MHz to 1GHz

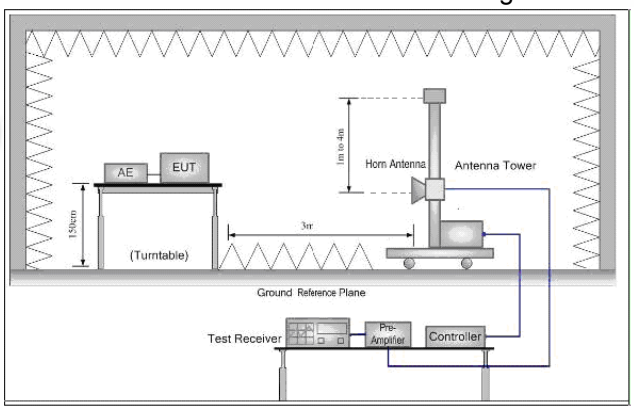
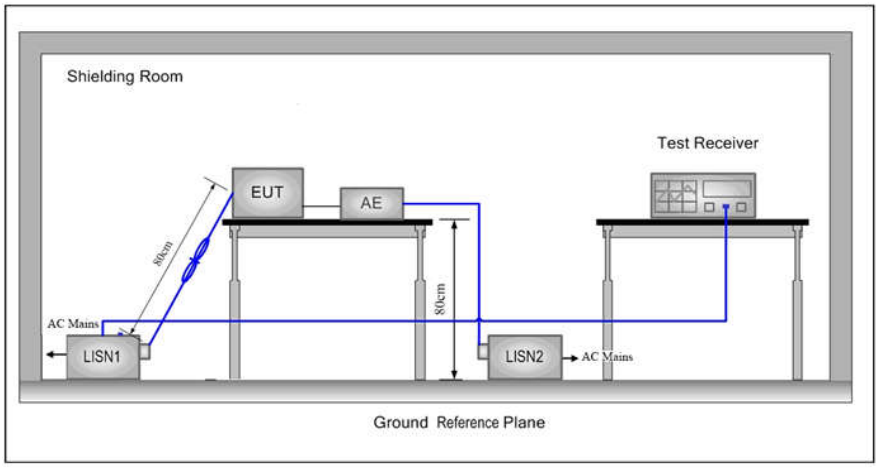


Figure 3. Above 1GHz

5.1.3 For Conducted Emissions test setup

Conducted Emissions setup



5.2 Test Environment

Operating Environment:	
Temperature:	26.4 °C
Humidity:	60% 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)	13.78	14.21	14.87	15.06	

Mode	802.11g							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power(dBm)	14.53	14.00	13.85	13.64	13.25	13.04	12.98	12.64

Mode	802.11n (HT20)							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power(dBm)	13.63	13.21	13.00	12.85	12.47	12.22	12.00	11.85
Mode	802.11n (HT40)							
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps
Power(dBm)	13.37	13.12	12.85	12.55	12.12	12.00	11.85	11.64

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:	Beyond Screen Limited
Address of Applicant:	Suite 603, Building 6, Fulltech Plaza, No. 33 North Guangshun Street, Beijing, 100102, China
Manufacturer:	Beyond Screen Limited
Address of Manufacturer:	Suite 603, Building 6, Fulltech Plaza, No. 33 North Guangshun Street, Beijing, 100102, China
Factory:	Shenzhen RuiYi Electronic Science and Technology Co., Ltd.
Address of Factory:	4th Floor, No.1, Area A, Tangtou Third Industrial Park, Shiyang Village, Baoan District, Shenzhen City, Guangdong Province, 518108, China

6.2 General Description of EUT

Product Name:	Beyond Tablet Mini Edition
Model No.(EUT):	BYM002
Trade Mark:	Beyond Screen
EUT Supports Radios application:	Wi-Fi: 802.11 b/g/n(20M)/n(40M) , 2412MHz-2462MHz BT:4.0 BT Dual mode, 2402MHz to 2480MHz
Power Supply:	DC 12V and AC 120V/60Hz
Hardware Version:	BY3.LRB_V1.0, BY3.TB_V0.3(manufacturer declare)
Software Version:	V1.0(manufacturer declare)
Sample Received Date:	Jun. 04, 2018
Sample tested Date:	Jun. 04, 2018 to Jun. 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:	Portable production
Test Power Grade:	N/A(manufacturer declare)
Test Software of EUT:	Realtek 11n 8723B USB WLAN MP Version 30.06.20150417(manufacturer declare)
Antenna Type:	PCB Antenna
Antenna Gain:	1.5dBi
Power Source:	Battery: 8.4V, 8000mAh
Test Voltage:	DC 12V and AC 120V/60Hz
USB cable:	100cm

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 independently.

6.5 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd.
Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101
Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385
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
Signal Generator	Keysight	N5182B	MY53051549	03-13-2018	03-12-2019
High-pass filter	Sinoscite	FL3CX03WG 18NM12-0398-002	---	01-10-2018	01-09-2019
High-pass filter	MICRO-TRONICS	SPA-F-63029-4	---	01-10-2018	01-09-2019
DC Power	Keysight	E3642A	MY54426035	03-13-2018	03-12-2019
power meter & power sensor	R&S	OSP120	101374	03-13-2018	03-12-2019
RF control unit	JS Tonscend	JS0806-2	158060006	03-13-2018	03-12-2019
BT&WI-FI Automatic test software	JS Tonscend	JS1120-2	---	03-13-2018	03-12-2019

Conducted disturbance Test					
Equipment	**Manufacturer**	**Model No.**	**Serial Number**	**Cal. date (mm-dd-yyyy)**	**Cal. Due date (mm-dd-yyyy)**
Receiver	R&S	ESCI	100009	05-25-2018	05-24-2019
Temperature/ Humidity Indicator	TAYLOR	1451	1905	05-02-2018	05-01-2019
LISN	schwarzbeck	NNLK8121	8121-529	05-11-2018	05-10-2019

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	9163-617	03-29-2018	03-28-2019
Preamplifier	JS Tonscend	EMC051845 SE	980380	01-19-2018	01-18-2019
Horn Antenna	ETS-LINDGREN	3117	00057407	07-20-2015	07-18-2018
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/070/107 11112	---	05-02-2018	05-01-2019
Signal Generator	Keysight	E8257D	MY53401106	03-13-2018	03-12-2019
Temperature/ Humidity Indicator	TAYLOR	1451	1905	05-02-2018	05-01-2019
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
High-pass filter	Sinoscite	FL3CX03WG 18NM12-0398-002	---	01-10-2018	01-09-2019

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 Unlicesed Wireless Devices

Test Results List:

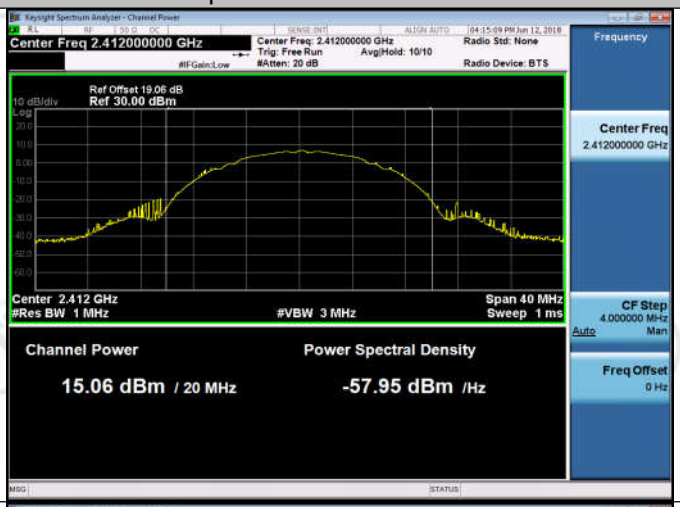
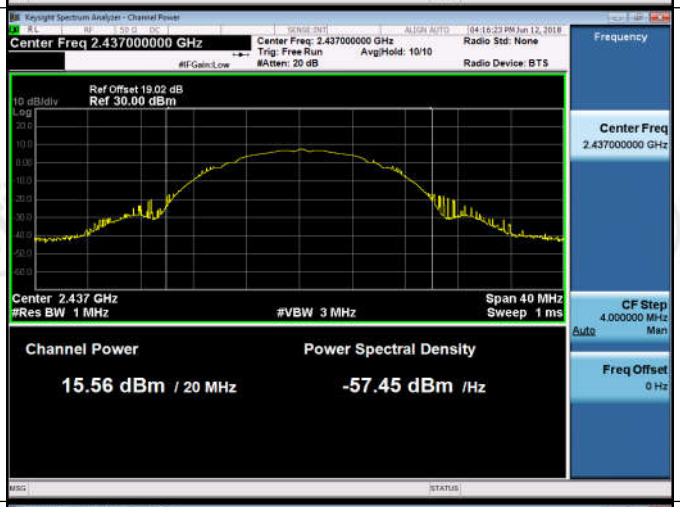
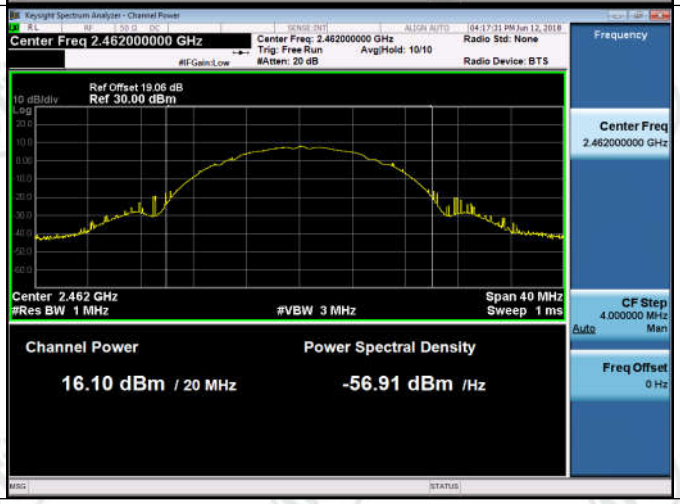
Test Requirement	Test method	Test item	Verdict	Note
Part15C Section 15.247 (b)(3)	ANSI C63.10	Conducted Peak Output Power	PASS	Appendix A)
Part15C Section 15.247 (a)(2)	ANSI C63.10	6dB Occupied Bandwidth	PASS	Appendix B)
Part15C Section 15.247(d)	ANSI C63.10	Band-edge for RF Conducted Emissions	PASS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

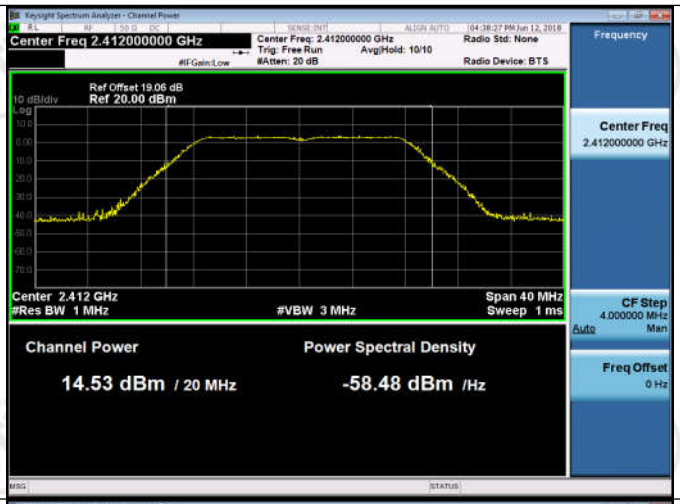
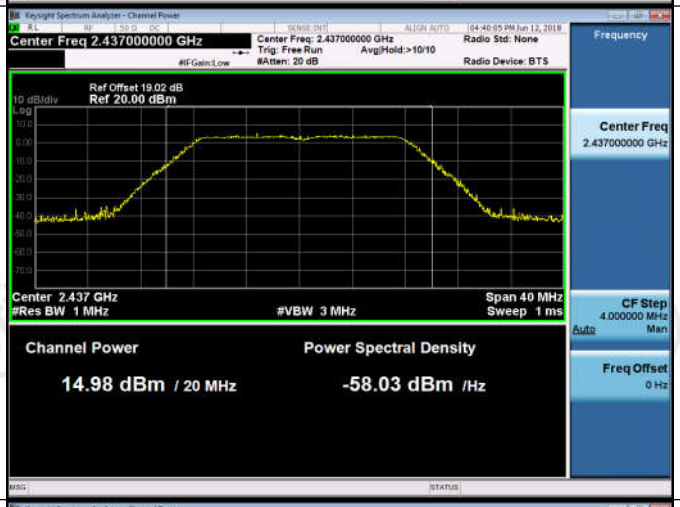
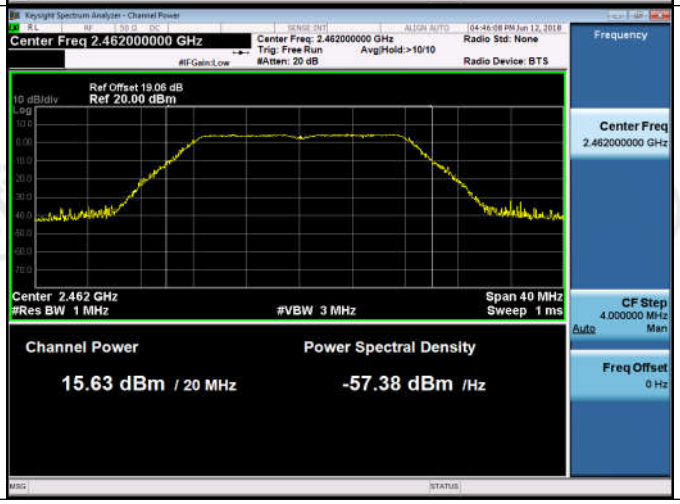
Appendix A): Conducted Peak Output Power

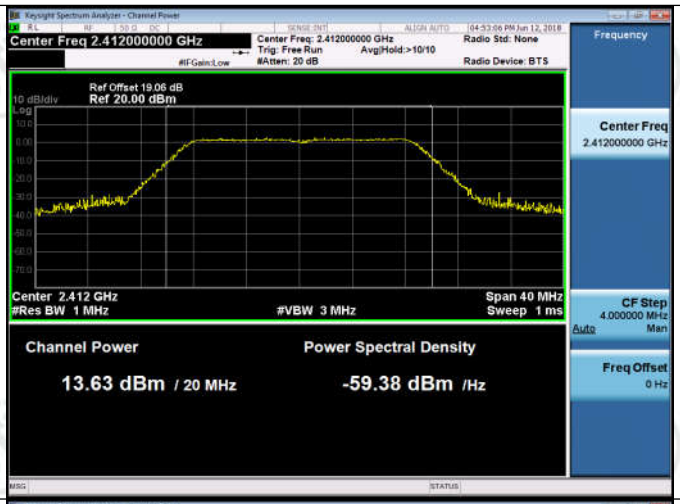
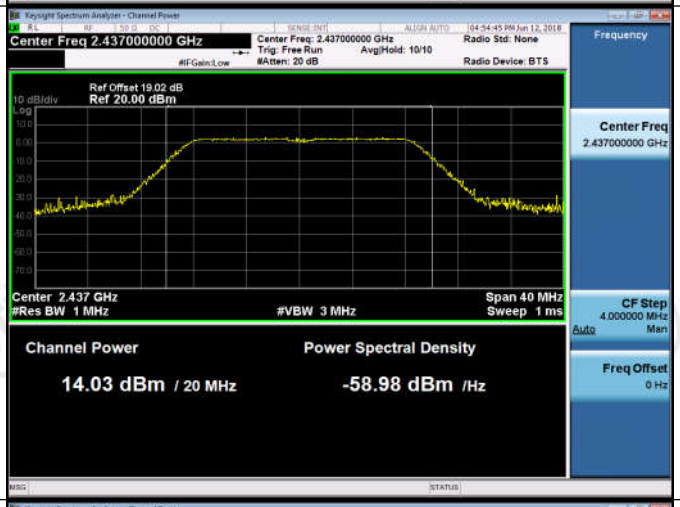
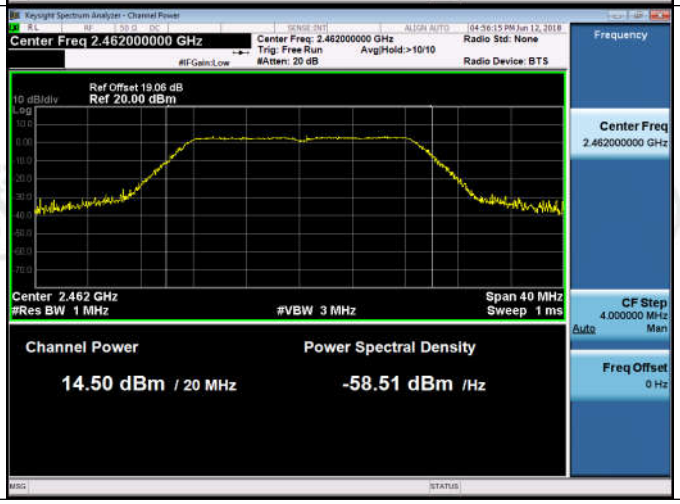
Result Table

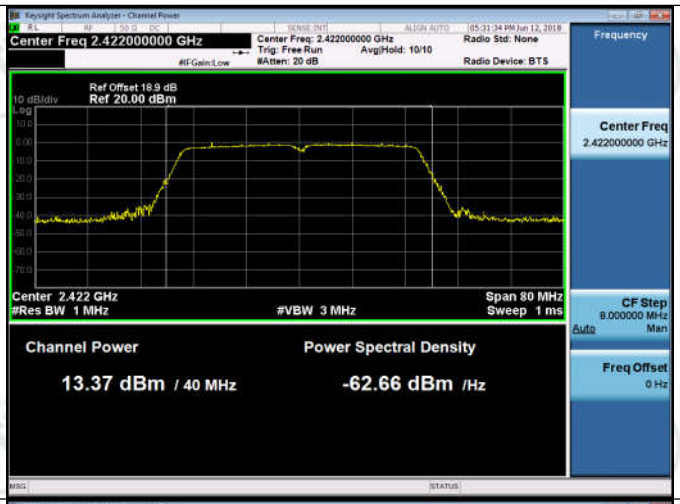
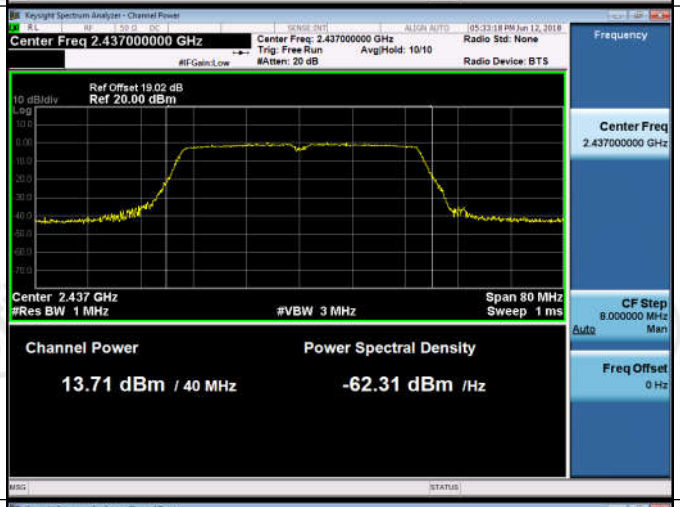
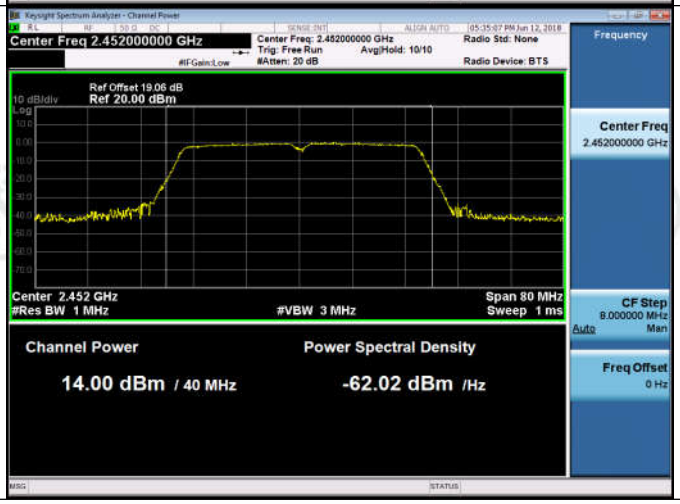
Mode	Channel	Conducted Peak Output Power [dBm]	Verdict
11B	LCH	15.06	PASS
11B	MCH	15.56	PASS
11B	HCH	16.1	PASS
11G	LCH	14.53	PASS
11G	MCH	14.98	PASS
11G	HCH	15.63	PASS
11N20SISO	LCH	13.63	PASS
11N20SISO	MCH	14.03	PASS
11N20SISO	HCH	14.5	PASS
11N40SISO	LCH	13.37	PASS
11N40SISO	MCH	13.71	PASS
11N40SISO	HCH	14	PASS

Test Graph

Graphs		
11B/LCH		
11B/MCH		
11B/HCH		

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

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

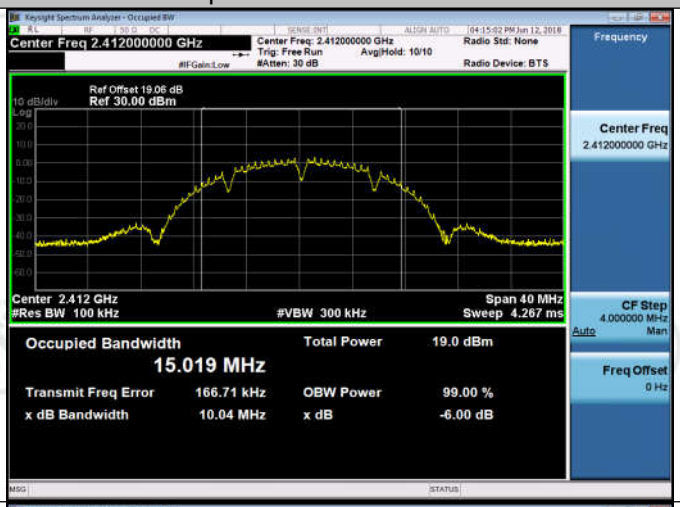
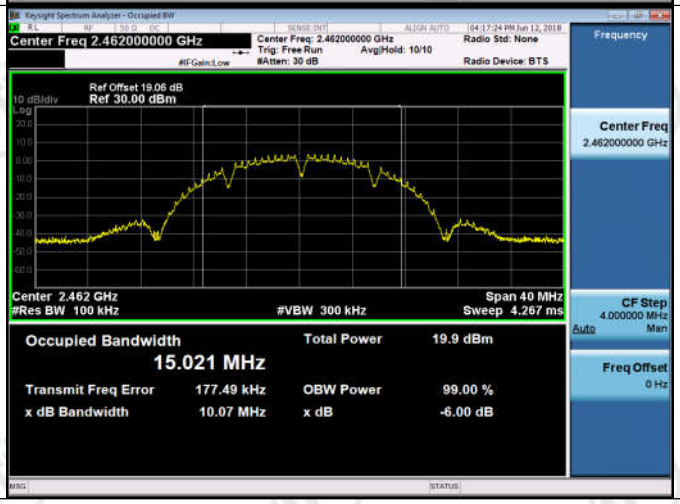
11N40SISO/LCH			
11N40SISO/MCH			
11N40SISO/HCH			

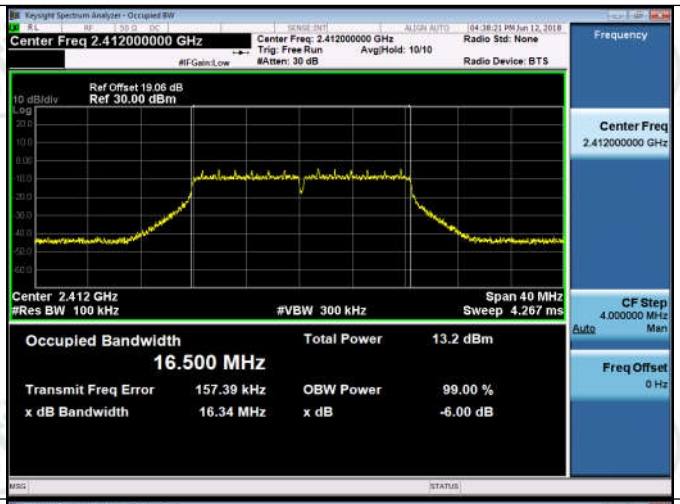
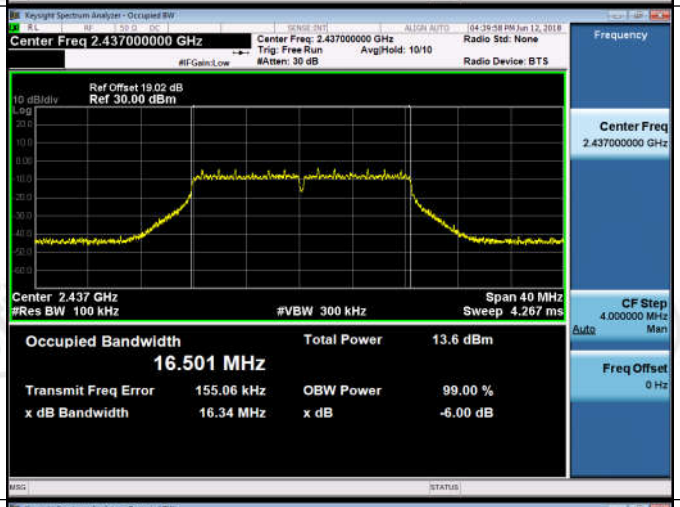
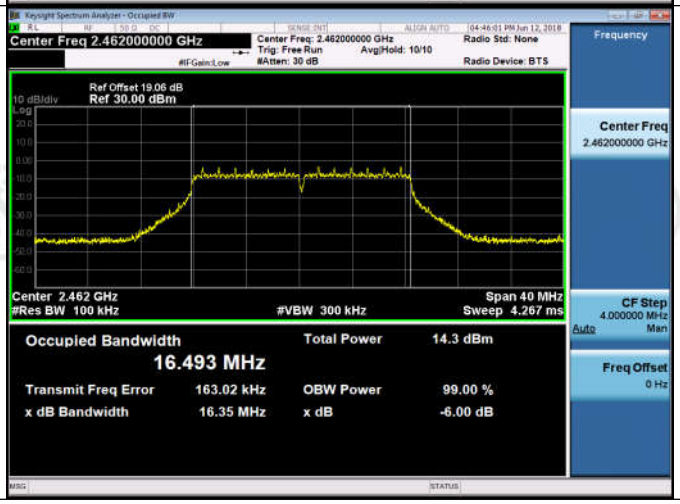
Appendix B): 6dB Occupied Bandwidth

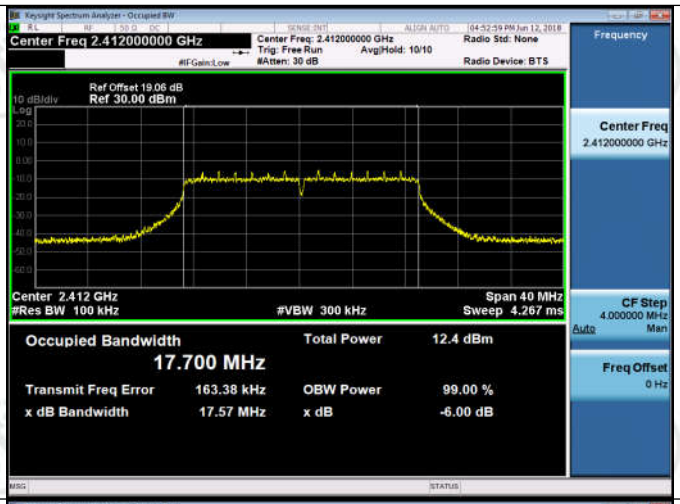
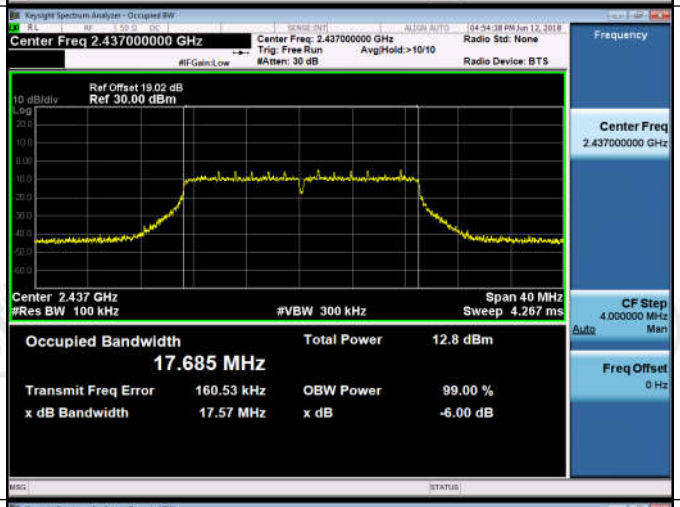
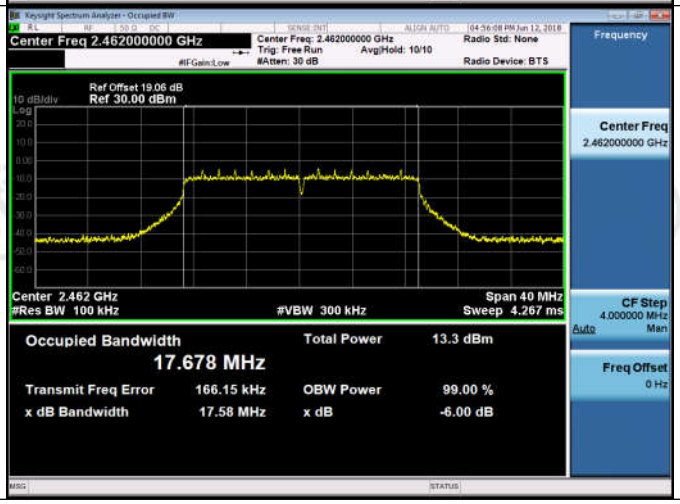
Result Table

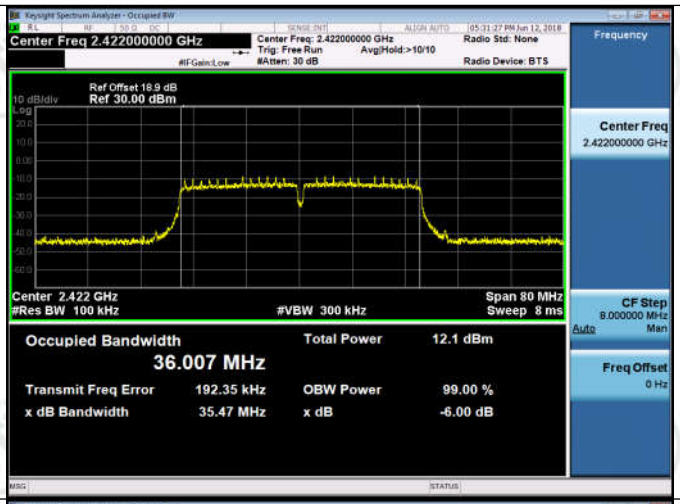
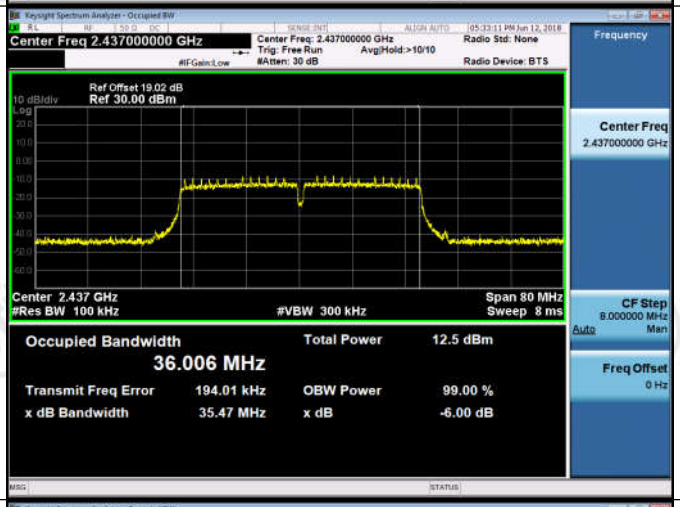
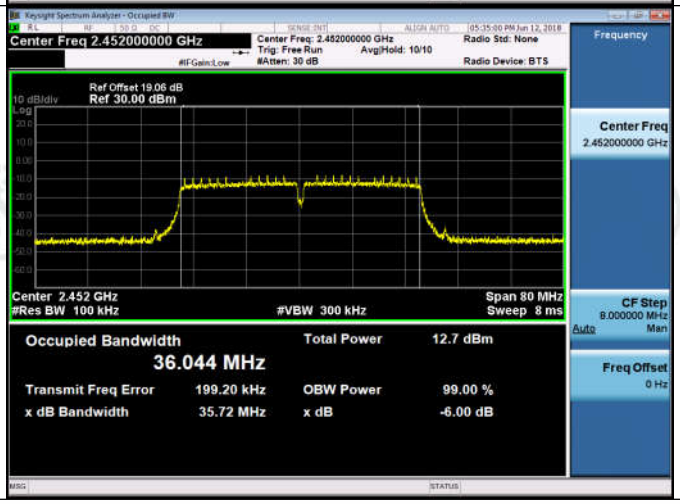
Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict	Remark
11B	LCH	10.04	15.019	PASS	Peak detector
11B	MCH	9.097	15.000	PASS	
11B	HCH	10.07	15.021	PASS	
11G	LCH	16.34	16.500	PASS	
11G	MCH	16.34	16.501	PASS	
11G	HCH	16.35	16.493	PASS	
11N20SISO	LCH	17.57	17.700	PASS	
11N20SISO	MCH	17.57	17.685	PASS	
11N20SISO	HCH	17.58	17.678	PASS	
11N40SISO	LCH	35.47	36.007	PASS	
11N40SISO	MCH	35.47	36.006	PASS	
11N40SISO	HCH	35.72	36.044	PASS	

Test Graph

Graphs		
11B/LCH		
11B/MCH		
11B/HCH		

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

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

11N40SISO/LCH			
11N40SISO/MCH			
11N40SISO/HCH			

Appendix C): Band-edge for RF Conducted Emissions

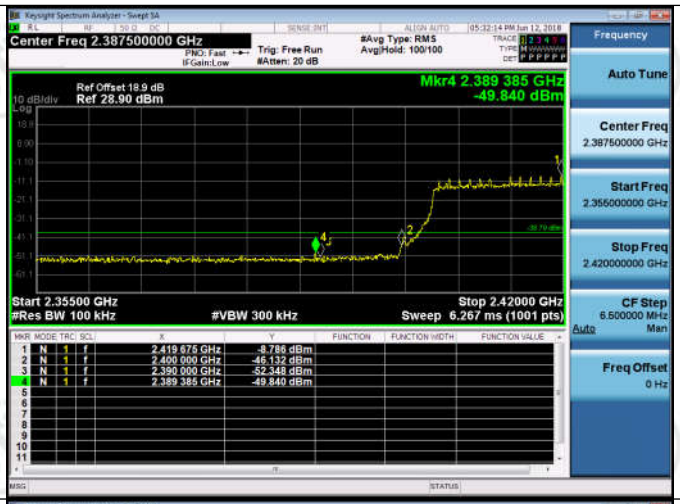
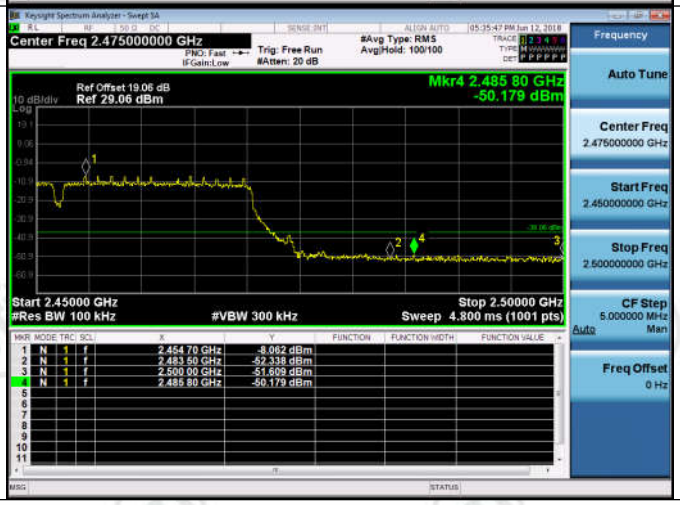
Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.206	-50.101	-26.79	PASS
11B	HCH	3.567	-49.640	-26.43	PASS
11G	LCH	-4.688	-50.264	-34.69	PASS
11G	HCH	-3.214	-49.904	-33.21	PASS
11N20SISO	LCH	-5.263	-50.395	-35.26	PASS
11N20SISO	HCH	-4.661	-50.154	-34.66	PASS
11N40SISO	LCH	-8.786	-49.840	-38.79	PASS
11N40SISO	HCH	-8.062	-50.179	-38.06	PASS

Test Graph

Graphs		
11B/LCH		
11B/HCH		
11G/LCH		

11G/HCH			
11N20SISO/LCH			
11N20SISO/HCH			

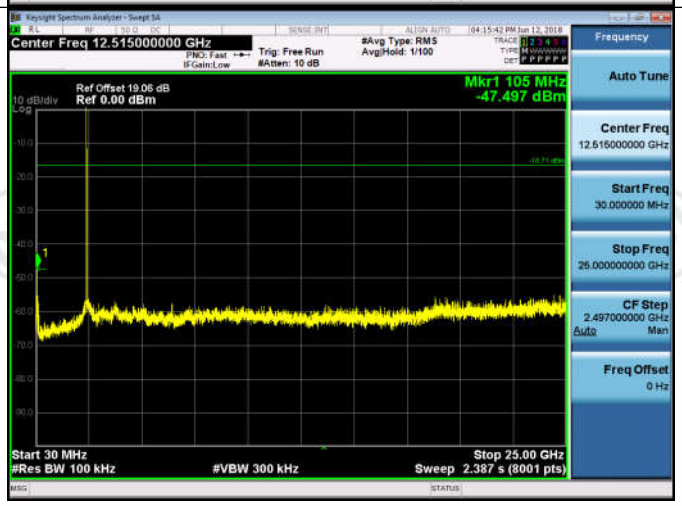
11N40SISO/LCH			
11N40SISO/HCH			

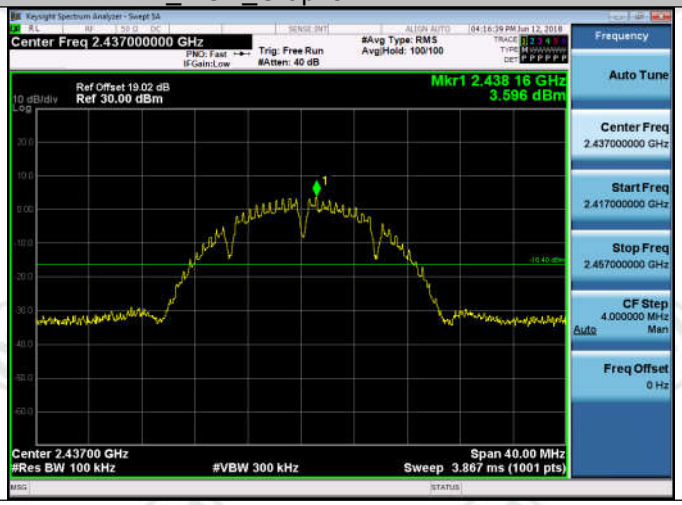
Appendix D): RF Conducted Spurious Emissions

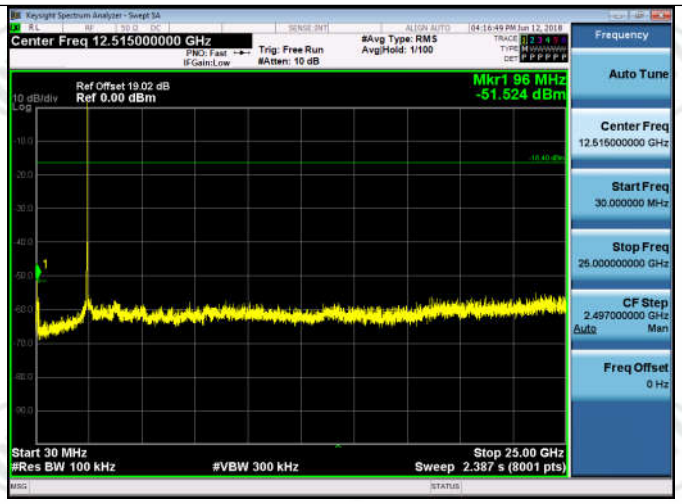
Result Table

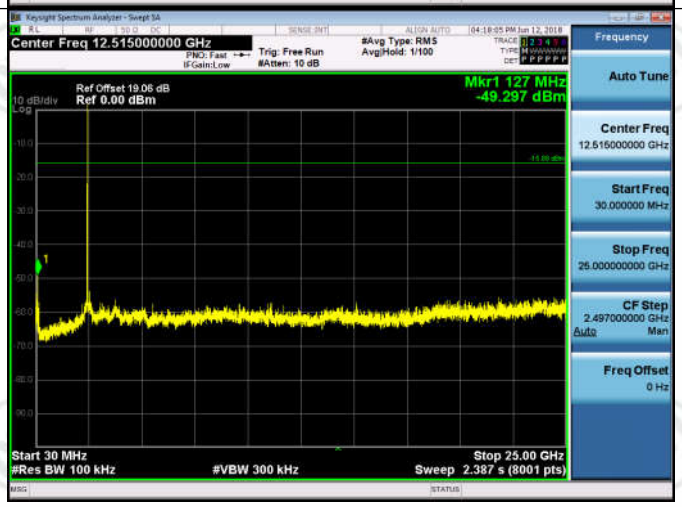
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	3.292	<Limit	PASS
11B	MCH	3.596	<Limit	PASS
11B	HCH	4.11	<Limit	PASS
11G	LCH	-4.531	<Limit	PASS
11G	MCH	-4.295	<Limit	PASS
11G	HCH	-3.63	<Limit	PASS
11N20SISO	LCH	-5.578	<Limit	PASS
11N20SISO	MCH	-4.714	<Limit	PASS
11N20SISO	HCH	-4.21	<Limit	PASS
11N40SISO	LCH	-8.627	<Limit	PASS
11N40SISO	MCH	-8.193	<Limit	PASS
11N40SISO	HCH	-7.887	<Limit	PASS

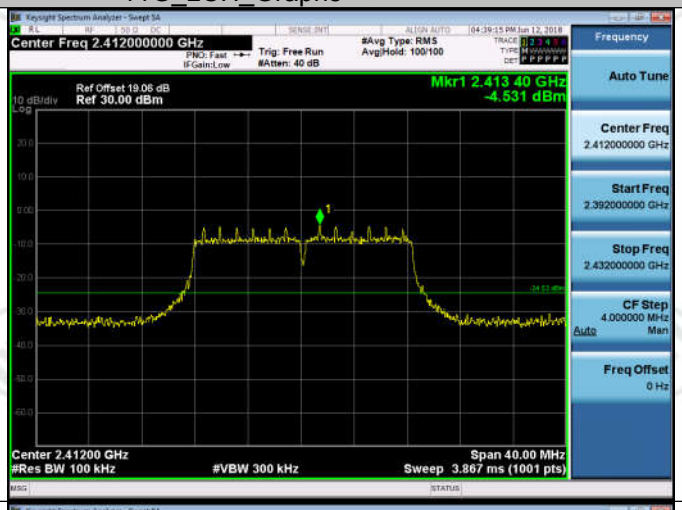
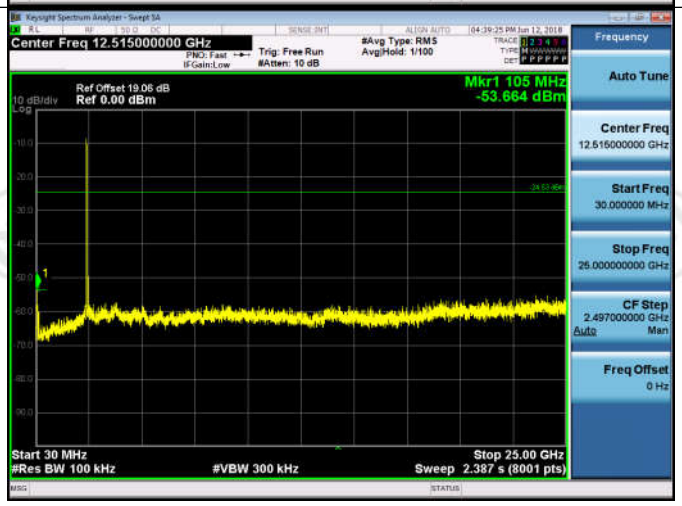
Test Graph

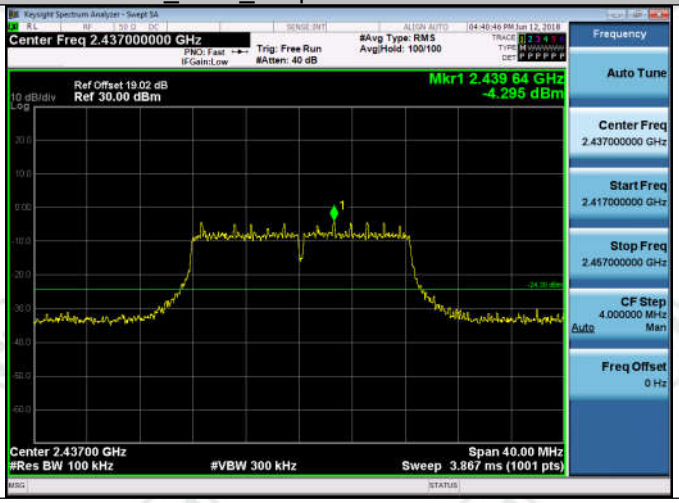
11B_LCH_Graphs	
Pref/11B/LCH	
Puw/11B/LCH	

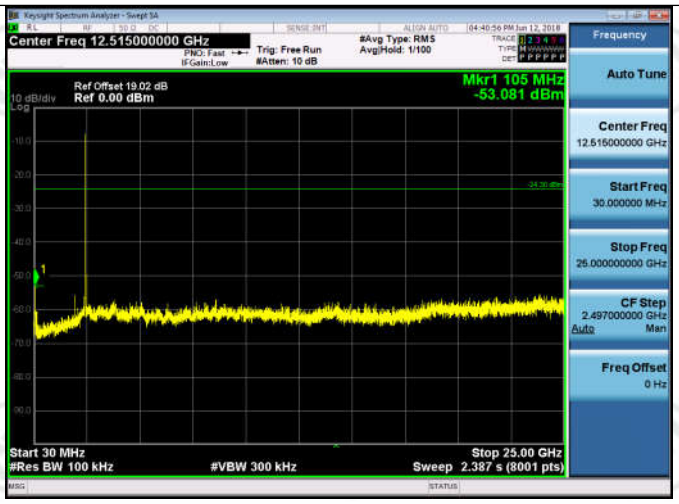
11B_MCH_Graphs	
Pref/11B/MCH	

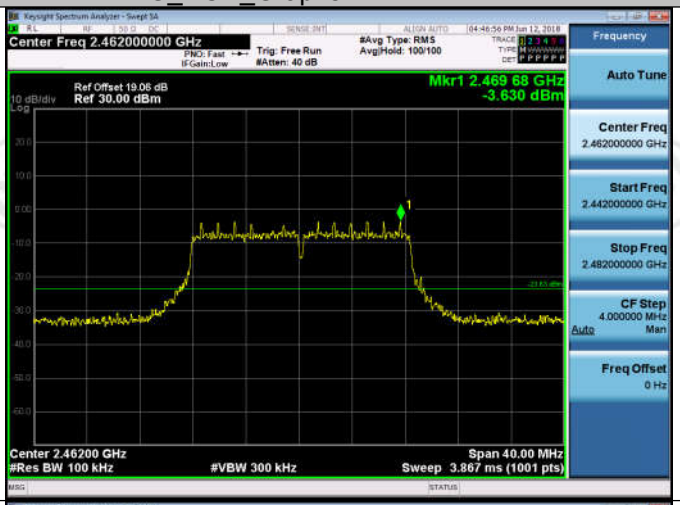
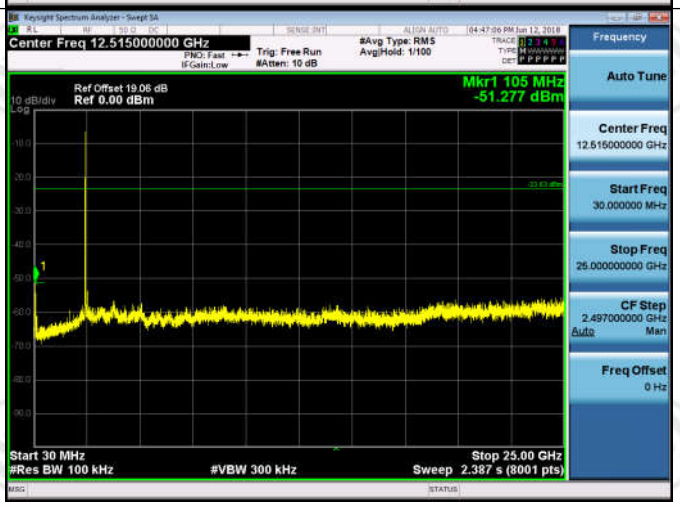
Puw/11B/MCH	

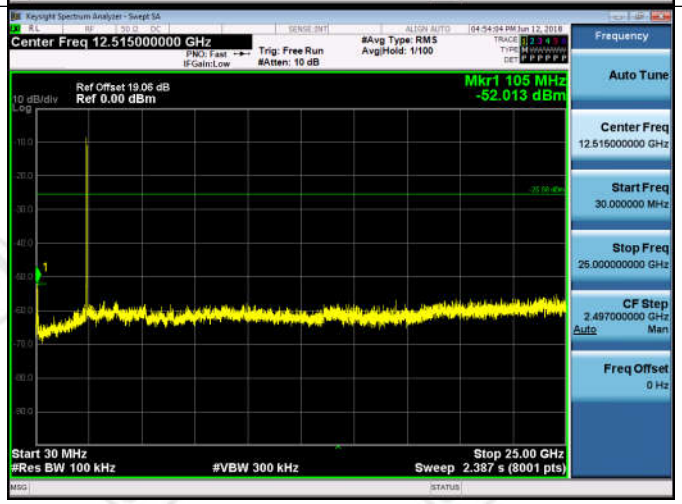
11B_HCH_Graphs	
Pref/11B/HCH	
Puw/11B/HCH	

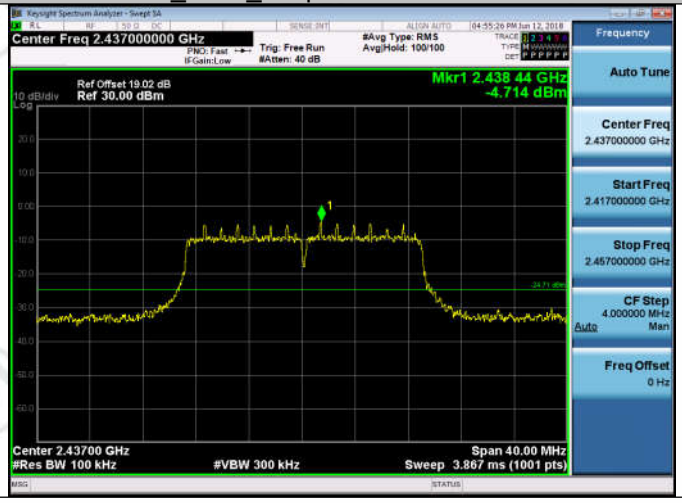
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

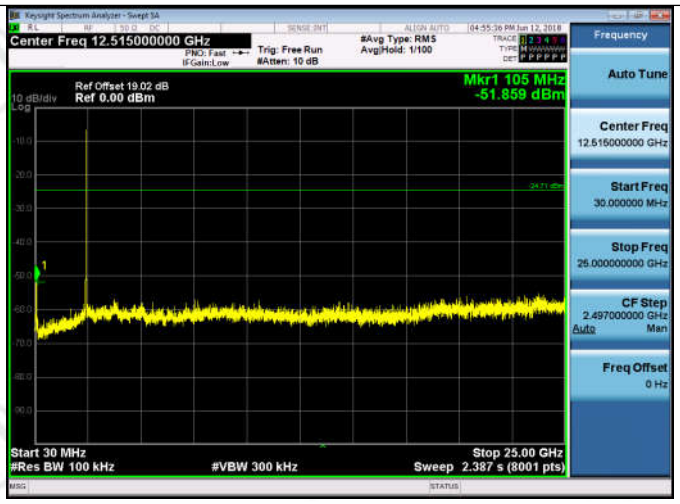
11G_MCH_Graphs		
Pref/11G/MCH		

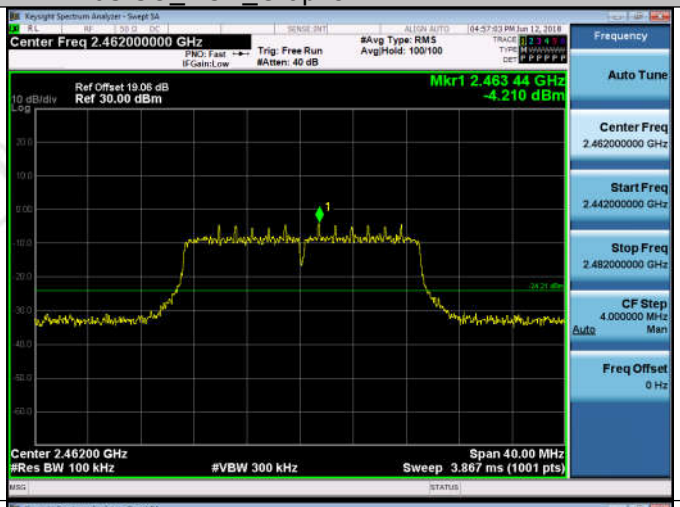
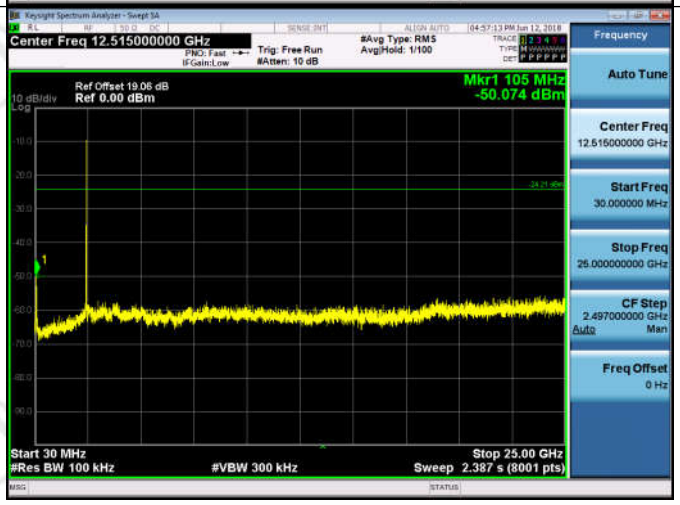
Puw/11G/MCH	

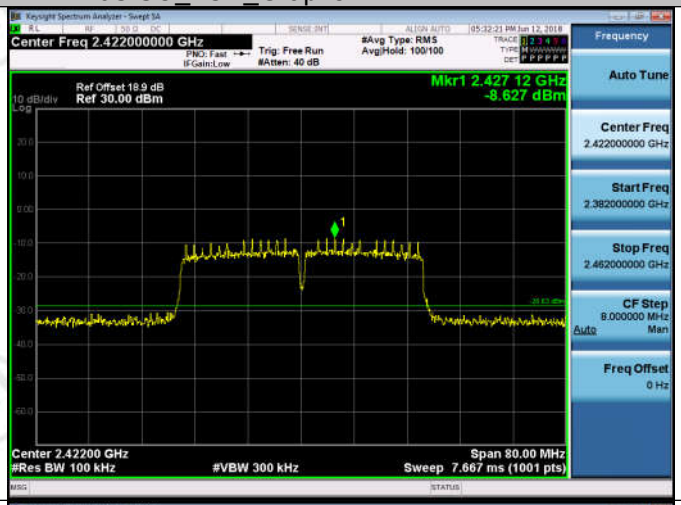
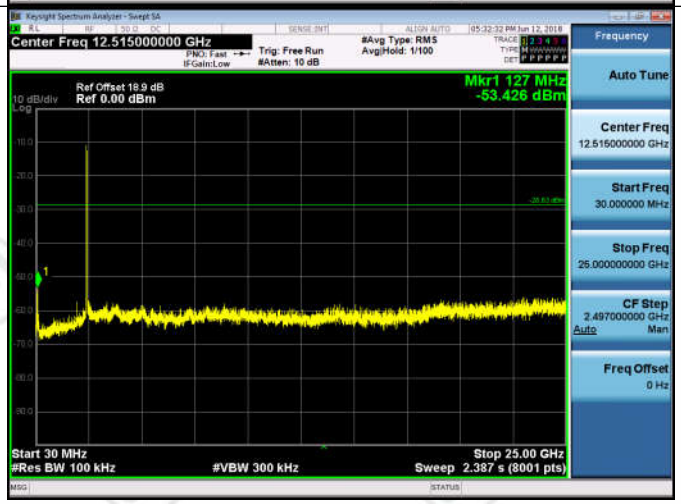
11G_HCH_Graphs	
Pref/11G/HCH	
Puw/11G/HCH	

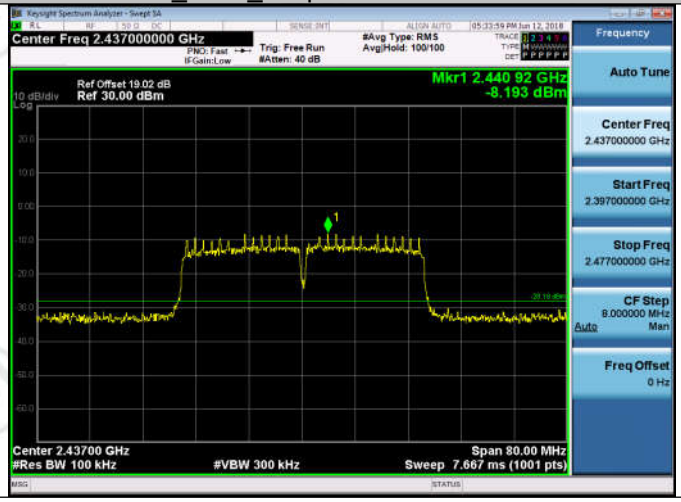
11N20SISO_LCH_Graphs	
Pref/11N20SISO/LCH	
/11N20SISO/LCH	

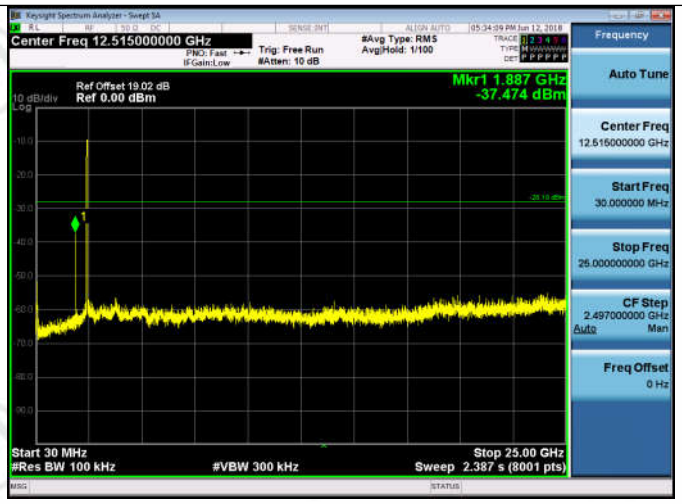
11N20SISO_MCH_Graphs	
Pref/11N20SISO/MCH	

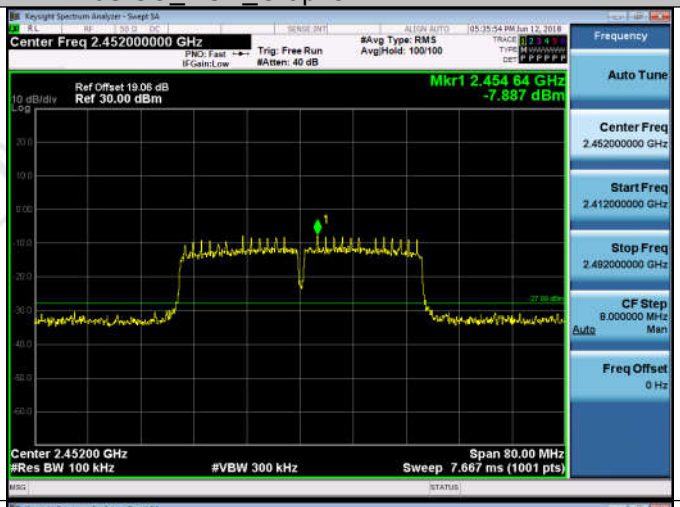
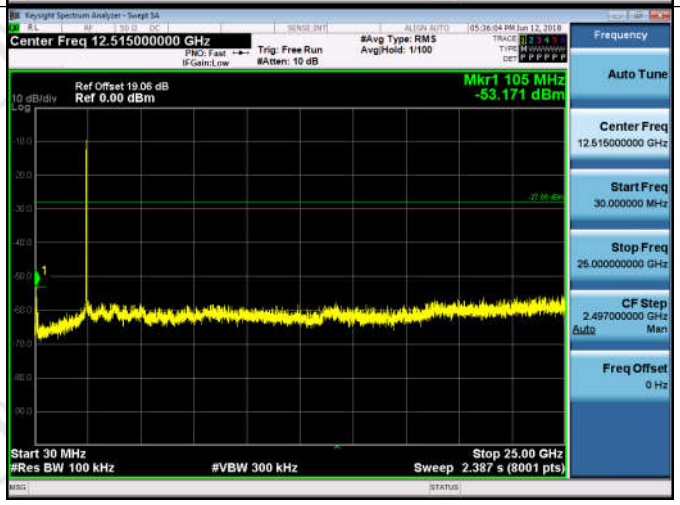
Puw/11N20SISO/MCH	

11N20SISO_HCH_Graphs	
Pref/11N20SISO/HCH	
Puw/11N20SISO/HCH	

11N40SISO_LCH_Graphs	
Pref/11N40SISO/LCH	
Puw/11N40SISO/LCH	

11N40SISO_MCH_Graphs	
Pref/11N40SISO/MCH	

Puw/11N40SISO/MCH	

11N40SISO_HCH_Graphs	
Pref/11N40SISO/HCH	
Puw/11N40SISO/HCH	

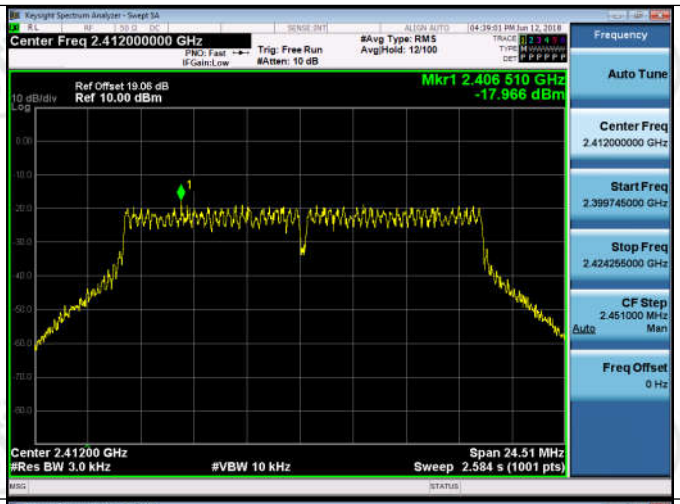
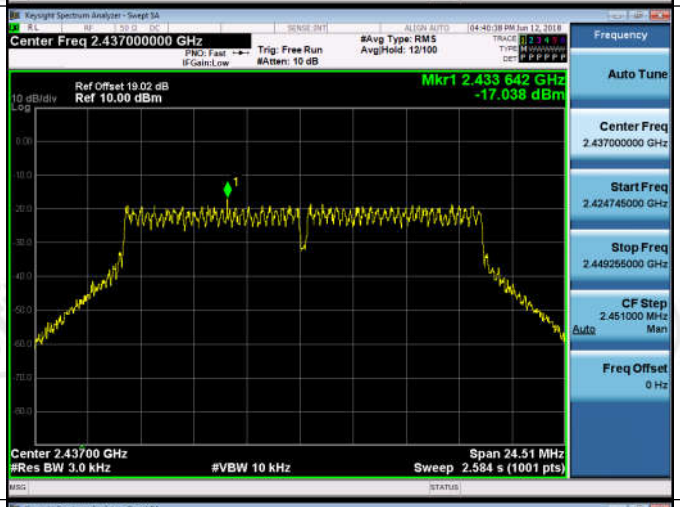
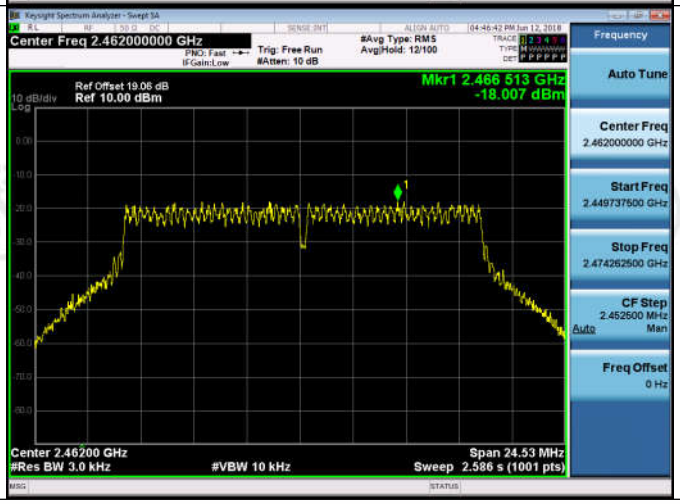
Appendix E): Power Spectral Density

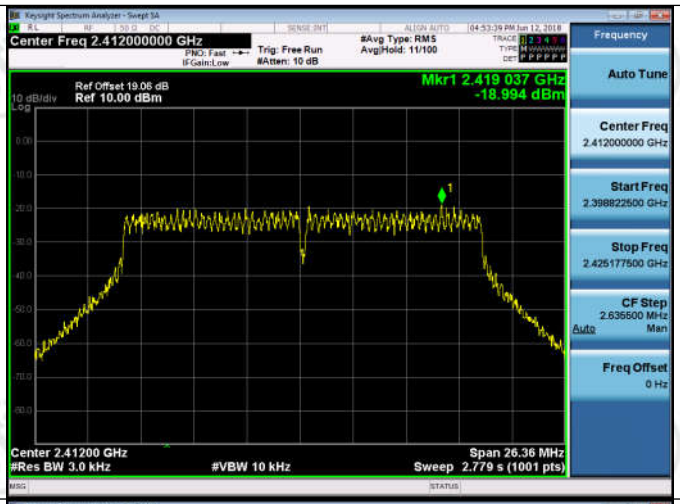
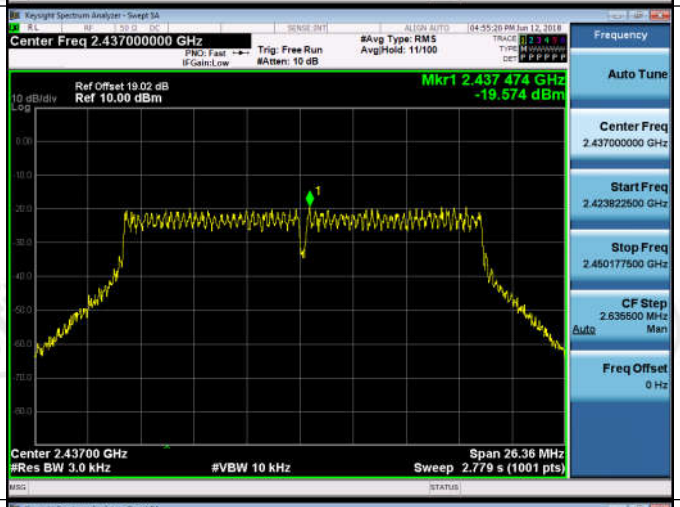
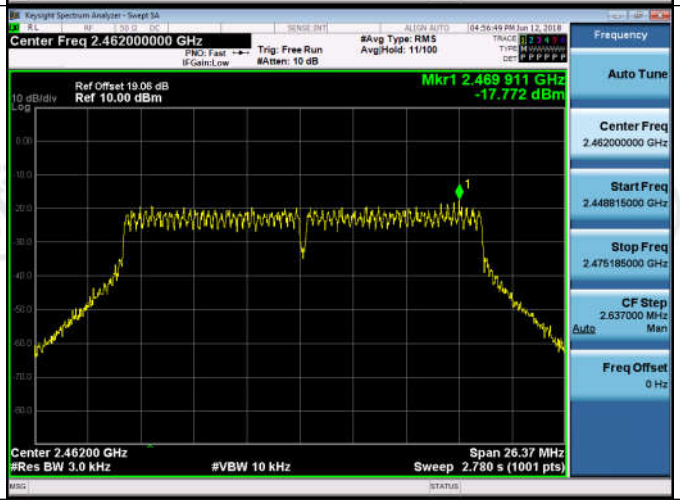
Result Table

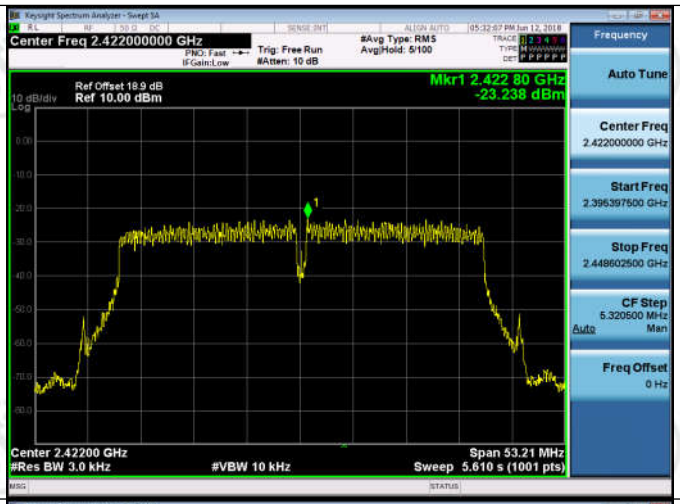
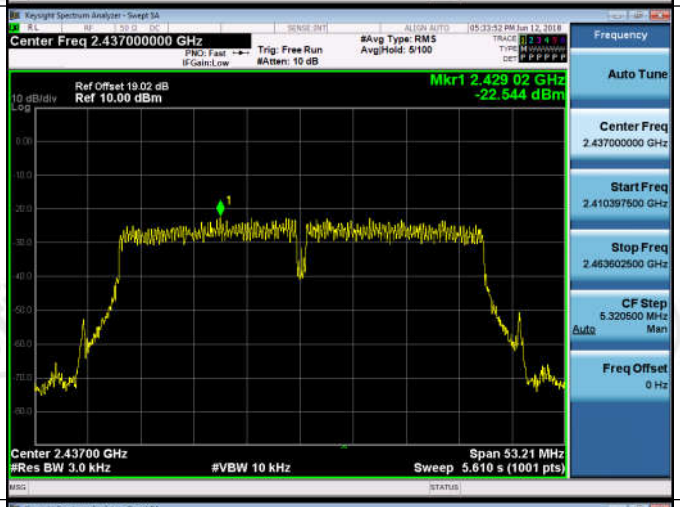
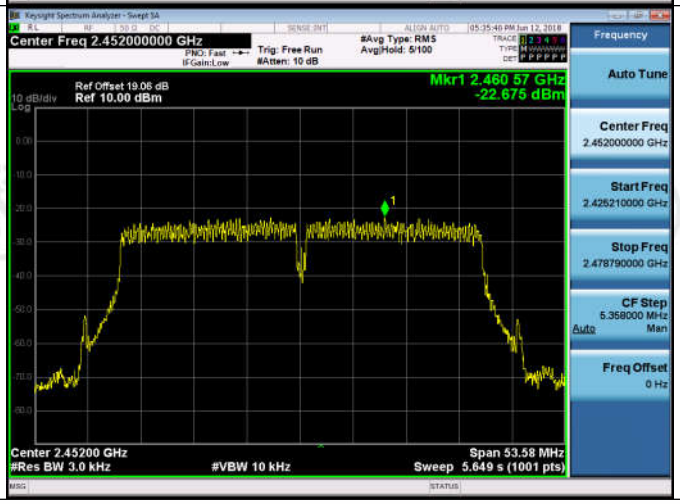
Mode	Channel	Power Spectral Density[dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	LCH	-9.950	8	PASS
11B	MCH	-9.760	8	PASS
11B	HCH	-10.709	8	PASS
11G	LCH	-17.966	8	PASS
11G	MCH	-17.038	8	PASS
11G	HCH	-18.007	8	PASS
11N20SISO	LCH	-18.994	8	PASS
11N20SISO	MCH	-19.574	8	PASS
11N20SISO	HCH	-17.772	8	PASS
11N40SISO	LCH	-23.238	8	PASS
11N40SISO	MCH	-22.544	8	PASS
11N40SISO	HCH	-22.675	8	PASS

Test Graph

Graphs		
11B/LCH		
11B/MCH		
11B/HCH		

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

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

11N40SISO/LCH			
11N40SISO/MCH			
11N40SISO/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.

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.5dBi.

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 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded. 3)The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.
Limit:	

Frequency range (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

NOTE : The lower limit is applicable at the transition frequency

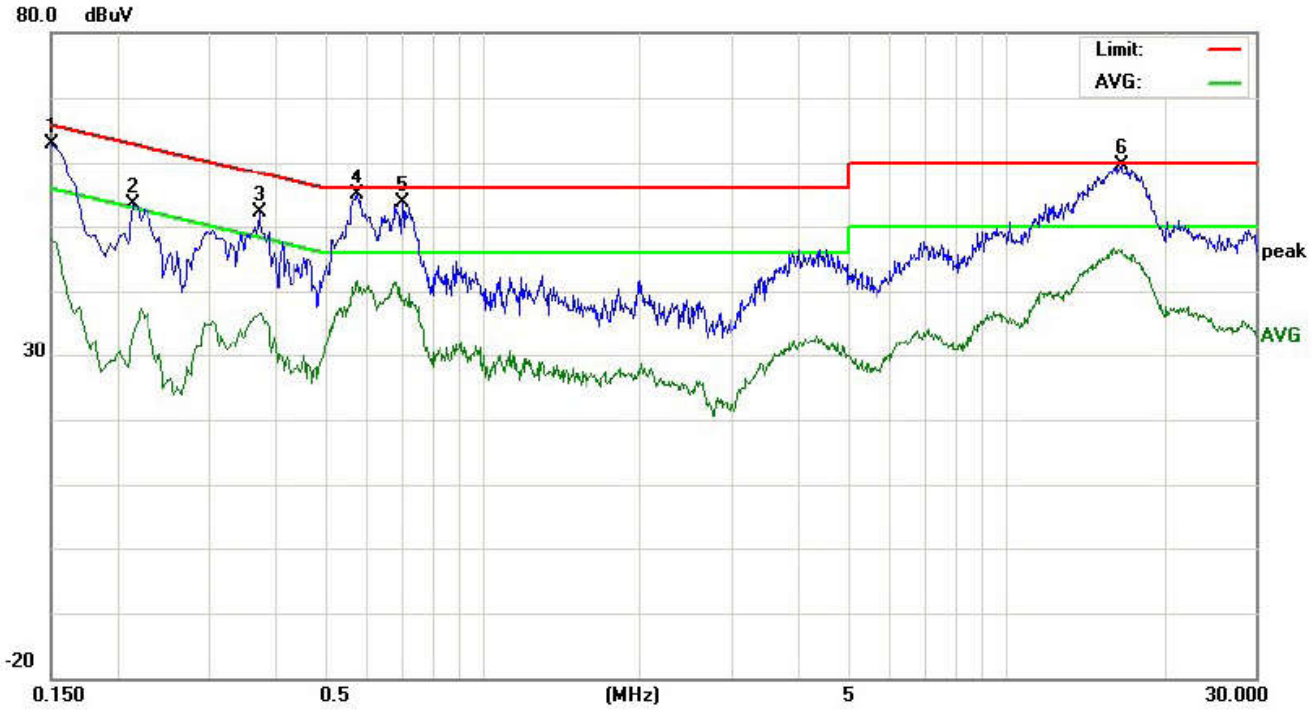
Measurement Data

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

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

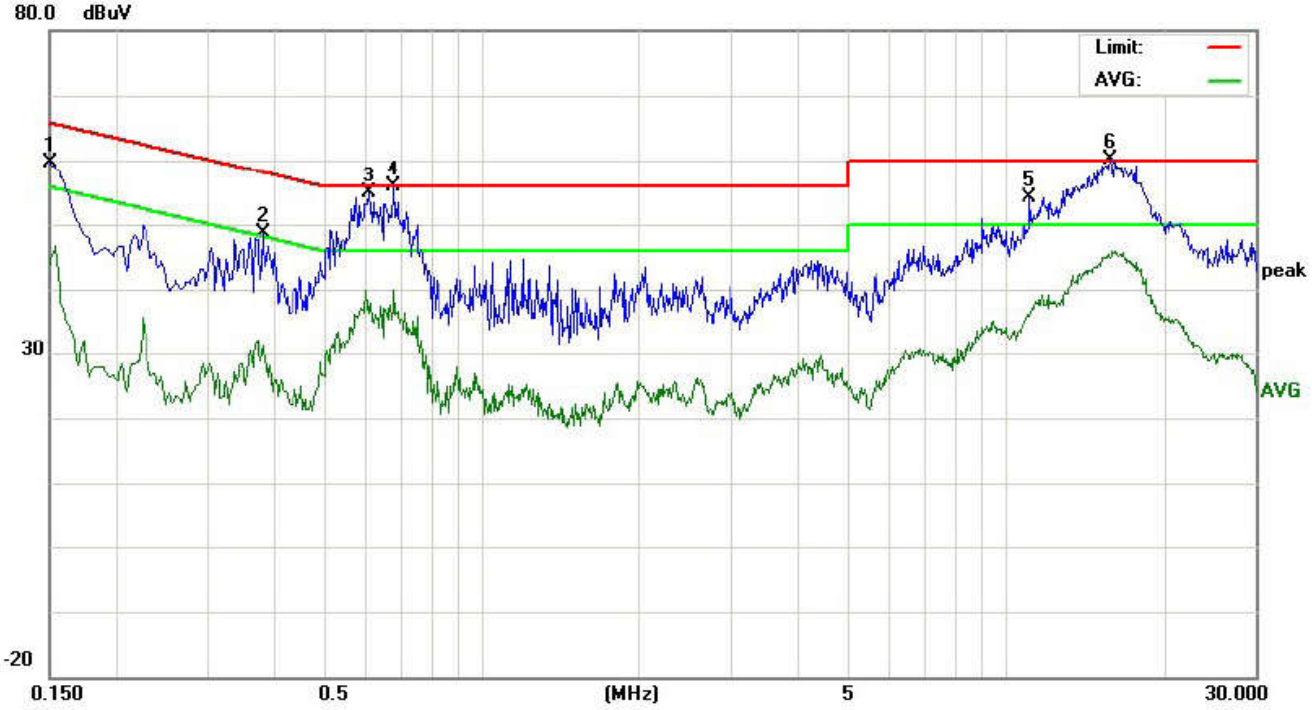
GE0151U-050300

Live line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1500	53.08	50.26	38.25	9.77	62.85	60.03	48.02	65.99	55.99	-5.96	-7.97	P	
2	0.2140	43.58	40.22	23.77	9.72	53.30	49.94	33.49	63.04	53.04	-13.10	-19.55	P	
3	0.3740	42.31	39.66	26.75	9.76	52.07	49.42	36.51	58.41	48.41	-8.99	-11.90	P	
4	0.5780	45.04	41.42	30.76	9.74	54.78	51.16	40.50	56.00	46.00	-4.84	-5.50	P	
5	0.7019	43.84	37.64	28.85	9.75	53.59	47.39	38.60	56.00	46.00	-8.61	-7.40	P	
6	16.6020	49.52	45.30	36.14	10.03	59.55	55.33	46.17	60.00	50.00	-4.67	-3.83	P	

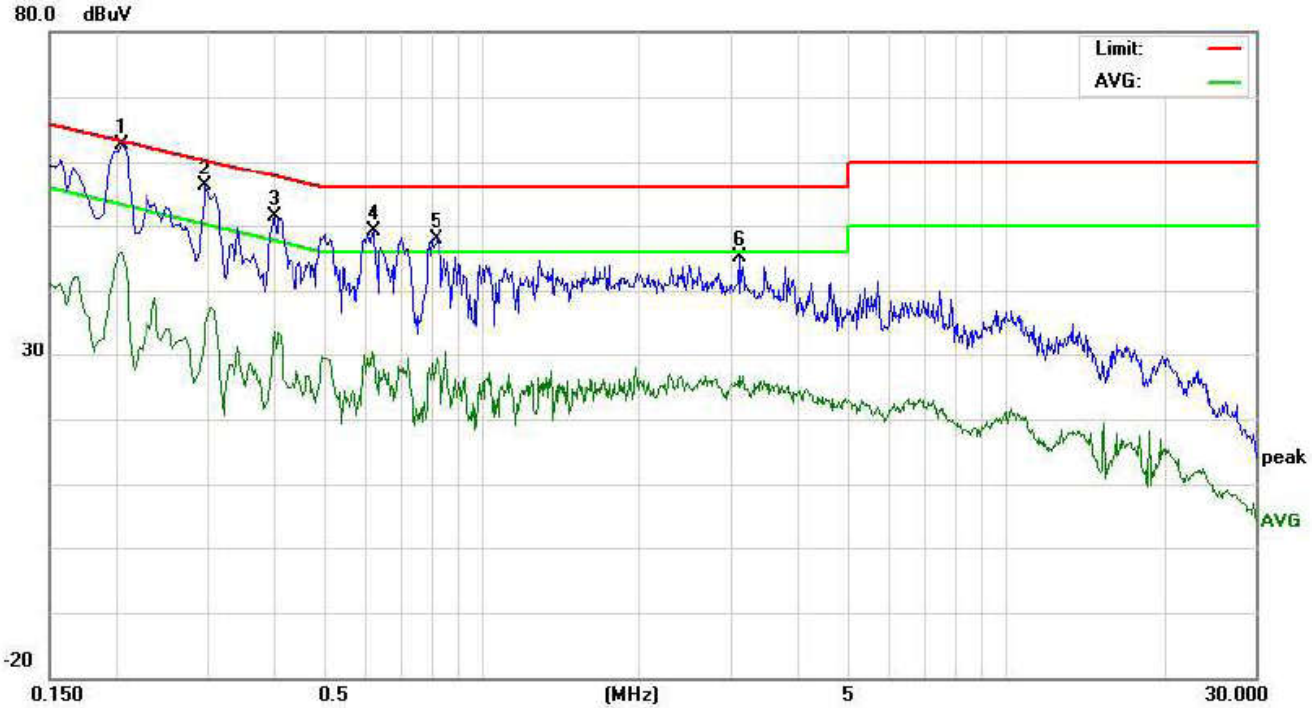
Neutral line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1500	49.74	46.38	34.20	9.77	59.51	56.15	43.97	65.99	55.99	-9.84	-12.02	P	
2	0.3820	38.90	35.69	21.41	9.76	48.66	45.45	31.17	58.23	48.23	-12.78	-17.06	P	
3	0.6102	45.11	35.85	23.59	9.75	54.86	45.60	33.34	56.00	46.00	-10.40	-12.66	P	
4	0.6820	46.15	35.50	22.93	9.75	55.90	45.25	32.68	56.00	46.00	-10.75	-13.32	P	
5	11.1780	44.37	41.28	25.98	9.84	54.21	51.12	35.82	60.00	50.00	-8.88	-14.18	P	
6	15.8300	50.17	43.23	33.53	10.02	60.19	53.25	43.55	60.00	50.00	-6.75	-6.45	P	

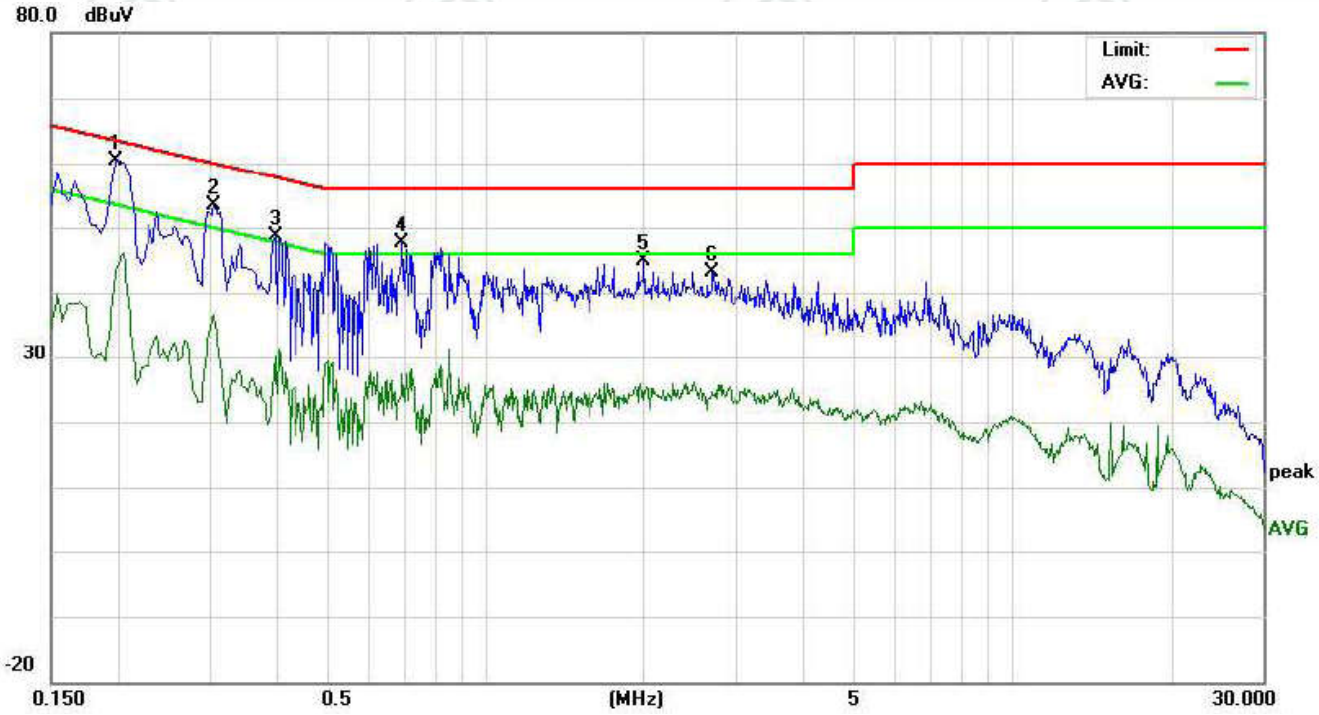
QC01

Live line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.2060	52.97	49.12	33.89	9.71	62.68	58.83	43.60	63.36	53.36	-4.53	-9.76	P	
2	0.2980	46.24	42.58	25.17	9.78	56.02	52.36	34.95	60.30	50.30	-7.94	-15.35	P	
3	0.4020	41.71	37.84	24.00	9.75	51.46	47.59	33.75	57.81	47.81	-10.22	-14.06	P	
4	0.6260	39.46	36.12	20.05	9.75	49.21	45.87	29.80	56.00	46.00	-10.13	-16.20	P	
5	0.8260	38.19	34.59	18.95	9.74	47.93	44.33	28.69	56.00	46.00	-11.67	-17.31	P	
6	3.1220	35.36	32.10	16.87	9.68	45.04	41.78	26.55	56.00	46.00	-14.22	-19.45	P	

Neutral line:



No.	Freq.	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)			
	MHz	Peak	QP	AVG	dB	peak	QP	AVG	QP	AVG	QP	AVG	P/F	Comment
1	0.1980	50.76	47.43	30.40	9.71	60.47	57.14	40.11	63.69	53.69	-6.55	-13.58	P	
2	0.3060	43.52	40.10	26.88	9.78	53.30	49.88	36.66	60.08	50.08	-10.20	-13.42	P	
3	0.3980	38.89	35.24	20.46	9.75	48.64	44.99	30.21	57.89	47.89	-12.90	-17.68	P	
4	0.6940	37.76	35.10	17.55	9.75	47.51	44.85	27.30	56.00	46.00	-11.15	-18.70	P	
5	2.0100	35.08	32.55	14.95	9.72	44.80	42.27	24.67	56.00	46.00	-13.73	-21.33	P	
6	2.6940	33.43	30.17	14.82	9.70	43.13	39.87	24.52	56.00	46.00	-16.13	-21.48	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:

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

Above 1GHz test procedure as below:

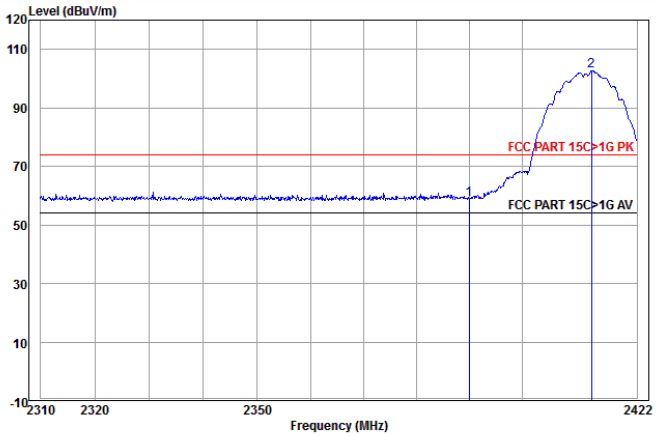
g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter).
h. Test the EUT in the lowest channel , the Highest channel
i. The radiation measurements are 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

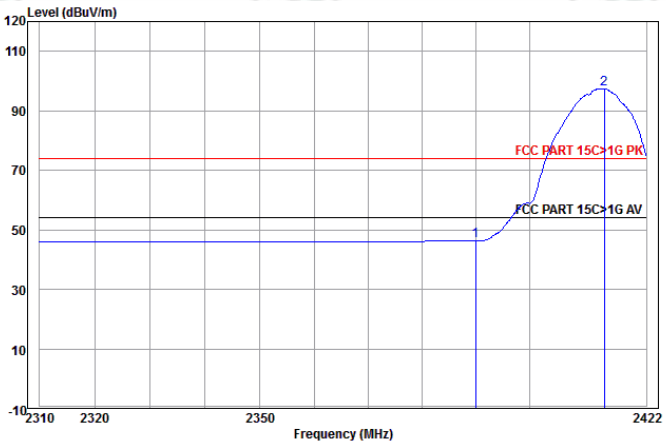
Test plot as follows:

Worse case mode:	802.11b (11Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



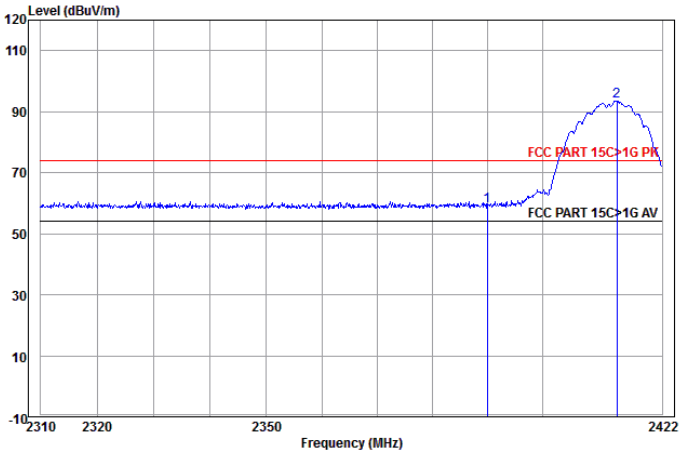
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.25	58.85	74.00	-15.15	Horizontal	Peak
2 pp	2413.301	32.58	3.08	66.90	102.56	74.00	28.56	Horizontal	Peak

Worse case mode:	802.11b (11Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average



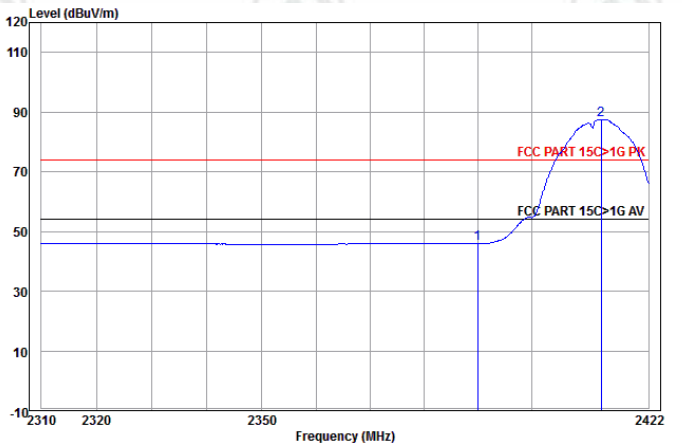
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.71	46.31	54.00	-7.69	Horizontal	Average
2 pp	2414.101	32.58	3.08	61.81	97.47	54.00	43.47	Horizontal	Average

Worse case mode:	802.11b (11Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



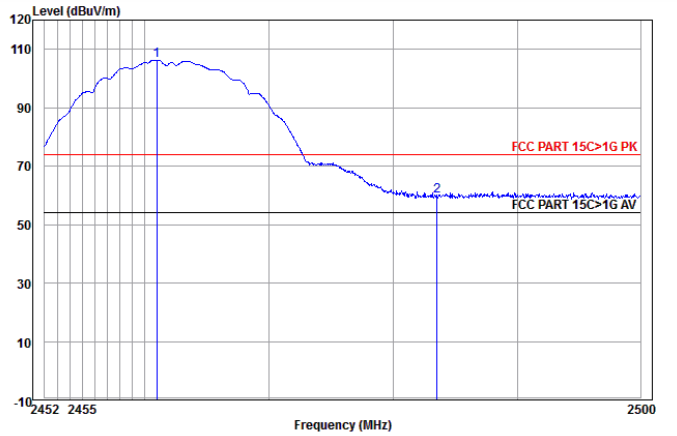
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.59	59.19	74.00	-14.81	Vertical	Peak
2 pp	2413.643	32.58	3.08	57.82	93.48	74.00	19.48	Vertical	Peak

Worse case mode:	802.11b (11Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



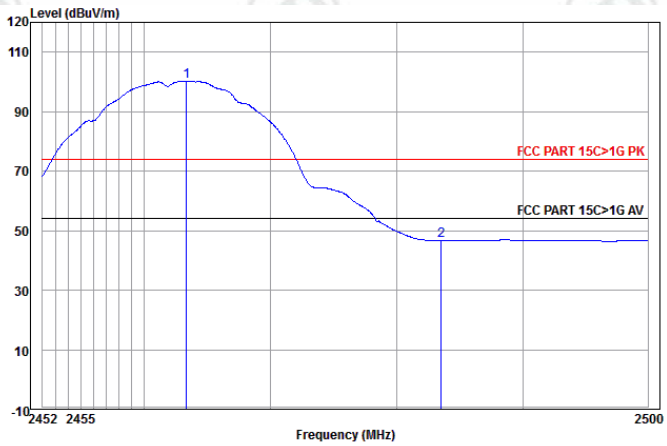
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.45	46.05	54.00	-7.95	Vertical	Average
2 pp	2413.072	32.58	3.08	51.81	87.47	54.00	33.47	Vertical	Average

Worse case mode:	802.11b (11Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



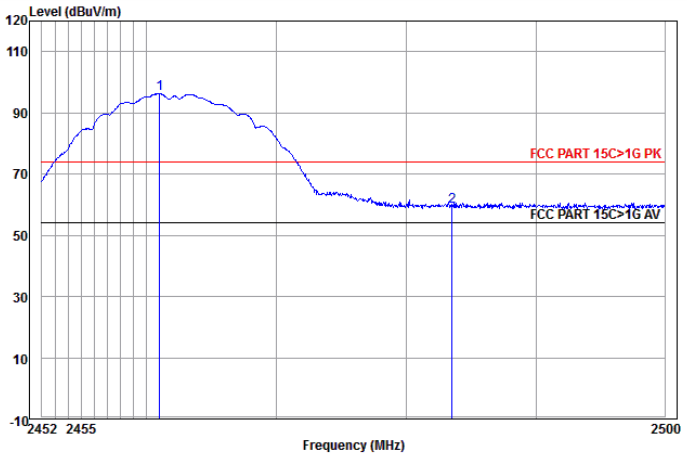
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2460.953	32.67	3.11	70.46	106.24	74.00	32.24	Horizontal	Peak
2	2483.500	32.71	3.12	24.05	59.88	74.00	-14.12	Horizontal	Peak

Worse case mode:	802.11b (11Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark: Average



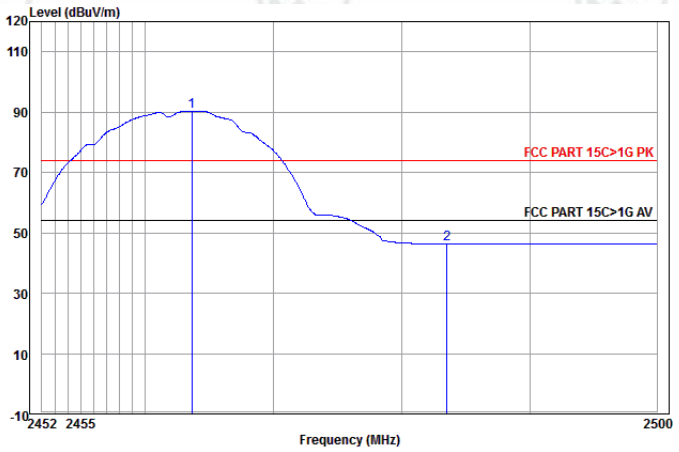
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.340	32.68	3.11	64.38	100.17	54.00	46.17	Horizontal	Average
2	2483.500	32.71	3.12	10.85	46.68	54.00	-7.32	Horizontal	Average

Worse case mode:	802.11b (11Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



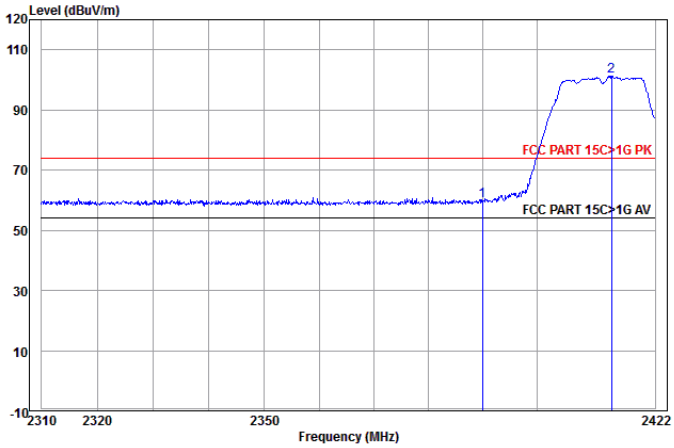
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2461.001	32.67	3.11	60.42	96.20	74.00	22.20	Vertical	Peak
2	2483.500	32.71	3.12	23.57	59.40	74.00	-14.60	Vertical	Peak

Worse case mode:	802.11b (11Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Average



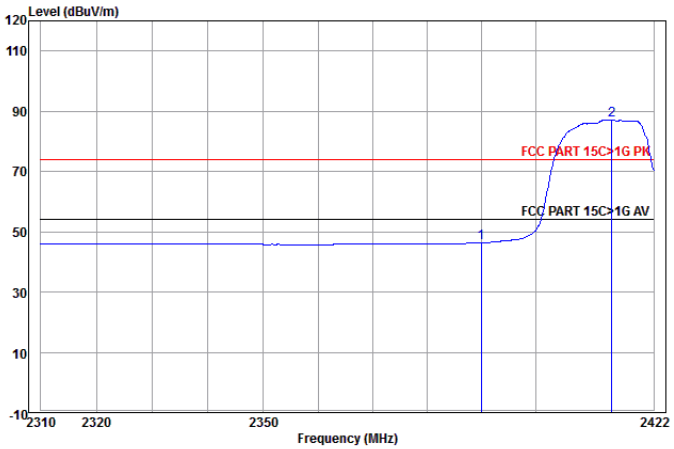
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.626	32.68	3.11	54.57	90.36	54.00	36.36	Vertical	Average
2	2483.500	32.71	3.12	10.51	46.34	54.00	-7.66	Vertical	Average

Worse case mode:	802.11g (6Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



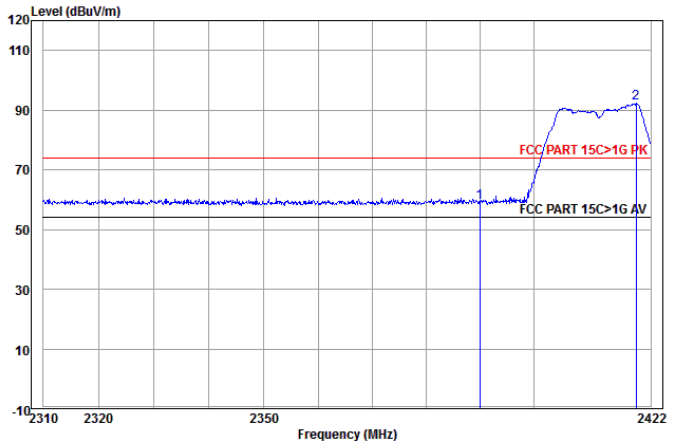
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	24.06	59.66	74.00	-14.34	Horizontal	Peak
2 pp	2413.872	32.58	3.08	65.72	101.38	74.00	27.38	Horizontal	Peak

Worse case mode:	802.11g (6Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average



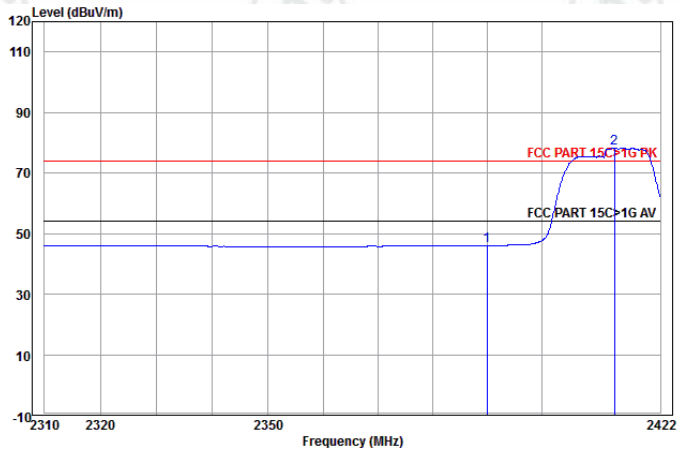
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.74	46.34	54.00	-7.66	Horizontal	Average
2 pp	2414.215	32.58	3.08	51.42	87.08	54.00	33.08	Horizontal	Average

Worse case mode:	802.11g (6Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



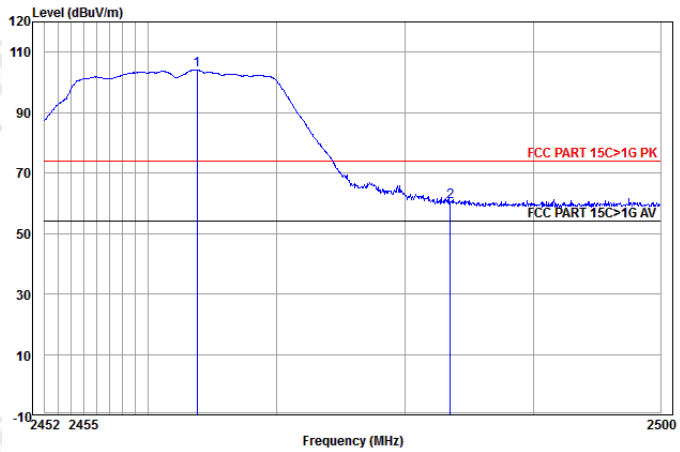
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.49	59.09	74.00	-14.91	Vertical	Peak
2 pp	2419.250	32.59	3.08	56.56	92.23	74.00	18.23	Vertical	Peak

Worse case mode:	802.11g (6Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



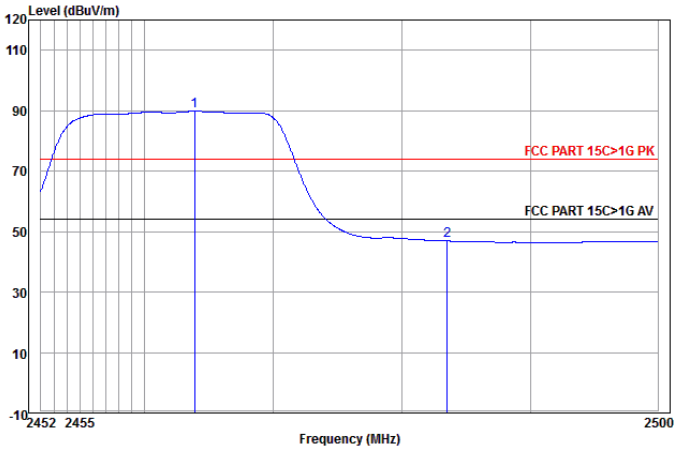
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.43	46.03	54.00	-7.97	Vertical	Average
2 pp	2413.529	32.58	3.08	42.51	78.17	54.00	24.17	Vertical	Average

Worse case mode:	802.11g (6Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



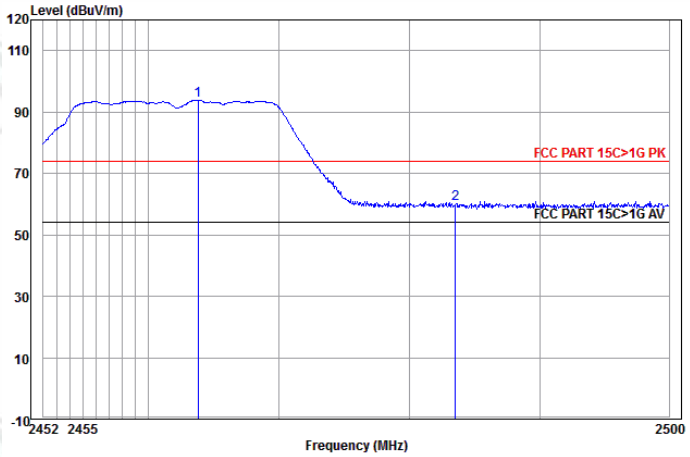
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.770	32.68	3.11	68.33	104.12	74.00	30.12	Horizontal	Peak
2	2483.500	32.71	3.12	24.49	60.32	74.00	-13.68	Horizontal	Peak

Worse case mode:	802.11g (6Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark: Average



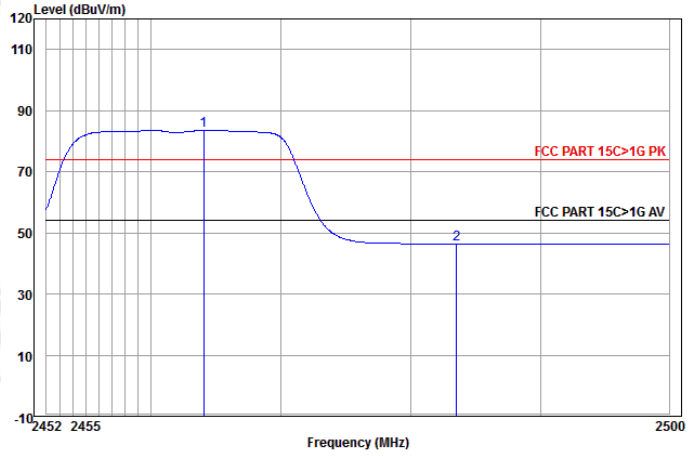
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.865	32.68	3.11	54.02	89.81	54.00	35.81	Horizontal	Average
2	2483.500	32.71	3.12	11.05	46.88	54.00	-7.12	Horizontal	Average

Worse case mode:	802.11g (6Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



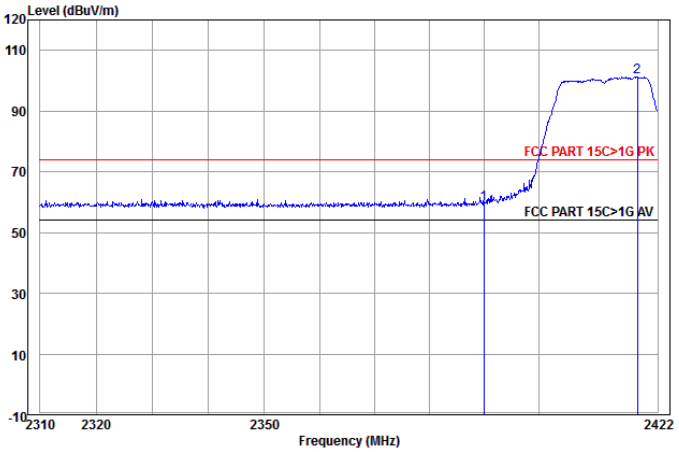
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.770	32.68	3.11	58.10	93.89	74.00	19.89	Vertical	Peak
2	2483.500	32.71	3.12	24.29	60.12	74.00	-13.88	Vertical	Peak

Worse case mode:	802.11g (6Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Average



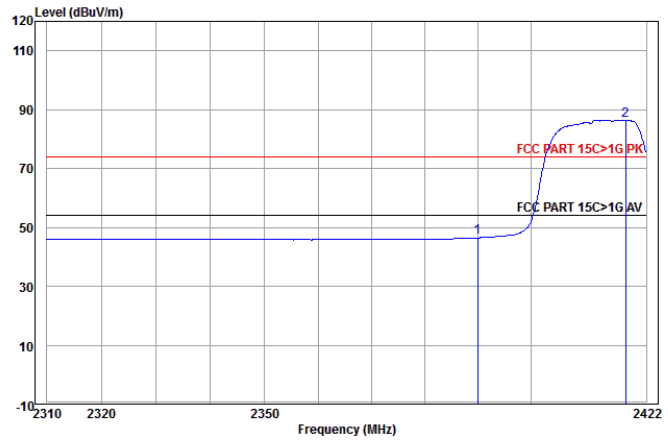
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2464.056	32.68	3.11	47.73	83.52	54.00	29.52	Vertical	Average
2	2483.500	32.71	3.12	10.54	46.37	54.00	-7.63	Vertical	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



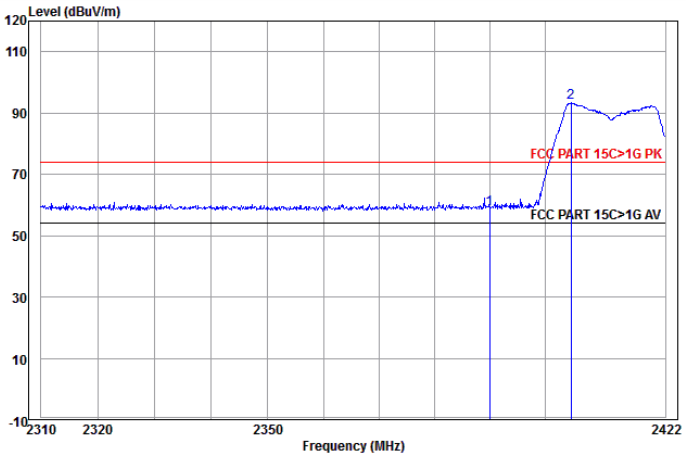
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.88	59.48	74.00	-14.52	Horizontal	Peak
2 pp	2418.219	32.59	3.08	65.48	101.15	74.00	27.15	Horizontal	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average



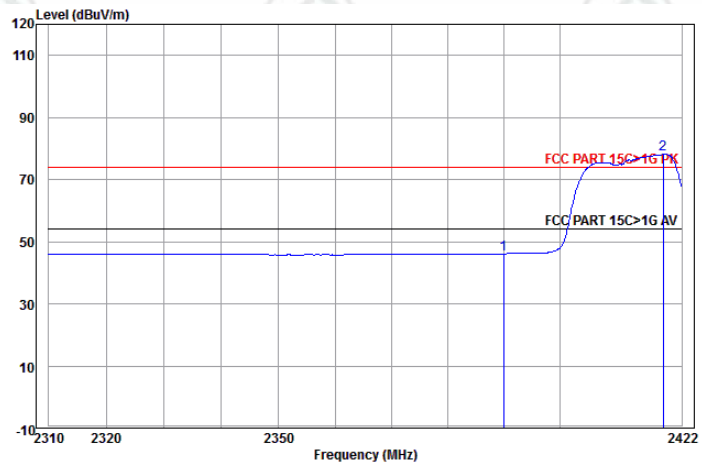
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.92	46.52	54.00	-7.48	Horizontal	Average
2 pp	2418.104	32.59	3.08	50.81	86.48	54.00	32.48	Horizontal	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



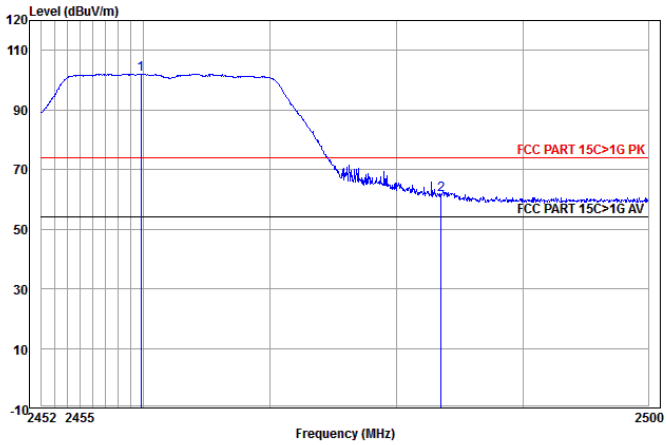
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.16	58.76	74.00	-15.24	Vertical	Peak
2 pp	2404.746	32.56	3.08	57.68	93.32	74.00	19.32	Vertical	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2412MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



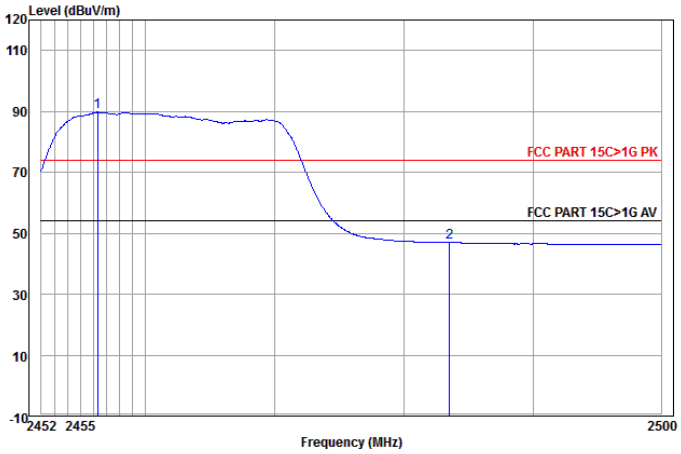
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.53	46.13	54.00	-7.87	Vertical	Average
2 pp	2418.677	32.59	3.08	42.49	78.16	54.00	24.16	Vertical	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



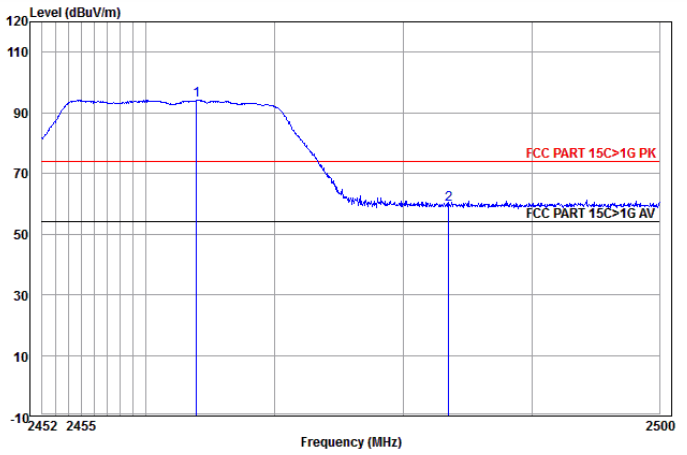
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2459.808	32.67	3.11	66.26	102.04	74.00	28.04	Horizontal	Peak
2	2483.500	32.71	3.12	25.89	61.72	74.00	-12.28	Horizontal	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Horizontal	Remark:Average



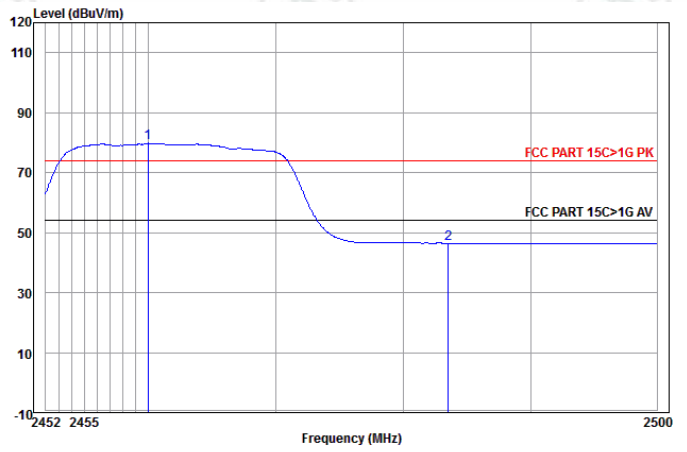
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2456.330	32.66	3.10	53.97	89.73	54.00	35.73	Horizontal	Average
2	2483.500	32.71	3.12	11.13	46.96	54.00	-7.04	Horizontal	Average

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Peak



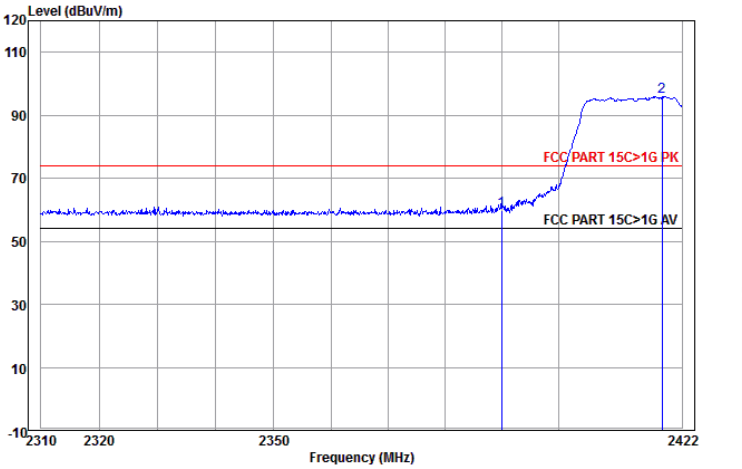
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2463.913	32.68	3.11	58.37	94.16	74.00	20.16	Vertical	Peak
2	2483.500	32.71	3.12	23.82	59.65	74.00	-14.35	Vertical	Peak

Worse case mode:	802.11n(HT20) (6.5Mbps)		
Frequency: 2462MHz	Test channel: Highest	Polarization: Vertical	Remark: Average



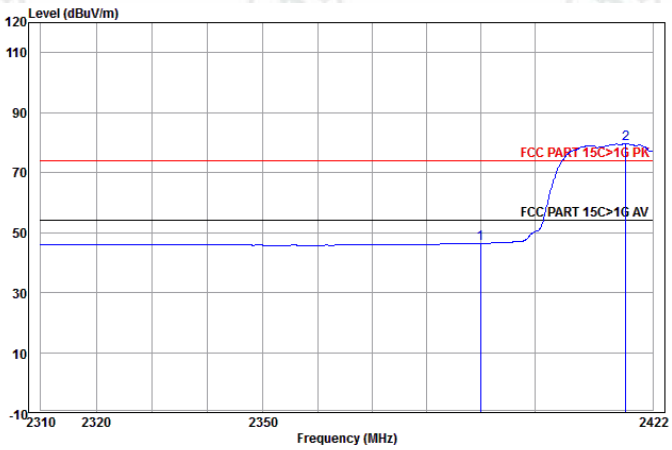
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2459.951	32.67	3.11	44.03	79.81	54.00	25.81	Vertical	Average
2	2483.500	32.71	3.12	10.63	46.46	54.00	-7.54	Vertical	Average

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2422MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Peak



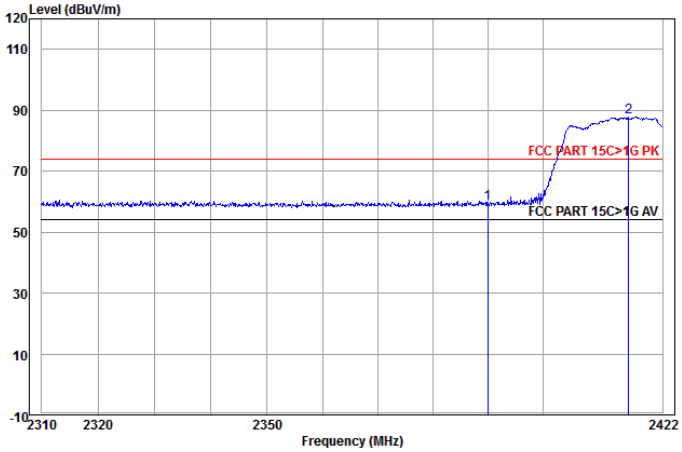
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	24.01	59.61	74.00	-14.39	Horizontal	Peak
2 pp	2418.448	32.59	3.08	60.23	95.90	74.00	21.90	Horizontal	Peak

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2422MHz	Test channel: Lowest	Polarization: Horizontal	Remark: Average



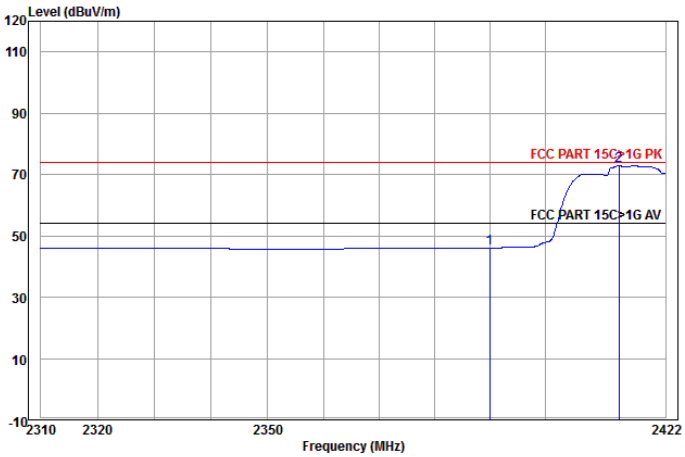
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.83	46.43	54.00	-7.57	Horizontal	Average
2 pp	2416.960	32.59	3.08	43.99	79.66	54.00	25.66	Horizontal	Average

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2422MHz	Test channel: Lowest	Polarization: Vertical	Remark: Peak



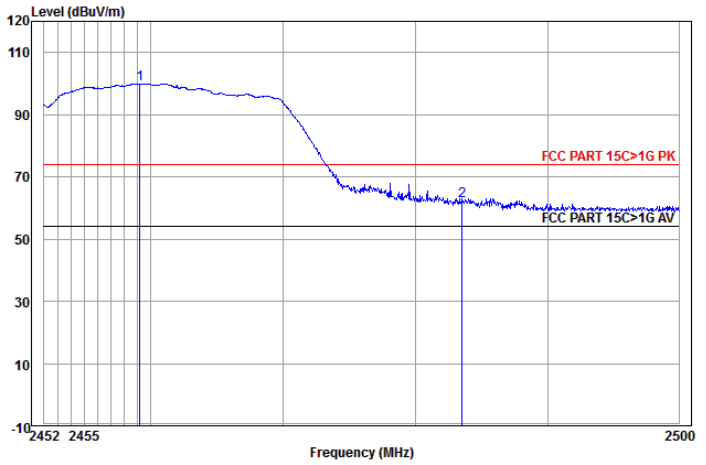
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	23.86	59.46	74.00	-14.54	Vertical	Peak
2 pp	2415.816	32.59	3.08	52.11	87.78	74.00	13.78	Vertical	Peak

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2422MHz	Test channel: Lowest	Polarization: Vertical	Remark: Average



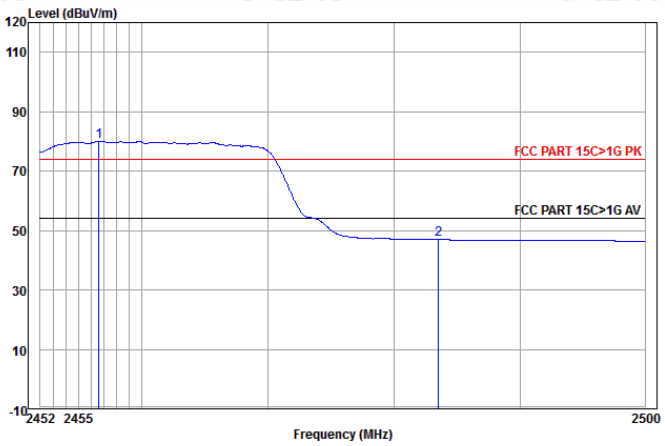
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2390.000	32.53	3.07	10.48	46.08	54.00	-7.92	Vertical	Average
2 pp	2413.529	32.58	3.08	37.15	72.81	54.00	18.81	Vertical	Average

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2452MHz	Test channel: Highest	Polarization: Horizontal	Remark: Peak



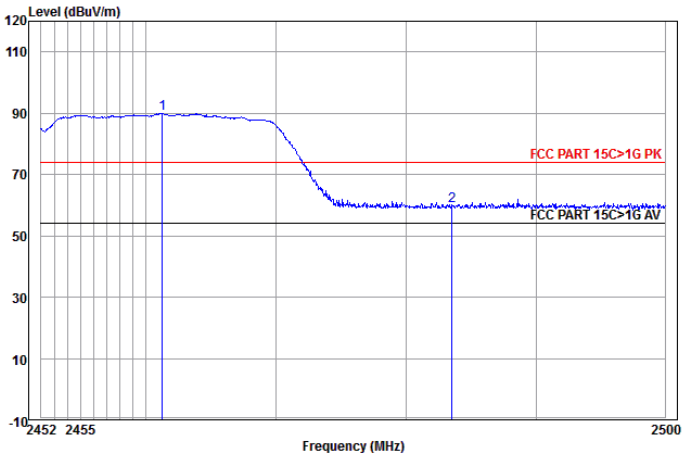
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2459.188	32.67	3.11	64.16	99.94	74.00	25.94	Horizontal	Peak
2	2483.500	32.71	3.12	26.56	62.39	74.00	-11.61	Horizontal	Peak

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2452MHz	Test channel: Highest	Polarization: Horizontal	Remark:Average



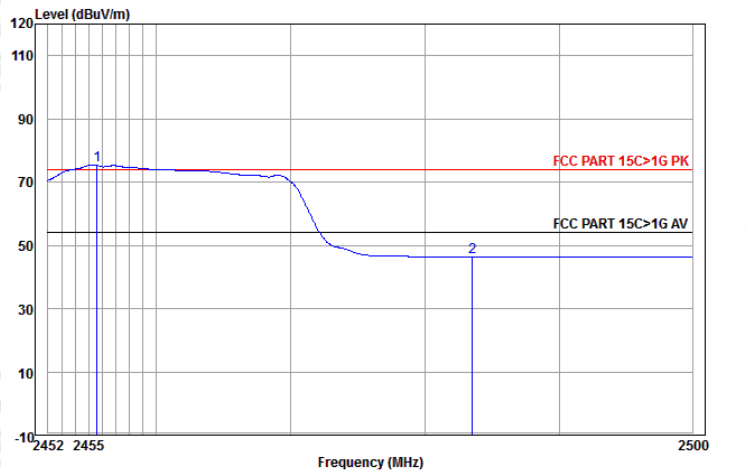
	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 pp	2456.615	32.66	3.10	44.23	79.99	54.00	25.99	Horizontal	Average
2	2483.500	32.71	3.12	11.12	46.95	54.00	-7.05	Horizontal	Average

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2452MHz	Test channel: Highest	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 pp	2461.240	32.67	3.11	54.03	89.81	74.00	15.81	Vertical	Peak
2	2483.500	32.71	3.12	23.98	59.81	74.00	-14.19	Vertical	Peak

Worse case mode:	802.11n(HT40) (6.5Mbps)		
Frequency: 2452MHz	Test channel: Highest	Polarization: Vertical	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	2455.615	32.66	3.10	39.60	75.36	54.00	21.36	Vertical	Average
2	2483.500	32.71	3.12	10.59	46.42	54.00	-7.58	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; 6Mbpsof 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:

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the 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. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Above 1GHz test procedure as below:

g. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 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 middle channel ,the Highest channel
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.
j. Repeat above procedures until all frequencies measured was complete.

Limit:

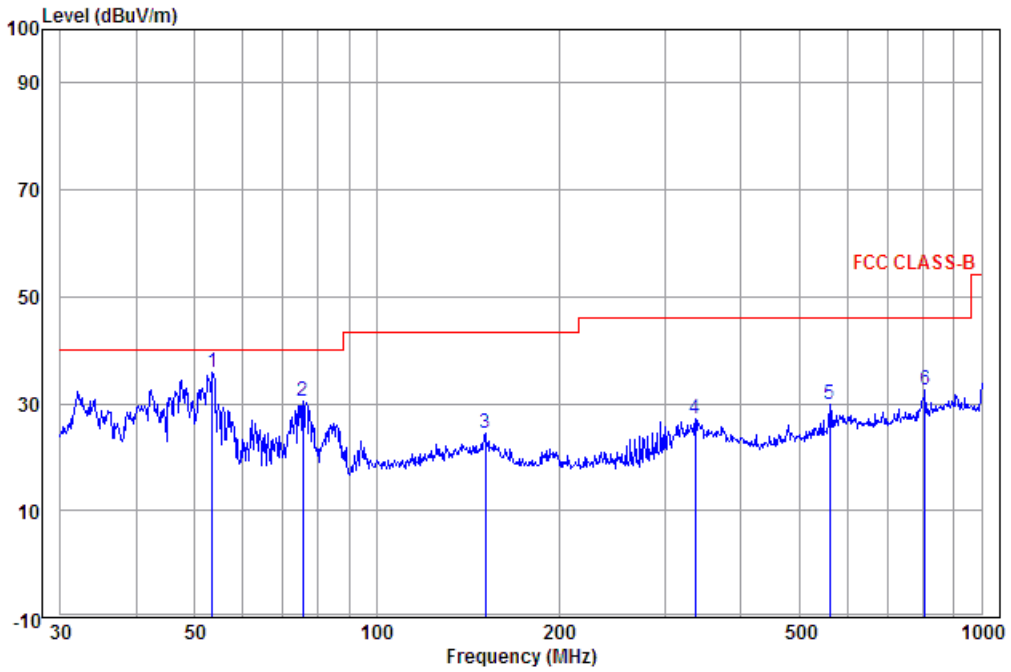
Frequency	Field strength (microvolt/meter)	Limit (dBμV/m)	Remark	Measurement distance (m)
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
1.705MHz-30MHz	30	-	-	30
30MHz-88MHz	100	40.0	Quasi-peak	3
88MHz-216MHz	150	43.5	Quasi-peak	3
216MHz-960MHz	200	46.0	Quasi-peak	3
960MHz-1GHz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

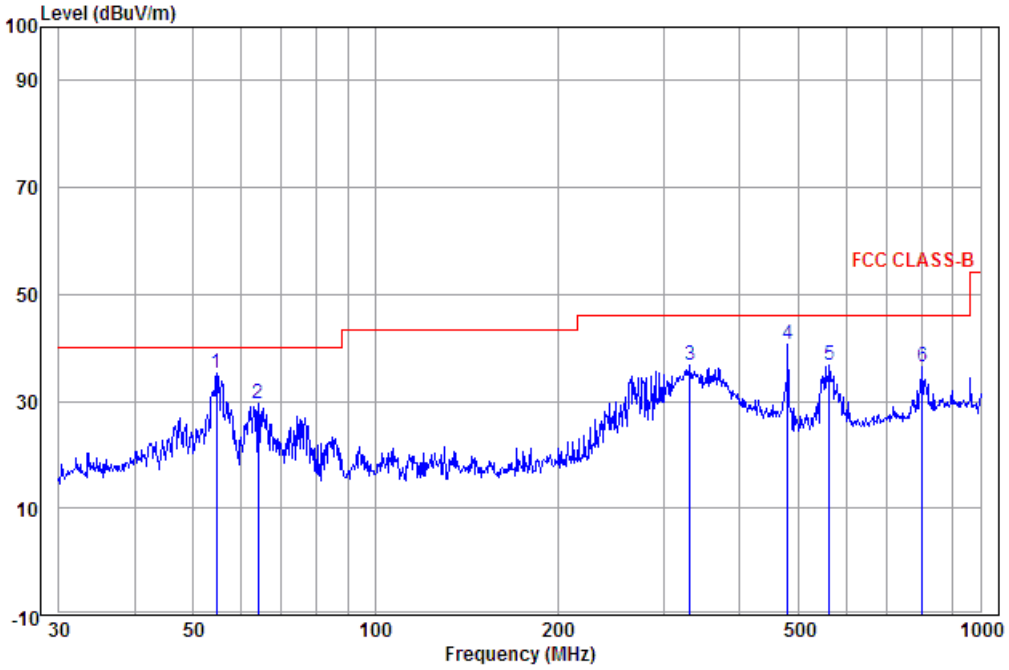
Radiated Emission below 1GHz

30MHz~1GHz (QP)		
Test mode:	Transmitting	Vertical



	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	53.505	14.04	0.15	21.52	35.71	40.00	-4.29	Vertical	QP
2	75.446	9.39	0.35	20.77	30.51	40.00	-9.49	Vertical	QP
3	151.067	8.87	0.62	15.01	24.50	43.50	-19.00	Vertical	QP
4	336.035	14.14	1.25	11.75	27.14	46.00	-18.86	Vertical	QP
5	560.693	18.00	1.60	10.31	29.91	46.00	-16.09	Vertical	QP
6	807.429	20.03	2.46	10.17	32.66	46.00	-13.34	Vertical	QP

Test mode:	Transmitting	Horizontal



	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	54.643	13.87	0.16	21.30	35.33	40.00	-4.67	Horizontal	QP
2	63.983	11.97	0.23	17.49	29.69	40.00	-10.31	Horizontal	QP
3	331.355	14.04	1.23	21.40	36.67	46.00	-9.33	Horizontal	QP
4	480.528	16.64	1.50	22.50	40.64	46.00	-5.36	Horizontal	QP
5	562.662	18.04	1.62	17.23	36.89	46.00	-9.11	Horizontal	QP
6	801.786	19.86	2.46	14.09	36.41	46.00	-9.59	Horizontal	QP

Transmitter Emission above 1GHz

Test mode: 802.11b(11Mbps)	Test Frequency: 2412MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1561.221	30.99	2.36	43.93	49.05	38.47	74.00	-35.53	Pass	Horizontal
3192.366	33.43	3.54	44.68	51.15	43.44	74.00	-30.56	Pass	Horizontal
4821.757	34.73	6.02	44.60	49.64	45.79	74.00	-28.21	Pass	Horizontal
6078.644	35.94	7.42	44.51	48.81	47.66	74.00	-26.34	Pass	Horizontal
7236.000	36.42	6.94	44.80	46.17	44.73	74.00	-29.27	Pass	Horizontal
9648.000	37.93	7.01	45.57	45.70	45.07	74.00	-28.93	Pass	Horizontal
1805.005	31.40	2.64	43.68	48.01	38.37	74.00	-35.63	Pass	Vertical
3534.541	33.14	3.83	44.64	49.98	42.31	74.00	-31.69	Pass	Vertical
4824.000	34.73	6.02	44.60	48.49	44.64	74.00	-29.36	Pass	Vertical
5204.399	35.28	6.61	44.58	49.13	46.44	74.00	-27.56	Pass	Vertical
7236.000	36.42	6.94	44.80	47.04	45.60	74.00	-28.40	Pass	Vertical
9648.000	37.93	7.01	45.57	46.59	45.96	74.00	-28.04	Pass	Vertical

Test mode: 802.11b(11Mbps)	Test Frequency: 2437MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1329.894	30.52	2.06	44.21	49.32	37.69	74.00	-36.31	Pass	Horizontal
3291.385	33.34	3.63	44.67	50.96	43.26	74.00	-30.74	Pass	Horizontal
4874.000	34.84	6.12	44.60	49.58	45.94	74.00	-28.06	Pass	Horizontal
6109.670	35.96	7.41	44.51	49.01	47.87	74.00	-26.13	Pass	Horizontal
7311.000	36.43	6.86	44.86	48.73	47.16	74.00	-26.84	Pass	Horizontal
9748.000	38.03	7.10	45.55	46.53	46.11	74.00	-27.89	Pass	Horizontal
1521.981	30.91	2.32	43.97	48.45	37.71	74.00	-36.29	Pass	Vertical
3184.250	33.43	3.53	44.68	52.81	45.09	74.00	-28.91	Pass	Vertical
3625.669	33.07	3.91	44.63	50.33	42.68	74.00	-31.32	Pass	Vertical
4874.000	34.84	6.12	44.60	48.69	45.05	74.00	-28.95	Pass	Vertical
7311.000	36.43	6.86	44.86	47.45	45.88	74.00	-28.12	Pass	Vertical
9748.000	38.03	7.10	45.55	46.66	46.24	74.00	-27.76	Pass	Vertical

Test mode: 802.11b(11Mbps)	Test Frequency: 2462MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
2102.853	31.93	2.90	43.65	47.67	38.85	74.00	-35.15	Pass	Horizontal
3507.652	33.17	3.81	44.65	50.14	42.47	74.00	-31.53	Pass	Horizontal
4924.000	34.94	6.22	44.60	48.18	44.74	74.00	-29.26	Pass	Horizontal
5850.919	35.79	7.29	44.51	48.26	46.83	74.00	-27.17	Pass	Horizontal
7386.000	36.44	6.78	44.92	47.84	46.14	74.00	-27.86	Pass	Horizontal
9848.000	38.14	7.19	45.53	47.11	46.91	74.00	-27.09	Pass	Horizontal
2102.853	31.93	2.90	43.65	47.67	38.85	74.00	-35.15	Pass	Vertical
3507.652	33.17	3.81	44.65	50.14	42.47	74.00	-31.53	Pass	Vertical
4924.000	34.94	6.22	44.60	48.18	44.74	74.00	-29.26	Pass	Vertical
5850.919	35.79	7.29	44.51	48.26	46.83	74.00	-27.17	Pass	Vertical
7386.000	36.44	6.78	44.92	47.84	46.14	74.00	-27.86	Pass	Vertical
9848.000	38.14	7.19	45.53	47.11	46.91	74.00	-27.09	Pass	Vertical

Test mode: 802.11g(6Mbps)	Test Frequency: 2412MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1593.340	31.04	2.40	43.89	47.67	37.22	74.00	-36.78	Pass	Horizontal
3308.185	33.33	3.64	44.67	50.49	42.79	74.00	-31.21	Pass	Horizontal
4824.000	34.73	6.02	44.60	48.20	44.35	74.00	-29.65	Pass	Horizontal
5434.559	35.47	6.86	44.55	48.91	46.69	74.00	-27.31	Pass	Horizontal
7236.000	36.42	6.94	44.80	47.21	45.77	74.00	-28.23	Pass	Horizontal
9648.000	37.93	7.01	45.57	46.20	45.57	74.00	-28.43	Pass	Horizontal
1846.834	31.47	2.69	43.64	47.66	38.18	74.00	-35.82	Pass	Vertical
3200.502	33.42	3.55	44.68	52.47	44.76	74.00	-29.24	Pass	Vertical
4824.000	34.73	6.02	44.60	47.75	43.90	74.00	-30.10	Pass	Vertical
5895.771	35.82	7.34	44.51	48.73	47.38	74.00	-26.62	Pass	Vertical
7236.000	36.42	6.94	44.80	47.66	46.22	74.00	-27.78	Pass	Vertical
9748.000	38.03	7.10	45.55	46.21	45.79	74.00	-28.21	Pass	Vertical

Test mode: 802.11g(6Mbps)	Test Frequency: 2437MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1860.992	31.49	2.70	43.62	47.61	38.18	74.00	-35.82	Pass	Horizontal
3208.660	33.41	3.55	44.68	50.57	42.85	74.00	-31.15	Pass	Horizontal
4874.000	34.84	6.12	44.60	49.24	45.60	74.00	-28.40	Pass	Horizontal
5504.170	35.52	6.93	44.55	49.09	46.99	74.00	-27.01	Pass	Horizontal
7311.000	36.43	6.86	44.86	47.05	45.48	74.00	-28.52	Pass	Horizontal
9748.000	38.03	7.10	45.55	46.12	45.70	74.00	-28.30	Pass	Horizontal
1777.646	31.36	2.61	43.70	47.97	38.24	74.00	-35.76	Pass	Vertical
3192.366	33.43	3.54	44.68	54.06	46.35	74.00	-27.65	Pass	Vertical
4874.000	34.84	6.12	44.60	47.83	44.19	74.00	-29.81	Pass	Vertical
5850.919	35.79	7.29	44.51	49.26	47.83	74.00	-26.17	Pass	Vertical
7311.000	36.43	6.86	44.86	46.87	45.30	74.00	-28.70	Pass	Vertical
9748.000	38.03	7.10	45.55	46.84	46.42	74.00	-27.58	Pass	Vertical

Test mode: 802.11g(6Mbps)	Test Frequency: 2462MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1809.605	31.41	2.65	43.67	47.85	38.24	74.00	-35.76	Pass	Horizontal
3342.042	33.30	3.67	44.66	49.87	42.18	74.00	-31.82	Pass	Horizontal
4924.000	34.94	6.22	44.60	47.91	44.47	74.00	-29.53	Pass	Horizontal
6109.670	35.96	7.41	44.51	48.79	47.65	74.00	-26.35	Pass	Horizontal
7386.000	36.44	6.78	44.92	47.38	45.68	74.00	-28.32	Pass	Horizontal
9848.000	38.14	7.19	45.53	47.27	47.07	74.00	-26.93	Pass	Horizontal
1823.477	31.43	2.66	43.66	47.99	38.42	74.00	-35.58	Pass	Vertical
3200.502	33.42	3.55	44.68	51.53	43.82	74.00	-30.18	Pass	Vertical
4924.000	34.94	6.22	44.60	47.63	44.19	74.00	-29.81	Pass	Vertical
6032.401	35.92	7.43	44.50	48.93	47.78	74.00	-26.22	Pass	Vertical
7386.000	36.44	6.78	44.92	47.25	45.55	74.00	-28.45	Pass	Vertical
9848.000	38.14	7.19	45.53	48.09	47.89	74.00	-26.11	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)	Test Frequency: 2412MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1724.166	31.27	2.56	43.76	48.80	38.87	74.00	-35.13	Pass	Horizontal
3192.366	33.43	3.54	44.68	51.95	44.24	74.00	-29.76	Pass	Horizontal
4824.000	34.73	6.02	44.60	46.71	42.86	74.00	-31.14	Pass	Horizontal
6315.233	36.07	7.36	44.53	48.80	47.70	74.00	-26.30	Pass	Horizontal
7236.000	36.42	6.94	44.80	46.77	45.33	74.00	-28.67	Pass	Horizontal
9648.000	37.93	7.01	45.57	46.15	45.52	74.00	-28.48	Pass	Horizontal
1913.838	31.57	2.76	43.58	47.86	38.61	74.00	-35.39	Pass	Vertical
3184.250	33.43	3.53	44.68	50.80	43.08	74.00	-30.92	Pass	Vertical
4824.000	34.73	6.02	44.60	47.58	43.73	74.00	-30.27	Pass	Vertical
5925.863	35.85	7.37	44.51	48.80	47.51	74.00	-26.49	Pass	Vertical
7236.000	36.42	6.94	44.80	47.35	45.91	74.00	-28.09	Pass	Vertical
9648.000	37.93	7.01	45.57	46.83	46.20	74.00	-27.80	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)	Test Frequency: 2437MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
3489.840	33.18	3.80	44.65	50.12	42.45	74.00	-31.55	Pass	Horizontal
4191.816	33.28	4.65	44.60	49.84	43.17	74.00	-30.83	Pass	Horizontal
4874.000	34.84	6.12	44.60	48.28	44.64	74.00	-29.36	Pass	Horizontal
6645.070	36.23	7.27	44.57	49.19	48.12	74.00	-25.88	Pass	Horizontal
7311.000	36.43	6.86	44.86	47.31	45.74	74.00	-28.26	Pass	Horizontal
9748.000	38.03	7.10	45.55	46.44	46.02	74.00	-27.98	Pass	Horizontal
1577.198	31.01	2.38	43.91	48.67	38.15	74.00	-35.85	Pass	Vertical
3184.250	33.43	3.53	44.68	51.83	44.11	74.00	-29.89	Pass	Vertical
4874.000	34.84	6.12	44.60	47.37	43.73	74.00	-30.27	Pass	Vertical
6078.644	35.94	7.42	44.51	48.49	47.34	74.00	-26.66	Pass	Vertical
7311.000	36.43	6.86	44.86	46.88	45.31	74.00	-28.69	Pass	Vertical
9748.000	38.03	7.10	45.55	45.89	45.47	74.00	-28.53	Pass	Vertical

Test mode: 802.11n(HT20)(6.5Mbps)	Test Frequency: 2462MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1800.416	31.40	2.64	43.68	47.59	37.95	74.00	-36.05	Pass	Horizontal
3543.550	33.14	3.84	44.64	50.41	42.75	74.00	-31.25	Pass	Horizontal
4924.000	34.94	6.22	44.60	48.52	45.08	74.00	-28.92	Pass	Horizontal
5895.771	35.82	7.34	44.51	48.81	47.46	74.00	-26.54	Pass	Horizontal
7386.000	36.44	6.78	44.92	46.92	45.22	74.00	-28.78	Pass	Horizontal
9848.000	38.14	7.19	45.53	47.23	47.03	74.00	-26.97	Pass	Horizontal
1828.125	31.44	2.67	43.66	48.08	38.53	74.00	-35.47	Pass	Vertical
3419.491	33.24	3.74	44.65	50.44	42.77	74.00	-31.23	Pass	Vertical
4924.000	34.94	6.22	44.60	47.29	43.85	74.00	-30.15	Pass	Vertical
5880.782	35.81	7.32	44.51	48.37	46.99	74.00	-27.01	Pass	Vertical
7386.000	36.44	6.78	44.92	46.82	45.12	74.00	-28.88	Pass	Vertical
9848.000	38.14	7.19	45.53	46.47	46.27	74.00	-27.73	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)	Test Frequency: 2422MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1842.139	31.46	2.68	43.64	47.67	38.17	74.00	-35.83	Pass	Horizontal
3192.366	33.43	3.54	44.68	52.12	44.41	74.00	-29.59	Pass	Horizontal
4844.000	34.77	6.06	44.60	47.12	43.35	74.00	-30.65	Pass	Horizontal
5560.500	35.57	6.99	44.54	48.79	46.81	74.00	-27.19	Pass	Horizontal
7266.000	36.43	6.91	44.82	46.78	45.30	74.00	-28.70	Pass	Horizontal
9688.000	37.97	7.05	45.56	47.03	46.49	74.00	-27.51	Pass	Horizontal
1842.139	31.46	2.68	43.64	47.67	38.17	74.00	-35.83	Pass	Vertical
3192.366	33.43	3.54	44.68	52.12	44.41	74.00	-29.59	Pass	Vertical
4844.000	34.77	6.06	44.60	47.12	43.35	74.00	-30.65	Pass	Vertical
5560.500	35.57	6.99	44.54	48.79	46.81	74.00	-27.19	Pass	Vertical
7266.000	36.43	6.91	44.82	46.78	45.30	74.00	-28.70	Pass	Vertical
9688.000	37.97	7.05	45.56	47.03	46.49	74.00	-27.51	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)	Test Frequency: 2437MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1809.605	31.41	2.65	43.67	48.08	38.47	74.00	-35.53	Pass	Horizontal
3225.037	33.40	3.57	44.67	50.65	42.95	74.00	-31.05	Pass	Horizontal
4874.000	34.84	6.12	44.60	47.77	44.13	74.00	-29.87	Pass	Horizontal
5560.500	35.57	6.99	44.54	48.88	46.90	74.00	-27.10	Pass	Horizontal
7311.000	36.43	6.86	44.86	47.33	45.76	74.00	-28.24	Pass	Horizontal
9748.000	38.03	7.10	45.55	46.60	46.18	74.00	-27.82	Pass	Horizontal
1809.605	31.41	2.65	43.67	48.17	38.56	74.00	-35.44	Pass	Vertical
3200.502	33.42	3.55	44.68	54.03	46.32	74.00	-27.68	Pass	Vertical
4874.000	34.84	6.12	44.60	48.32	44.68	74.00	-29.32	Pass	Vertical
5352.186	35.40	6.77	44.56	49.61	47.22	74.00	-26.78	Pass	Vertical
7311.000	36.43	6.86	44.86	47.07	45.50	74.00	-28.50	Pass	Vertical
9748.000	38.03	7.10	45.55	46.30	45.88	74.00	-28.12	Pass	Vertical

Test mode: 802.11n(HT40)(13.5Mbps)	Test Frequency: 2452MHz	Remark: Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Final test level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Result	Antenna Polaxis
1553.293	30.97	2.35	43.94	48.59	37.97	74.00	-36.03	Pass	Horizontal
3598.087	33.09	3.88	44.64	49.90	42.23	74.00	-31.77	Pass	Horizontal
4906.000	34.90	6.18	44.60	47.46	43.94	74.00	-30.06	Pass	Horizontal
6428.771	36.12	7.33	44.54	48.78	47.69	74.00	-26.31	Pass	Horizontal
7356.000	36.44	6.81	44.90	48.30	46.65	74.00	-27.35	Pass	Horizontal
9808.000	38.10	7.16	45.54	46.95	46.67	74.00	-27.33	Pass	Horizontal
1818.842	31.43	2.66	43.66	47.69	38.12	74.00	-35.88	Pass	Vertical
3507.652	33.17	3.81	44.65	50.34	42.67	74.00	-31.33	Pass	Vertical
4906.000	34.90	6.18	44.60	47.58	44.06	74.00	-29.94	Pass	Vertical
6251.257	36.03	7.37	44.53	49.00	47.87	74.00	-26.13	Pass	Vertical
7356.000	36.44	6.81	44.90	47.37	45.72	74.00	-28.28	Pass	Vertical
9808.000	38.10	7.16	45.54	46.94	46.66	74.00	-27.34	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; 6Mbpsof 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.

PHOTOGRAPHS OF TEST SETUP

Refer to appendix for EUT Test setup-1.

PHOTOGRAPHS OF EUT Constructional Details

Refer to appendix for EUT external and internal photos.

*** End of Report ***