FCC TEST REPORT

For

Mobile Phone

Model Number: HY1-5137

FCC ID: 2AFRUHY1-5137

Report Number : WT168000319

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection National Digital Electronic Product Testing Center
Site Location	:	NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China
Tel	:	0086-755-86928965
Fax	:	0086-755-86009898-31396
Web	:	www.smq.com.cn
E-mail	:	emcrf@smq.com.cn

TEST REPORT DECLARATION

Applicant	:	Solnik S.A.
Address	:	Dr. Emilio Ravignani 1724 Ciudad Autonoma de Buenos Aires Zip Code 1414 Argentina
Manufacturer	:	Gionee Communication Equipment Co.,Ltd.
Address	:	21/F,Times Technology Building,No. 7028,Shennan Avenue, Futian District,Shenzhen,China
EUT Description	:	Mobile Phone
Model No	:	HY1-5137
Trade mark	:	HYUNDAI
Serial Number	:	/
FCC ID	:	2AFRUHY1-5137

Test Standards:

FCC Part 15 15.207, 15.209, 15.247(2015)

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 15.207, 15.209 and 15.247.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:	(Chen Silin 陈司林)	Date:	Mar.01, 2016
Checked by:	(Lin Yixiang 林奕翔)	Date:	Mar.01, 2016
Approved by:	(Lin Bin 林斌)	Date:	Mar.01, 2016

TABLE OF CONTENTS

TEST REPORT DECLARATION **2**

1. TEST RESULTS SUMMARY **5**

2. GENERAL INFORMATION **6**

2.1. Report information 6

2.2. Laboratory Accreditation and Relationship to Customer 6

2.3. Measurement Uncertainty 7

3. PRODUCT DESCRIPTION **8**

3.1. EUT Description 8

3.2. Related Submittal(s) / Grant (s) 8

3.3. Block Diagram of EUT Configuration 9

3.4. Operating Condition of EUT 9

3.5. Directional Antenna Gain 9

3.6. Support Equipment List 10

3.7. Test Conditions 10

3.8. Special Accessories 10

3.9. Equipment Modifications 10

4. TEST EQUIPMENT USED **11**

5. 6DB BANDWIDTH MEASUREMENT **12**

5.1. LIMITS OF 6dB BANDWIDTH MEASUREMENT 12

5.2. TEST PROCEDURE 12

5.3. TEST SETUP 12

6. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT **17**

6.1. LIMITS OF Maximum Conducted Output Power Measurement 17

6.2. TEST PROCEDURE 17

6.3. TEST DATA 17

7. MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT **22**

7.1. LIMITS OF Maximum Power Spectral Density Level Measurement 22

7.2. TEST PROCEDURE 22

7.3. TEST DATA 22

8. CONDUCTED BANDEDGE AND SPURIOUS MEASURMENT **27**

8.1. LIMITS OF Conducted Bandedge and Spurious Measurement 27
8.2. TEST PROCEDURE 27
8.3. TEST DATA 28
9. RADIATED BANDEDGE AND SPURIOUS MEASUREMENT 40
9.1. LIMITS OF Radiated Bandedge and Spurious Measurement 40
9.2. TEST PROCEDURE 40
9.3. TEST DATA 41
10. CONDUCTED EMISSION TEST FOR AC POWER PORT MEASUREMENT 123
10.1. Test Standard and Limit 123
10.2. Test Procedure 123
10.3. Test Arrangement 123
10.4. Test Data 123
11. ANTENNA REQUIREMENTS 127
11.1. Applicable requirements 127
11.2. Antenna Connector 127
11.3. Antenna Gain 127

1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB DTS bandwidth measurement	15.247 (a) (2)	Pass
Maximum Peak Conducted Power	15.247 (b) (3)	Pass
Maximum Power Spectral Density Level	15.247 (3)	Pass
Conducted Bandedge and Spurious	15.247 (d)	Pass
Radiated Bandedge and Spurious	15.247 (d) 15.209 15.205	Pass
Conducted emission test for AC power port	15.207	Pass
Antenna Requirment	15.203	Pass

Remark: “N/A” means “Not applicable.”

2. GENERAL INFORMATION

2.1. Report information

2.1.1. This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

2.1.2. The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

2.1.3. Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at Bldg. of Metrology & Quality Inspection, Longzhu Road, Nanshan District, Shenzhen, Guangdong, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.
The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number are 446246 806614 994606(semi anechoic chamber).

The Laboratory is listed in Voluntary Control Council for Interference by Information Technology Equipment (VCCI), and the registration number are R-1974(open area test site) , R-1966(semi anechoic chamber),C-2117(mains ports conducted interference measurement) and T-180(telecommunication ports conducted interference measurement).

The Laboratory is registered to perform emission tests with Industry Canada (IC), and the registration number is 11177A-1 11177A-2.

TUV Rhineland accredits the Laboratory for conformance to IEC and EN standards, the registration number is E2024086Z02.

2.3. Measurement Uncertainty

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:

Conducted Emission

9kHz~30MHz 3.5dB

Radiated Emission

30MHz~1000MHz 4.5dB

1GHz~26.5GHz 4.6dB

3. PRODUCT DESCRIPTION

3.1. EUT Description

Description	:	Mobile Phone
Manufacturer	:	Gionee Communication Equipment Co.,Ltd.
Model Number	:	HY1-5137
Operate Frequency	:	2.412GHz~2.462GHz
Antenna Designation	:	WLAN/BT: PIFA Antenna 0.6dBi

Remark: /

WLAN :

Table 2 Working Frequency List

Channel	Frequency	Channel	Frequency
1	2412MHz	8	2447MHz
2	2417MHz	9	2452MHz
3	2422MHz	10	2457MHz
4	2427MHz	11	2462MHz
5	2432MHz		
6	2437MHz		
7	2442MHz		

Table 3 The working Frequency List(802.11n HT40)

channel	Frequency	channel	Frequency
3	2422MHz	8	2447MHz
4	2427MHz	9	2452MHz
5	2432MHz		
6	2437MHz		
7	2442MHz		

3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2AFRUHY1-5137**, filing to comply with Section 15.207，15.209，15.247 of the FCC Part 15, Subpart C Rules.

3.3. Block Diagram of EUT Configuration

Figure 1 EUT setup

3.4. Operating Condition of EUT

The Radiated spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (X plane).
Worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was the mode and channel with the highest output power.
Worst-case data rates as provided by the client were:
802.11b mode: 1 Mbps
802.11g mode: 6 Mbps
802.11n HT20 mode: MCS0
802.11g HT40 mode: MCS0
802.11b and 802.11g operates in SISO mode. For SISO conducted measurements, the modes tested in this report will be considered as a worst case mode.
802.11n operate in SISO mode. For SISO conducted measurements, the modes tested in this report will be considered as a worst case mode.

3.5. Directional Antenna Gain

The EUT does NOT support a WIFI MIMO function.
Directional gain need NOT to be considered.

3.6. Support Equipment List

Table 4 Support Equipment List

Name	Model No	S/N	Manufacturer
Adaptor for EUT	DDC-0001	--	Gionee Communication Equipment Co.,Ltd.

3.7. Test Conditions

Date of test：Jan.20,2016-Mar.01,2016
Date of EUT Receive：Jan.20,2016
Temperature: -30-50 ℃
Relative Humidity: 36-48%

3.8. Special Accessories

Not available for this EUT intended for grant.

3.9. Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

Table 5 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB3319	EMI Test Receiver	Rohde & Schwarz	ESCS30	Dec.11, 2015	1 Year
SB3321	AMN	Rohde & Schwarz	ENV216	Sep.25, 2015	1 Year
SB3996	AMN	Rohde & Schwarz	ESH3-Z5	Nov.5, 2015	1 Year
SB8501/09	EMI Test Receiver	Rohde & Schwarz	ESU40	Mar.24, 2015	1 Year
SB8501/04	Bilog Antenna	Schwarzbeck	VULB9163	Mar.23, 2015	1 Year
SB8501/01	Horn Antenna	Rohde & Schwarz	HF906	Mar.23, 2015	1 Year
SB8501/11	Horn Antenna	Rohde & Schwarz	3160-09	Mar.28, 2014	3 Year
SB3450/01	3m Semi-anechoic chamber	Albatross Projects	9X6X6	Oct.09, 2014	2 Years
SB3345	Loop Antenna	Schwarzbeck	FMZB1516	Jan.07, 2016	2 Years
SB9721/02	Signal Analyzer	Agilent	N9020A	Dec.28, 2015	1 Year
SB8501/17	Preamplifier	Rohde & Schwarz	SCU-18	Mar.23, 2015	1 Year
SB8501/16	Preamplifier	Rohde & Schwarz	SCU-26	Mar.23, 2015	1 Year

5. 6DB BANDWIDTH MEASUREMENT

5.1. LIMITS OF 6dB BANDWIDTH MEASUREMENT

CFR 47 (FCC) part 15.247 (a) (2) and 558074 D01 DTS Meas Guidance v03r02

5.2. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.
a) Set RBW = 100 kHz.

b) Set the video bandwidth (VBW) ≥ 3 x RBW.

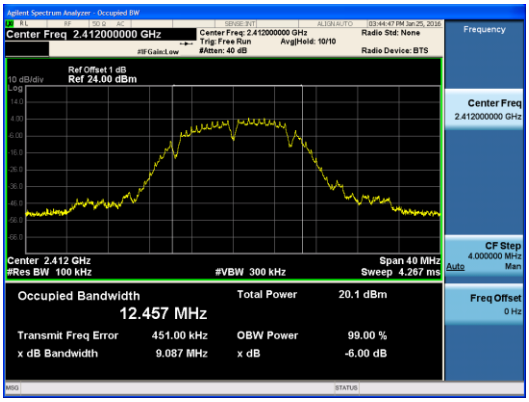
c)Detector = Peak.
d)Trace mode = max hold.
e)Sweep = auto couple.
f)Allow the trace to stabilize.
g)Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

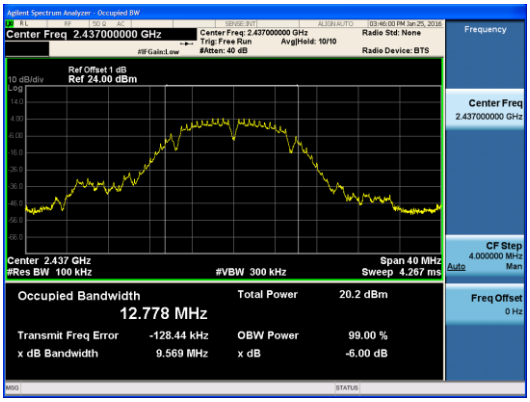
5.3. TEST SETUP

Test Data

Table 6 6dB Bandwidth Test Data 802.11b

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
2412	9.087	Pass
2437	9.569	Pass
2462	8.022	Pass





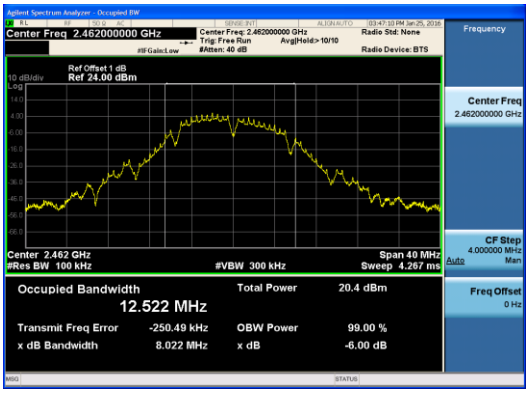
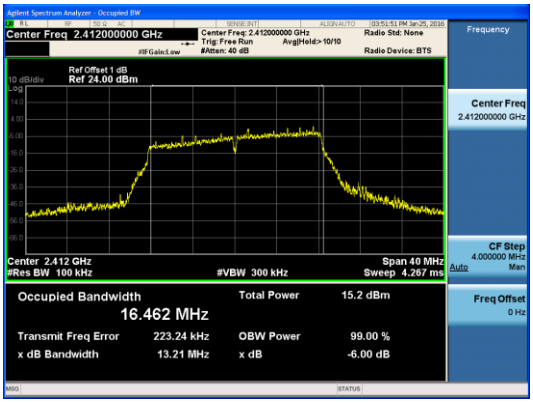
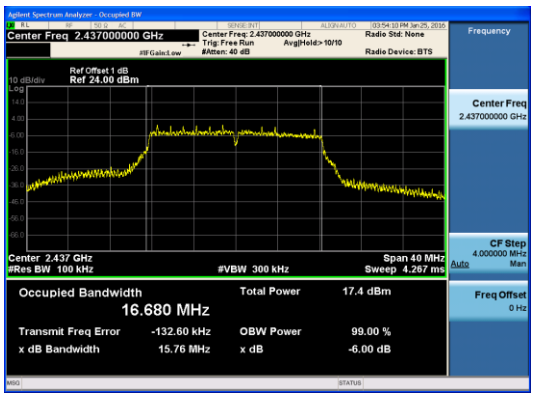


Table 7 6dB Bandwidth Test Data 802.11g

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
2412	13.21	Pass
2437	15.76	Pass
2462	12.55	Pass





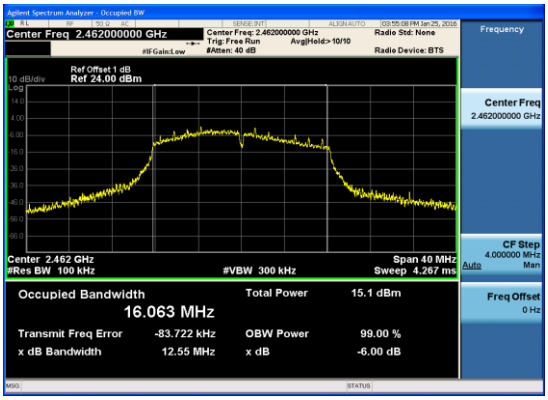
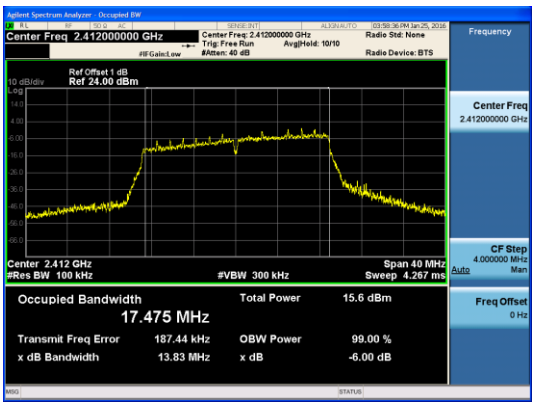
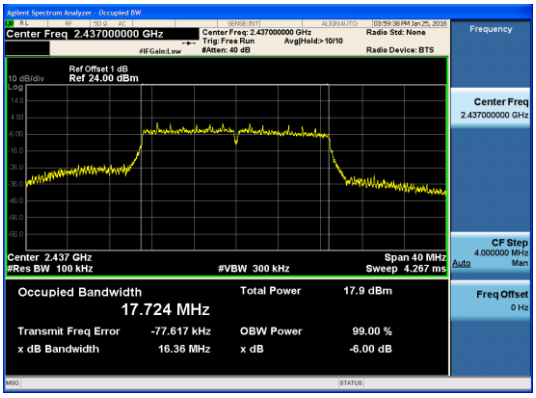


Table 8 6dB Bandwidth Test Data 802.11n HT20

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
2412	13.83	Pass
2437	16.36	Pass
2462	12.52	Pass





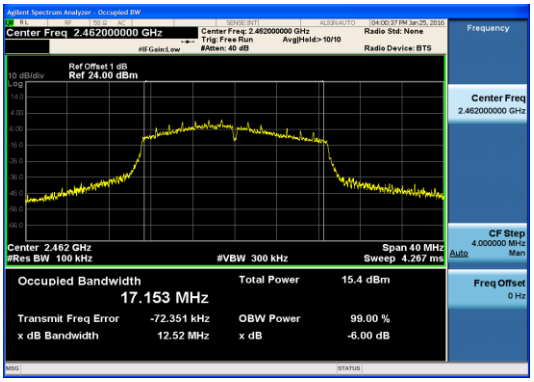
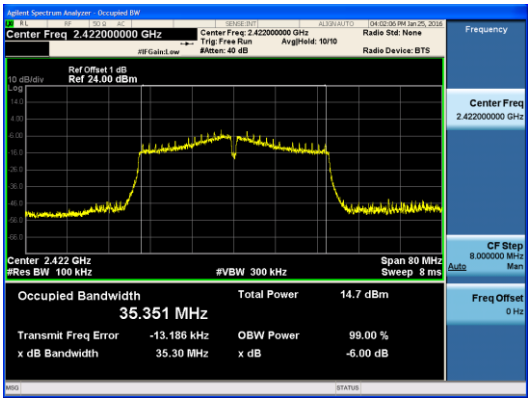
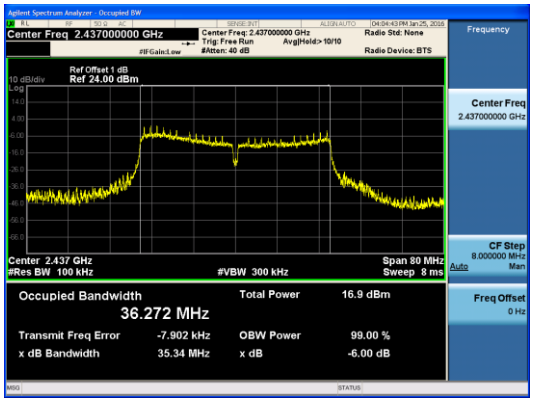
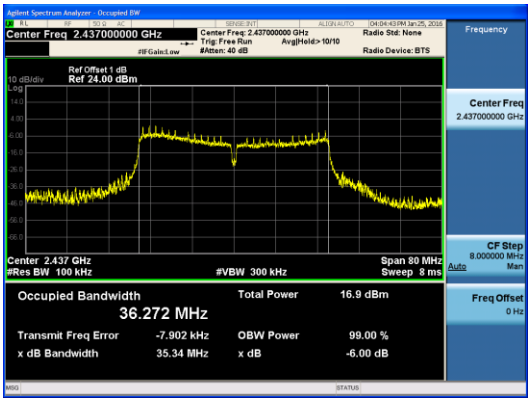


Table 9 6dB Bandwidth Test Data 802.11n HT40

CHANNEL FREQUENCY (MHz)	6dB BANDWIDTH (MHz)	results
2422	35.30	Pass
2437	35.34	Pass
2452	35.37	Pass







6. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

6.1. LIMITS OF Maximum Conducted Output Power Measurement

CFR 47 (FCC) part 15.247 (b) (3) and 558074 D01 DTS Meas Guidance v03r03

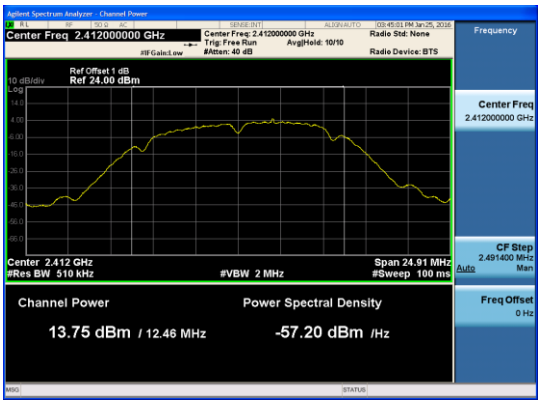
6.2. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.
a) Set RBW = 1-5% of the OBW, not to exceed 1 MHz..
b) Set VBW ≥ 3 x RBW.
c)Set the span ≥ 1.5 x DTS bandwidth.
d) Number of points in sweep ≥ 2 × span / RBW.
e) Sweep time = auto.
f) Detector = RMS
g)Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges

6.3. TEST DATA

Table 10 Maximum Conducted Output Power Test Data 802.11b

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Av.Power [dBm]	Limit [dBm]	Result
2412	13.75	13.84	< 30	Pass
2437	13.92	14.01	< 30	Pass
2462	13.95	14.04	< 30	Pass



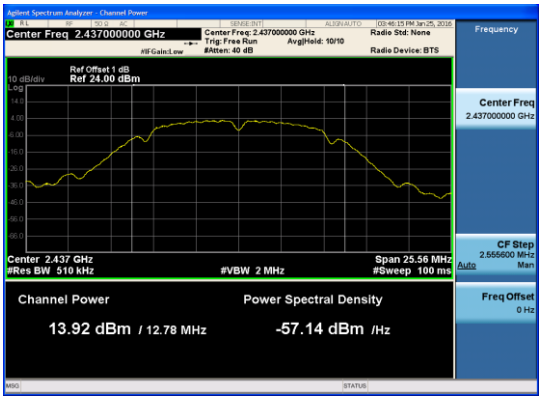


Table 11 Maximum Conducted Output Power Test Data 802.11g

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Av.Power [dBm]	Limit [dBm]	Result
2412	9.47	9.98	< 30	Pass
2437	11.44	11.95	< 30	Pass
2462	9.13	9.65	< 30	Pass

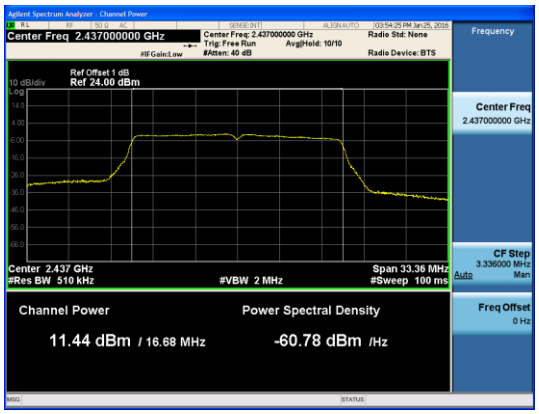
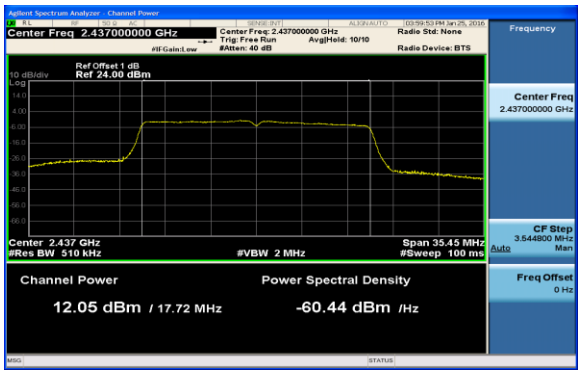


Table 12 Maximum Conducted Output Power Test Data 802.11n HT20

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Av.Power [dBm]	Limit [dBm]	Result
2412	9.85	10.41	< 30	Pass
2437	12.05	12.6	< 30	Pass
2462	9.29	9.84	< 30	Pass



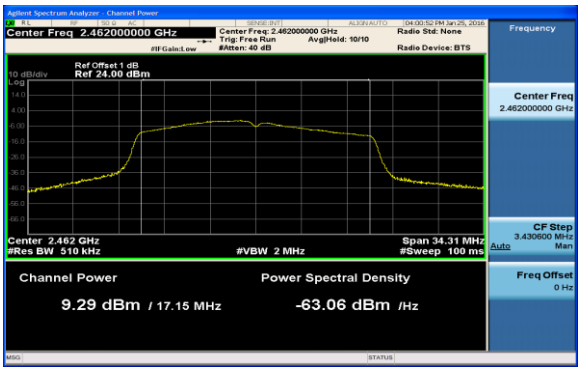
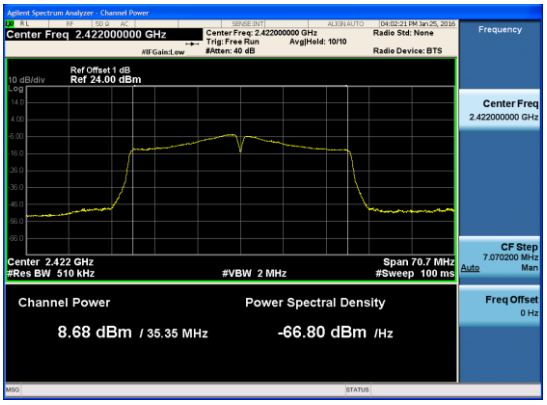
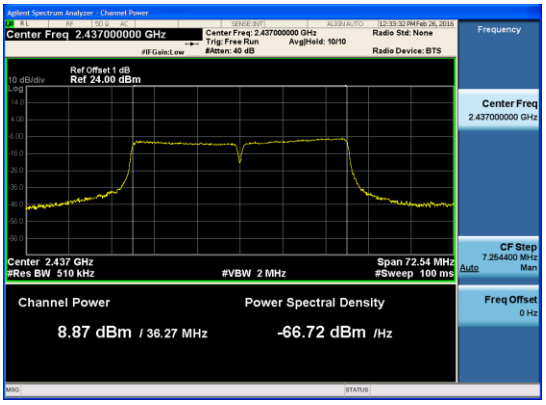
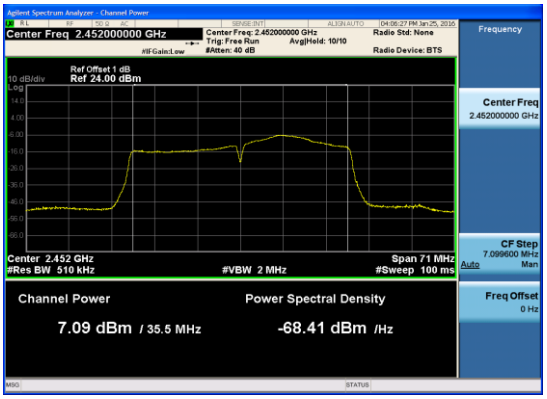


Table 13 Maximum Conducted Output Power Test Data 802.11n HT40

Center Freq.[MHz]	Meas. Level (Cond.) [dBm]	Av.Power [dBm]	Limit [dBm]	Result
2422	8.68	9.74	< 30	Pass
2437	8.87	9.90	< 30	Pass
2452	7.09	8.13	< 30	Pass







7. MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT

7.1. LIMITS OF Maximum Power Spectral Density Level Measurement

CFR 47 (FCC) part 15.247 (e) and 558074 D01 DTS Meas Guidance v03r03

7.2. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.
a)Set analyzer center frequency to DTS channel center frequency.
b)Set the span to 2 times the OBW
c)Set the RBW to: 3 kHz $\leqslant$ RBW $\leqslant$ 100 kHz.
d)Set the VBW $\geqslant$ 3 x RBW.
e)Detector = power averaging (RMS) or sample detector
f)Sweep time = auto couple.
g)Allow trace to fully stabilize.
h)Use the peak marker function to determine the maximum amplitude level within the RBW.
i)If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

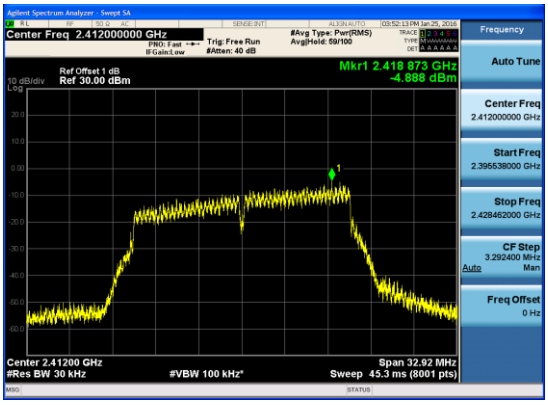
7.3. TEST DATA

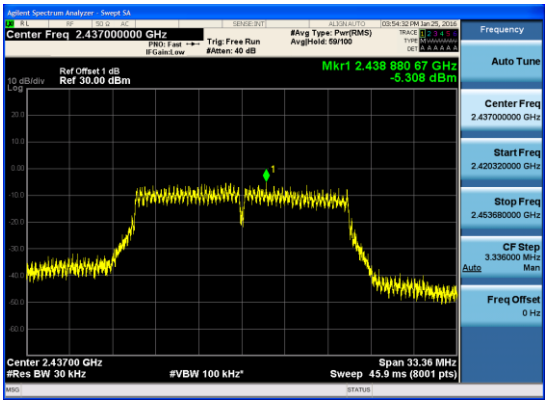
Table 14 Maximum Power Spectral Density Level Test Data 802.11b

Center Freq.[MHz]	Meas.Level [dBm]	Av.PSD [dBm]	Limit [dBm]	Result
2412	1.598	1.685	8	Pass
2437	3.551	3.637	8	Pass
2462	1.131	1.217	8	Pass

Table 15 Maximum Power Spectral Density Level Test Data 802.11g

Center Freq.[MHz]	Meas.Level [dBm]	Av.PSD [dBm]	Limit [dBm]	Result
2412	-4.888	-4.373	8	Pass
2437	-5.308	-4.793	8	Pass
2462	-5.430	-4.907	8	Pass





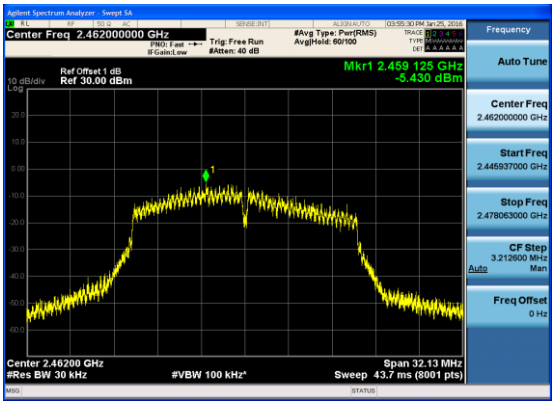
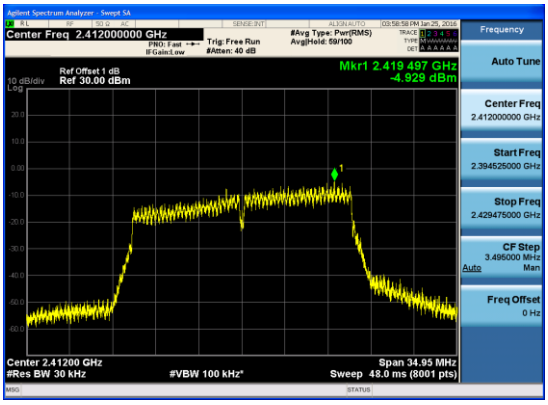
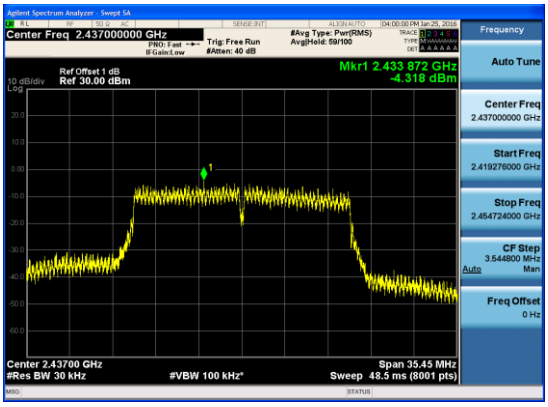


Table 16 Maximum Power Spectral Density Level Test Data 802.11n HT20

Center Freq.[MHz]	Meas.Level [dBm]	Av.PSD [dBm]	Limit [dBm]	Result
2412	-4.929	-4.371	8	Pass
2437	-4.318	-3.768	8	Pass
2462	-4.888	-4.338	8	Pass





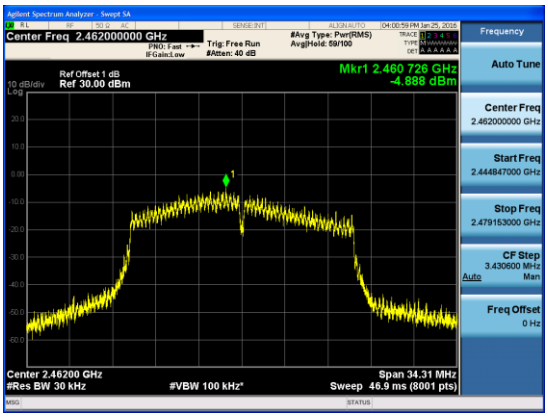
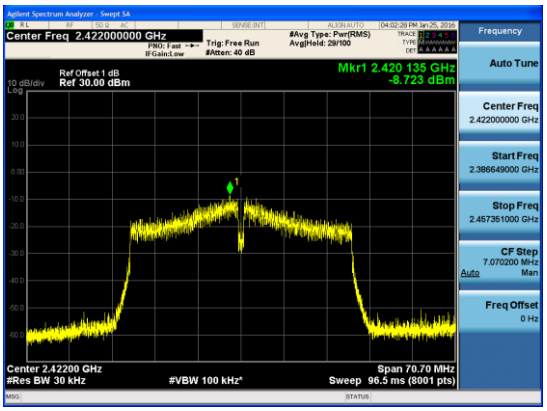
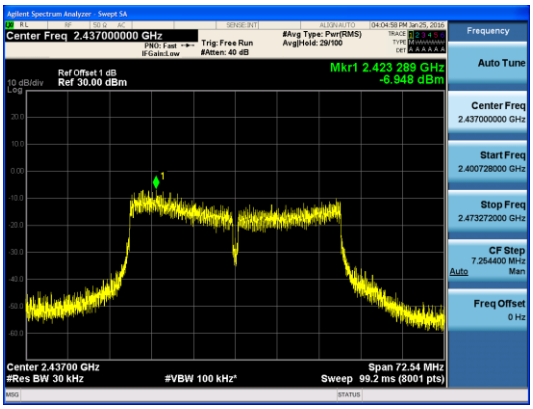
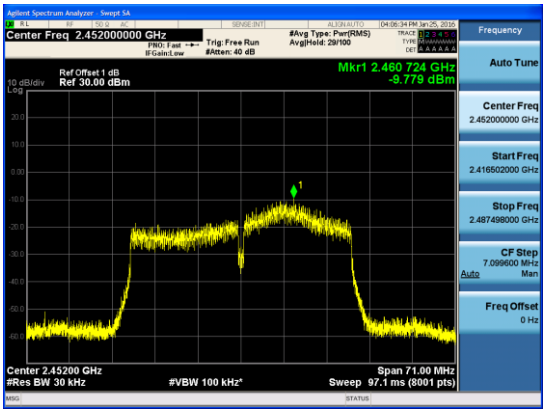


Table 17 Maximum Power Spectral Density Level Test Data 802.11n HT40

Center Freq.[MHz]	Meas.Level [dBm]	Av.PSD [dBm]	Limit [dBm]	Result
2422	-8.723	-7.662	8	Pass
2437	-6.948	-5.904	8	Pass
2452	-9.779	-8.735	8	Pass







8. CONDUCTED BANDEDGE AND SPURIOUS MEASURMENT

8.1. LIMITS OF Conducted Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d) and 558074 D01 DTS Meas Guidance v03r02

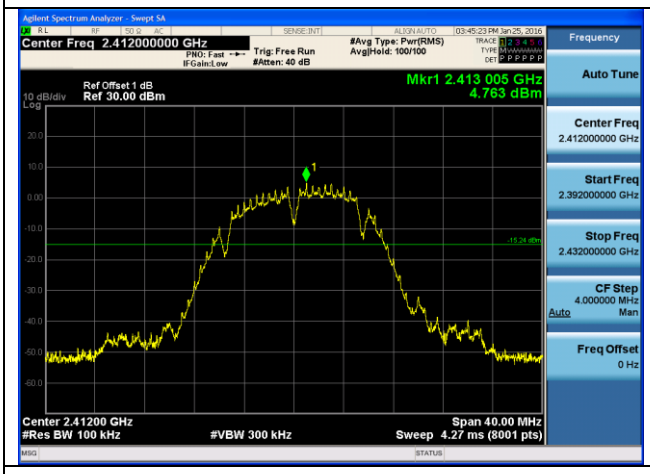
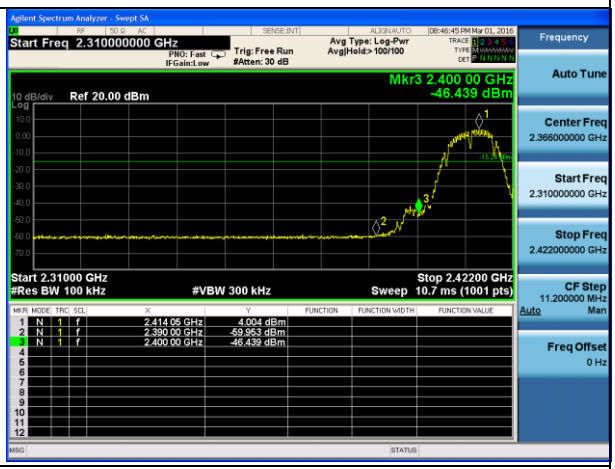
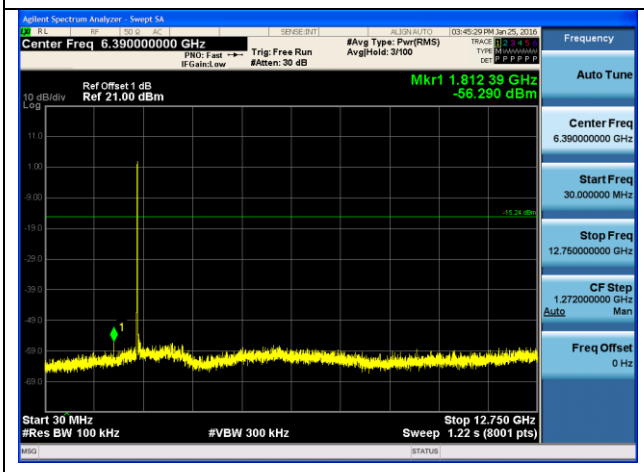
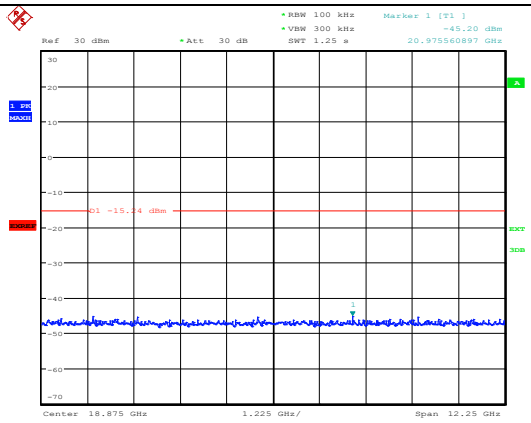
8.2. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer.
Establish a reference level by using the following procedure:
a)Set instrument center frequency to DTS channel center frequency.
b)Set the span to ≥ 2 times the EBW.
c)Set the RBW = 100 kHz.
d)Set the VBW ≥ 3 x RBW.
e)Detector = peak.
f)Sweep time = auto couple.
g)Trace mode = max hold.
h)Allow trace to fully stabilize.
i)Use the peak marker function to determine the maximum PSD level.
Emission level measurement
a)Set the center frequency and span to encompass frequency range to be measured.
b)Set the RBW = 100 kHz.
c)Set the VBW ≥ 3 x RBW.
d)Detector = peak.
e)Ensure that the number of measurement points ≥ span/RBW
f)Sweep time = auto couple.
g)Trace mode = max hold.
h)Allow trace to fully stabilize.
i)Use the peak marker function to determine the maximum amplitude level.

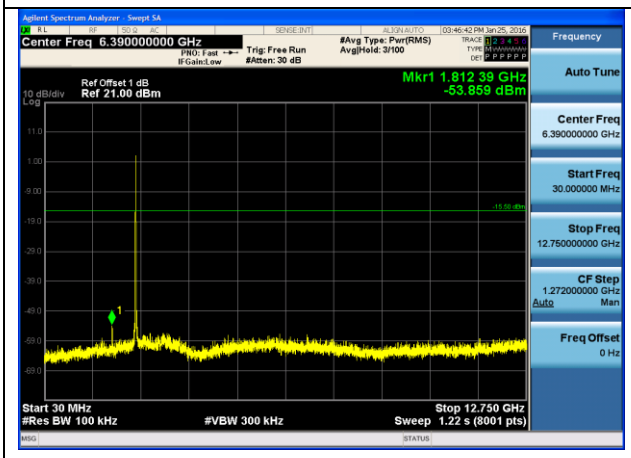
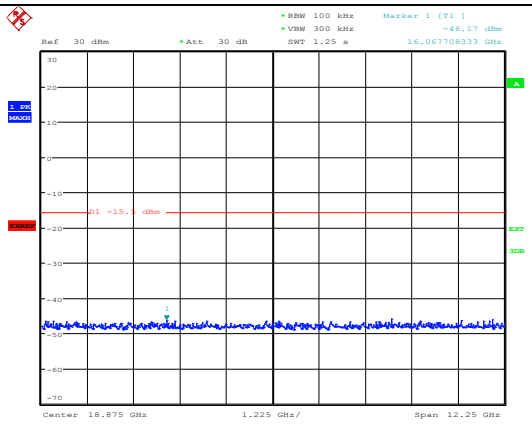
Test Result ： ALL emission outside of 2400-2483.5 are lower at least 30dB than fundamental frequency.

8.3.TEST DATA

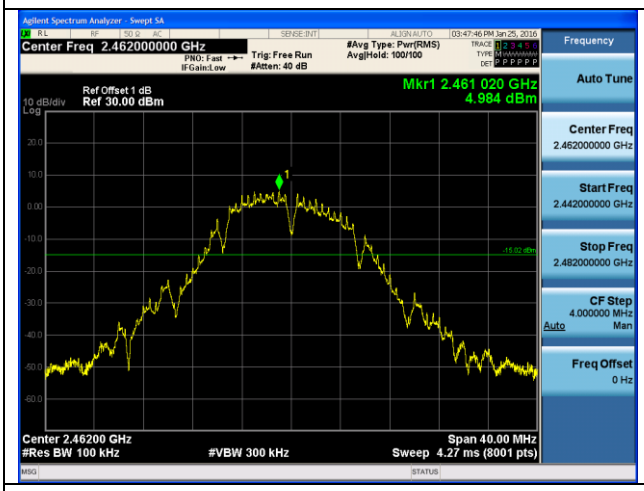
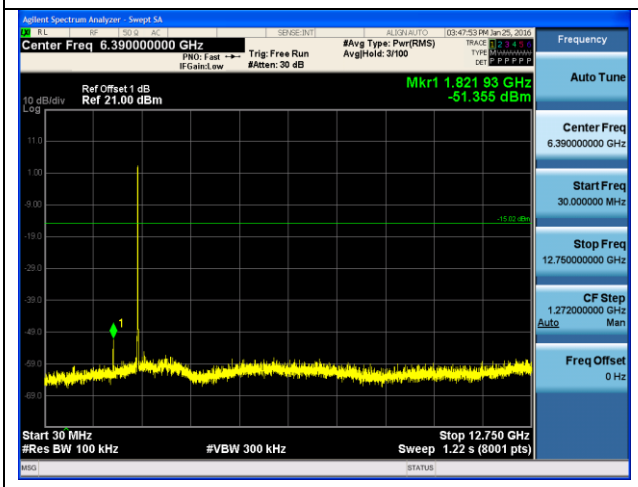
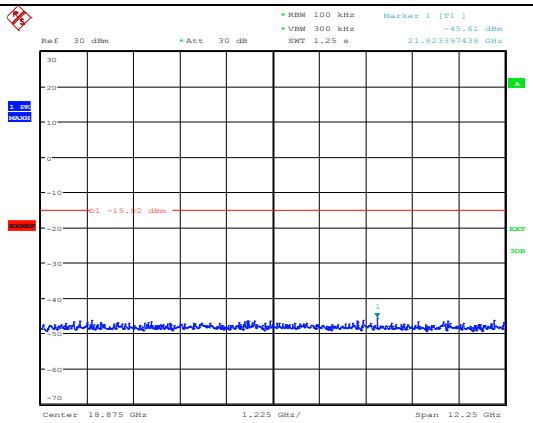
802.11b CH1

Pref	Lower Edge
	
30MHz-12.75GHz	12.75GHz -25GHz
	

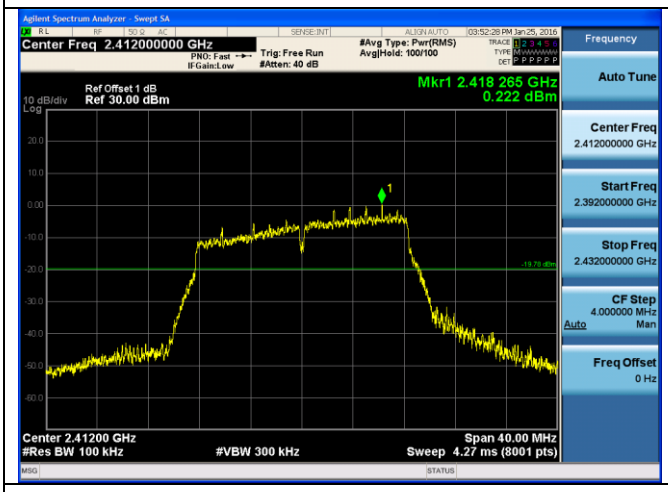
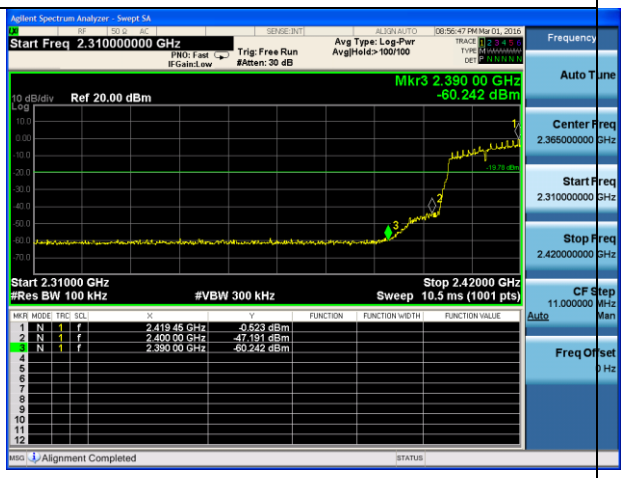
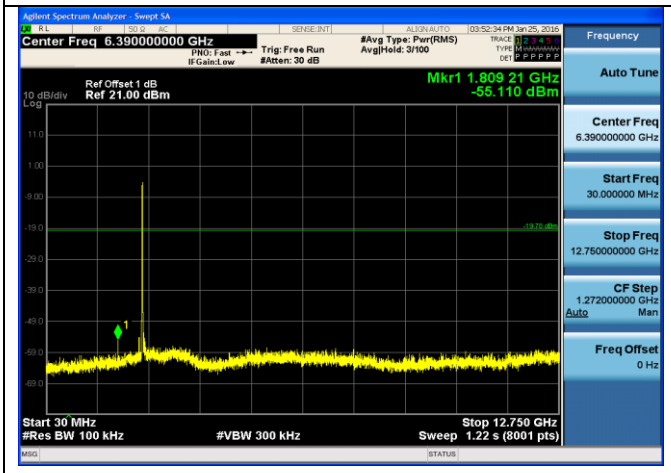
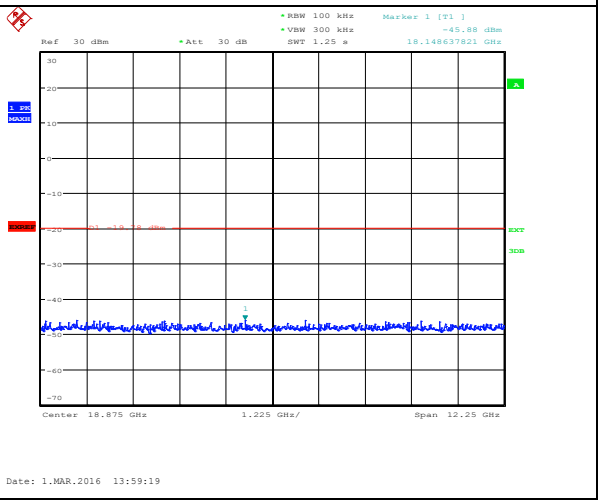
802.11b CH6

Pref	
	
30MHz-12.75GHz	12.75GHz -25GHz
	

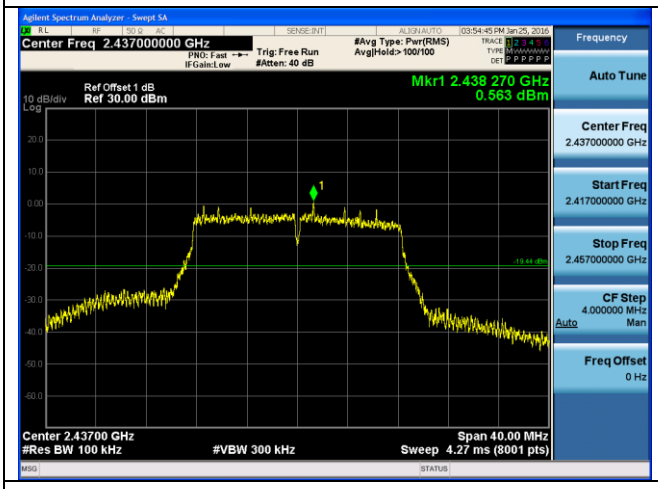
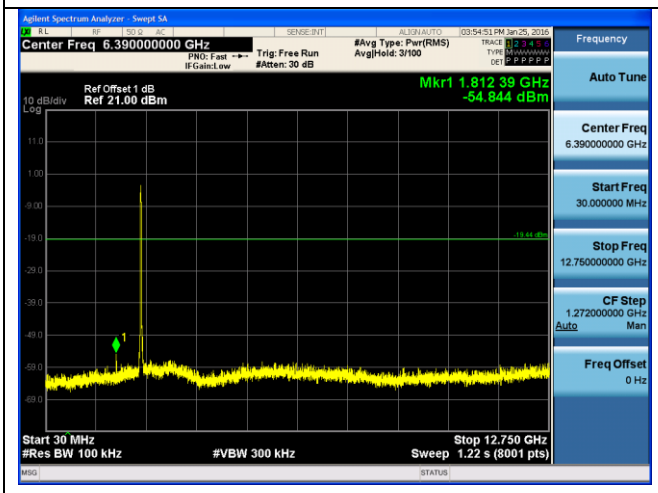
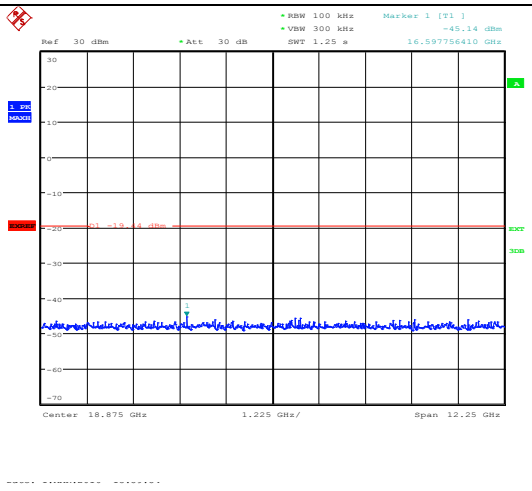
802.11b CH11

Pref	Upper Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

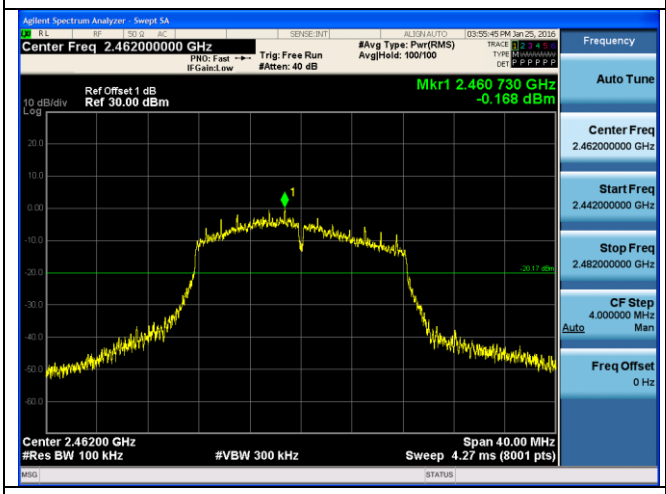
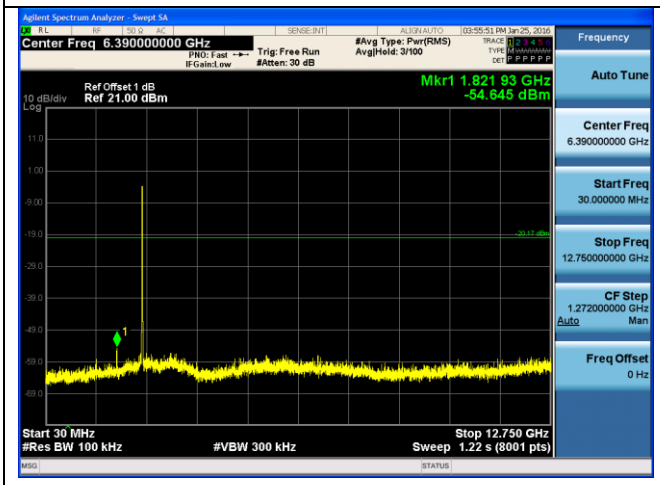
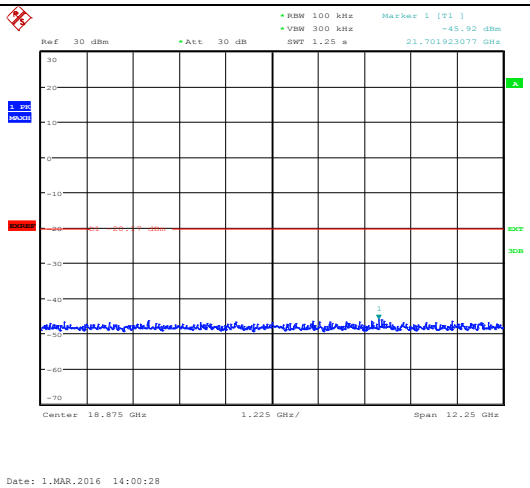
802.11g CH1

Pref	Lower Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

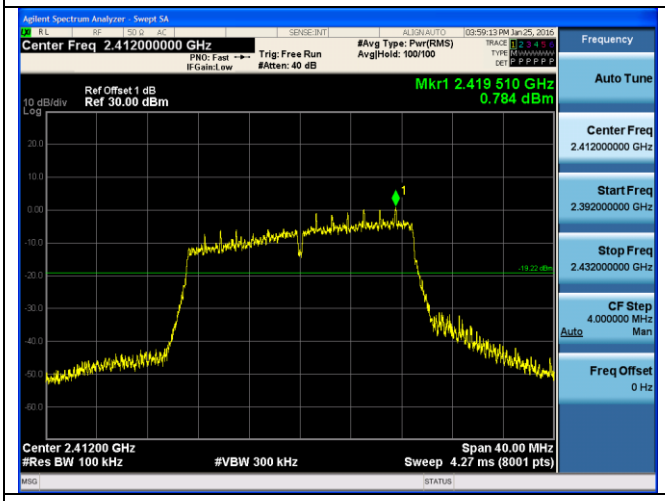
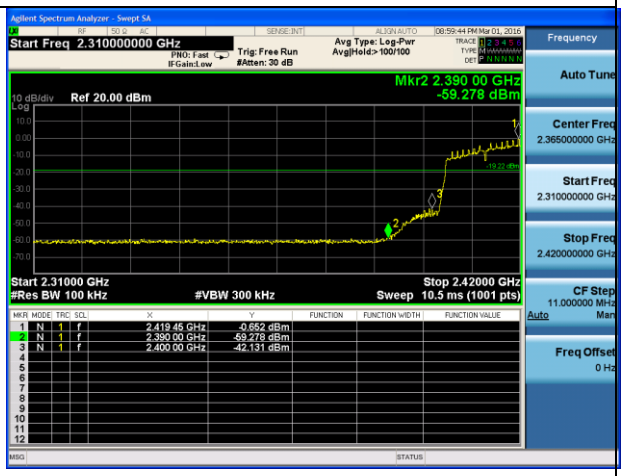
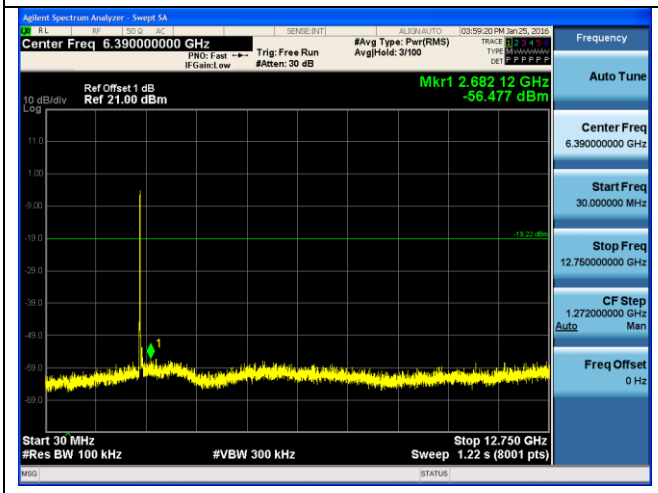
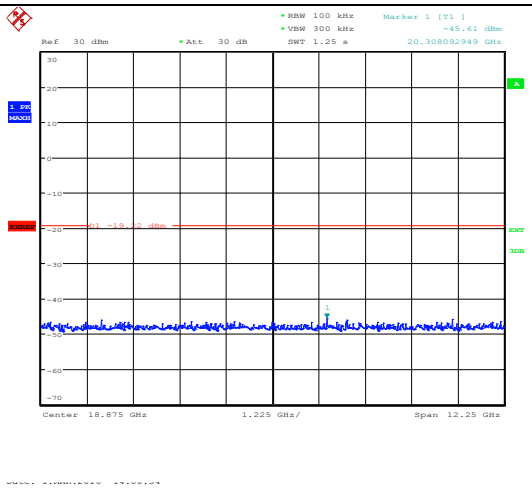
802.11g CH6

Pref	
	
30MHz-12.75GHz	12.75GHz -25GHz
	

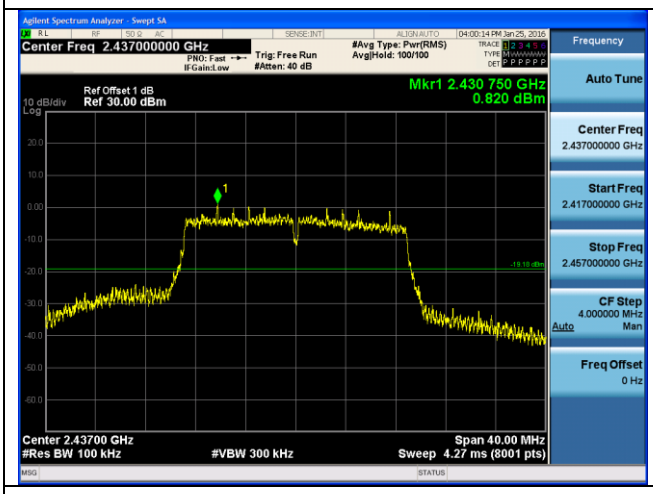
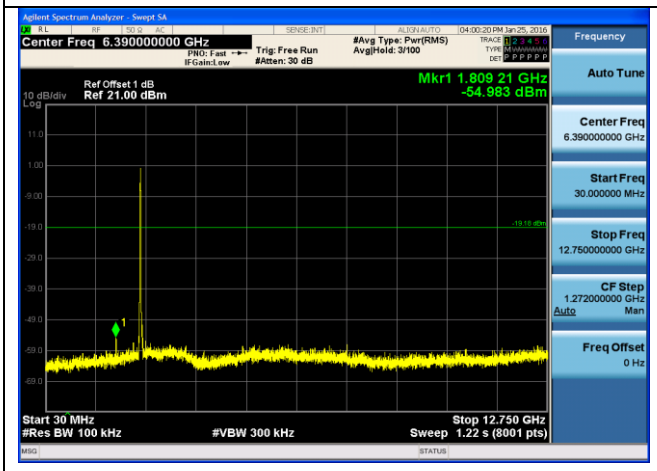
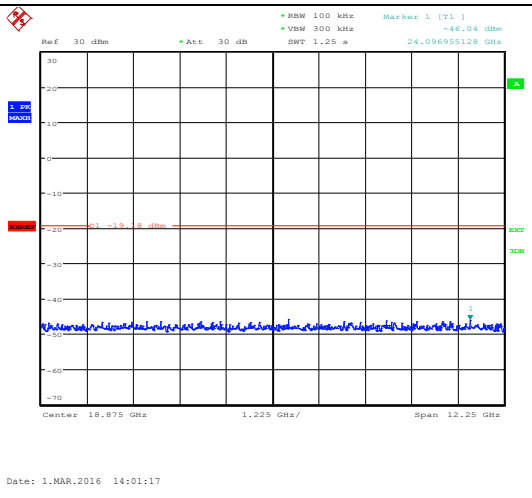
802.11g CH11

Pref	Upper Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

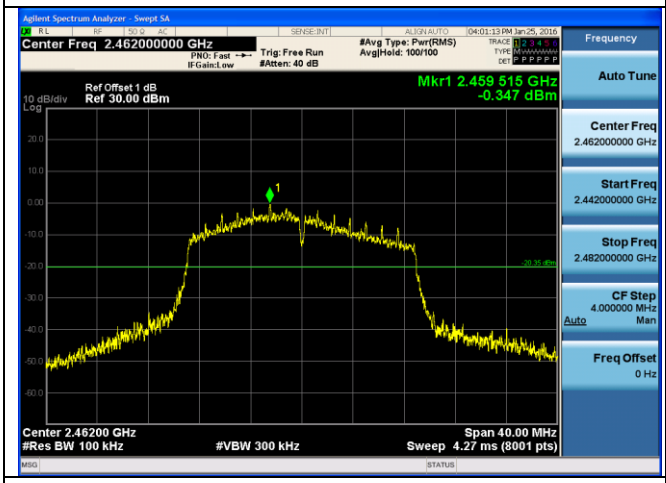
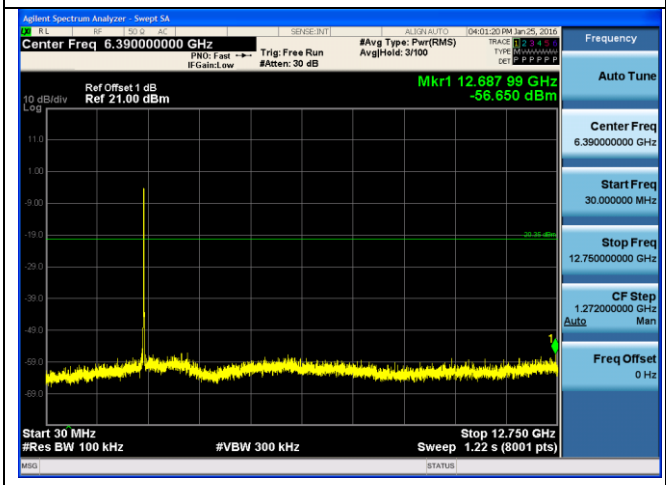
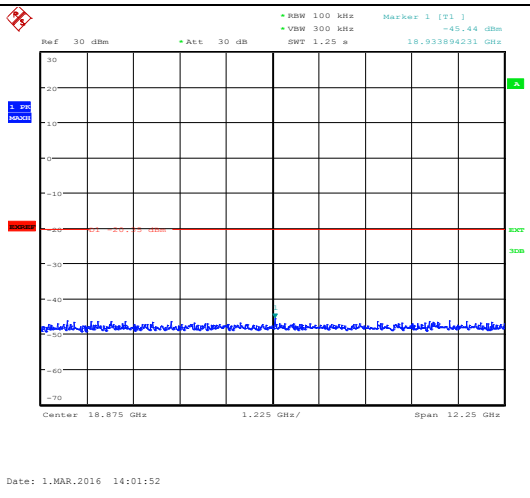
802.11n HT20 CH1

Pref	Lower Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

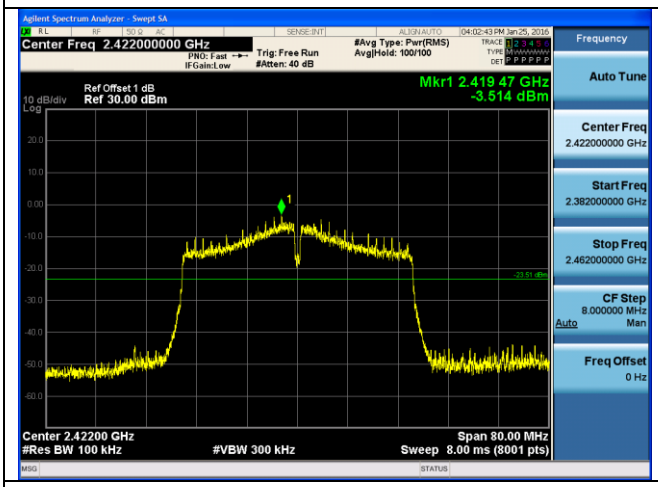
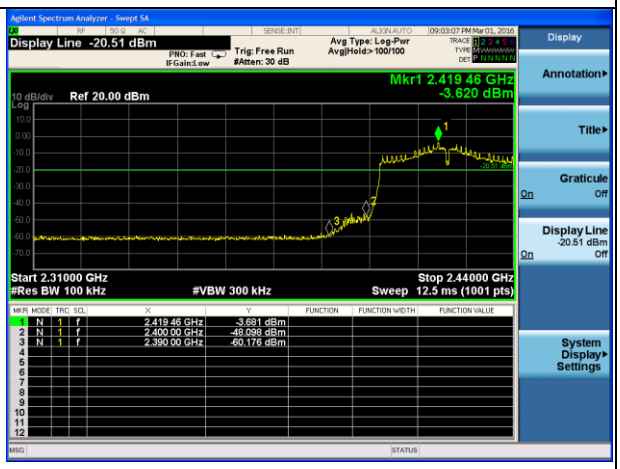
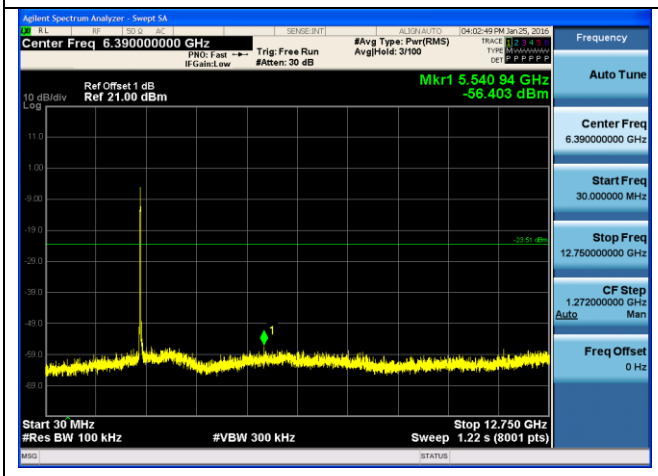
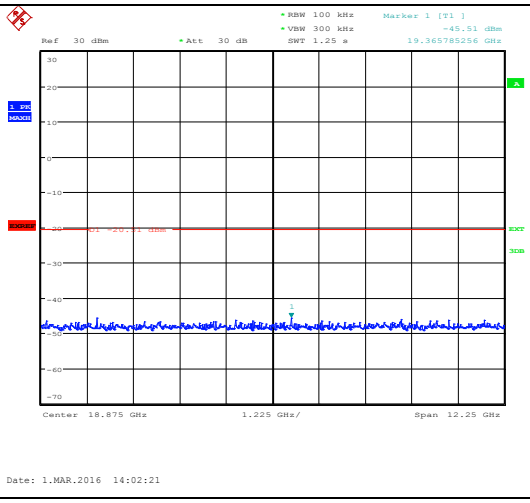
802.11n HT20 CH6

Pref	
	
30MHz-12.75GHz	12.75GHz -25GHz
	

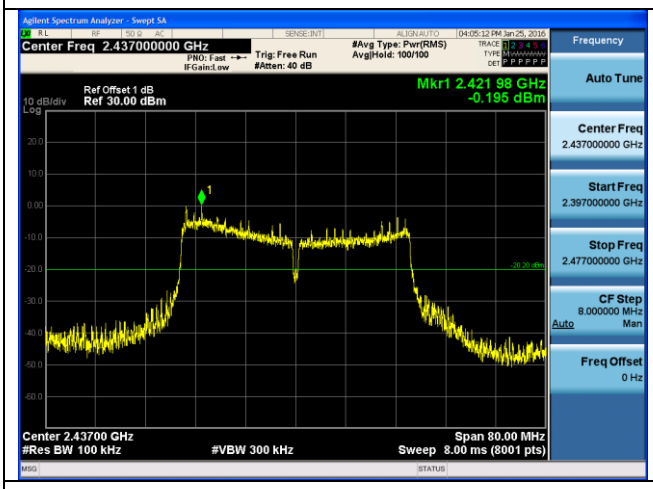
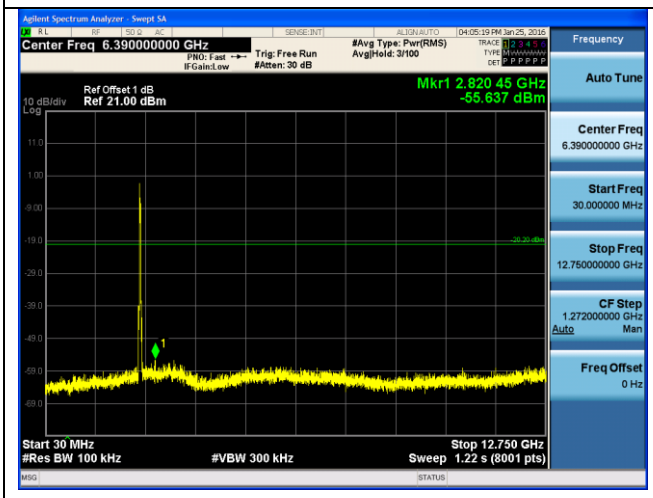
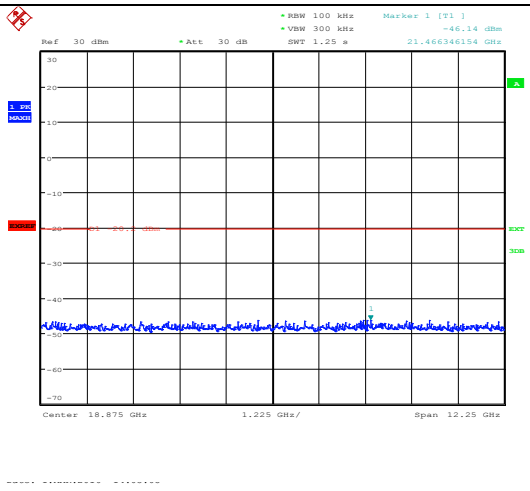
802.11n HT20 CH11

Pref	Upper Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

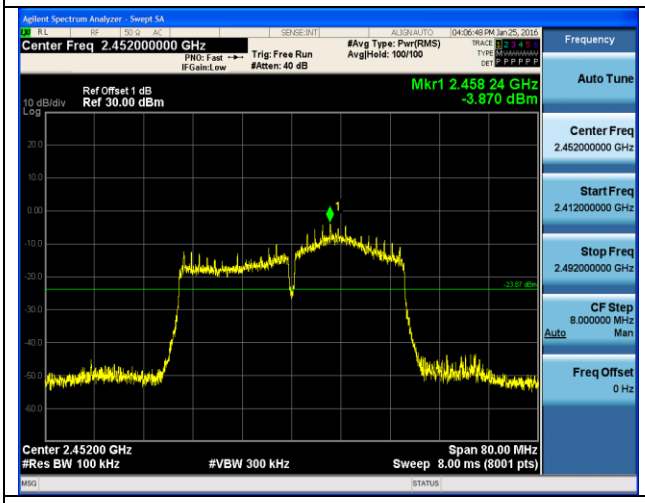
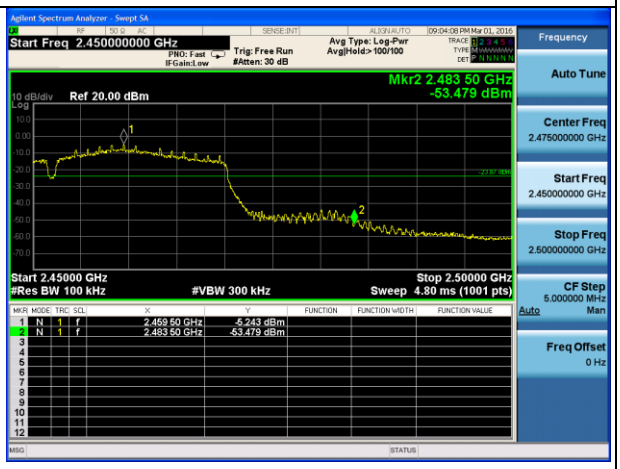
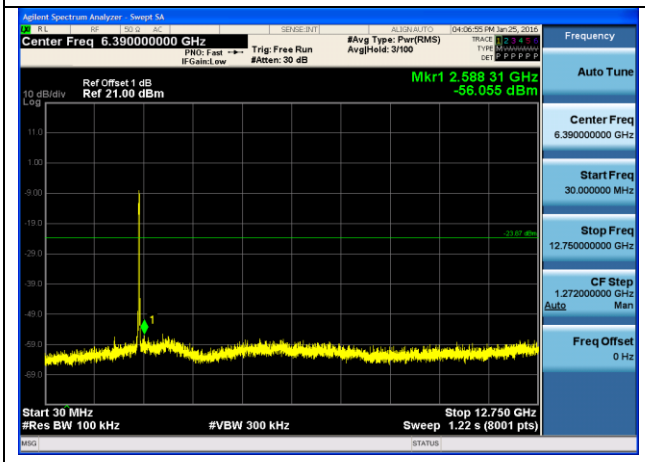
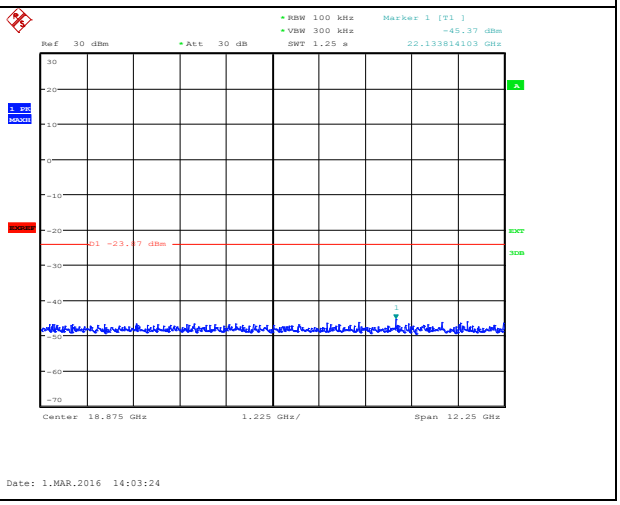
802.11n HT40 CH3

Pref	Lower Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

802.11n HT40 CH6

Pref	
	
30MHz-12.75GHz	12.75GHz -25GHz
	

802.11n HT40 CH9

Pref	Upper Edge
	
30MHz-12.75GHz	**12.75GHz -25GHz**
	

9. RADIATED BANDEDGE AND SPURIOUS MEASUREMENT

9.1. LIMITS OF Radiated Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d) and 558074 D01 DTS Meas Guidance v03r02

9.2. TEST PROCEDURE

1. The testing follows the guidelines in ANSI C63.10-2009.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Use the following spectrum analyzer settings:
(1) Span shall wide enough to fully capture the emission being measured;
(2) Set RBW=100 kHz for f < 1 GHz; VBW >= RBW; Sweep = auto; Detector function = peak; Trace = max hold;
(3) Set RBW = 1 MHz, VBW= 3MHz Detector function = peak for f > 1 GHz for peak measurement.
Set RBW = 1 MHz, VBW= 10Hz Detector function = peak for f > 1 GHz for AV measurement.

9.3.TEST DATA

9KHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

Radiated Emission Test Data 9k Hz-30MHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--

30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don't show in following result tables are more than 20dB below the limits.

Radiated Emission Test Data 30MHz-1GHz

Frequency MHz	Cable Loss(dB)	Antenna Factor(dB)	Readings(dBμV/m)	Level(dBμV/m)	Polarity(H/V)	Turntable Angle(deg)	Antenna Height(m)	Limits(dBμV/m)	Margin(dB)
54.554	0.8	13.3	10.0	24.1	H	120	1.0	40.0	15.9
68.877	0.9	10.7	15.0	26.6	H	70	1.0	40.0	13.4
86.372	1.1	10.3	16.5	27.9	H	230	1.0	40.0	12.1
38.465	0.7	12.3	18.5	31.5	V	330	1.0	40.0	8.5
43.988	0.7	13.6	14.3	28.6	V	60	1.0	40.0	11.4
56.276	0.9	13.0	14.1	28	V	0	1.0	40.0	12.0

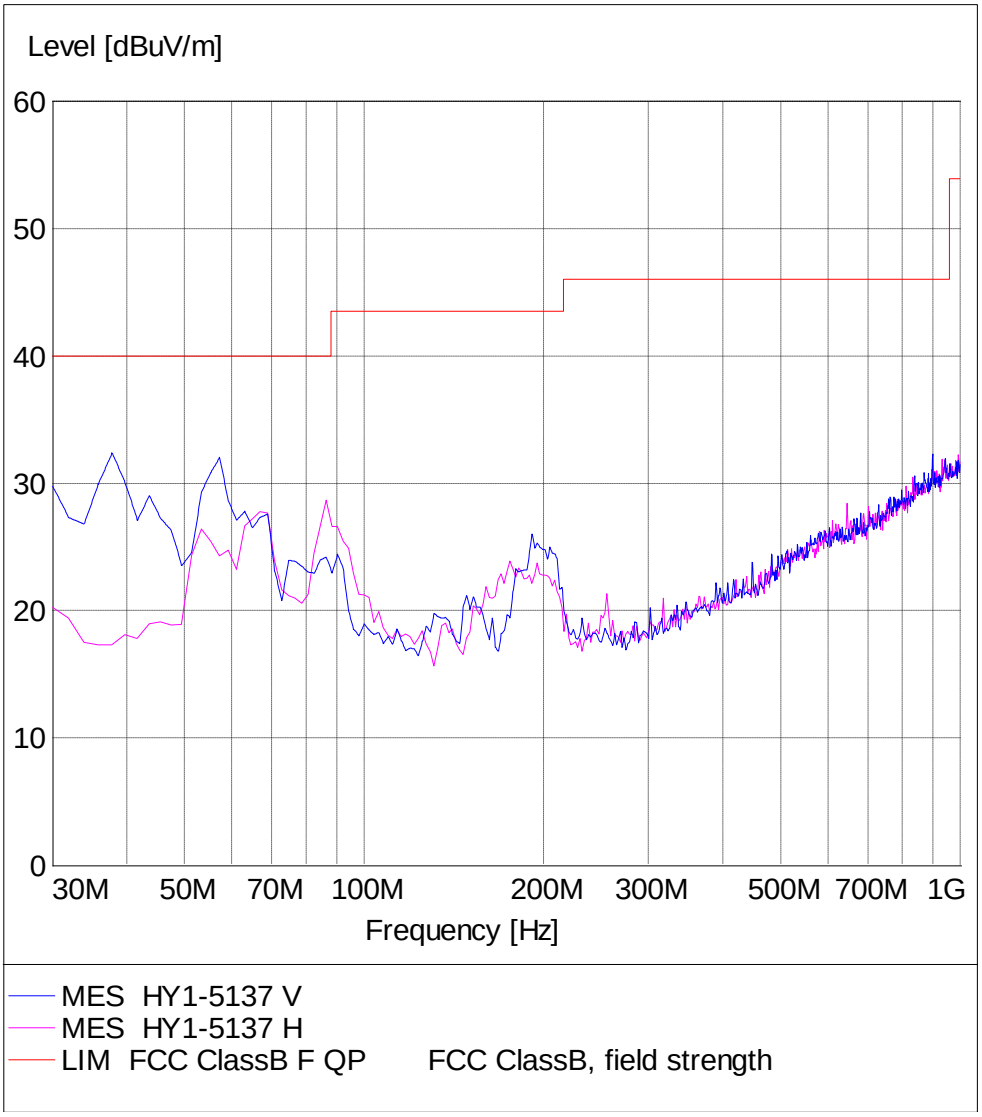
Radiated Emission

EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Charging
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal\ Vertical
Operator Name:	
Comment:	



1-18G

11b

Ch1

Radiated Emission

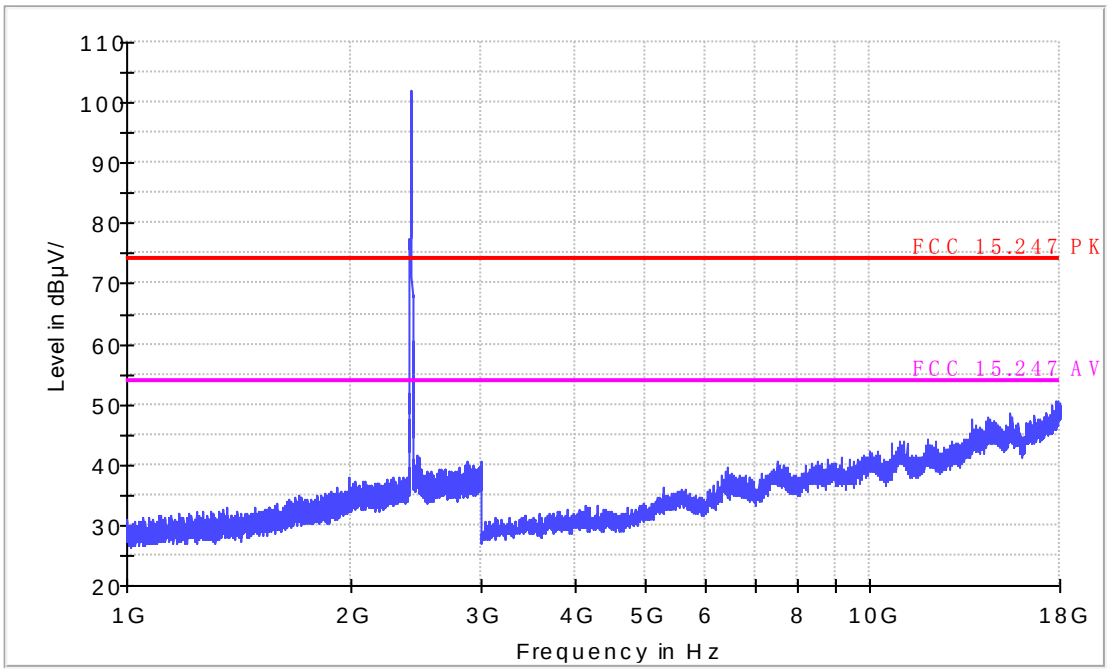
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH1
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Radiated Emission

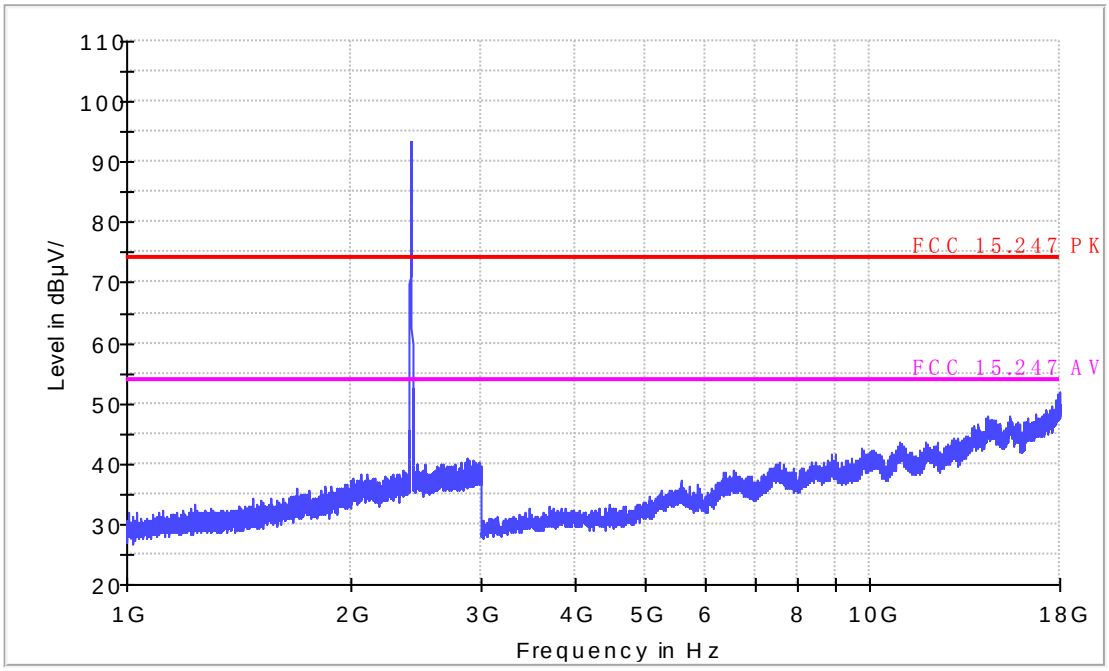
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH1
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



1-18G

11b

CH6

Radiated Emission

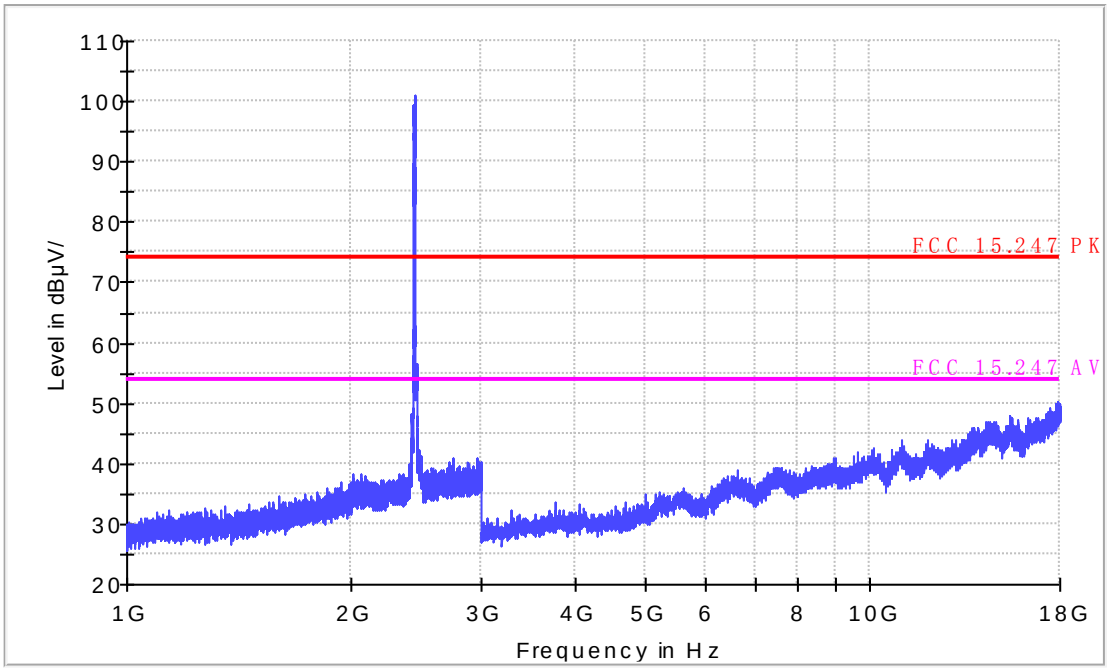
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH6
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Radiated Emission

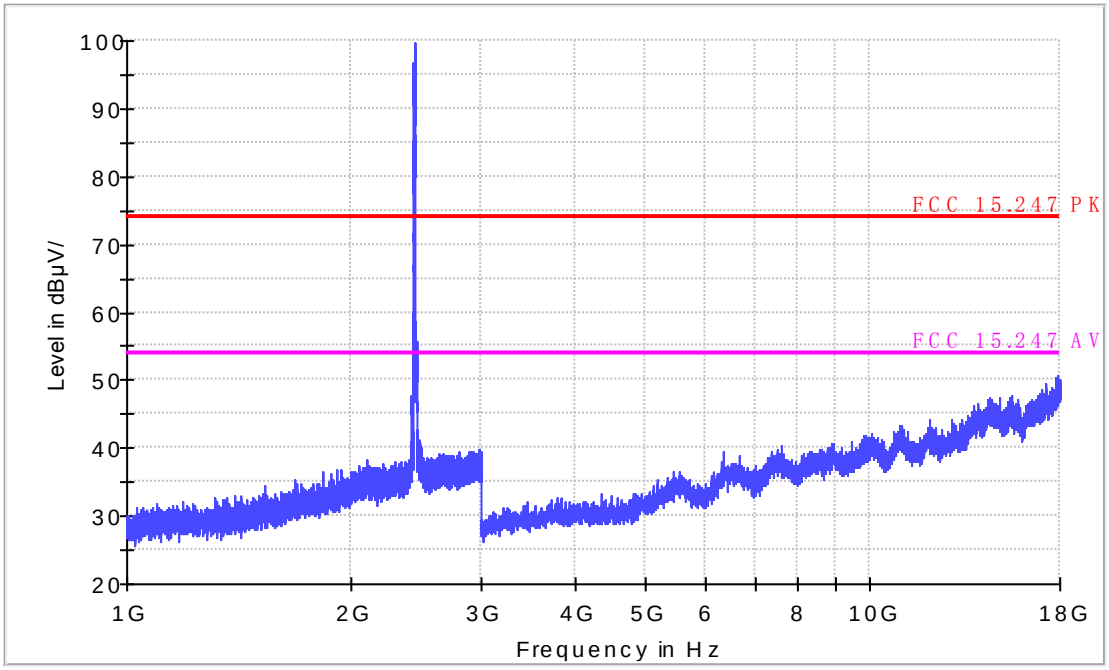
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH6
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



1-18G

11b

CH11

Radiated Emission

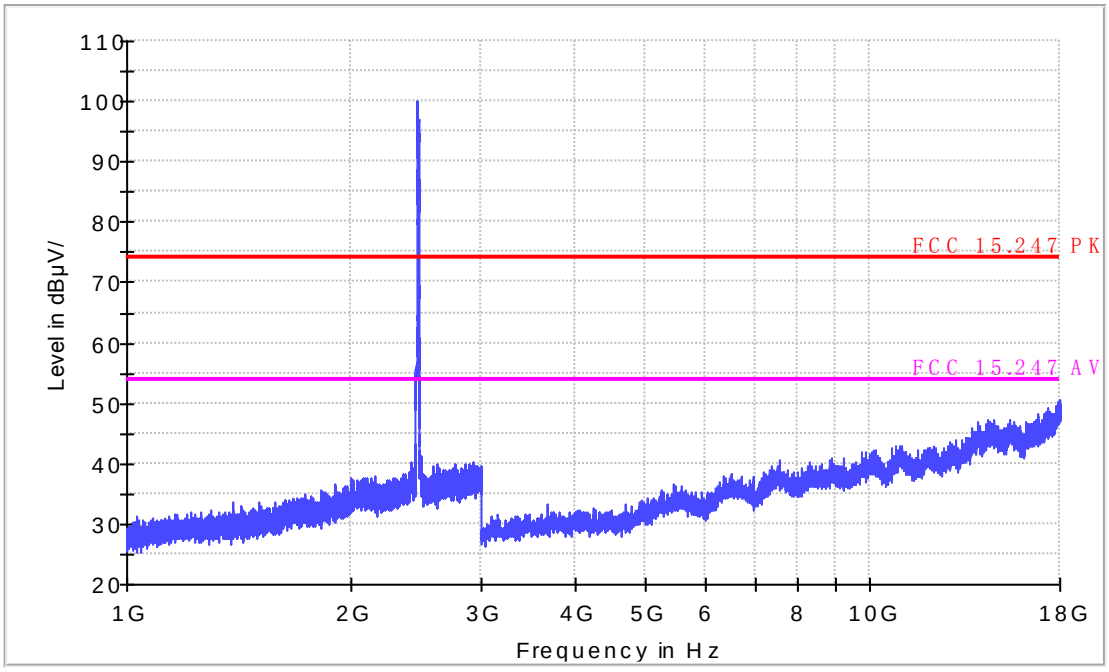
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH11
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Radiated Emission

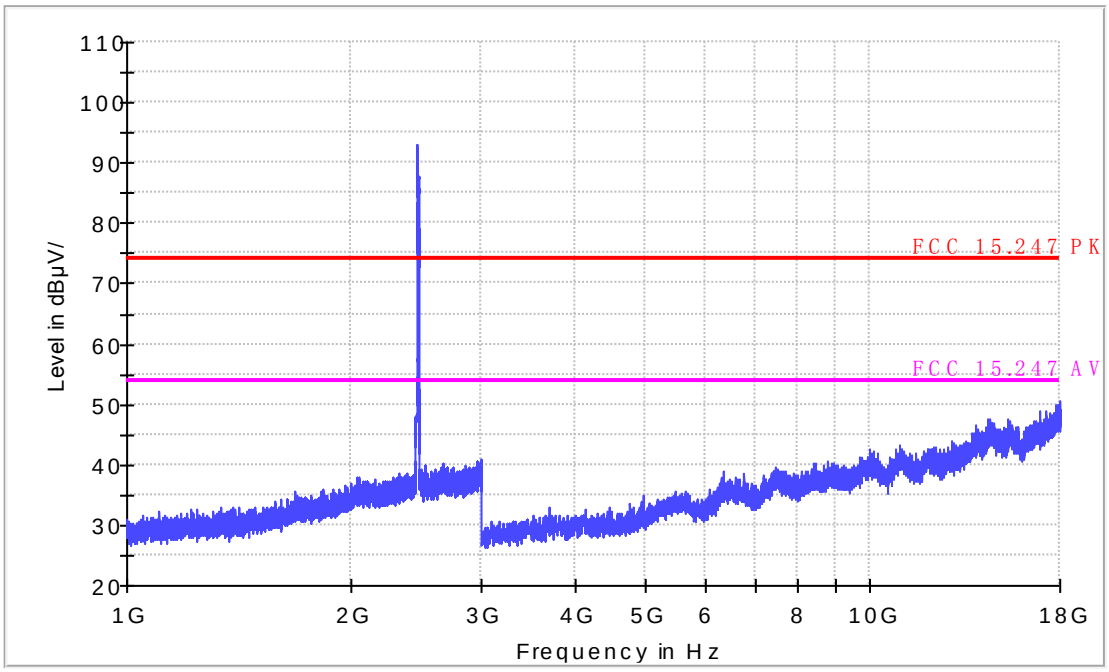
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11b CH11
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



1-18G

11g

CH1

Radiated Emission

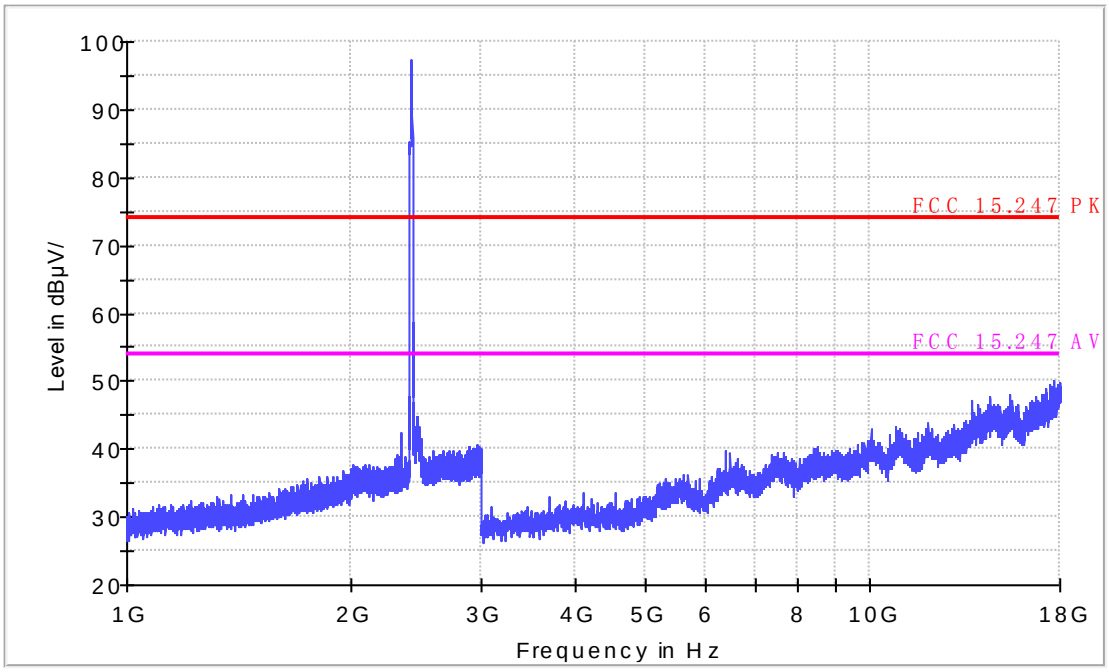
EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11g CH1
Test Voltage:	
Comment:	

Common Information

Test Site:	SMO EMC Lab.
Environment	
Antenna Polarization:	Horizontal
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz



Radiated Emission

EUT Information

EUT Model Name:	HY1-5137
Operation mode:	Wifi 11g CH1
Test Voltage:	
Comment:	

Common Information

Test Site:	SMQ EMC Lab.
Environment	
Antenna Polarization:	Vertical
Operator Name:	
Comment:	

FCC Electric Field Strength 1-18GHz operate on 2.4GHz