



FCC RF Test Report

APPLICANT : Samsara Networks
EQUIPMENT : VG34
BRAND NAME : SAMSARA
MODEL NAME : 010-0034
MARKETING NAME : VG34
FCC ID : 2AIHD0034
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

The product was received on May 04, 2017 and testing was completed on Jun. 12, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



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FCC ID : 2AIHD0034

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Report Issued Date : Jun. 23, 2017

Report Version : Rev. 01

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR750434B	Rev. 01	Initial issue of report	Jun. 23, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	$\geq 0.5\text{MHz}$	Pass	-
3.1	-	99% Bandwidth	-	Pass	-
3.2	15.247(b)	Power Output Measurement	$\leq 30\text{dBm}$	Pass	-
3.3	15.247(e)	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$	Pass	-
3.4	15.247(d)	Conducted Band Edges	$\leq 20\text{dBc}$	Pass	-
		Conducted Spurious Emission		Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 0.57 dB at 2390.000 MHz
-	15.207	AC Conducted Emission	15.207(a)	Not Required	-
3.6	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-
Note: Not required means after assessing, test items are not necessary to carry out.					



1 General Description

1.1 Applicant

Samsara Networks

201 Potrero Avenue, San Francisco, CA 94103

1.2 Manufacturer

Samsara Networks

201 Potrero Avenue, San Francisco, CA 94103

1.3 Product Feature of Equipment Under Test

WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, and GPS.

Product Specification subjective to this standard	
Antenna Type	WWAN: Monopole Antenna WLAN: Internal Antenna Bluetooth: Internal Antenna GPS / Glonass : Ant. 1: Internal Antenna Ant. 2: External Antenna

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Testing Location

Test Site	SPORTON International (ShenZhen) INC.
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan District, Shenzhen City, Guangdong Province, China TEL: +86-755-8637-9589 FAX: +86-755-8637-9595
Test Site No.	Sporton Site No.
	TH01-SZ

Note: The test site complies with ANSI C63.4 2014 requirement.

Test Site	SPORTON International (ShenZhen) INC.	
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755- 3320-2398	
Test Site No.	Sporton Site No.	FCC Registration No.
	03CH03-SZ	565805

Note: The test site complies with ANSI C63.4 2014 requirement.

1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04
- ♦ ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

2.1 Carrier Frequency and Channel

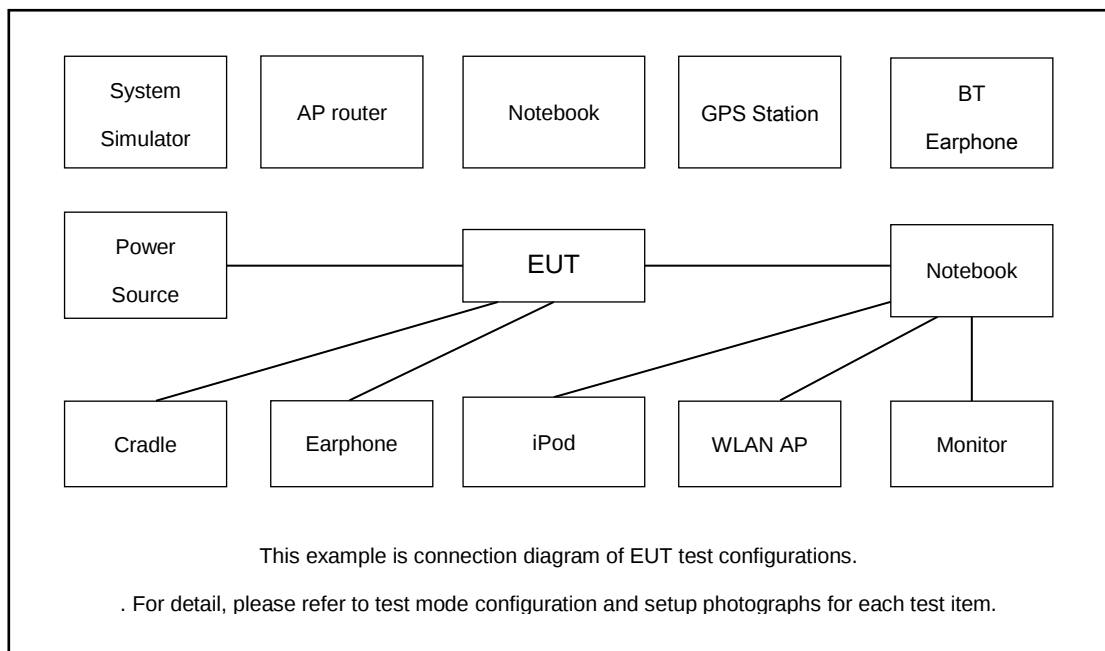
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437	-	-

2.2 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPC-60300	N/A	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, an engineering test program was provided and enabled to make EUT continuous transmit/receive.



2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

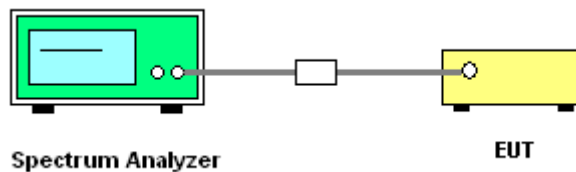
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v04.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1MHz and set the Video bandwidth (VBW) = 3MHz.
6. Measure and record the results in the test report.

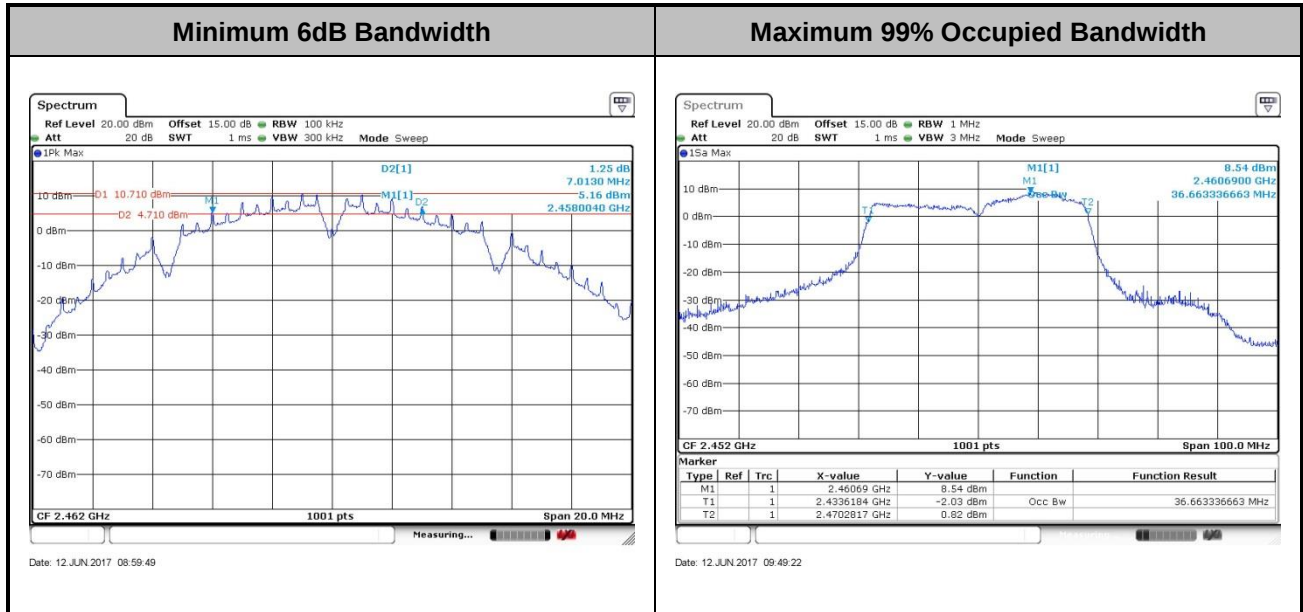
3.1.4 Test Setup





3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

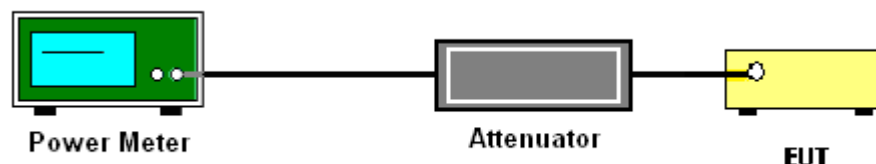
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v04 section 9.1.2 PKPM1 Peak power meter method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average output Power (Reporting Only)

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

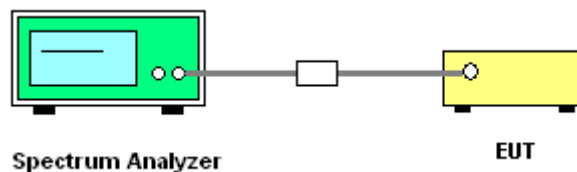
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

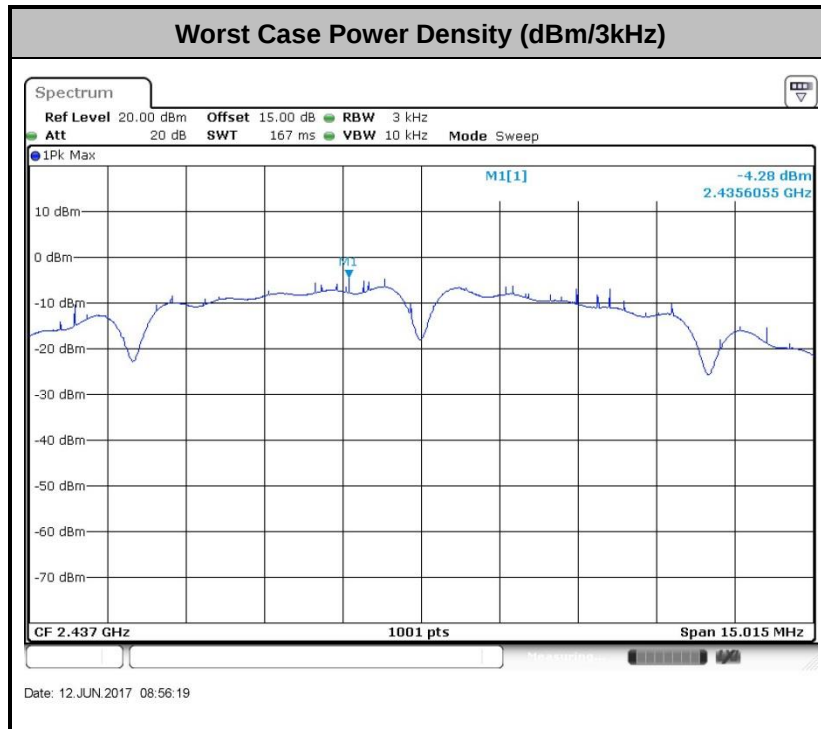
1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

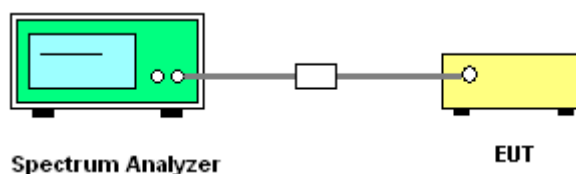
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

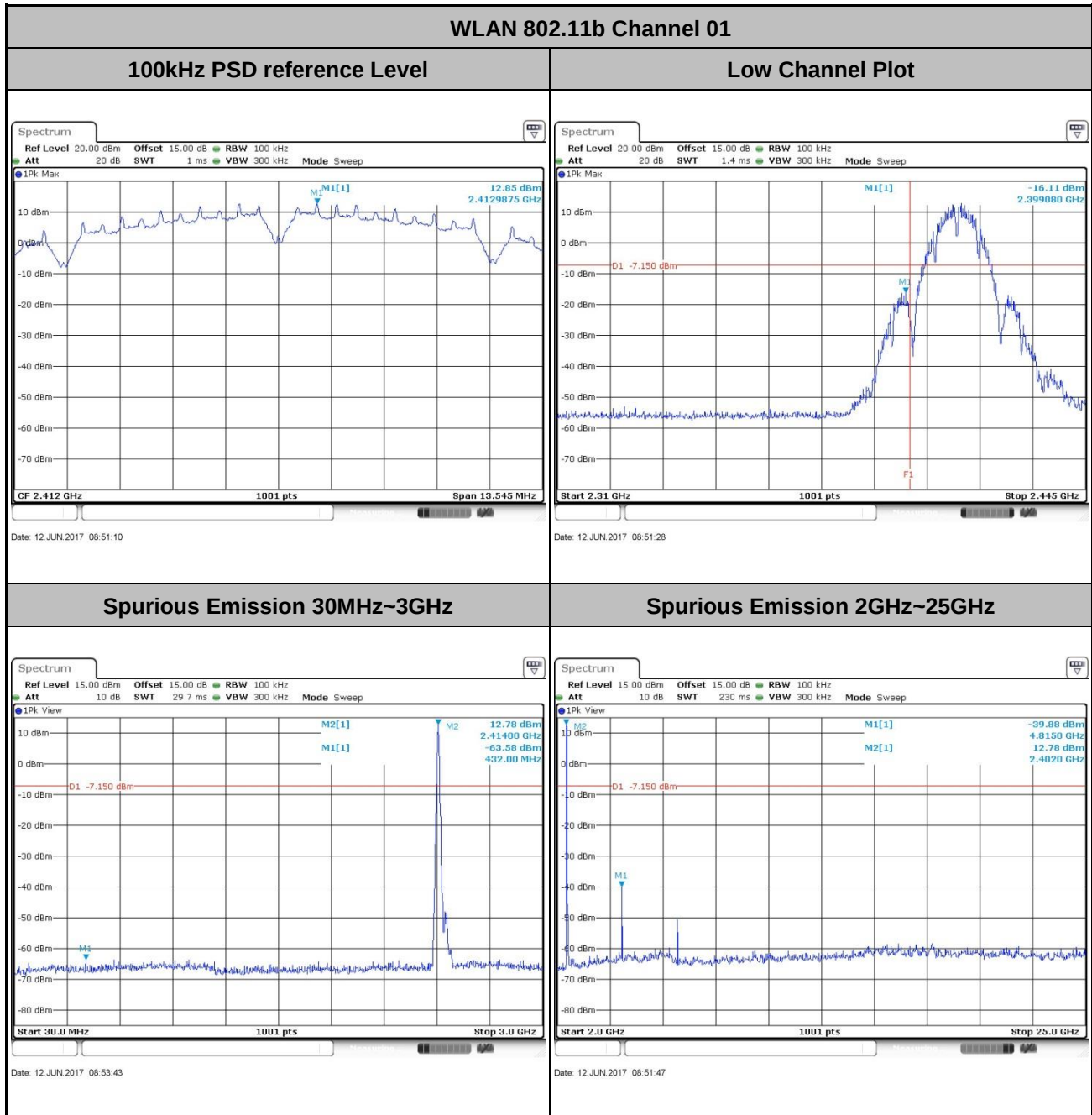
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



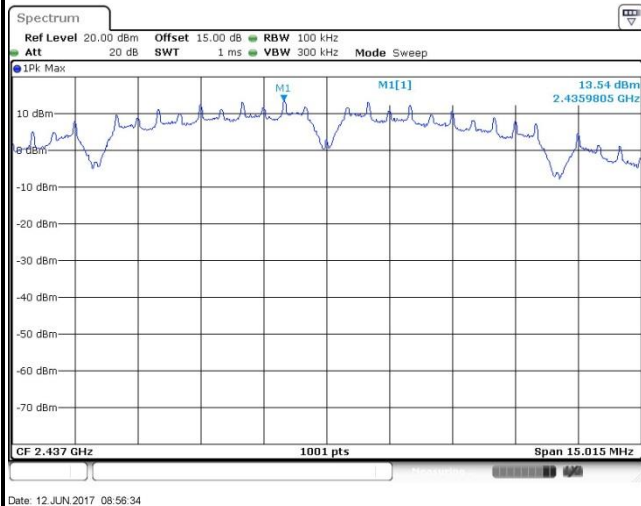
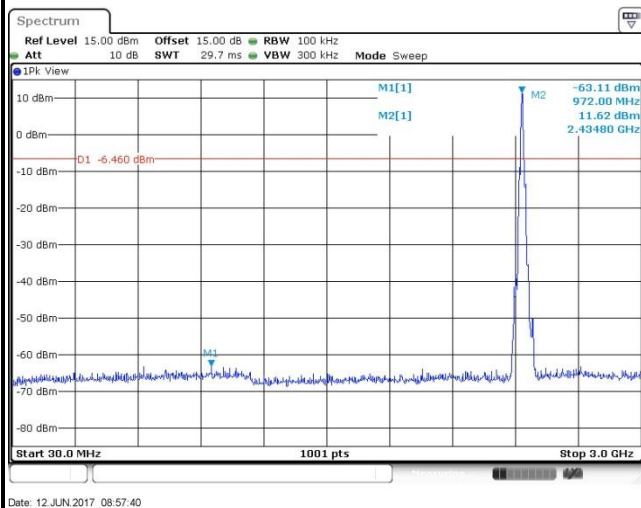
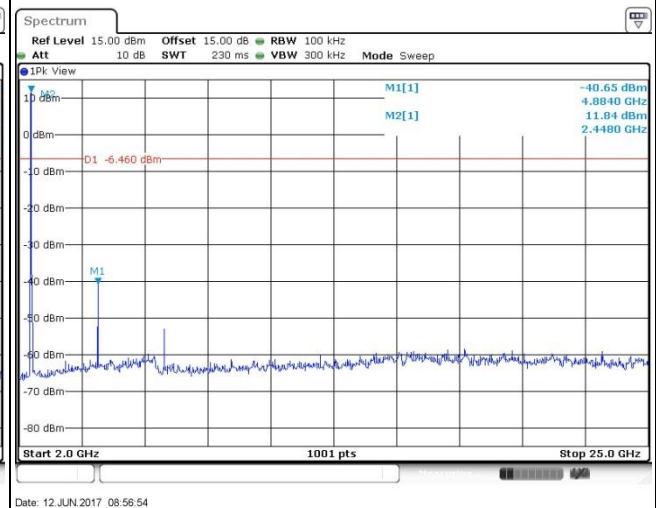
3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Mode :	802.11b	Temperature :	21~25℃
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Sam Zheng



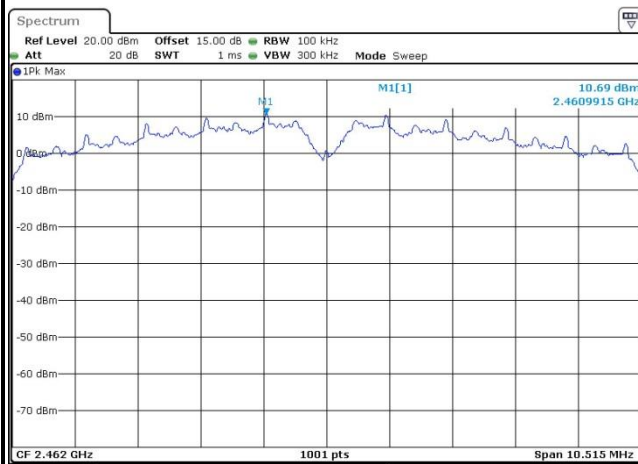


Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Sam Zheng

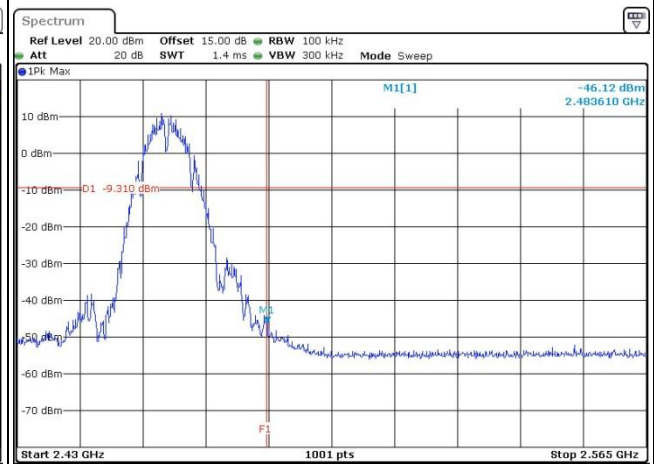
WLAN 802.11b Channel 06**100kHz PSD reference Level****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



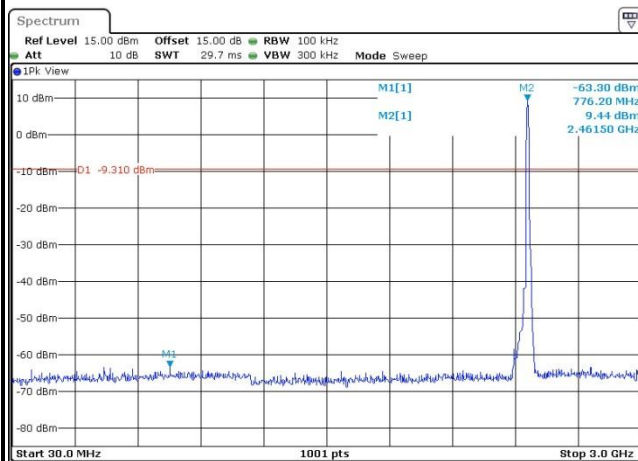
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Sam Zheng

WLAN 802.11b Channel 11**100kHz PSD reference Level**

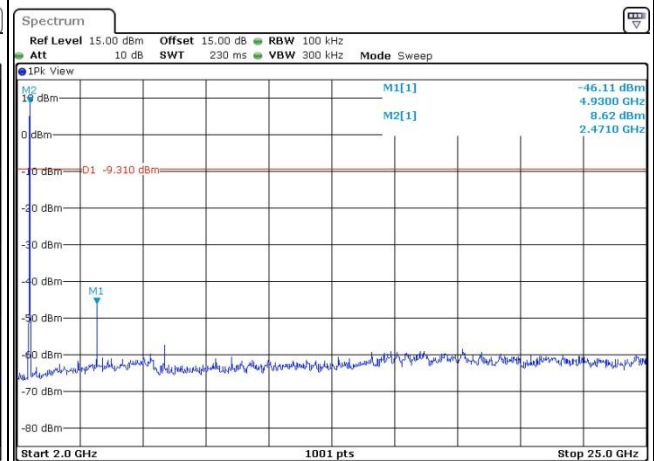
Date: 12 JUN 2017 09:01:01

High Channel Plot

Date: 12 JUN 2017 09:04:41

Spurious Emission 30MHz~3GHz

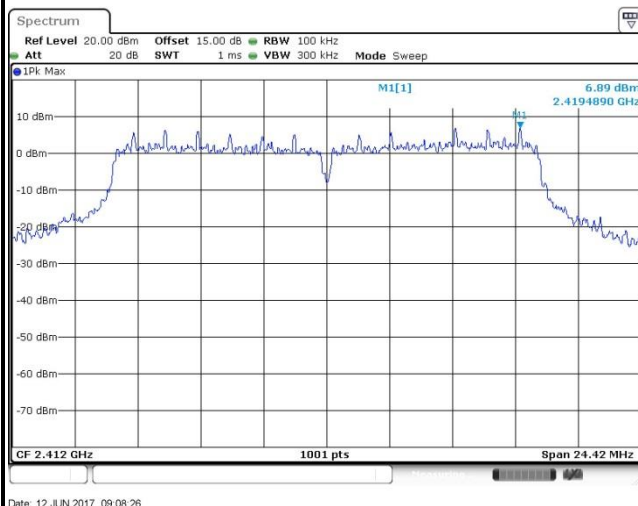
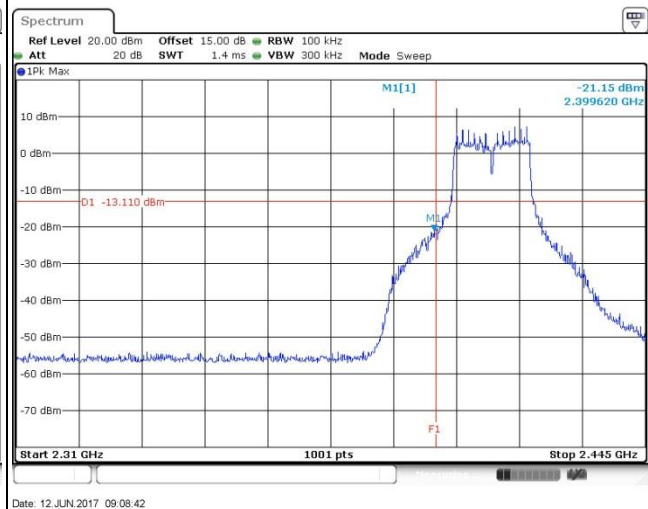
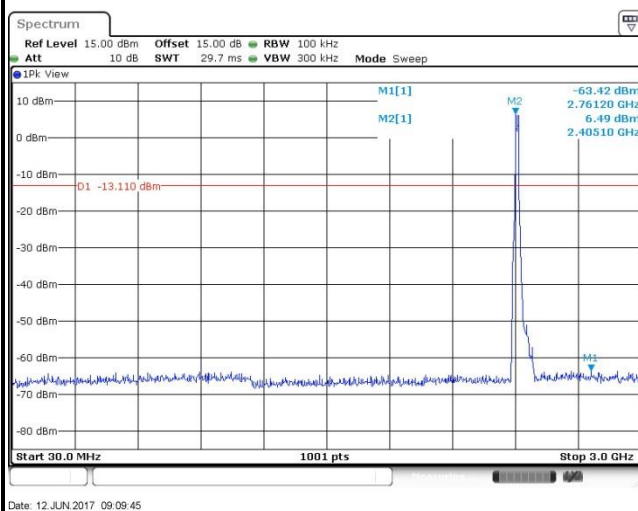
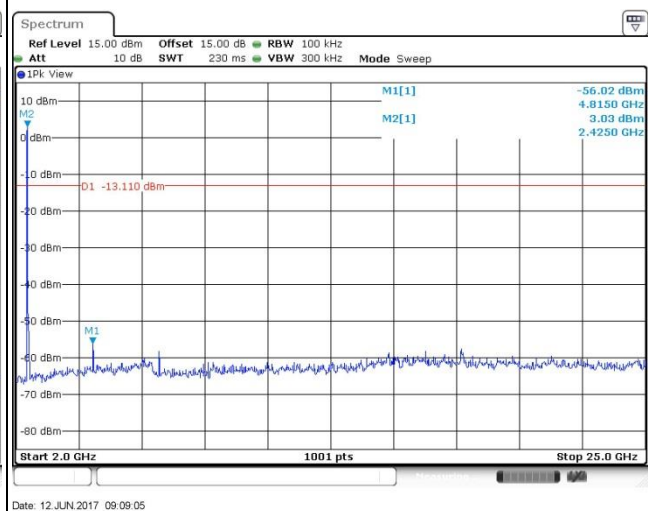
Date: 12 JUN 2017 09:06:00

Spurious Emission 2GHz~25GHz

Date: 12 JUN 2017 09:05:00

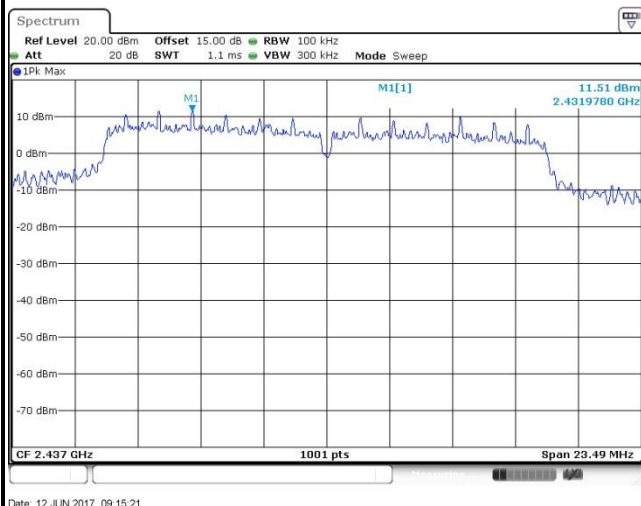
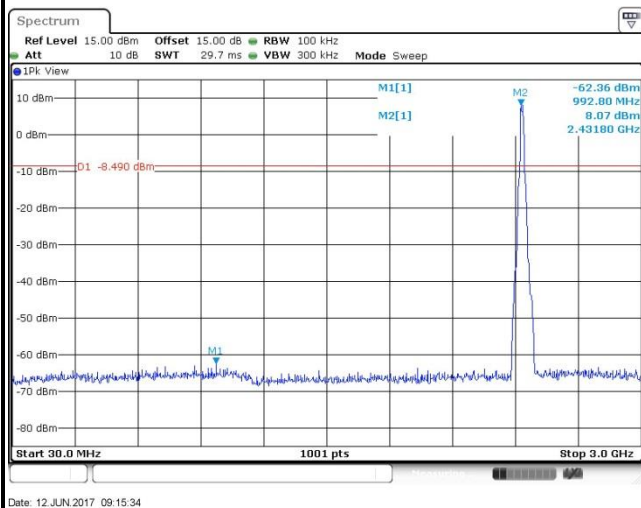
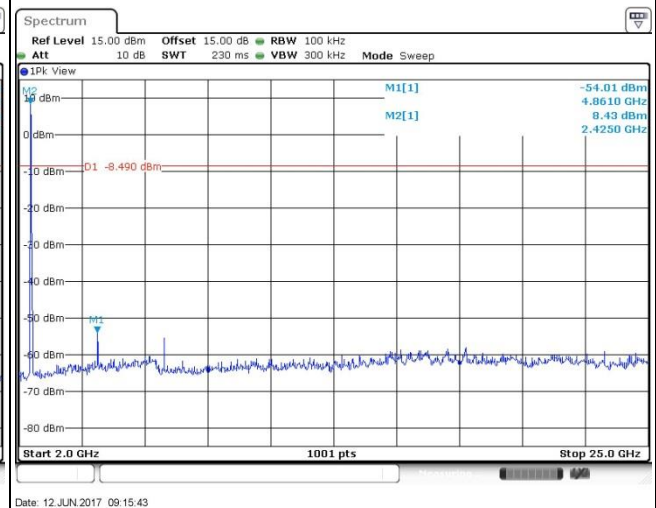


Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Sam Zheng

WLAN 802.11g Channel 01**100kHz PSD reference Level****Low Channel Plot****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**

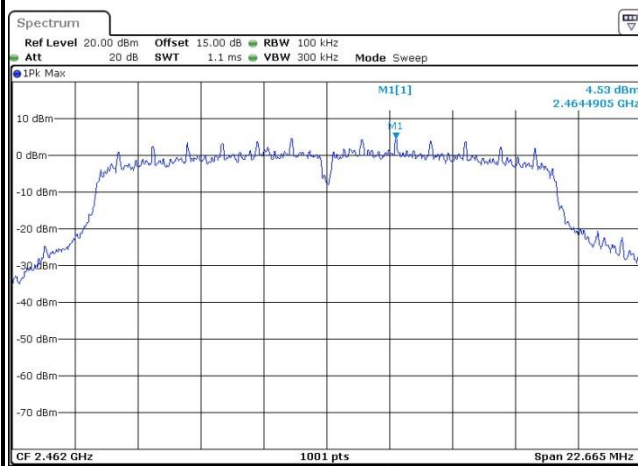
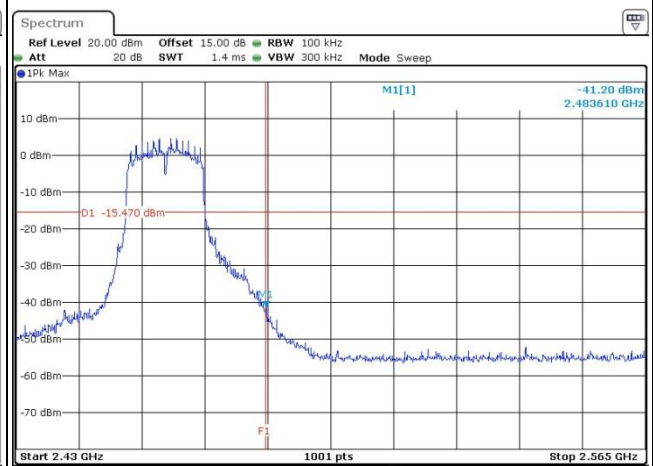
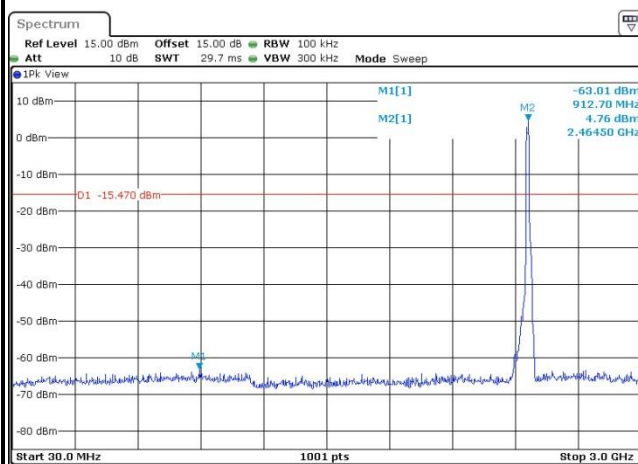
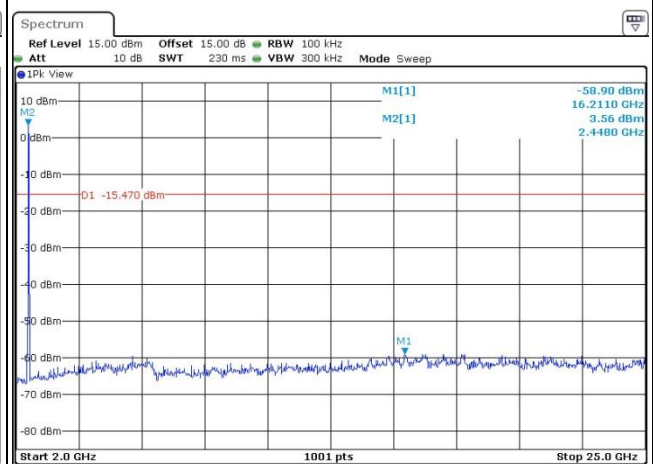


Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Sam Zheng

WLAN 802.11g Channel 06**100kHz PSD reference Level****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Sam Zheng

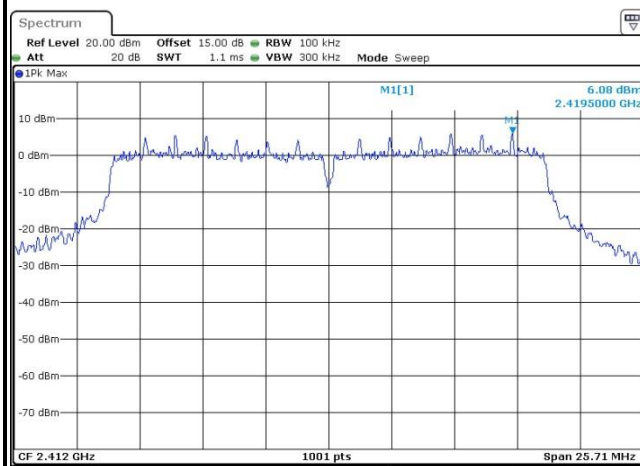
WLAN 802.11g Channel 11**100kHz PSD reference Level****High Channel Plot****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



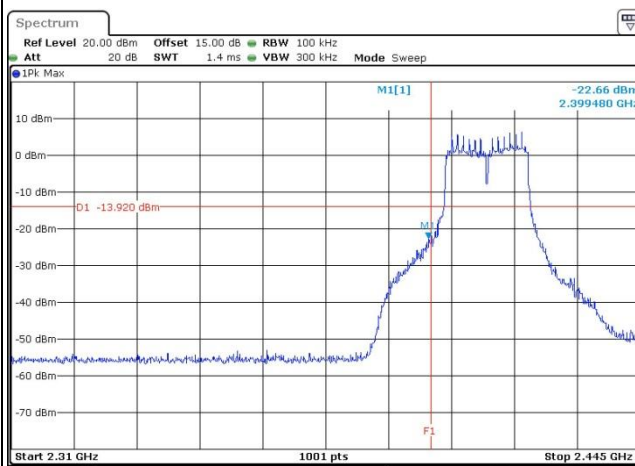
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Sam Zheng

WLAN 802.11n HT20 Channel 01

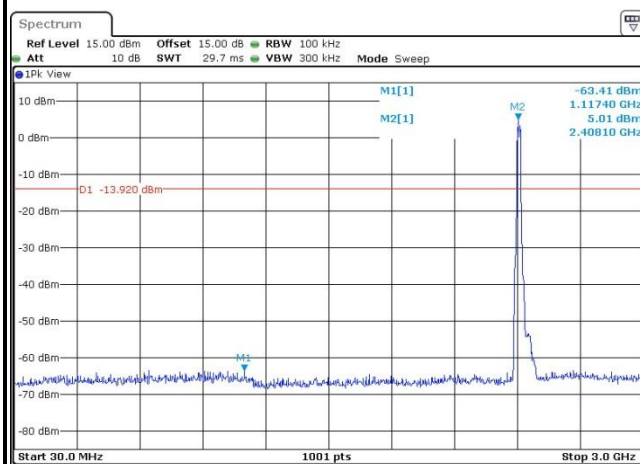
100kHz PSD reference Level



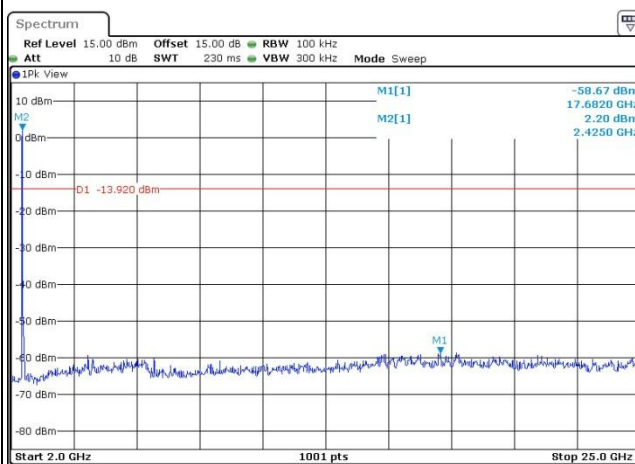
Low Channel Plot



Spurious Emission 30MHz~3GHz

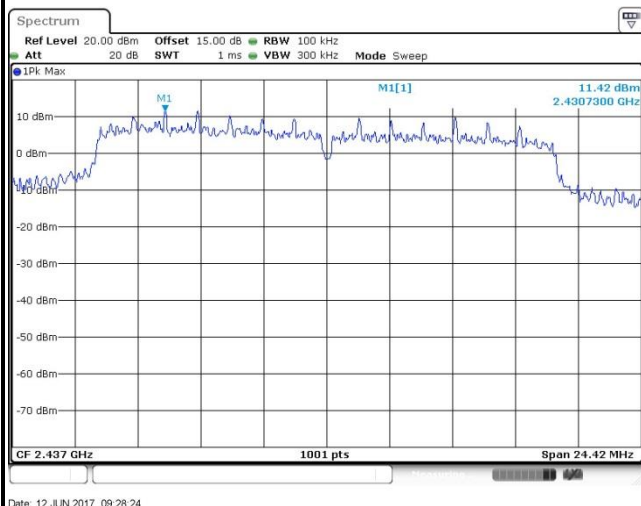
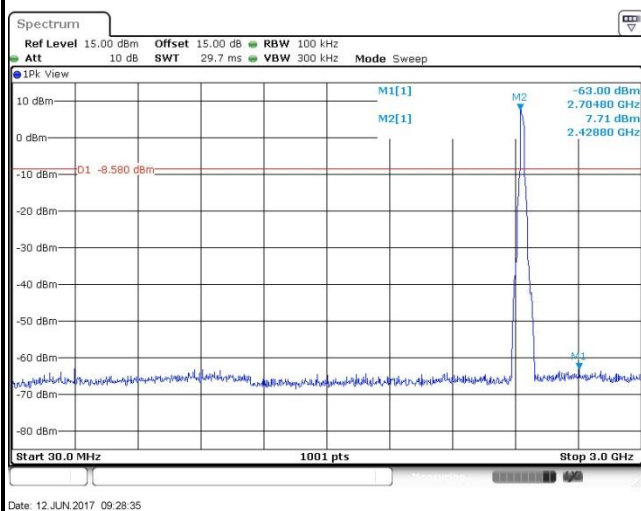
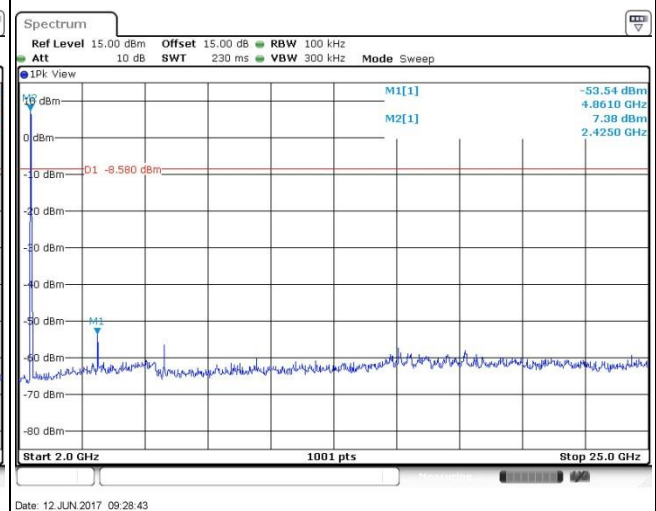


Spurious Emission 2GHz~25GHz



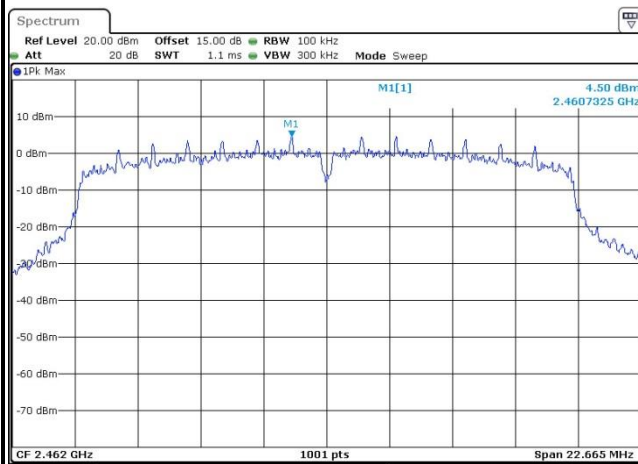
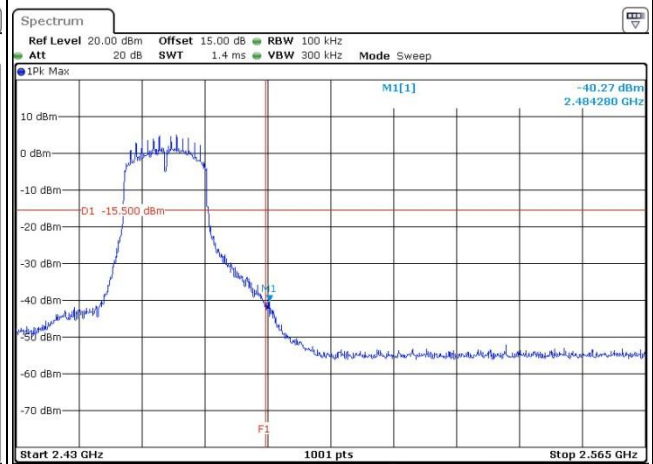
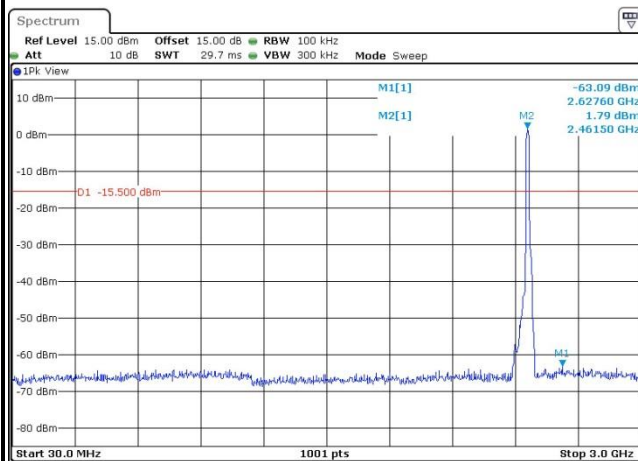
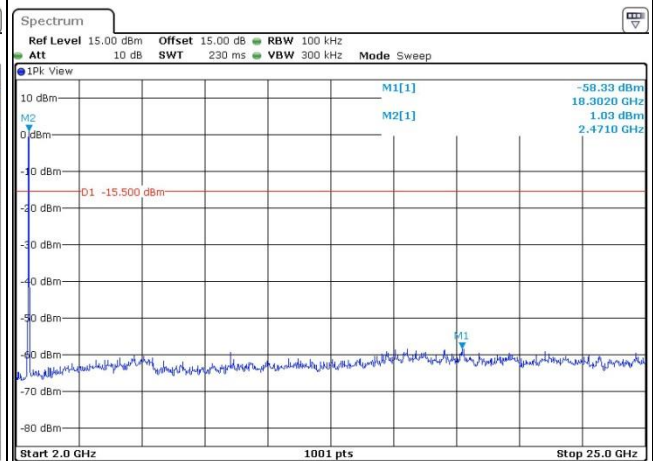


Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Sam Zheng

WLAN 802.11n HT20 Channel 06**100kHz PSD reference Level****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Sam Zheng

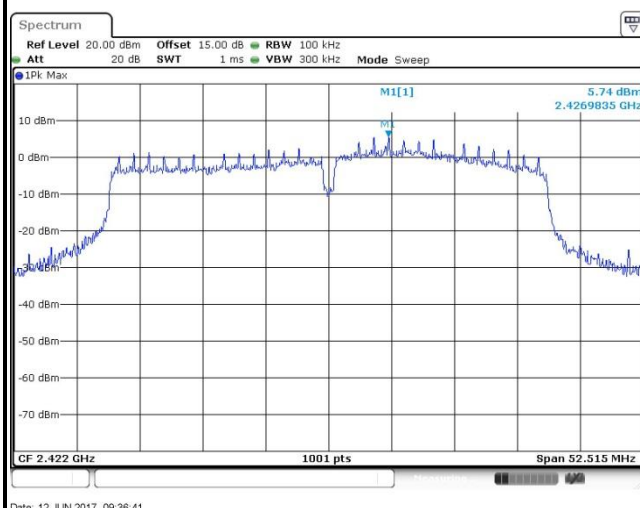
WLAN 802.11n HT20 Channel 11**100kHz PSD reference Level****High Channel Plot****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



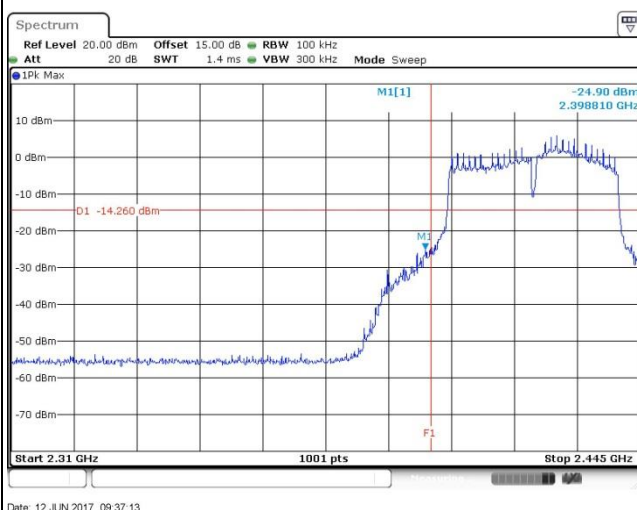
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Sam Zheng

WLAN 802.11n HT40 Channel 03

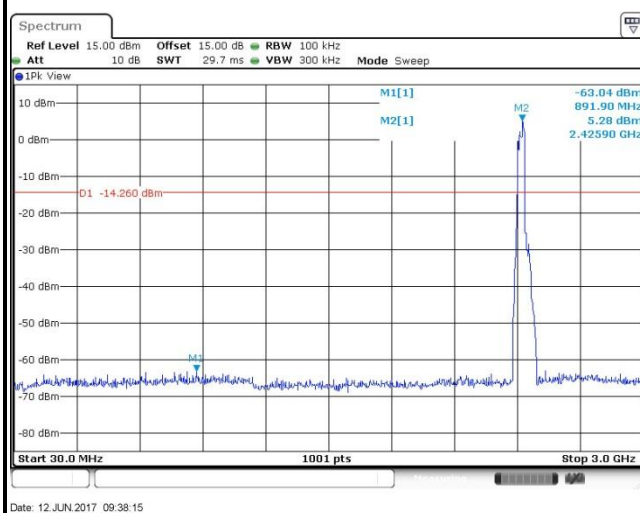
100kHz PSD reference Level



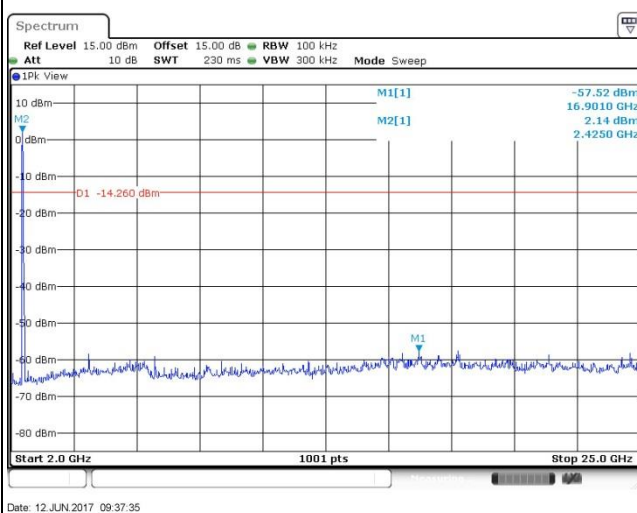
Low Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

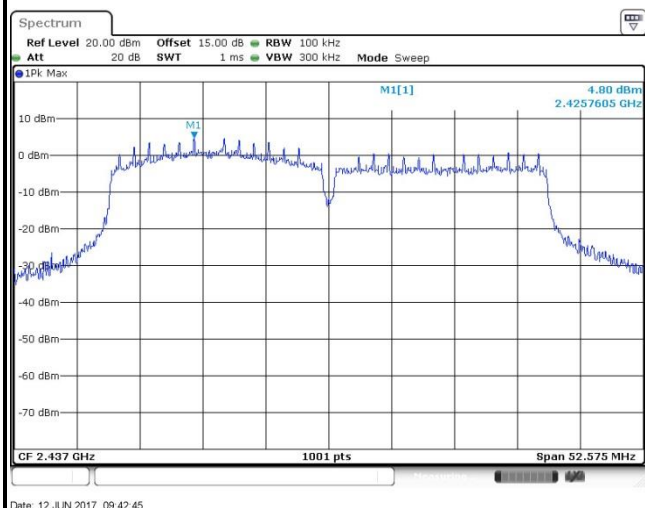




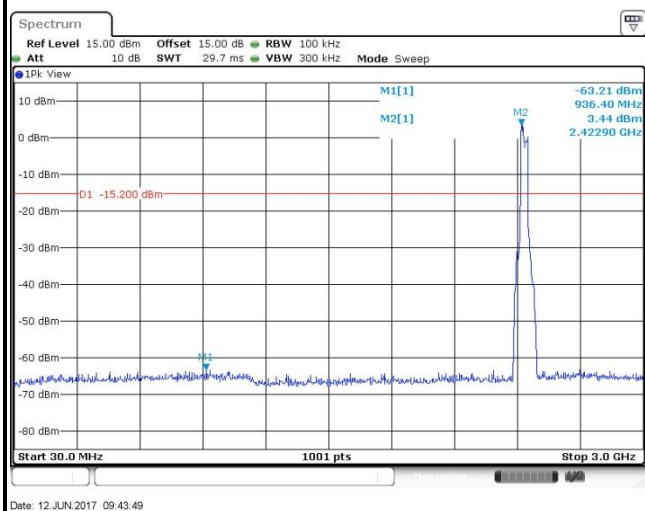
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Sam Zheng

WLAN 802.11n HT40 Channel 06

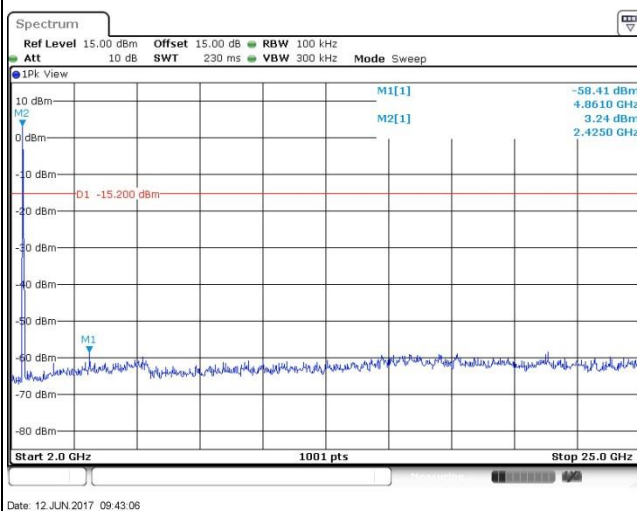
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz

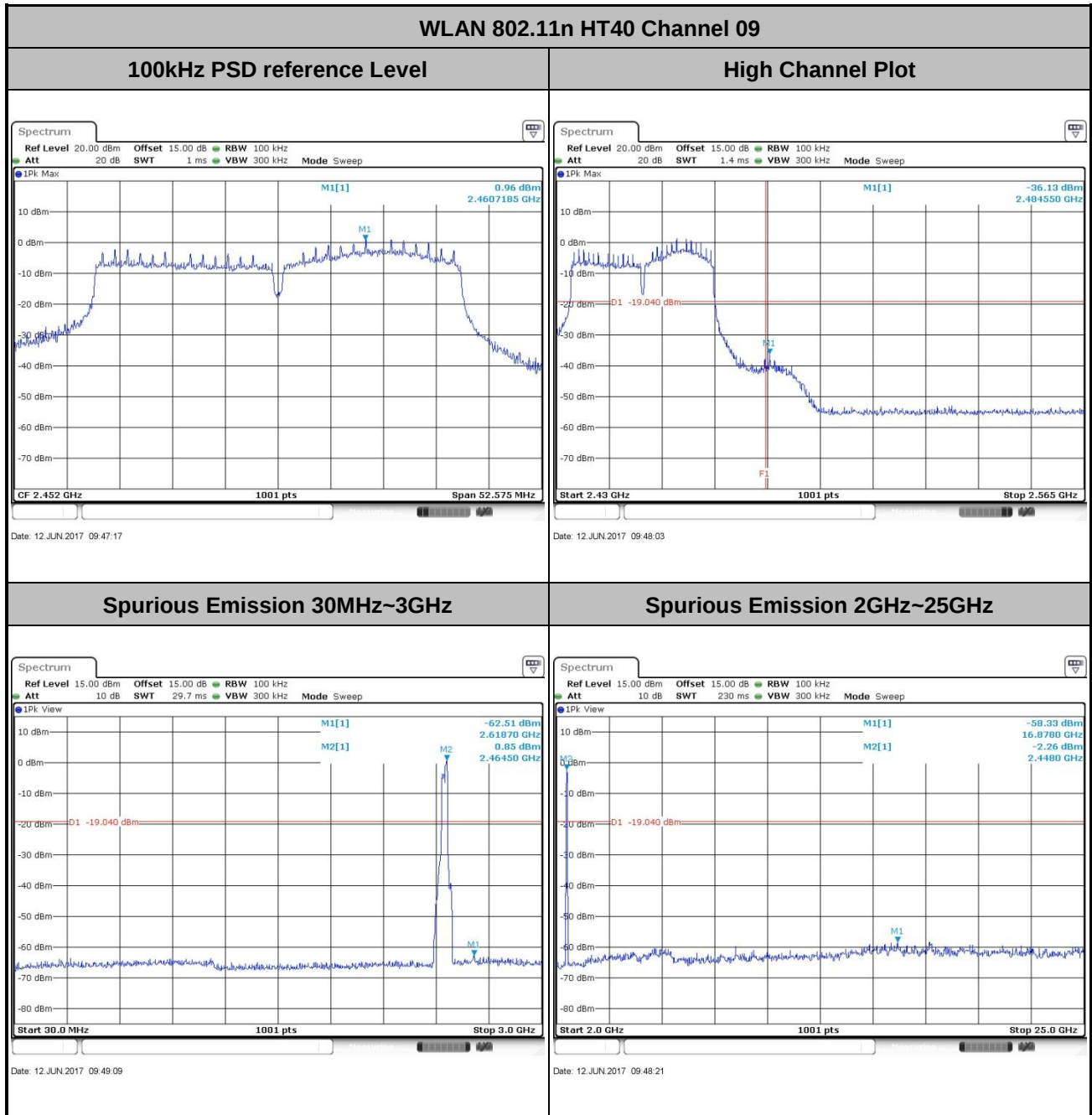


Spurious Emission 2GHz~25GHz





Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Sam Zheng



3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.



3.5.3 Test Procedures

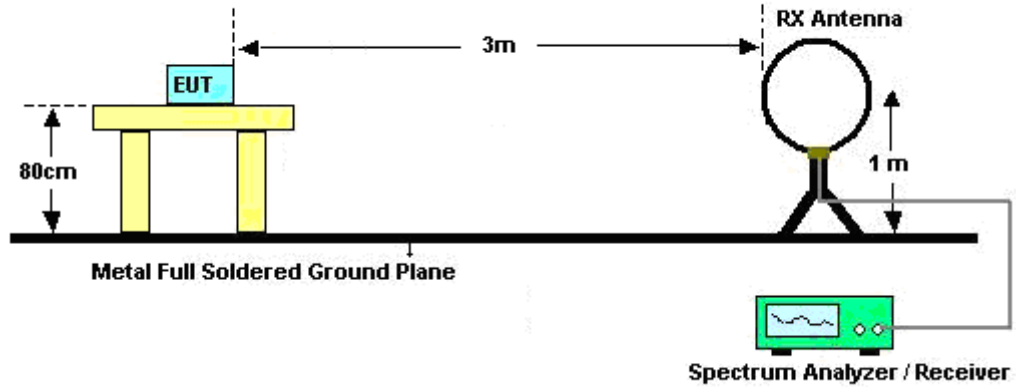
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively 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 $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
 - (3) Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

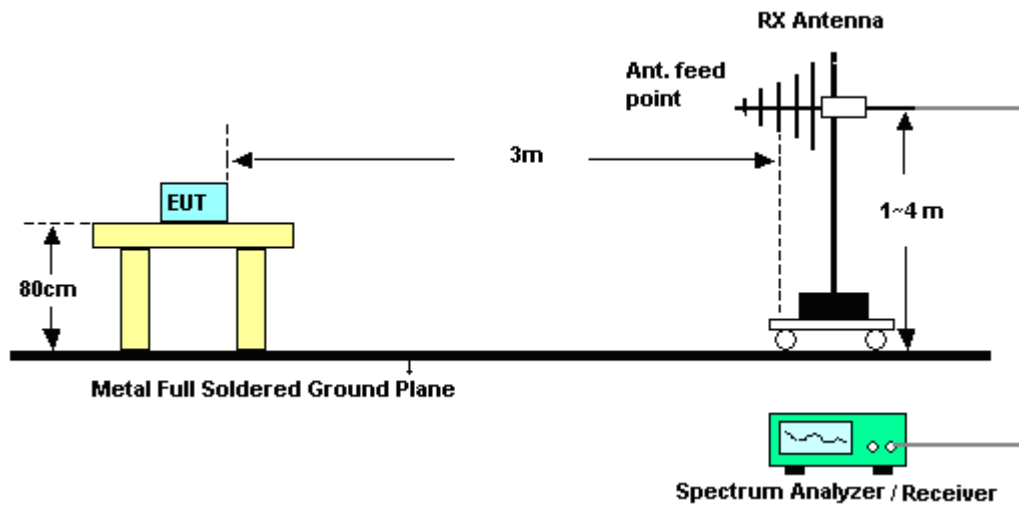
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

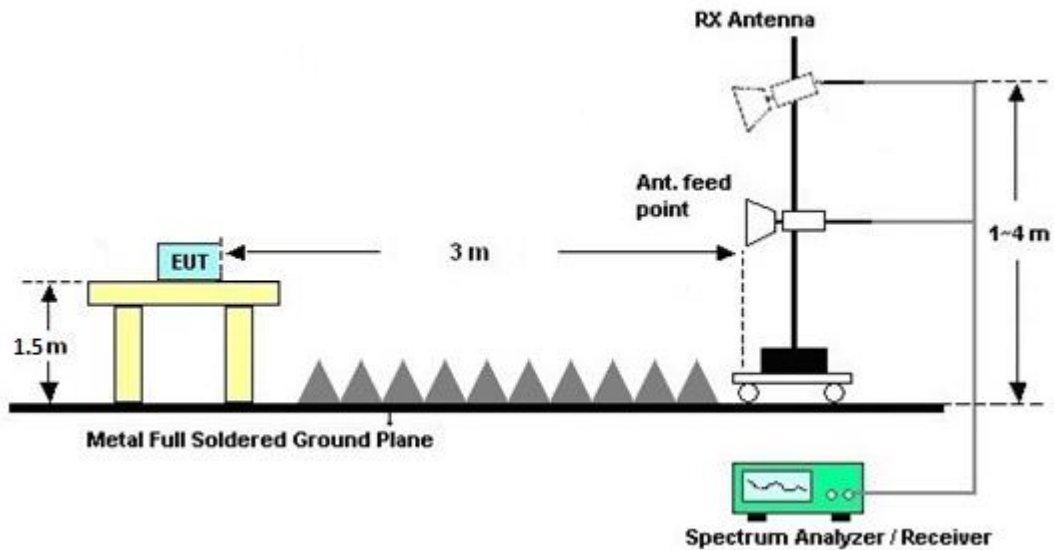
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (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 was not reported.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B and C.



3.6 Antenna Requirements

3.6.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101041	N/A	Oct. 11, 2016	Jun. 12, 2017	Oct. 10, 2017	Conducted (TH01-SZ)
DC Power Supply	GWINSTEK	AnritsuGPS-3030D	EM882636	Max 30V	May 12, 2017	Jun. 12, 2017	May 11, 2018	Conducted (TH01-SZ)
CBT BLUETOOTH TESTER	R&S	CBT	100963	N/A	Jan. 03, 2017	Jun. 12, 2017	Jan. 02, 2018	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 20, 2017	Jun. 07, 2017 ~ Jun. 11, 2017	Apr. 19, 2018	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 20, 2017	Jun. 07, 2017 ~ Jun. 11, 2017	Apr. 19, 2018	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 14, 2017	Jun. 07, 2017 ~ Jun. 11, 2017	May 13, 2018	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	May 14, 2017	Jun. 07, 2017 ~ Jun. 11, 2017	May 13, 2018	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Nov. 19, 2016	Jun. 07, 2017 ~ Jun. 11, 2017	Nov. 18, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 16, 2016	Jun. 07, 2017 ~ Jun. 11, 2017	Jul. 15, 2017	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Aug. 10, 2016	Jun. 07, 2017 ~ Jun. 11, 2017	Aug. 09, 2017	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz~3000MHz	Oct. 11, 2016	Jun. 07, 2017 ~ Jun. 11, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 11, 2016	Jun. 07, 2017 ~ Jun. 11, 2017	Oct. 10, 2017	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Jan. 06, 2017	Jun. 07, 2017 ~ Jun. 11, 2017	Jan. 05, 2018	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Jun. 07, 2017 ~ Jun. 11, 2017	NCR	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jun. 07, 2017 ~ Jun. 11, 2017	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jun. 07, 2017 ~ Jun. 11, 2017	NCR	Radiation (03CH03-SZ)



5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
--	-----

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0
--	-----



Appendix A. Conducted Test Results

A1 - DTS Part

Test Engineer:	Sam Zheng	Temperature:	21~25	°C
Test Date:	2017/6/12	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
11b	1Mbps	1	1	2412	15.78	9.03	0.50	Pass
11b	1Mbps	1	6	2437	17.88	10.01	0.50	Pass
11b	1Mbps	1	11	2462	13.14	7.01	0.50	Pass
11g	6Mbps	1	1	2412	17.78	16.28	0.50	Pass
11g	6Mbps	1	6	2437	28.87	15.66	0.50	Pass
11g	6Mbps	1	11	2462	16.68	15.11	0.50	Pass
HT20	MCS0	1	1	2412	18.58	17.14	0.50	Pass
HT20	MCS0	1	6	2437	29.27	16.28	0.50	Pass
HT20	MCS0	1	11	2462	17.73	15.11	0.50	Pass
HT40	MCS0	1	3	2422	36.16	35.01	0.50	Pass
HT40	MCS0	1	6	2437	36.56	35.05	0.50	Pass
HT40	MCS0	1	9	2452	36.66	35.05	0.50	Pass

TEST RESULTS DATA
Peak Power Table

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
11b	1Mbps	1	1	2412	22.73	30.00	3.59	26.32	36.00	Pass
11b	1Mbps	1	6	2437	23.24	30.00	3.59	26.83	36.00	Pass
11b	1Mbps	1	11	2462	20.53	30.00	3.59	24.12	36.00	Pass
11g	6Mbps	1	1	2412	22.13	30.00	3.59	25.72	36.00	Pass
11g	6Mbps	1	6	2437	23.70	30.00	3.59	27.29	36.00	Pass
11g	6Mbps	1	11	2462	20.36	30.00	3.59	23.95	36.00	Pass
HT20	MCS0	1	1	2412	21.45	30.00	3.59	25.04	36.00	Pass
HT20	MCS0	1	6	2437	23.72	30.00	3.59	27.31	36.00	Pass
HT20	MCS0	1	11	2462	20.57	30.00	3.59	24.16	36.00	Pass
HT40	MCS0	1	3	2422	23.39	30.00	3.59	26.98	36.00	Pass
HT40	MCS0	1	6	2437	23.05	30.00	3.59	26.64	36.00	Pass
HT40	MCS0	1	9	2452	18.75	30.00	3.59	22.34	36.00	Pass

TEST RESULTS DATA
Average Power Table
(Reporting Only)

2.4GHz Band						
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)
11b	1Mbps	1	1	2412	0.03	20.85
11b	1Mbps	1	6	2437	0.03	21.83
11b	1Mbps	1	11	2462	0.03	17.94
11g	6Mbps	1	1	2412	0.21	16.79
11g	6Mbps	1	6	2437	0.21	20.38
11g	6Mbps	1	11	2462	0.21	14.46
HT20	MCS0	1	1	2412	0.23	15.85
HT20	MCS0	1	6	2437	0.23	20.35
HT20	MCS0	1	11	2462	0.23	14.23
HT40	MCS0	1	3	2422	0.40	16.83
HT40	MCS0	1	6	2437	0.40	16.13
HT40	MCS0	1	9	2452	0.40	11.60

TEST RESULTS DATA
Peak Power Density

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
11b	1Mbps	1	1	2412	-5.14	3.59	8.00	Pass
11b	1Mbps	1	6	2437	-4.28	3.59	8.00	Pass
11b	1Mbps	1	11	2462	-7.57	3.59	8.00	Pass
11g	6Mbps	1	1	2412	-9.03	3.59	8.00	Pass
11g	6Mbps	1	6	2437	-5.07	3.59	8.00	Pass
11g	6Mbps	1	11	2462	-12.34	3.59	8.00	Pass
HT20	MCS0	1	1	2412	-10.41	3.59	8.00	Pass
HT20	MCS0	1	6	2437	-5.09	3.59	8.00	Pass
HT20	MCS0	1	11	2462	-11.90	3.59	8.00	Pass
HT40	MCS0	1	3	2422	-10.22	3.59	8.00	Pass
HT40	MCS0	1	6	2437	-10.64	3.59	8.00	Pass
HT40	MCS0	1	9	2452	-14.77	3.59	8.00	Pass



Appendix B. Radiated Spurious Emission

Test Engineer :	Fuquan Wu	Temperature :	22~25°C
		Relative Humidity :	48~52%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2387.91	48.94	-25.06	74	49.2	27.43	5.64	33.33	154	141	P	H
		2388.12	44.41	-9.59	54	44.67	27.43	5.64	33.33	154	141	A	H
	*	2412	99.04	-	-	99.23	27.49	5.64	33.32	154	141	P	H
	*	2412	96.04	-	-	96.23	27.49	5.64	33.32	154	141	A	H
													H
													H
		2387.91	51.81	-22.19	74	52.07	27.43	5.64	33.33	145	296	P	V
		2388.12	47.76	-6.24	54	48.02	27.43	5.64	33.33	145	296	A	V
	*	2412	103.16	-	-	103.35	27.49	5.64	33.32	145	296	P	V
	*	2412	100.18	-	-	100.37	27.49	5.64	33.32	145	296	A	V
													V
													V
802.11b CH 06 2437MHz		2388.26	41.95	-32.05	74	42.21	27.43	5.64	33.33	208	140	P	H
		2389.66	31.69	-22.31	54	31.95	27.43	5.64	33.33	208	140	A	H
	*	2437	98.73	-	-	98.75	27.61	5.68	33.31	208	140	P	H
	*	2437	95.68	-	-	95.7	27.61	5.68	33.31	208	140	A	H
		2487.96	44.77	-29.23	74	44.56	27.8	5.72	33.31	208	140	P	H
		2484.74	35.05	-18.95	54	34.9	27.74	5.72	33.31	208	140	A	H
		2388.82	42.39	-31.61	74	42.65	27.43	5.64	33.33	294	46	P	V
		2389.8	32.26	-21.74	54	32.51	27.43	5.64	33.32	294	46	A	V
	*	2437	101.72	-	-	101.74	27.61	5.68	33.31	294	46	P	V
	*	2437	98.63	-	-	98.65	27.61	5.68	33.31	294	46	A	V
		2485.16	44.07	-29.93	74	43.92	27.74	5.72	33.31	294	46	P	V
		2484.46	33.48	-20.52	54	33.33	27.74	5.72	33.31	294	46	A	V



802.11b CH 11 2462MHz	*	2462	99.9	-	-	99.85	27.68	5.68	33.31	174	313	P	H
	*	2462	96.85	-	-	96.8	27.68	5.68	33.31	174	313	A	H
		2485.72	50.7	-23.3	74	50.55	27.74	5.72	33.31	174	313	P	H
		2483.52	46.23	-7.77	54	46.08	27.74	5.72	33.31	174	313	A	H
													H
													H
	*	2462	103.73	-	-	103.68	27.68	5.68	33.31	150	262	P	V
	*	2462	100.71	-	-	100.66	27.68	5.68	33.31	150	262	A	V
		2483.56	54.52	-19.48	74	54.37	27.74	5.72	33.31	150	262	P	V
		2483.52	50.04	-3.96	54	49.89	27.74	5.72	33.31	150	262	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11b CH 01 2412MHz		4824	47	-27	74	64.29	31.49	7.82	56.6	150	360	P	H
													H
													H
													H
		4824	49.15	-24.85	74	66.44	31.49	7.82	56.6	150	360	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	43	-31	74	60.48	31.61	7.82	56.91	150	360	P	H
		7311	41.44	-32.56	74	54.1	36.17	9.17	58	150	360	P	H
													H
													H
		4874	44.96	-29.04	74	62.44	31.61	7.82	56.91	150	360	P	V
		7311	41.41	-32.59	74	54.07	36.17	9.17	58	150	360	P	V
													V
													V
802.11b CH 11 2462MHz		4924	43.83	-30.17	74	60.36	31.73	7.82	56.08	150	360	P	H
		7386	42.05	-31.95	74	54.57	36.28	9.21	58.01	150	360	P	H
													H
													H
		4924	46.1	-27.9	74	62.63	31.73	7.82	56.08	150	360	P	V
		7386	41.72	-32.28	74	54.24	36.28	9.21	58.01	150	360	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		2390	63.02	-10.98	74	63.27	27.43	5.64	33.32	106	140	P	H
		2390	50.73	-3.27	54	50.98	27.43	5.64	33.32	106	140	A	H
	*	2412	99.13	-	-	99.32	27.49	5.64	33.32	106	140	P	H
	*	2412	91.78	-	-	91.97	27.49	5.64	33.32	106	140	A	H
													H
													H
		2390	65.23	-8.77	74	65.48	27.43	5.64	33.32	146	295	P	V
		2390	53.23	-0.77	54	53.48	27.43	5.64	33.32	146	295	A	V
	*	2412	102.41	-	-	102.6	27.49	5.64	33.32	146	295	P	V
	*	2412	95.1	-	-	95.29	27.49	5.64	33.32	146	295	A	V
													V
													V
802.11g CH 06 2437MHz		2389.52	52.11	-21.89	74	52.37	27.43	5.64	33.33	110	142	P	H
		2389.94	39.51	-14.49	54	39.76	27.43	5.64	33.32	110	142	A	H
	*	2437	102.1	-	-	102.12	27.61	5.68	33.31	110	142	P	H
	*	2437	95.17	-	-	95.19	27.61	5.68	33.31	110	142	A	H
		2483.62	50.82	-23.18	74	50.67	27.74	5.72	33.31	110	142	P	H
		2483.55	40.37	-13.63	54	40.22	27.74	5.72	33.31	110	142	A	H
		2389.94	54.49	-19.51	74	54.74	27.43	5.64	33.32	100	280	P	V
		2389.8	41.47	-12.53	54	41.72	27.43	5.64	33.32	100	280	A	V
	*	2437	107.34	-	-	107.36	27.61	5.68	33.31	100	280	P	V
	*	2437	99.67	-	-	99.69	27.61	5.68	33.31	100	280	A	V
		2483.62	57.9	-16.1	74	57.75	27.74	5.72	33.31	100	280	P	V
		2483.5	47.46	-6.54	54	47.31	27.74	5.72	33.31	100	280	A	V



802.11g CH 11 2462MHz	*	2462	99.53	-	-	99.48	27.68	5.68	33.31	176	313	P	H
	*	2462	91.47	-	-	91.42	27.68	5.68	33.31	176	313	A	H
		2483.6	58.71	-15.29	74	58.56	27.74	5.72	33.31	176	313	P	H
		2483.52	48.72	-5.28	54	48.57	27.74	5.72	33.31	176	313	A	H
													H
													H
	*	2462	103.15	-	-	103.1	27.68	5.68	33.31	165	276	P	V
	*	2462	95.73	-	-	95.68	27.68	5.68	33.31	165	276	A	V
		2483.72	62.85	-11.15	74	62.7	27.74	5.72	33.31	165	276	P	V
		2483.52	53.19	-0.81	54	53.04	27.74	5.72	33.31	165	276	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 01 2412MHz		4824	42.85	-31.15	74	60.14	31.49	7.82	56.6	150	360	P	H
													H
													H
													H
		4824	43.98	-30.02	74	61.27	31.49	7.82	56.6	150	360	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	43.63	-30.37	74	61.11	31.61	7.82	56.91	150	360	P	H
		7311	42.71	-31.29	74	55.37	36.17	9.17	58	150	360	P	H
													H
													H
		4874	41.61	-32.39	74	59.09	31.61	7.82	56.91	150	360	P	V
		7311	42.19	-31.81	74	54.85	36.17	9.17	58	150	360	P	V
													V
													V
802.11g CH 11 2462MHz		4924	43.47	-30.53	74	60	31.73	7.82	56.08	150	360	P	H
		7386	42.68	-31.32	74	55.2	36.28	9.21	58.01	150	360	P	H
													H
													H
		4924	43.73	-30.27	74	60.26	31.73	7.82	56.08	150	360	P	V
		7386	41.6	-32.4	74	54.12	36.28	9.21	58.01	150	360	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		2390	62.66	-11.34	74	62.91	27.43	5.64	33.32	106	141	P	H
		2390	50.85	-3.15	54	51.1	27.43	5.64	33.32	106	141	A	H
	*	2412	98.57	-	-	98.76	27.49	5.64	33.32	106	141	P	H
	*	2412	90.97	-	-	91.16	27.49	5.64	33.32	106	141	A	H
													H
													H
		2390	65.35	-8.65	74	65.6	27.43	5.64	33.32	104	279	P	V
		2390	53.43	-0.57	54	53.68	27.43	5.64	33.32	104	279	A	V
	*	2412	101.95	-	-	102.14	27.49	5.64	33.32	104	279	P	V
	*	2412	94.25	-	-	94.44	27.49	5.64	33.32	104	279	A	V
													V
													V
802.11n HT20 CH 06 2437MHz		2389.66	48.68	-25.32	74	48.94	27.43	5.64	33.33	359	238	P	H
		2389.94	36.8	-17.2	54	37.05	27.43	5.64	33.32	359	238	A	H
	*	2437	101.74	-	-	101.76	27.61	5.68	33.31	359	238	P	H
	*	2437	94.97	-	-	94.99	27.61	5.68	33.31	359	238	A	H
		2484.6	56	-18	74	55.85	27.74	5.72	33.31	359	238	P	H
		2483.5	42.07	-11.93	54	41.92	27.74	5.72	33.31	359	238	A	H
		2389.8	55.2	-18.8	74	55.45	27.43	5.64	33.32	105	280	P	V
		2389.94	43.47	-10.53	54	43.72	27.43	5.64	33.32	105	280	A	V
	*	2437	107.33	-	-	107.35	27.61	5.68	33.31	105	280	P	V
	*	2437	100.43	-	-	100.45	27.61	5.68	33.31	105	280	A	V
		2484.81	64.16	-9.84	74	64.01	27.74	5.72	33.31	105	280	P	V
		2483.5	49.03	-4.97	54	48.88	27.74	5.72	33.31	105	280	A	V



802.11n HT20 CH 11 2462MHz	*	2462	97.84	-	-	97.79	27.68	5.68	33.31	175	311	P	H
	*	2462	90.24	-	-	90.19	27.68	5.68	33.31	175	311	A	H
		2483.76	59.69	-14.31	74	59.54	27.74	5.72	33.31	175	311	P	H
		2483.52	48.54	-5.46	54	48.39	27.74	5.72	33.31	175	311	A	H
													H
													H
	*	2462	102.61	-	-	102.56	27.68	5.68	33.31	150	277	P	V
	*	2462	94.79	-	-	94.74	27.68	5.68	33.31	150	277	A	V
		2483.68	64.24	-9.76	74	64.09	27.74	5.72	33.31	150	277	P	V
		2483.52	53.22	-0.78	54	53.07	27.74	5.72	33.31	150	277	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 01 2412MHz		4824	43.52	-30.48	74	60.81	31.49	7.82	56.6	150	360	P	H
													H
													H
													H
		4824	43.67	-30.33	74	60.96	31.49	7.82	56.6	150	360	P	V
													V
													V
													V
802.11n HT20 CH 06 2437MHz		4874	40.77	-33.23	74	58.25	31.61	7.82	56.91	150	360	P	H
		7311	41.35	-32.65	74	54.01	36.17	9.17	58	150	360	P	H
													H
													H
		4874	41.15	-32.85	74	58.63	31.61	7.82	56.91	150	360	P	V
		7311	41.45	-32.55	74	54.11	36.17	9.17	58	150	360	P	V
													V
													V
802.11n HT20 CH 11 2462MHz		4924	42.47	-31.53	74	59	31.73	7.82	56.08	150	360	P	H
		7386	42.09	-31.91	74	54.61	36.28	9.21	58.01	150	360	P	H
													H
													H
		4924	43.17	-30.83	74	59.7	31.73	7.82	56.08	150	360	P	V
		7386	41.85	-32.15	74	54.37	36.28	9.21	58.01	150	360	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		2389.94	58.38	-15.62	74	58.63	27.43	5.64	33.32	204	340	P	H
		2389.94	50.52	-3.48	54	50.77	27.43	5.64	33.32	204	340	A	H
	*	2422	98.73	-	-	98.85	27.55	5.64	33.31	204	340	P	H
	*	2422	91.26	-	-	91.38	27.55	5.64	33.31	204	340	A	H
		2483.97	53.83	-20.17	74	53.68	27.74	5.72	33.31	204	340	P	H
		2483.62	41.26	-12.74	54	41.11	27.74	5.72	33.31	204	340	A	H
		2389.94	60.58	-13.42	74	60.83	27.43	5.64	33.32	150	276	P	V
		2389.94	53.31	-0.69	54	53.56	27.43	5.64	33.32	150	276	A	V
	*	2422	102.73	-	-	102.85	27.55	5.64	33.31	150	276	P	V
	*	2422	94.94	-	-	95.06	27.55	5.64	33.31	150	276	A	V
		2484.32	60.39	-13.61	74	60.24	27.74	5.72	33.31	150	276	P	V
		2483.55	47.86	-6.14	54	47.71	27.74	5.72	33.31	150	276	A	V
802.11n HT40 CH 06 2437MHz		2389.8	47.81	-26.19	74	48.06	27.43	5.64	33.32	113	142	P	H
		2389.94	39.15	-14.85	54	39.4	27.43	5.64	33.32	113	142	A	H
	*	2437	98.44	-	-	98.46	27.61	5.68	33.31	113	142	P	H
	*	2437	90.43	-	-	90.45	27.61	5.68	33.31	113	142	A	H
		2483.5	56.96	-17.04	74	56.81	27.74	5.72	33.31	113	142	P	H
		2483.55	46.17	-7.83	54	46.02	27.74	5.72	33.31	113	142	A	H
		2389.94	50.81	-23.19	74	51.06	27.43	5.64	33.32	100	280	P	V
		2389.94	40.78	-13.22	54	41.03	27.43	5.64	33.32	100	280	A	V
	*	2437	102.53	-	-	102.55	27.61	5.68	33.31	100	280	P	V
	*	2437	94.73	-	-	94.75	27.61	5.68	33.31	100	280	A	V
		2483.97	64.14	-9.86	74	63.99	27.74	5.72	33.31	100	280	P	V
		2483.55	53.25	-0.75	54	53.1	27.74	5.72	33.31	100	280	A	V



802.11n HT40 CH 09 2452MHz		2387.28	42.13	-31.87	74	42.39	27.43	5.64	33.33	174	314	P	H
		2366.14	32.02	-21.98	54	32.46	27.3	5.59	33.33	174	314	A	H
	*	2452	94.71	-	-	94.73	27.61	5.68	33.31	174	314	P	H
	*	2452	86.94	-	-	86.96	27.61	5.68	33.31	174	314	A	H
		2484.39	58.95	-15.05	74	58.8	27.74	5.72	33.31	174	314	P	H
		2485.65	47.74	-6.26	54	47.59	27.74	5.72	33.31	174	314	A	H
		2382.94	42.26	-31.74	74	42.63	27.37	5.59	33.33	168	275	P	V
		2389.66	32.89	-21.11	54	33.15	27.43	5.64	33.33	168	275	A	V
	*	2452	98.78	-	-	98.8	27.61	5.68	33.31	168	275	P	V
	*	2452	91.16	-	-	91.18	27.61	5.68	33.31	168	275	A	V
		2485.72	63.4	-10.6	74	63.25	27.74	5.72	33.31	168	275	P	V
		2484.6	51.91	-2.09	54	51.76	27.74	5.72	33.31	168	275	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 03 2422MHz		4844	41.11	-32.89	74	58.34	31.53	7.82	56.58	150	360	P	H
		7266	45.45	-28.55	74	58.45	36.13	9.14	58.27	150	360	P	H
													H
													H
		4844	41.85	-32.15	74	59.08	31.53	7.82	56.58	150	360	P	V
		7266	44.75	-29.25	74	57.75	36.13	9.14	58.27	150	360	P	V
													V
													V
802.11n HT40 CH 06 2437MHz		4874	40.71	-33.29	74	58.19	31.61	7.82	56.91	150	360	P	H
		7311	42.68	-31.32	74	55.34	36.17	9.17	58	150	360	P	H
													H
													H
		4874	40.39	-33.61	74	57.87	31.61	7.82	56.91	150	360	P	V
		7311	44.94	-29.06	74	57.6	36.17	9.17	58	150	360	P	V
													V
													V
802.11n HT40 CH 09 2452MHz		4904	40.21	-33.79	74	57.05	31.69	7.82	56.35	150	360	P	H
		7356	43.2	-30.8	74	55.74	36.23	9.19	57.96	150	360	P	H
													H
													H
		4904	42.27	-31.73	74	59.11	31.69	7.82	56.35	150	360	P	V
		7356	43.3	-30.7	74	55.84	36.23	9.19	57.96	150	360	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11n HT20 LF		30.97	24.98	-15.02	40	31.97	24.52	0.27	31.78	100	121	P	H
		107.6	24.03	-19.47	43.5	37.76	16.73	1.09	31.55	-	-	P	H
		215.27	21.39	-22.11	43.5	35.08	15.93	1.64	31.26	-	-	P	H
		488.81	26.14	-19.86	46	32.17	22.73	2.4	31.16	-	-	P	H
		556.71	27.01	-18.99	46	31.24	24.39	2.58	31.2	-	-	P	H
		750.71	28.18	-17.82	46	30.36	26.02	3.03	31.23	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	32.77	-7.23	40	38.8	25.1	0.65	31.78	100	0	P	V
		119.24	26.54	-16.96	43.5	40.02	17.08	0.96	31.52	-	-	P	V
		172.59	22.8	-20.7	43.5	36.28	16.69	1.17	31.34	-	-	P	V
		341.37	21.62	-24.38	46	31.39	20	1.52	31.29	-	-	P	V
		510.15	25.99	-20.01	46	32.01	23.34	1.8	31.16	-	-	P	V
		674.08	27.94	-18.06	46	31.68	25.44	2.05	31.23	-	-	P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

A calculation example for radiated spurious emission is shown as below:

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

Appendix C. Radiated Spurious Emission Plots

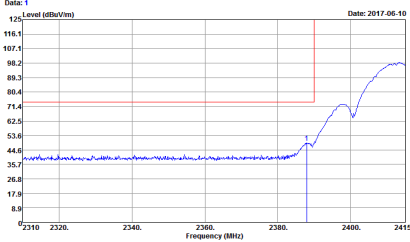
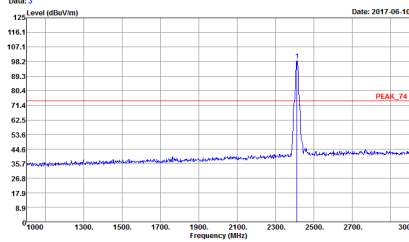
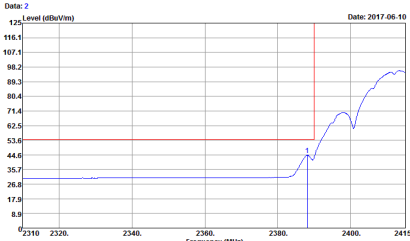
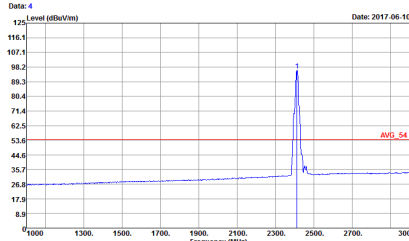
Test Engineer :	Fuquan Wu	Temperature :	22~25°C
		Relative Humidity :	48~52%

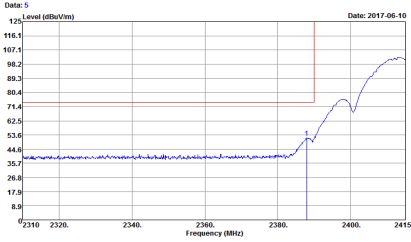
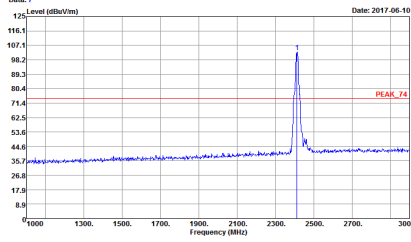
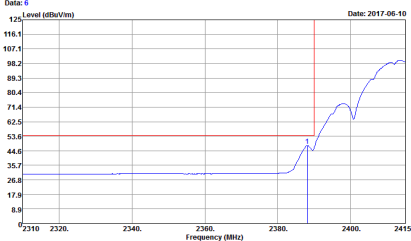
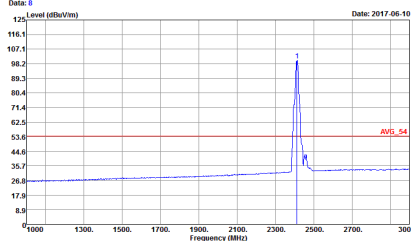
Note symbol

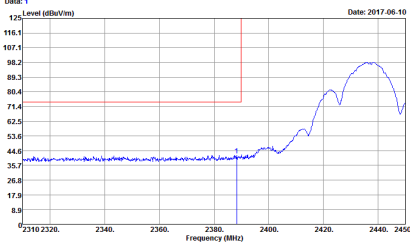
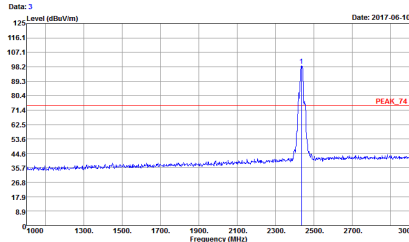
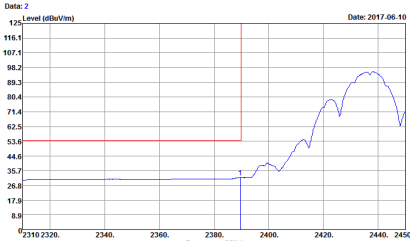
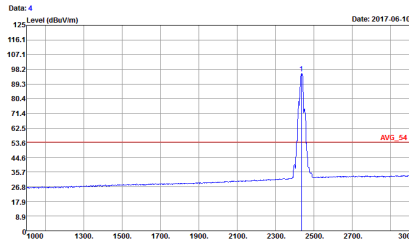
-L	Low channel location
-R	High channel location

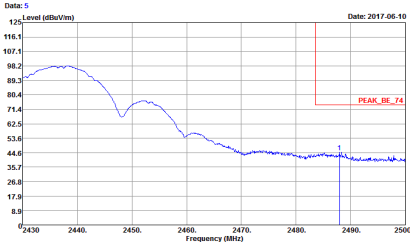
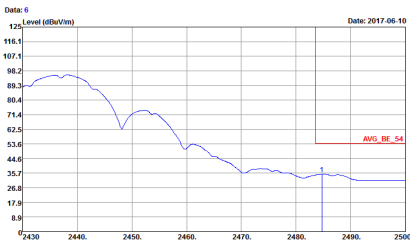
2.4GHz 2400~2483.5MHz

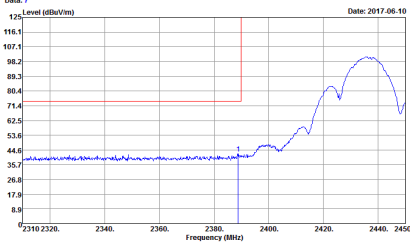
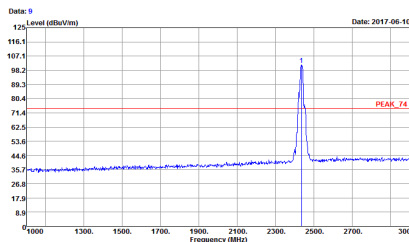
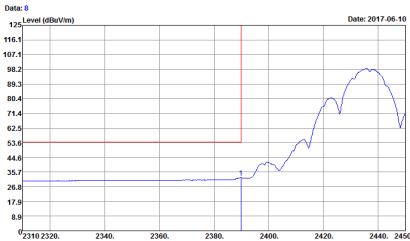
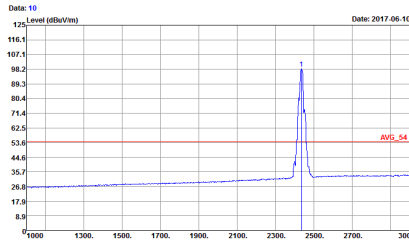
WIFI 802.11b (Band Edge @ 3m)

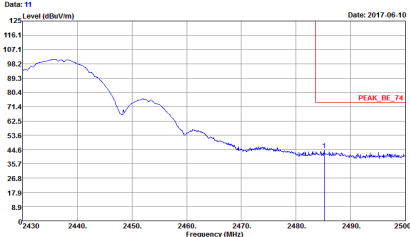
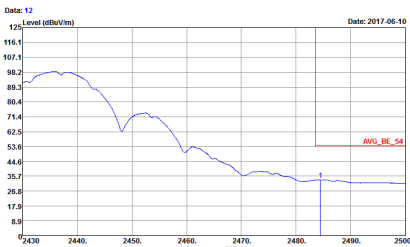
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	Data: 1  Site Condition : 03CH03-SZ : PEAK_BE_74.3m HF_ANT_91200-1474 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 24	Data: 3  Site Condition : 03CH03-SZ : PEAK_74.3m HF_ANT_91200-1474 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 24
Avg.	Data: 2  Site Condition : 03CH03-SZ : AVG_BE_54.3m HF_ANT_91200-1474 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 24	Data: 4  Site Condition : 03CH03-SZ : AVG_54.3m HF_ANT_91200-1474 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 24

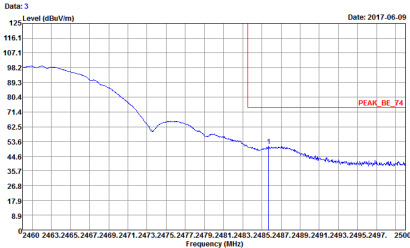
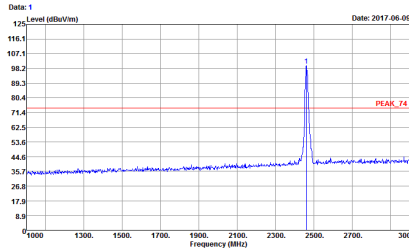
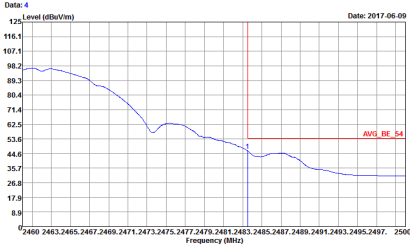
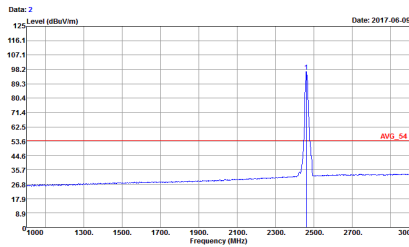
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Date: 5 Level (dBuV/m) Date: 2017-06-10 Site Condition : 03CH03-SZ Detector : PEAK BE 74 3m HF ANT 91200-1474 VERTICAL Project : RSW 1000.000kHz VSW 3000.000kHz Mode : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 24	 Date: 7 Level (dBuV/m) Date: 2017-06-10 Site Condition : 03CH03-SZ Detector : PEAK T4 3m HF ANT 91200-1474 VERTICAL Project : RSW 1000.000kHz VSW 3000.000kHz Mode : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 24
Avg.	 Date: 6 Level (dBuV/m) Date: 2017-06-10 Site Condition : 03CH03-SZ Detector : AVG BE 54 3m HF ANT 91200-1474 VERTICAL Project : RSW 1000.000kHz VSW 3.010kHz Mode : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 24	 Date: 8 Level (dBuV/m) Date: 2017-06-10 Site Condition : 03CH03-SZ Detector : AVG S4 3m HF ANT 91200-1474 VERTICAL Project : RSW 1000.000kHz VSW 0.010kHz Mode : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 24

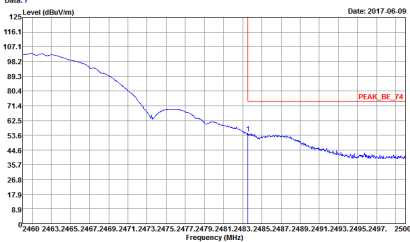
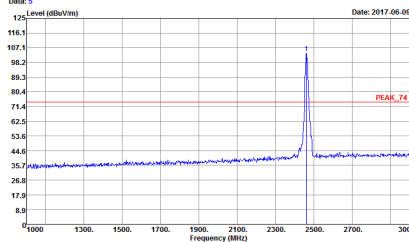
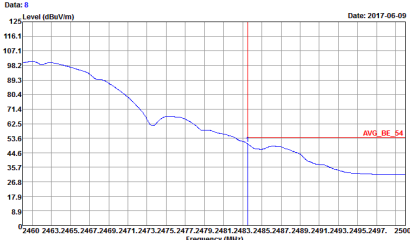
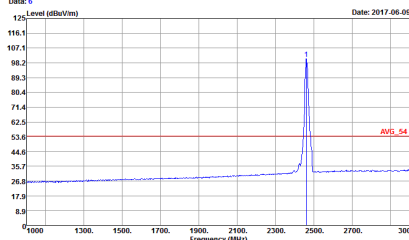
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Date: 1 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	 Date: 3 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24
Avg.	 Date: 2 Date: 2017.06.10 Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	 Date: 4 Date: 2017.06.10 Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 5 Level (dBuV/m) Date: 2017-06-10 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank
Avg.	 Date: 6 Level (dBuV/m) Date: 2017-06-10 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	Date: 7 Level (dBuV/m)  Site : 03CH03-SZ Condition : PEAK_BE_74_3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Date: 9 Level (dBuV/m)  Site : 03CH03-SZ Condition : PEAK_74_3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24
Avg.	Date: 8 Level (dBuV/m)  Site : 03CH03-SZ Condition : AVG_BE_54_3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Date: 10 Level (dBuV/m)  Site : 03CH03-SZ Condition : AVG_54_3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24

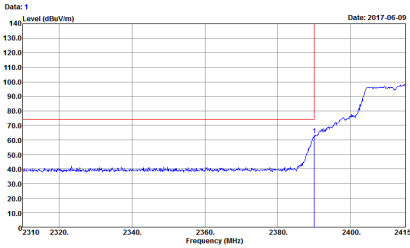
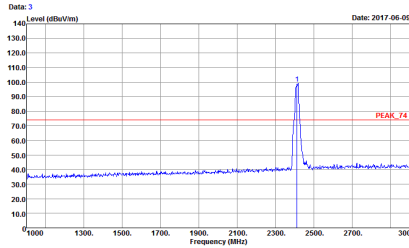
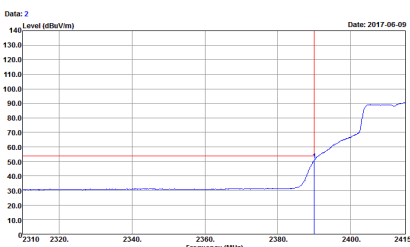
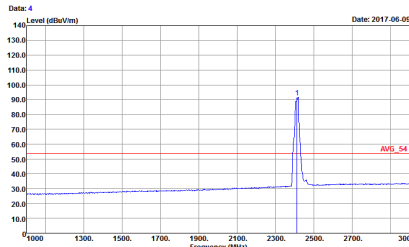
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Date: 11 Level (dBm/Vm) Date: 2017.06.10 PEAK_BE_74 Site : 03CH03-S2 Condition : PEAK_BE_74 3m HF_ANT 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank
Avg.	 Date: 12 Level (dBm/Vm) Date: 2017.06.10 AVG_BE_54 Site : 03CH03-S2 Condition : AVG_BE_54 3m HF_ANT 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank

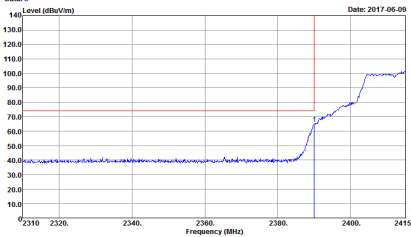
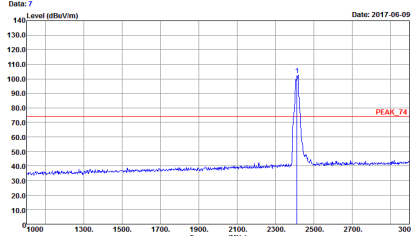
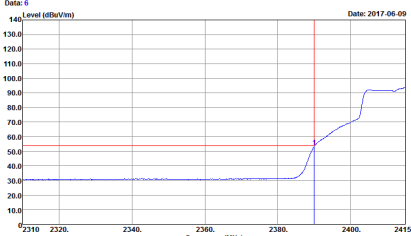
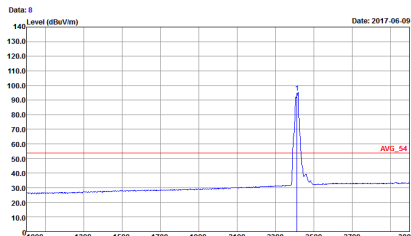
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_9120D-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_9120D-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21
Avg.	 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_9120D-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	 Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_9120D-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21

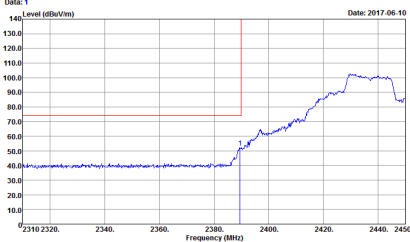
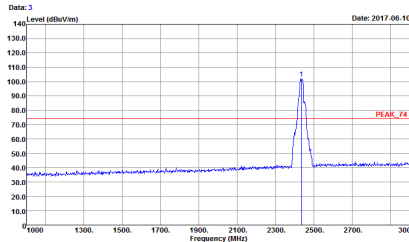
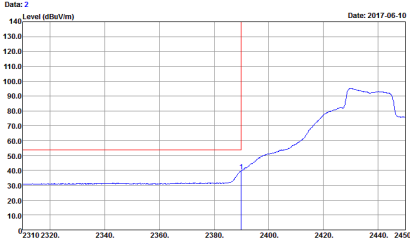
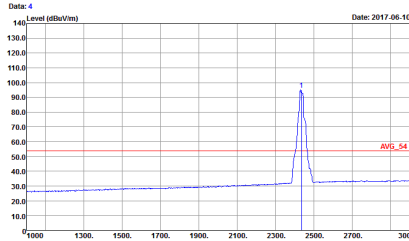
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	Date: 7 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Date: 5 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21
Avg.	Date: 8 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Date: 6 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21

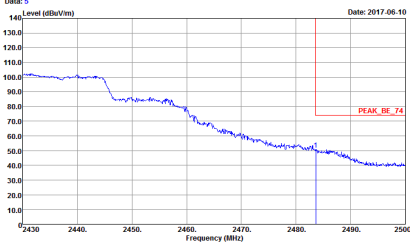
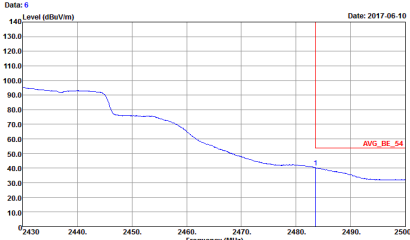
2.4GHz 2400~2483.5MHz

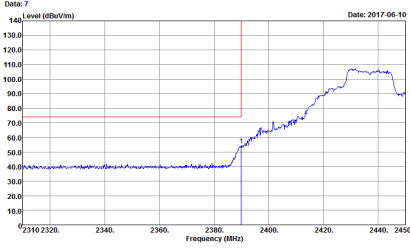
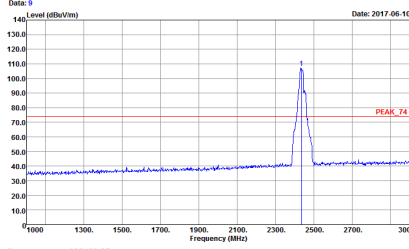
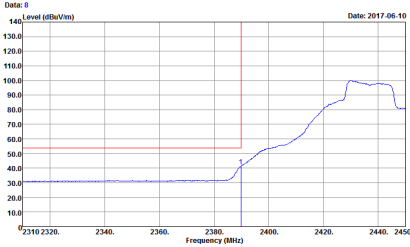
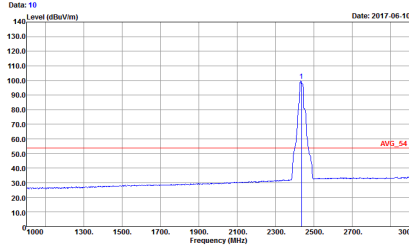
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	Horizontal  Site : 03CH03-SZ Condition : PEAK, BE 74 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity #3 MCS0 Power Setting 21	Fundamental  Site : 03CH03-SZ Condition : PEAK, 74 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity #3 MCS0 Power Setting 21
Avg.	Horizontal  Site : 03CH03-SZ Condition : AVG, BE 54 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity #3 MCS0 Power Setting 21	Fundamental  Site : 03CH03-SZ Condition : AVG, 54 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity #3 MCS0 Power Setting 21

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	Data: 5  Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Data: 7  Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21
Avg.	Data: 6  Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Data: 8  Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21

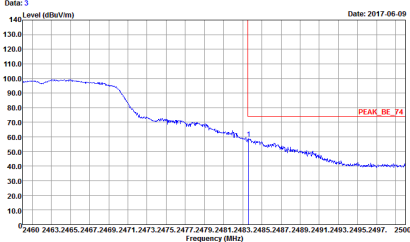
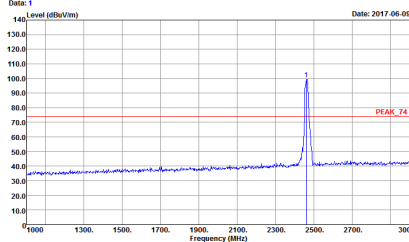
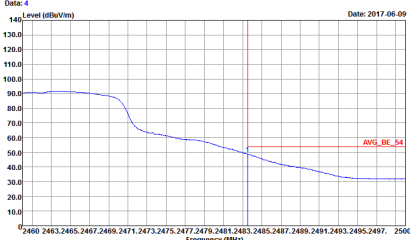
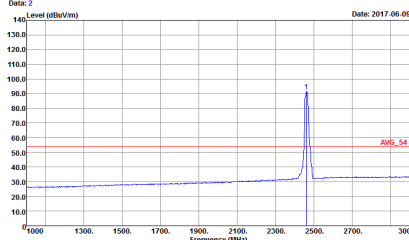
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH03-SZ Condition : PEAK, BE: 74.3m HF, ANT: 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	 Site : 03CH03-SZ Condition : PEAK, BE: 74.3m HF, ANT: 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24
Avg.	 Site : 03CH03-SZ Condition : AVG, BE: 54.3m HF, ANT: 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	 Site : 03CH03-SZ Condition : AVG, BE: 54.3m HF, ANT: 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24

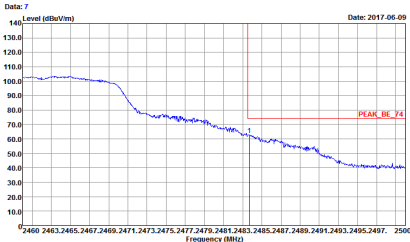
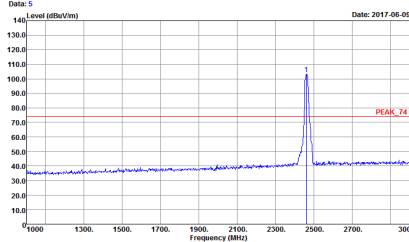
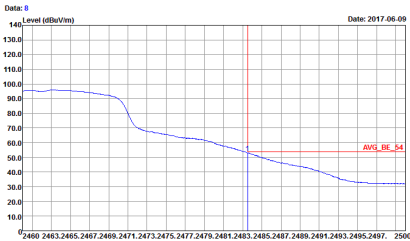
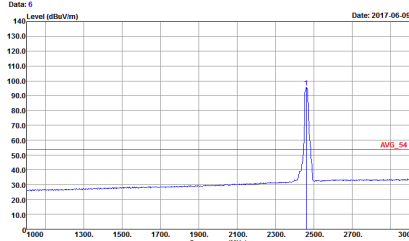
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 5 Date: 2017-06-10 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode B Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank
Avg.	 Date: 6 Date: 2017-06-10 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode B Plane : Y (Full) Directivity : #2 : MCS0 Power Setting 24	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	Vertical  Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Fundamental  Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24
Avg.	Vertical  Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Fundamental  Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24

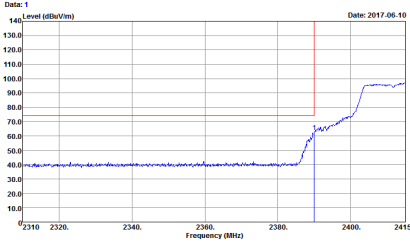
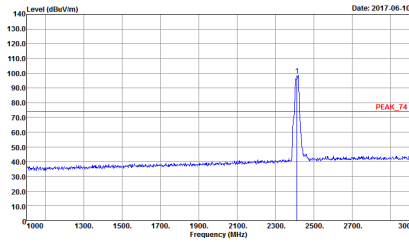
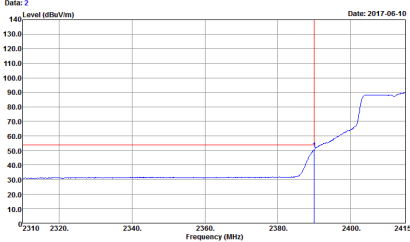
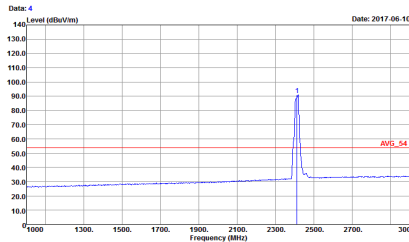


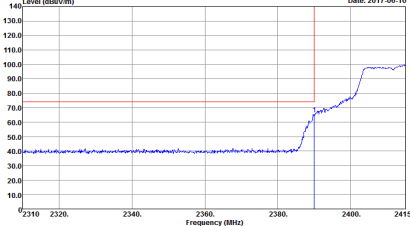
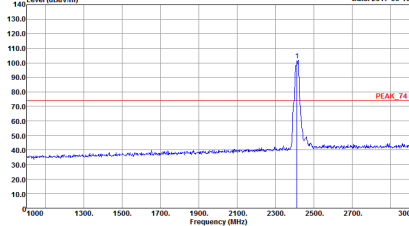
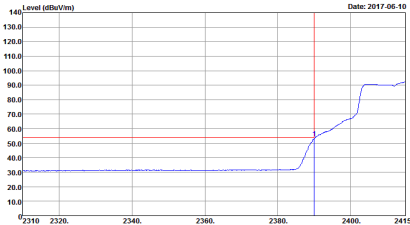
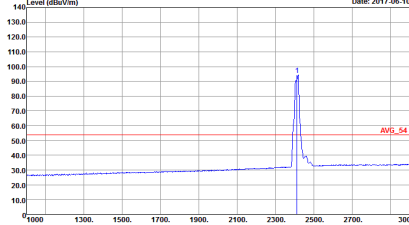
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	Date: 11 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 2430 2440. 2450. 2460. 2470. 2480. 2490. 2500 Frequency (MHz) PEAK_BE_74 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL RBW:1000.000KHz VBW:3000.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left Blank
Avg.	Date: 12 140.0 130.0 120.0 110.0 100.0 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0 2430 2440. 2450. 2460. 2470. 2480. 2490. 2500 Frequency (MHz) AVG_BE_54 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL RBW:1000.000KHz VBW:1.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left Blank

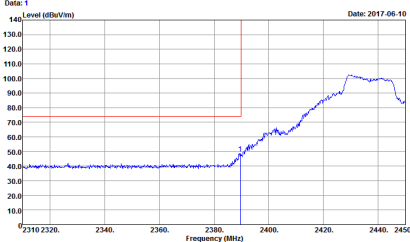
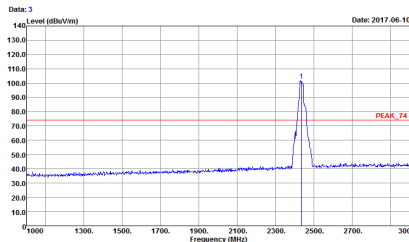
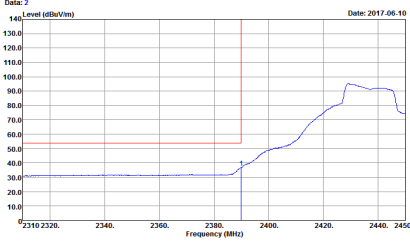
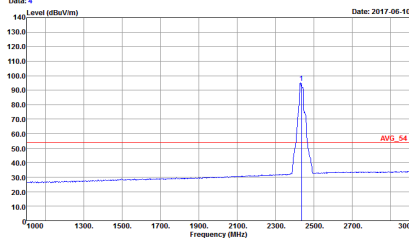
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL RBW:1000.000KHz VSW:3000.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18
Avg.	 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL RBW:1000.000KHz VSW:1.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL RBW:1000.000KHz VSW:1.000KHz Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18

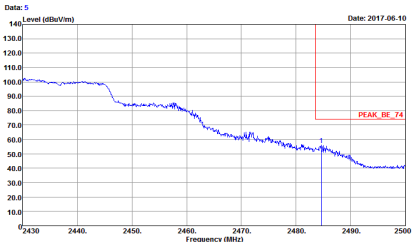
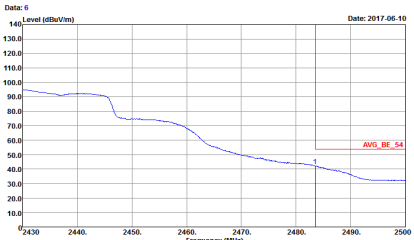
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Date: 7 Date: 2017-06-09 Site Condition : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 18	 Date: 5 Date: 2017-06-09 Site Condition : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 18
Avg.	 Date: 8 Date: 2017-06-09 Site Condition : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 18	 Date: 6 Date: 2017-06-09 Site Condition : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 18

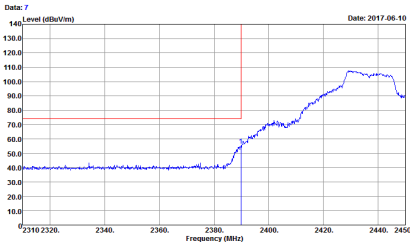
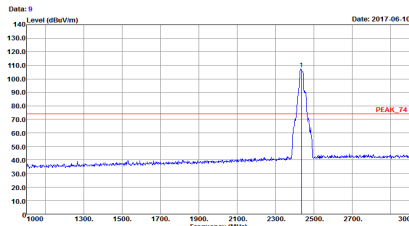
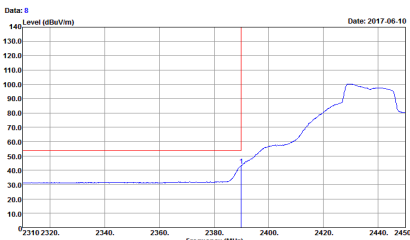
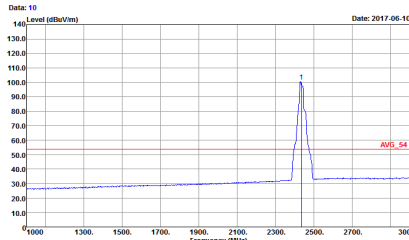
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

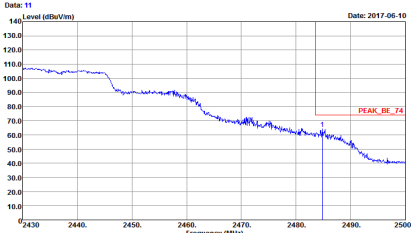
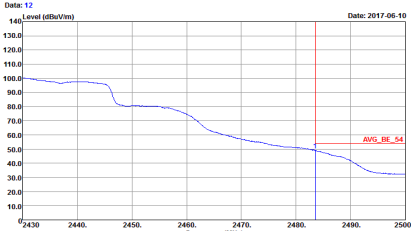
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Date: 1 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) Site : 03CH03-SZ Condition : PEAK, BE, 74 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity #3 MCS9 Power Setting 20	 Date: 3 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) Site : 03CH03-SZ Condition : PEAK, 74 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity #3 MCS9 Power Setting 20
Avg.	 Date: 2 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) Site : 03CH03-SZ Condition : AVG, BE, 54 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity #3 MCS9 Power Setting 20	 Date: 4 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) Site : 03CH03-SZ Condition : AVG, 54 3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity #3 MCS9 Power Setting 20

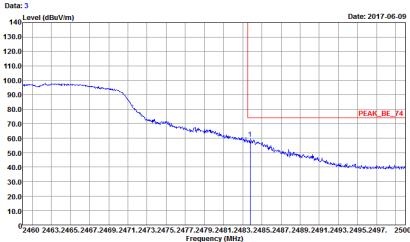
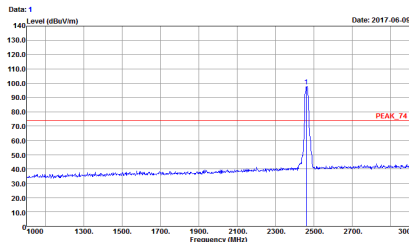
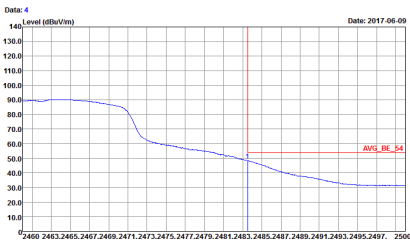
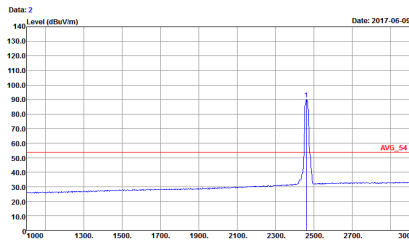
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m) Date: 2017-06-10  Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Date: 7 Level (dBuV/m) Date: 2017-06-10  Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20
Avg.	Date: 6 Level (dBuV/m) Date: 2017-06-10  Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Date: 8 Level (dBuV/m) Date: 2017-06-10  Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20

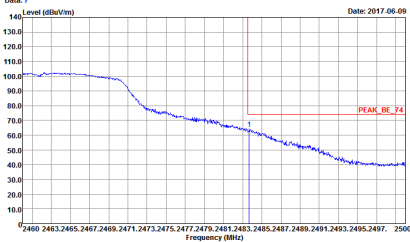
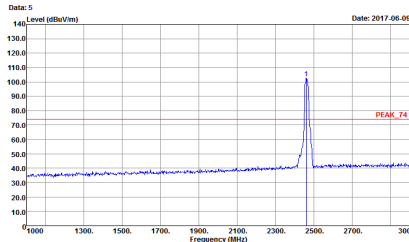
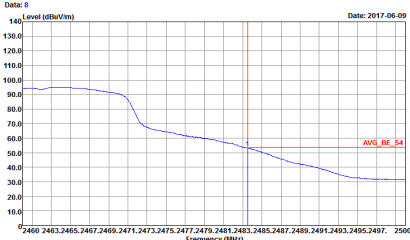
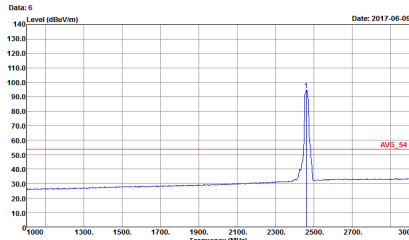
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	 Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24
Avg.	 Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	 Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 24

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 5 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) PEAK_BE_74 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : RDW:1000.000KHz VSW:1.000KHz Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank
Avg.	 Date: 6 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) AVG_BE_54 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : RDW:1000.000KHz VSW:1.000KHz Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	Left blank

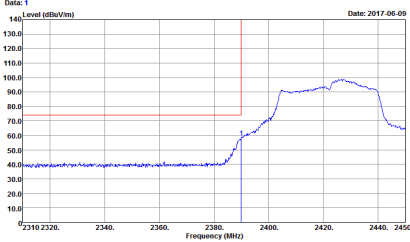
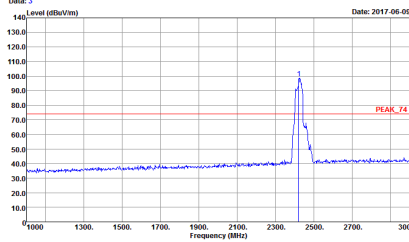
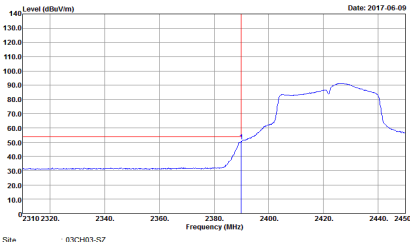
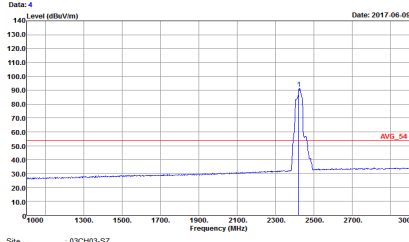
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Date: 7 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	 Date: 9 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24
Avg.	 Date: 8 Date: 2017.06.10 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	 Date: 10 Date: 2017.06.10 Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24

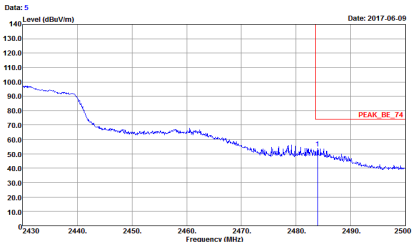
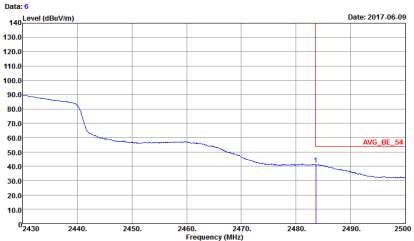
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Date: 11 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) PEAK_BE_74 Site : 03CH03-S2 Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz Project : Peak (FR) 750434 Mode : Mode 11 Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Left Blank
Avg.	 Date: 12 Level (dBuV/m) Date: 2017-06-10 Frequency (MHz) AVG_BE_54 Site : 03CH03-S2 Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz Project : Peak (FR) 750434 Mode : Mode 11 Y (Full) Directivity Plane : #3 MCS0 Power Setting 24	Left Blank

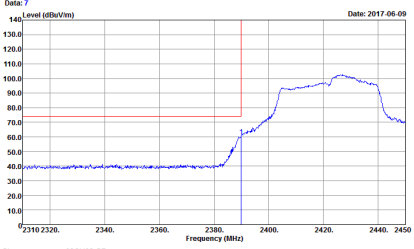
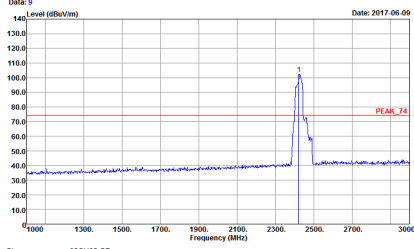
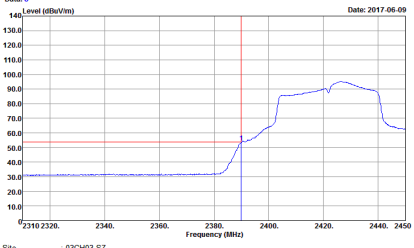
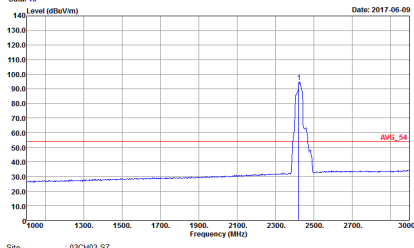
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18
Avg.	 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	 Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18

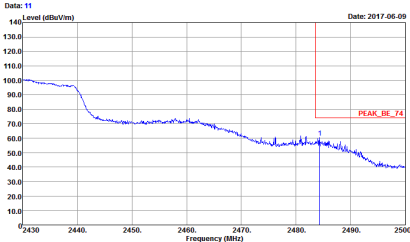
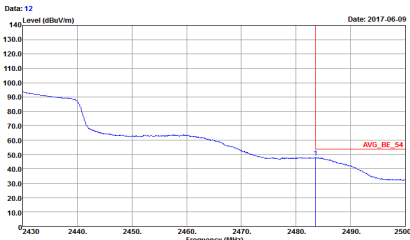
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	Date: 7 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	Date: 5 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_T4 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18
Avg.	Date: 8 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18	Date: 6 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_T4 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 18

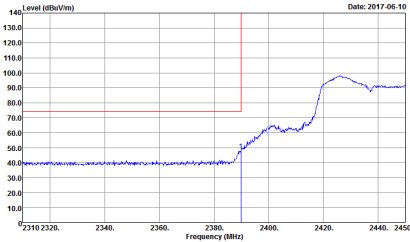
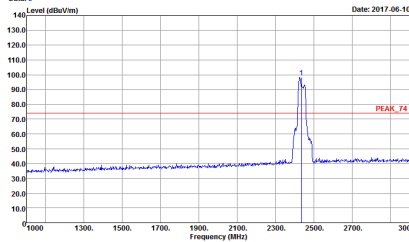
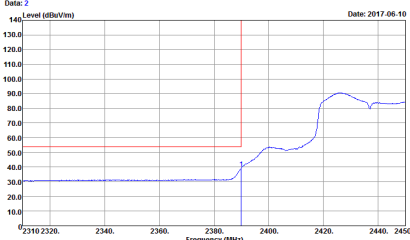
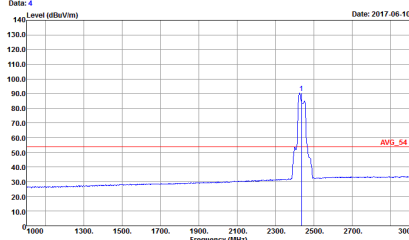
2.4GHz 2400~2483.5MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

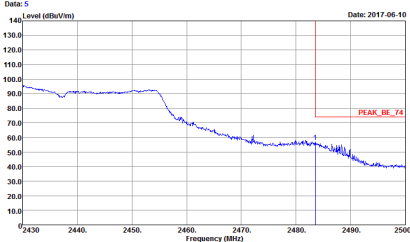
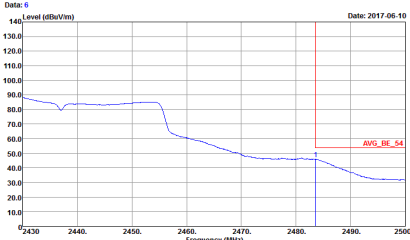
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1  Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Date: 3  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21
Avg.	Date: 2  Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21	Date: 4  Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 21

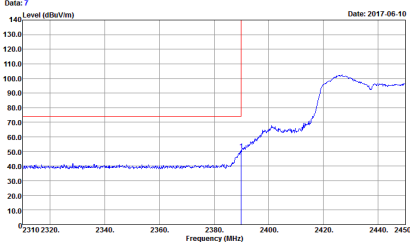
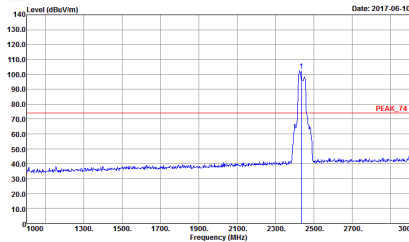
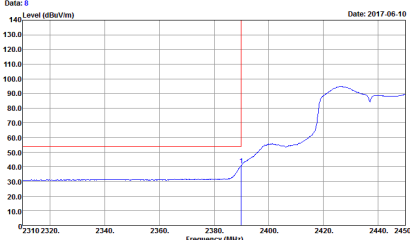
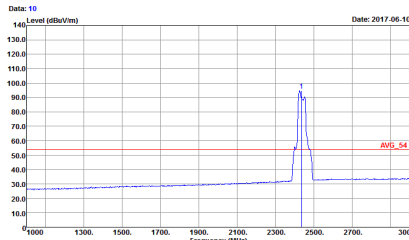
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 5 Date: 2017.06.09 Site : 03CH03-S2 Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : RBW:1000.000KHz VSW:3.000KHz Project : Peak (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Left Blank
Avg.	 Date: 6 Date: 2017.06.09 Site : 03CH03-S2 Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : RBW:1000.000KHz VSW:3.000KHz Project : Peak (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Left Blank

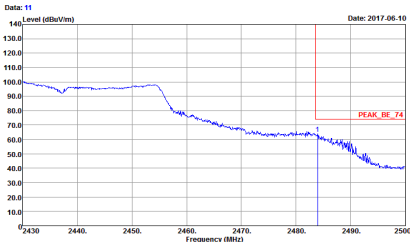
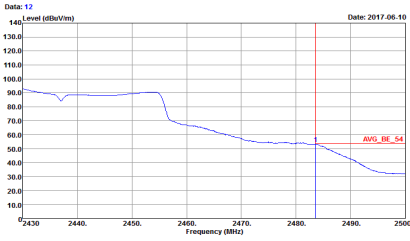
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1	Vertical	Fundamental
Peak	Date: 7 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 21	Date: 9 Date: 2017-06-09  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 21
Avg.	Date: 8 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 21	Date: 10 Date: 2017-06-09  Site : 03CH03-SZ Condition : AVG_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity Plane : #3 MCS9 Power Setting 21

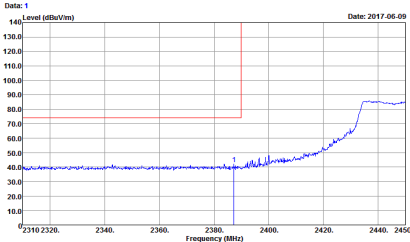
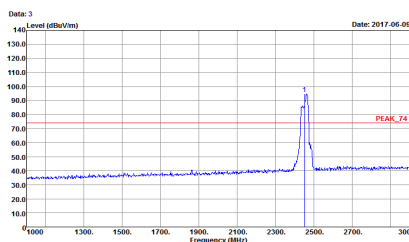
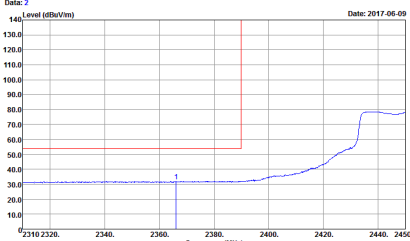
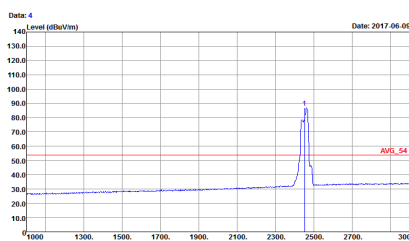
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1	Vertical	Fundamental
Peak	 Date: 2017.06.09 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Left blank
Avg.	 Date: 2017.06.09 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Left blank

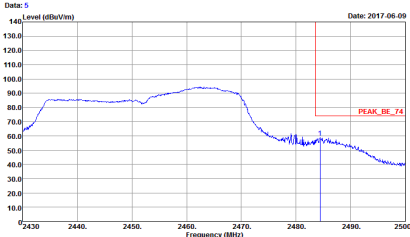
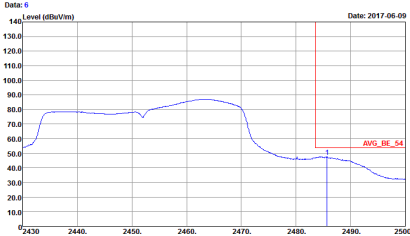
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	Data: 1  Site : 03CH03-SZ Condition : PEAK, BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Data: 3  Site : 03CH03-SZ Condition : PEAK, BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20
Avg.	Data: 2  Site : 03CH03-SZ Condition : AVG, BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Data: 4  Site : 03CH03-SZ Condition : AVG, BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20

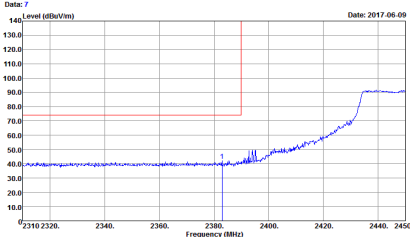
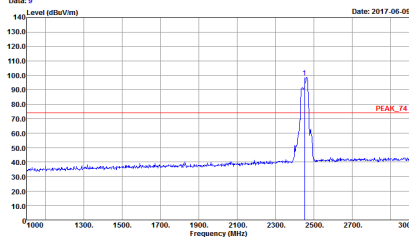
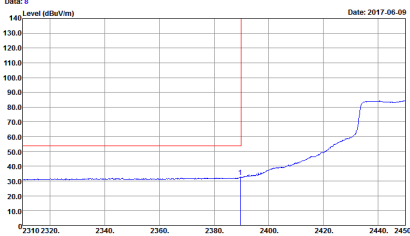
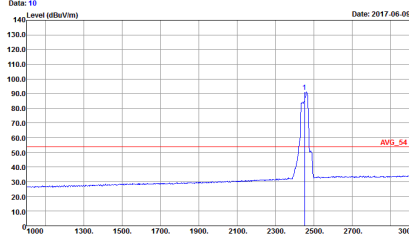
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 2017-06-10 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20	Left blank
Avg.	 Date: 2017-06-10 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Date: 7 Date: 2017-06-10 Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20	 Date: 9 Date: 2017-06-10 Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20
Avg.	 Date: 8 Date: 2017-06-10 Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20	 Date: 10 Date: 2017-06-10 Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Data: 11 Level (dBm/Vm) Date: 2017-06-10 Frequency (MHz) PEAK_BE_74 Site : 03CH03-S2 Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VSW:1.000KHz Project : Peak (FR) 750434 Mode : Mode 14 Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Left blank
Avg.	 Data: 12 Level (dBm/Vm) Date: 2017-06-10 Frequency (MHz) AVG_BE_54 Site : 03CH03-S2 Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VSW:1.000KHz Project : Peak (FR) 750434 Mode : Mode 14 Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Left blank

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Horizontal	Fundamental
Peak	 Date: 1 Level (dBuV/m) Date: 2017.06.09 Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	 Date: 3 Level (dBuV/m) Date: 2017.06.09 Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15
Avg.	 Date: 2 Level (dBuV/m) Date: 2017.06.09 Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	 Date: 4 Level (dBuV/m) Date: 2017.06.09 Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Horizontal	Fundamental
Peak	 Date: 5 Level (dBuV/m) Date: 2017-06-09 Frequency (MHz) Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : RBW:1000.000KHz VSW:3000.000KHz Project : Peak (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	Left blank
Avg.	 Date: 6 Level (dBuV/m) Date: 2017-06-09 Frequency (MHz) Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 HORIZONTAL Detector : RBW:1000.000KHz VSW:3.000KHz Project : Peak (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	Left blank

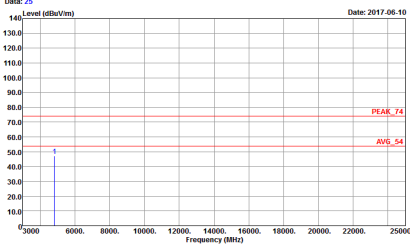
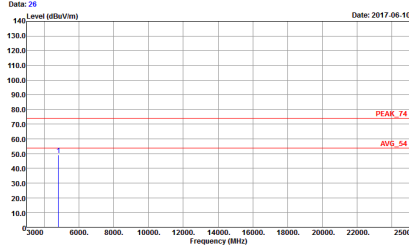
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1	Vertical	Fundamental
Peak	Date: 7 Level (dBuV/m)  Frequency (MHz) Site : 03CH03-SZ Condition : PEAK, BE, 74.3m HF, ANT, 91200-1474 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity #3 MCS9 Power Setting 15	Date: 9 Level (dBuV/m)  Frequency (MHz) Site : 03CH03-SZ Condition : PEAK, 74.3m HF, ANT, 91200-1474 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity #3 MCS9 Power Setting 15
Avg.	Date: 8 Level (dBuV/m)  Frequency (MHz) Site : 03CH03-SZ Condition : AVG, BE, 54.3m HF, ANT, 91200-1474 VERTICAL RBW: 1000.000kHz VBW: 3.000kHz Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity #3 MCS9 Power Setting 15	Date: 10 Level (dBuV/m)  Frequency (MHz) Site : 03CH03-SZ Condition : AVG, 54.3m HF, ANT, 91200-1474 VERTICAL RBW: 1000.000kHz VBW: 3.000kHz Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity #3 MCS9 Power Setting 15



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1	Vertical	Fundamental
Peak	Data: 11 Site : 03CH03-SZ Condition : PEAK_BE_74 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VSW:3.000KHz Project : Peak Mode : (FR) 750434 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	Left blank
Avg.	Data: 12 Site : 03CH03-SZ Condition : AVG_BE_54 3m HF_ANT_91200-1474 VERTICAL Detector : RBW:1000.000KHz VSW:3.000KHz Project : Peak Mode : (FR) 750434 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	Left blank

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	Data: 25 Date: 2017-06-10  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 MCS0 Power Setting 24	Data: 26 Date: 2017-06-10  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 4 Plane : Y (Full) Directivity : #3 MCS0 Power Setting 24



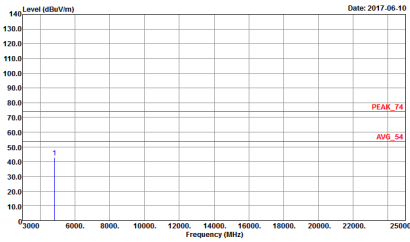
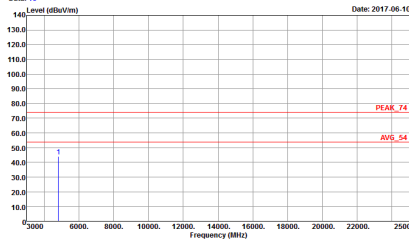
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	47 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24	48 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 5 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 24

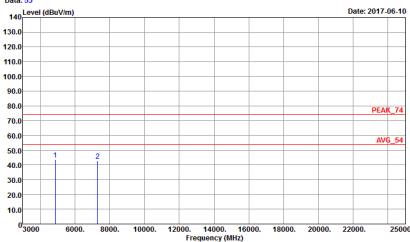
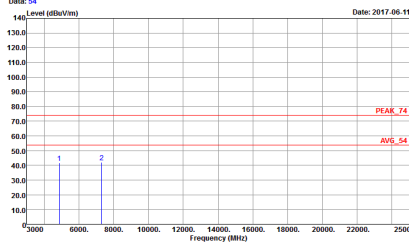


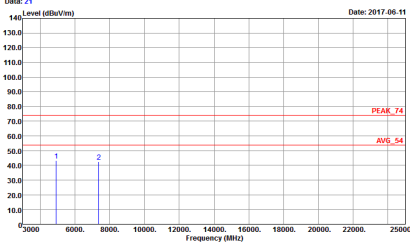
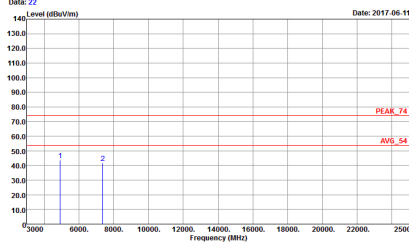
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 21	Date: 18 Date: 2017.06.10 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 6 Plane : Y (Full) Directivity : #3 : MCS9 Power Setting 21

2.4GHz 2400~2483.5MHz

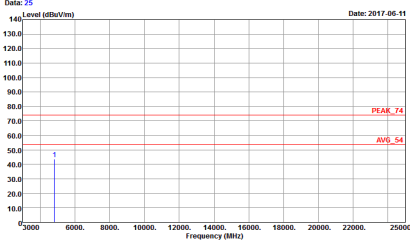
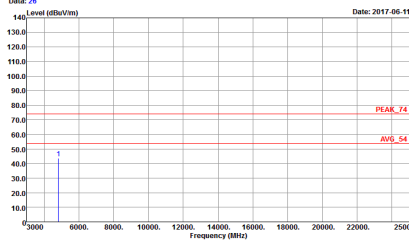
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Date: 2017.06.10  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Date: 18 Date: 2017.06.10  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 7 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21

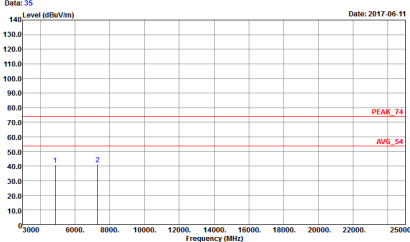
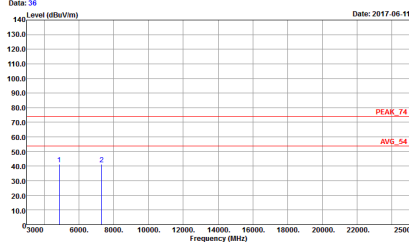
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 53 Date: 2017.06.10  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity #J MCS0 Power Setting 24	Date: 54 Date: 2017.06.11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 8 Plane : Y (Full) Directivity #J MCS0 Power Setting 24

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 21 Date: 2017.06.11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity #3 MCS0 Power Setting 18	Date: 22 Date: 2017.06.11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 9 Plane : Y (Full) Directivity #3 MCS0 Power Setting 18

2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	 Date: 25 Level (dBuV/m) Date: 2017-05-11 Frequency (MHz) PEAK_74 AVG_54 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity : #3 MCS0 Power Setting 20	 Date: 26 Level (dBuV/m) Date: 2017-05-11 Frequency (MHz) PEAK_74 AVG_54 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 Plane : Y (Full) Directivity : #3 MCS0 Power Setting 20



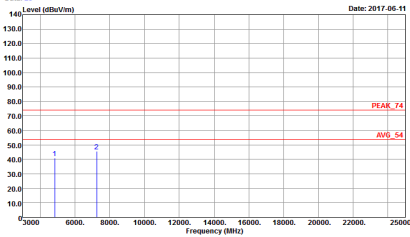
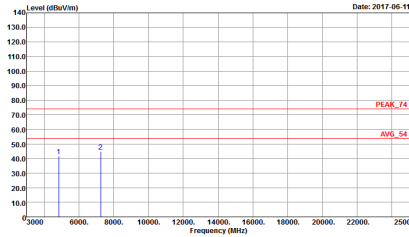
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 36 Date: 2017-06-11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity #J MCS0 Power Setting 24	Date: 36 Date: 2017-06-11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 11 Plane : Y (Full) Directivity #J MCS0 Power Setting 24

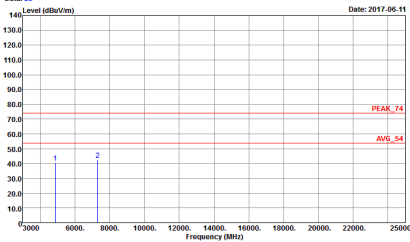
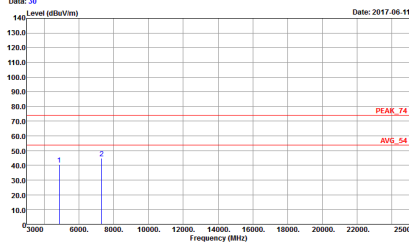


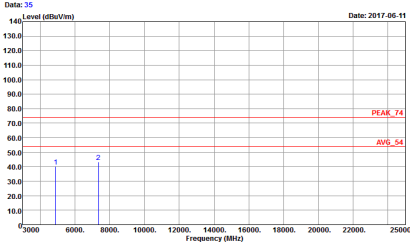
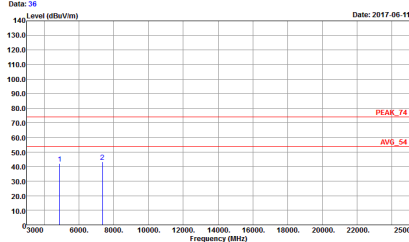
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 21 Level (dBuV/m) Frequency (MHz) Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity : 43 : MCS0 Power Setting 18	Date: 22 Level (dBuV/m) Frequency (MHz) Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 12 Plane : Y (Full) Directivity : 43 : MCS0 Power Setting 18

2.4GHz 2400~2483.5MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH03 2422MHz	
1	Horizontal	Vertical
Peak Avg.	Data: 23 Date: 2017-05-11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21	Data: 24 Date: 2017-05-11  Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 13 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 21

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 29 Level (dBuV/m) Date: 2017-06-11  Frequency (MHz) Site : 03CH03-SZ Condition : PEAK_T4 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20	Date: 30 Level (dBuV/m) Date: 2017-06-11  Frequency (MHz) Site : 03CH03-SZ Condition : PEAK_T4 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 14 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 20

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT40 CH09 2452MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15	 Site : 03CH03-SZ Condition : PEAK_74 3m HF_ANT_91200-1474 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 15 Plane : Y (Full) Directivity : #3 : MCS0 Power Setting 15



Emission below 1GHz

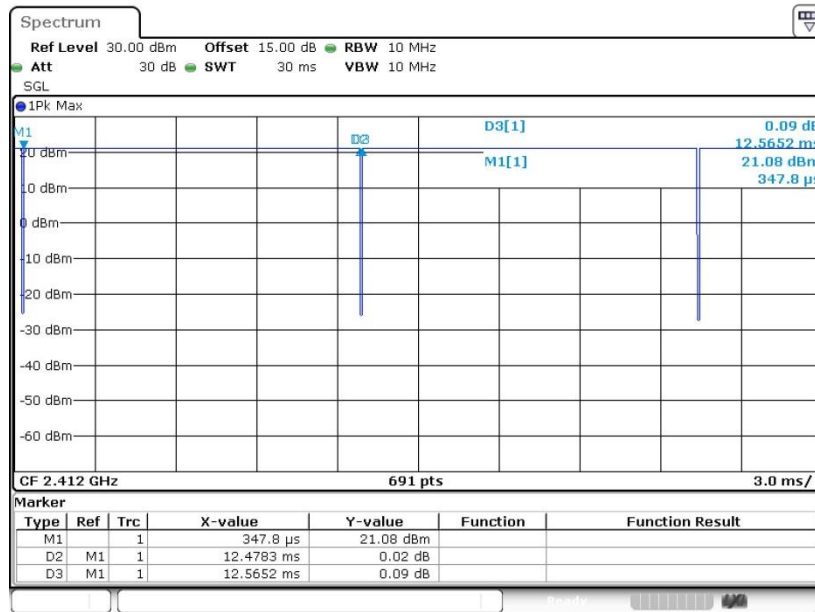
2.4GHz WIFI 802.11n HT20 (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	Data: 1 Site : 03CH03-SZ Condition : FCC CLASS-B 3m LF_ANT41909_6 HORIZONTAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 MEI : Y (Full) Directivity Plane : #3 MCS0 Power Setting 20	Data: 2 Site : 03CH03-SZ Condition : FCC CLASS-B 3m LF_ANT41909_6 VERTICAL Detector : Peak Project : (FR) 750434 Mode : Mode 10 MEI : Y (Full) Directivity Plane : #2 MCS0 Power Setting 20

Appendix D. Duty Cycle Plots

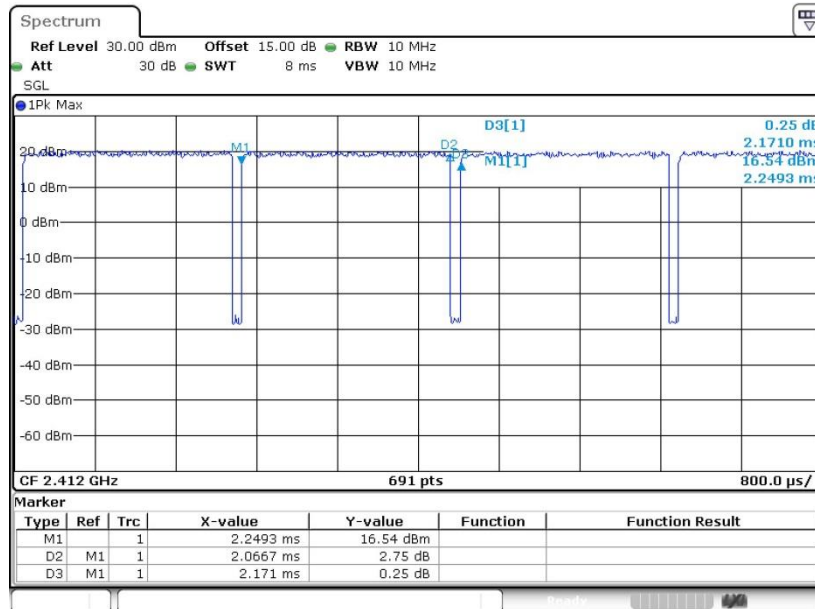
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11b	99.31	12.48	0.08	10Hz
802.11g	95.20	2.07	0.48	1KHz
2.4GHz 802.11n HT20	94.86	1.93	0.52	1KHz
2.4GHz 802.11n HT40	91.23	0.95	1.05	3KHz

802.11b



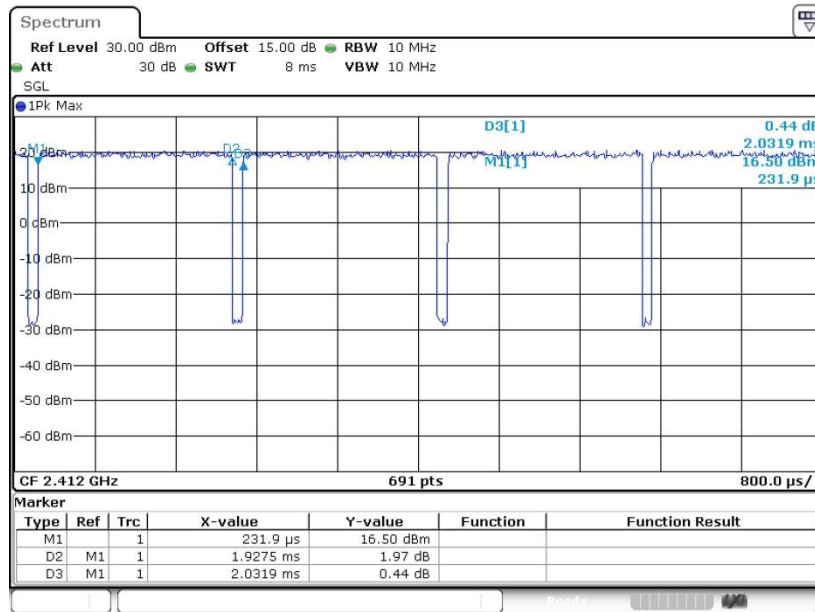
Date: 23.MAY.2017 19:47:55

802.11g



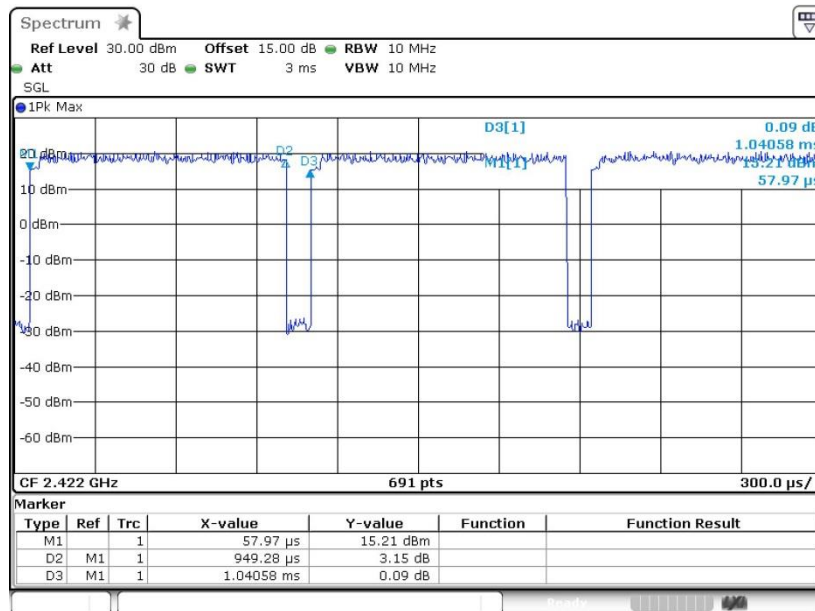
Date: 23.MAY.2017 19:55:17

802.11n HT20



Date: 23.MAY.2017 19:58:32

802.11n HT40



Date: 23.MAY.2017 20:02:41