



FCC RF Test Report

APPLICANT : Aava Mobile Oy
EQUIPMENT : INARI6 SHORT FLIP
BRAND NAME : AAVA
MODEL NAME : INARI6 SHORT FLIP
FCC ID : 2ABVH-INARI61
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Feb. 09, 2018 and testing was completed on Mar. 22, 2018. 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



SPORTON INTERNATIONAL INC.

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FCC ID: 2ABVH-INARI61

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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 1.14 dB at 2484.640 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 13.56 dB at 13.558 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

Aava Mobile Oy
NAHKATEHTAANKATU 2 90130 OULU FINLAND

1.2 Manufacturer

Aava Mobile Oy
NAHKATEHTAANKATU 2 90130 OULU FINLAND

1.3 Product Feature of Equipment Under Test

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, NFC, and GNSS

Product Specification subjective to this standard	
Antenna Type	WLAN: Ceramic Antenna Bluetooth: Ceramic Antenna GPS / Glonass: Ceramic Antenna NFC: Ferrite Antenna

<Sample Information>

Sample 1	Camera + BCR (BCR= bar code reader)
Sample 2	BCR only
Sample 3	Camera only
Sample 4	No Camera + No BCR

Remark: All tests were performed with Sample 1.

1.4 Modification of EUT

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



1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 and TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH05-HY	CO05-HY

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH11-HY	

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
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane for antenna 1, Y plane for antenna 2 and X plane for antenna 1 + 2) were recorded in this report.

- b. AC power line Conducted Emission was tested under maximum output power.

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 modes are considering the modulation and worse data rates as below table.

Single Antenna

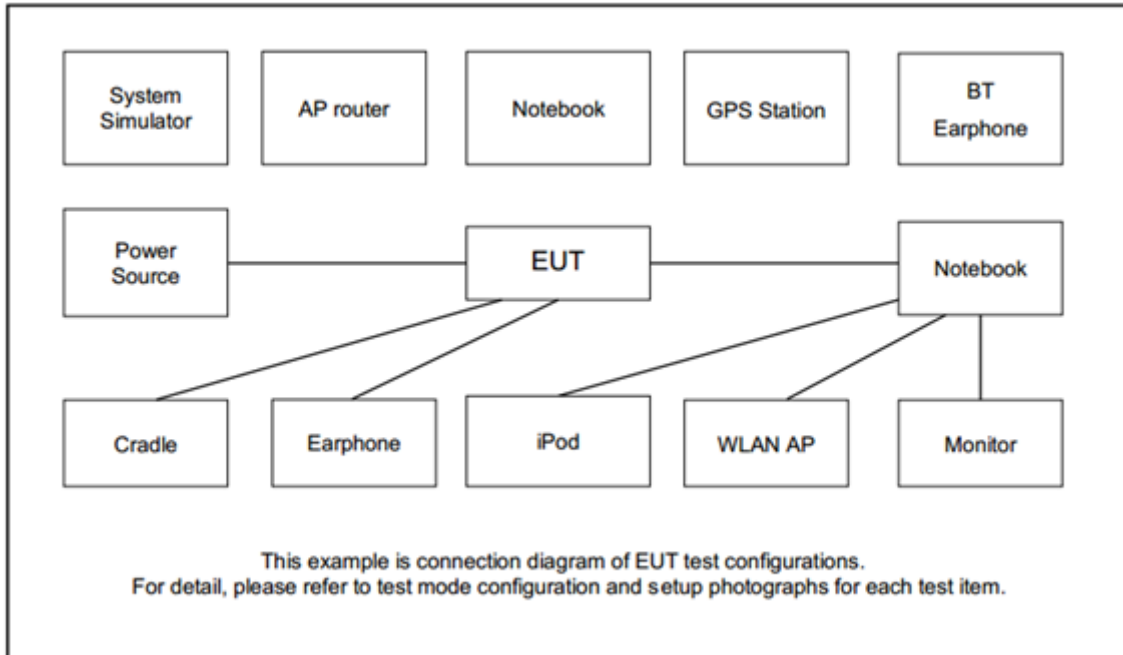
Modulation	Data Rate
802.11b	1 Mbps

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (2.4GHz) Link + Bluetooth Link + NFC On + Bar Code Reader + USB Cable Type C (Charging from Adapter)

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.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



2.5 EUT Operation Test Setup

The RF test items, utility “WLANCONTR OLLER-Shortcut Tool” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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.

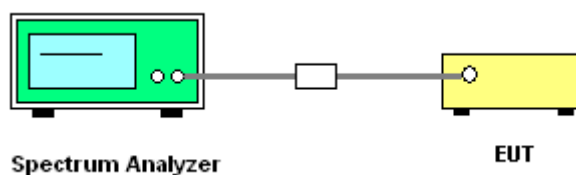
3.1.2 Measuring Instruments

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.

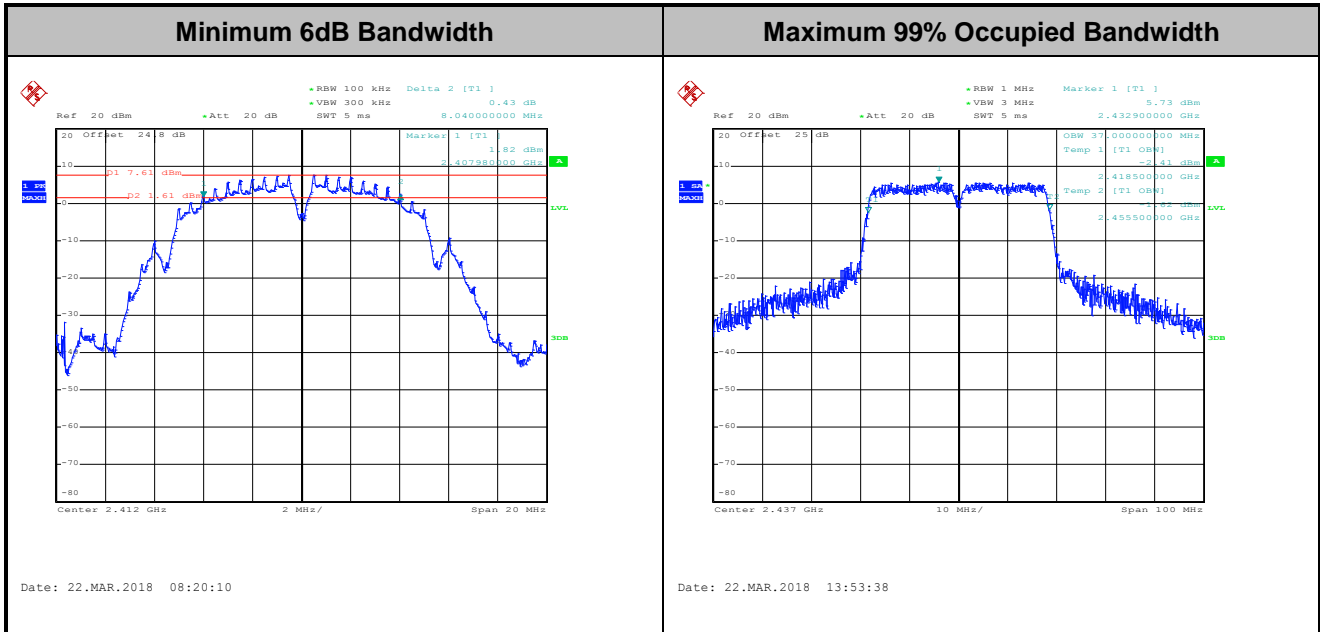
3.1.4 Test Setup





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 with directional gain greater than 6dBi is 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.

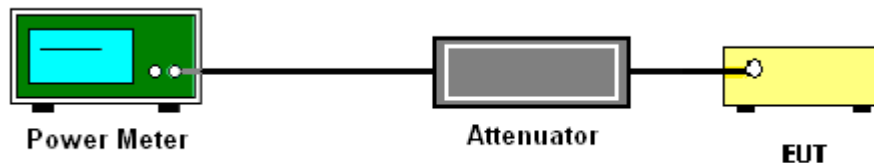
3.2.2 Measuring Instruments

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 9.1.3 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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

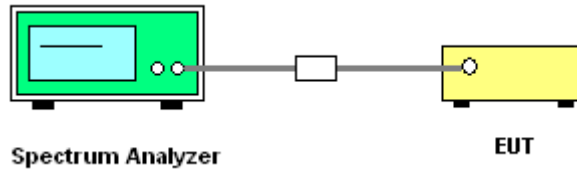
If measurements performed using method (2) plus $10 \log(N)$ exceeds the emission limit, the test should choose method (1) before declaring that the device fails the emission limit.

Method (1): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

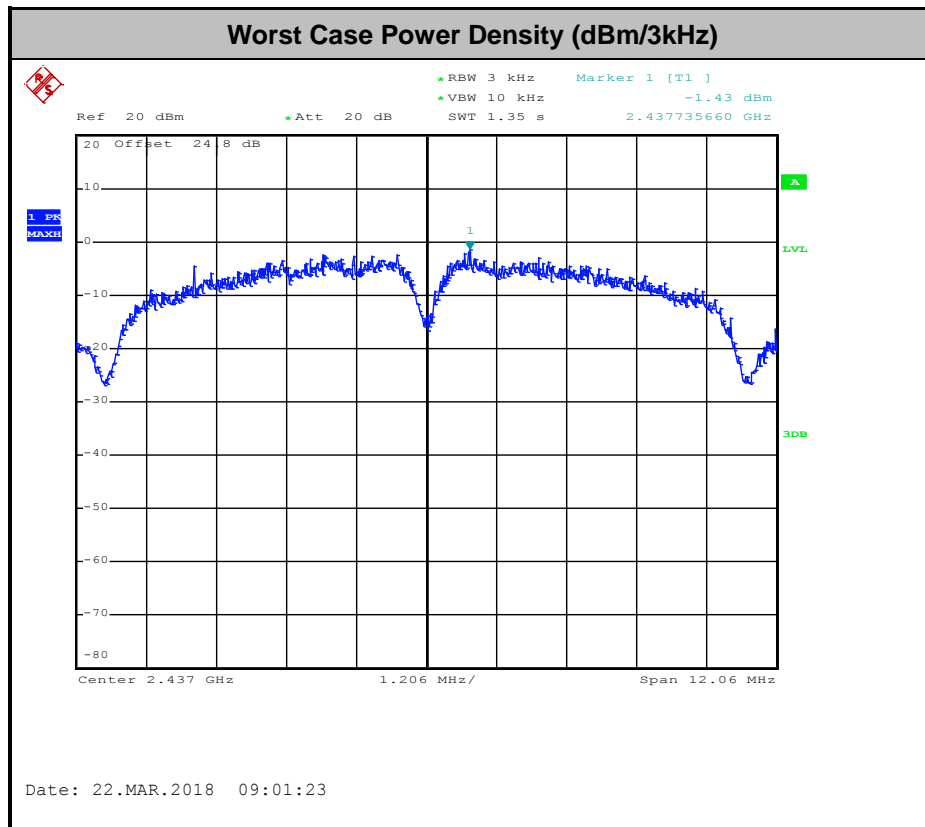
Method (2): Measure and add $10 \log(N)$ dB, where N is the number of outputs. (N=2)

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



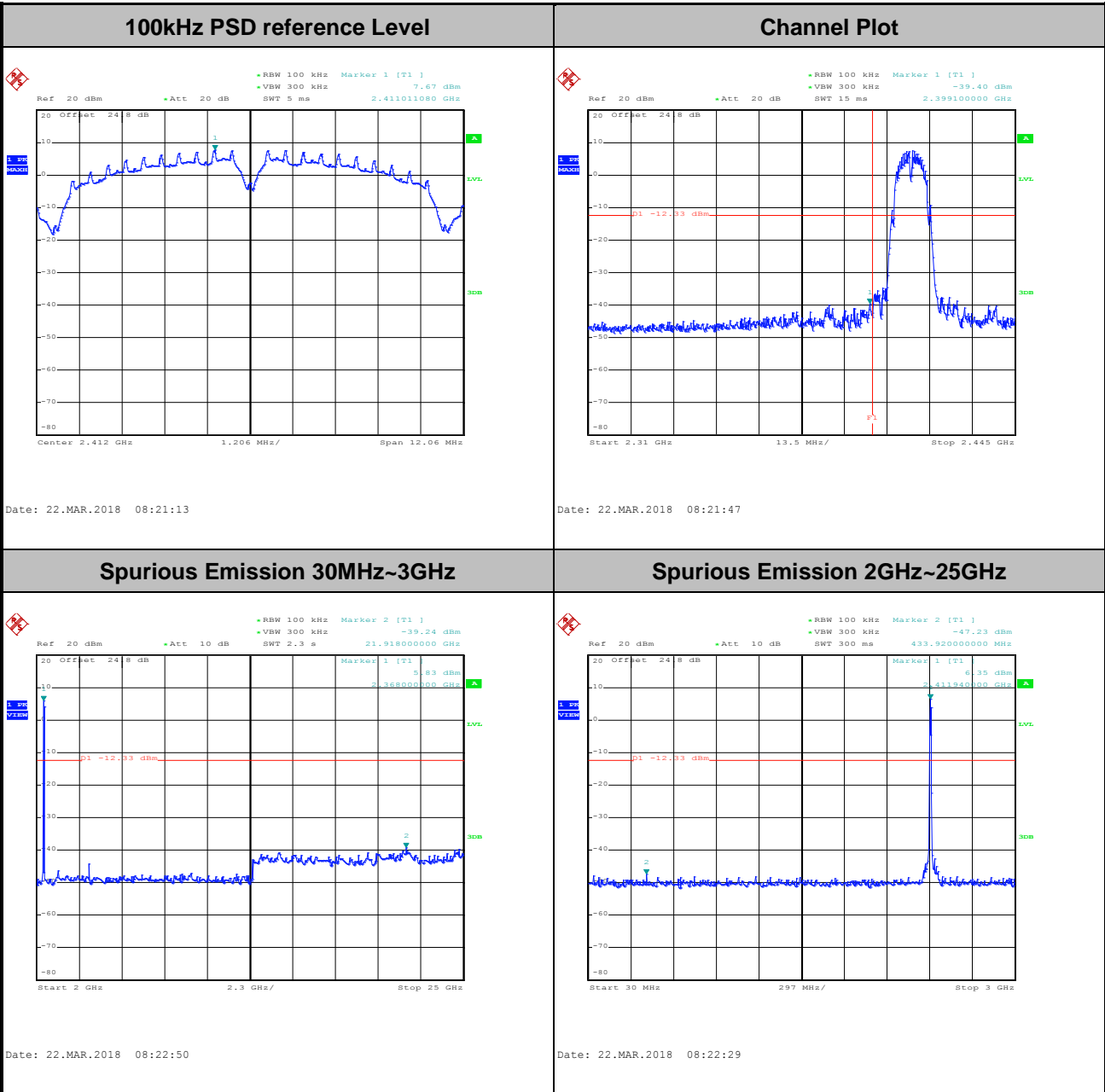


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Engineer : Luffy Lin	Temperature :	21~25°C
	Relative Humidity :	51~54%

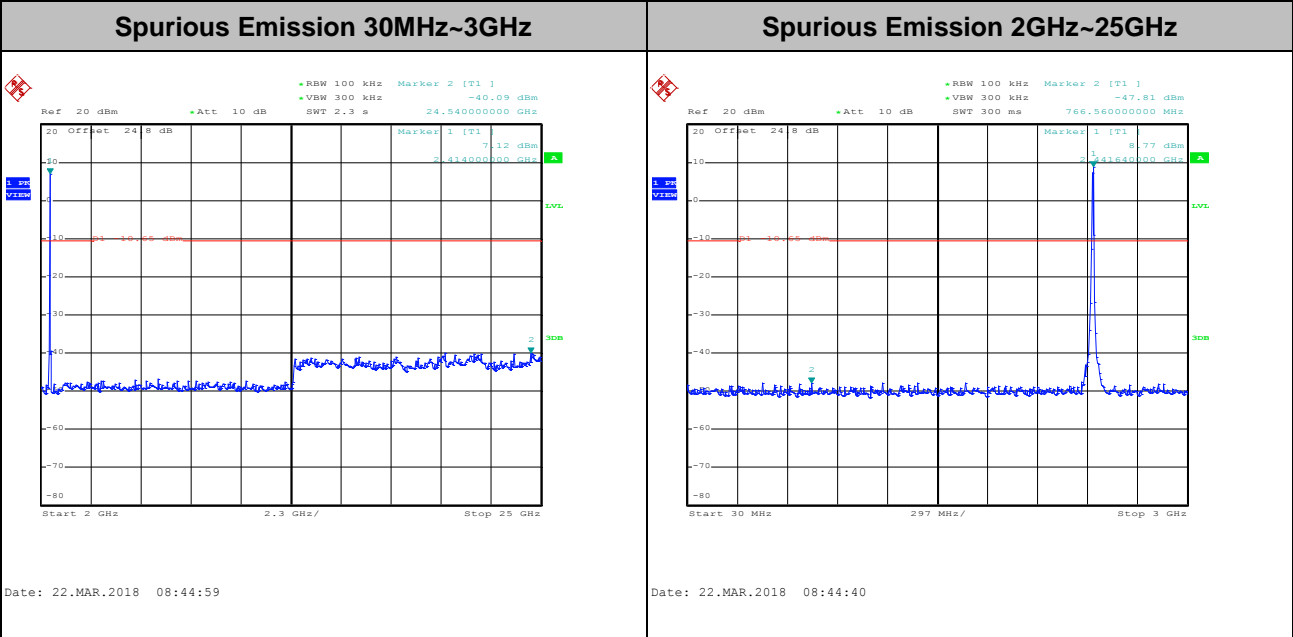
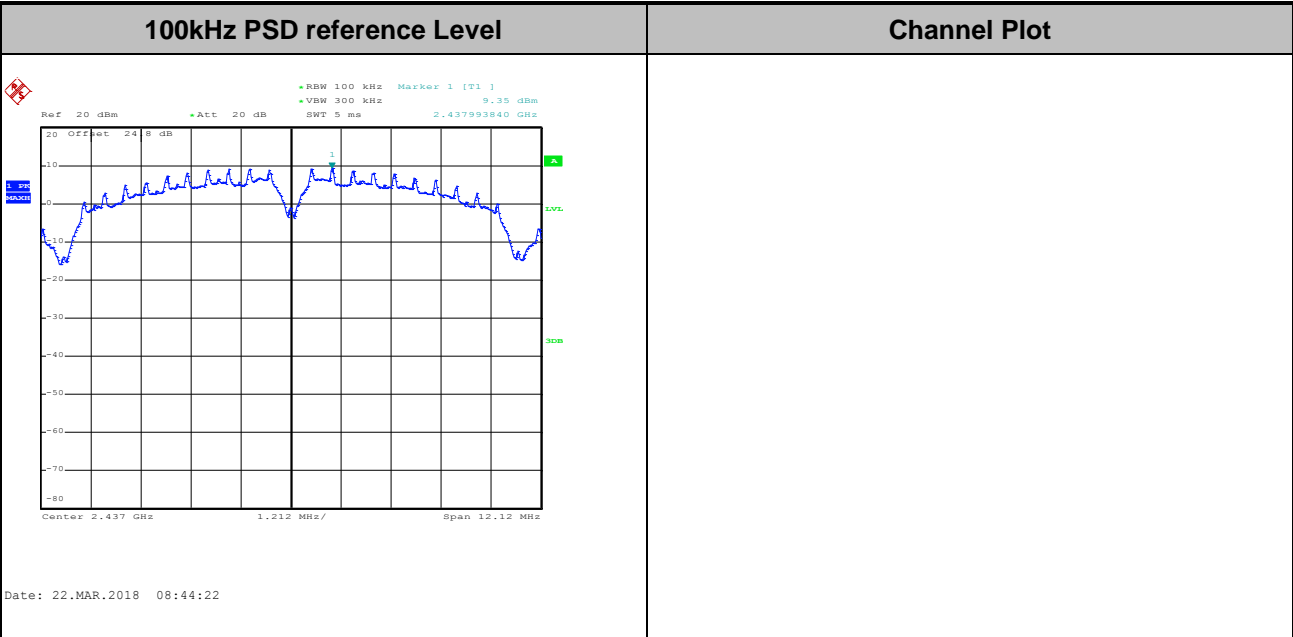
Number of TX = 1, Ant. 1 (Measured)

Test Mode :	802.11b	Test Channel :	01
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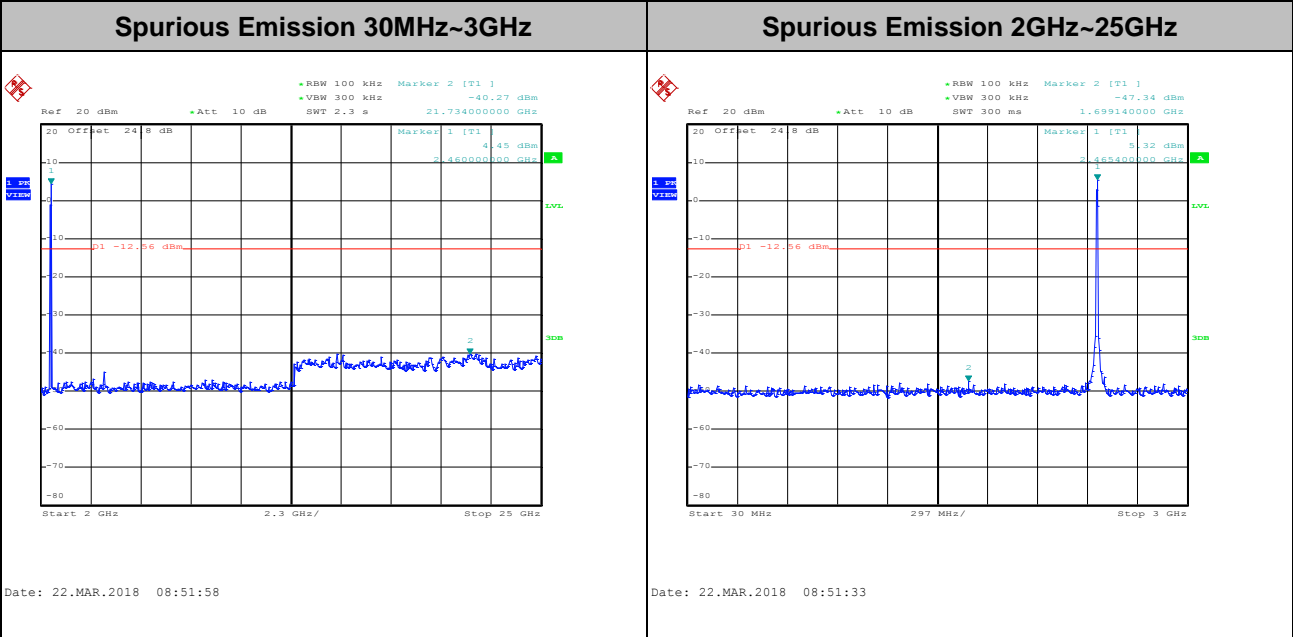
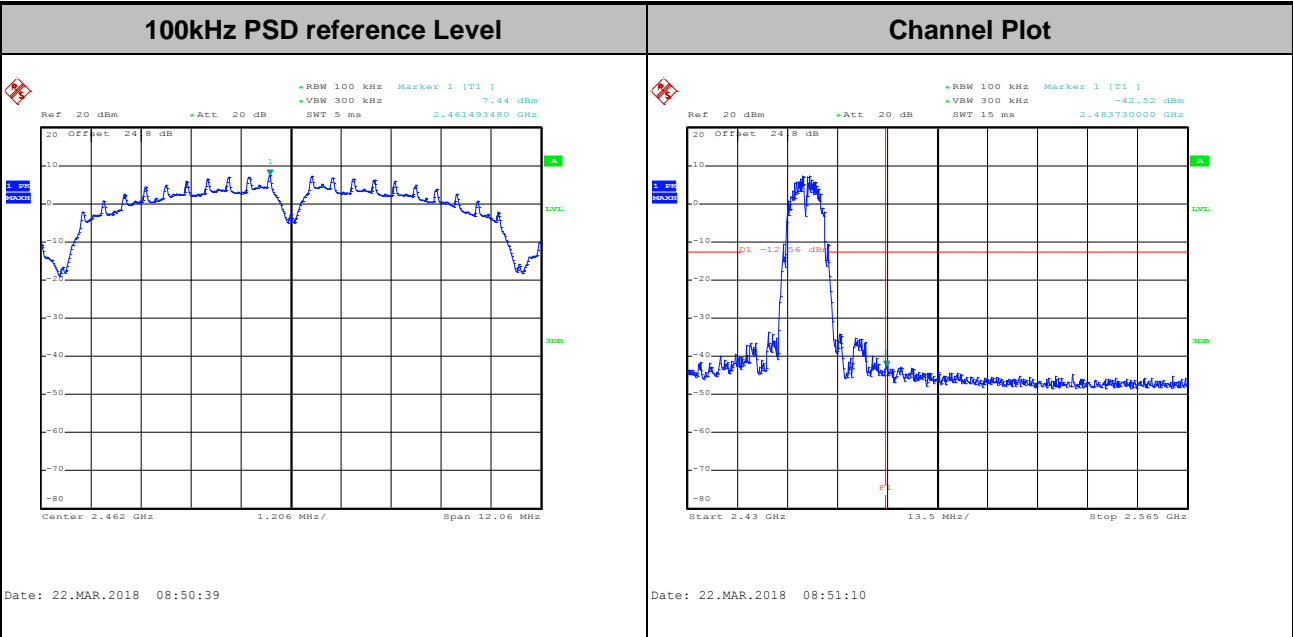


Test Mode :	802.11b	Test Channel :	06
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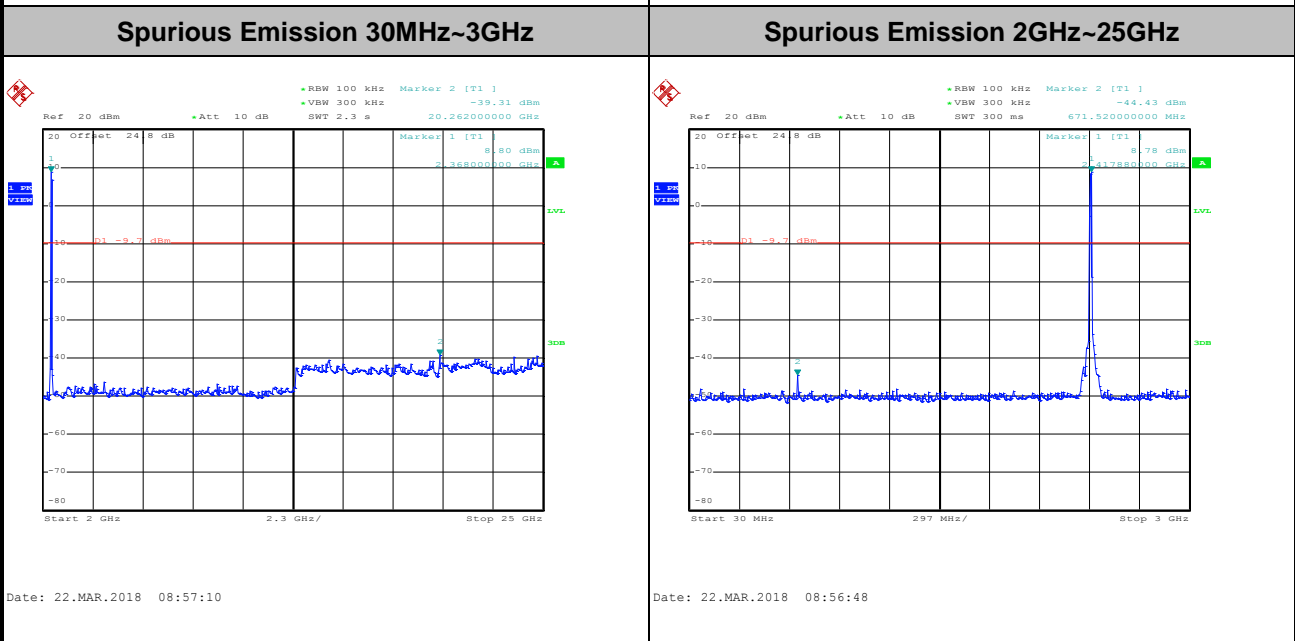
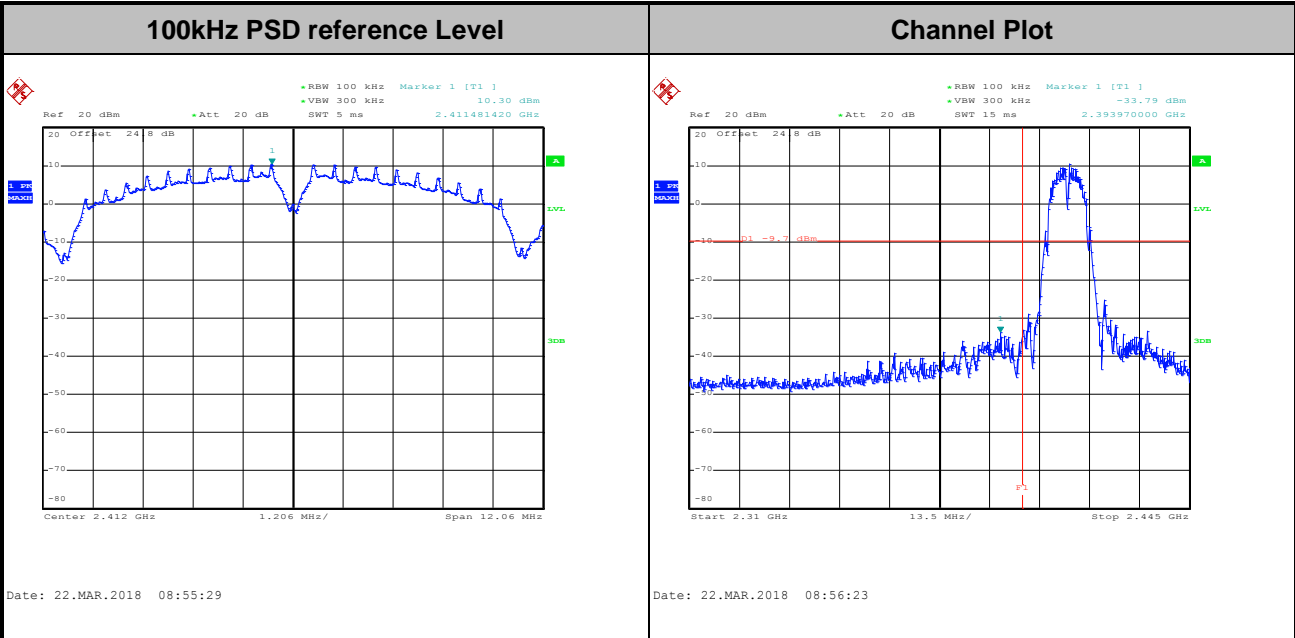
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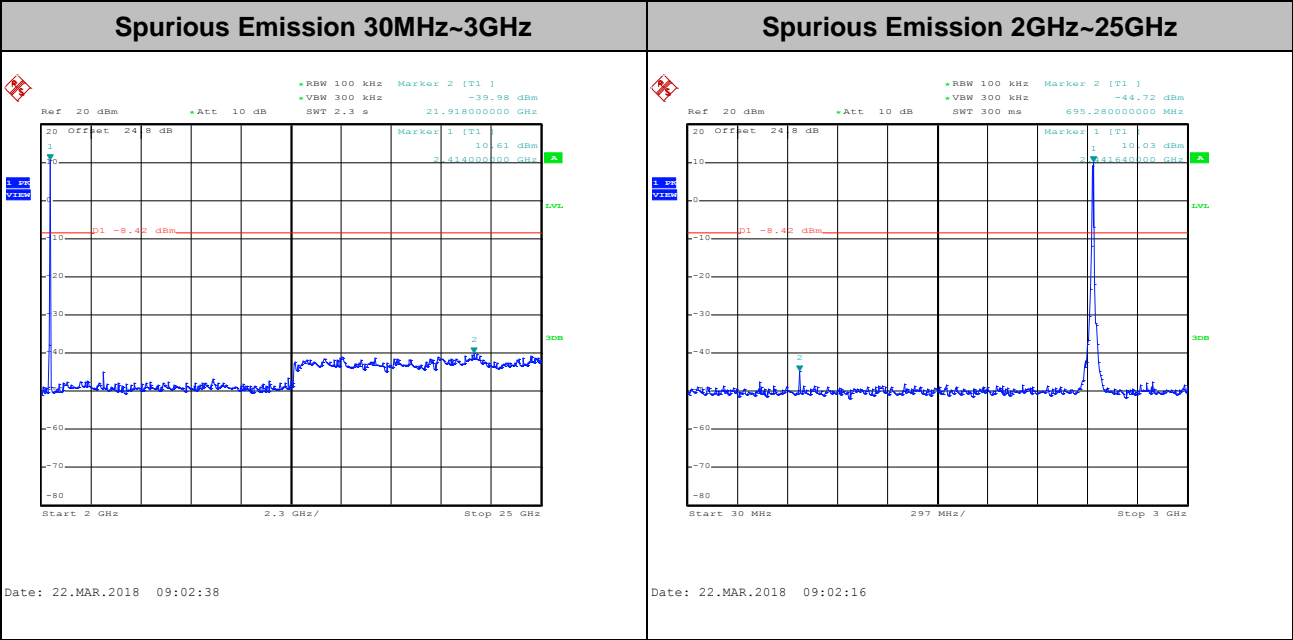
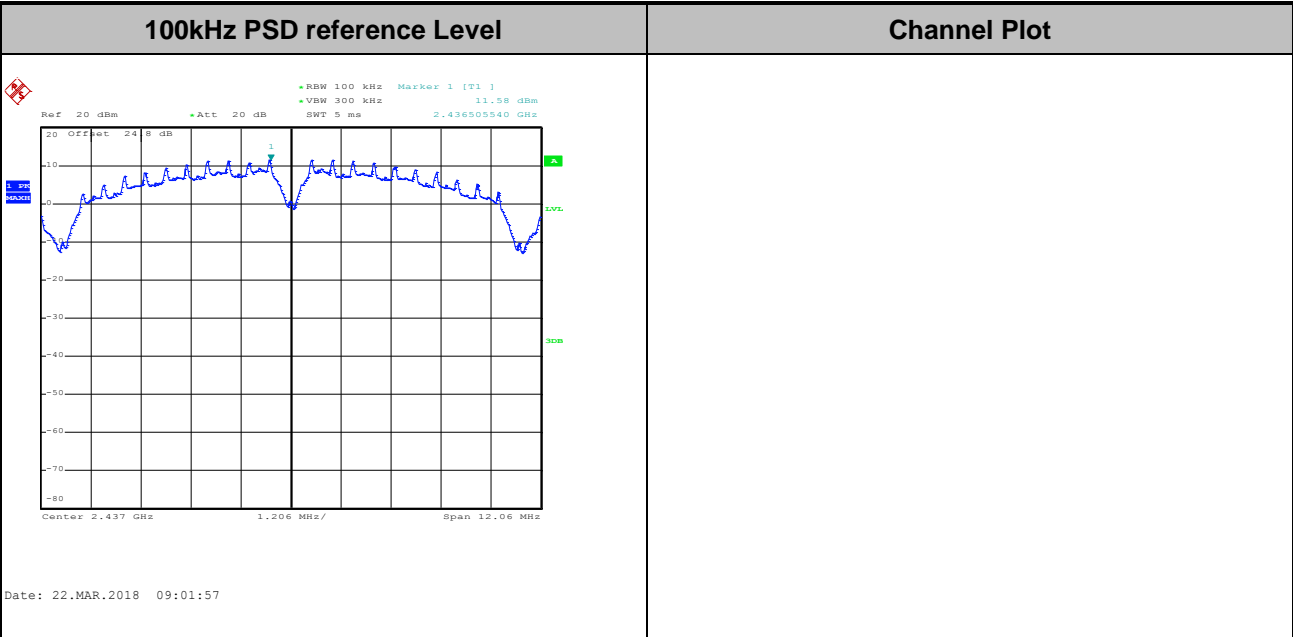
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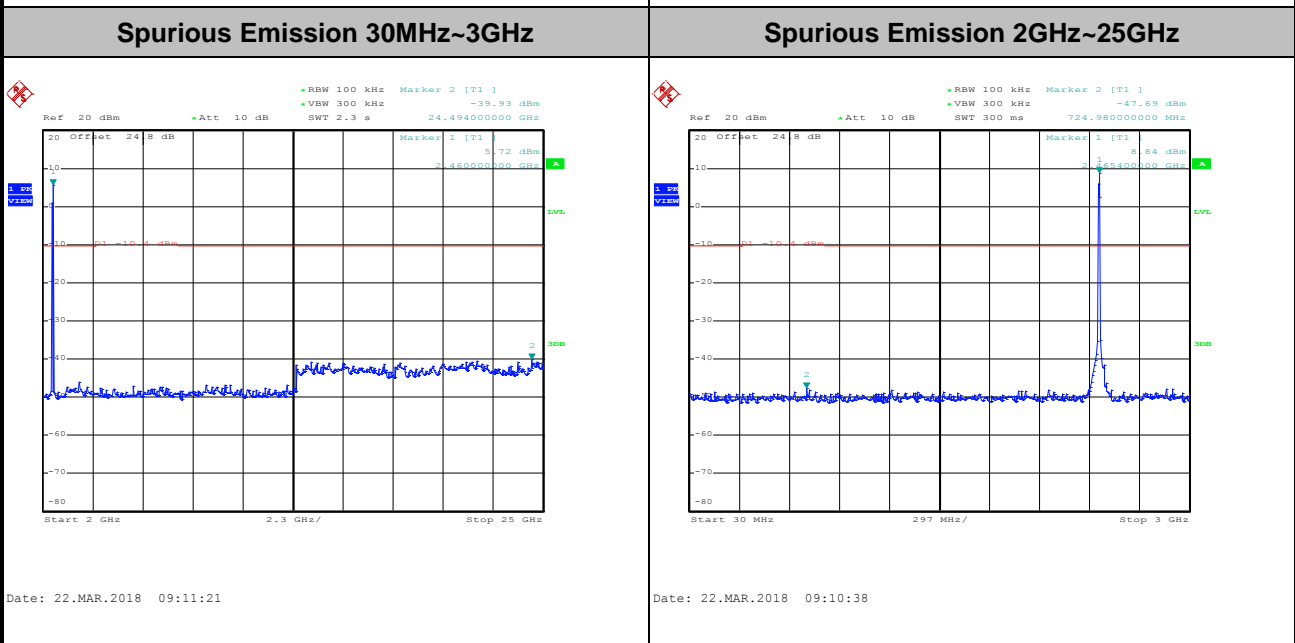
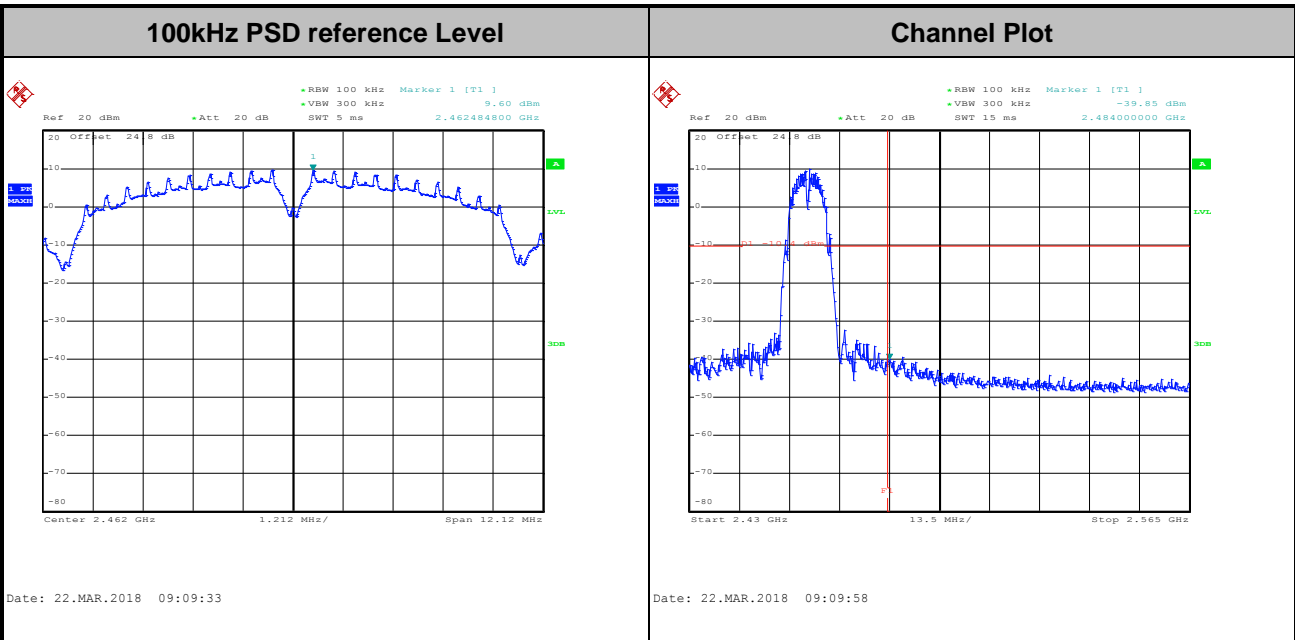


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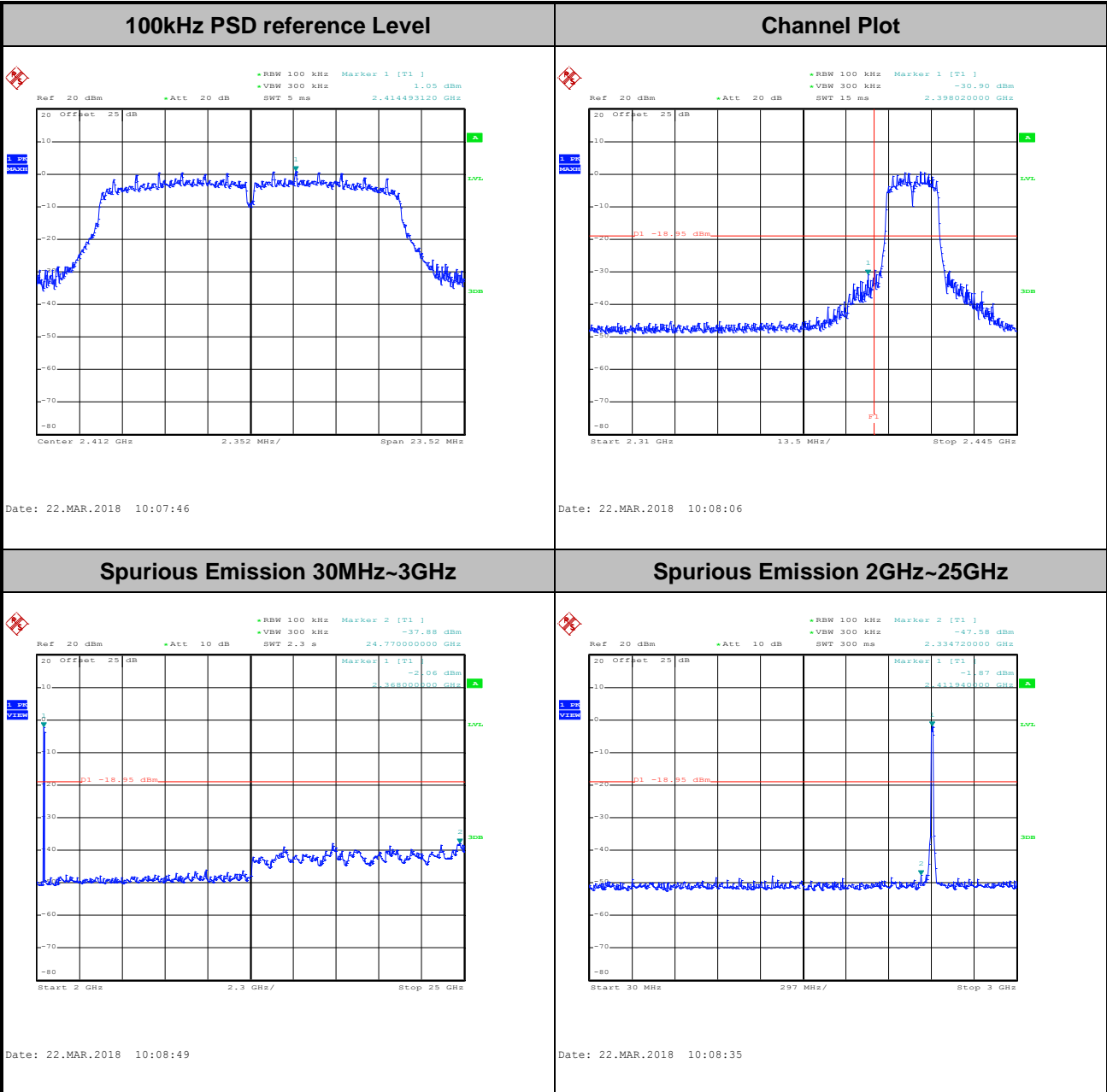
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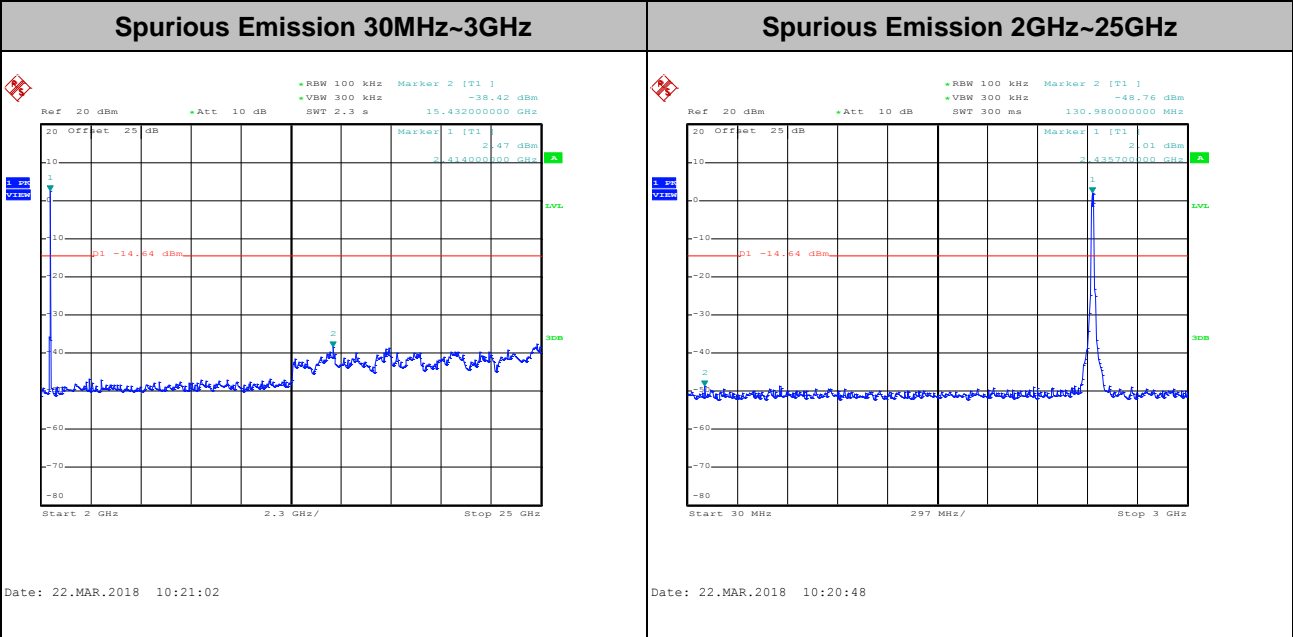
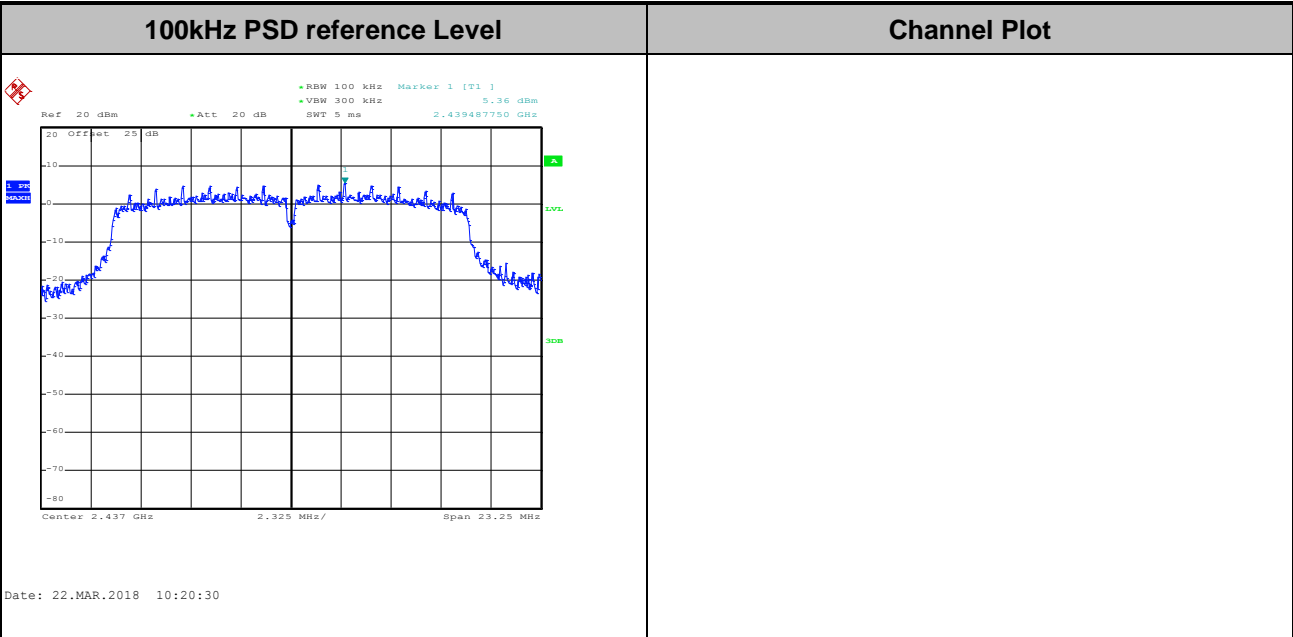
Number of TX = 2, Ant. 1 (Measured)

Test Mode :	802.11g	Test Channel :	01
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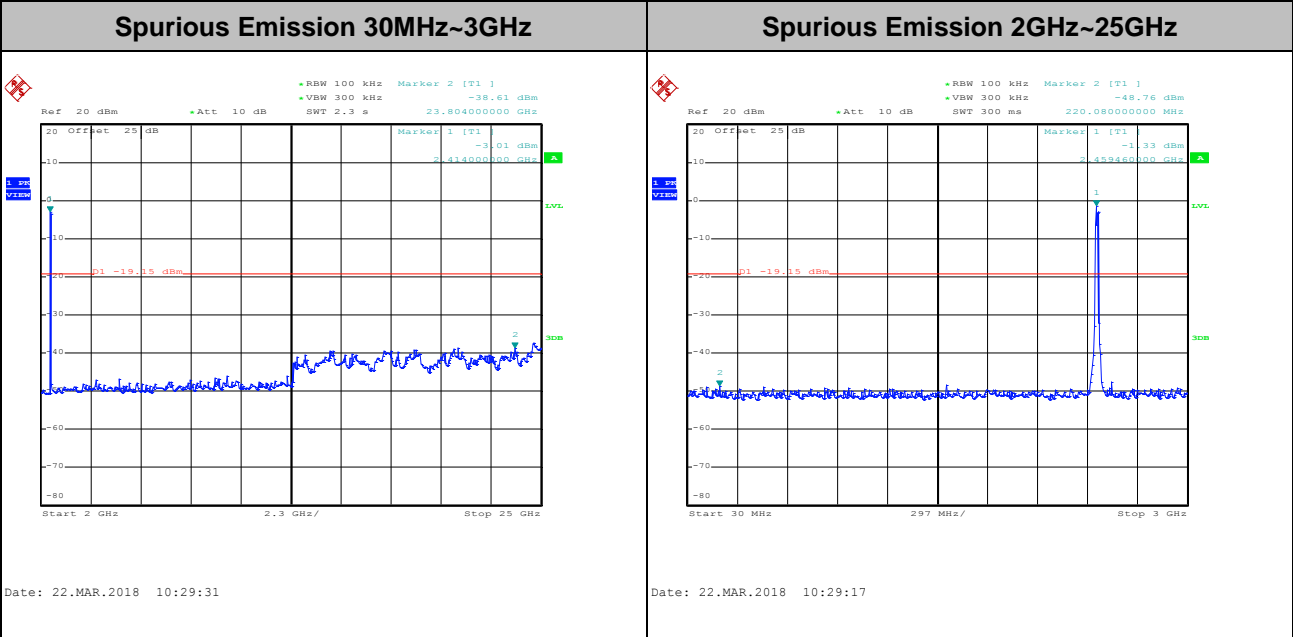
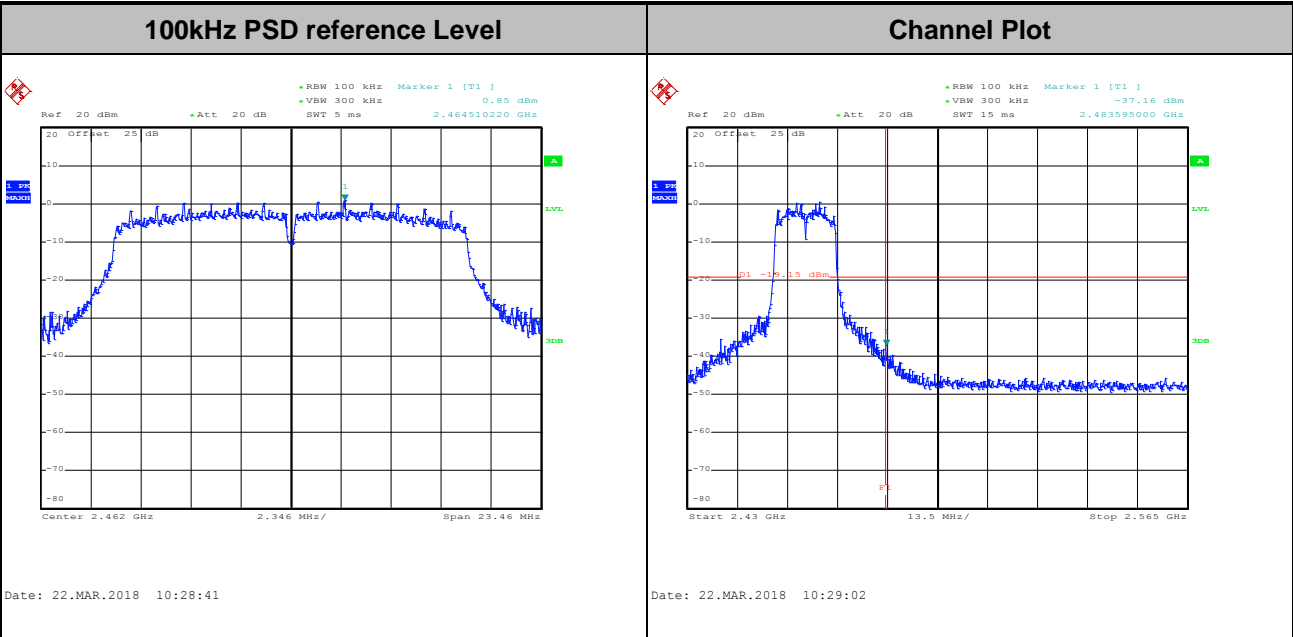


Test Mode :	802.11g	Test Channel :	06
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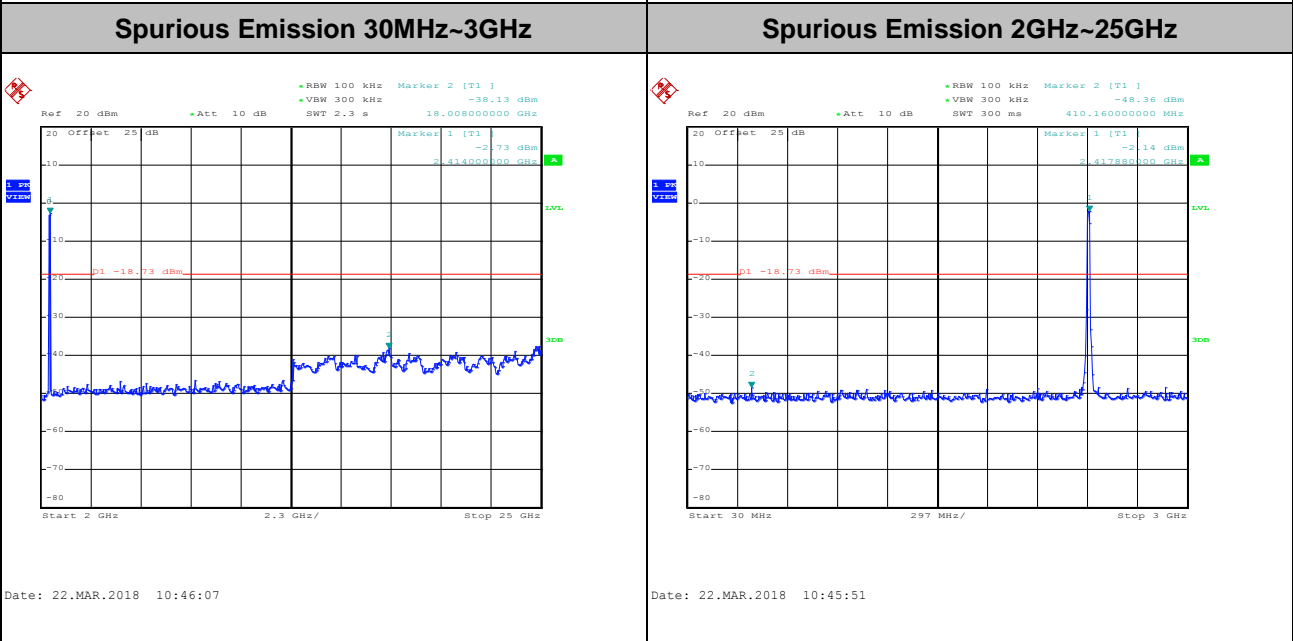
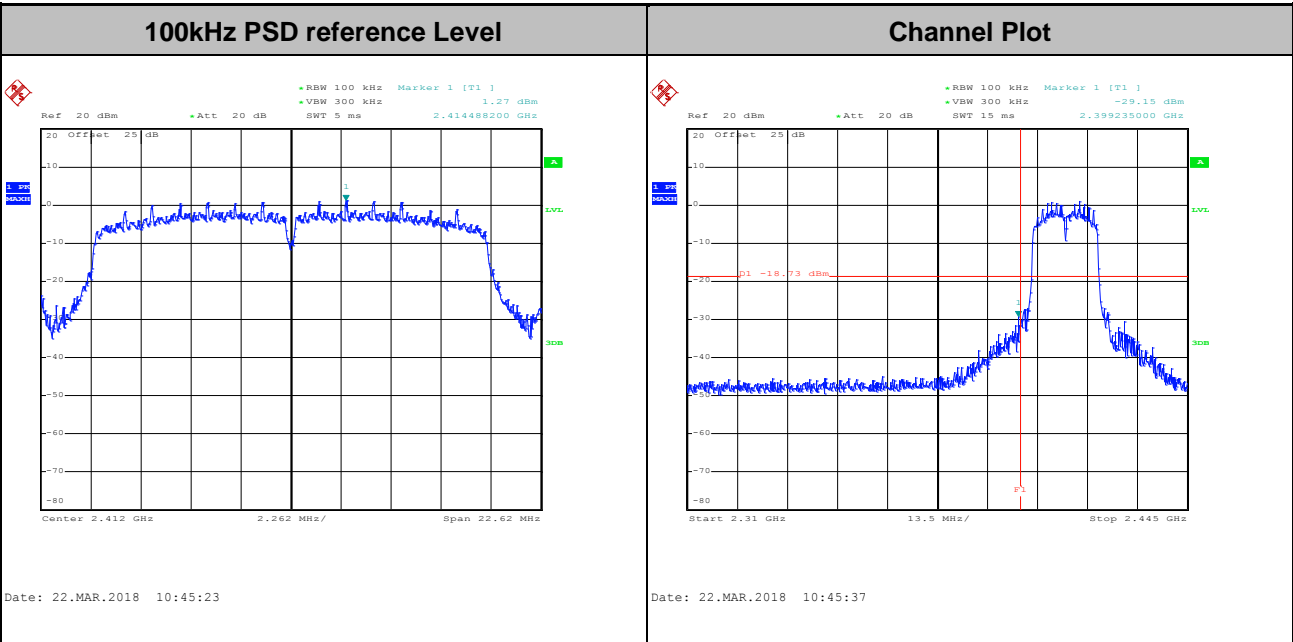


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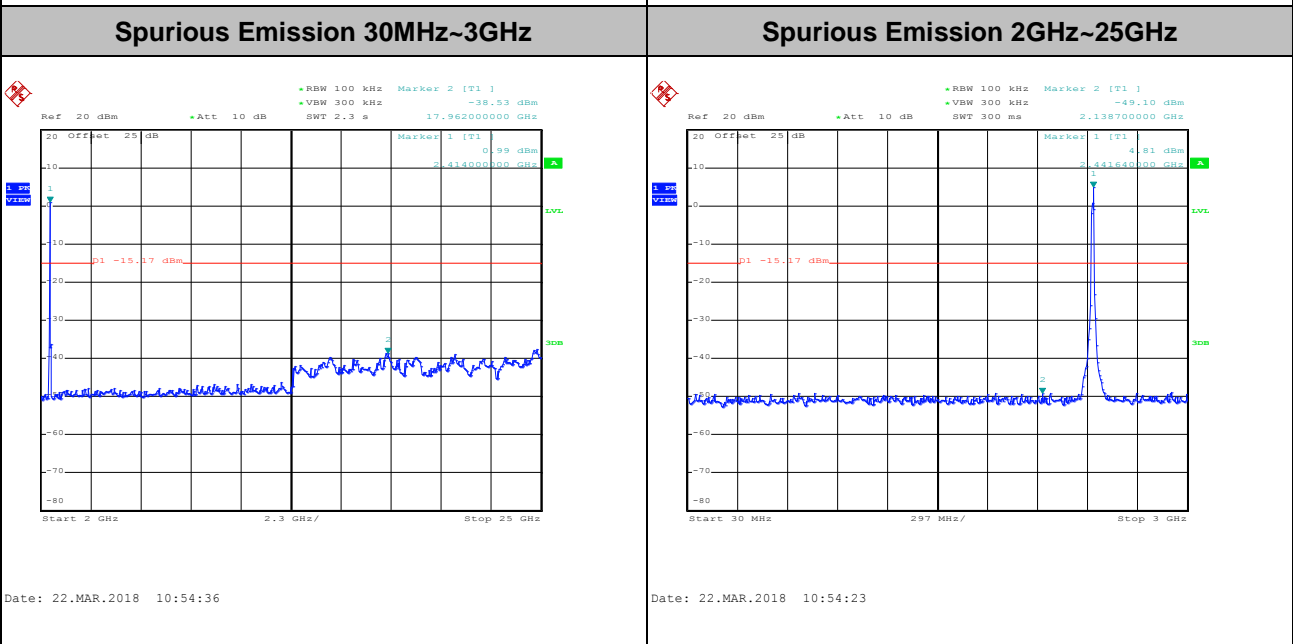
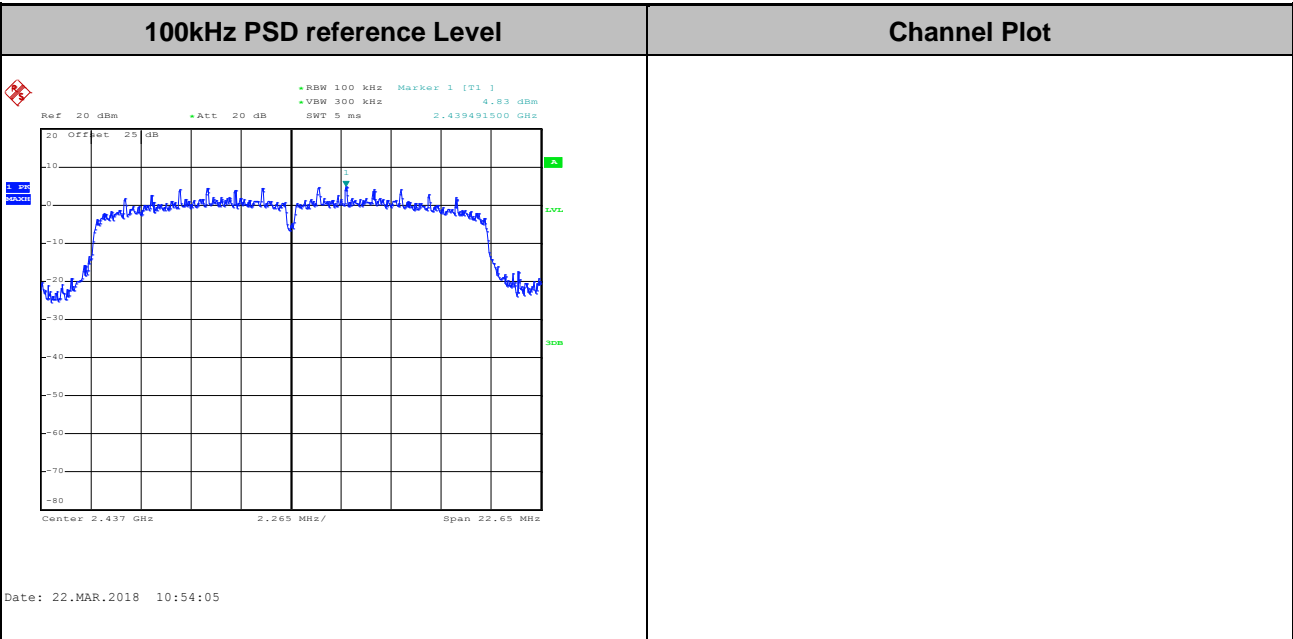


Test Mode :	802.11n HT20	Test Channel :	01
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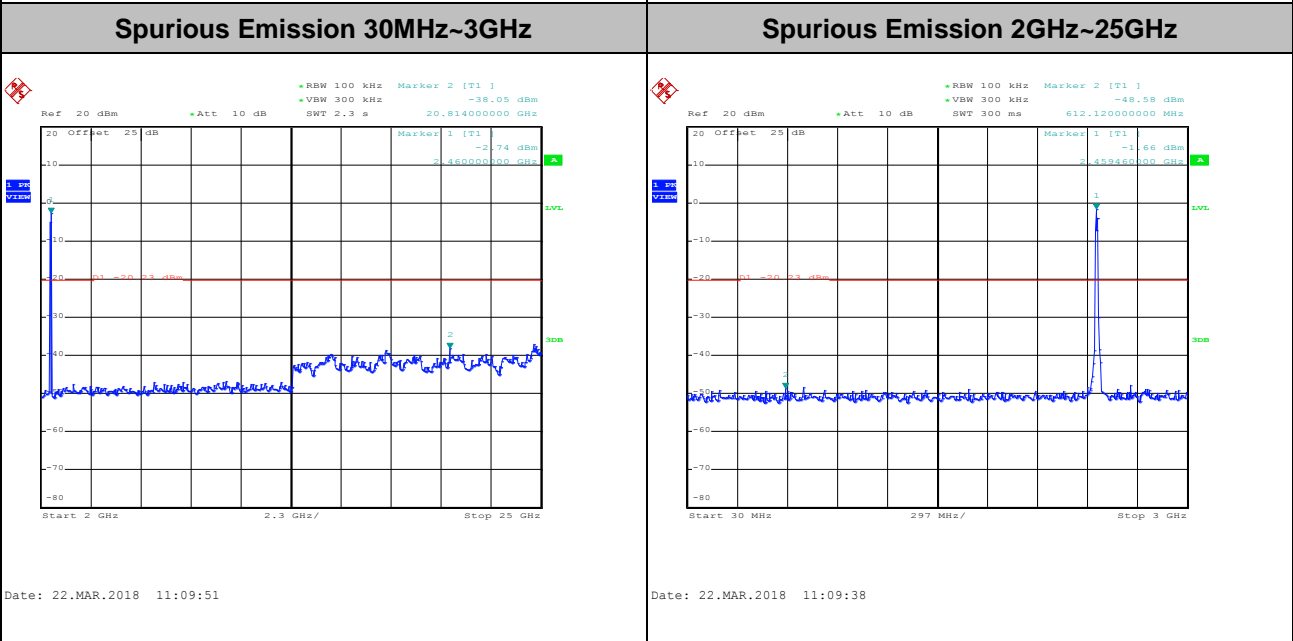
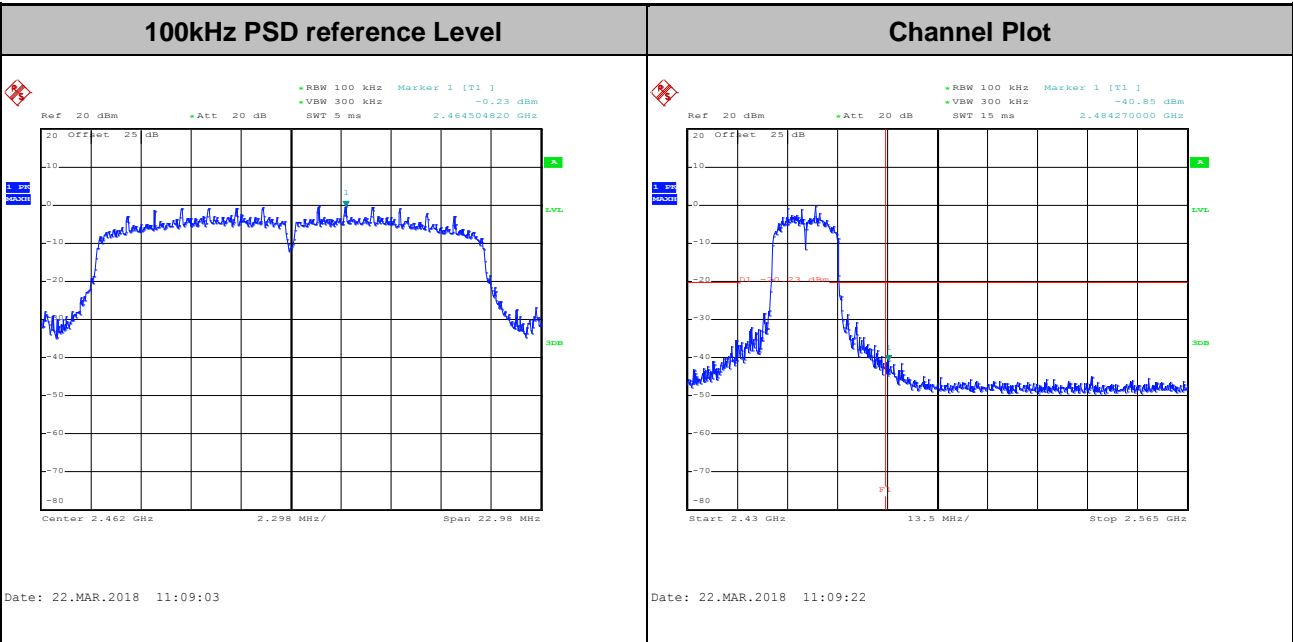


Test Mode :	802.11n HT20	Test Channel :	06
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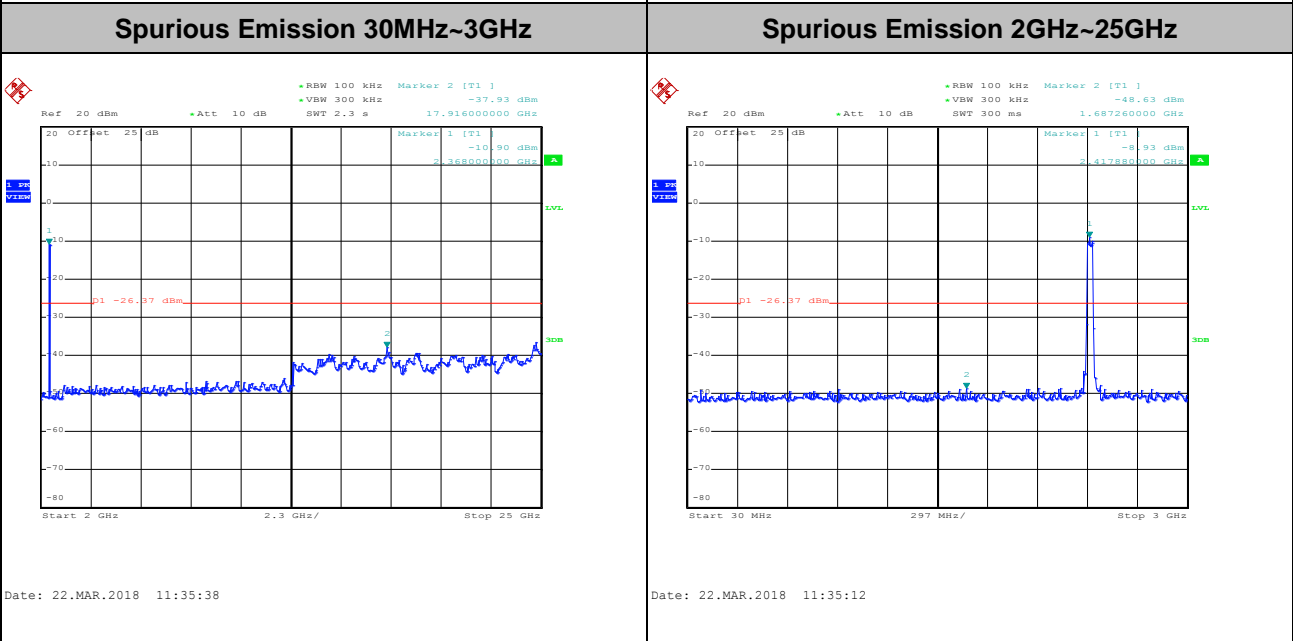
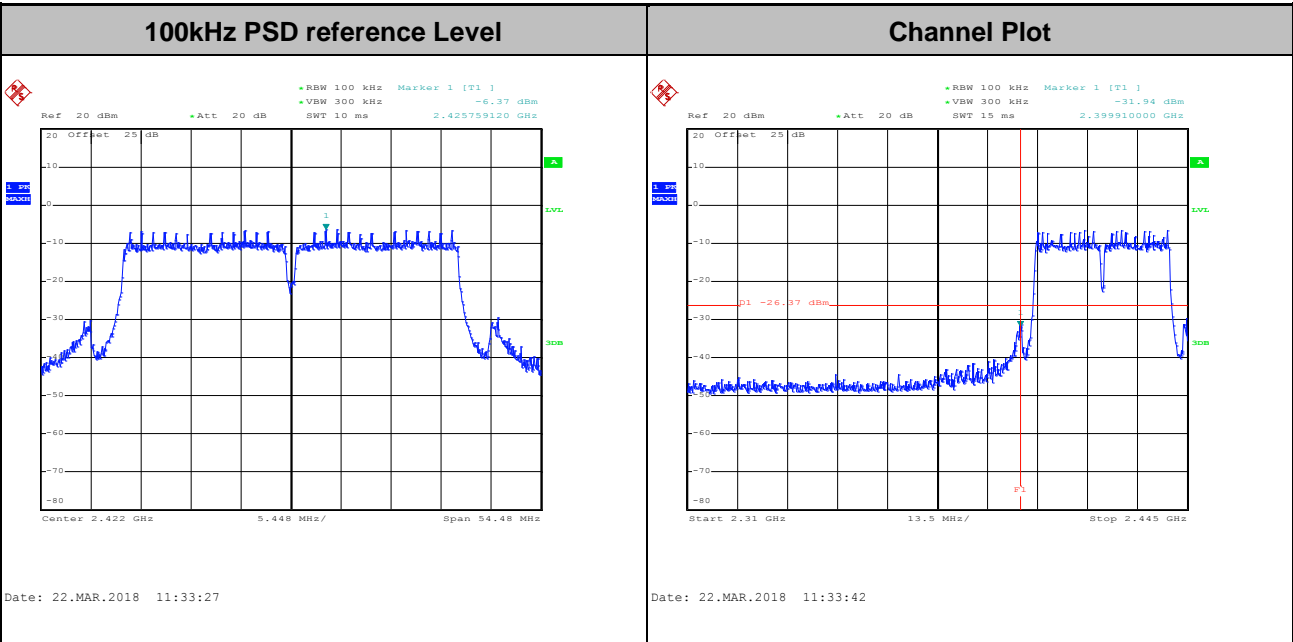


Test Mode : 802.11n HT20 Test Channel : 11



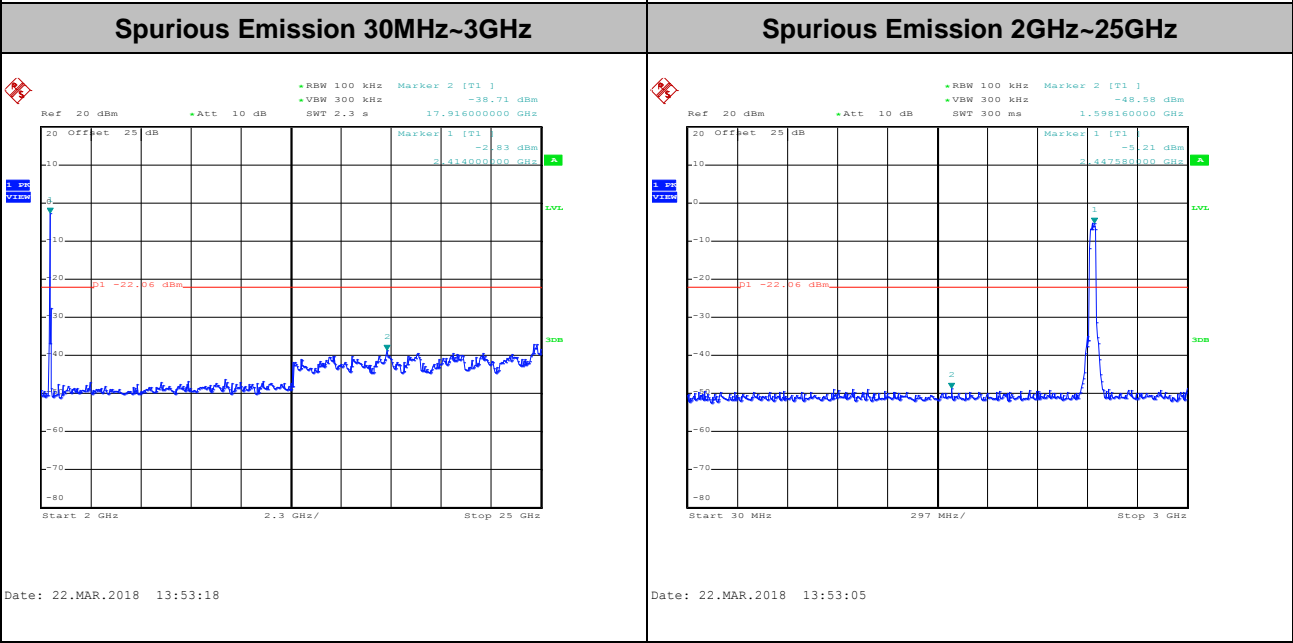
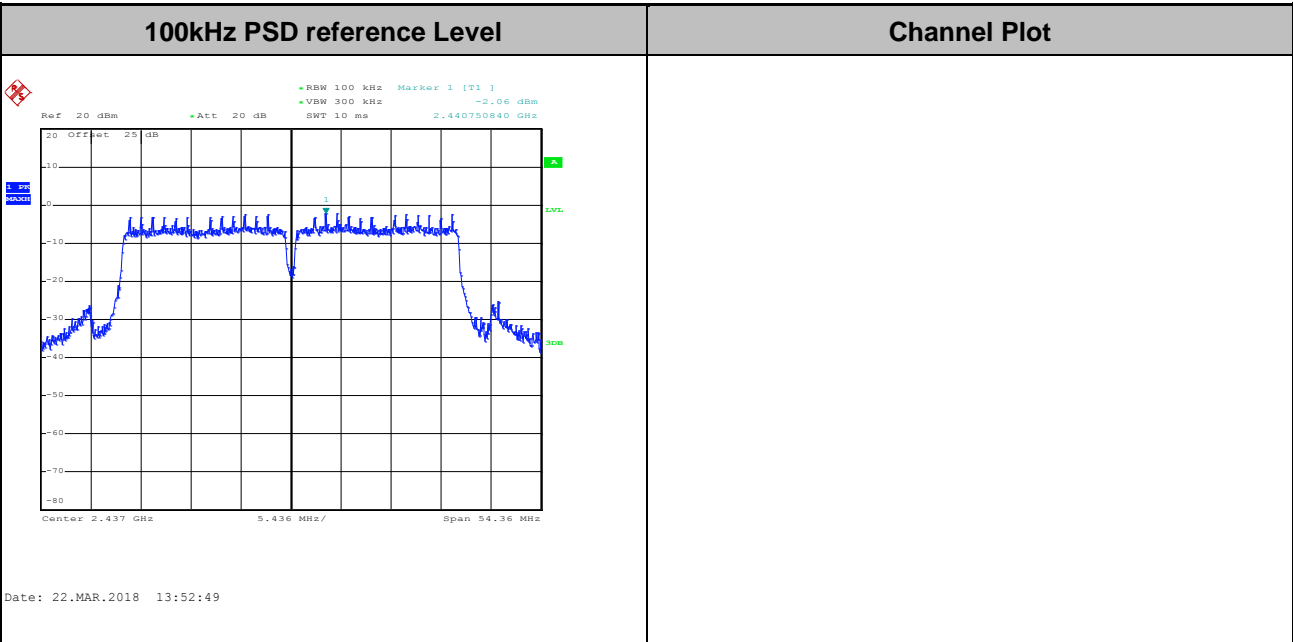


Test Mode : 802.11n HT40 Test Channel : 03



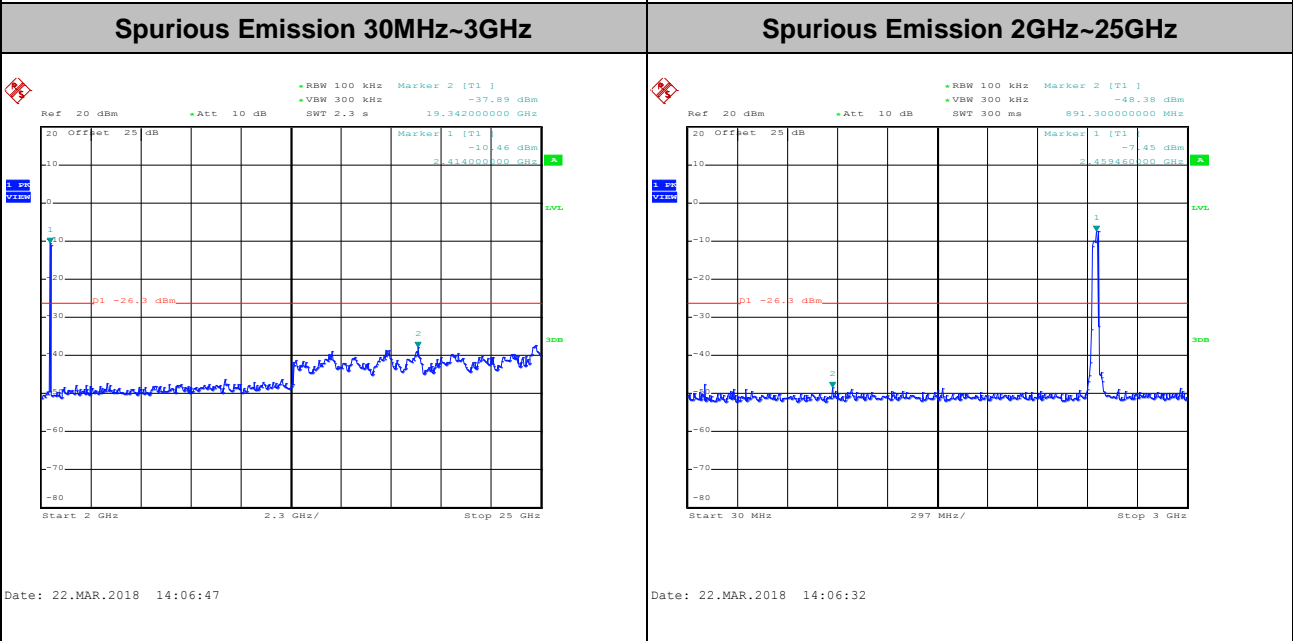
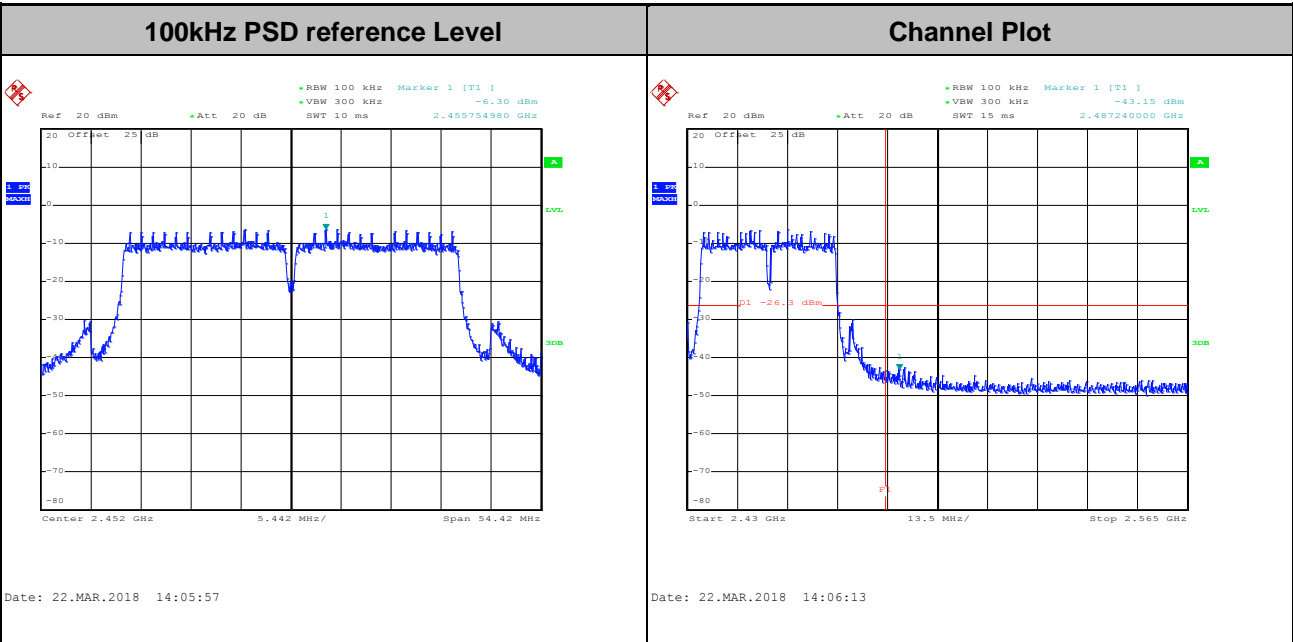


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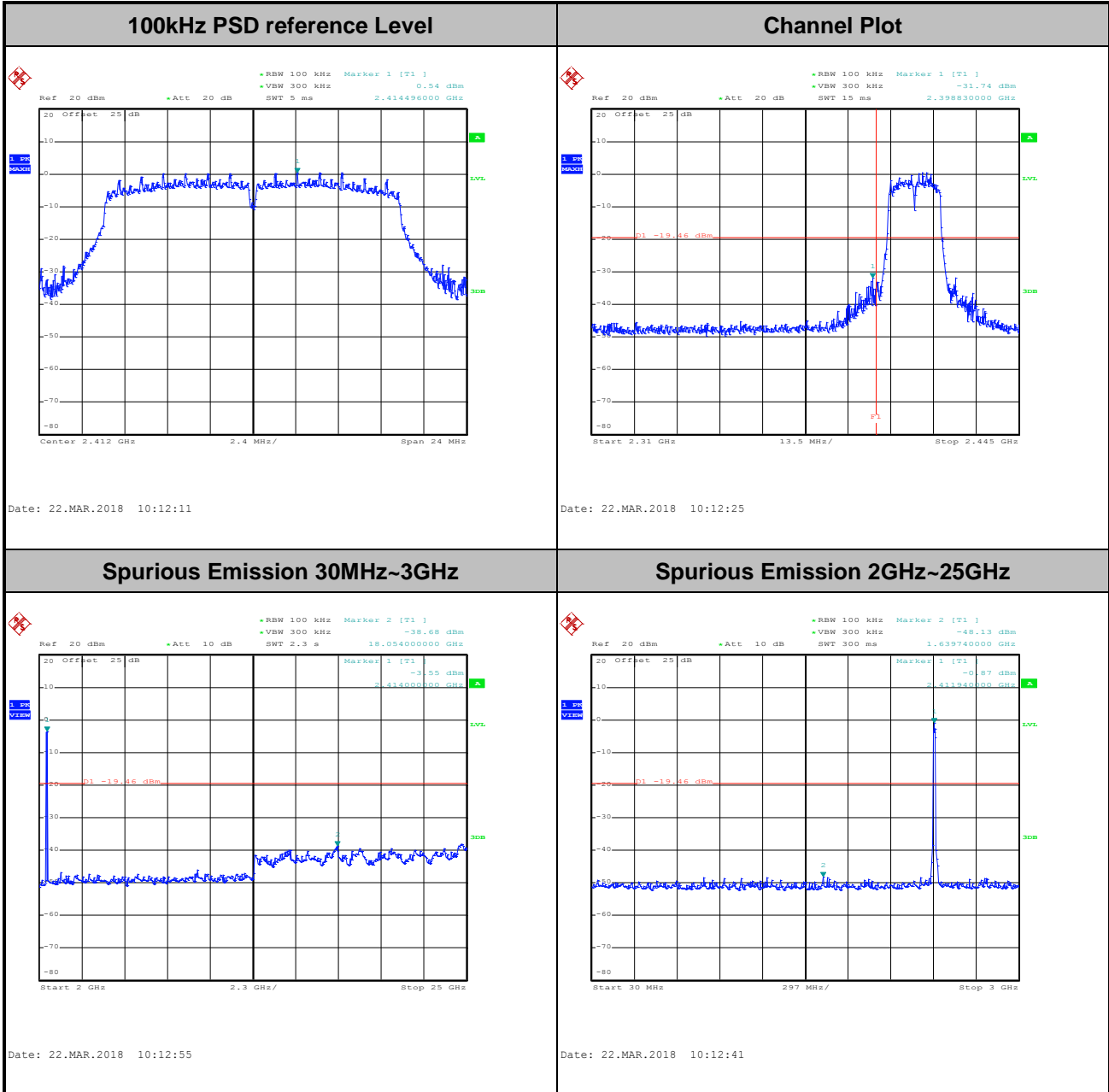
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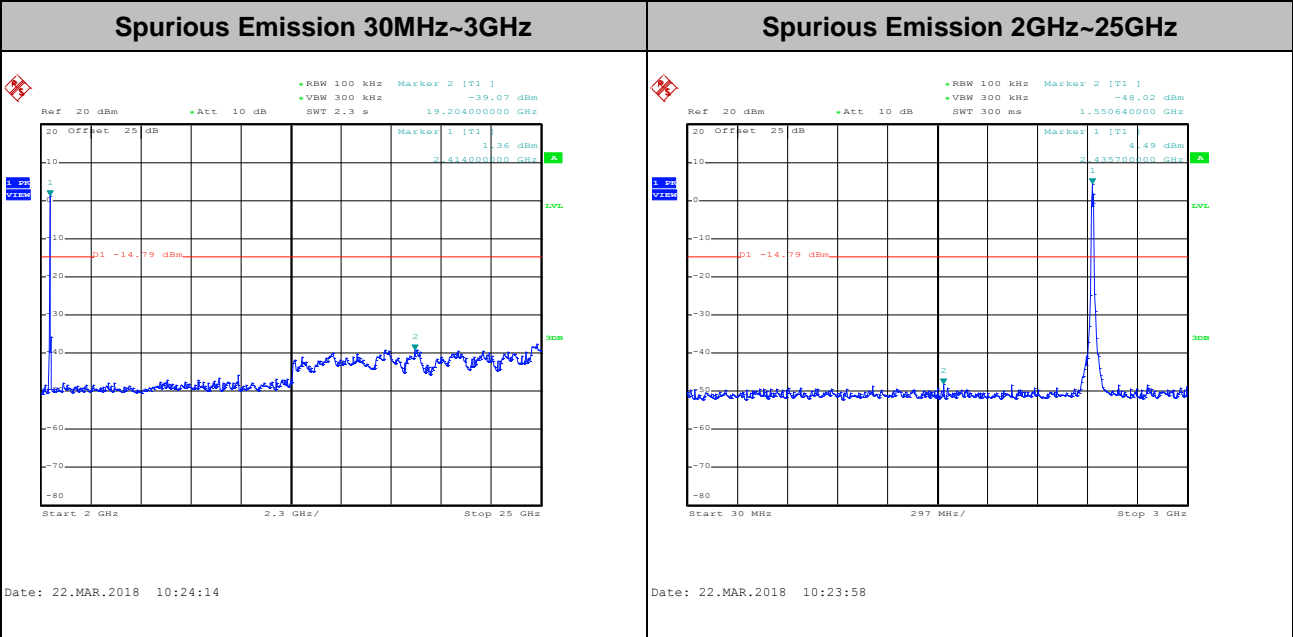
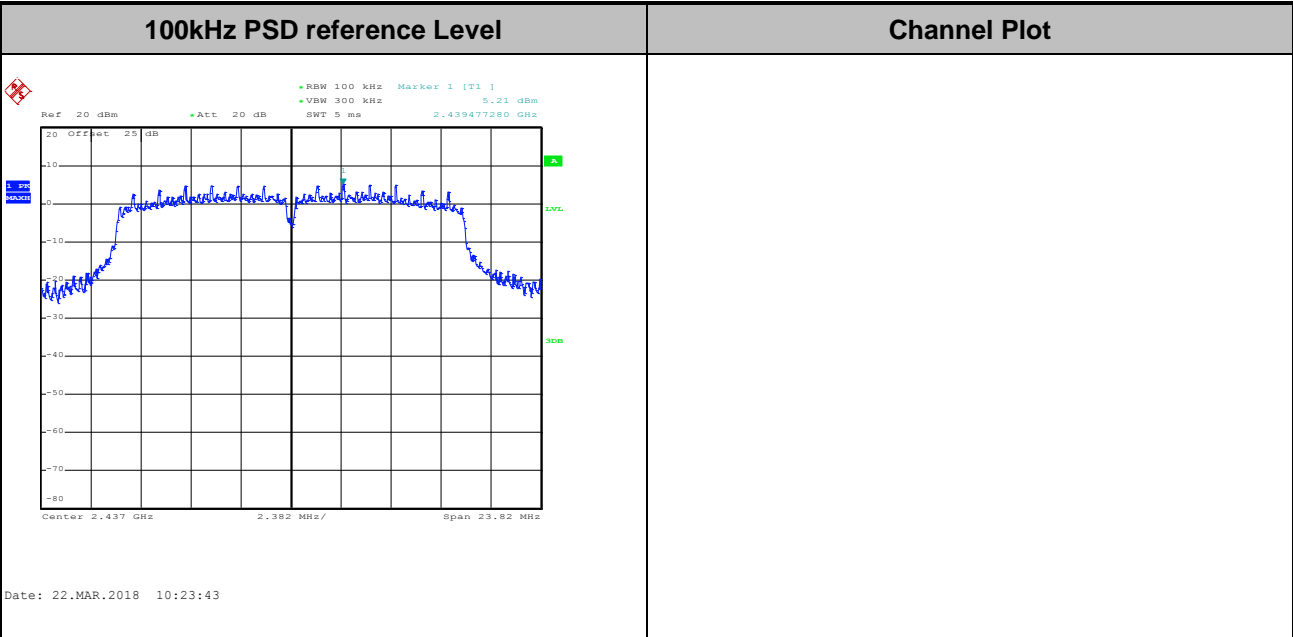
Number of TX = 2, Ant. 2 (Measured)

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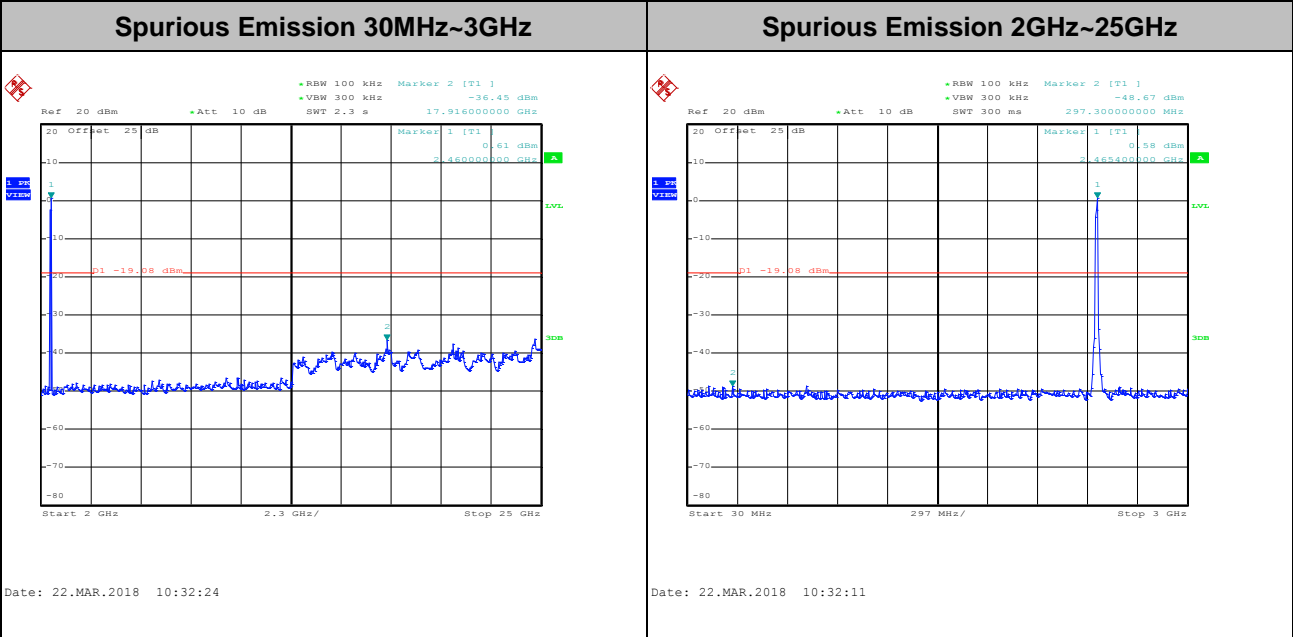
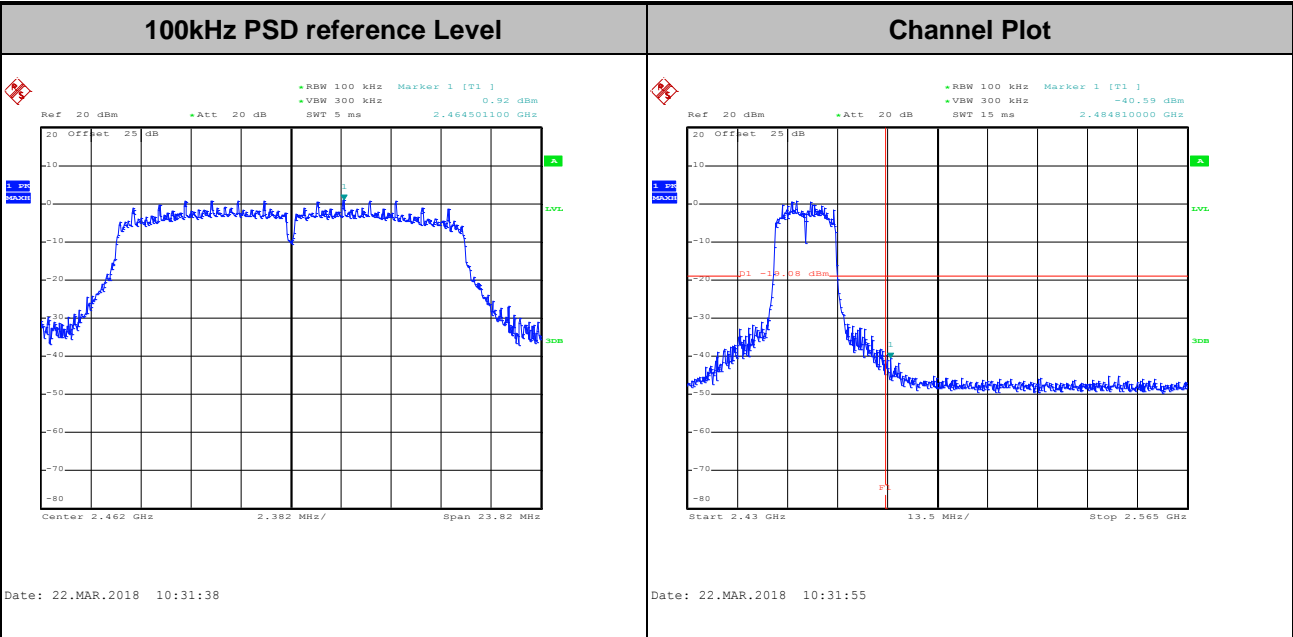


Test Mode :	802.11g	Test Channel :	06
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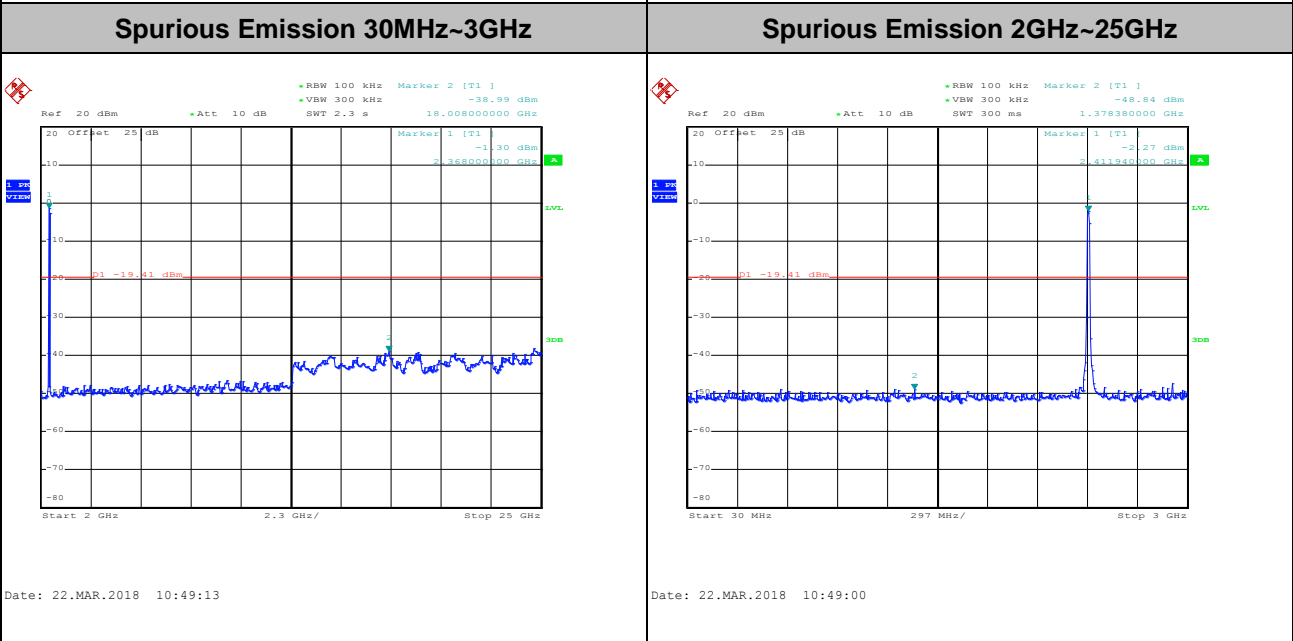
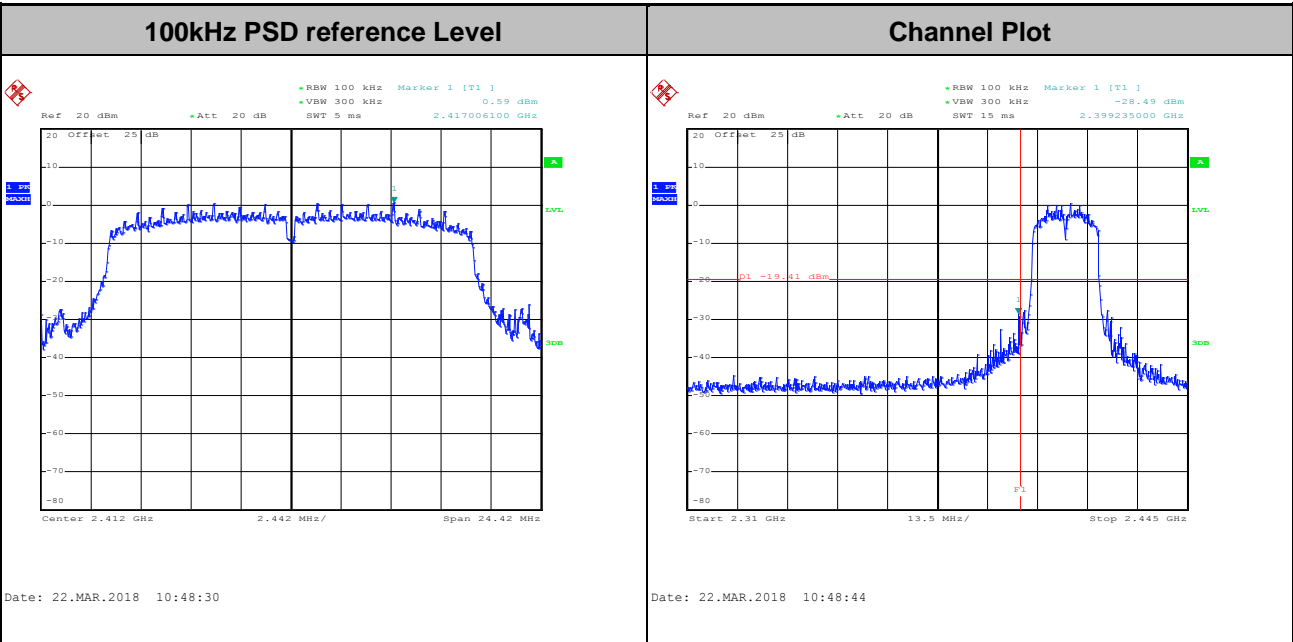


Test Mode :	802.11g	Test Channel :	11
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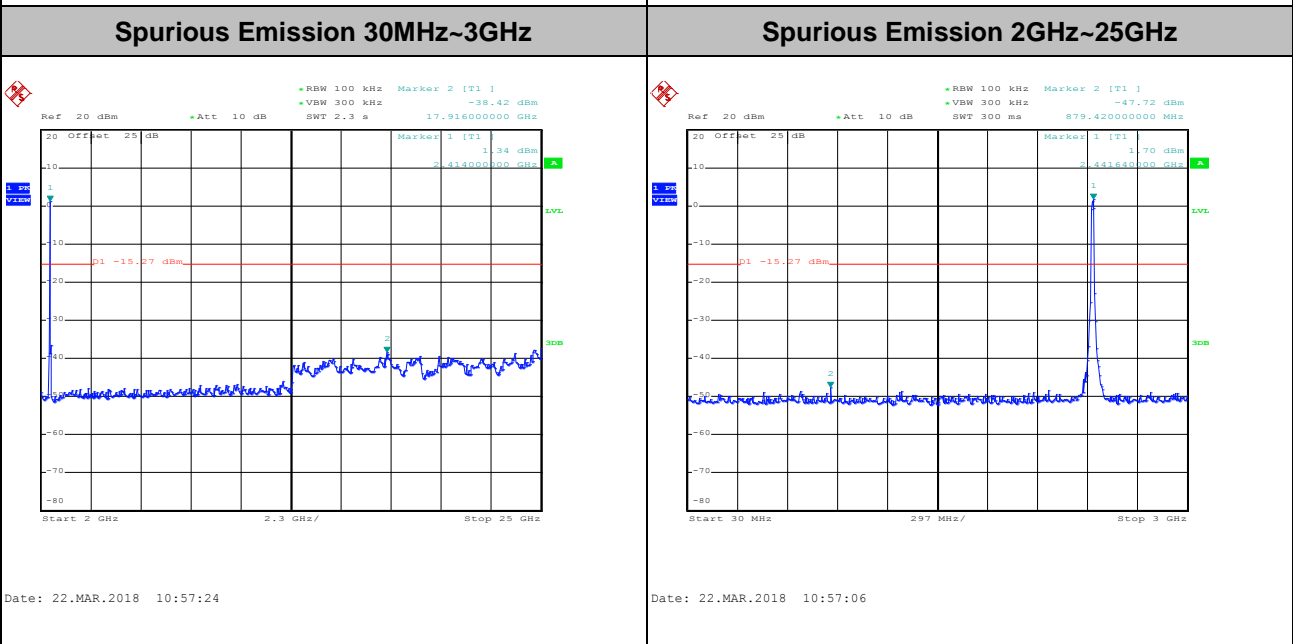
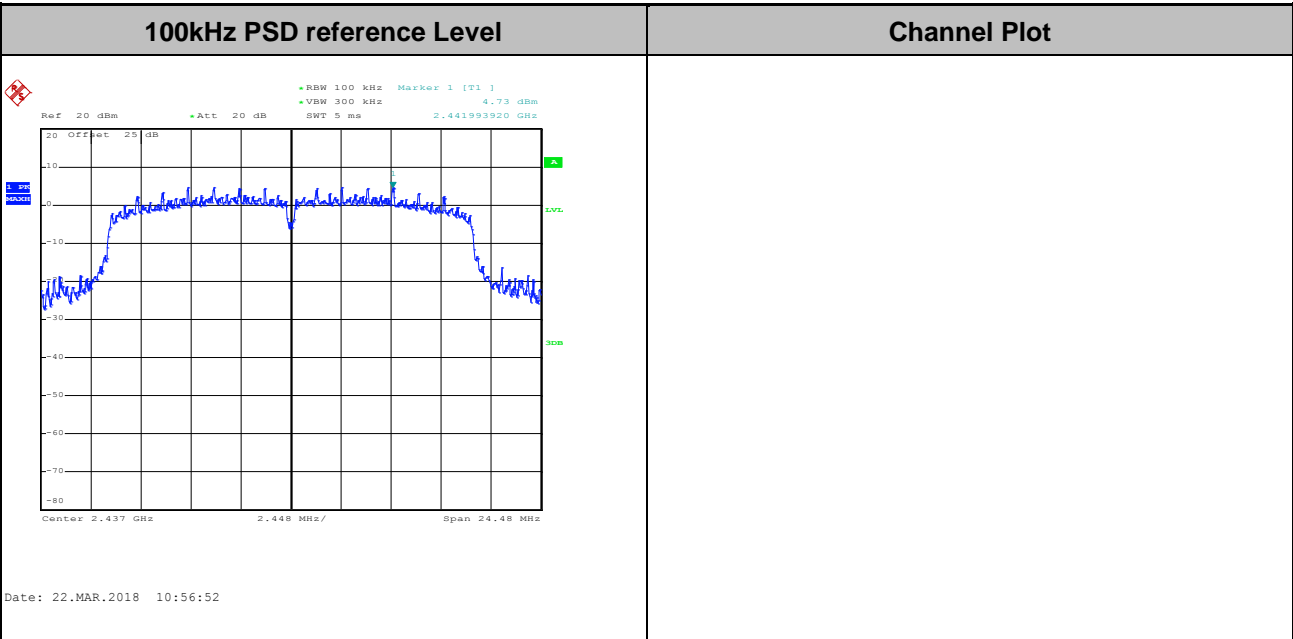


Test Mode :	802.11n HT20	Test Channel :	01
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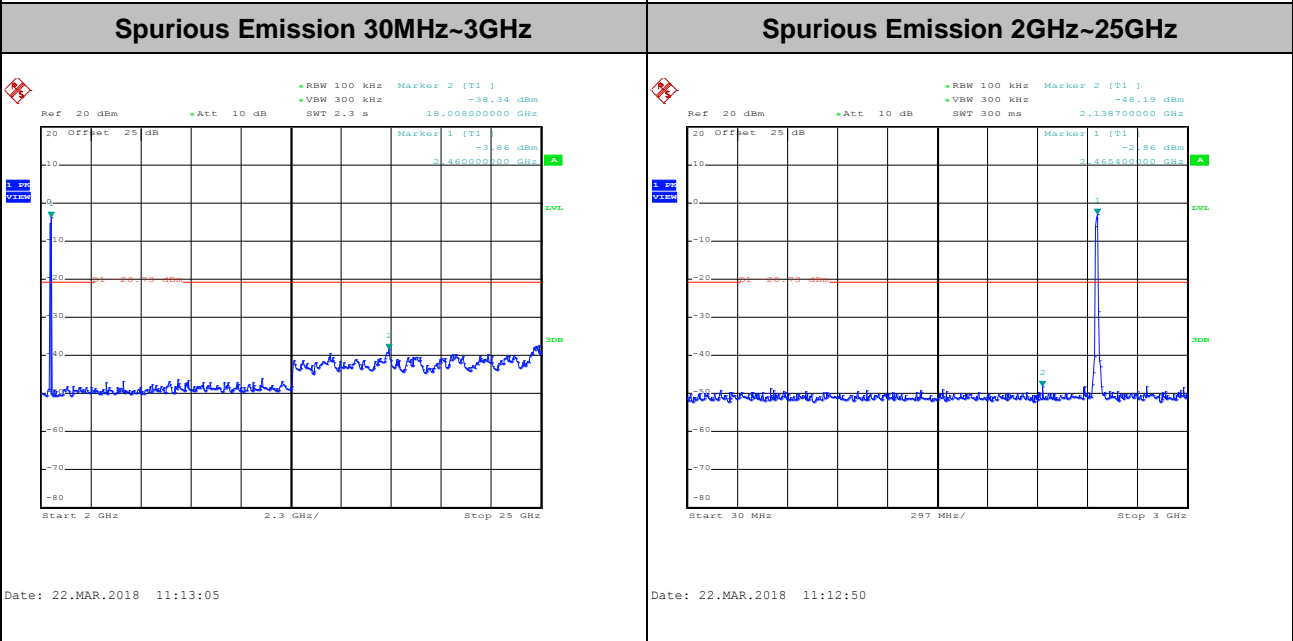
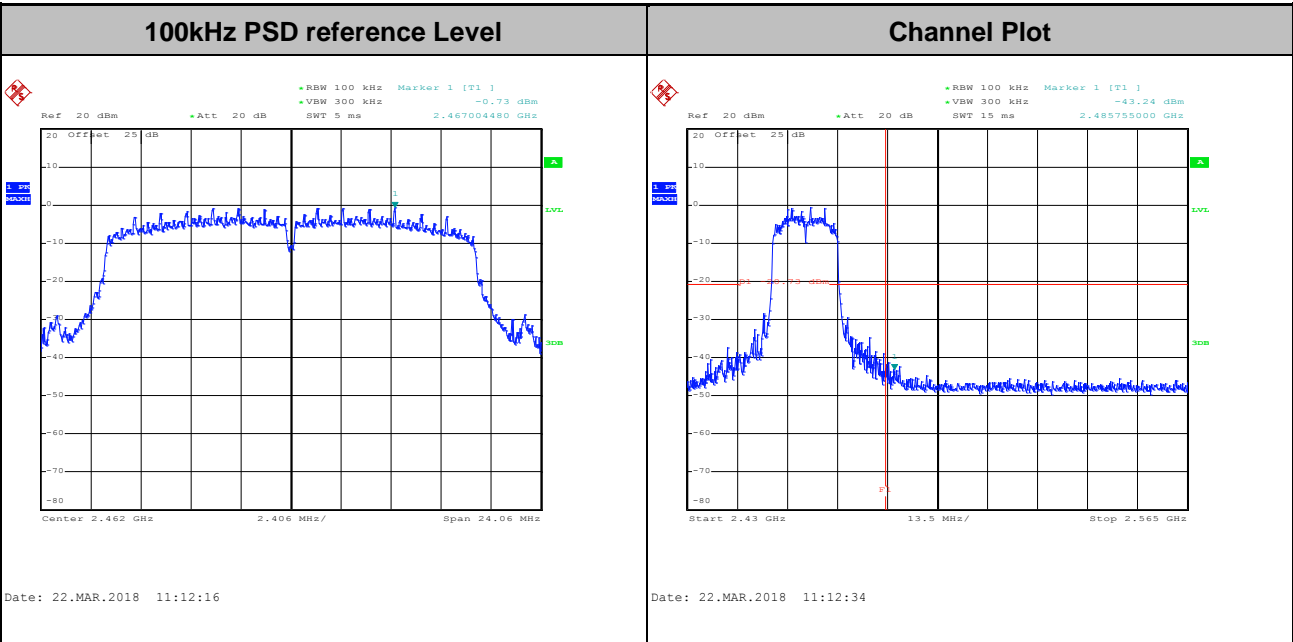


Test Mode :	802.11n HT20	Test Channel :	06
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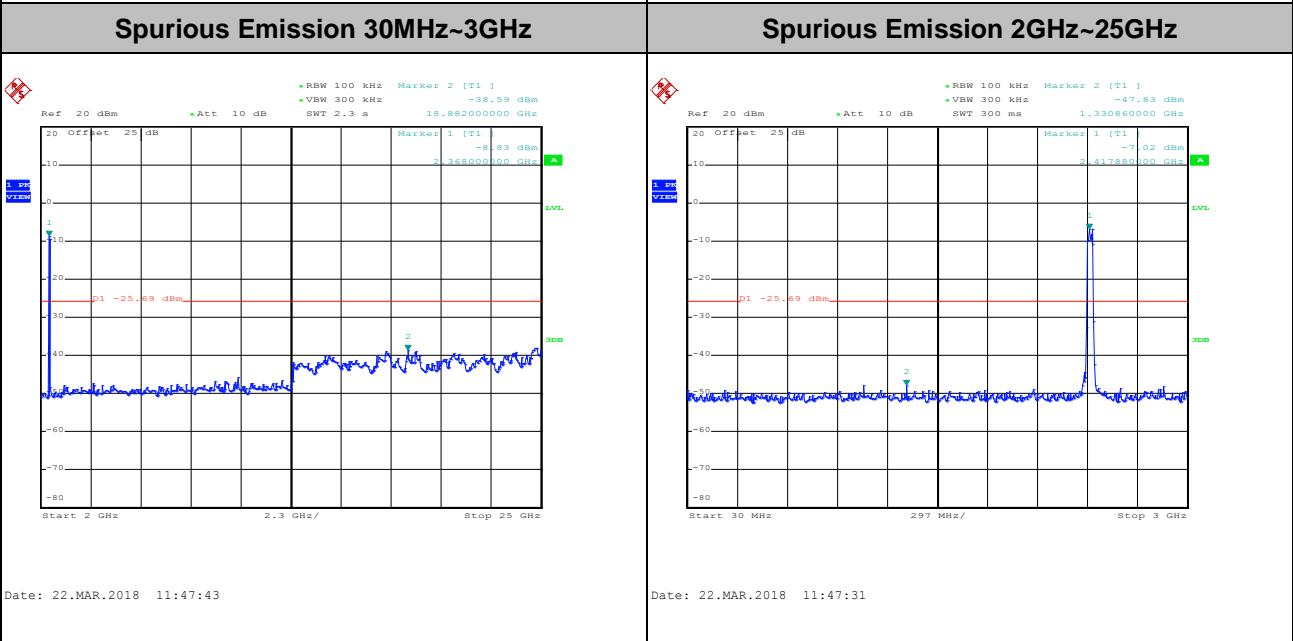
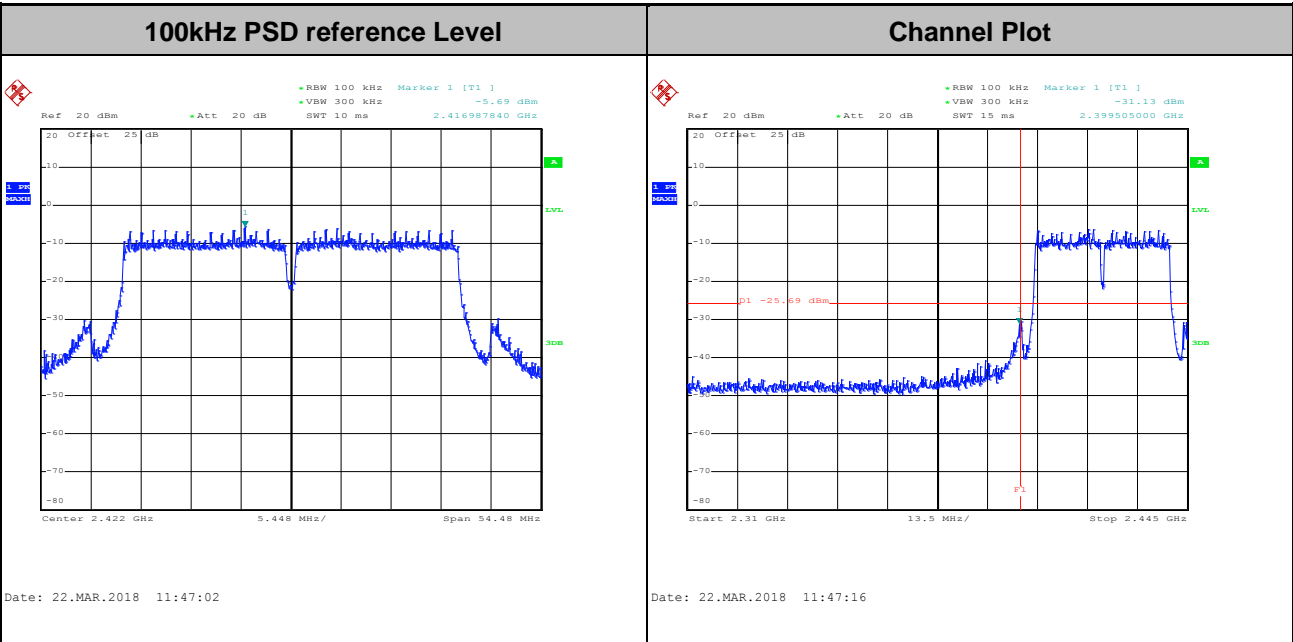


Test Mode :	802.11n HT20	Test Channel :	11
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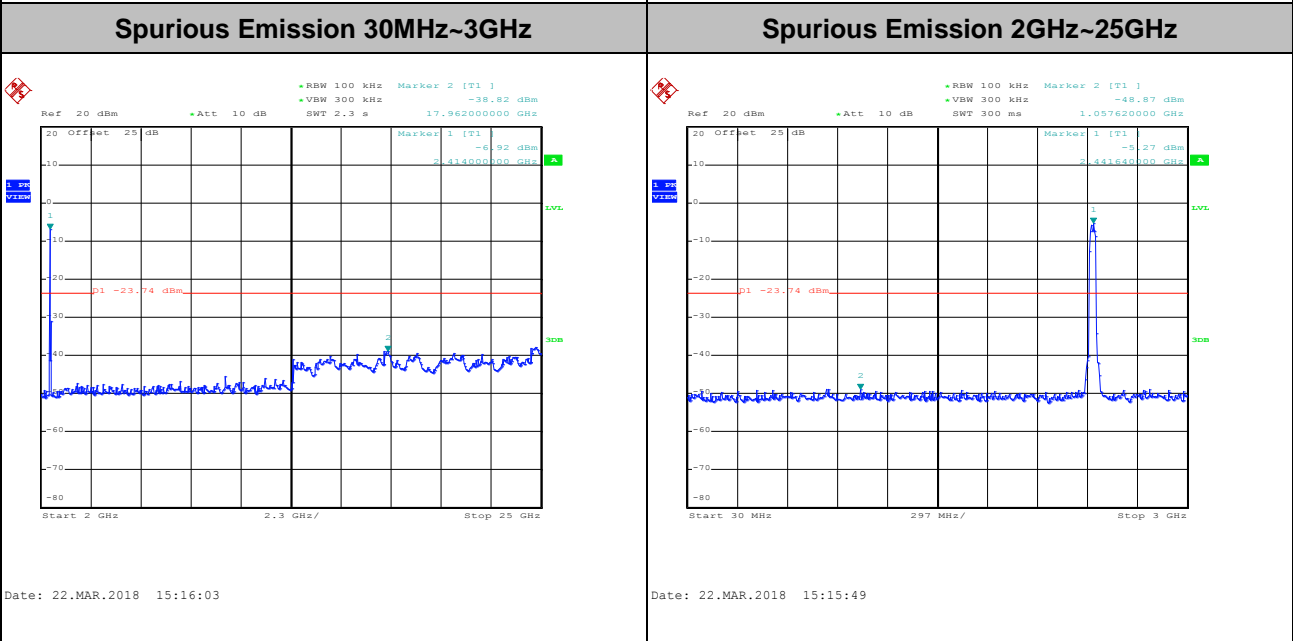
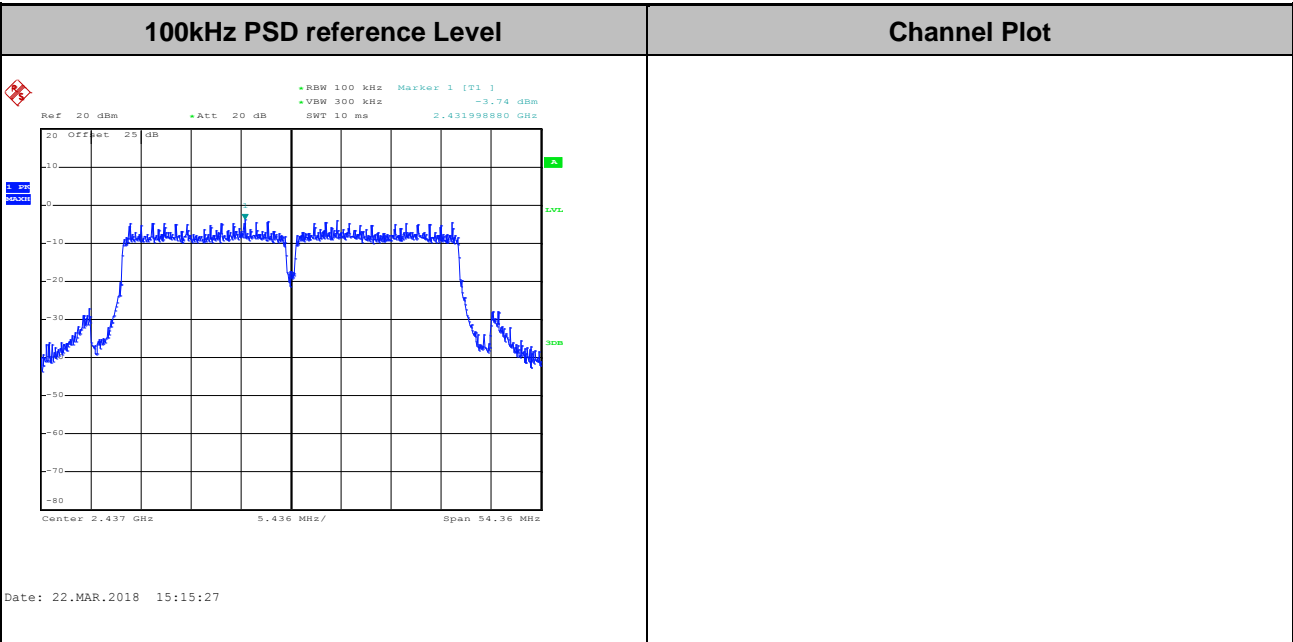


Test Mode :	802.11n HT40	Test Channel :	03
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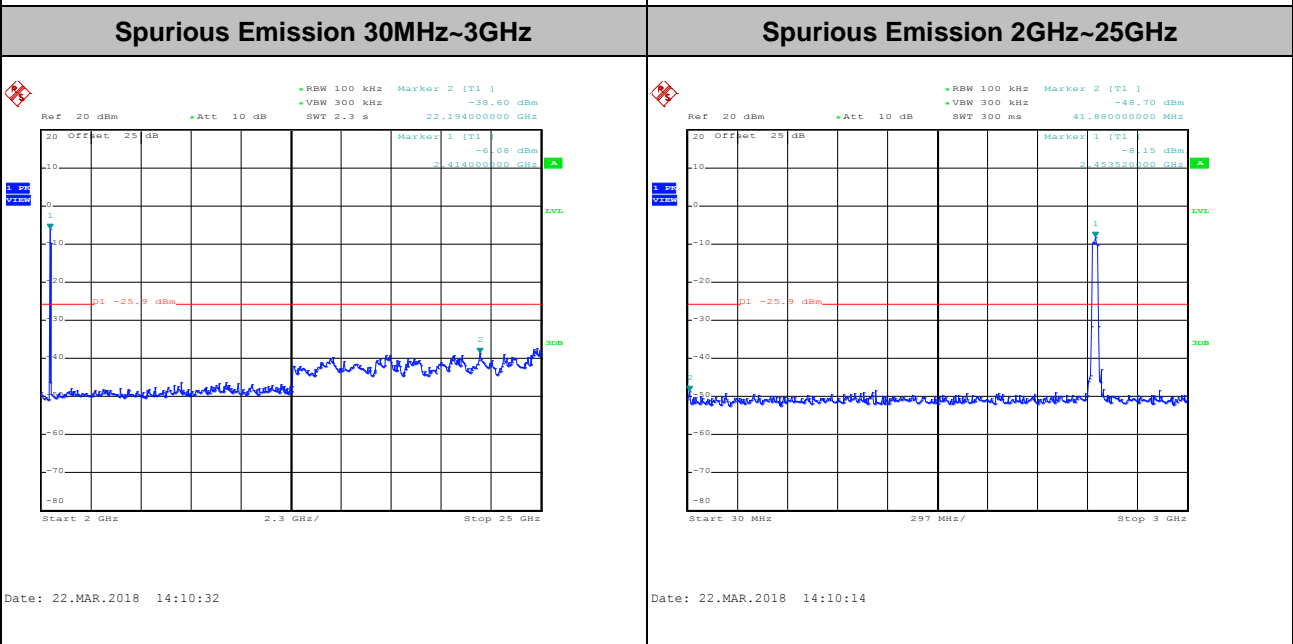
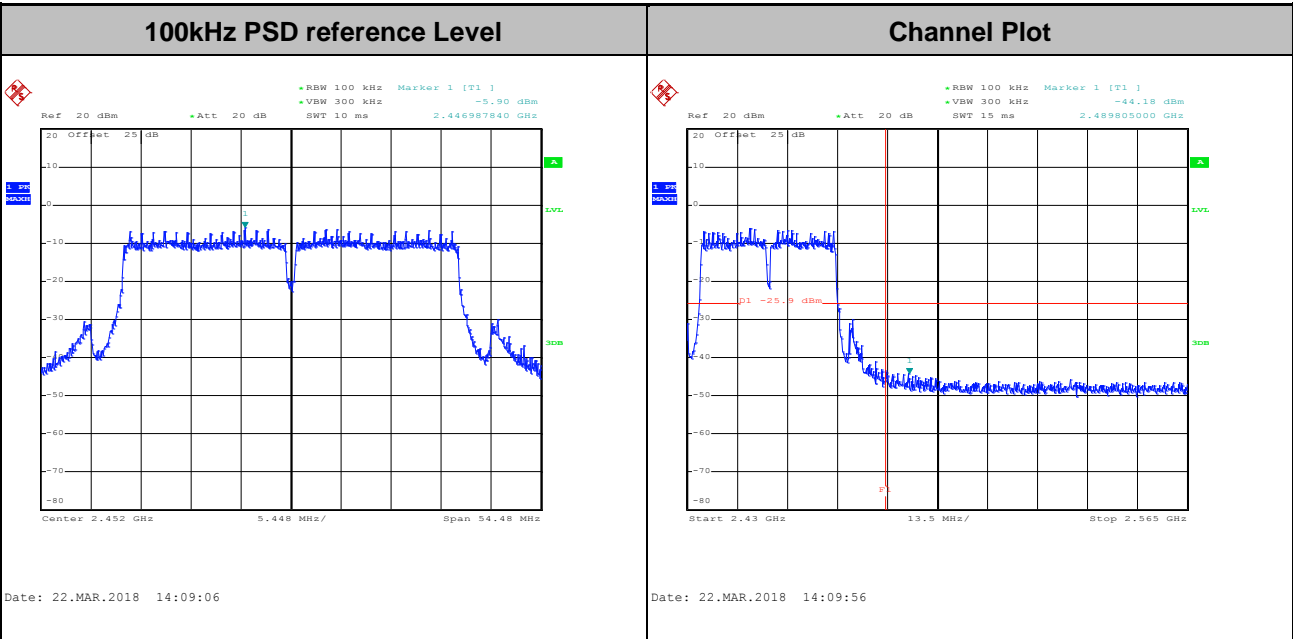


Test Mode :	802.11n HT40	Test Channel :	06
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Test Mode :	802.11n HT40	Test Channel :	09
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3.5 Radiated Band Edges and Spurious Emission Measurement

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.

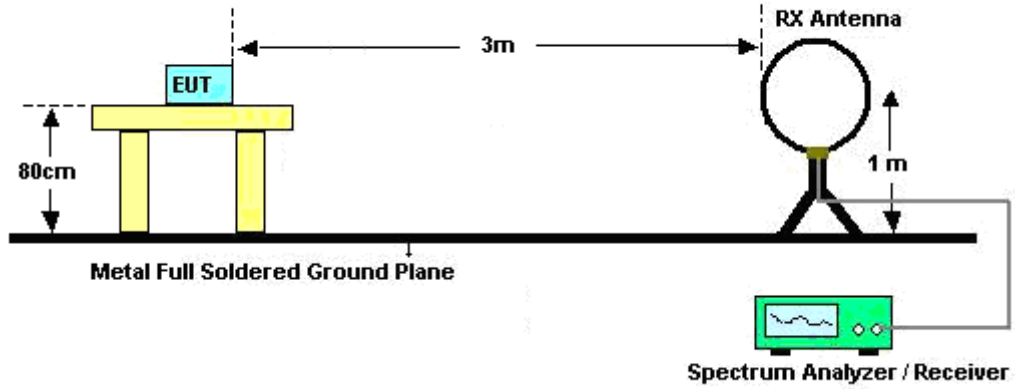


3.5.3 Test Procedures

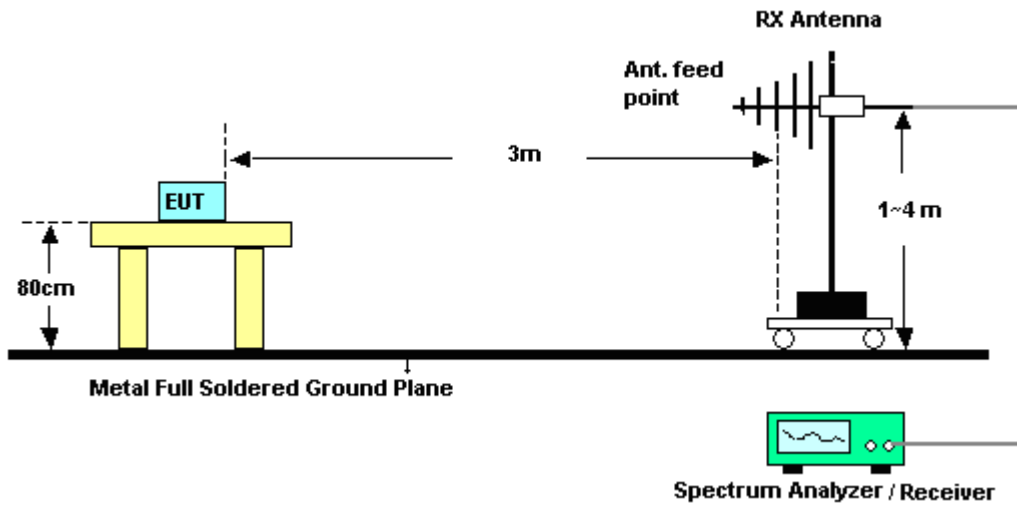
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test 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 testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. 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

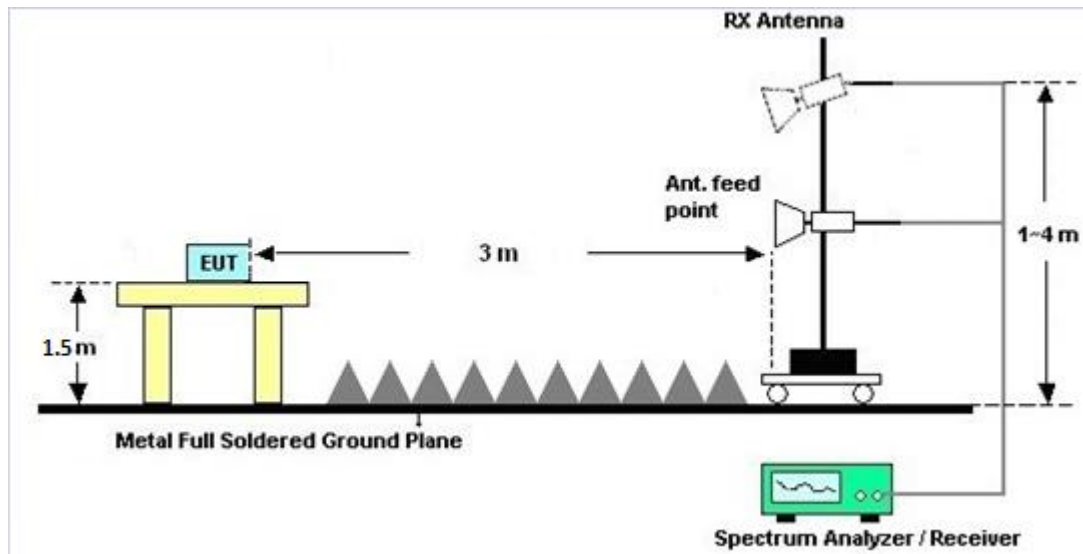
For radiated emissions below 30MHz



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.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

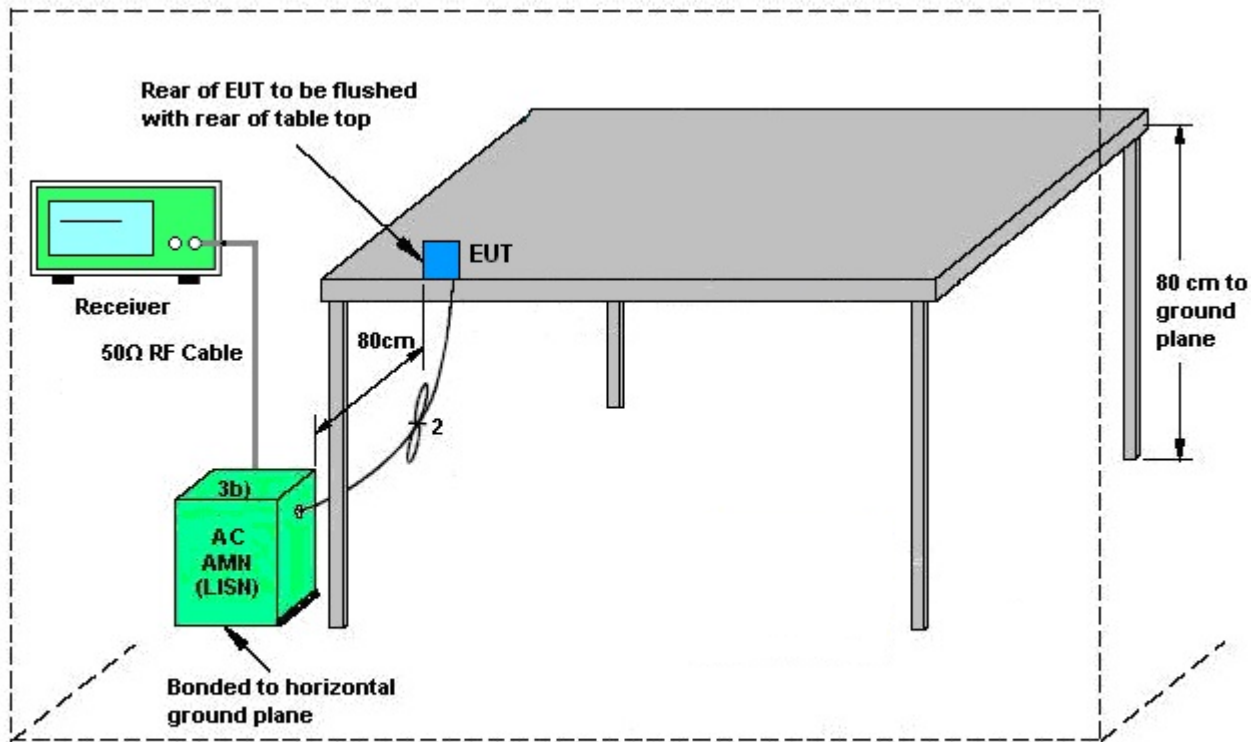
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 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. 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.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

<CDD Modes>						
			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant. 1 (dBi)	Ant. 2 (dBi)				
2.4 GHz	3.10	1.60	3.10	5.39	0.00	0.00

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 26, 2017	Feb. 28, 2018~ Mar. 22, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz z	Sep. 26, 2017	Feb. 28, 2018~ Mar. 22, 2018	Sep. 25, 2018	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101067	9kHz ~ 30GHz	Nov. 13, 2017	Feb. 28, 2018~ Mar. 22, 2018	Nov. 12, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 01, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Mar. 01, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Mar. 01, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Test Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 01, 2018	N/A	Conduction (CO05-HY)
Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 18, 2017	Mar. 17, 2018~ Mar. 21, 2018	Jul. 17, 2018	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Mar. 17, 2018~ Mar. 21, 2018	Nov. 09, 2018	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D&N-6-0 6	35414&AT- N0602	30MHz~1GHz	Oct. 14, 2017	Mar. 17, 2018~ Mar. 21, 2018	Oct. 13, 2018	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-132 6	1GHz ~ 18GHz	Oct. 16, 2017	Mar. 17, 2018~ Mar. 21, 2018	Oct. 15, 2018	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Nov. 23, 2017	Mar. 17, 2018~ Mar. 21, 2018	Nov. 22, 2019	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY532700 80	1GHz~26.5GHz	Nov. 10, 2016	Mar. 17, 2018~ Mar. 21, 2018	Nov. 09, 2018	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 86	10Hz ~ 44GHz	Oct. 19, 2017	Mar. 17, 2018~ Mar. 21, 2018	Oct. 18, 2018	Radiation (03CH11-HY)
Antenna Mast	E MEC	AM-BS-4500- B	N/A	1~4m	N/A	Mar. 17, 2018~ Mar. 21, 2018	N/A	Radiation (03CH11-HY)
Turn Table	E MEC	TT 2000	N/A	0~360 Degree	N/A	Mar. 17, 2018~ Mar. 21, 2018	N/A	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590074	1GHz~18GHz	May 22, 2017	Mar. 17, 2018~ Mar. 21, 2018	May 21, 2018	Radiation (03CH11-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY532900 53	20Hz to 26.5GHz	Jan. 16, 2018	Mar. 17, 2018~ Mar. 21, 2018	Jan. 15, 2019	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 584	18GHz- 40GHz	Nov. 27, 2017	Mar. 17, 2018~ Mar. 21, 2018	Nov. 26, 2018	Radiation (03CH11-HY)
Test Software	Audix	E3 6.2009-8- 24	RK-00104 2	NA	NA	Mar. 17, 2018~ Mar. 21, 2018	NA	Radiation (03CH11-HY)



5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.70
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.50
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2018/2/28 ~ 2018/03/22	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
					Ant 1	Ant 2	Ant 1	Ant 2		
11b	1Mbps	1	1	2412	11.20	11.35	8.04	8.04	0.50	Pass
11b	1Mbps	1	6	2437	11.40	11.70	8.08	8.04	0.50	Pass
11b	1Mbps	1	11	2462	11.15	11.20	8.04	8.08	0.50	Pass
11g	6Mbps	2	1	2412	17.25	17.20	15.68	16.00	0.50	Pass
11g	6Mbps	2	6	2437	17.85	17.70	15.50	15.88	0.50	Pass
11g	6Mbps	2	11	2462	17.30	17.20	15.64	15.88	0.50	Pass
HT20	MCS0	2	1	2412	18.10	18.00	15.08	16.28	0.50	Pass
HT20	MCS0	2	6	2437	18.40	18.45	15.10	16.32	0.50	Pass
HT20	MCS0	2	11	2462	18.00	18.00	15.32	16.04	0.50	Pass
HT40	MCS0	2	3	2422	36.80	36.80	36.32	36.32	0.50	Pass
HT40	MCS0	2	6	2437	37.00	36.90	36.24	36.24	0.50	Pass
HT40	MCS0	2	9	2452	36.80	36.70	36.28	36.32	0.50	Pass

TEST RESULTS DATA
Peak Output Power

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
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	19.74	22.00		30.00	30.00	3.10	1.60	22.84	23.60	36.00	36.00	Pass
11b	1Mbps	1	6	2437	20.73	22.53		30.00	30.00	3.10	1.60	23.83	24.13	36.00	36.00	Pass
11b	1Mbps	1	11	2462	19.04	21.22		30.00	30.00	3.10	1.60	22.14	22.82	36.00	36.00	Pass
11g	6Mbps	2	1	2412	21.27	21.88	24.60	30.00		3.10		27.70		36.00		Pass
11g	6Mbps	2	6	2437	22.46	23.32	25.92	30.00		3.10		29.02		36.00		Pass
11g	6Mbps	2	11	2462	20.42	21.75	24.15	30.00		3.10		27.25		36.00		Pass
HT20	MCS0	2	1	2412	21.24	21.84	24.56	30.00		3.10		27.66		36.00		Pass
HT20	MCS0	2	6	2437	22.18	23.16	25.71	30.00		3.10		28.81		36.00		Pass
HT20	MCS0	2	11	2462	19.74	21.06	23.46	30.00		3.10		26.56		36.00		Pass
HT40	MCS0	2	3	2422	17.94	19.05	21.54	30.00		3.10		24.64		36.00		Pass
HT40	MCS0	2	6	2437	20.78	21.56	24.20	30.00		3.10		27.30		36.00		Pass
HT40	MCS0	2	9	2452	16.63	18.58	20.72	30.00		3.10		23.82		36.00		Pass

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Average Output Power

2.4GHz Band									
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)		
					Ant 1	Ant 2	Ant 1	Ant 2	SUM
11b	1Mbps	1	1	2412	0.06	0.04	16.16	18.80	
11b	1Mbps	1	6	2437	0.06	0.04	17.88	19.76	
11b	1Mbps	1	11	2462	0.06	0.04	15.67	17.88	
11g	6Mbps	2	1	2412	0.25	0.21	12.41	12.54	15.49
11g	6Mbps	2	6	2437	0.25	0.21	16.16	17.00	19.61
11g	6Mbps	2	11	2462	0.25	0.21	11.90	12.39	15.16
HT20	MCS0	2	1	2412	0.22	0.31	12.47	12.63	15.56
HT20	MCS0	2	6	2437	0.22	0.31	15.78	16.60	19.22
HT20	MCS0	2	11	2462	0.22	0.31	10.69	11.09	13.90
HT40	MCS0	2	3	2422	0.44	0.49	8.59	9.22	11.93
HT40	MCS0	2	6	2437	0.44	0.49	12.37	12.80	15.60
HT40	MCS0	2	9	2452	0.44	0.49	8.19	8.66	11.44

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 1	Ant 2	Worse + 3.01	Ant 1	Ant 2	Ant 1	Ant 2	
11b	1Mbps	1	1	2412	-6.75	-4.47	-	3.10	1.60	8.00	8.00	Pass
11b	1Mbps	1	6	2437	-5.44	-1.43		3.10	1.60	8.00	8.00	Pass
11b	1Mbps	1	11	2462	-7.05	-2.57		3.10	1.60	8.00	8.00	Pass
11g	6Mbps	2	1	2412	-12.45	-13.14	-9.44	5.39		8.00		Pass
11g	6Mbps	2	6	2437	-7.81	-9.07	-4.80	5.39		8.00		Pass
11g	6Mbps	2	11	2462	-12.83	-12.99	-9.82	5.39		8.00		Pass
HT20	MCS0	2	1	2412	-12.04	-13.96	-9.03	5.39		8.00		Pass
HT20	MCS0	2	6	2437	-10.01	-9.48	-6.47	5.39		8.00		Pass
HT20	MCS0	2	11	2462	-13.97	-13.75	-10.74	5.39		8.00		Pass
HT40	MCS0	2	3	2422	-20.50	-19.36	-16.35	5.39		8.00		Pass
HT40	MCS0	2	6	2437	-16.54	-17.65	-13.53	5.39		8.00		Pass
HT40	MCS0	2	9	2452	-20.61	-20.19	-17.18	5.39		8.00		Pass

Measured power density (dBm) has offset with cable loss.



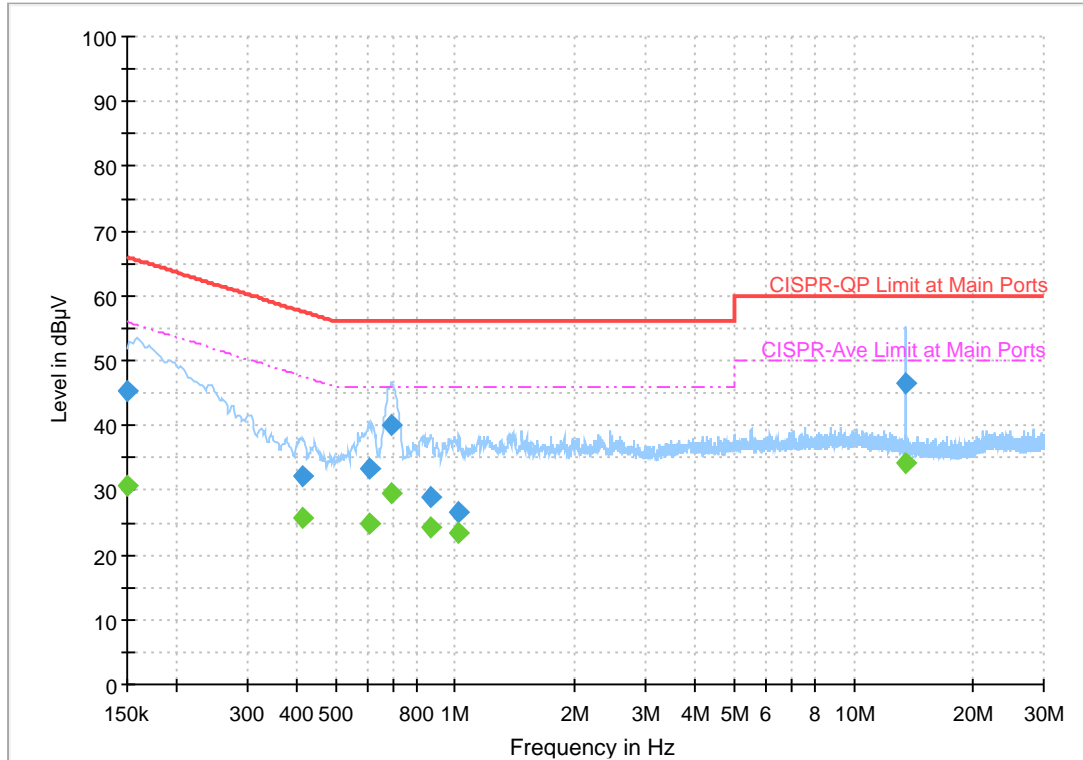
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Blue Lan	Temperature :	23~25°C
		Relative Humidity :	52~55%

EUT Information

Report NO : 820904
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



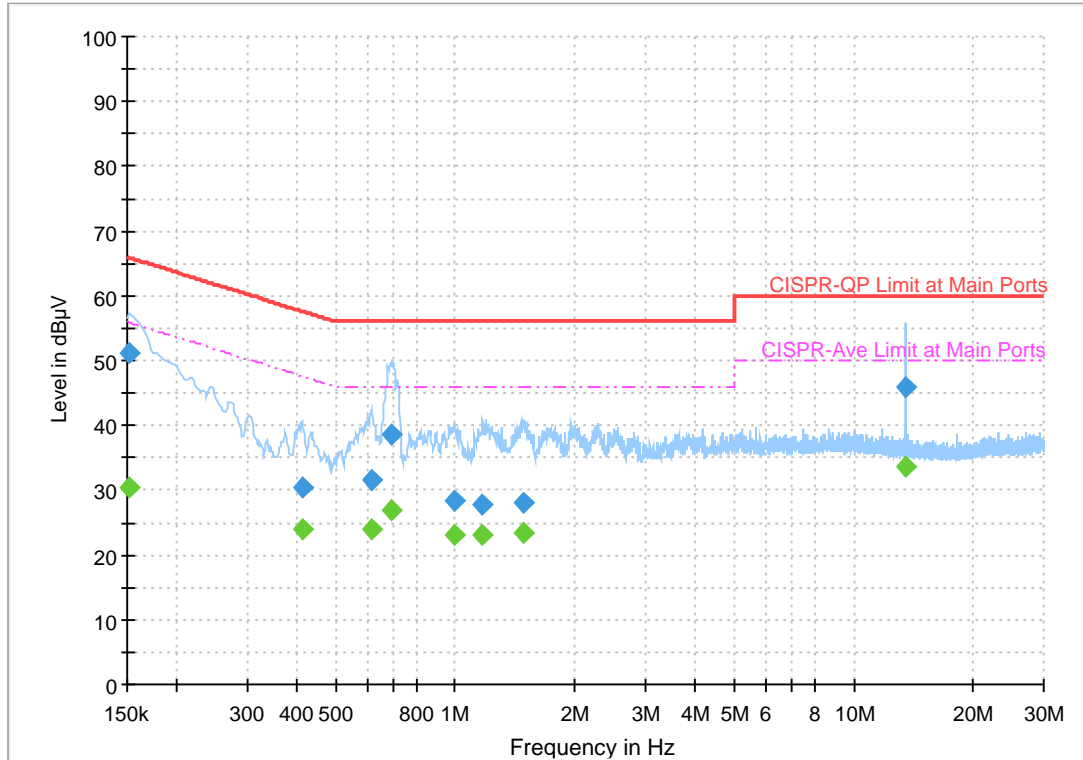
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	30.61	56.00	25.39	L1	OFF	19.5
0.150000	45.28	---	66.00	20.72	L1	OFF	19.5
0.415500	---	25.60	47.54	21.94	L1	OFF	19.5
0.415500	32.24	---	57.54	25.30	L1	OFF	19.5
0.606750	---	24.79	46.00	21.21	L1	OFF	19.5
0.606750	33.48	---	56.00	22.52	L1	OFF	19.5
0.690000	---	29.66	46.00	16.34	L1	OFF	19.5
0.690000	40.01	---	56.00	15.99	L1	OFF	19.5
0.865500	---	24.39	46.00	21.61	L1	OFF	19.5
0.865500	28.96	---	56.00	27.04	L1	OFF	19.5
1.023000	---	23.27	46.00	22.73	L1	OFF	19.5
1.023000	26.48	---	56.00	29.52	L1	OFF	19.5
13.558000	---	34.10	50.00	15.90	L1	OFF	19.7
13.558000	46.44	---	60.00	13.56	L1	OFF	19.7

EUT Information

Report NO : 820904
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	30.48	55.88	25.40	N	OFF	19.5
0.152250	51.14	---	65.88	14.74	N	OFF	19.5
0.413250	---	23.98	47.58	23.60	N	OFF	19.5
0.413250	30.35	---	57.58	27.23	N	OFF	19.5
0.613500	---	24.01	46.00	21.99	N	OFF	19.5
0.613500	31.60	---	56.00	24.40	N	OFF	19.5
0.687750	---	27.00	46.00	19.00	N	OFF	19.5
0.687750	38.70	---	56.00	17.30	N	OFF	19.5
0.993750	---	23.03	46.00	22.97	N	OFF	19.5
0.993750	28.47	---	56.00	27.53	N	OFF	19.5
1.171500	---	23.22	46.00	22.78	N	OFF	19.5
1.171500	27.65	---	56.00	28.35	N	OFF	19.5
1.486500	---	23.25	46.00	22.75	N	OFF	19.5
1.486500	27.98	---	56.00	28.02	N	OFF	19.5
13.558000	---	33.60	50.00	16.40	N	OFF	19.8
13.558000	46.04	---	60.00	13.96	N	OFF	19.8



Appendix C. Radiated Spurious Emission

Test Engineer :	Hao Hsu, Jacky Hung, and Daniel Lee	Temperature :	21~24°C
		Relative Humidity :	49~55%

<For Antenna 1>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	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		2387.07	58.17	-15.83	74	48.35	27.13	16.29	33.6	105	62	P	H
		2386.125	50.85	-3.15	54	41.03	27.13	16.29	33.6	105	62	A	H
	*	2412	110.42	-	-	100.53	27.18	16.3	33.59	105	62	P	H
	*	2412	107.34	-	-	97.45	27.18	16.3	33.59	105	62	A	H
		2387.07	54.39	-19.61	74	44.57	27.13	16.29	33.6	100	81	P	V
		2386.02	45.39	-8.61	54	35.57	27.13	16.29	33.6	100	81	A	V
	*	2412	105.27	-	-	95.38	27.18	16.3	33.59	100	81	P	V
	*	2412	102.11	-	-	92.22	27.18	16.3	33.59	100	81	A	V
802.11b CH 06 2437MHz		2388.24	58.81	-15.19	74	48.99	27.13	16.29	33.6	118	58	P	H
		2388.24	51.21	-2.79	54	41.39	27.13	16.29	33.6	118	58	A	H
	*	2437	112.06	-	-	102.07	27.27	16.31	33.59	118	58	P	H
	*	2437	108.89	-	-	98.9	27.27	16.31	33.59	118	58	A	H
		2484.24	59.37	-14.63	74	49.27	27.36	16.32	33.58	118	58	P	H
		2484.16	50.54	-3.46	54	40.45	27.36	16.31	33.58	118	58	A	H
		2388.72	55.15	-18.85	74	45.33	27.13	16.29	33.6	109	94	P	V
		2388.24	46.71	-7.29	54	36.89	27.13	16.29	33.6	109	94	A	V
	*	2437	108.08	-	-	98.09	27.27	16.31	33.59	109	94	P	V
	*	2437	105.09	-	-	95.1	27.27	16.31	33.59	109	94	A	V
		2483.92	58.43	-15.57	74	48.34	27.36	16.31	33.58	109	94	P	V
		2484.24	49.58	-4.42	54	39.48	27.36	16.32	33.58	109	94	A	V



802.11b CH 11 2462MHz	*	2462	109.96	-	-	99.92	27.31	16.31	33.58	111	53	P	H
	*	2462	106.73	-	-	96.69	27.31	16.31	33.58	111	53	A	H
		2483.84	59.23	-14.77	74	49.14	27.36	16.31	33.58	111	53	P	H
		2488.96	49.7	-4.3	54	39.56	27.4	16.32	33.58	111	53	A	H
													H
													H
	*	2462	107.96	-	-	97.92	27.31	16.31	33.58	107	116	P	V
	*	2462	104.63	-	-	94.59	27.31	16.31	33.58	107	116	A	V
		2483.96	58.35	-15.65	74	48.26	27.36	16.31	33.58	107	116	P	V
		2488.92	49.54	-4.46	54	39.4	27.4	16.32	33.58	107	116	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	53.57	-20.43	74	69.5	31.29	10.02	57.24	100	345	P	H
		4824	50.87	-3.13	54	66.8	31.29	10.02	57.24	100	345	A	H
													H
													H
		4824	52.37	-21.63	74	68.3	31.29	10.02	57.24	111	90	P	V
		4824	49.57	-4.43	54	65.5	31.29	10.02	57.24	111	90	A	V
													V
													V
802.11b CH 06 2437MHz		4874	49.52	-24.48	74	65.32	31.38	9.99	57.17	100	0	P	H
		7311	43.77	-30.23	74	52.99	36.28	11.77	57.27	100	0	P	H
													H
													H
		4874	48.67	-25.33	74	64.47	31.38	9.99	57.17	100	0	P	V
		7311	43.25	-30.75	74	52.47	36.28	11.77	57.27	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	48.27	-25.73	74	63.9	31.48	9.99	57.1	100	0	P	H
		7386	42.36	-31.64	74	51.59	36.47	11.68	57.38	100	0	P	H
													H
													H
		4924	47.73	-26.27	74	63.36	31.48	9.99	57.1	100	0	P	V
		7386	42.46	-31.54	74	51.69	36.47	11.68	57.38	100	0	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 802.11g (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 802.11g LF		48.9	27.49	-12.51	40	44.05	14.9	1.03	32.49	-	-	P	H	
		90.21	29.34	-14.16	43.5	45.97	14.61	1.24	32.48	-	-	P	H	
		252.75	25.72	-20.28	46	37.09	18.85	2.16	32.38	-	-	P	H	
		419	34.27	-11.73	46	41.46	22.47	2.68	32.34	-	-	P	H	
		578.6	28.38	-17.62	46	32.23	25.48	3.11	32.44	-	-	P	H	
		851.6	34.58	-11.42	46	33.85	28.82	3.82	31.91	100	0	P	H	
														H
														H
														H
														H
														H
														H
			46.47	36.71	-3.29	40	52.46	15.72	1.02	32.49	100	0	P	V
			63.48	31.94	-8.06	40	51.71	11.69	1.03	32.49	-	-	P	V
			150.69	26.8	-16.7	43.5	40.67	16.87	1.69	32.43	-	-	P	V
			427.4	28.82	-17.18	46	35.86	22.62	2.68	32.34	-	-	P	V
			631.1	27.2	-18.8	46	30.4	26.01	3.25	32.46	-	-	P	V
			929.3	32.35	-13.65	46	30.09	29.66	3.99	31.39	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<For Antenna 2>

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11b CH 01 2412MHz		2389.695	57.83	-16.17	74	48.01	27.13	16.29	33.6	132	143	P	H	
		2390	51.69	-2.31	54	41.86	27.13	16.29	33.59	132	143	A	H	
	*	2412	106.58	-	-	96.69	27.18	16.3	33.59	132	143	P	H	
	*	2412	103.45	-	-	93.56	27.18	16.3	33.59	132	143	A	H	
													H	
													H	
			2389.905	54.88	-19.12	74	45.05	27.13	16.29	33.59	150	117	P	V
			2390	47.7	-6.3	54	37.87	27.13	16.29	33.59	150	117	A	V
	*		2412	103.24	-	-	93.35	27.18	16.3	33.59	150	117	P	V
	*		2412	100.05	-	-	90.16	27.18	16.3	33.59	150	117	A	V
													V	
													V	
802.11b CH 06 2437MHz		2389.68	56.09	-17.91	74	46.27	27.13	16.29	33.6	200	307	P	H	
		2390	47.96	-6.04	54	38.13	27.13	16.29	33.59	200	307	A	H	
	*	2437	109.87	-	-	99.88	27.27	16.31	33.59	200	307	P	H	
	*	2437	106.69	-	-	96.7	27.27	16.31	33.59	200	307	A	H	
			2484.16	58.59	-15.41	74	48.5	27.36	16.31	33.58	200	307	P	H
			2483.52	50.53	-3.47	54	40.44	27.36	16.31	33.58	200	307	A	H
			2384.4	54.73	-19.27	74	44.95	27.09	16.29	33.6	175	93	P	V
			2389.52	45.34	-8.66	54	35.52	27.13	16.29	33.6	175	93	A	V
	*		2437	106.05	-	-	96.06	27.27	16.31	33.59	175	93	P	V
	*		2437	102.84	-	-	92.85	27.27	16.31	33.59	175	93	A	V
			2484.08	55.76	-18.24	74	45.67	27.36	16.31	33.58	175	93	P	V
			2484.4	46.9	-7.1	54	36.8	27.36	16.32	33.58	175	93	A	V



802.11b CH 11 2462MHz	*	2462	107.6	-	-	97.56	27.31	16.31	33.58	134	155	P	H
	*	2462	104.47	-	-	94.43	27.31	16.31	33.58	134	155	A	H
		2483.92	59.68	-14.32	74	49.59	27.36	16.31	33.58	134	155	P	H
		2483.76	52.02	-1.98	54	41.93	27.36	16.31	33.58	134	155	A	H
													H
													H
	*	2462	106.11	-	-	96.07	27.31	16.31	33.58	122	113	P	V
	*	2462	102.96	-	-	92.92	27.31	16.31	33.58	122	113	A	V
		2484.12	58.13	-15.87	74	48.04	27.36	16.31	33.58	122	113	P	V
		2483.76	50.73	-3.27	54	40.64	27.36	16.31	33.58	122	113	A	V
													V
													V
Remark	3. No other spurious found. 4. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz
WIFI 802.11b (Harmonic @ 3m)**

WIFI Ant. 2	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	44.72	-29.28	74	60.65	31.29	10.02	57.24	100	0	P	H	
													H	
													H	
													H	
			4824	47.33	-26.67	74	63.26	31.29	10.02	57.24	100	0	P	V
														V
														V
802.11b CH 06 2437MHz		4874	47.78	-26.22	74	63.58	31.38	9.99	57.17	100	0	P	H	
		7311	43.55	-30.45	74	52.77	36.28	11.77	57.27	100	0	P	H	
													H	
													H	
			4874	48.6	-25.4	74	64.4	31.38	9.99	57.17	100	0	P	V
			7311	42.67	-31.33	74	51.89	36.28	11.77	57.27	100	0	P	V
														V
802.11b CH 11 2462MHz		4924	47.25	-26.75	74	62.88	31.48	9.99	57.1	100	0	P	H	
		7386	42.92	-31.08	74	52.15	36.47	11.68	57.38	100	0	P	H	
													H	
													H	
			4924	47.73	-26.27	74	63.36	31.48	9.99	57.1	100	0	P	V
			7386	42.24	-31.76	74	51.47	36.47	11.68	57.38	100	0	P	V
														V
Remark	3. No other spurious found.													
	4. All results are PASS against Peak and Average limit line.													



**Emission below 1GHz
2.4GHz WIFI 802.11g (LF)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
2.4GHz 802.11g LF		48.9	27.49	-12.51	40	44.05	14.9	1.03	32.49	-	-	P	H	
		90.21	29.34	-14.16	43.5	45.97	14.61	1.24	32.48	-	-	P	H	
		252.75	25.72	-20.28	46	37.09	18.85	2.16	32.38	-	-	P	H	
		419	34.27	-11.73	46	41.46	22.47	2.68	32.34	-	-	P	H	
		578.6	28.38	-17.62	46	32.23	25.48	3.11	32.44	-	-	P	H	
		851.6	34.58	-11.42	46	33.85	28.82	3.82	31.91	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			46.47	36.71	-3.29	40	52.46	15.72	1.02	32.49	100	0	P	V
			63.48	31.94	-8.06	40	51.71	11.69	1.03	32.49	-	-	P	V
			150.69	26.8	-16.7	43.5	40.67	16.87	1.69	32.43	-	-	P	V
			427.4	28.82	-17.18	46	35.86	22.62	2.68	32.34	-	-	P	V
			631.1	27.2	-18.8	46	30.4	26.01	3.25	32.46	-	-	P	V
			929.3	32.35	-13.65	46	30.09	29.66	3.99	31.39	-	-	P	V
													V	
													V	
												V		
												V		
												V		
												V		
Remark	3. No other spurious found. 4. All results are PASS against limit line.													



<For Antenna 1 + 2>

2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11g CH 01 2412MHz		2390	66.55	-7.45	74	56.72	27.13	16.29	33.59	119	232	P	H	
		2389.905	52.74	-1.26	54	42.91	27.13	16.29	33.59	119	232	A	H	
		2412	106.98	32.98	74	97.09	27.18	16.3	33.59	119	232	P	H	
		2412	99.48	45.48	54	89.59	27.18	16.3	33.59	119	232	A	H	
													H	
														H
														V
			2389.695	65.49	-8.51	74	55.67	27.13	16.29	33.6	400	244	P	V
			2389.38	50.86	-3.14	54	41.04	27.13	16.29	33.6	400	244	A	V
			2412	105.51	31.51	74	95.62	27.18	16.3	33.59	400	244	P	V
			2412	97.68	43.68	54	87.79	27.18	16.3	33.59	400	244	A	V
													V	
802.11g CH 06 2437MHz		2389.84	68.16	-5.84	74	58.33	27.13	16.29	33.59	108	229	P	H	
		2389.68	52.56	-1.44	54	42.74	27.13	16.29	33.6	108	229	A	H	
		*	2437	112.02	-	-	102.03	27.27	16.31	33.59	108	229	P	H
		*	2437	104.54	-	-	94.55	27.27	16.31	33.59	108	229	A	H
			2484.24	63.99	-10.01	74	53.89	27.36	16.32	33.58	108	229	P	H
			2484	51.59	-2.41	54	41.5	27.36	16.31	33.58	108	229	A	H
			2389.2	61.5	-12.5	74	51.68	27.13	16.29	33.6	387	304	P	V
			2390	48.39	-5.61	54	38.56	27.13	16.29	33.59	387	304	A	V
		*	2437	109.41	-	-	99.42	27.27	16.31	33.59	387	304	P	V
		*	2437	101.76	-	-	91.77	27.27	16.31	33.59	387	304	A	V
			2484.8	61.42	-12.58	74	51.32	27.36	16.32	33.58	387	304	P	V
		2483.68	47.34	-6.66	54	37.25	27.36	16.31	33.58	387	304	A	V	



802.11g CH 11 2462MHz	*	2462	107.54	-	-	97.5	27.31	16.31	33.58	114	229	P	H
	*	2462	99.87	-	-	89.83	27.31	16.31	33.58	114	229	A	H
		2484.6	70.93	-3.07	74	60.83	27.36	16.32	33.58	114	229	P	H
		2484.64	52.86	-1.14	54	42.76	27.36	16.32	33.58	114	229	A	H
													H
													H
	*	2462	105.94	-	-	95.9	27.31	16.31	33.58	361	10	P	V
	*	2462	98.41	-	-	88.37	27.31	16.31	33.58	361	10	A	V
		2486.28	66.15	-7.85	74	56.05	27.36	16.32	33.58	361	10	P	V
		2486.04	49.91	-4.09	54	39.81	27.36	16.32	33.58	361	10	A	V
													V
													V
Remark	<ol style="list-style-type: none"> 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+2	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	44.33	-29.67	74	60.26	31.29	10.02	57.24	100	0	P	H	
													H	
													H	
													H	
			4824	43.29	-30.71	74	59.22	31.29	10.02	57.24	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	47.23	-26.77	74	63.03	31.38	9.99	57.17	100	0	P	H	
		7311	44.96	-29.04	74	54.18	36.28	11.77	57.27	100	0	P	H	
													H	
													H	
			4874	46.96	-27.04	74	62.76	31.38	9.99	57.17	100	0	P	V
			7311	43.36	-30.64	74	52.58	36.28	11.77	57.27	100	0	P	V
														V
802.11g CH 11 2462MHz		4924	46.52	-27.48	74	62.15	31.48	9.99	57.1	100	0	P	H	
		7386	42.54	-31.46	74	51.77	36.47	11.68	57.38	100	0	P	H	
													H	
													H	
			4924	45.73	-28.27	74	61.36	31.48	9.99	57.1	100	0	P	V
			7386	43.07	-30.93	74	52.3	36.47	11.68	57.38	100	0	P	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+2	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		2388.855	70.92	-3.08	74	61.1	27.13	16.29	33.6	124	217	P	H	
		2388.75	52.31	-1.69	54	42.49	27.13	16.29	33.6	124	217	A	H	
	*	2412	105.81	-	-	95.92	27.18	16.3	33.59	124	217	P	H	
	*	2412	98.69	-	-	88.8	27.18	16.3	33.59	124	217	A	H	
													H	
														H
			2387.805	64.94	-9.06	74	55.12	27.13	16.29	33.6	393	259	P	V
			2388.75	50.71	-3.29	54	40.89	27.13	16.29	33.6	393	259	A	V
		*	2412	103.9	-	-	94.01	27.18	16.3	33.59	393	259	P	V
		*	2412	97.16	-	-	87.27	27.18	16.3	33.59	393	259	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2388.56	64.16	-9.84	74	54.34	27.13	16.29	33.6	100	222	P	H	
		2388.24	52.48	-1.52	54	42.66	27.13	16.29	33.6	100	222	A	H	
		* 2437	109.85	-	-	99.86	27.27	16.31	33.59	100	222	P	H	
		* 2437	103.13	-	-	93.14	27.27	16.31	33.59	100	222	A	H	
			2486.16	63.66	-10.34	74	53.56	27.36	16.32	33.58	100	222	P	H
			2484.64	50.02	-3.98	54	39.92	27.36	16.32	33.58	100	222	A	H
			2387.76	61.49	-12.51	74	51.67	27.13	16.29	33.6	387	304	P	V
			2388.24	48.96	-5.04	54	39.14	27.13	16.29	33.6	387	304	A	V
		*	2437	109.38	-	-	99.39	27.27	16.31	33.59	387	304	P	V
		*	2437	101.39	-	-	91.4	27.27	16.31	33.59	387	304	A	V
		2484	62.64	-11.36	74	52.55	27.36	16.31	33.58	387	304	P	V	
		2483.68	47.67	-6.33	54	37.58	27.36	16.31	33.58	387	304	A	V	



802.11n HT20 CH 11 2462MHz	*	2462	105.36	-	-	95.32	27.31	16.31	33.58	114	221	P	H
	*	2462	98.29	-	-	88.25	27.31	16.31	33.58	114	221	A	H
		2485.4	69.15	-4.85	74	59.05	27.36	16.32	33.58	114	221	P	H
		2483.76	51.46	-2.54	54	41.37	27.36	16.31	33.58	114	221	A	H
													H
													H
	*	2462	103.56	-	-	93.52	27.31	16.31	33.58	362	19	P	V
	*	2462	95.8	-	-	85.76	27.31	16.31	33.58	362	19	A	V
		2483.8	67.92	-6.08	74	57.83	27.36	16.31	33.58	362	19	P	V
		2483.96	51.38	-2.62	54	41.29	27.36	16.31	33.58	362	19	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+2	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	45.2	-28.8	74	61.13	31.29	10.02	57.24	100	0	P	H	
													H	
													H	
													H	
			4824	43.39	-30.61	74	59.32	31.29	10.02	57.24	100	0	P	V
														V
														V
802.11n HT20 CH 06 2437MHz		4874	47.2	-26.8	74	63	31.38	9.99	57.17	100	0	P	H	
		7311	43.18	-30.82	74	52.4	36.28	11.77	57.27	100	0	P	H	
													H	
													H	
			4874	46.1	-27.9	74	61.9	31.38	9.99	57.17	100	0	P	V
			7311	43.21	-30.79	74	52.43	36.28	11.77	57.27	100	0	P	V
														V
802.11n HT20 CH 11 2462MHz		4924	43.47	-30.53	74	59.1	31.48	9.99	57.1	100	0	P	H	
		7386	41.76	-32.24	74	50.99	36.47	11.68	57.38	100	0	P	H	
													H	
													H	
			4924	42.01	-31.99	74	57.64	31.48	9.99	57.1	100	0	P	V
			7386	41.88	-32.12	74	51.11	36.47	11.68	57.38	100	0	P	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+2	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		2388.45	66.83	-7.17	74	57.01	27.13	16.29	33.6	126	221	P	H
		2388.15	51.01	-2.99	54	41.19	27.13	16.29	33.6	126	221	A	H
	*	2422	98.51	-	-	88.58	27.22	16.3	33.59	126	221	P	H
	*	2422	91.4	-	-	81.47	27.22	16.3	33.59	126	221	A	H
		2484.48	54.4	-19.6	74	44.3	27.36	16.32	33.58	126	221	P	H
		2485.28	43.84	-10.16	54	33.74	27.36	16.32	33.58	126	221	A	H
		2388.15	63.75	-10.25	74	53.93	27.13	16.29	33.6	394	261	P	V
		2388.15	50.09	-3.91	54	40.27	27.13	16.29	33.6	394	261	A	V
	*	2422	96.56	-	-	86.63	27.22	16.3	33.59	394	261	P	V
	*	2422	90.38	-	-	80.45	27.22	16.3	33.59	394	261	A	V
		2485.92	53.04	-20.96	74	42.94	27.36	16.32	33.58	394	261	P	V
		2489.84	43.33	-10.67	54	33.19	27.4	16.32	33.58	394	261	A	V
802.11n HT40 CH 06 2437MHz		2388.6	63.75	-10.25	74	53.93	27.13	16.29	33.6	100	229	P	H
		2388.45	51.28	-2.72	54	41.46	27.13	16.29	33.6	100	229	A	H
	*	2437	102.44	-	-	92.45	27.27	16.31	33.59	100	229	P	H
	*	2437	95.52	-	-	85.53	27.27	16.31	33.59	100	229	A	H
		2483.6	65.82	-8.18	74	55.73	27.36	16.31	33.58	100	229	P	H
		2483.6	52.57	-1.43	54	42.48	27.36	16.31	33.58	100	229	A	H
		2389.8	59.72	-14.28	74	49.89	27.13	16.29	33.59	396	302	P	V
		2387.7	49.49	-4.51	54	39.67	27.13	16.29	33.6	396	302	A	V
	*	2437	101.3	-	-	91.31	27.27	16.31	33.59	396	302	P	V
	*	2437	94.16	-	-	84.17	27.27	16.31	33.59	396	302	A	V
		2483.84	60.77	-13.23	74	50.68	27.36	16.31	33.58	396	302	P	V
		2485.6	48.24	-5.76	54	38.14	27.36	16.32	33.58	396	302	A	V



802.11n HT40 CH 09 2452MHz		2388.3	53.82	-20.18	74	44	27.13	16.29	33.6	100	233	P	H
		2379	43.68	-10.32	54	33.97	27.09	16.22	33.6	100	233	A	H
	*	2452	98.05	-	-	88.05	27.27	16.31	33.58	100	233	P	H
	*	2452	91.24	-	-	81.24	27.27	16.31	33.58	100	233	A	H
		2483.68	66.89	-7.11	74	56.8	27.36	16.31	33.58	100	233	P	H
		2486	50.75	-3.25	54	40.65	27.36	16.32	33.58	100	233	A	H
		2388.15	52.92	-21.08	74	43.1	27.13	16.29	33.6	390	308	P	V
		2385	43.18	-10.82	54	33.4	27.09	16.29	33.6	390	308	A	V
	*	2452	96.41	-	-	86.41	27.27	16.31	33.58	390	308	P	V
	*	2452	89.75	-	-	79.75	27.27	16.31	33.58	390	308	A	V
		2488.16	64.17	-9.83	74	54.03	27.4	16.32	33.58	390	308	P	V
		2485.68	49.73	-4.27	54	39.63	27.36	16.32	33.58	390	308	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz
2.4GHz WIFI 802.11g (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+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
2.4GHz 802.11g LF		48.9	27.49	-12.51	40	44.05	14.9	1.03	32.49	-	-	P	H	
		90.21	29.34	-14.16	43.5	45.97	14.61	1.24	32.48	-	-	P	H	
		252.75	25.72	-20.28	46	37.09	18.85	2.16	32.38	-	-	P	H	
		419	34.27	-11.73	46	41.46	22.47	2.68	32.34	-	-	P	H	
		578.6	28.38	-17.62	46	32.23	25.48	3.11	32.44	-	-	P	H	
		851.6	34.58	-11.42	46	33.85	28.82	3.82	31.91	100	0	P	H	
														H
														H
														H
														H
														H
														H
			46.47	36.71	-3.29	40	52.46	15.72	1.02	32.49	100	0	P	V
			63.48	31.94	-8.06	40	51.71	11.69	1.03	32.49	-	-	P	V
			150.69	26.8	-16.7	43.5	40.67	16.87	1.69	32.43	-	-	P	V
			427.4	28.82	-17.18	46	35.86	22.62	2.68	32.34	-	-	P	V
			631.1	27.2	-18.8	46	30.4	26.01	3.25	32.46	-	-	P	V
			929.3	32.35	-13.65	46	30.09	29.66	3.99	31.39	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	5. No other spurious found. 6. 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+2		(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

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

For Peak Limit @ 2390MHz:

- 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)
- Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

- 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)
- 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 D. Radiated Spurious Emission Plots

Test Engineer :	Hao Hsu, Jacky Hung, and Daniel Lee	Temperature :	21~24°C
		Relative Humidity :	49~55%

Note symbol

-L	Low channel location
-R	High channel location

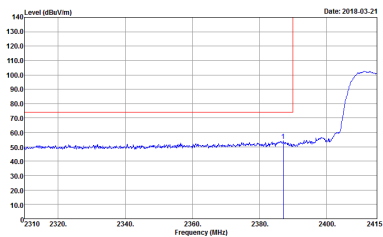
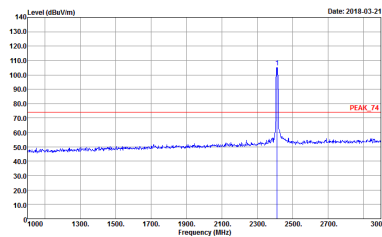
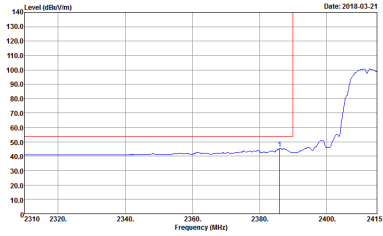
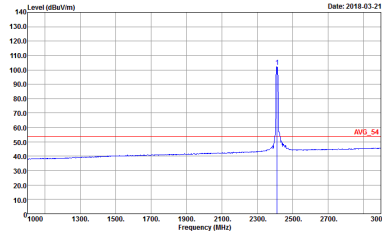


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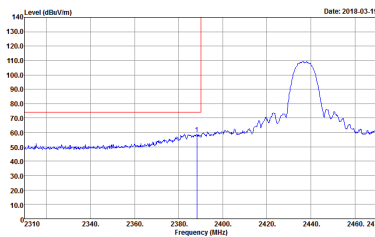
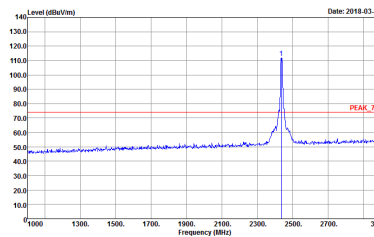
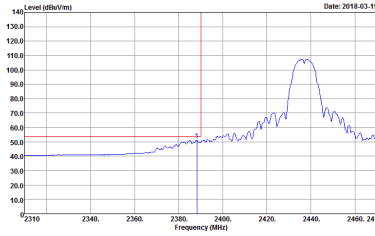
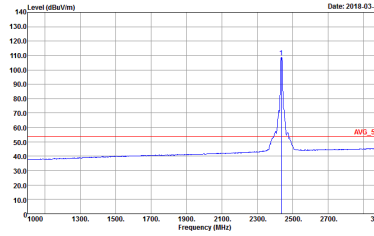
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>
Avg.	<p>Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	<p>Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>

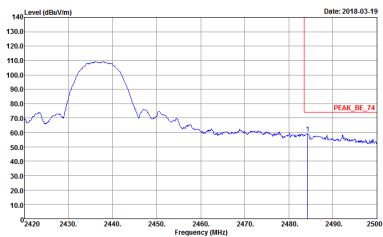
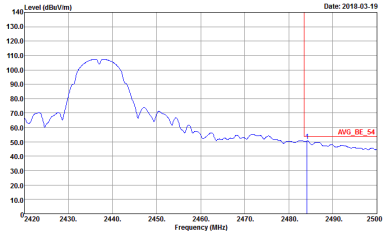


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2018-03-21</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-21</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>
Avg.	 <p>Date: 2018-03-21</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-21</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>
Avg.	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>

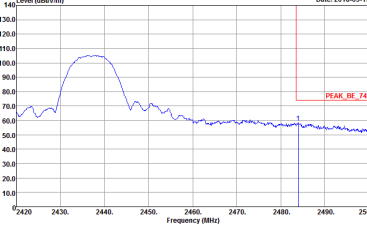



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
<p>Peak</p>	 <p> Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77 </p>	<p>Left blank</p>
<p>Avg.</p>	 <p> Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77 </p>	<p>Left blank</p>

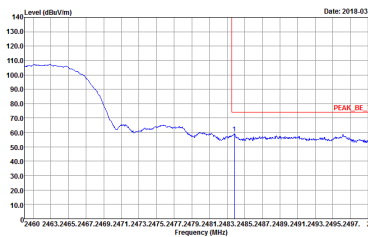
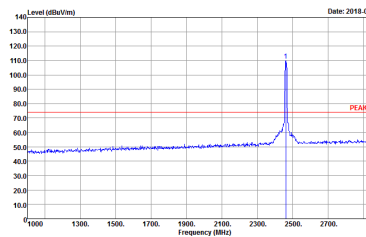
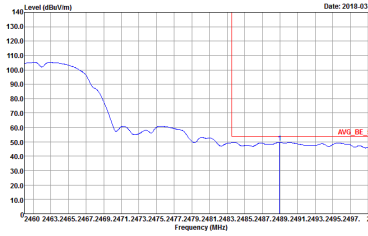
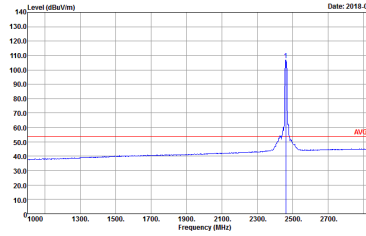


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>
Avg.	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 77</p>

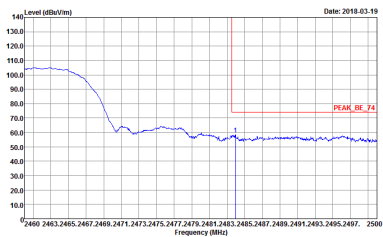
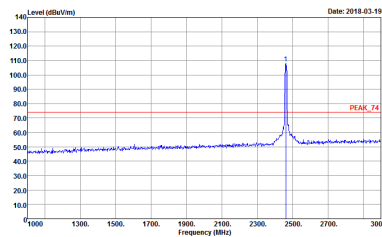
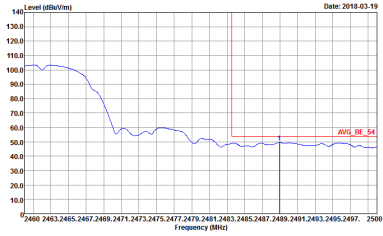
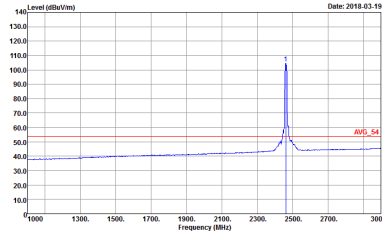


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Left blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>
Avg.	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>
Avg.	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-19</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>



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
<p>Peak</p> <p>Avg.</p>	<p>Site : 09CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	<p>Site : 09CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : -69</p>	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : -69</p>

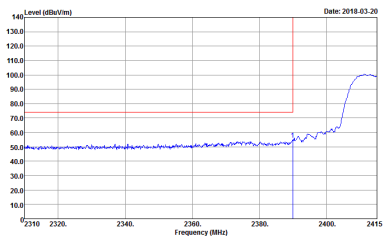
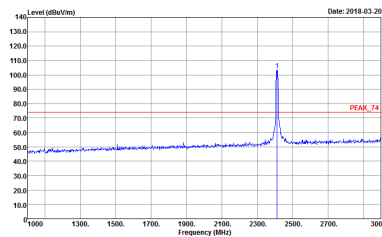
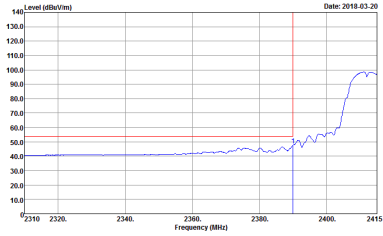
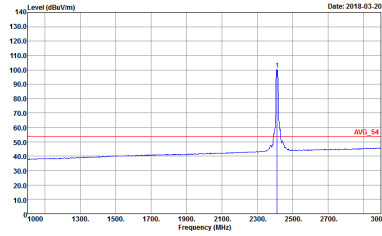


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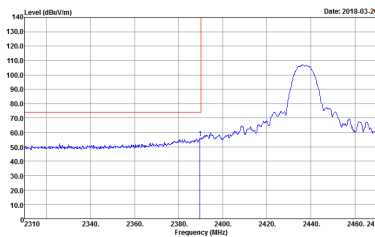
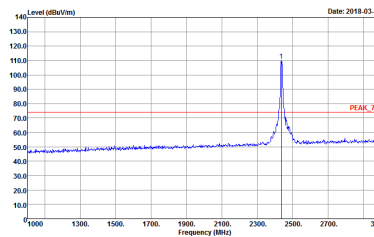
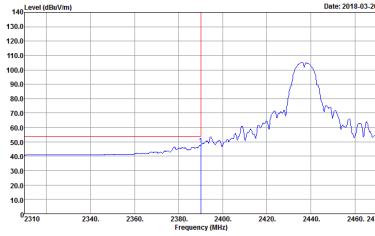
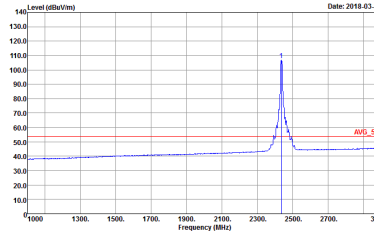
2.4GHz 2400~2483.5MHz
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>
Avg.	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>

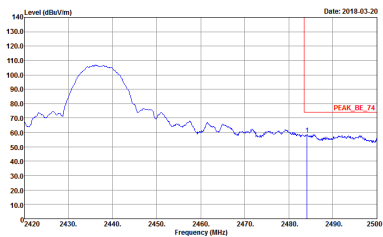
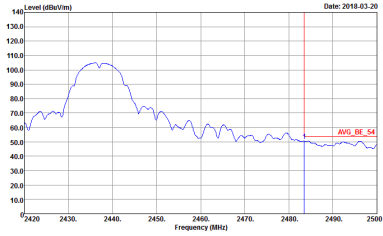


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>

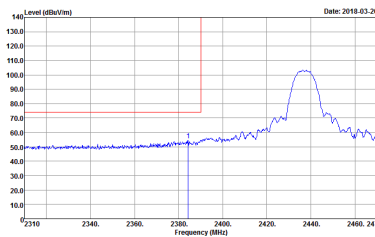
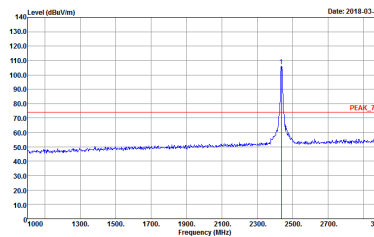
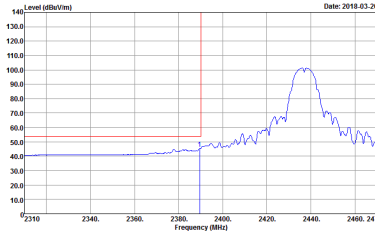
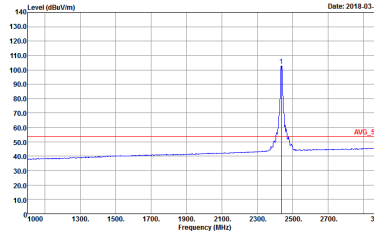


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Horizontal	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>

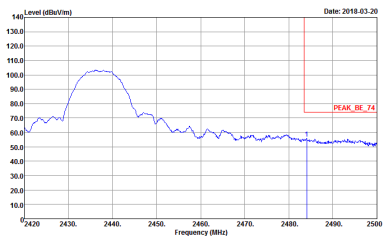
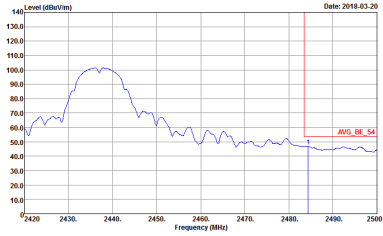


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 80</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 80</p>	<p>Left blank</p>

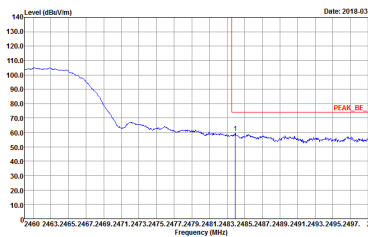
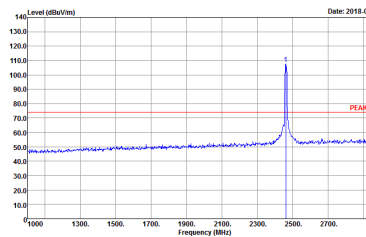
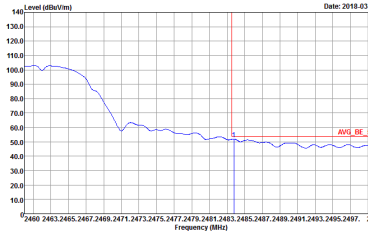
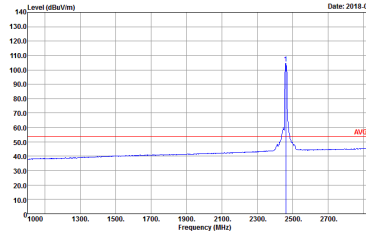


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
2	Vertical	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 80</p>

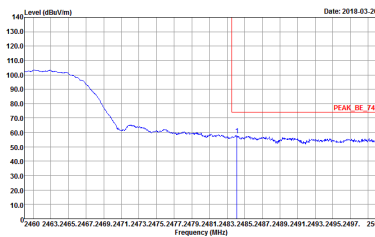
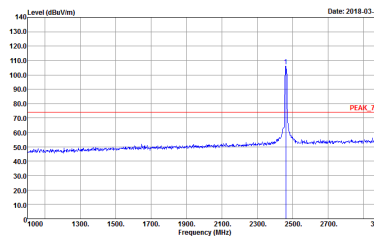
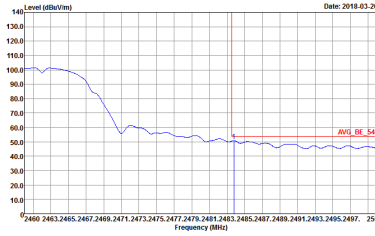
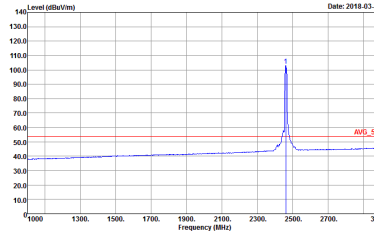


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 80</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 80</p>	<p>Left blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
2	Horizontal	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 74</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 74</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 74</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 820904 Setting : 74</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 74</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 74</p>
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 74</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 74</p>

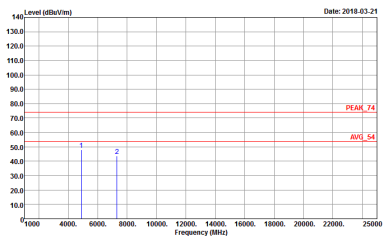
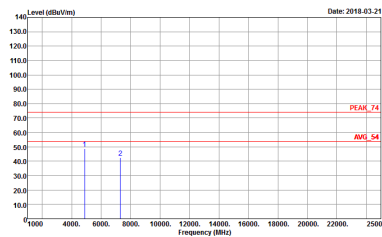


2.4GHz 2400~2483.5MHz

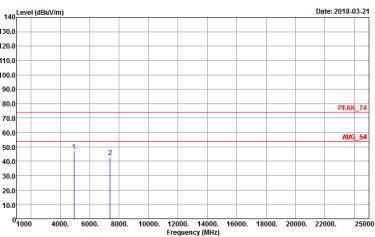
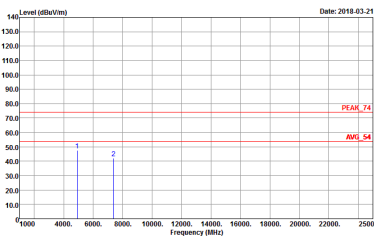
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 77</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 77</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 80</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 80</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 74</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 74</p>

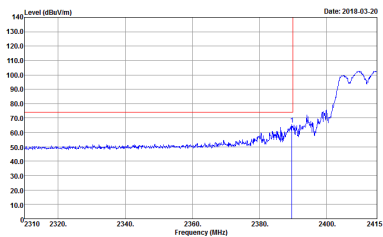
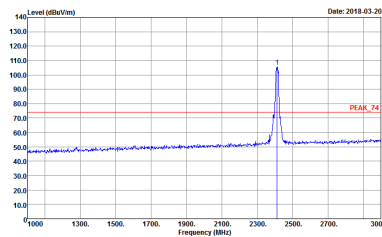
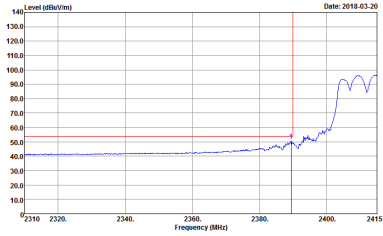
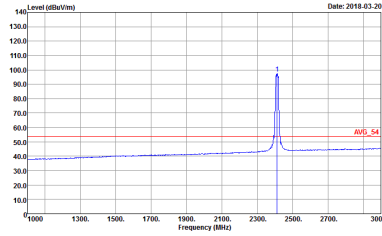


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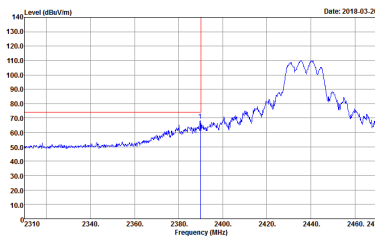
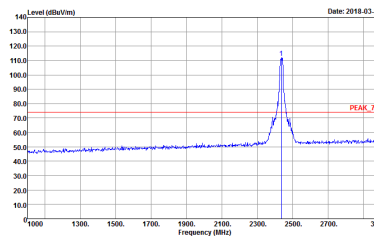
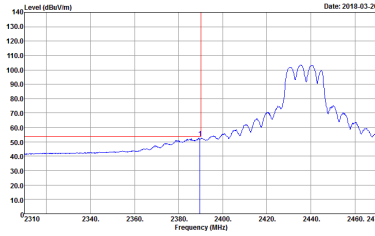
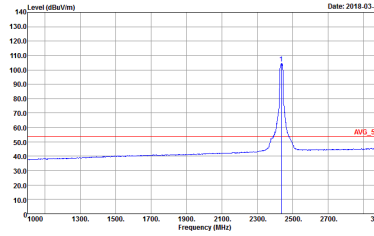
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 52</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 52</p>
Avg.	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 52</p>	<p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 52</p>

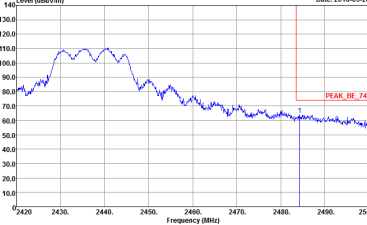
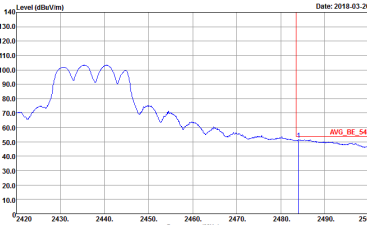


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 52</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 52</p>
Avg.	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 52</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 52</p>

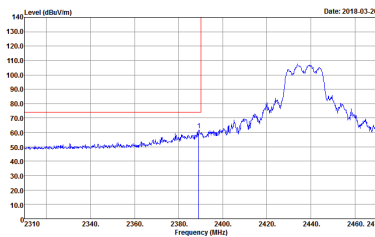
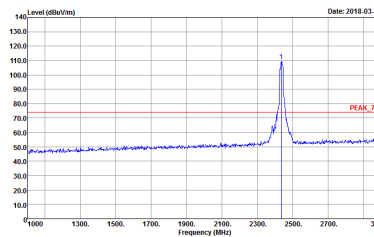
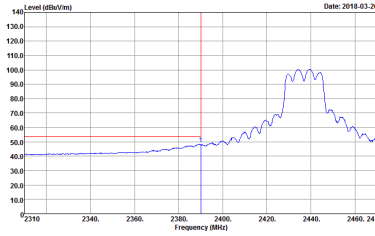
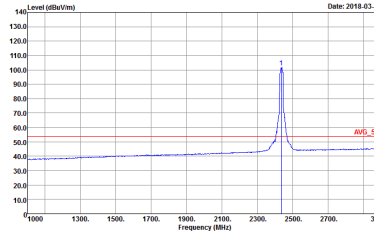


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>
<p>Avg.</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>

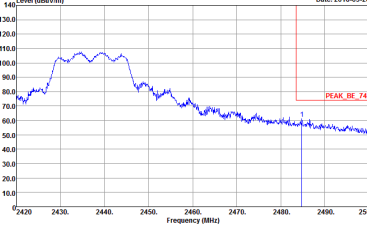
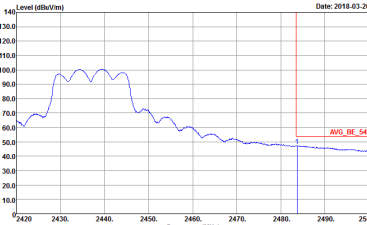


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	<p>Left blank</p>

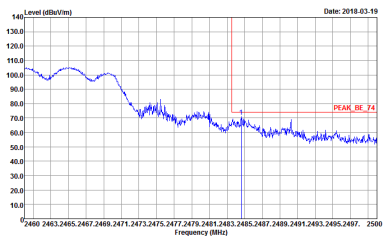
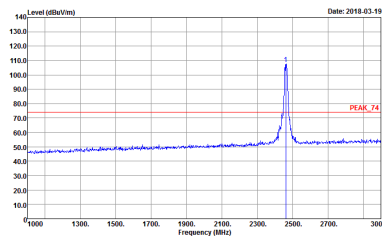
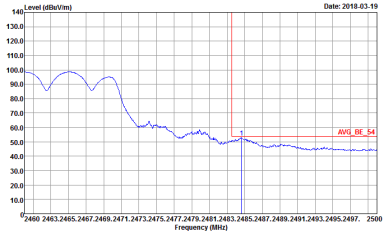
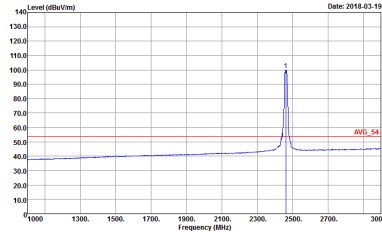


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>

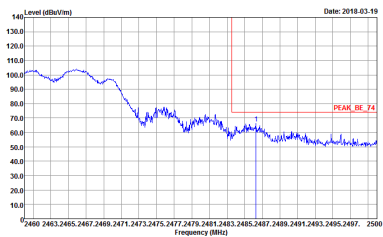
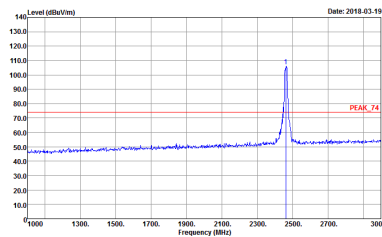
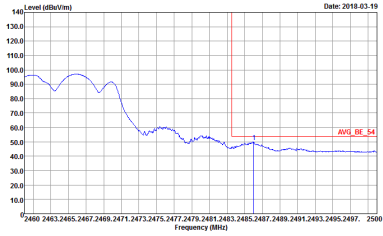
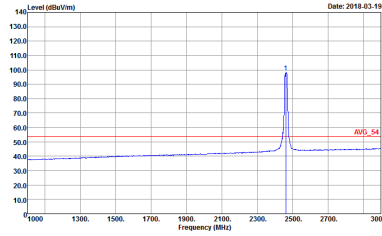


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	<p>Left Blank</p>
<p>Avg.</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 70</p>	<p>Left Blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot showing a peak at 2462 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 2460 to 2500 MHz. A red vertical line marks the peak at 2462 MHz, with a red horizontal line indicating the level at approximately 80 dBm/100MHz. The plot is labeled 'PEAK BE_74'.</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot showing a sharp peak at 2462 MHz. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the peak at 2462 MHz, with a red horizontal line indicating the level at approximately 80 dBm/100MHz. The plot is labeled 'PEAK_74'.</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>
Avg.	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot showing an average level across the band. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 2460 to 2500 MHz. A red vertical line marks the average level at 2462 MHz, with a red horizontal line indicating the level at approximately 60 dBm/100MHz. The plot is labeled 'AVG_BE_54'.</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	 <p>Level (dBm/100MHz) vs Frequency (MHz) plot showing an average level across the band. The y-axis ranges from 10.0 to 140.0 dBm/100MHz, and the x-axis ranges from 1000 to 3000 MHz. A red vertical line marks the average level at 2462 MHz, with a red horizontal line indicating the level at approximately 60 dBm/100MHz. The plot is labeled 'AVG_54'.</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>

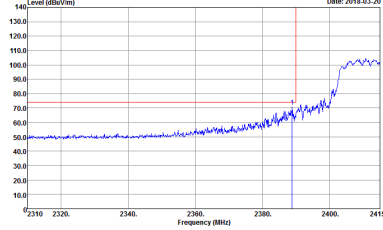
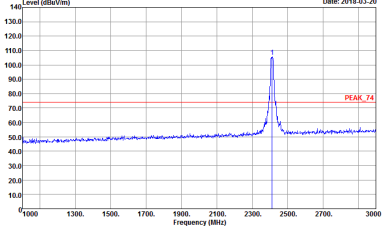
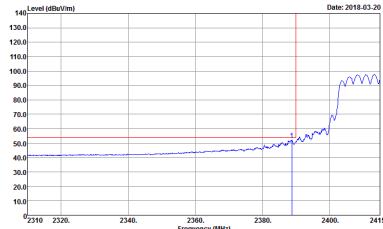
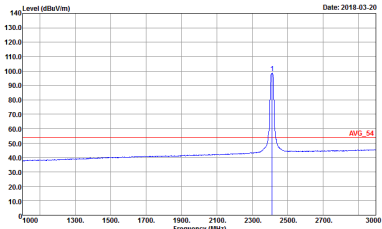


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>

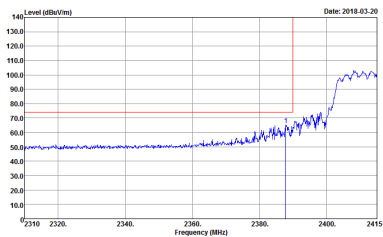
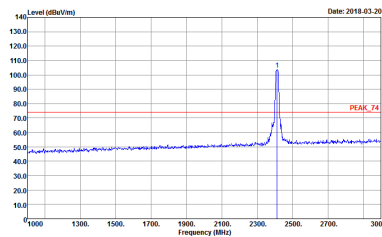
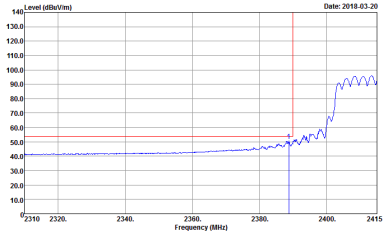
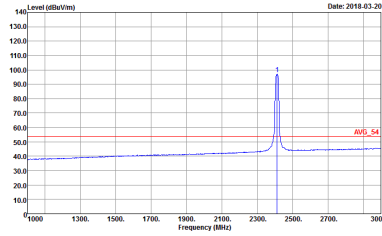


2.4GHz 2400~2483.5MHz

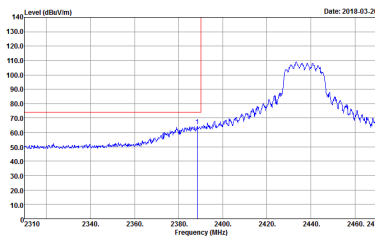
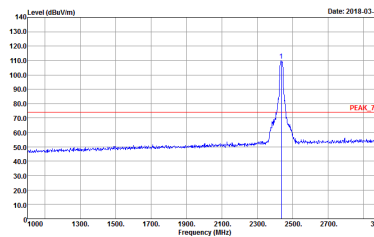
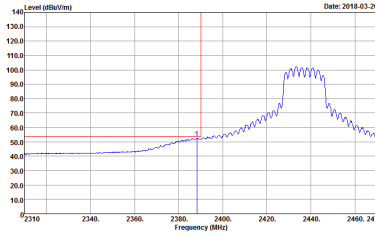
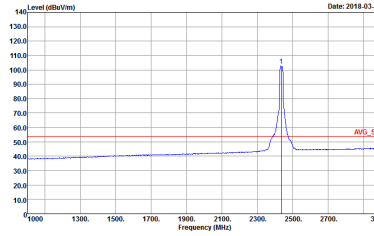
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 53</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 53</p>
Avg.	 <p>Site : 03CH11-HY Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 53</p>	 <p>Site : 03CH11-HY Condition : AV6_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 53</p>

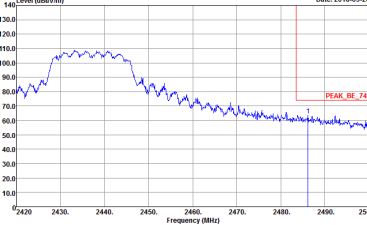
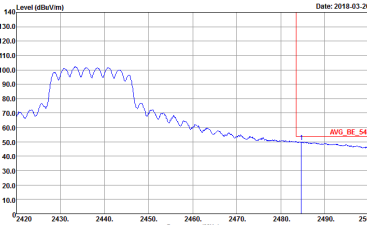


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 53</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 53</p>
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 53</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 820904 Setting : 53</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>

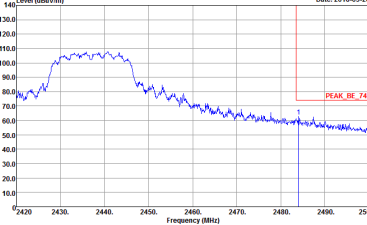
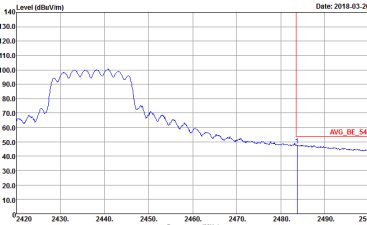


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 69</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 69</p>	<p>Left blank</p>

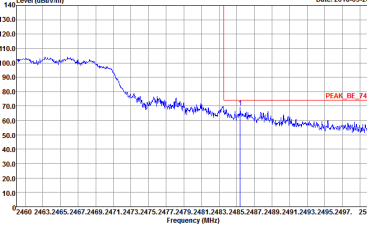
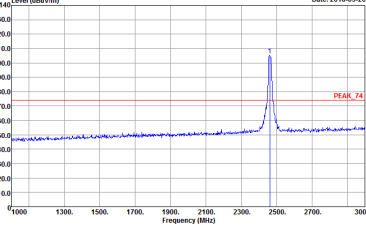
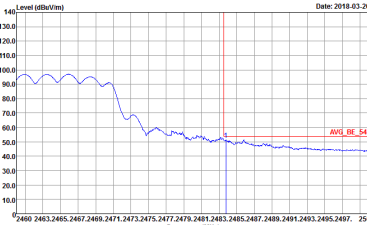
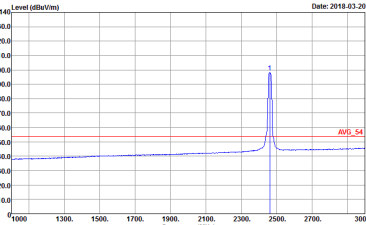


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>
	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	<p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>

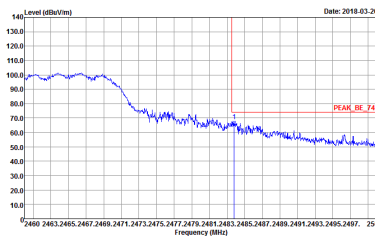
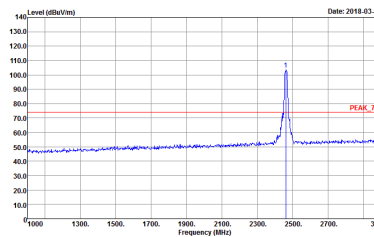
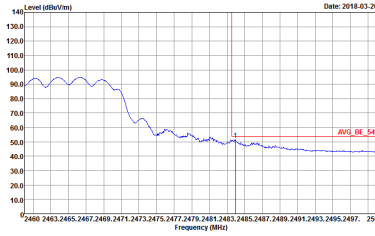
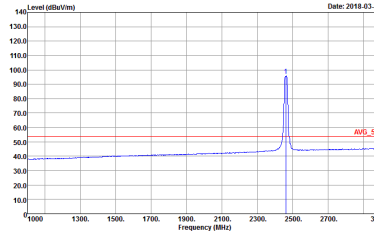


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	<p>Left Blank</p>
<p>Avg.</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 69</p>	<p>Left Blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2018.03.20</p> <p>Level (dBm/1m) vs Frequency (MHz)</p> <p>PEAK_BE_74</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>	 <p>Date: 2018.03.20</p> <p>Level (dBm/1m) vs Frequency (MHz)</p> <p>PEAK_74</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>
<p>Avg.</p>	 <p>Date: 2018.03.20</p> <p>Level (dBm/1m) vs Frequency (MHz)</p> <p>AVG_BE_54</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>	 <p>Date: 2018.03.20</p> <p>Level (dBm/1m) vs Frequency (MHz)</p> <p>AVG_54</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>

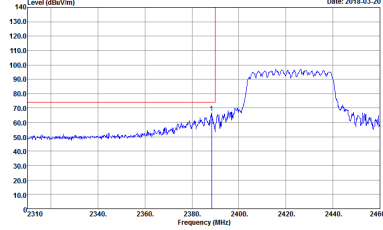
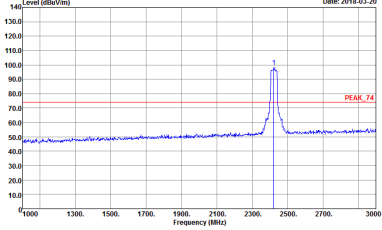
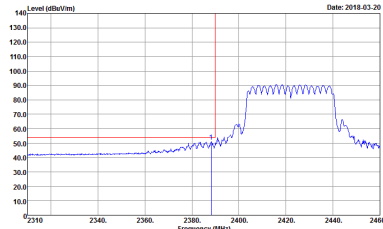
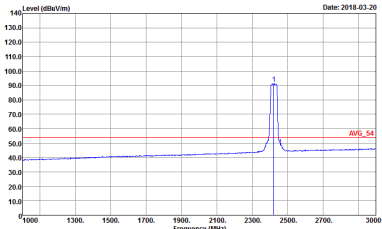


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>
Avg.	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>	 <p>Date: 2018.03.20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 47</p>

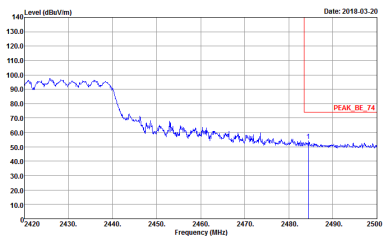
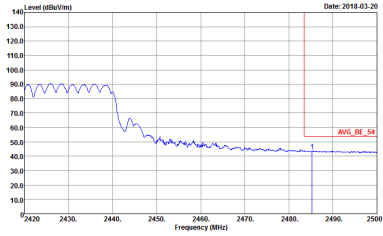


2.4GHz 2400~2483.5MHz

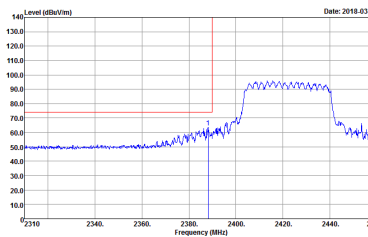
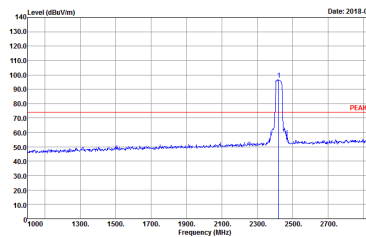
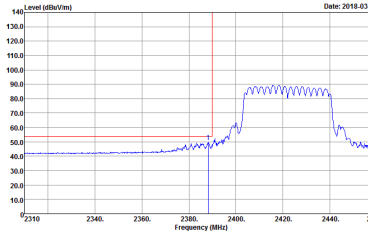
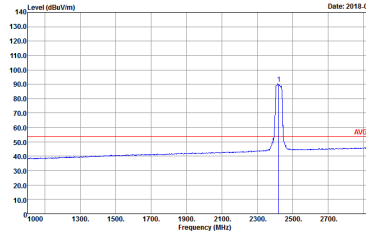
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>	 <p>Site : 03CHI1-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>
Avg.	 <p>Site : 03CHI1-HY Condition : AV6_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>	 <p>Site : 03CHI1-HY Condition : AV6_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>

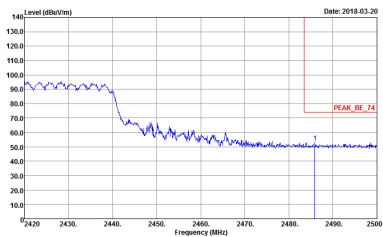
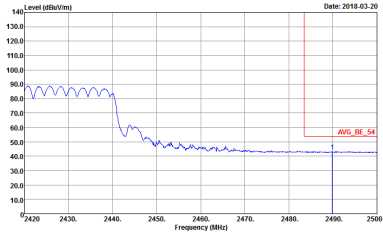


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>	Left Blank
Avg.	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 39</p>	Left Blank



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 39</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 39</p>
Avg.	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 39</p>	 <p>Date: 2018-03-20</p> <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 9120D-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 39</p>

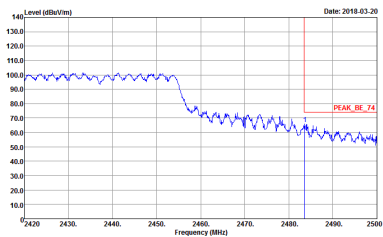
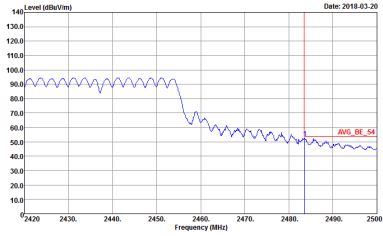


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH03 2422MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 39</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 39</p>	<p>Left blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>
Avg.	<p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	<p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>

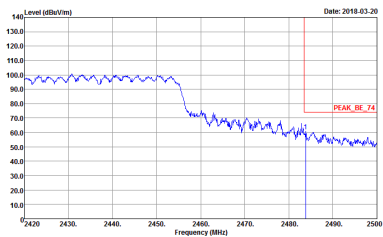
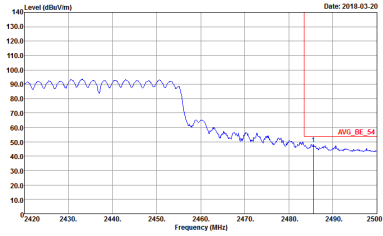


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 51</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 51</p>	<p>Left blank</p>

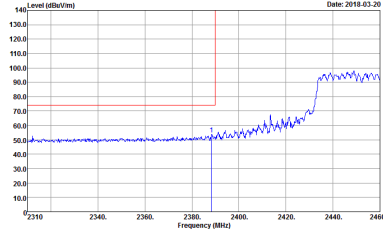
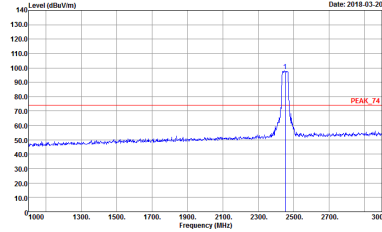
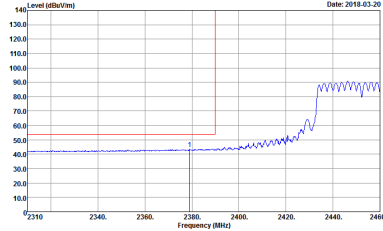
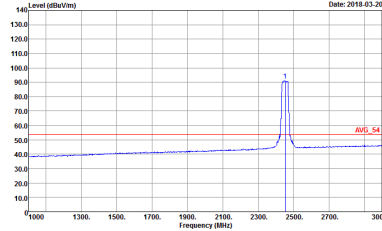


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - L	
1+2	Vertical	Fundamental
Peak	<p> Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51 </p>	<p> Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51 </p>
Avg.	<p> Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51 </p>	<p> Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51 </p>

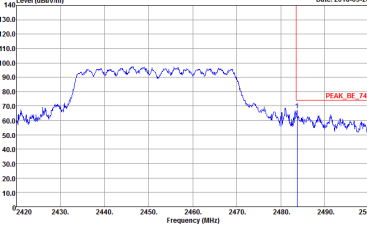
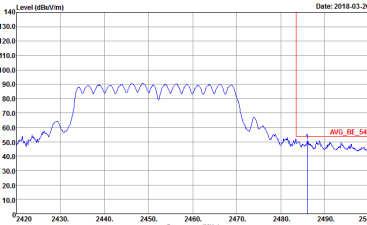


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH06 2437MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 820904 Setting : 51</p>	<p>Left blank</p>

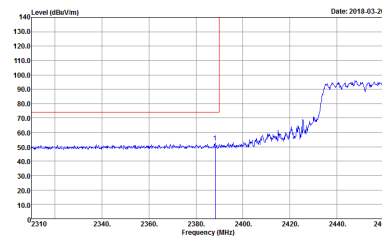
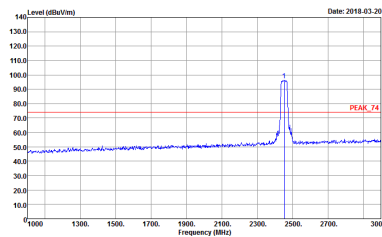
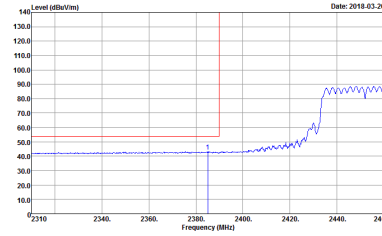
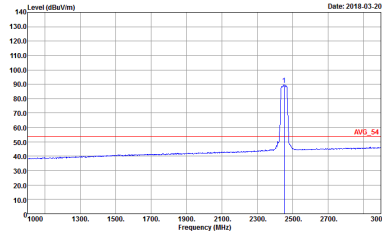


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>

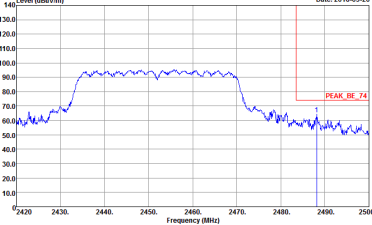



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CHI1-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CHI1-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 38</p>	<p>Left blank</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>	 <p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>	 <p>Site : 03CH11-HY Condition : AVG_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT40 CH09 2452MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 38</p>	<p>Left blank</p>

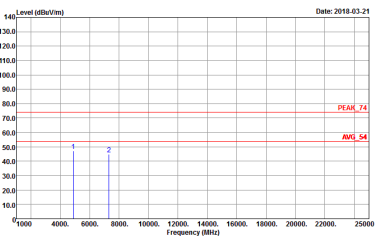
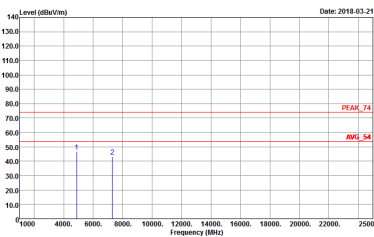


2.4GHz 2400~2483.5MHz

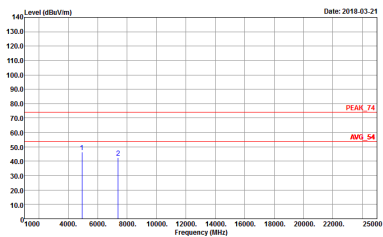
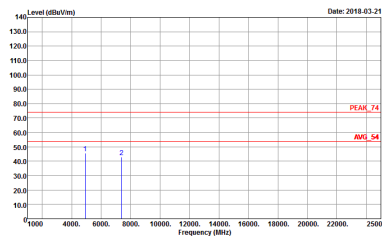
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 09CH11-HY Condition : PEAk_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 52</p>	<p>Site : 09CH11-HY Condition : PEAk_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 52</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 70</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 70</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : -51</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : -51</p>

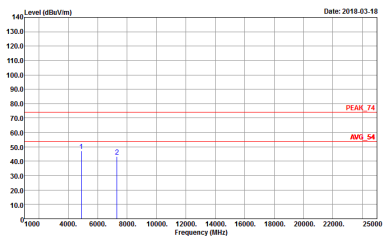
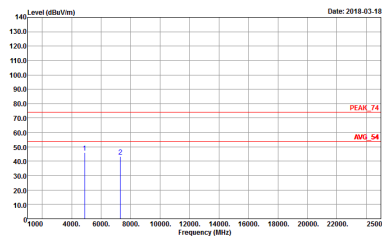


2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : 53</p>	<p>Site : 03CH11-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : 53</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : -69</p>	 <p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : -69</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 820904 Setting : -47</p>	<p>Site : 03CH11-11Y Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 820904 Setting : -47</p>



Emission below 1GHz
2.4GHz WIFI 802.11g (LF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH11-HY Condition : QP 3m BE-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 820904</p>	<p>Site : 03CH11-HY Condition : QP 3m BE-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 820904</p>



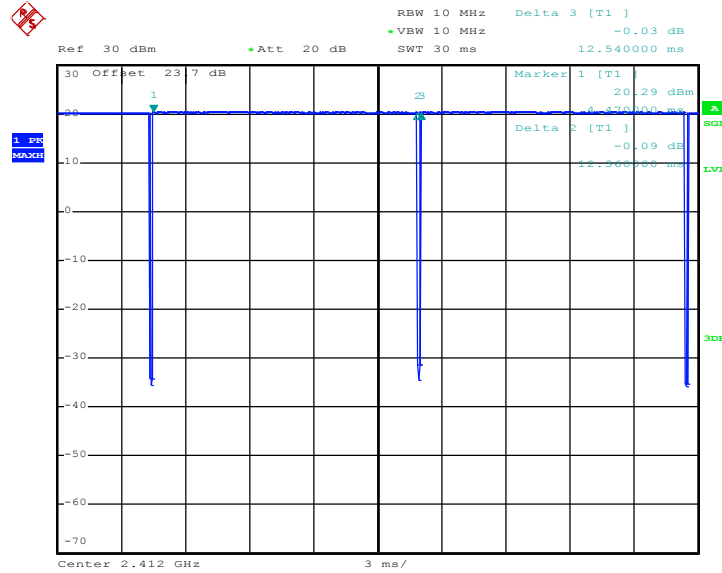
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11b	98.56	-	-	10Hz	0.06
2	802.11b	99.04	-	-	10Hz	0.04
1+2	802.11g for Ant. 1	94.44	2040	0.49	1kHz	0.25
1+2	802.11g for Ant. 2	95.37	2060	0.49	1kHz	0.21
1+2	2.4GHz 802.11n HT20 for Ant. 1	95.00	1900	0.53	1kHz	0.22
1+2	2.4GHz 802.11n HT20 for Ant. 2	93.14	1900	0.53	1kHz	0.31
1+2	2.4GHz 802.11n HT40 for Ant. 1	90.38	940	1.06	3kHz	0.44
1+2	2.4GHz 802.11n HT40 for Ant. 2	89.42	930	1.08	3kHz	0.49



<Ant. 1>

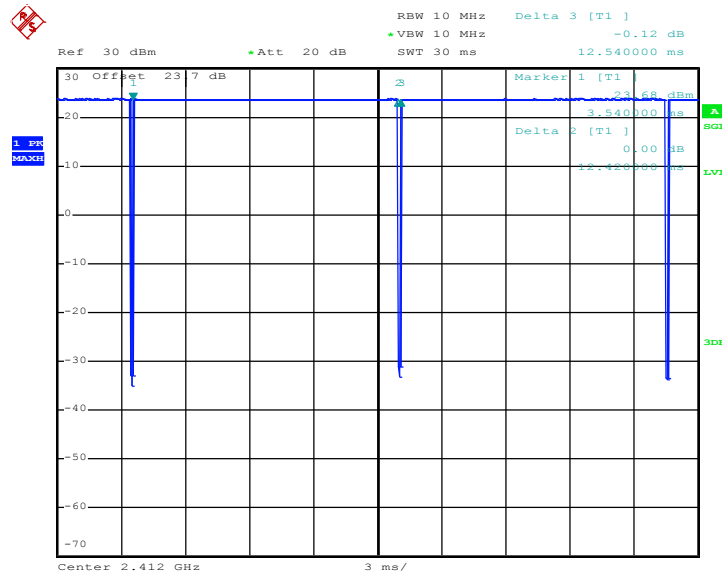
802.11b



Date: 27.FEB.2018 23:26:24

<Ant. 2>

802.11b

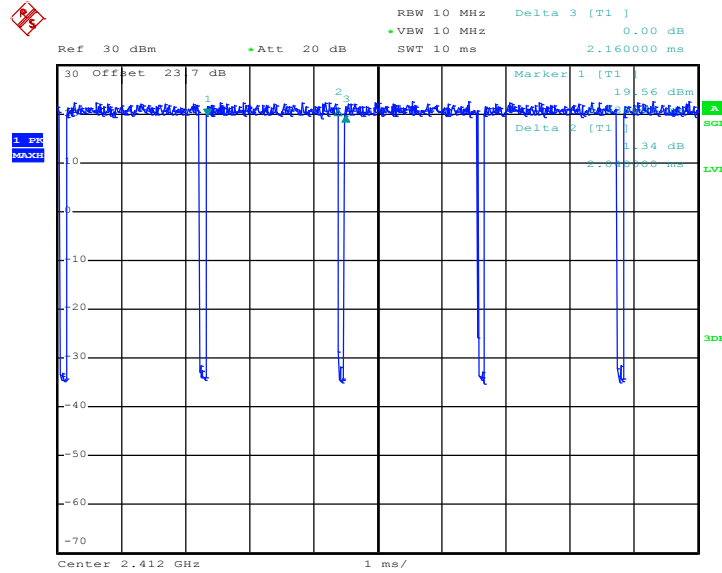


Date: 19.JAN.2018 23:05:58



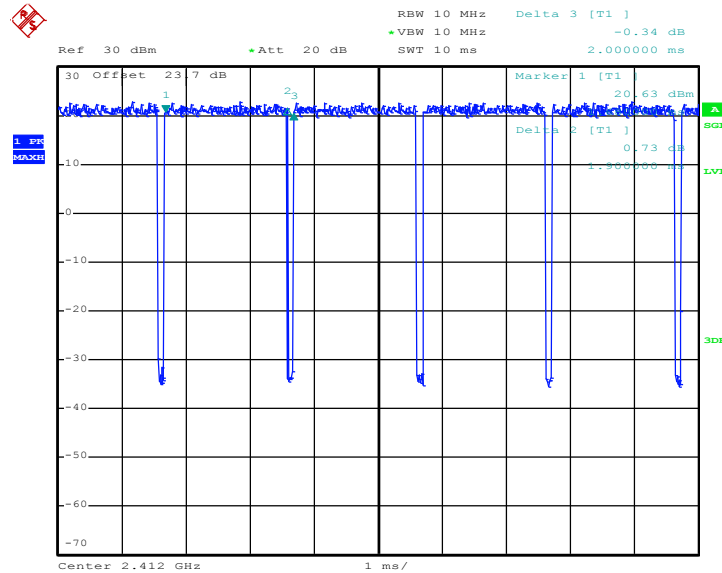
MIMO <Ant. 1>

802.11g



Date: 19.JAN.2018 23:17:29

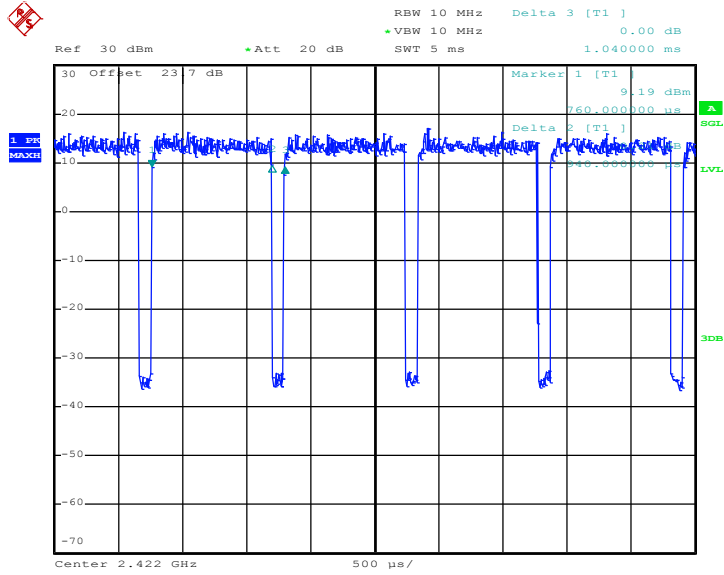
802.11n HT20



Date: 19.JAN.2018 23:25:37



802.11n HT40

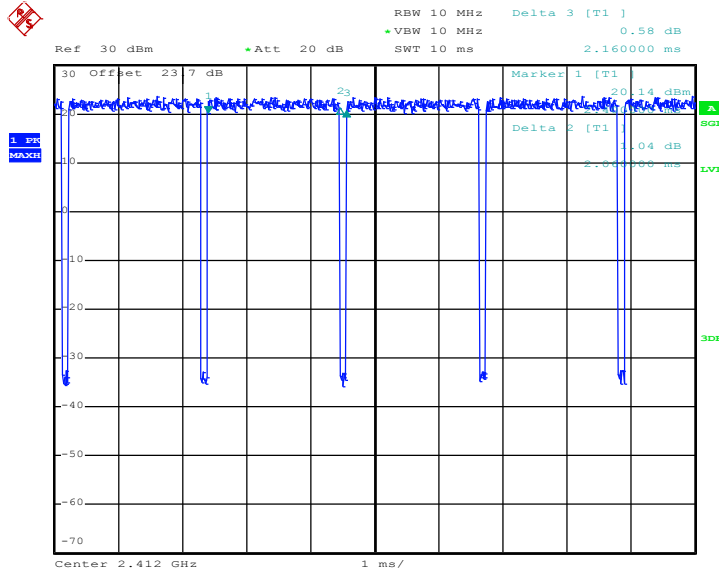


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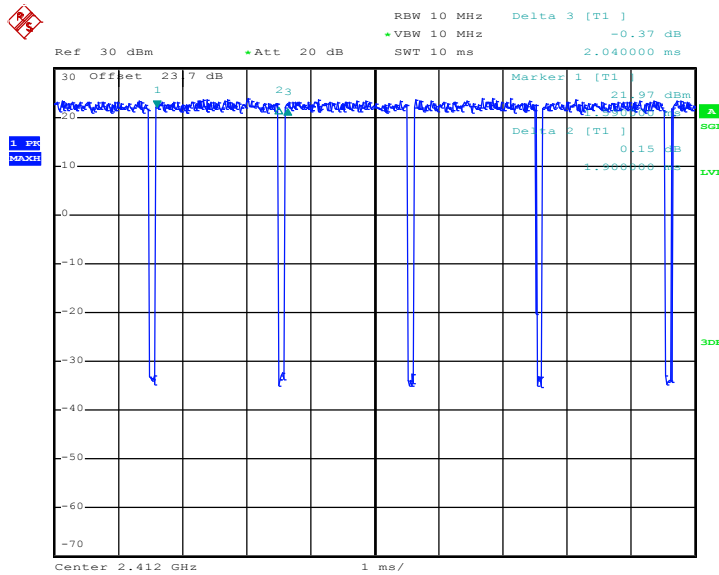
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802.11g



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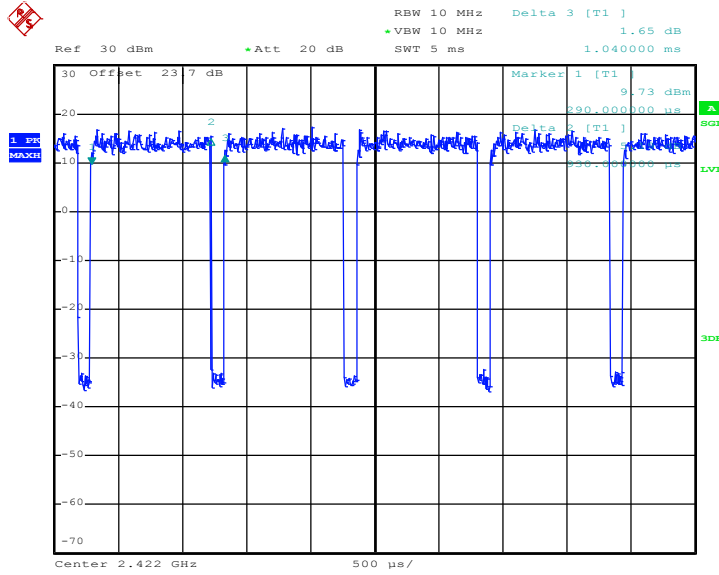
802.11n HT20



Date: 19.JAN.2018 23:26:44



802.11n HT40



Date: 19.JAN.2018 23:44:04

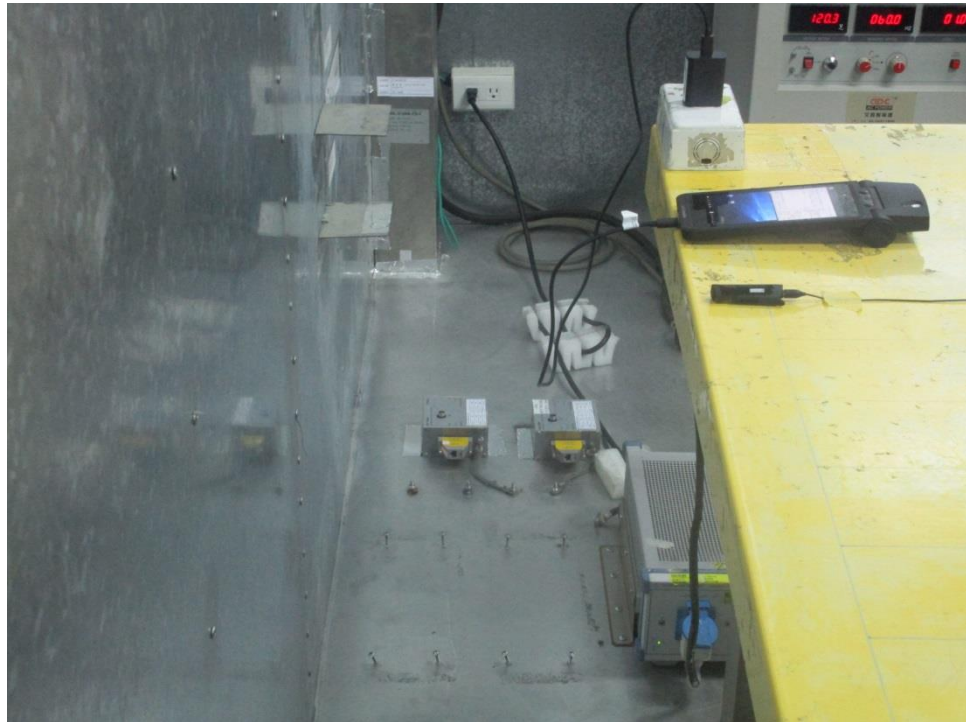
Appendix F. Setup Photographs

<Conducted Emission>

Mode 1

Remote View





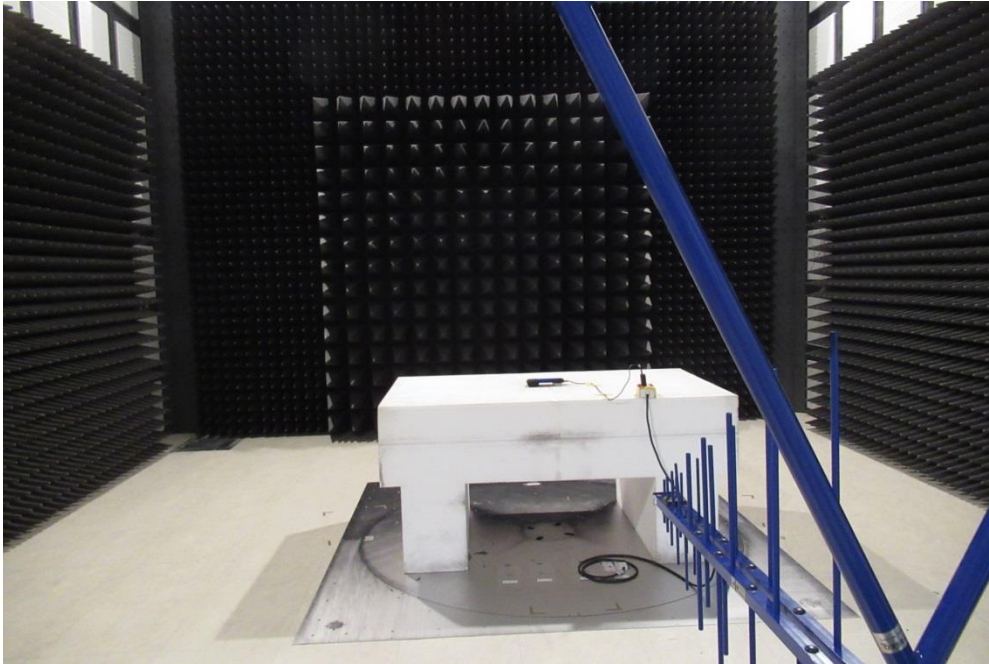
Rear View



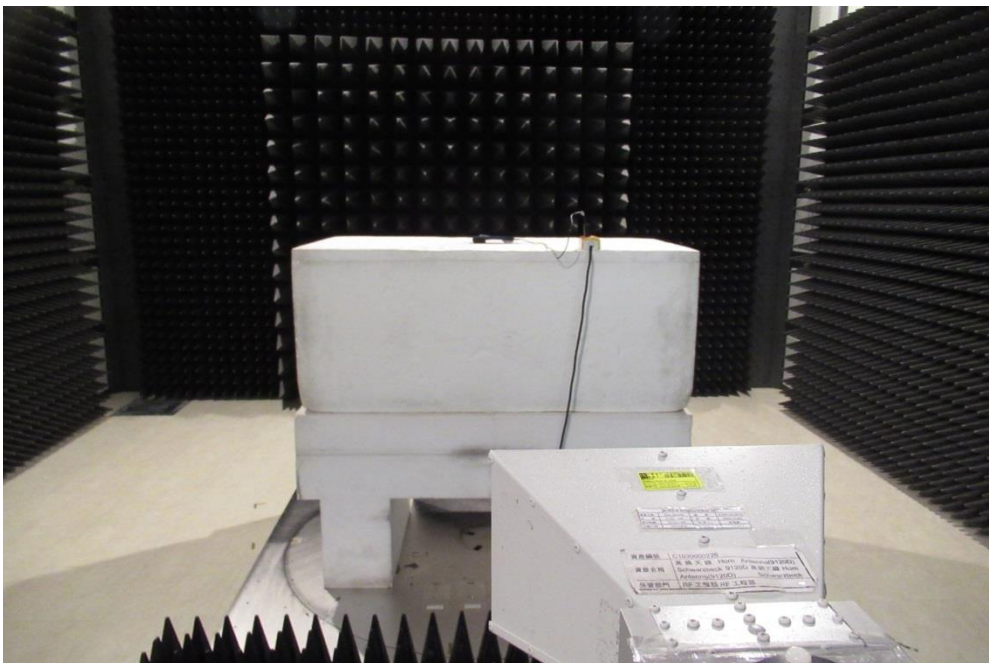
<Radiated Emission>

X Plane

LF

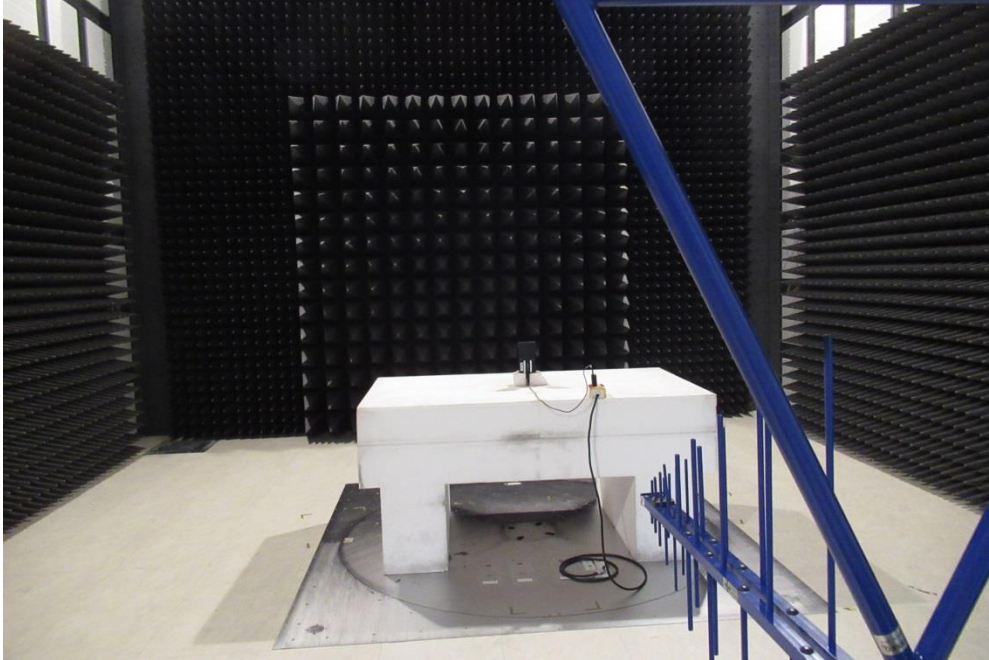


HF

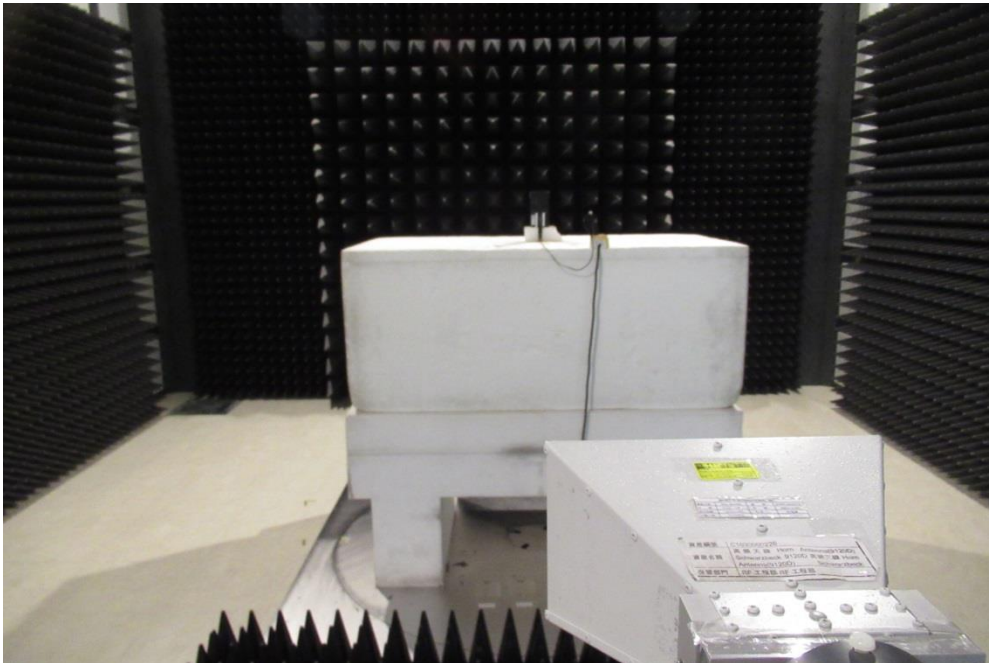


Y Plane

LF

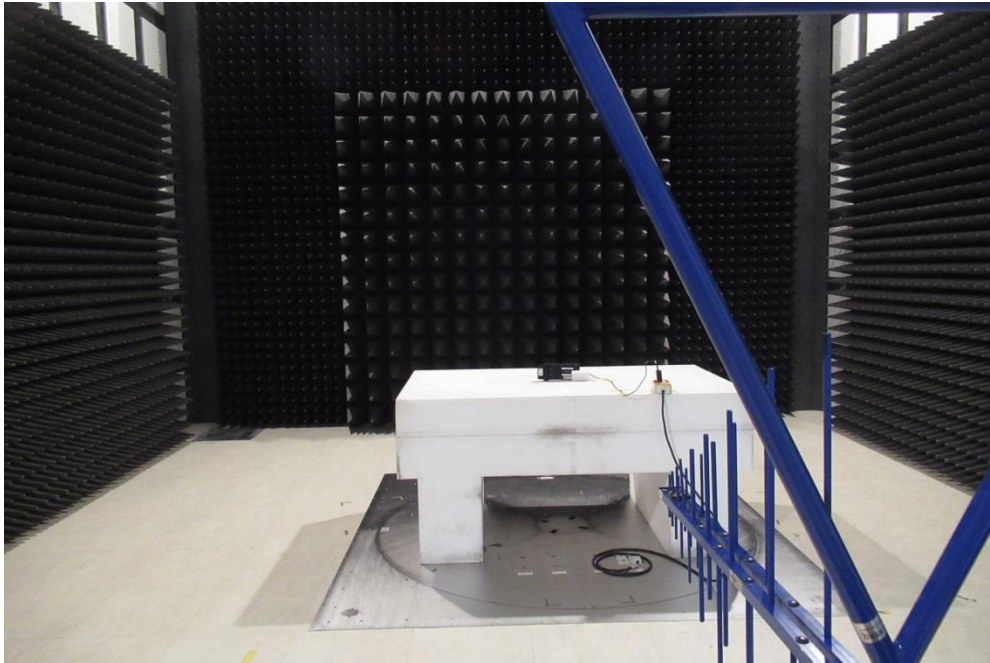


HF



Z Plane

LF



HF

