



# FCC RADIO TEST REPORT

**FCC ID** : XRAFB512  
**Equipment** : Smartwatch  
**Brand Name** : Fitbit  
**Model Name** : FB512  
**Applicant** : Fitbit, Inc.  
199 Fremont Street, 14th Floor, San Francisco, CA 94105 USA  
**Manufacturer** : Fitbit, Inc.  
199 Fremont Street, 14th Floor, San Francisco, CA 94105 USA  
**Standard** : FCC Part 15 Subpart C §15.247

The product was received on Jun. 03, 2020 and testing was started from Jun. 15, 2020 and completed on Jul. 15, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

*Louis Wu*

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issued Date
FR052653C	01	Initial issue of report	Aug. 06, 2020



## Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	Under limit 3.76 dB at 2483.520 MHz
3.6	15.207	AC Conducted Emission	Pass	Under limit 9.69 dB at 0.900 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	Pass	-

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Lucy Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	Cloth strap
Sample 2	Plastic strap
Antenna Type	WLAN: Ring slot Antenna Bluetooth: Ring slot Antenna GPS: metal split-ring Antenna NFC: Loop Antenna

## 1.2 Modification of EUT

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



### 1.3 Testing Location

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	TH05-HY	CO05-HY

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
<b>Test Site Location</b>	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	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	03CH18-HY	

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

FCC designation No.: TW1190 and TW0007

### 1.4 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 v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ 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. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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 (Y plane) 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	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442		



## 2.2 Test Mode

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

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

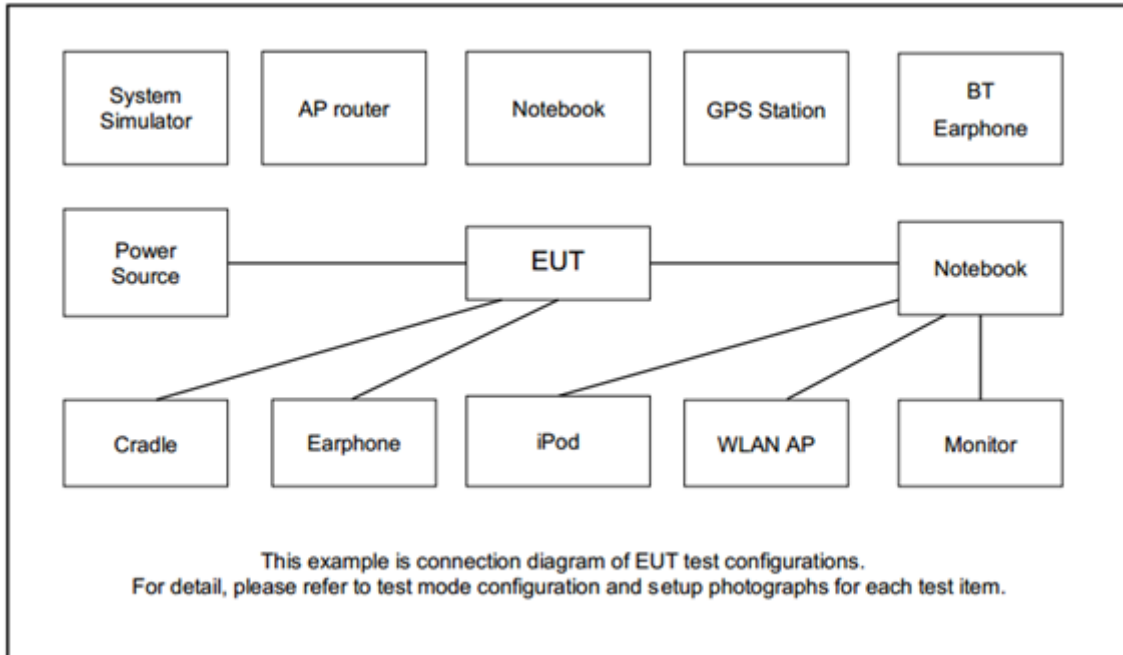
Test Cases	
<b>AC Conducted Emission</b>	Mode 1 :WLAN (2.4GHz) Link + GPS Rx + Vibrate + Screen Flicker + Battery + USB Cable (Charging from Notebook) for Sample 1 Mode 2: Bluetooth Link + MP3 + Battery + USB Cable (Charging from Adapter) for Sample 1
<b>Remark:</b>	
<ol style="list-style-type: none"> <li>The worst case of conducted emission is mode 1; only the test data of it was reported.</li> <li>For Radiated Test Cases, the tests were performed with Battery 1 and Sample 2.</li> </ol>	

Ch. #	2400-2483.5 MHz		
	802.11b	802.11g	802.11n HT20
Low	01	01	01
Middle	06	06	06
High	11	11	11
	12	12	12
	13	13	13

**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.



### 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.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	Apple	MacBook Pro(A1502)	QDS-BRCM 1080	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	iPod	Apple	A1199	FCC DoC	Shielded, 1.2 m	N/A
6.	Adapter	DVE	DSA-5PFM-05 FUS	N/A	N/A	N/A
7.	Adapter	Huawei	HW-059200UHQ	N/A	N/A	N/A
8.	LCD Monitor	ASUS	PB27UQ	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m



## 2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term ver.4.95” 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

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
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) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
6. Measure and record the results in the test report.

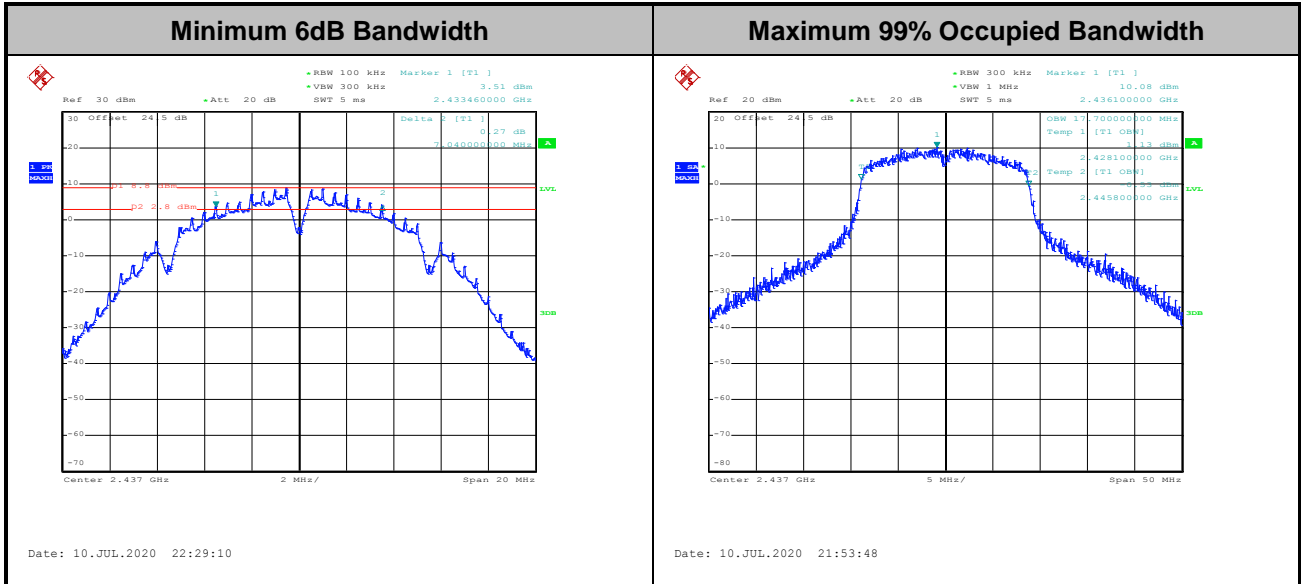
##### 3.1.4 Test Setup





### 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 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.

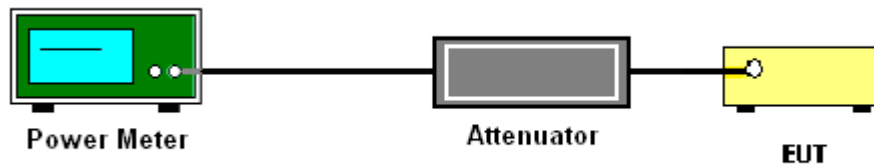
### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Average Output Power

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.

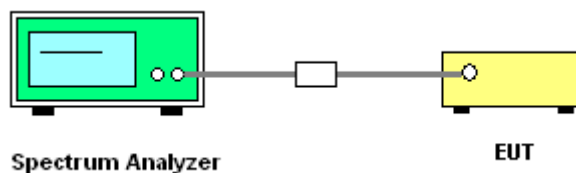
#### 3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

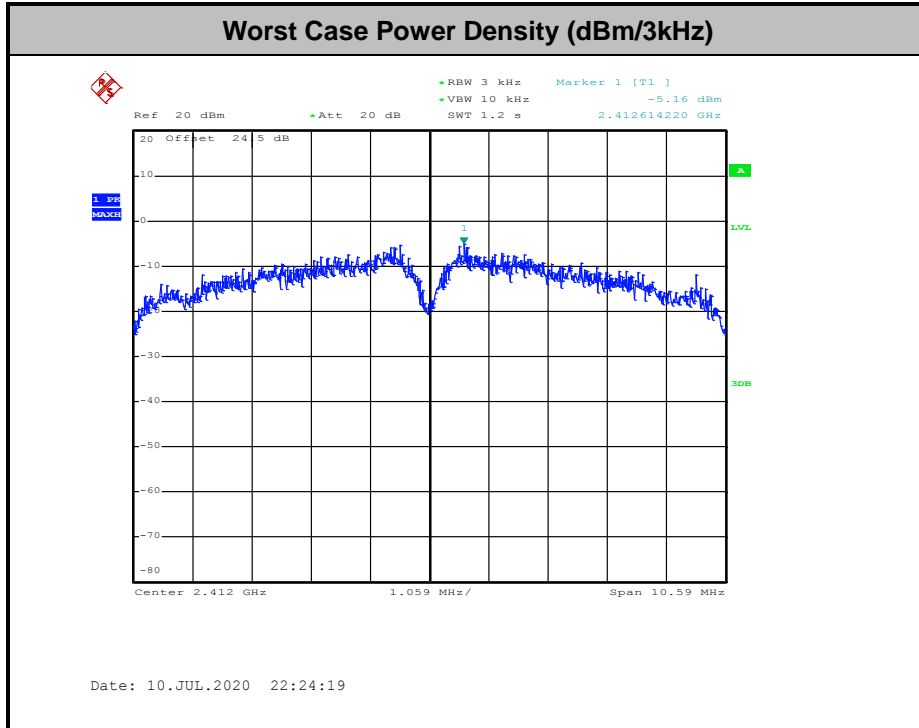
#### 3.3.4 Test Setup





### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



## 3.4 Conducted Band Edges and Spurious Emission Measurement

### 3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

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

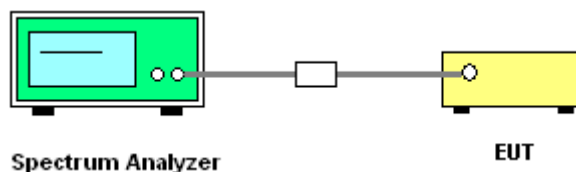
### 3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
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





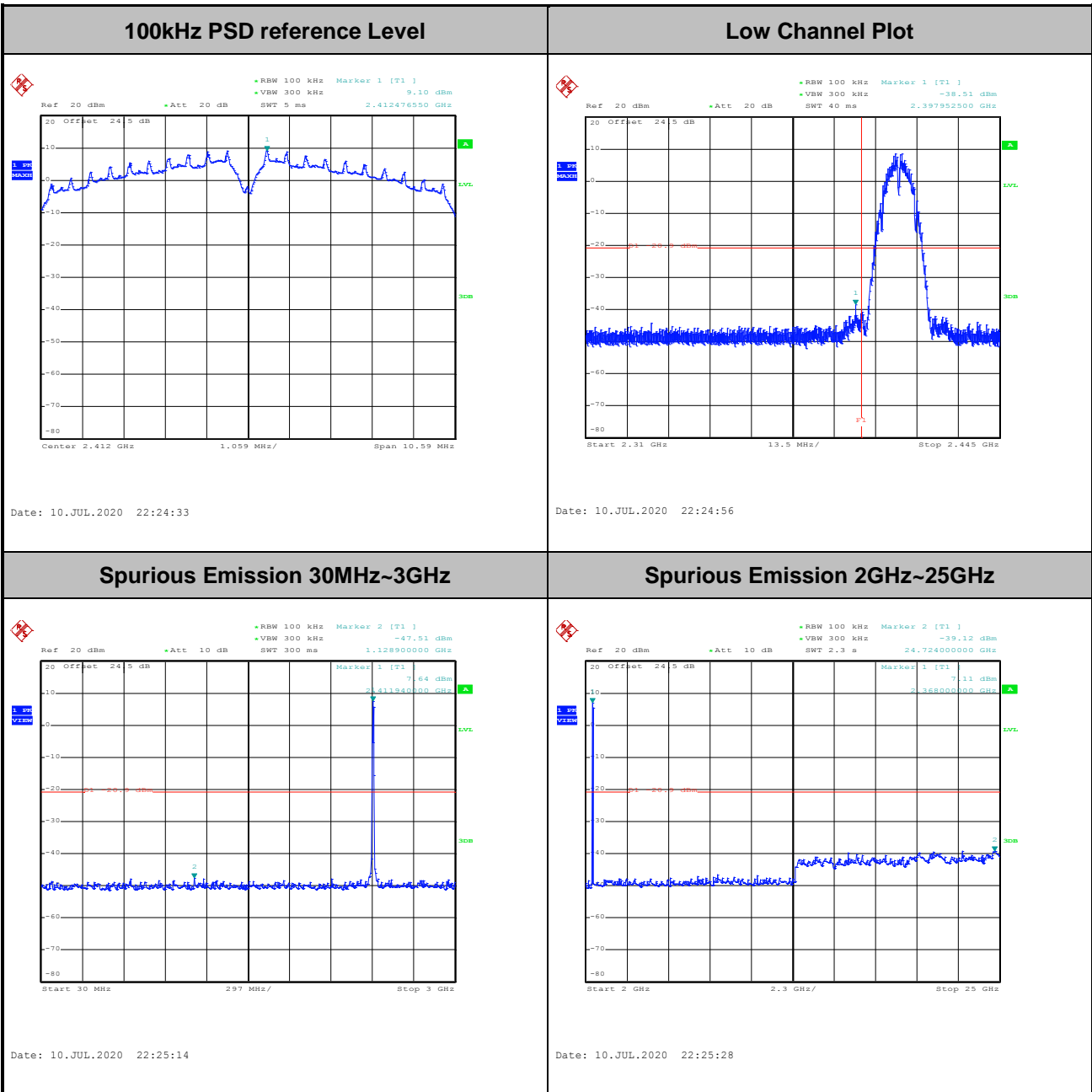


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Test Engineer : MINA LIU and Junyu Jhou	Temperature :	23.4~24.3°C
	Relative Humidity :	52.5~53.3%

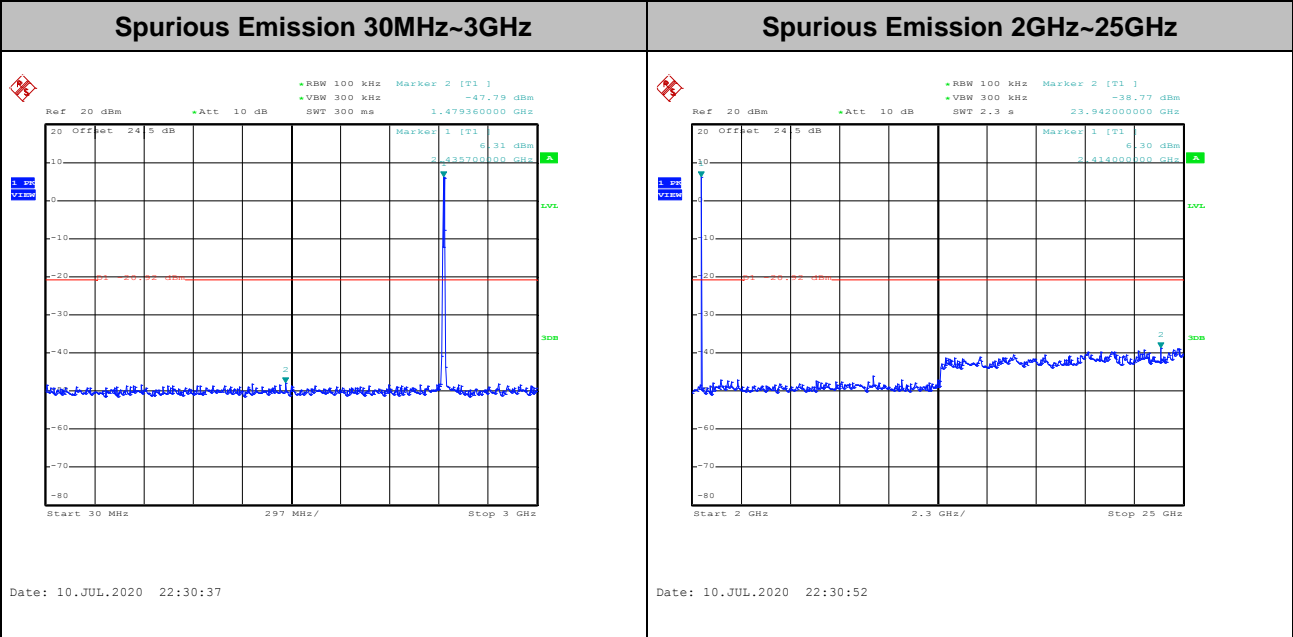
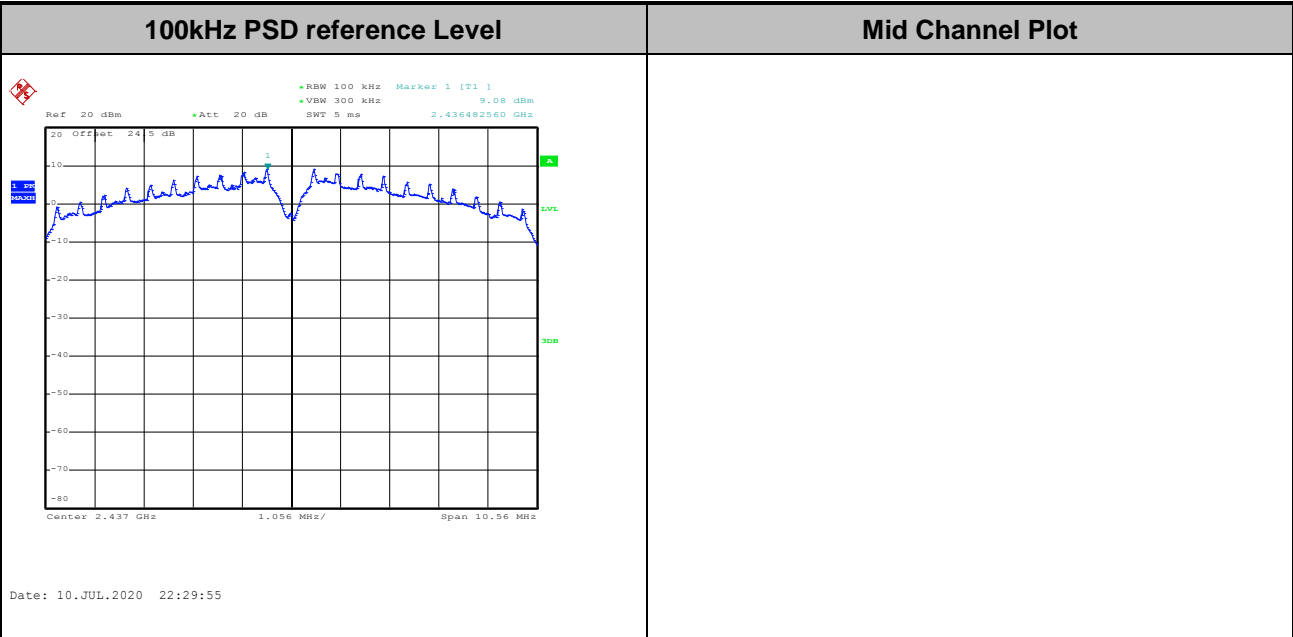
Number of TX = 1, Ant. 1 (Measured)

Test Mode :	802.11b	Test Channel :	01
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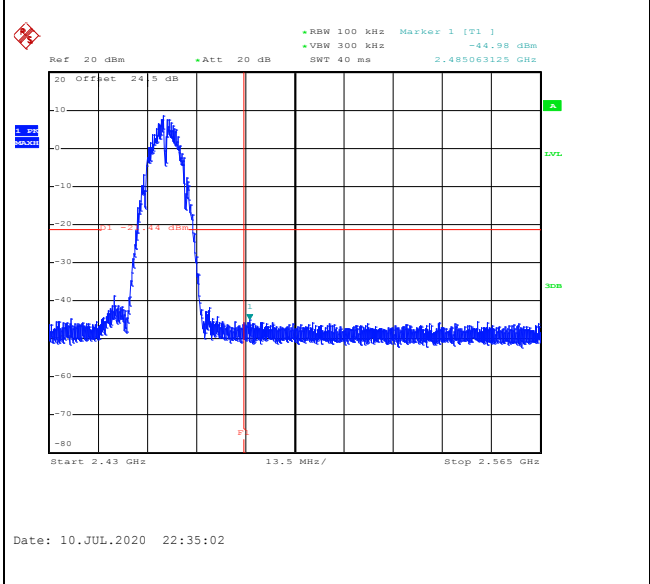
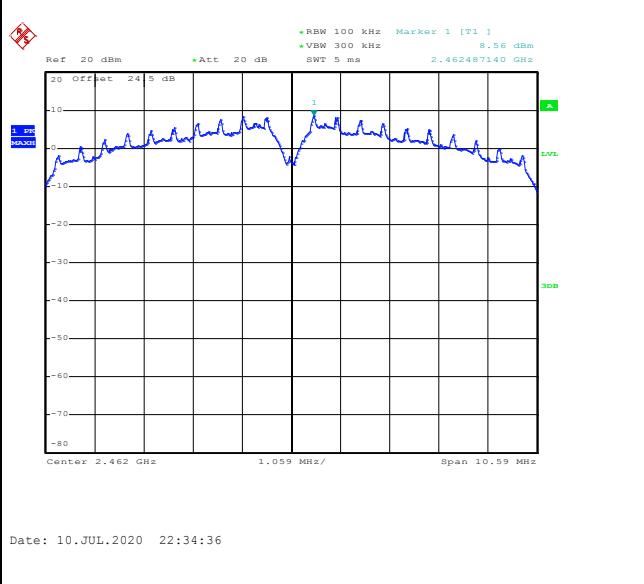
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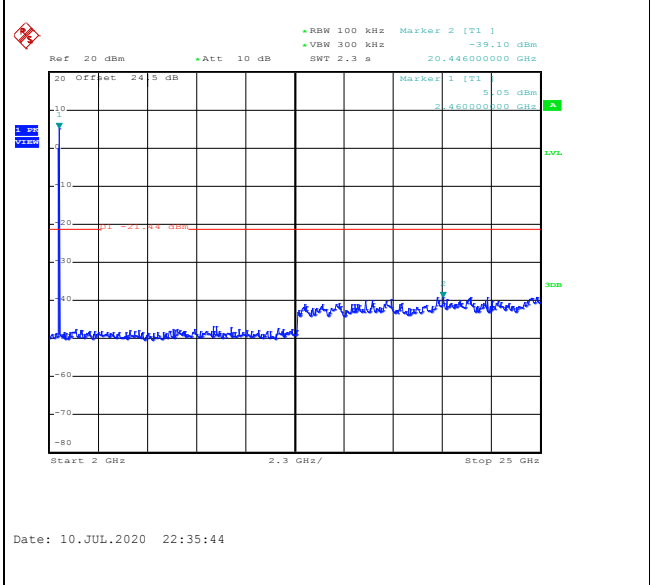
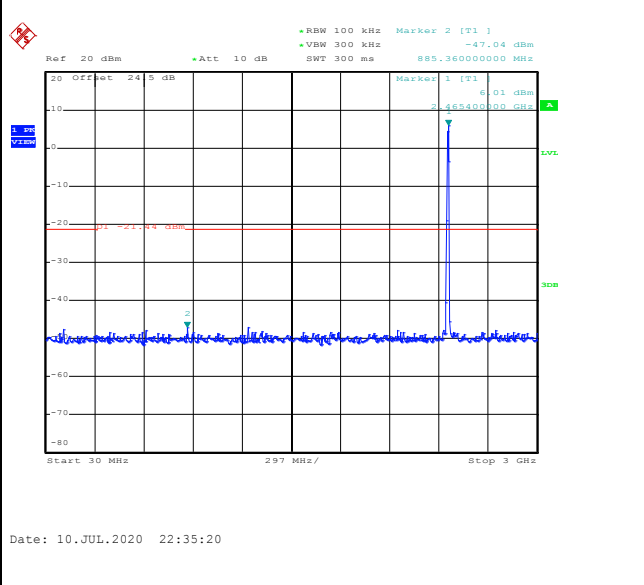


Test Mode :	802.11b	Test Channel :	11
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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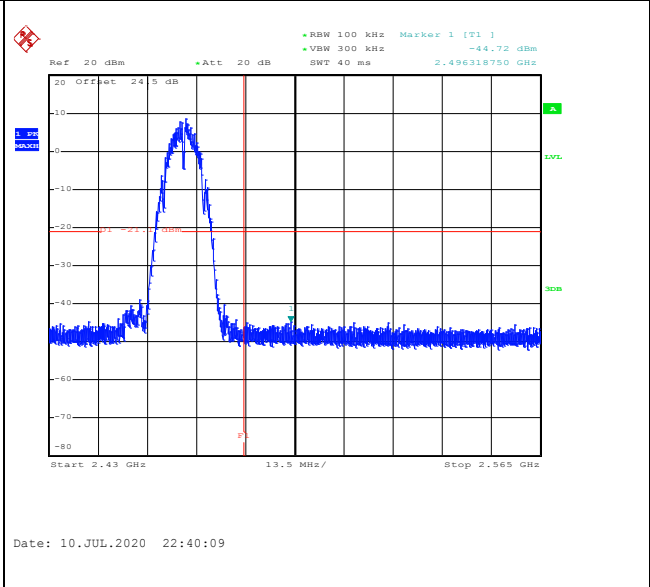
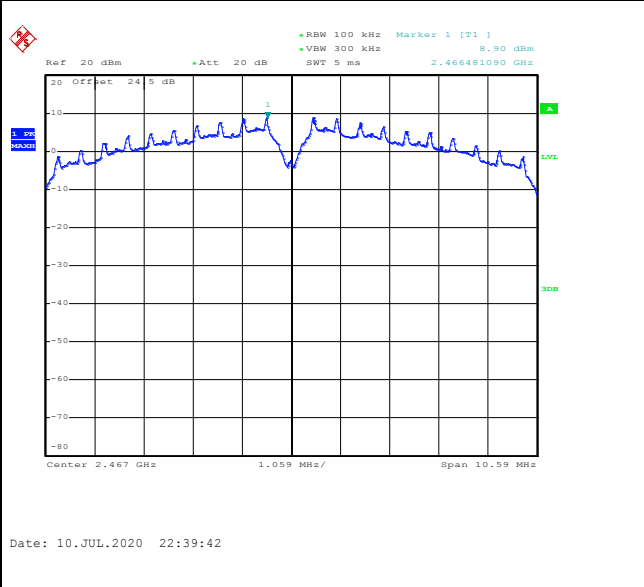
<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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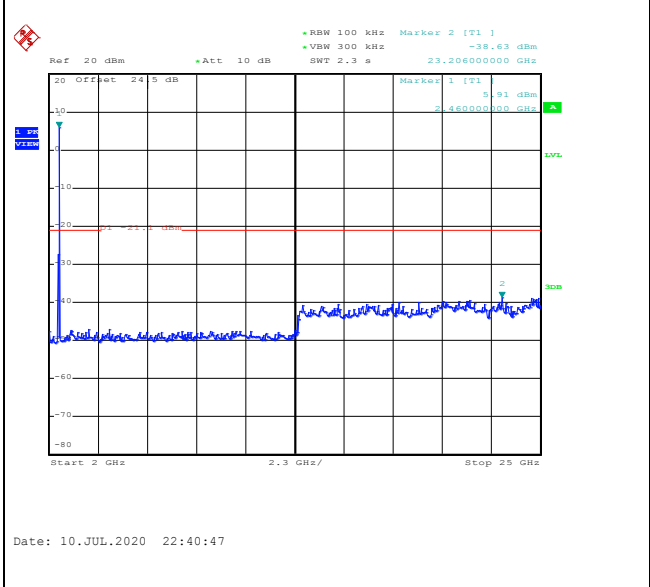
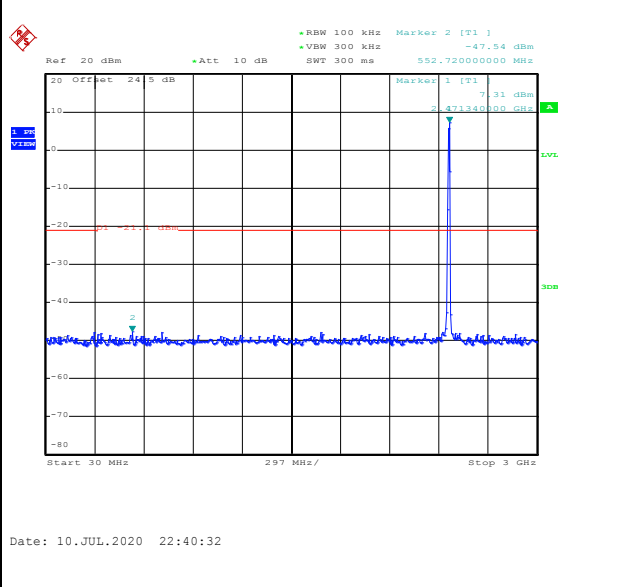


Test Mode :	802.11b	Test Channel :	12
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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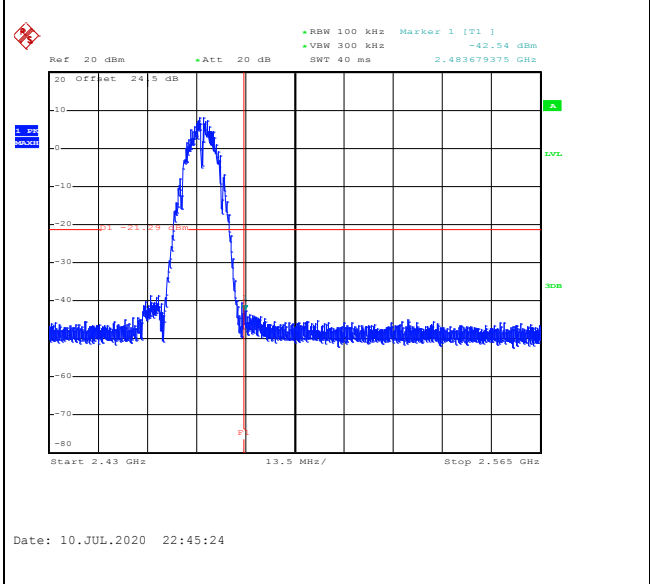
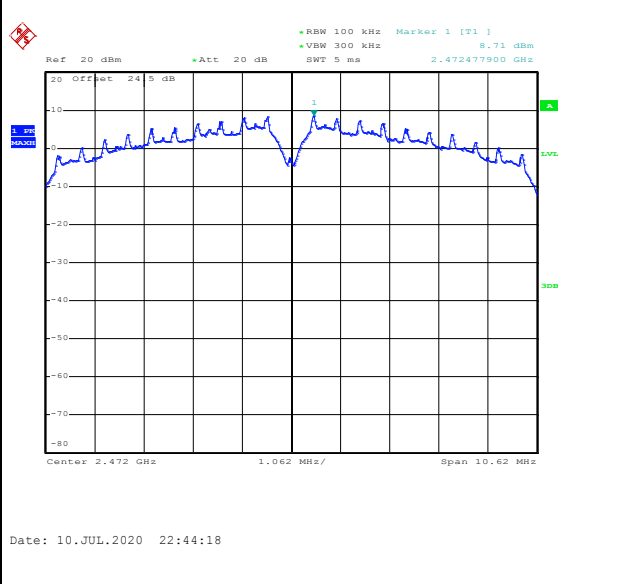
<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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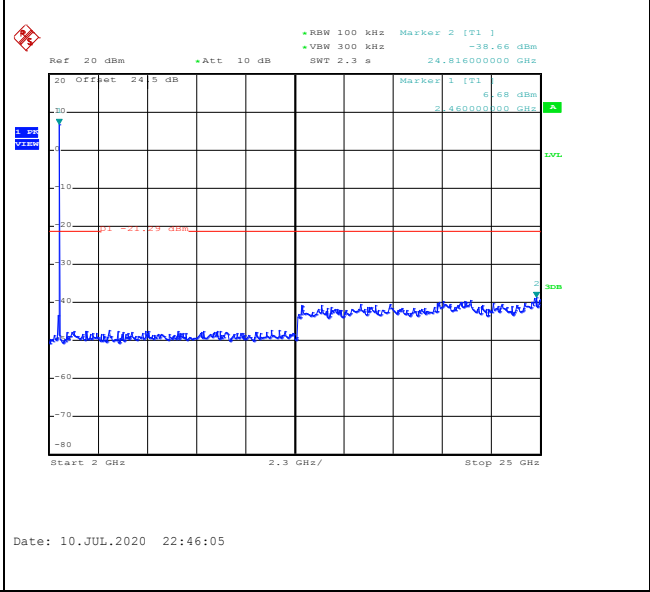
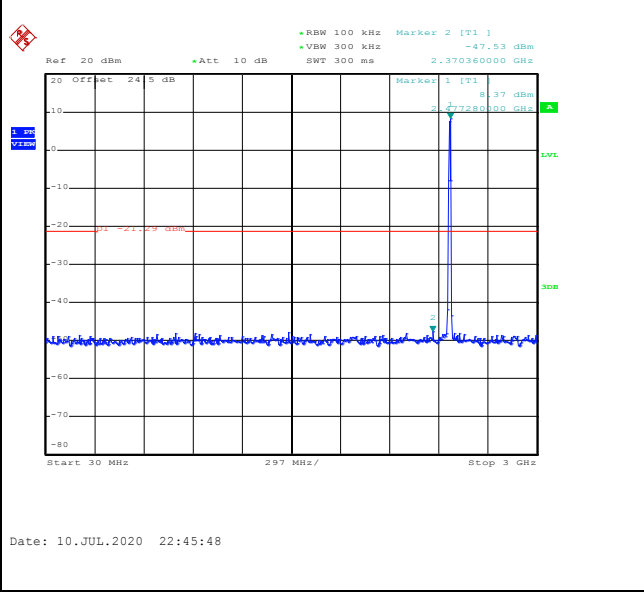


Test Mode :	802.11b	Test Channel :	13
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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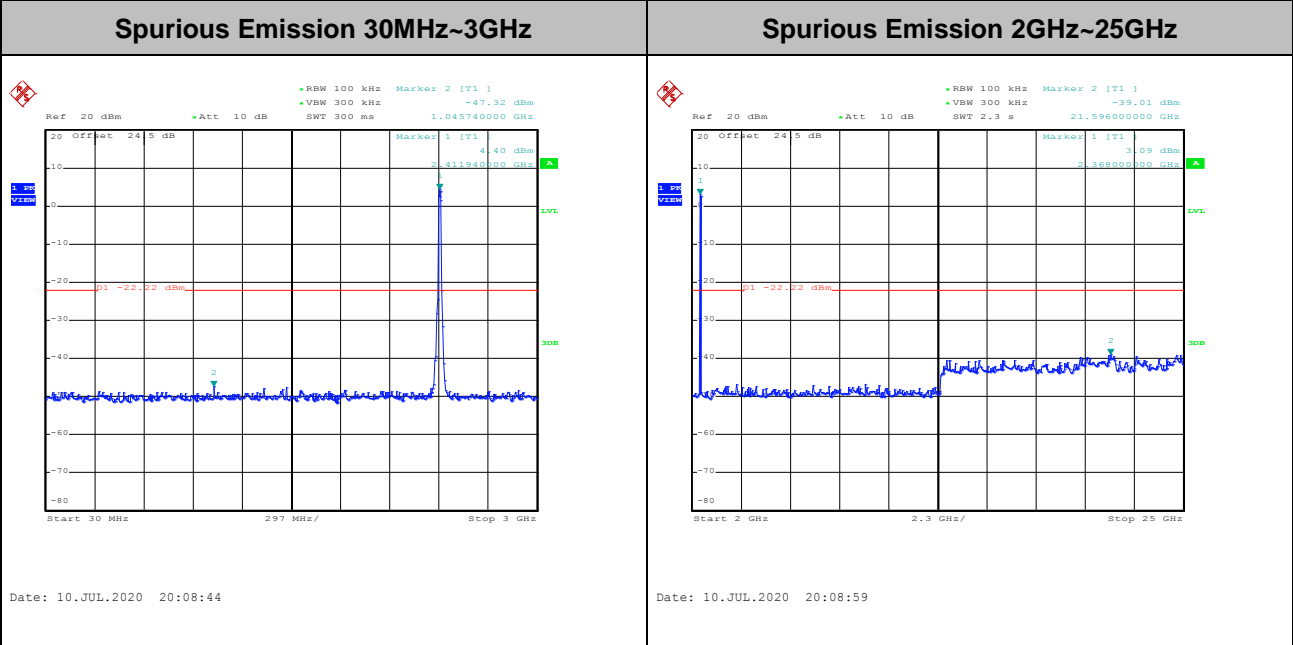
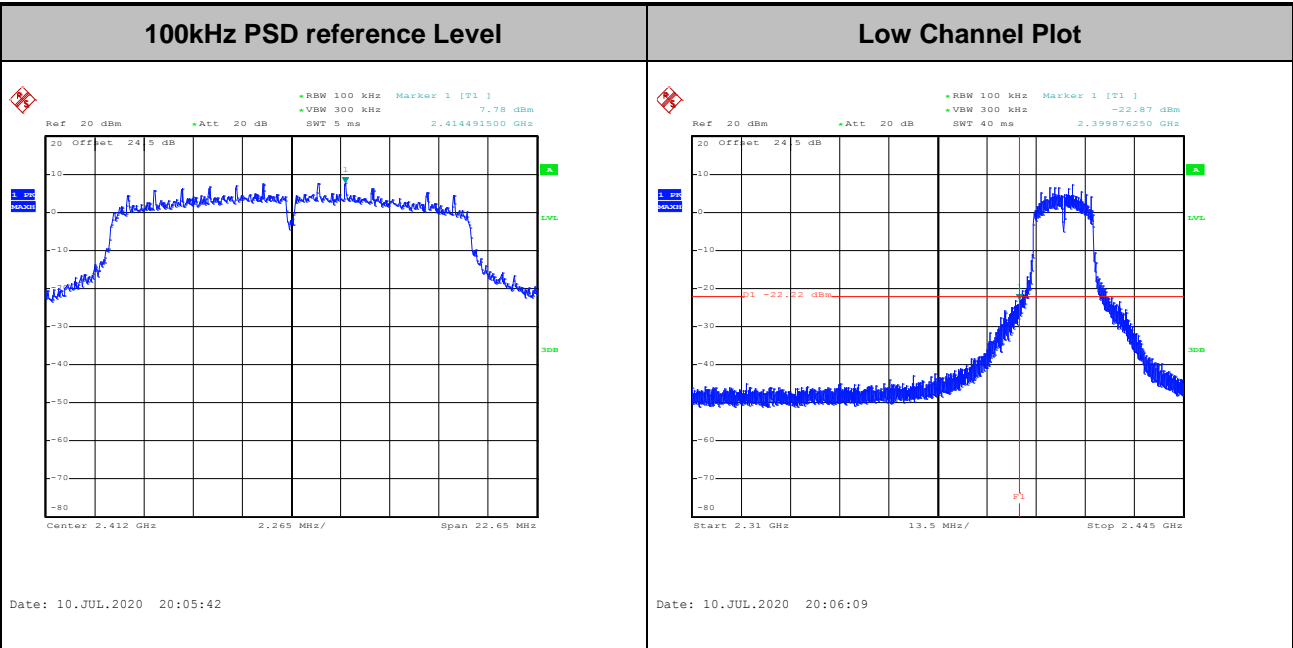


<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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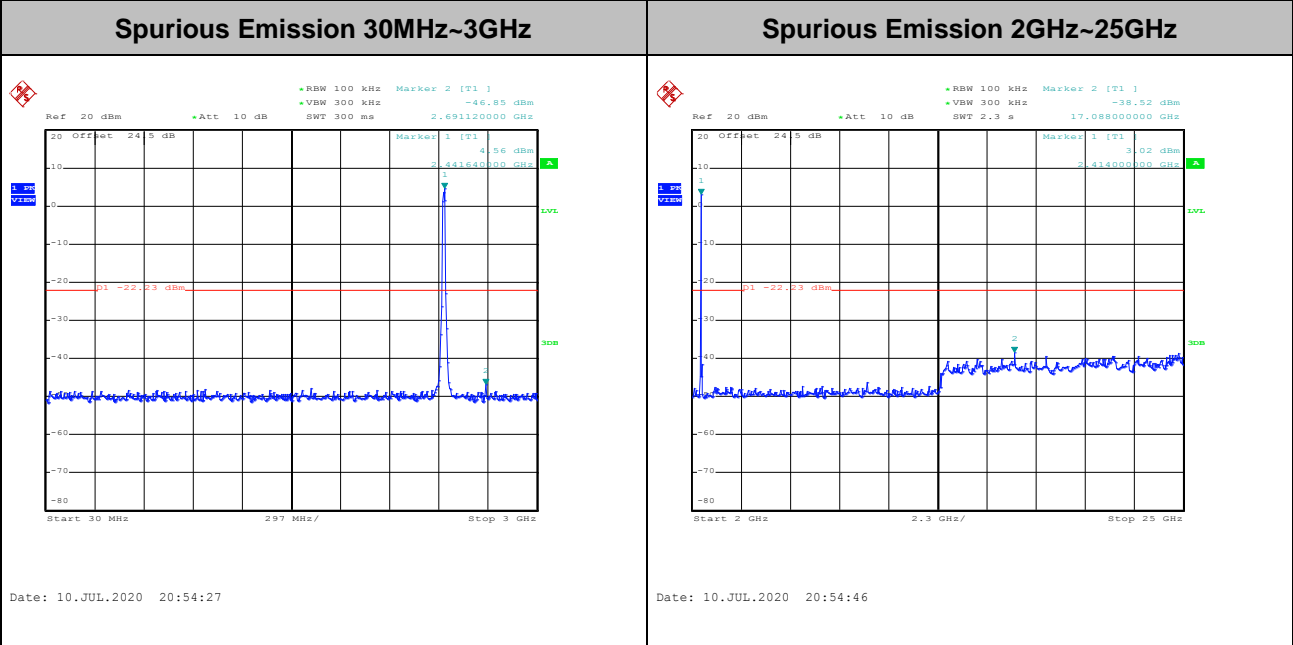
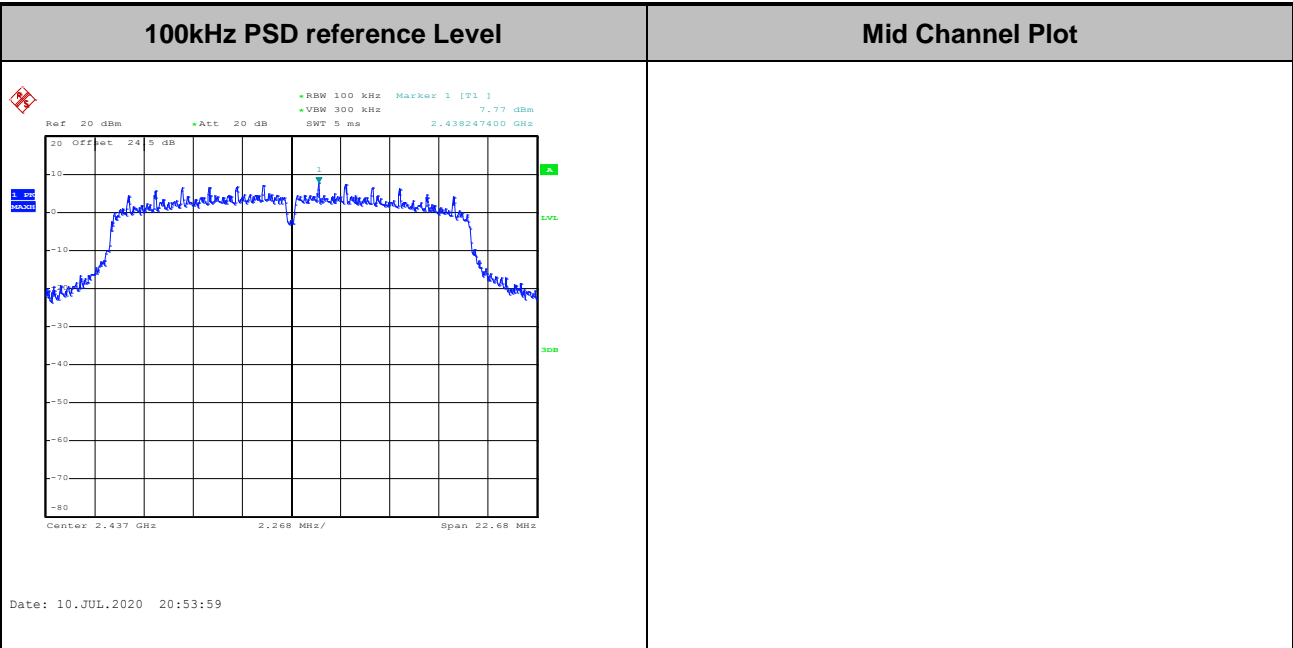


Test Mode :	802.11g	Test Channel :	01
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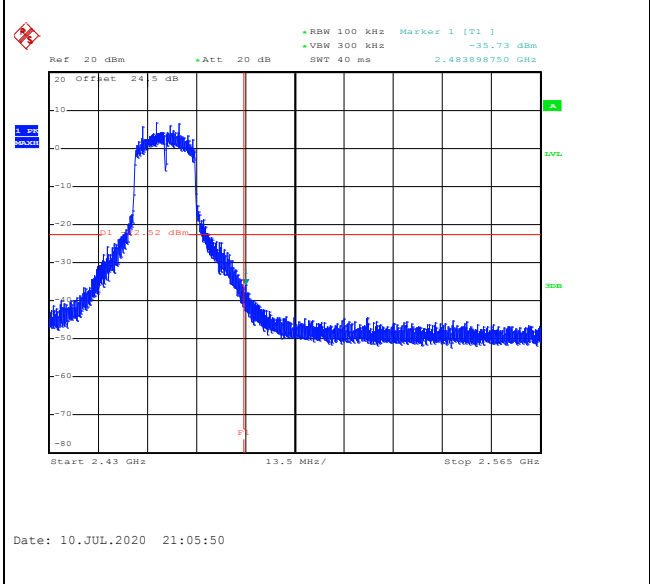
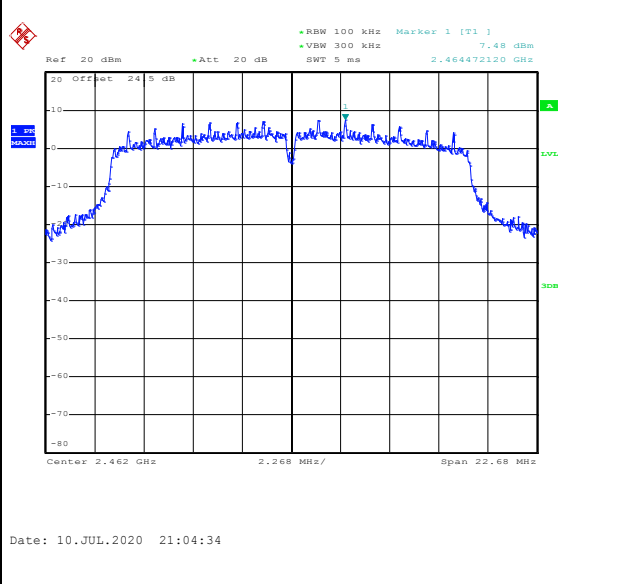
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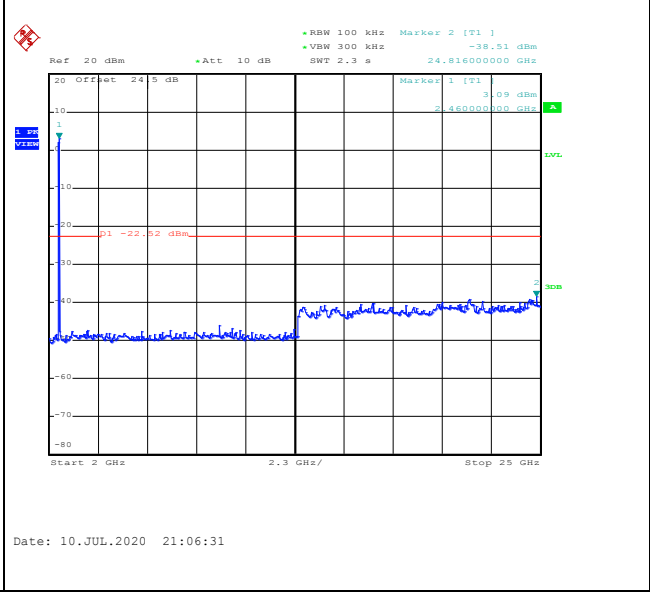
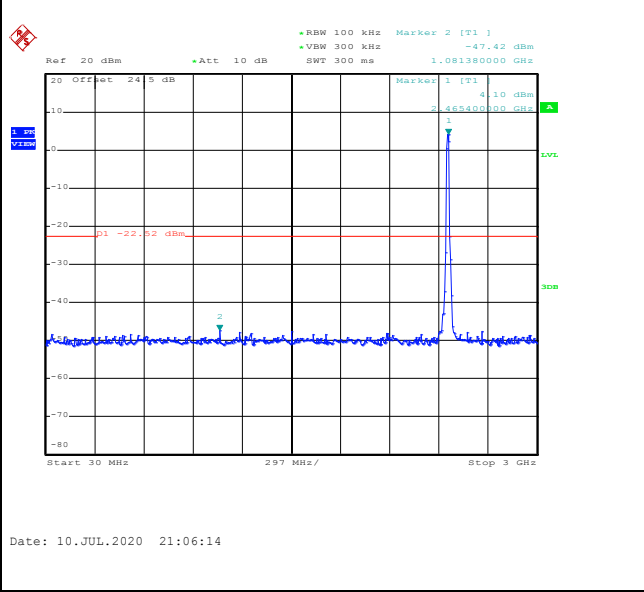


Test Mode :	802.11g	Test Channel :	11
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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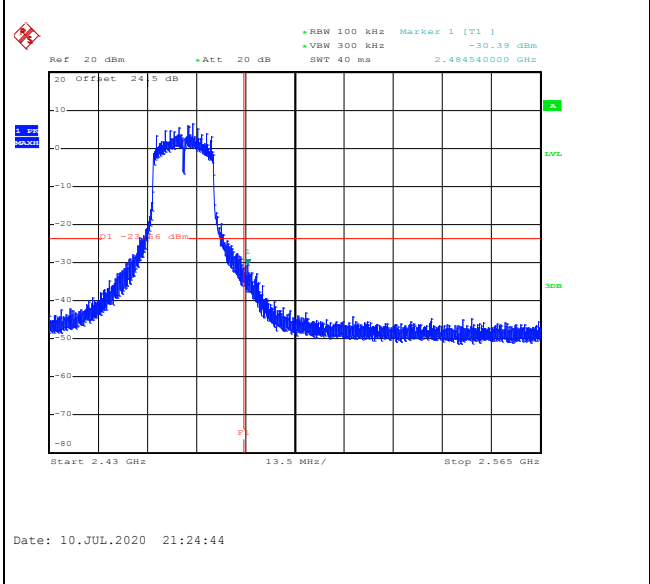
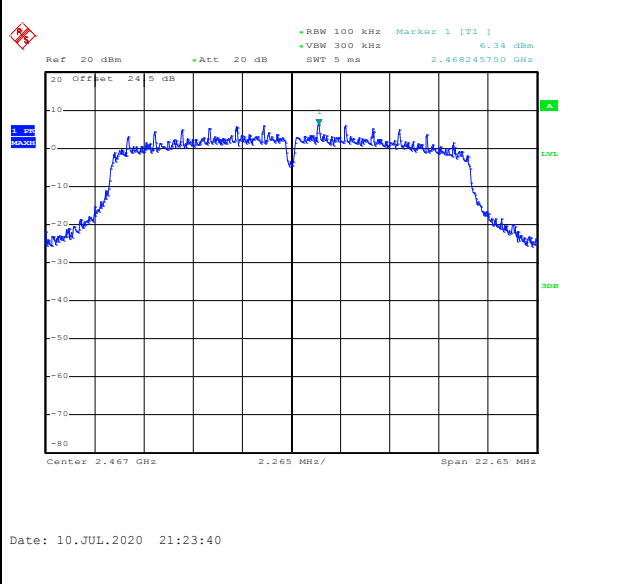




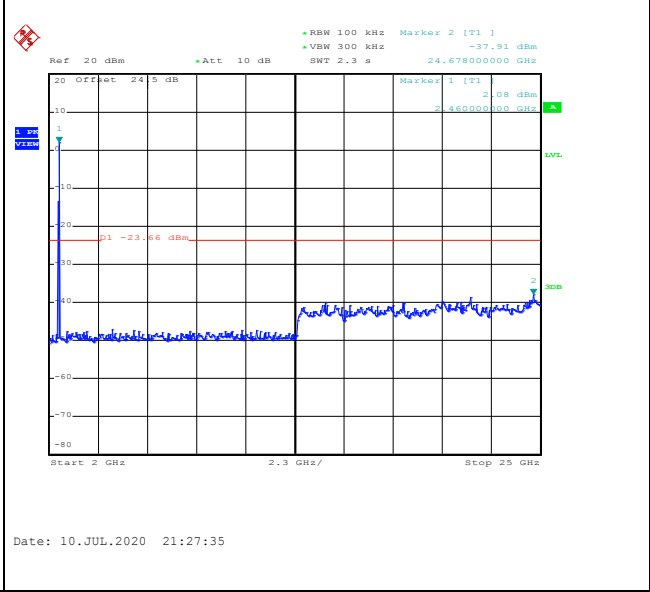
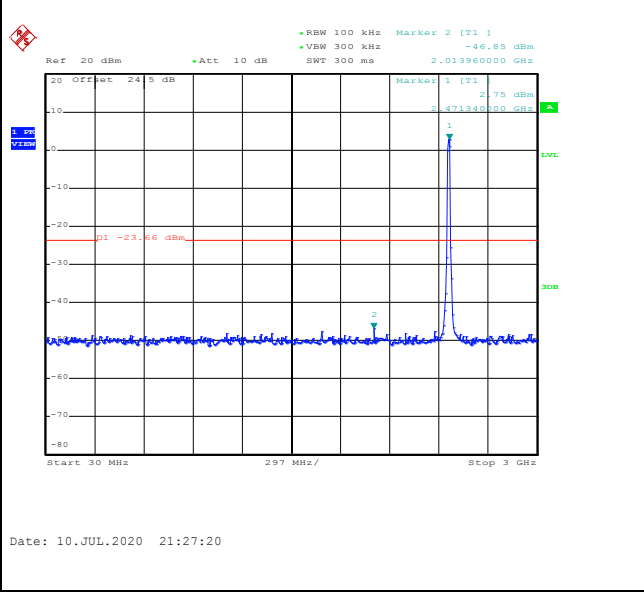


Test Mode :	802.11g	Test Channel :	12
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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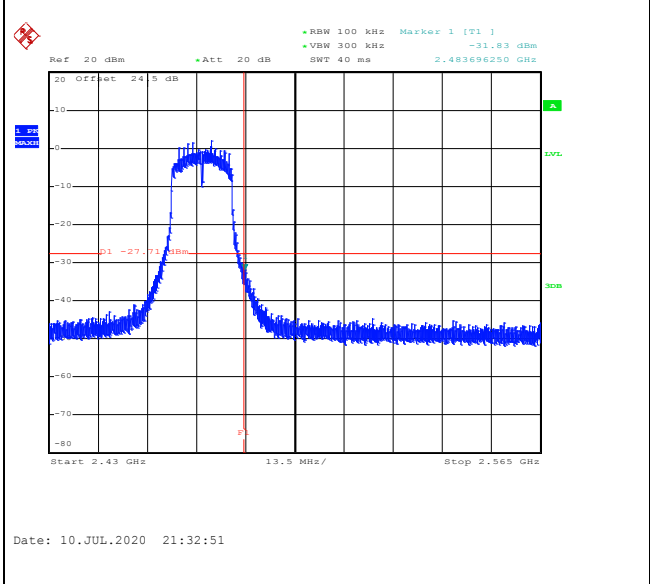
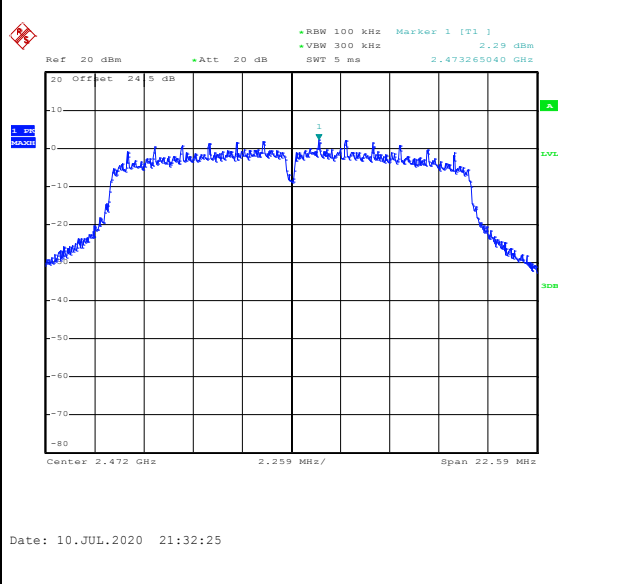
<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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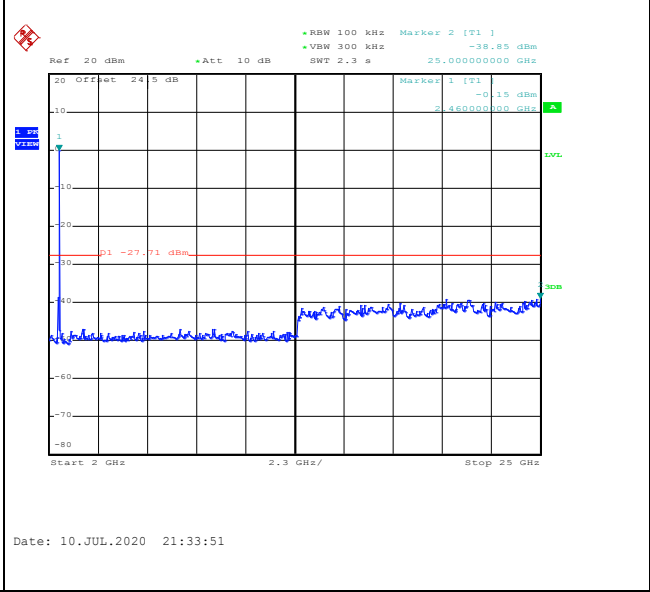
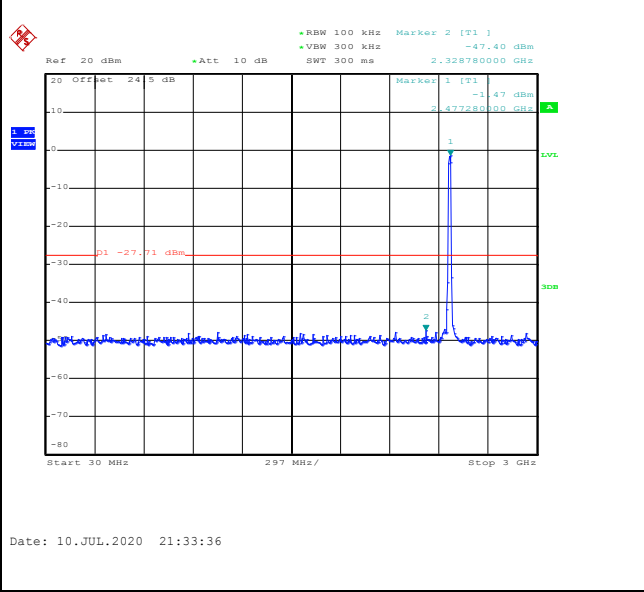


Test Mode :	802.11g	Test Channel :	13
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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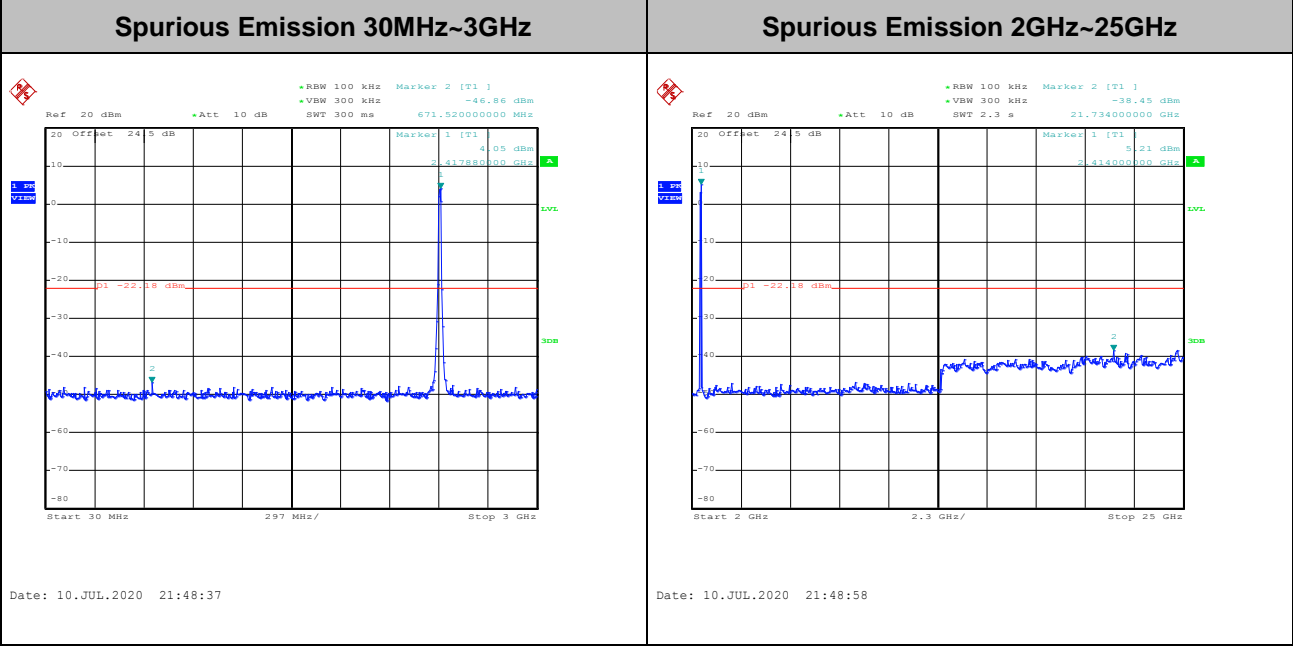
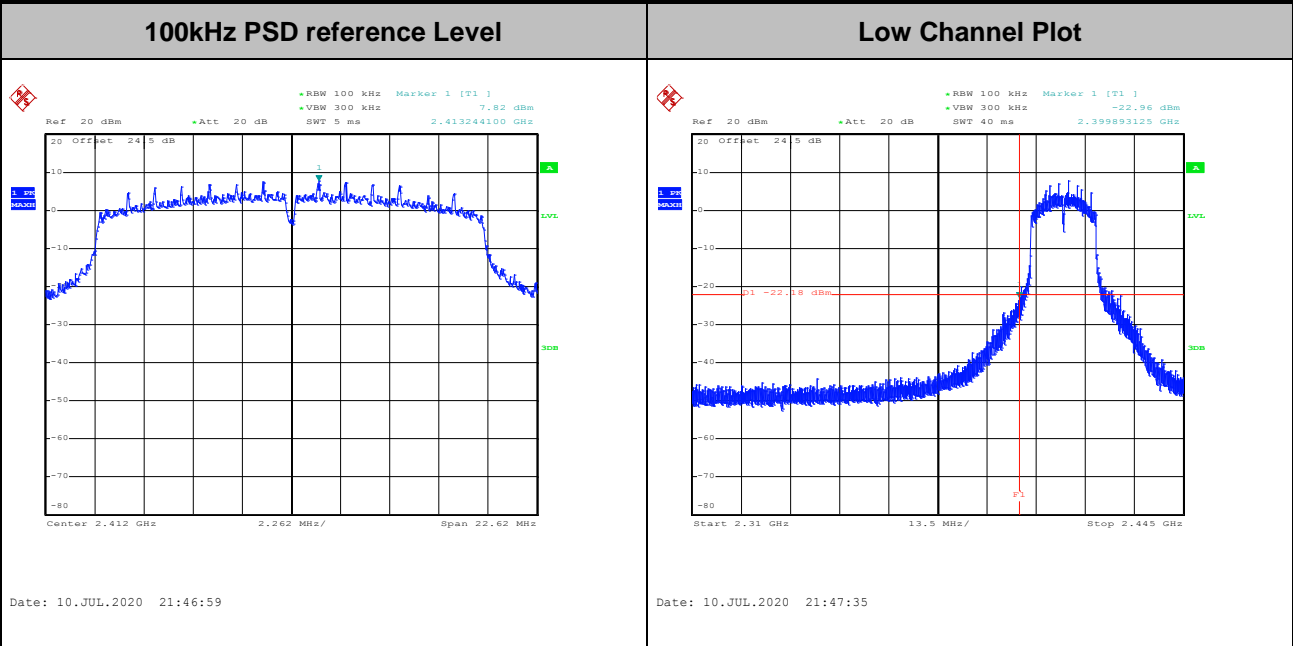


<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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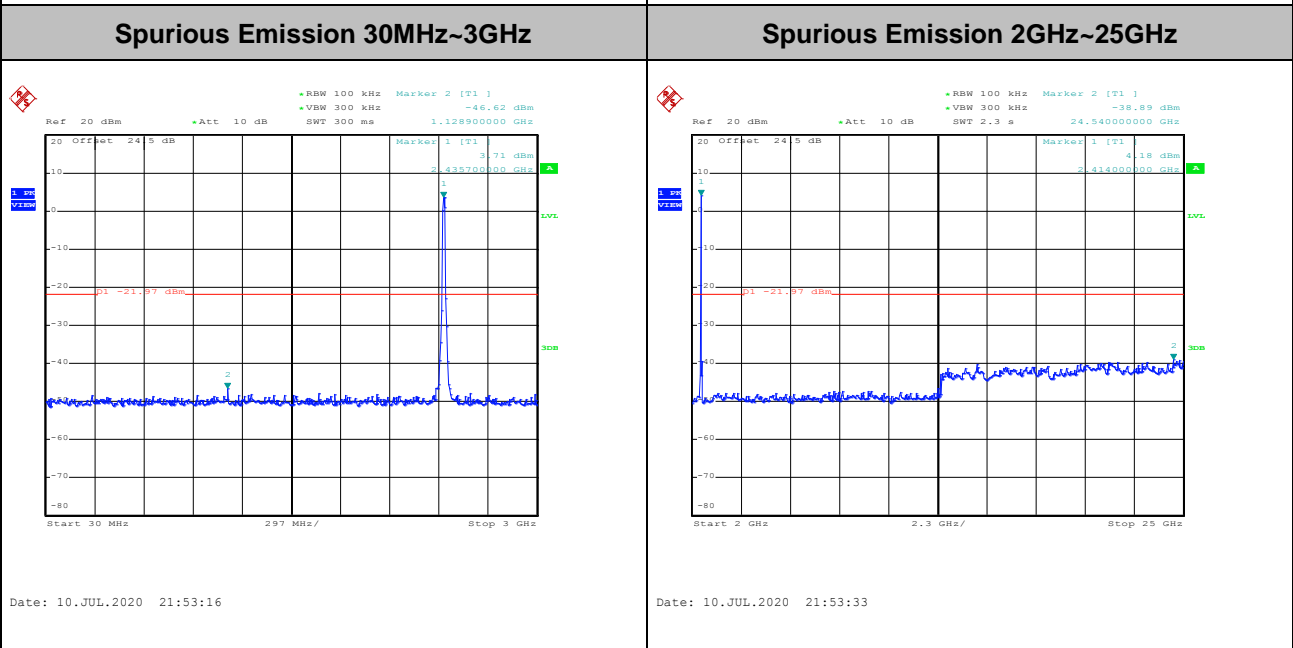
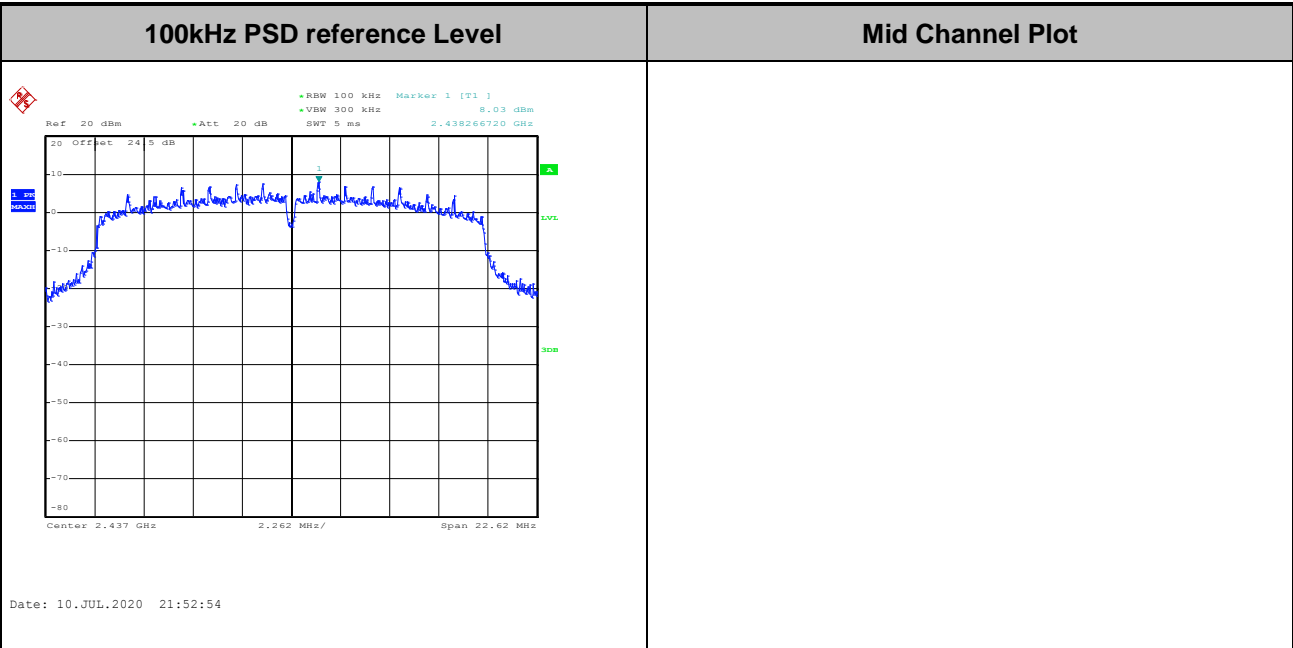


Test Mode :	802.11n HT20	Test Channel :	01
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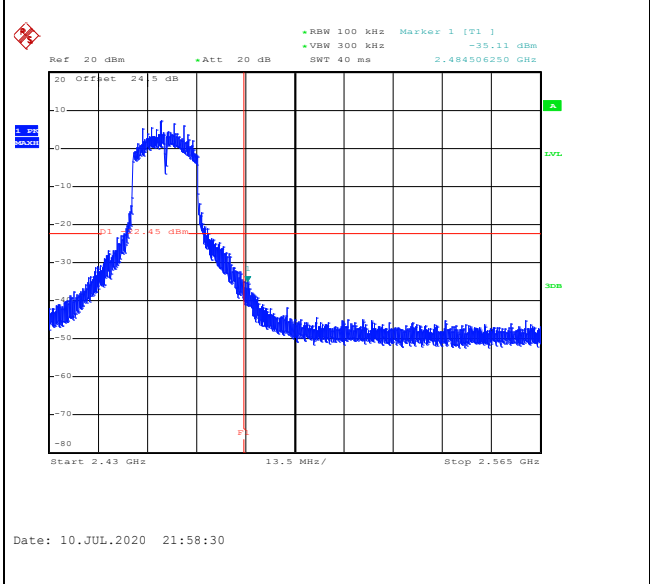
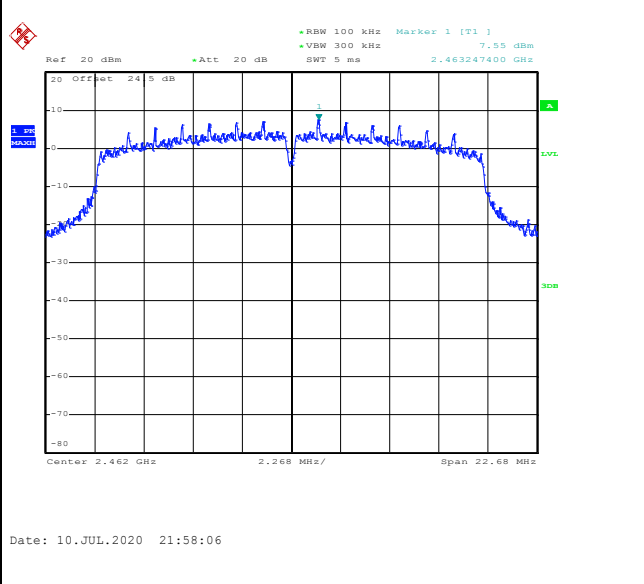
Test Mode :	802.11n HT20	Test Channel :	06
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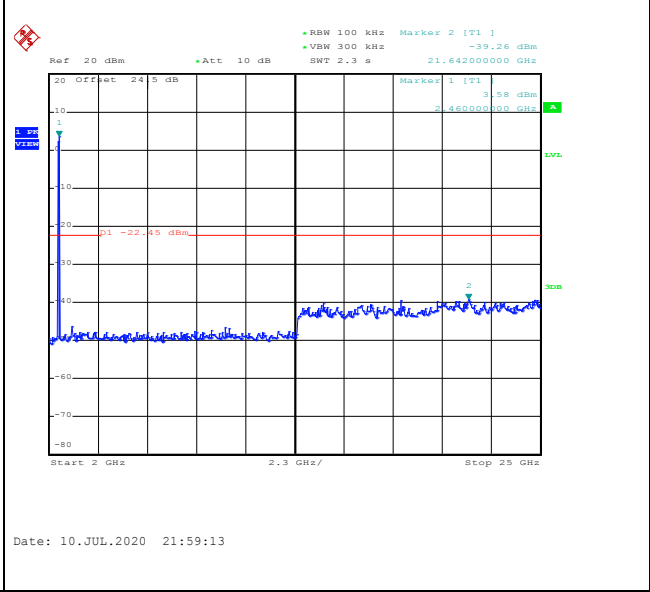
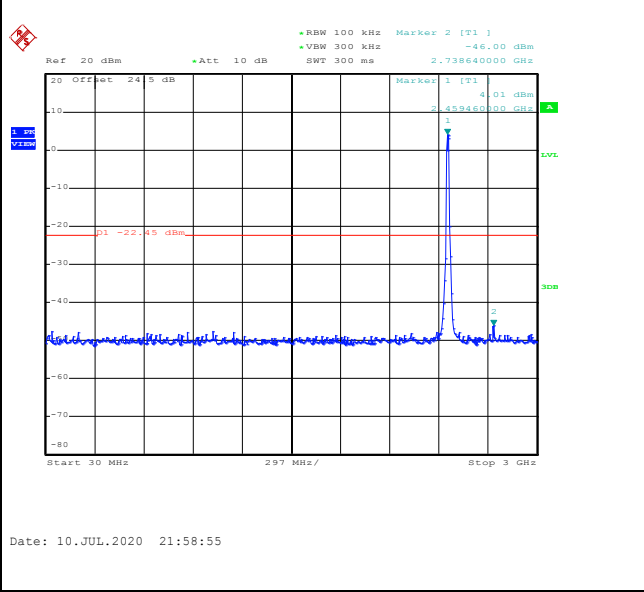


Test Mode :	802.11n HT20	Test Channel :	11
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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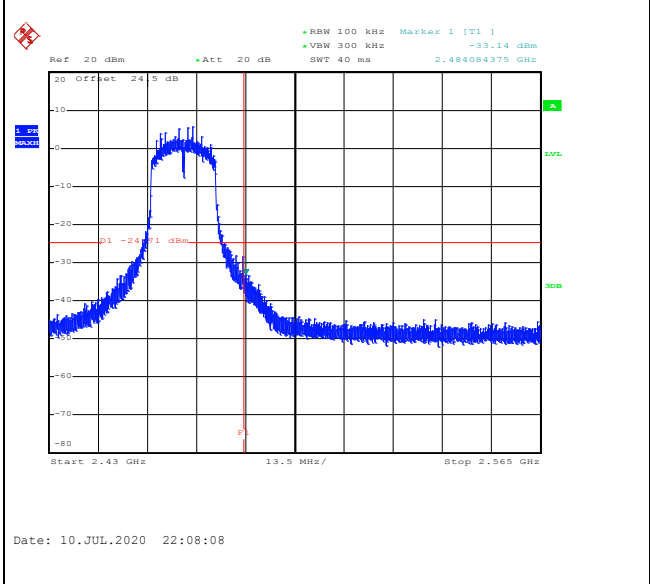
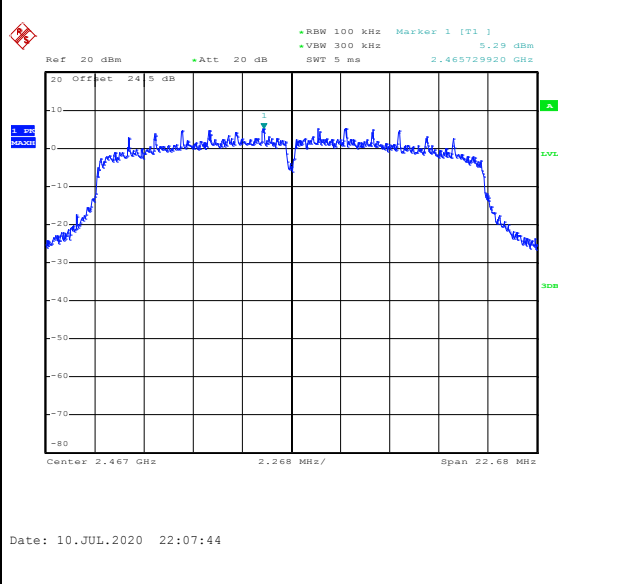
<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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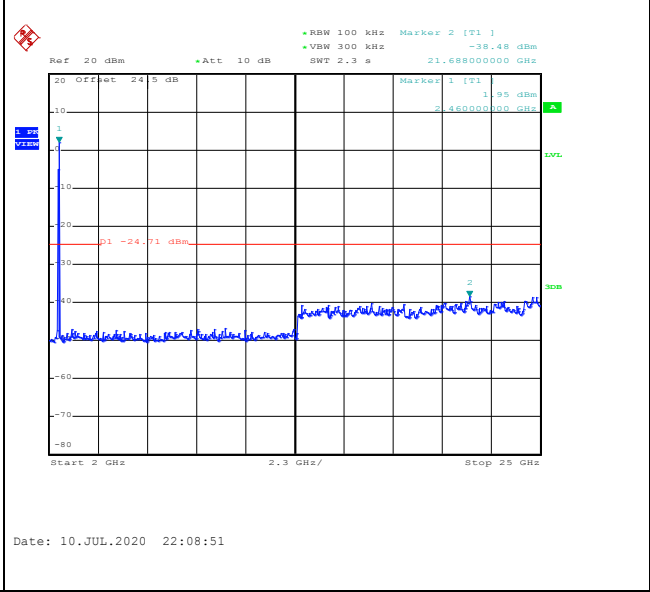
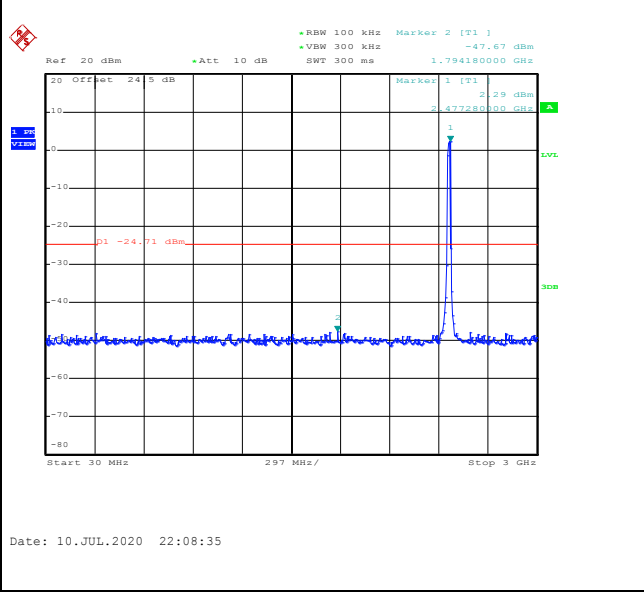


Test Mode :	802.11n HT20	Test Channel :	12
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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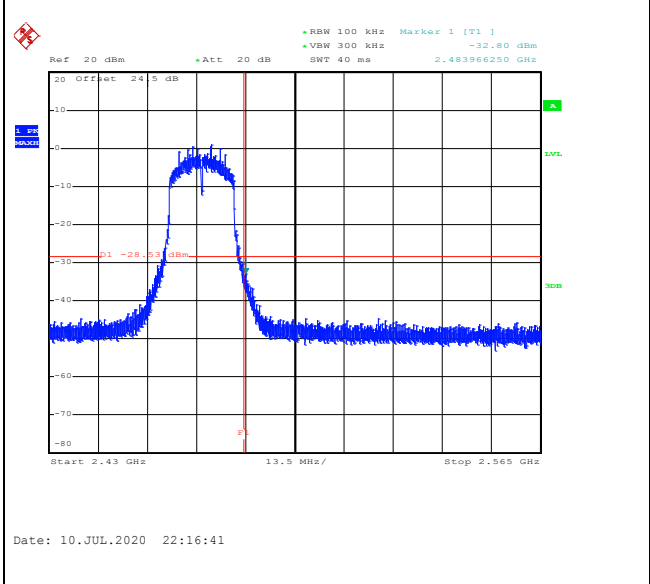
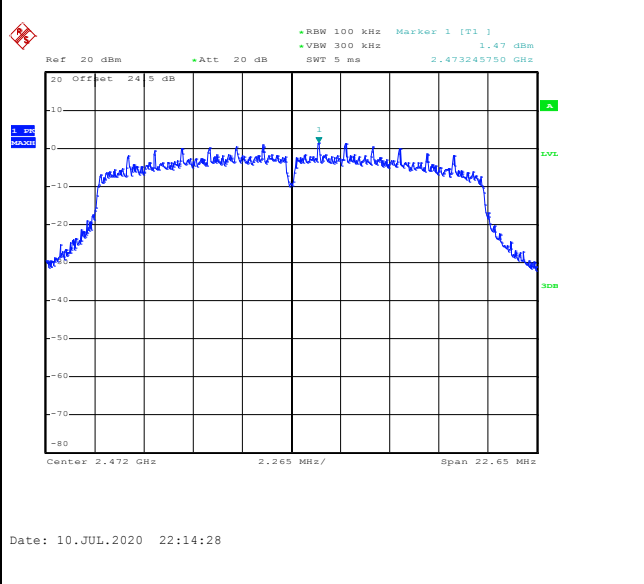
<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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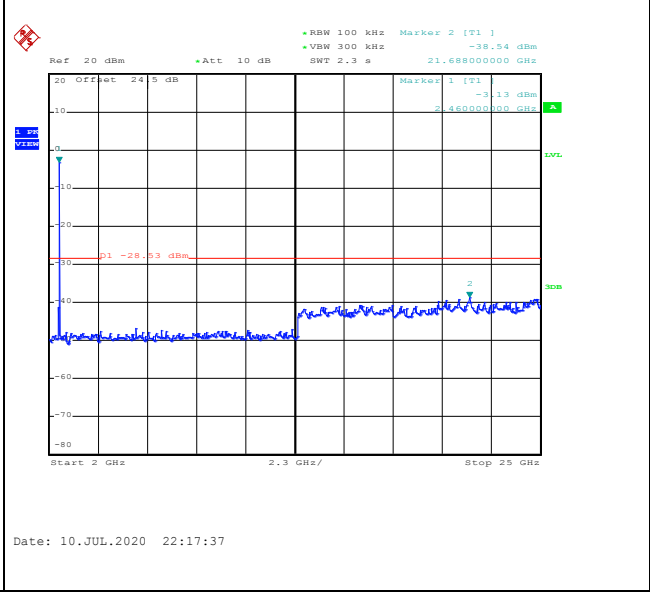
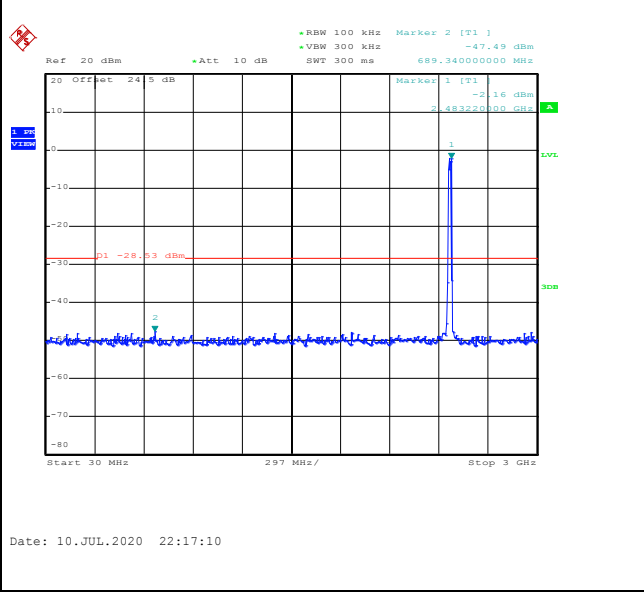


Test Mode :	802.11n HT20	Test Channel :	13
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<b>100kHz PSD reference Level</b>	<b>High Channel Plot</b>
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<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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### 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

See list of measuring equipment of this test report.



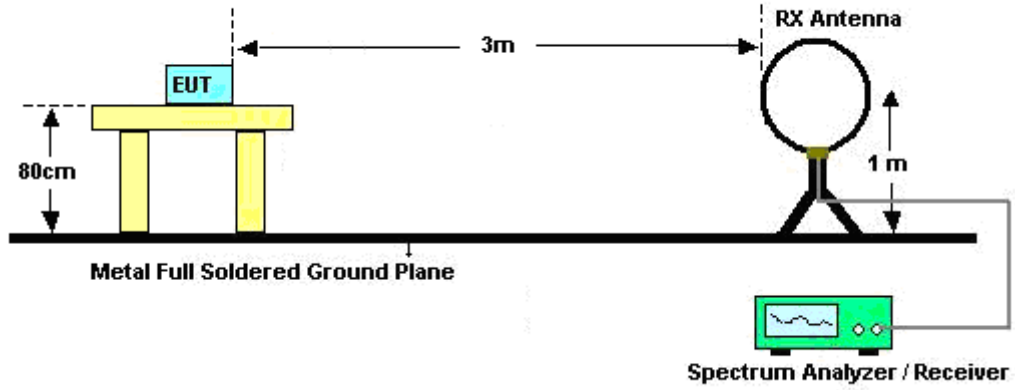


### 3.5.3 Test Procedures

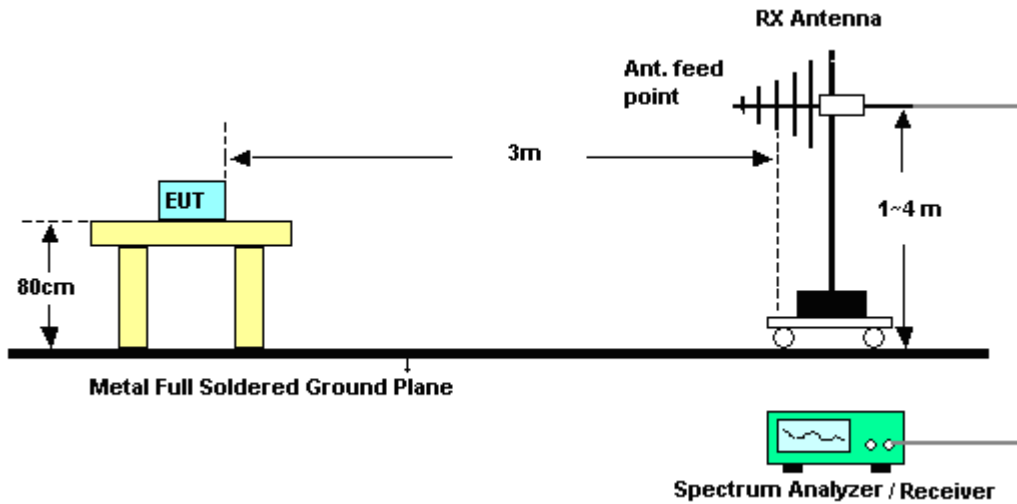
1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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

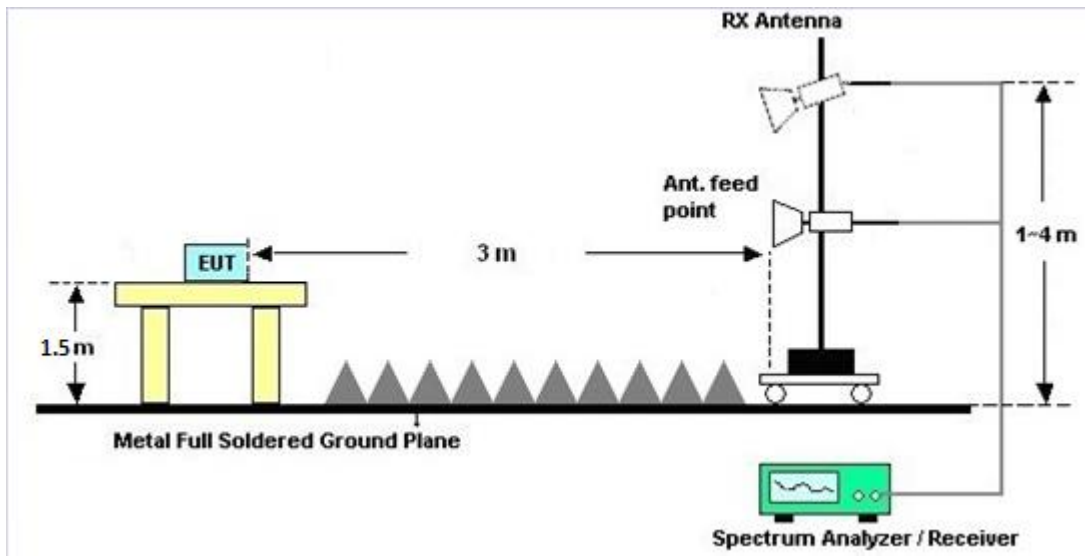
For radiated emissions below 30MHz



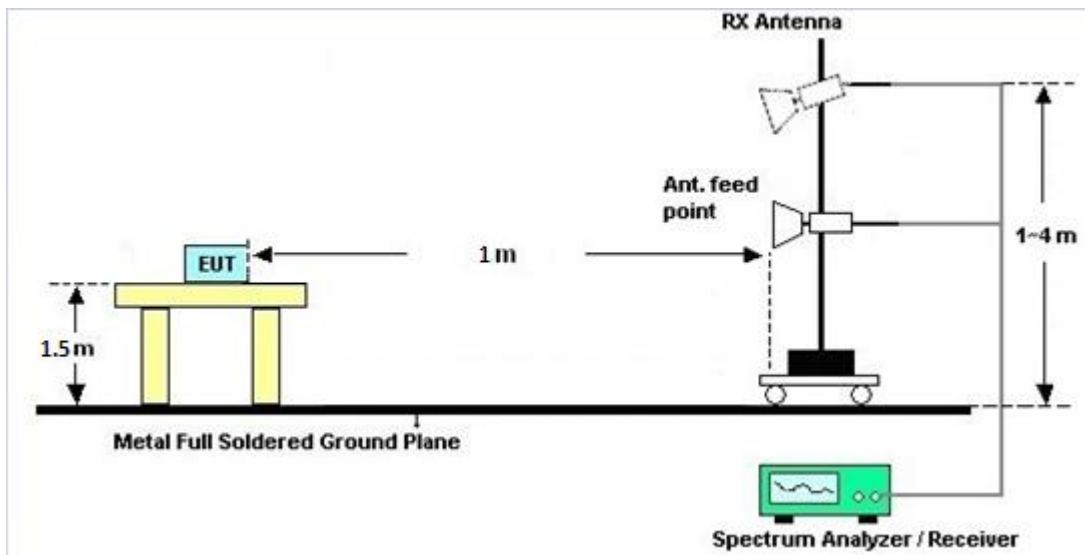
For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



For radiated emissions above 18GHz





### **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 alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, 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 ~ 10<sup>th</sup> 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 (dB $\mu$ V)	
	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.

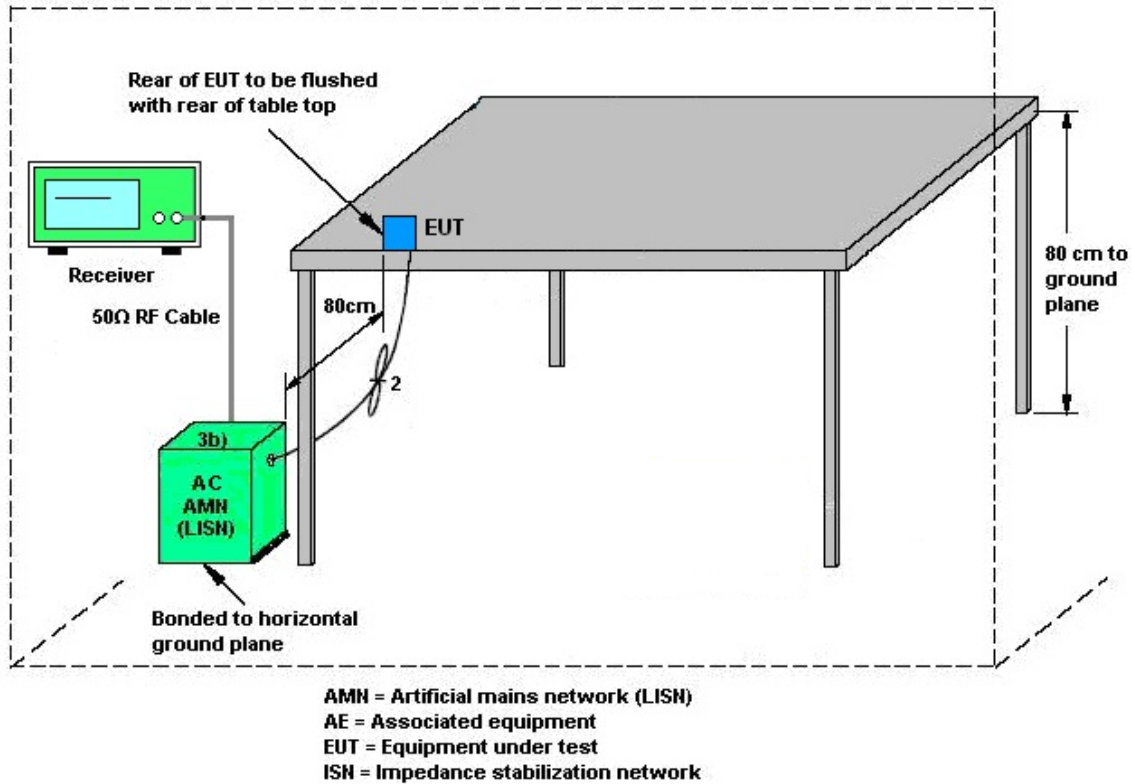
#### 3.6.2 Measuring Instruments

See list of measuring equipment 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



### 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**

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



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jul. 07, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jul. 07, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jul. 07, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Jul. 07, 2020	Nov. 19, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jul. 07, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 07, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jul. 07, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jul. 07, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	Jun. 15, 2020~ Jun. 19, 2020	Jan. 08, 2021	Radiation (03CH18-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-121 2	1GHz ~ 18GHz	May 20, 2020	Jun. 15, 2020~ Jun. 19, 2020	May 19, 2021	Radiation (03CH18-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 23, 2019	Jun. 15, 2020~ Jun. 19, 2020	Oct. 22, 2020	Radiation (03CH18-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 576	18GHz- 40GHz	May 22, 2020	Jun. 15, 2020~ Jun. 19, 2020	May 21, 2021	Radiation (03CH18-HY)
Amplifier	E-INSTRUMENT TECH LTD.	ERA-10M-700 0-MR	EC190024 7	10MHz-7GHz	Nov. 20, 2019	Jun. 15, 2020~ Jun. 19, 2020	Nov. 19, 2020	Radiation (03CH18-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18 G-56-01-A70	EC190026 9	1GHz~18GHz	Dec. 05, 2019	Jun. 15, 2020~ Jun. 19, 2020	Dec. 04, 2020	Radiation (03CH18-HY)
Amplifier	Sonoma-Instrument	310 N	371607	9KHz~1GHz	Oct. 01, 2019	Jun. 15, 2020~ Jun. 19, 2020	Sep. 30, 2020	Radiation (03CH18-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 13, 2019	Jun. 15, 2020~ Jun. 19, 2020	Dec. 12, 2020	Radiation (03CH18-HY)
RF Cable	E-INSTRUMENT TECH LTD.	EC-5A-1000-5757	SN1	30MHz~40GHz	Mar. 25, 2020	Jun. 15, 2020~ Jun. 19, 2020	Mar. 24, 2021	Radiation (03CH18-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101408	10Hz~44GHz	Aug. 13, 2019	Jun. 15, 2020~ Jun. 19, 2020	Aug. 12, 2020	Radiation (03CH18-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jun. 15, 2020~ Jun. 19, 2020	N/A	Radiation (03CH18-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jun. 15, 2020~ Jun. 19, 2020	N/A	Radiation (03CH18-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jun. 15, 2020~ Jun. 19, 2020	N/A	Radiation (03CH18-HY)
Software	AUDIX	E3 6.2009-8-24c	RK-001124	N/A	N/A	Jun. 15, 2020~ Jun. 19, 2020	N/A	Radiation (03CH18-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY541300 85	20Hz ~ 8.4GHz	Nov. 01, 2019	Jun. 15, 2020~ Jun. 19, 2020	Oct. 31, 2020	Radiation (03CH18-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60SS	SN2	3GHz High Pass Filter	Jul. 14, 2019	Jun. 15, 2020~ Jun. 19, 2020	Jul. 13, 2020	Radiation (03CH18-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN12	1.53GHz Low Pass Filter	Sep. 16, 2019	Jun. 15, 2020~ Jun. 19, 2020	Sep. 15, 2020	Radiation (03CH18-HY)





Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H1	34893241	N/A	Mar. 02, 2020	Jul. 06, 2020~ Jul. 15, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Jul. 06, 2020~ Jul. 15, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Dec. 30, 2019	Jul. 06, 2020~ Jul. 15, 2020	Dec. 29, 2020	Conducted (TH05-HY)
Switch Control Manframe	Burgeon	ETF-058	EC130048 4	N/A	Aug. 22, 2019	Jul. 06, 2020~ Jul. 15, 2020	Aug. 21, 2020	Conducted (TH05-HY)
Power Supply	GW Instek	SPS-606	GES84293 1	NA	Aug. 19, 2019	Jul. 06, 2020~ Jul. 15, 2020	Aug. 18, 2020	Conducted (TH05-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.3
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.0
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.2
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.7
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	MINA LIU/Junyu Jhou	Temperature:	23.4~24.3	°C
Test Date:	2020/07/06~2020/07/15	Relative Humidity:	52.5~53.3	%

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	1	1	2412	11.90	-	7.06	-	0.50	Pass
11b	1Mbps	1	6	2437	11.85	-	7.04	-	0.50	Pass
11b	1Mbps	1	11	2462	11.80	-	7.06	-	0.50	Pass
11b	1Mbps	1	12	2467	11.85	-	7.06	-	0.50	Pass
11b	1Mbps	1	13	2472	11.80	-	7.08	-	0.50	Pass
11g	6Mbps	1	1	2412	16.65	-	15.10	-	0.50	Pass
11g	6Mbps	1	6	2437	16.55	-	15.12	-	0.50	Pass
11g	6Mbps	1	11	2462	16.70	-	15.12	-	0.50	Pass
11g	6Mbps	1	12	2467	16.55	-	15.10	-	0.50	Pass
11g	6Mbps	1	13	2472	16.50	-	15.06	-	0.50	Pass
HT20	MCS0	1	1	2412	17.65	-	15.08	-	0.50	Pass
HT20	MCS0	1	6	2437	17.70	-	15.08	-	0.50	Pass
HT20	MCS0	1	11	2462	17.70	-	15.12	-	0.50	Pass
HT20	MCS0	1	12	2467	17.65	-	15.12	-	0.50	Pass
HT20	MCS0	1	13	2472	17.60	-	15.10	-	0.50	Pass

**TEST RESULTS DATA**  
**Average Output Power**

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	16.40	-		30.00	-	-7.10	-	9.30	-	36.00	-	Pass
11b	1Mbps	1	6	2437	16.20	-		30.00	-	-7.10	-	9.10	-	36.00	-	Pass
11b	1Mbps	1	11	2462	16.30	-		30.00	-	-7.10	-	9.20	-	36.00	-	Pass
11b	1Mbps	1	12	2467	16.20	-		30.00	-	-7.10	-	9.10	-	36.00	-	Pass
11b	1Mbps	1	13	2472	16.10	-		30.00	-	-7.10	-	9.00	-	36.00	-	Pass
11g	6Mbps	1	1	2412	18.50	-		30.00	-	-7.10	-	11.40	-	36.00	-	Pass
11g	6Mbps	1	6	2437	18.50	-		30.00	-	-7.10	-	11.40	-	36.00	-	Pass
11g	6Mbps	1	11	2462	18.10	-		30.00	-	-7.10	-	11.00	-	36.00	-	Pass
11g	6Mbps	1	12	2467	17.00	-		30.00	-	-7.10	-	9.90	-	36.00	-	Pass
11g	6Mbps	1	13	2472	13.00	-		30.00	-	-7.10	-	5.90	-	36.00	-	Pass
HT20	MCS0	1	1	2412	18.30	-		30.00	-	-7.10	-	11.20	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.10	-		30.00	-	-7.10	-	11.00	-	36.00	-	Pass
HT20	MCS0	1	11	2462	18.20	-		30.00	-	-7.10	-	11.10	-	36.00	-	Pass
HT20	MCS0	1	12	2467	16.70	-		30.00	-	-7.10	-	9.60	-	36.00	-	Pass
HT20	MCS0	1	13	2472	12.00	-		30.00	-	-7.10	-	4.90	-	36.00	-	Pass

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

**TEST RESULTS DATA**  
**Peak Power Spectral Density**

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	-5.16	-		-7.10	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-5.41	-		-7.10	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-5.30	-		-7.10	-	8.00	-	Pass
11b	1Mbps	1	12	2467	-5.78	-		-7.10	-	8.00	-	Pass
11b	1Mbps	1	13	2472	-6.04	-		-7.10	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-6.87	-		-7.10	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-6.41	-		-7.10	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-7.89	-		-7.10	-	8.00	-	Pass
11g	6Mbps	1	12	2467	-8.01	-		-7.10	-	8.00	-	Pass
11g	6Mbps	1	13	2472	-11.90	-		-7.10	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-6.98	-		-7.10	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-6.25	-		-7.10	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-6.90	-		-7.10	-	8.00	-	Pass
HT20	MCS0	1	12	2467	-8.85	-		-7.10	-	8.00	-	Pass
HT20	MCS0	1	13	2472	-12.92	-		-7.10	-	8.00	-	Pass

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



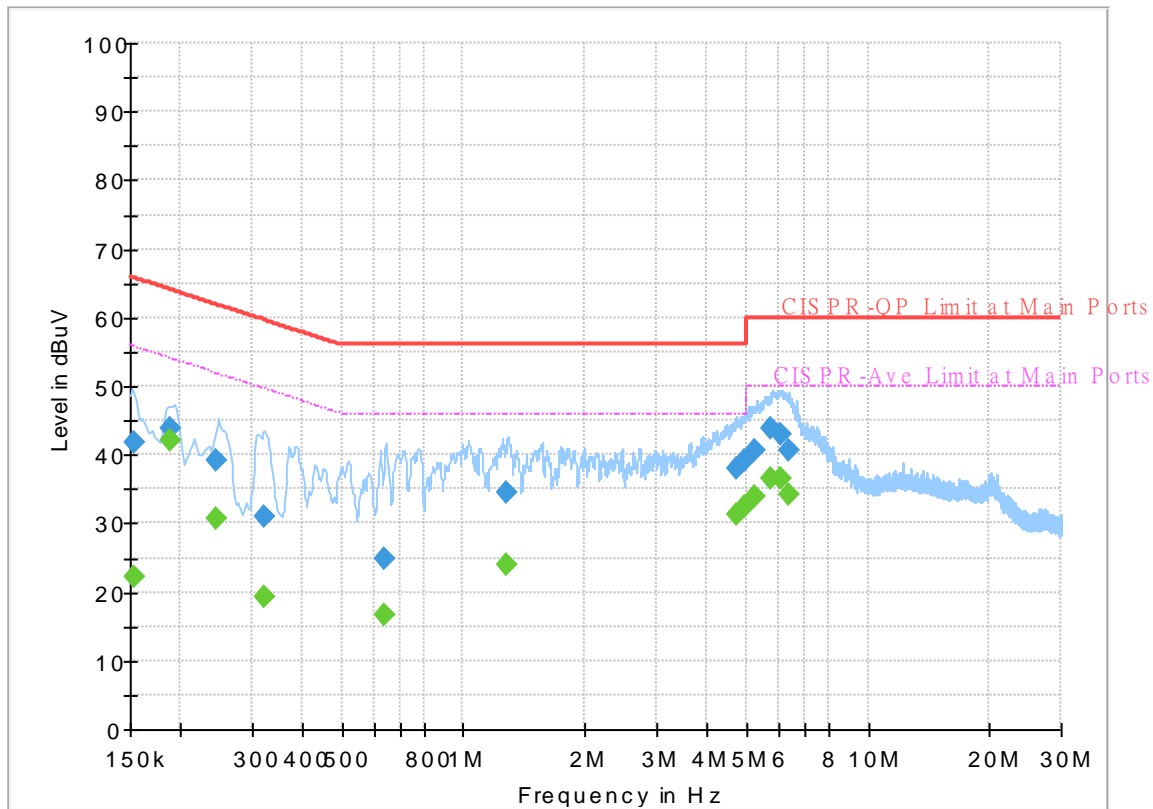
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	23~25°C
		Relative Humidity :	42~50%

# EUT Information

Report NO : 052653  
 Test Mode : Mode 1  
 Test Voltage : Power From System  
 Phase : Line

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154050	---	22.11	55.78	33.67	L1	OFF	19.5
0.154050	41.75	---	65.78	24.03	L1	OFF	19.5
0.187980	---	42.12	54.13	12.01	L1	OFF	19.5
0.187980	43.88	---	64.13	20.25	L1	OFF	19.5
0.245310	---	30.59	51.91	21.32	L1	OFF	19.5
0.245310	39.11	---	61.91	22.80	L1	OFF	19.5
0.321900	---	19.41	49.66	30.25	L1	OFF	19.5
0.321900	31.05	---	59.66	28.61	L1	OFF	19.5
0.638250	---	16.62	46.00	29.38	L1	OFF	19.5
0.638250	24.96	---	56.00	31.04	L1	OFF	19.5
1.282740	---	23.86	46.00	22.14	L1	OFF	19.6
1.282740	34.52	---	56.00	21.48	L1	OFF	19.6
4.713000	---	31.22	46.00	14.78	L1	OFF	19.6
4.713000	38.02	---	56.00	17.98	L1	OFF	19.6
4.962750	---	32.58	46.00	13.42	L1	OFF	19.6
4.962750	39.13	---	56.00	16.87	L1	OFF	19.6
5.222310	---	33.90	50.00	16.10	L1	OFF	19.6
5.222310	40.61	---	60.00	19.39	L1	OFF	19.6
5.776980	---	36.53	50.00	13.47	L1	OFF	19.7
5.776980	43.85	---	60.00	16.15	L1	OFF	19.7
6.076500	---	36.48	50.00	13.52	L1	OFF	19.7

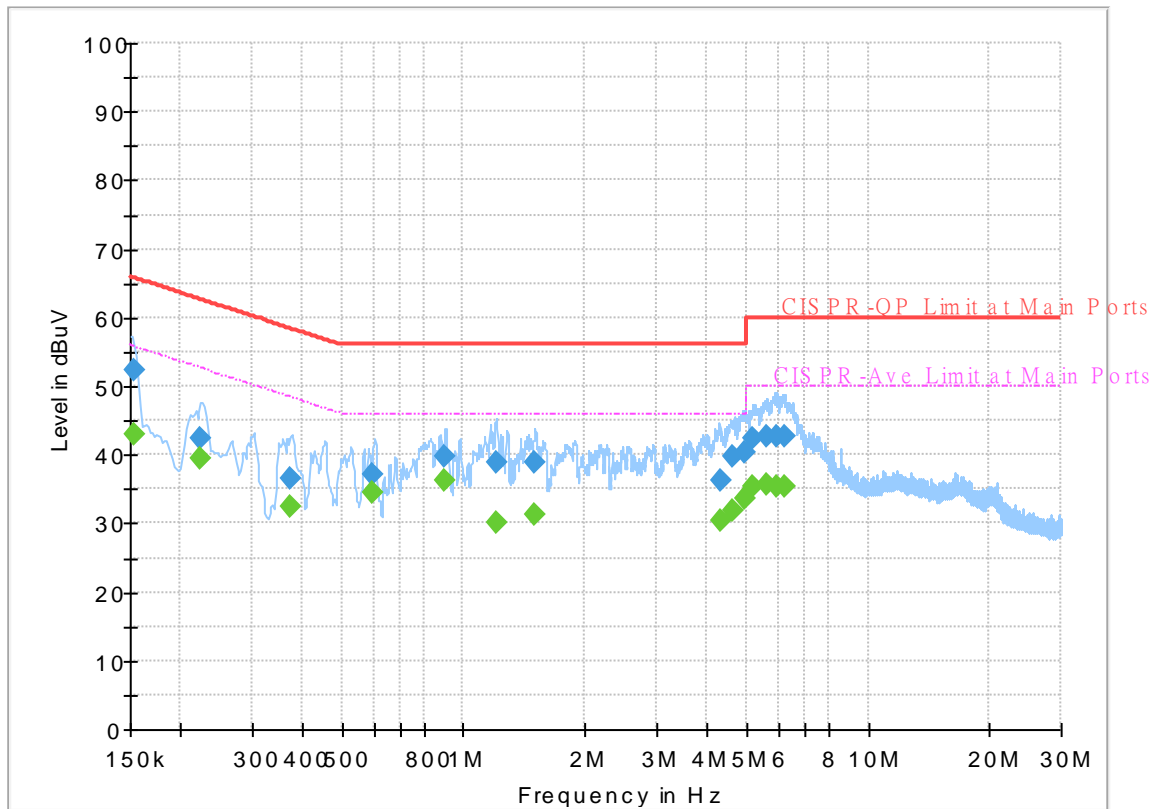


6.076500	43.06	---	60.00	16.94	L1	OFF	19.7
6.348750	---	34.14	50.00	15.86	L1	OFF	19.7
6.348750	40.70	---	60.00	19.30	L1	OFF	19.7

# EUT Information

Report NO : 052653  
 Test Mode : Mode 1  
 Test Voltage : Power From System  
 Phase : Neutral

Full Spectrum



## Final\_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152903	---	42.90	55.84	12.94	N	OFF	19.5
0.152903	52.41	---	65.84	13.43	N	OFF	19.5
0.224610	---	39.36	52.65	13.29	N	OFF	19.5
0.224610	42.32	---	62.65	20.33	N	OFF	19.5
0.372750	---	32.47	48.44	15.97	N	OFF	19.5
0.372750	36.66	---	58.44	21.78	N	OFF	19.5
0.597750	---	34.49	46.00	11.51	N	OFF	19.5
0.597750	37.15	---	56.00	18.85	N	OFF	19.5
0.900420	---	36.31	46.00	9.69	N	OFF	19.6
0.900420	39.64	---	56.00	16.36	N	OFF	19.6
1.203180	---	30.19	46.00	15.81	N	OFF	19.6
1.203180	38.81	---	56.00	17.19	N	OFF	19.6
1.497750	---	31.15	46.00	14.85	N	OFF	19.6
1.497750	38.81	---	56.00	17.19	N	OFF	19.6
4.300080	---	30.29	46.00	15.71	N	OFF	19.6
4.300080	36.37	---	56.00	19.63	N	OFF	19.6
4.654500	---	31.98	46.00	14.02	N	OFF	19.6
4.654500	39.71	---	56.00	16.29	N	OFF	19.6
4.956810	---	33.61	46.00	12.39	N	OFF	19.7
4.956810	40.46	---	56.00	15.54	N	OFF	19.7
5.212500	---	35.52	50.00	14.48	N	OFF	19.7

5.212500	42.26	---	60.00	17.74	N	OFF	19.7
5.590680	---	35.58	50.00	14.42	N	OFF	19.7
5.590680	42.60	---	60.00	17.40	N	OFF	19.7
5.923050	---	35.43	50.00	14.57	N	OFF	19.7
5.923050	42.69	---	60.00	17.31	N	OFF	19.7
6.211950	---	35.42	50.00	14.58	N	OFF	19.7
6.211950	42.72	---	60.00	17.28	N	OFF	19.7



## Appendix C. Radiated Spurious Emission

Test Engineer :	Hakuna Chao and Eric Jeng	Temperature :	18.3~24.3°C
		Relative Humidity :	53.3~72.4%

### 2.4GHz 2400~2483.5MHz

#### WIFI 802.11b (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11b CH 01 2412MHz		2372.58	55.74	-18.26	74	43.5	27.71	19.36	34.83	269	0	P	H	
		2389.065	41.66	-12.34	54	29.44	27.64	19.4	34.82	269	0	A	H	
	*	2412	101.88	-	-	89.66	27.6	19.44	34.82	269	0	P	H	
	*	2412	98.38	-	-	86.16	27.6	19.44	34.82	269	0	A	H	
													H	
														H
			2356.305	55.79	-18.21	74	43.52	27.77	19.33	34.83	159	358	P	V
			2389.065	41.61	-12.39	54	29.39	27.64	19.4	34.82	159	358	A	V
	*		2412	101.85	-	-	89.63	27.6	19.44	34.82	159	358	P	V
	*		2412	98.38	-	-	86.16	27.6	19.44	34.82	159	358	A	V
														V
														V
802.11b CH 06 2437MHz		2328.34	55.53	-18.47	74	43.25	27.84	19.27	34.83	297	360	P	H	
		2325.12	40.99	-13.01	54	28.71	27.85	19.26	34.83	297	360	A	H	
	*	2437	100.43	-	-	88.16	27.6	19.49	34.82	297	360	P	H	
	*	2437	96.83	-	-	84.56	27.6	19.49	34.82	297	360	A	H	
			2489.36	55.53	-18.47	74	43.24	27.52	19.59	34.82	297	360	P	H
			2498.6	41.03	-12.97	54	28.75	27.5	19.6	34.82	297	360	A	H
			2323.16	55.66	-18.34	74	43.38	27.85	19.26	34.83	100	11	P	V
			2323.86	41.16	-12.84	54	28.88	27.85	19.26	34.83	100	11	A	V
	*		2437	98.25	-	-	85.98	27.6	19.49	34.82	100	11	P	V
	*		2437	94.63	-	-	82.36	27.6	19.49	34.82	100	11	A	V
			2493.35	55.43	-18.57	74	43.15	27.51	19.59	34.82	100	11	P	V
			2486.35	41.22	-12.78	54	28.93	27.53	19.58	34.82	100	11	A	V



<b>802.11b CH 11 2462MHz</b>	*	2462	100.25	-	-	87.96	27.58	19.53	34.82	254	0	P	H
	*	2462	96.69	-	-	84.4	27.58	19.53	34.82	254	0	A	H
		2496.68	56.01	-17.99	74	43.72	27.51	19.6	34.82	254	0	P	H
		2484.72	42.03	-11.97	54	29.74	27.53	19.58	34.82	254	0	A	H
													H
													H
	*	2462	100.01	-	-	87.72	27.58	19.53	34.82	144	352	P	V
	*	2462	96.51	-	-	84.22	27.58	19.53	34.82	144	352	A	V
		2498.48	55.08	-18.92	74	42.8	27.5	19.6	34.82	144	352	P	V
		2484.68	41.56	-12.44	54	29.27	27.53	19.58	34.82	144	352	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11b CH 12 2467MHz	*	2467	99.51	-	-	87.22	27.57	19.54	34.82	222	0	P	H
	*	2467	95.96	-	-	83.67	27.57	19.54	34.82	222	0	A	H
		2484.36	55.8	-18.2	74	43.51	27.53	19.58	34.82	222	0	P	H
		2484.2	44.72	-9.28	54	32.43	27.53	19.58	34.82	222	0	A	H
													H
													H
	*	2467	98.94	-	-	86.65	27.57	19.54	34.82	204	354	P	V
	*	2467	95.42	-	-	83.13	27.57	19.54	34.82	204	354	A	V
		2491.96	56.39	-17.61	74	44.1	27.52	19.59	34.82	204	354	P	V
		2484.16	43.84	-10.16	54	31.55	27.53	19.58	34.82	204	354	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	100.19	-	-	87.9	27.56	19.55	34.82	326	7	P	H
	*	2472	96.54	-	-	84.25	27.56	19.55	34.82	326	7	A	H
		2483.56	59.05	-14.95	74	46.77	27.53	19.57	34.82	326	7	P	H
		2483.72	48.8	-5.2	54	36.52	27.53	19.57	34.82	326	7	A	H
													H
													H
	*	2472	99.79	-	-	87.5	27.56	19.55	34.82	173	0	P	V
	*	2472	96.01	-	-	83.72	27.56	19.55	34.82	173	0	A	V
		2484.16	58.38	-15.62	74	46.09	27.53	19.58	34.82	173	0	P	V
		2483.72	49.31	-4.69	54	37.03	27.53	19.57	34.82	173	0	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 )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11b CH 01 2412MHz		4824	41.87	-32.13	74	62.87	31.1	13.82	65.92	100	0	P	H	
													H	
													H	
													H	
			4824	42.38	-31.62	74	63.38	31.1	13.82	65.92	100	0	P	V
														V
														V
802.11b CH 06 2437MHz		4874	54.84	-19.16	74	75.61	31.15	13.91	65.83	100	191	P	H	
		4874	41	-13	54	61.77	31.15	13.91	65.83	100	191	A	H	
		7311	46.31	-27.69	74	58.86	36.48	17.02	66.05	100	0	P	H	
														H
			4874	48.14	-25.86	74	68.91	31.15	13.91	65.83	100	0	P	V
			7311	46.1	-27.9	74	58.65	36.48	17.02	66.05	100	0	P	V
														V
802.11b CH 11 2462MHz		4924	52.54	-21.46	74	73.14	31.15	13.99	65.74	100	153	P	H	
		4924	44.27	-9.73	54	64.87	31.15	13.99	65.74	100	153	A	H	
		7386	48.93	-25.07	74	61.61	36.33	17.1	66.11	100	0	P	H	
														H
			4924	52.79	-21.21	74	73.39	31.15	13.99	65.74	300	191	P	V
			4924	43.62	-10.38	54	64.22	31.15	13.99	65.74	300	191	A	V
			7386	47.63	-26.37	74	60.31	36.33	17.1	66.11	100	0	P	V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11b CH 12 2467MHz		4934	53.31	-20.69	74	73.86	31.17	14	65.72	100	193	P	H
		4934	43.62	-10.38	54	64.17	31.17	14	65.72	100	193	A	H
		7401	48.66	-25.34	74	61.37	36.3	17.11	66.12	100	0	P	H
													H
		4934	53.02	-20.98	74	73.57	31.17	14	65.72	218	188	P	V
		4934	42.76	-11.24	54	63.31	31.17	14	65.72	218	188	A	V
		7401	47.34	-26.66	74	60.05	36.3	17.11	66.12	100	0	P	V
802.11b CH 13 2472MHz		4944	52.14	-21.86	74	72.63	31.19	14.02	65.7	100	142	P	H
		4944	43.07	-10.93	54	63.56	31.19	14.02	65.7	100	142	A	H
		7416	50.07	-23.93	74	62.74	36.33	17.13	66.13	100	0	P	H
													H
		4944	52.78	-21.22	74	73.27	31.19	14.02	65.7	100	196	P	V
		4944	42.22	-11.78	54	62.71	31.19	14.02	65.7	100	196	A	V
		7416	48.14	-25.86	74	60.81	36.33	17.13	66.13	100	0	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11g CH 01 2412MHz		2390	62.09	-11.91	74	48.72	27.64	19.4	33.67	116	347	P	H	
		2390	46.35	-7.65	54	32.98	27.64	19.4	33.67	116	347	A	H	
	*	2412	99.84	-	-	86.49	27.6	19.44	33.69	116	347	P	H	
	*	2412	91.11	-	-	77.76	27.6	19.44	33.69	116	347	A	H	
													H	
													H	
			2333.625	59.11	-14.89	74	45.65	27.83	19.28	33.65	100	3	P	V
			2390	46.35	-7.65	54	32.98	27.64	19.4	33.67	100	3	A	V
	*		2412	98.93	-	-	85.58	27.6	19.44	33.69	100	3	P	V
	*		2412	89.69	-	-	76.34	27.6	19.44	33.69	100	3	A	V
													V	
													V	
802.11g CH 06 2437MHz		2361.8	58.72	-15.28	74	45.29	27.75	19.34	33.66	146	346	P	H	
		2343.6	44.57	-9.43	54	31.11	27.81	19.3	33.65	146	346	A	H	
	*	2437	98.86	-	-	85.47	27.6	19.49	33.7	146	346	P	H	
	*	2437	89.51	-	-	76.12	27.6	19.49	33.7	146	346	A	H	
			2491.81	58.94	-15.06	74	45.56	27.52	19.59	33.73	146	346	P	H
			2484.39	44.55	-9.45	54	31.16	27.53	19.58	33.72	146	346	A	H
			2329.88	59.23	-14.77	74	45.76	27.84	19.27	33.64	100	6	P	V
			2354.1	44.53	-9.47	54	31.09	27.78	19.32	33.66	100	6	A	V
	*		2437	99.08	-	-	85.69	27.6	19.49	33.7	100	6	P	V
	*		2437	89.96	-	-	76.57	27.6	19.49	33.7	100	6	A	V
			2492.65	58.45	-15.55	74	45.08	27.51	19.59	33.73	100	6	P	V
			2483.9	44.53	-9.47	54	31.14	27.53	19.58	33.72	100	6	A	V



<b>802.11g CH 11 2462MHz</b>	*	2462	101.24	-	-	87.84	27.58	19.53	33.71	166	341	P	H
	*	2462	91.65	-	-	78.25	27.58	19.53	33.71	166	341	A	H
		2483.92	63.42	-10.58	74	50.03	27.53	19.58	33.72	166	341	P	H
		2483.52	47.72	-6.28	54	34.34	27.53	19.57	33.72	166	341	A	H
													H
													H
	*	2462	97.74	-	-	84.34	27.58	19.53	33.71	324	211	P	V
	*	2462	88.94	-	-	75.54	27.58	19.53	33.71	324	211	A	V
		2483.8	61.14	-12.86	74	47.75	27.53	19.58	33.72	324	211	P	V
		2483.52	45.93	-8.07	54	32.55	27.53	19.57	33.72	324	211	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11g CH 12 2467MHz	*	2467	100.47	-	-	87.07	27.57	19.54	33.71	112	323	P	H
	*	2467	91.07	-	-	77.67	27.57	19.54	33.71	112	323	A	H
		2483.92	69.3	-4.7	74	55.91	27.53	19.58	33.72	112	323	P	H
		2483.52	50.24	-3.76	54	36.86	27.53	19.57	33.72	112	323	A	H
													H
													H
	*	2467	95.56	-	-	82.16	27.57	19.54	33.71	283	204	P	V
	*	2467	86.45	-	-	73.05	27.57	19.54	33.71	283	204	A	V
		2484.16	64.61	-9.39	74	51.22	27.53	19.58	33.72	283	204	P	V
		2483.52	47.22	-6.78	54	33.84	27.53	19.57	33.72	283	204	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	93.83	-	-	80.44	27.56	19.55	33.72	327	354	P	H
	*	2472	84.85	-	-	71.46	27.56	19.55	33.72	327	354	A	H
		2483.6	68.15	-5.85	74	54.77	27.53	19.57	33.72	327	354	P	H
		2483.52	47.56	-6.44	54	34.18	27.53	19.57	33.72	327	354	A	H
													H
													H
	*	2472	92.93	-	-	79.54	27.56	19.55	33.72	109	6	P	V
	*	2472	84	-	-	70.61	27.56	19.55	33.72	109	6	A	V
		2483.52	66.7	-7.3	74	53.32	27.53	19.57	33.72	109	6	P	V
		2483.52	47.08	-6.92	54	33.7	27.53	19.57	33.72	109	6	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11g CH 01 2412MHz		4824	52.21	-21.79	74	73.21	31.1	13.82	65.92	115	166	P	H	
		4824	31	-23	54	52	31.1	13.82	65.92	115	166	A	H	
													H	
													H	
			4824	44.46	-29.54	74	65.46	31.1	13.82	65.92	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	46.94	-27.06	74	67.71	31.15	13.91	65.83	100	0	P	H	
		7311	46.89	-27.11	74	59.44	36.48	17.02	66.05	100	0	P	H	
													H	
													H	
			4874	44.79	-29.21	74	65.56	31.15	13.91	65.83	100	0	P	V
			7311	45.91	-28.09	74	58.46	36.48	17.02	66.05	100	0	P	V
														V
802.11g CH 11 2462MHz		4924	44.7	-29.3	74	65.3	31.15	13.99	65.74	100	0	P	H	
		7386	46.49	-27.51	74	59.17	36.33	17.1	66.11	100	0	P	H	
													H	
													H	
			4924	46.38	-27.62	74	66.98	31.15	13.99	65.74	100	0	P	V
			7386	45.37	-28.63	74	58.05	36.33	17.1	66.11	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11g CH 12 2467MHz		4934	47.11	-26.89	74	67.66	31.17	14	65.72	100	0	P	H
		7401	45.43	-28.57	74	58.14	36.3	17.11	66.12	100	0	P	H
													H
													H
		4934	46.86	-27.14	74	67.41	31.17	14	65.72	100	0	P	V
		7401	45.2	-28.8	74	57.91	36.3	17.11	66.12	100	0	P	V
													V
													V
802.11g CH 13 2472MHz		4944	44.65	-29.35	74	65.14	31.19	14.02	65.7	100	0	P	H
		7416	46.21	-27.79	74	58.88	36.33	17.13	66.13	100	0	P	H
													H
													H
		4944	43.87	-30.13	74	64.36	31.19	14.02	65.7	100	0	P	V
		7416	45.59	-28.41	74	58.26	36.33	17.13	66.13	100	0	P	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 01 2412MHz		2389.8	61.23	-12.77	74	49.01	27.64	19.4	34.82	346	0	P	H	
		2390	45.7	-8.3	54	33.48	27.64	19.4	34.82	346	0	A	H	
	*	2412	99.59	-	-	87.37	27.6	19.44	34.82	346	0	P	H	
	*	2412	90.86	-	-	78.64	27.6	19.44	34.82	346	0	A	H	
													H	
													H	
			2389.59	61.55	-12.45	74	49.33	27.64	19.4	34.82	100	1	P	V
			2390	45.76	-8.24	54	33.54	27.64	19.4	34.82	100	1	A	V
		*	2412	100.14	-	-	87.92	27.6	19.44	34.82	100	1	P	V
		*	2412	90.93	-	-	78.71	27.6	19.44	34.82	100	1	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2347.24	55.13	-18.87	74	42.84	27.81	19.31	34.83	341	0	P	H	
		2314.76	40.9	-13.1	54	28.62	27.87	19.24	34.83	341	0	A	H	
	*	2437	99.21	-	-	86.94	27.6	19.49	34.82	341	0	P	H	
	*	2437	90.07	-	-	77.8	27.6	19.49	34.82	341	0	A	H	
		2490.97	54.59	-19.41	74	42.3	27.52	19.59	34.82	341	0	P	H	
		2483.69	40.87	-13.13	54	28.59	27.53	19.57	34.82	341	0	A	H	
		2320.64	54.99	-19.01	74	42.71	27.86	19.25	34.83	149	353	P	V	
		2388.82	41.16	-12.84	54	28.94	27.64	19.4	34.82	149	353	A	V	
		*	2437	100.42	-	-	88.15	27.6	19.49	34.82	149	353	P	V
		*	2437	91.27	-	-	79	27.6	19.49	34.82	149	353	A	V
		2493.84	55.52	-18.48	74	43.24	27.51	19.59	34.82	149	353	P	V	
		2487.05	40.88	-13.12	54	28.59	27.53	19.58	34.82	149	353	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	99.14	-	-	86.85	27.58	19.53	34.82	375	8	P	H
	*	2462	90.17	-	-	77.88	27.58	19.53	34.82	375	8	A	H
		2484.12	67.86	-6.14	74	55.57	27.53	19.58	34.82	375	8	P	H
		2483.52	46.86	-7.14	54	34.58	27.53	19.57	34.82	375	8	A	H
													H
													H
	*	2462	99.51	-	-	87.22	27.58	19.53	34.82	102	3	P	V
	*	2462	90.37	-	-	78.08	27.58	19.53	34.82	102	3	A	V
		2483.84	63.87	-10.13	74	51.58	27.53	19.58	34.82	102	3	P	V
		2483.52	45.58	-8.42	54	33.3	27.53	19.57	34.82	102	3	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 12 2467MHz	*	2467	98.7	-	-	86.41	27.57	19.54	34.82	328	2	P	H
	*	2467	88.61	-	-	76.32	27.57	19.54	34.82	328	2	A	H
		2484.04	67.63	-6.37	74	55.34	27.53	19.58	34.82	328	2	P	H
		2483.52	47.56	-6.44	54	35.28	27.53	19.57	34.82	328	2	A	H
													H
													H
	*	2467	96.54	-	-	84.25	27.57	19.54	34.82	100	2	P	V
	*	2467	87.83	-	-	75.54	27.57	19.54	34.82	100	2	A	V
		2483.92	64.41	-9.59	74	52.12	27.53	19.58	34.82	100	2	P	V
		2483.6	45.87	-8.13	54	33.59	27.53	19.57	34.82	100	2	A	V
												V	
												V	
802.11n HT20 CH 13 2472MHz	*	2472	93.72	-	-	81.43	27.56	19.55	34.82	327	0	P	H
	*	2472	84.95	-	-	72.66	27.56	19.55	34.82	327	0	A	H
		2483.8	69.87	-4.13	74	57.58	27.53	19.58	34.82	327	0	P	H
		2483.52	45.74	-8.26	54	33.46	27.53	19.57	34.82	327	0	A	H
													H
													H
	*	2472	92.99	-	-	80.7	27.56	19.55	34.82	132	360	P	V
	*	2472	82.99	-	-	70.7	27.56	19.55	34.82	132	360	A	V
		2483.6	67.14	-6.86	74	54.86	27.53	19.57	34.82	132	360	P	V
		2483.52	44.84	-9.16	54	32.56	27.53	19.57	34.82	132	360	A	V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Path 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	47.55	-26.45	74	68.55	31.1	13.82	65.92	100	0	P	H	
													H	
													H	
													H	
			4824	46.04	-27.96	74	67.04	31.1	13.82	65.92	100	0	P	V
														V
														V
802.11n HT20 CH 06 2437MHz		4874	47.4	-26.6	74	68.17	31.15	13.91	65.83	100	0	P	H	
		7311	47.83	-26.17	74	60.38	36.48	17.02	66.05	100	0	P	H	
													H	
													H	
			4874	45.14	-28.86	74	65.91	31.15	13.91	65.83	100	0	P	V
			7311	45.55	-28.45	74	58.1	36.48	17.02	66.05	100	0	P	V
														V
802.11n HT20 CH 11 2462MHz		4924	45.96	-28.04	74	66.56	31.15	13.99	65.74	100	0	P	H	
		7386	47.74	-26.26	74	60.42	36.33	17.1	66.11	100	0	P	H	
													H	
													H	
			4924	47.85	-26.15	74	68.45	31.15	13.99	65.74	100	0	P	V
			7386	46.52	-27.48	74	59.2	36.33	17.1	66.11	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Path Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 12 2467MHz		4934	44.49	-29.51	74	65.04	31.17	14	65.72	100	0	P	H
		7401	45.48	-28.52	74	58.19	36.3	17.11	66.12	100	0	P	H
													H
													H
		4934	45.03	-28.97	74	65.58	31.17	14	65.72	100	0	P	V
		7401	45.91	-28.09	74	58.62	36.3	17.11	66.12	100	0	P	V
802.11n HT20 CH 13 2472MHz		4944	43.56	-30.44	74	64.05	31.19	14.02	65.7	100	0	P	H
		7416	45.36	-28.64	74	58.03	36.33	17.13	66.13	100	0	P	H
													H
													H
		4944	41.67	-32.33	74	62.16	31.19	14.02	65.7	100	0	P	V
		7416	45.61	-28.39	74	58.28	36.33	17.13	66.13	100	0	P	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



**Emission above 18GHz**

**2.4GHz WIFI 802.11g (SHF)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	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 SHF		23691	42.07	-31.93	74	34.43	39.97	20.97	53.3	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
			23579	41.95	-32.05	74	34.54	39.81	20.9	53.3	100	0	P	V
														V
														V
														V
														V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against limit line.													



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	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		91.11	32.07	-11.43	43.5	47.93	14.73	1.69	32.28	-	-	P	H	
		152.22	29.74	-13.76	43.5	42.53	17.28	2.22	32.29	-	-	P	H	
		190.05	31.25	-12.25	43.5	46.13	14.9	2.53	32.31	-	-	P	H	
		258.92	29.54	-16.46	46	38.46	20.21	3.21	32.34	-	-	P	H	
		386.96	25.79	-20.21	46	32.65	21.38	3.98	32.22	-	-	P	H	
		875.84	35.43	-10.57	46	31.98	29.38	6.1	32.03	100	0	P	H	
														H
														H
														H
														H
														H
														H
			51.34	24.36	-15.64	40	41.52	13.93	1.34	32.43	-	-	P	V
			92.08	32.63	-10.87	43.5	48.18	15.02	1.71	32.28	-	-	P	V
			152.22	27.25	-16.25	43.5	40.04	17.28	2.22	32.29	-	-	P	V
			191.02	24.92	-18.58	43.5	39.79	14.9	2.54	32.31	-	-	P	V
			265.71	29.16	-16.84	46	37.91	20.33	3.27	32.35	-	-	P	V
			959.26	38.84	-7.16	46	32.23	31.46	6.37	31.22	100	0	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



**Note symbol**

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



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

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

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =  
Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -10.46(dB)

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



## Appendix D. Radiated Spurious Emission Plots

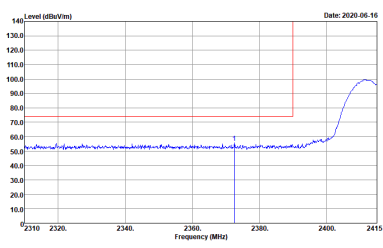
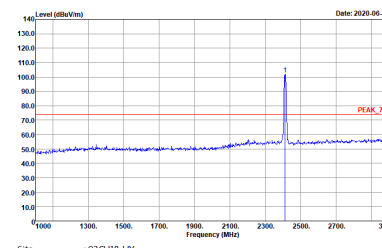
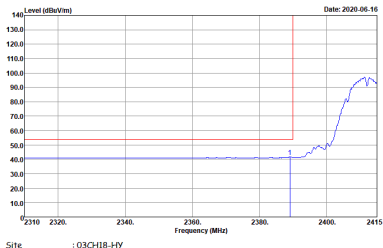
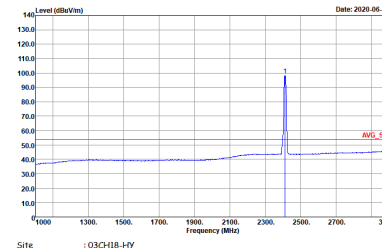
Test Engineer :	Hakuna Chao and Eric Jeng	Temperature :	18.3~24.3°C
		Relative Humidity :	53.3~72.4%

### Note symbol

-L	Low channel location
-R	High channel location

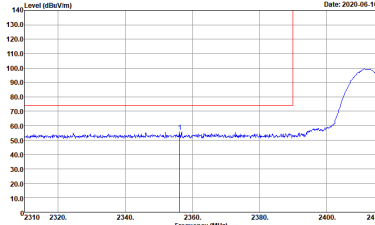
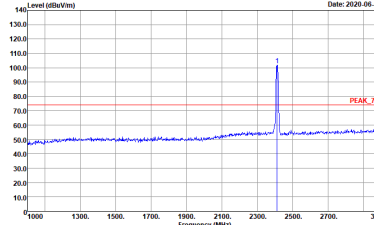
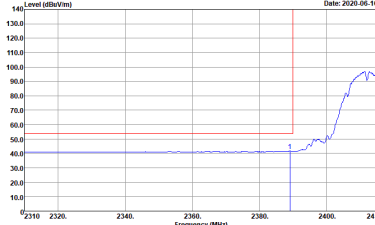
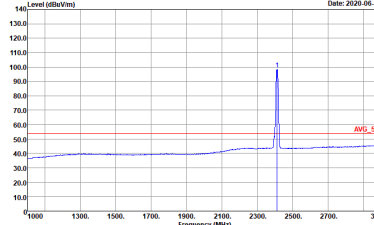


2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Band Edge @ 3m)

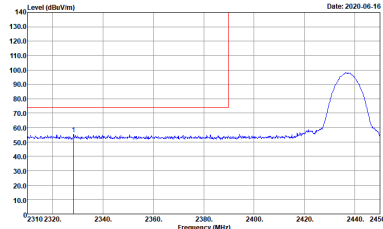
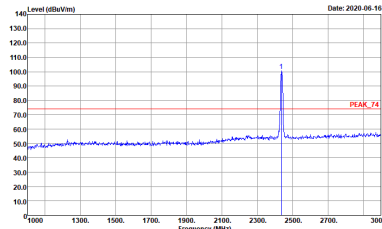
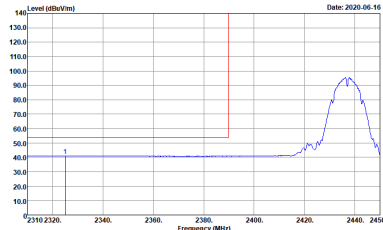
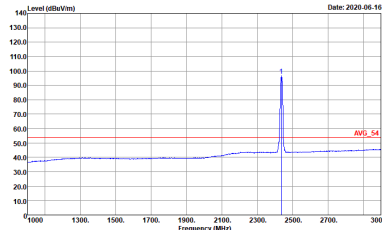
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 052653</p>	 <p>Site : 03CH18-HY Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 052653</p>	 <p>Site : 03CH18-HY Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 052653</p>



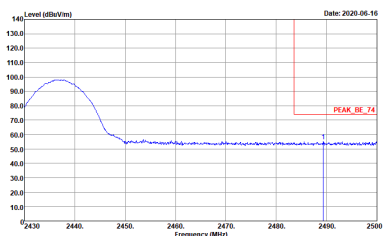
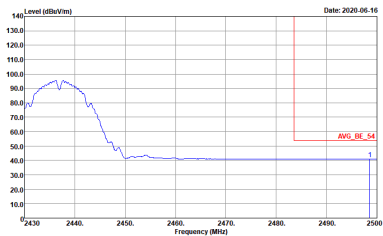


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653</p>

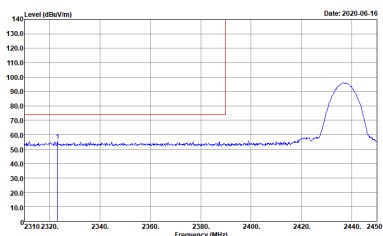
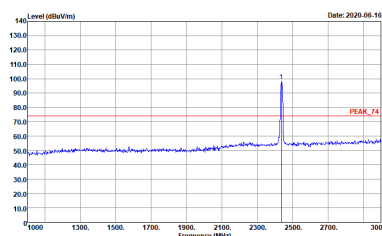
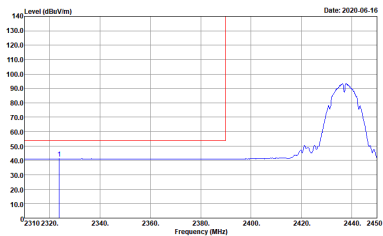
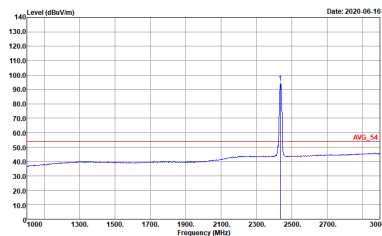


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 052653</p>

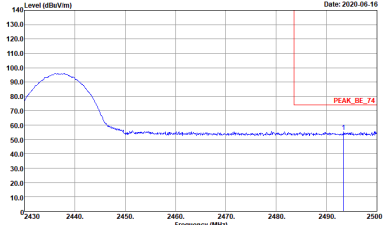
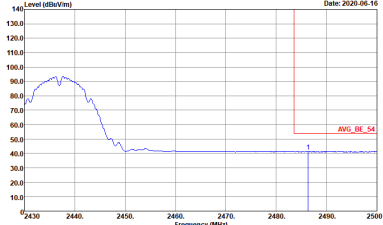


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Left blank</p>

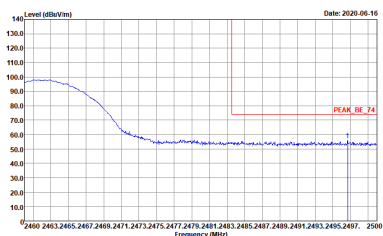
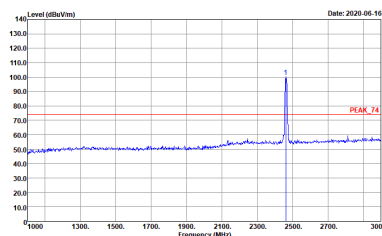
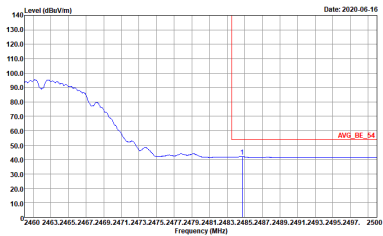
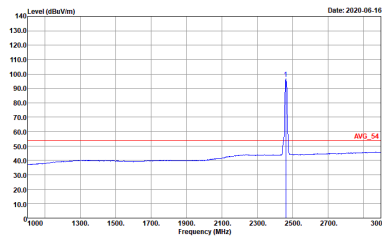


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>

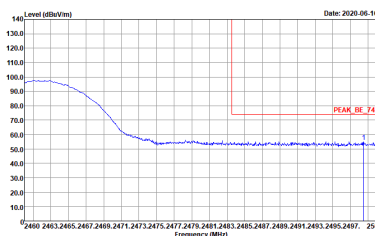
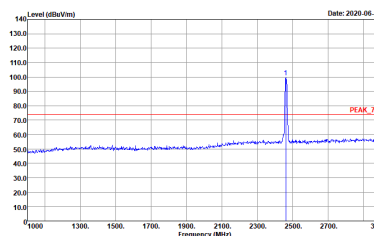
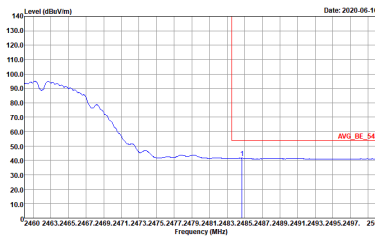
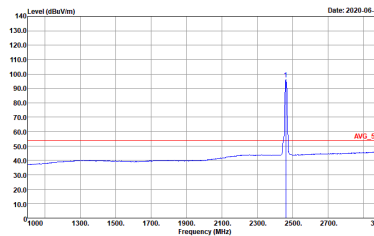


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWF:Auto            Detector : Peak            Project : 052653</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWF:Auto            Detector : Peak            Project : 052653</p>	<p>Left blank</p>

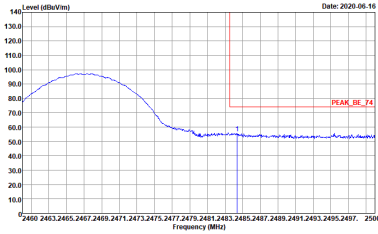
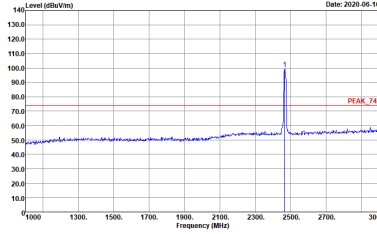
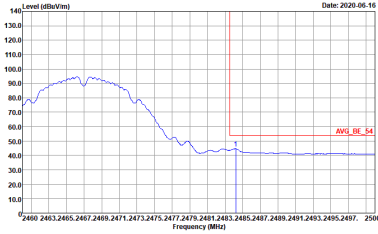
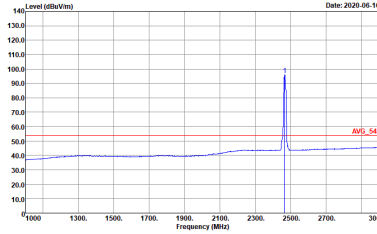


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>



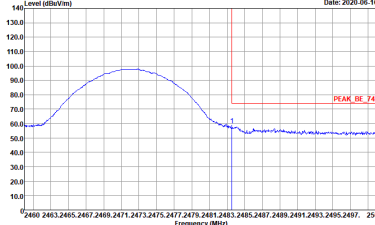
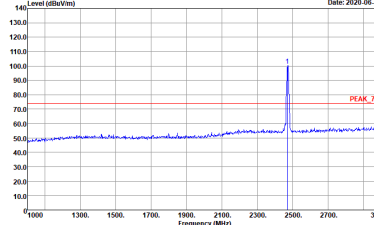
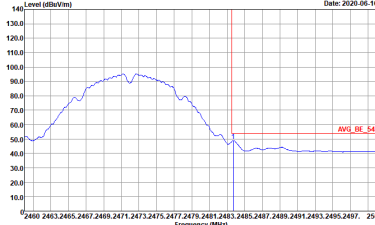
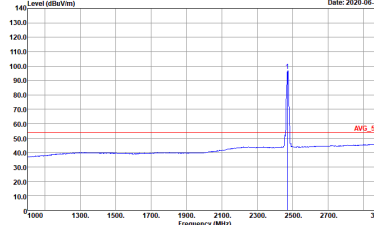
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>





WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	<p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>



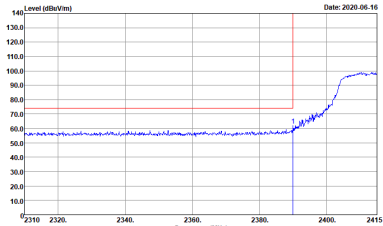
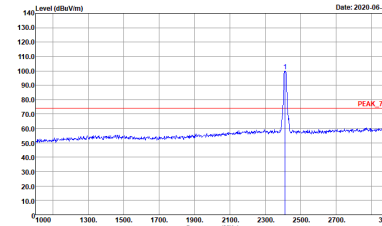
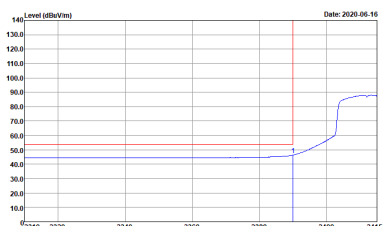
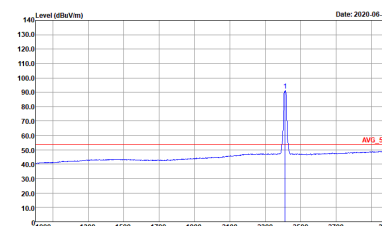
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>



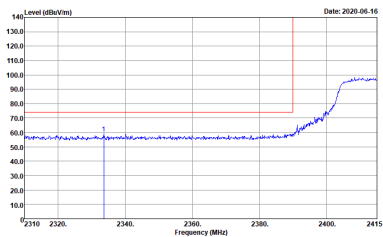
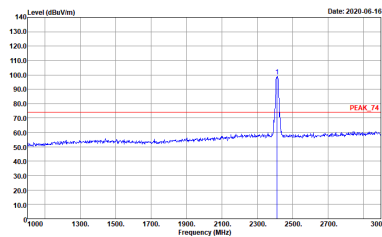
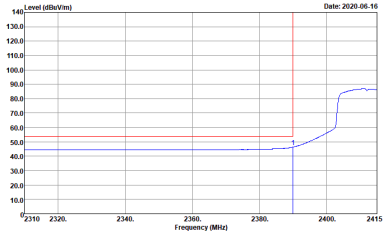
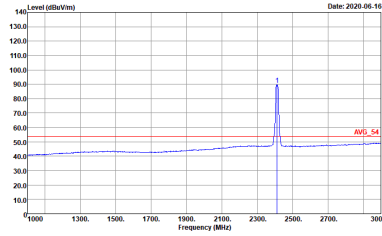
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak	<p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653</p>
Avg.	<p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>	<p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653</p>



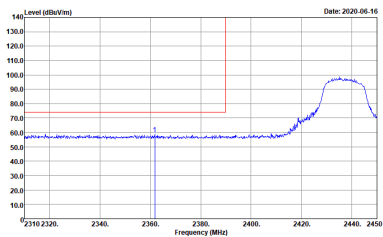
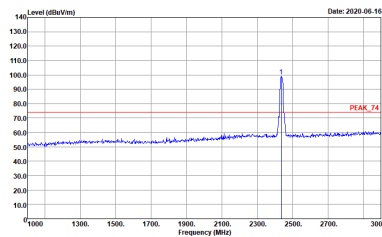
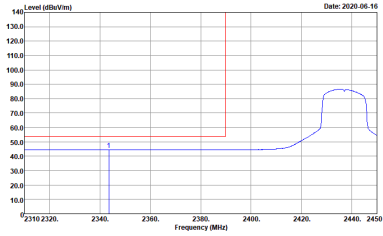
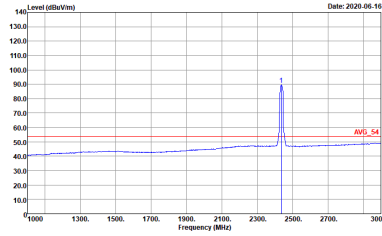
2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 052653 Setting : 74</p>	 <p>Site : 03CH18-HY Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 052653 Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 052653 Setting : 74</p>	 <p>Site : 03CH18-HY Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 052653 Setting : 74</p>

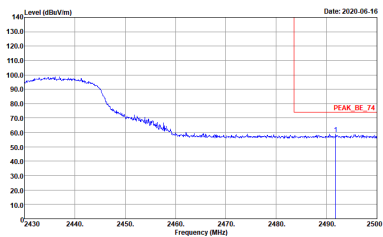
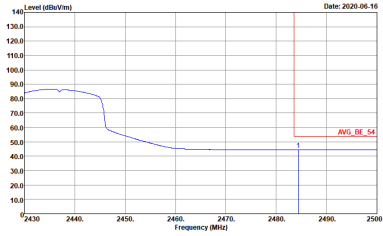


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>

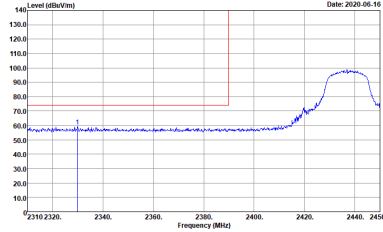
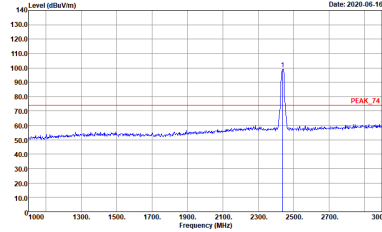
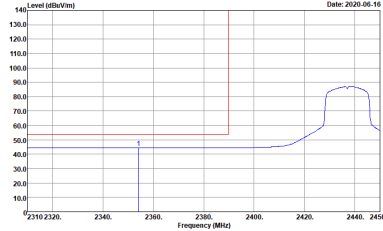
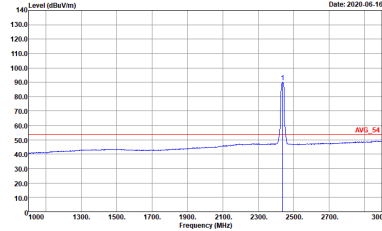


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>



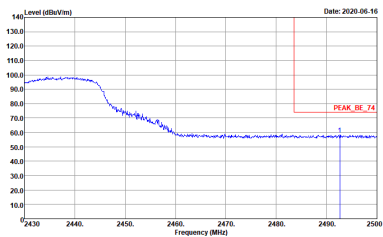
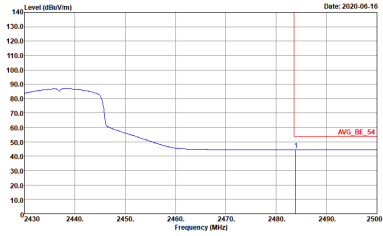
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left blank</p>



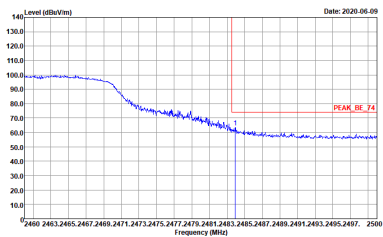
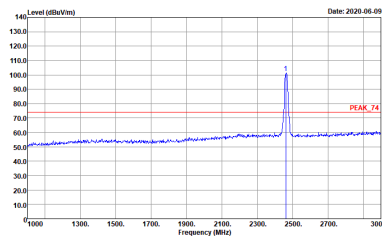
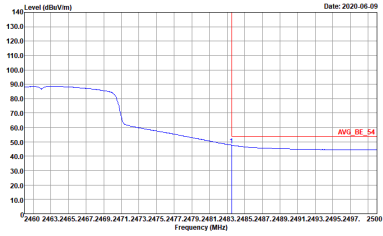
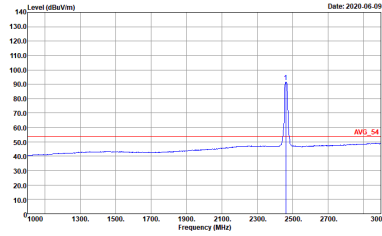
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>



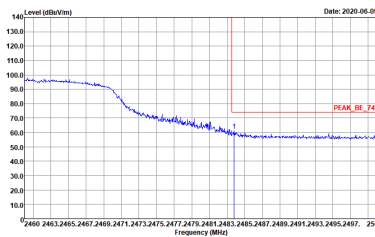
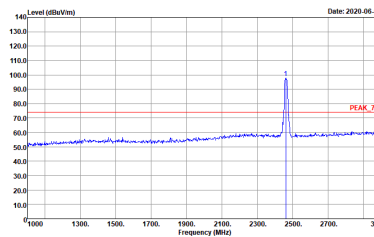
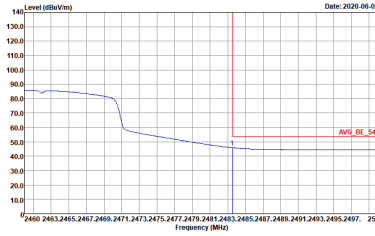
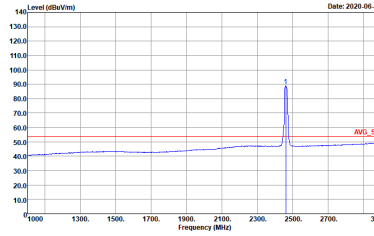


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left Blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left Blank</p>

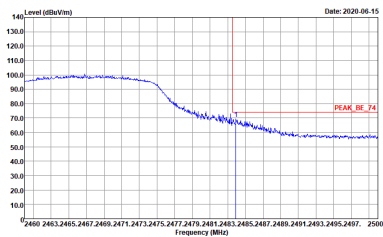
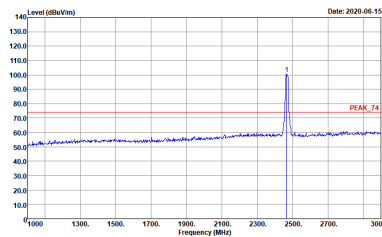
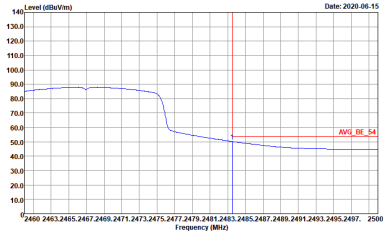
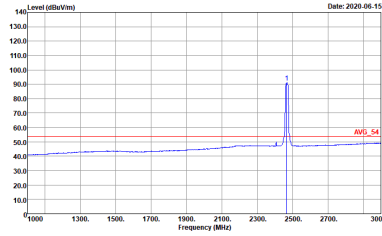


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>

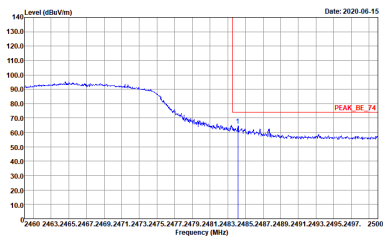
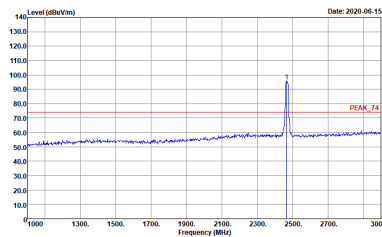
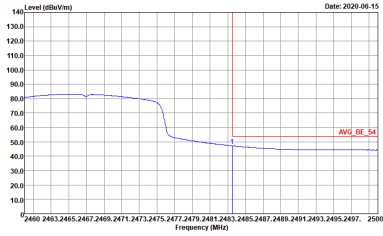
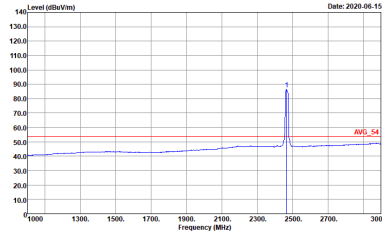


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>

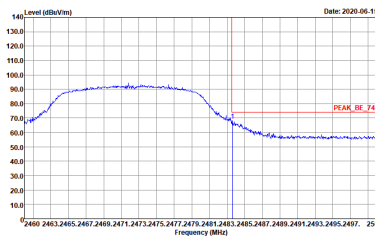
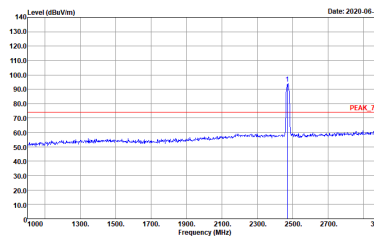
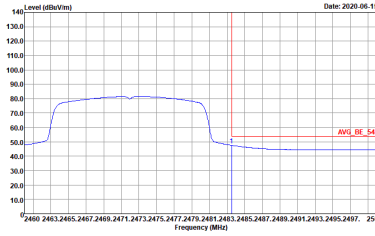
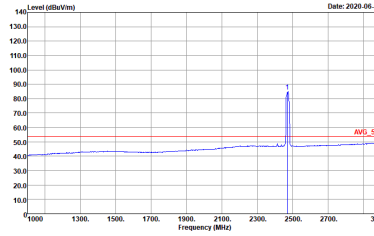


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-11Y            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-11Y            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>
Avg.	 <p>Site : 03CH18-11Y            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-11Y            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>

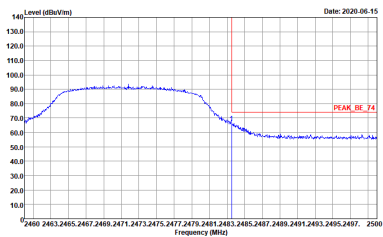
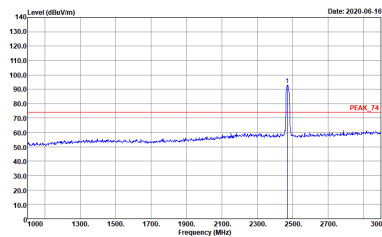
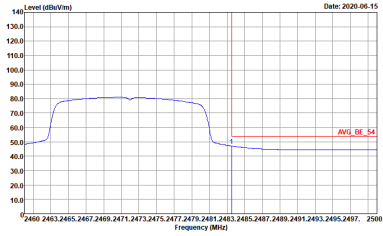
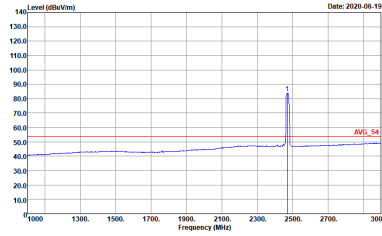


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_9120D-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_9120D-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_9120D-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Date: 2020-06-15</p> <p>Site : 03CH18-HY Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 52</p>	 <p>Date: 2020-06-19</p> <p>Site : 03CH18-HY Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 52</p>
Avg.	 <p>Date: 2020-06-15</p> <p>Site : 03CH18-HY Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 52</p>	 <p>Date: 2020-06-19</p> <p>Site : 03CH18-HY Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 52</p>

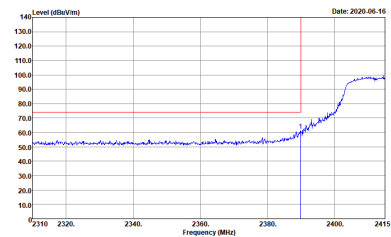
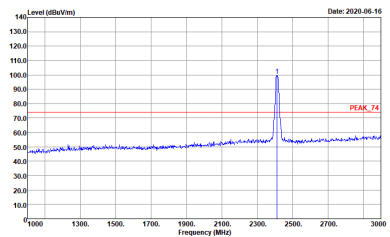
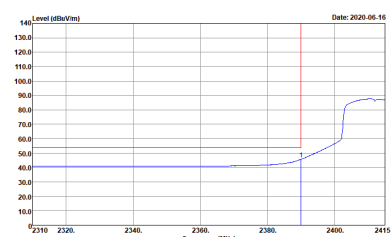
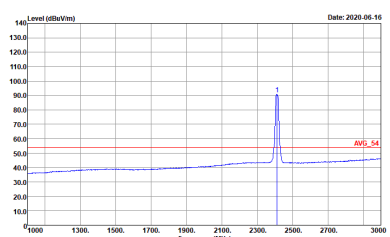


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 52</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 52</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 52</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 52</p>



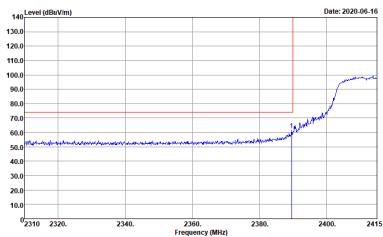
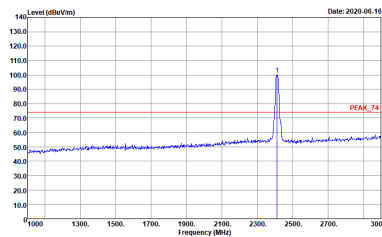
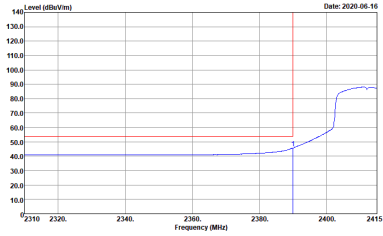
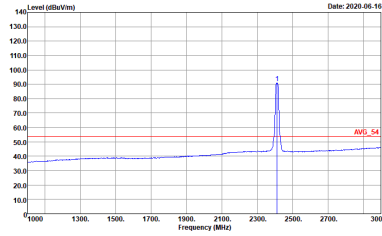
2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

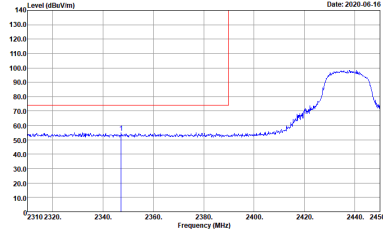
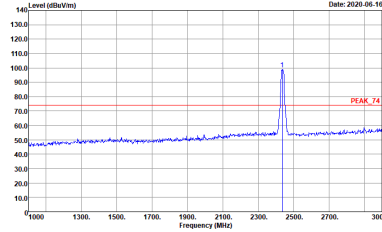
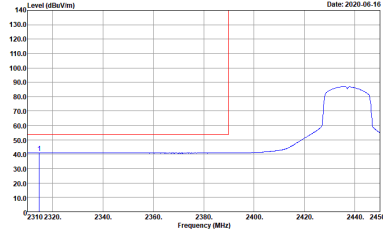
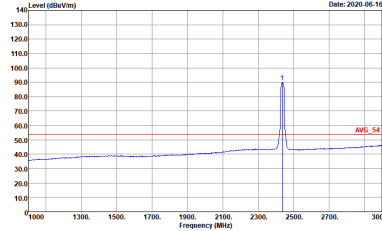
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>
<b>Avg.</b>	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>



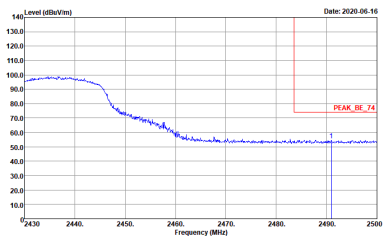
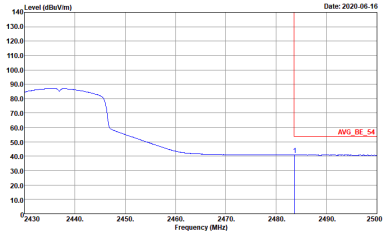


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>

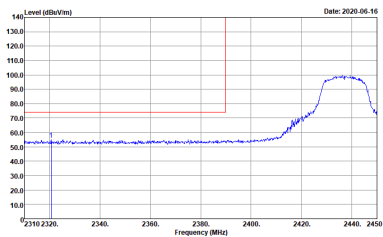
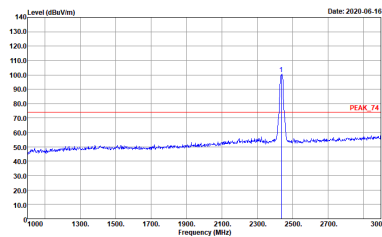
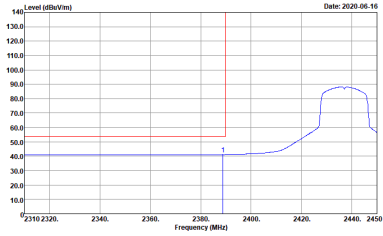
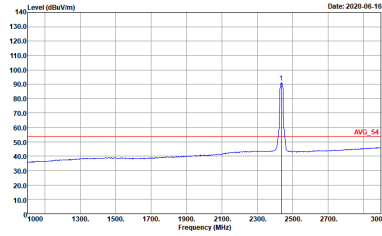


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>

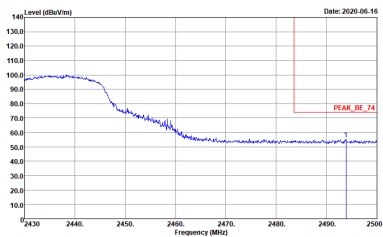
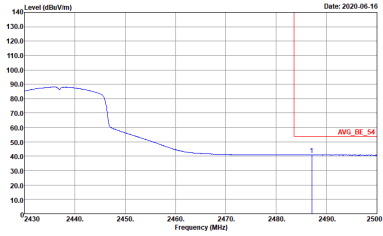


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left blank</p>

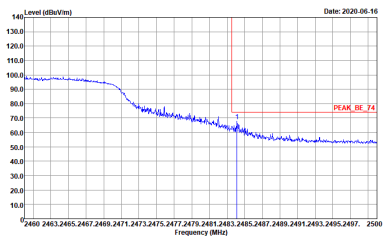
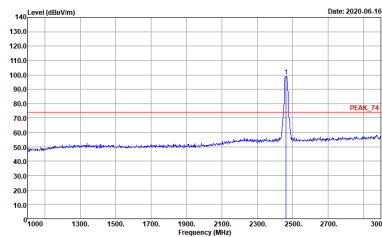
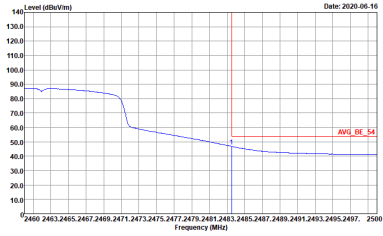
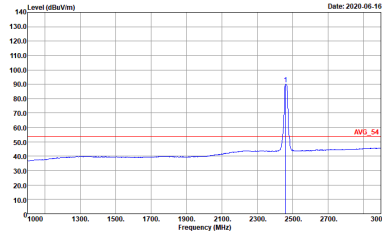


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 052653            Setting : 74</p>

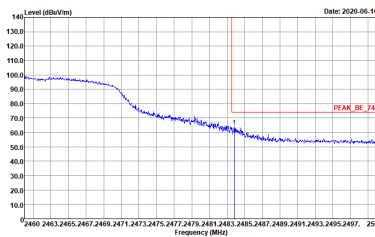
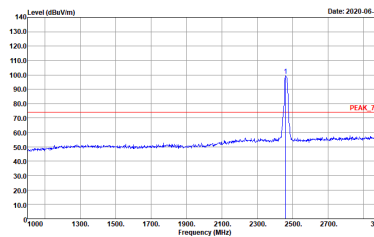
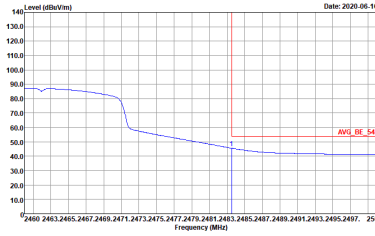
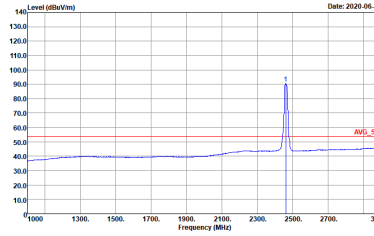


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left Blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Left Blank</p>

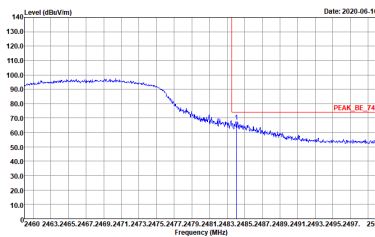
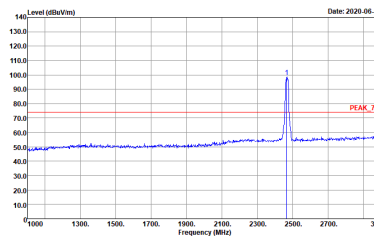
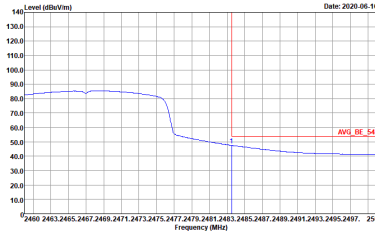
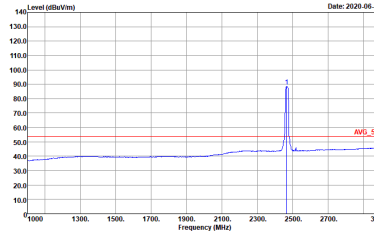


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>



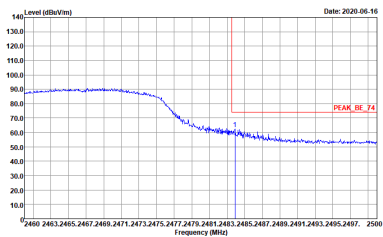
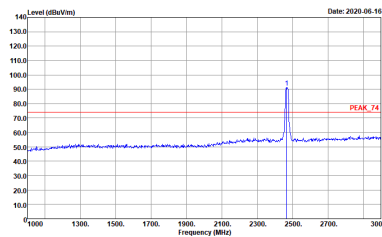
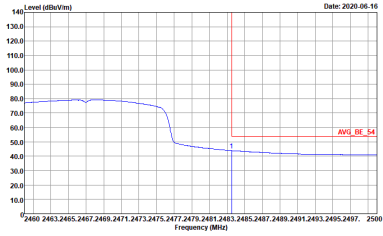
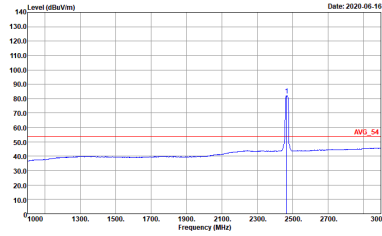
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>



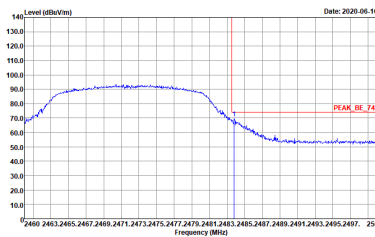
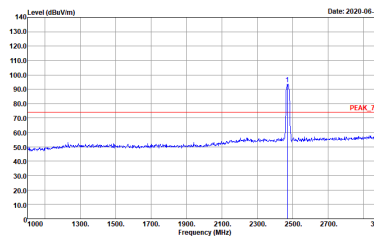
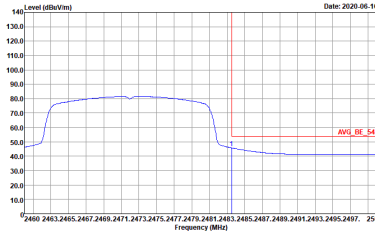
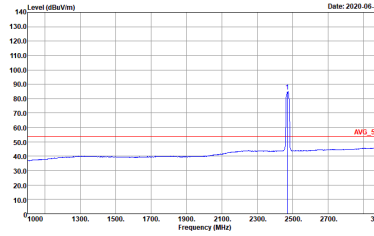
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 68</p>



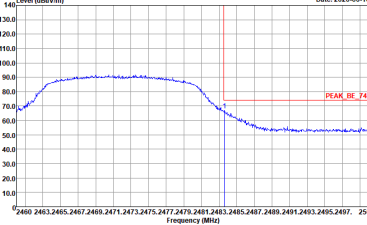
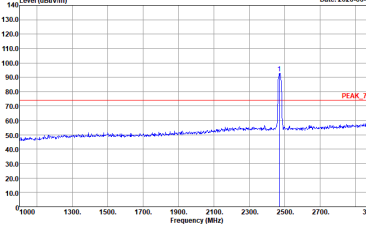
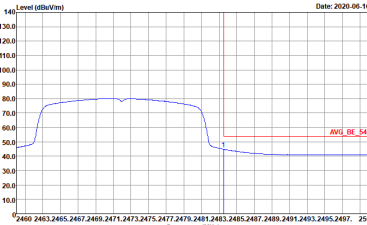
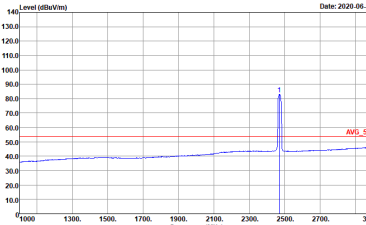


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 68</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 48</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 48</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 48</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 48</p>



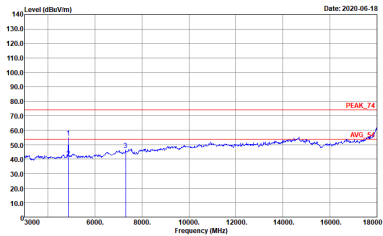
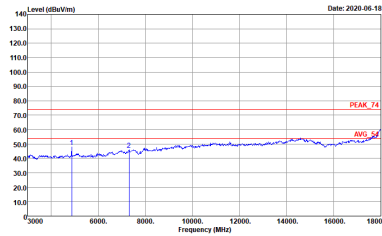
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH18-HY            Condition : PEAK_BE_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 48</p>	 <p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 48</p>
Avg.	 <p>Site : 03CH18-HY            Condition : AVG_BE_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 48</p>	 <p>Site : 03CH18-HY            Condition : AVG_54 3m HORN_91200-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 48</p>



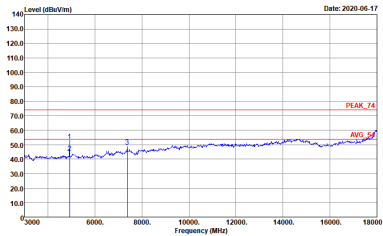
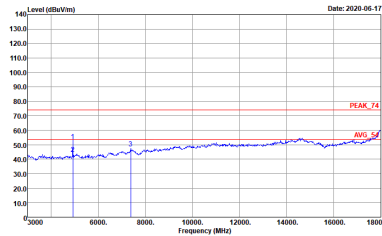
2.4GHz 2400~2483.5MHz  
 WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-HY        Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL        Detector : Peak        Project : 052653</p>	<p>Site : 03CH18-HY        Condition : PEAK_74 3m HORN_91200-1212 VERTICAL        Detector : Peak        Project : 052653</p>

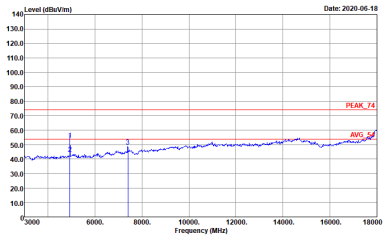
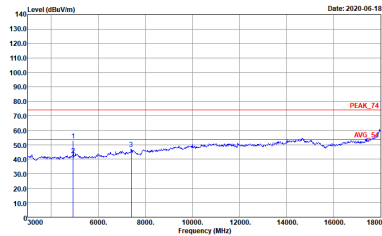


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL          Detector : Peak          Project : 052653</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 VERTICAL          Detector : Peak          Project : 052653</p>

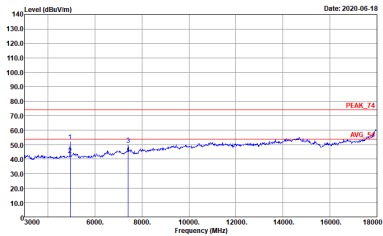
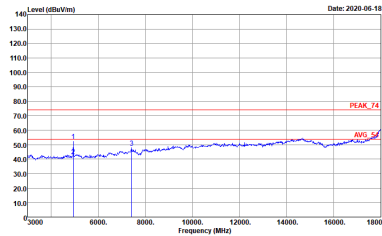


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL          Detector : Peak          Project : 052653</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 VERTICAL          Detector : Peak          Project : 052653</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL          Detector : Peak          Project : 052653</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 VERTICAL          Detector : Peak          Project : 052653</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 HORIZONTAL          Detector : Peak          Project : 052653</p>	 <p>Site : 03CH18-HY          Condition : PEAK_74 3m HORN_91200-1212 VERTICAL          Detector : Peak          Project : 052653</p>

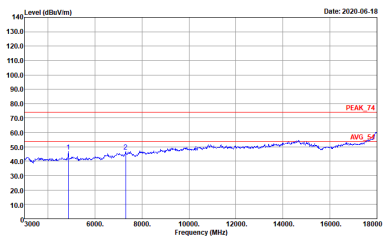
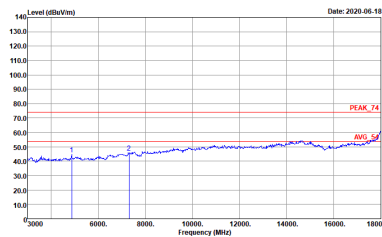




**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL            Detector : Peak            Project : 052653            Setting : 74</p>	<p>Site : 03CH18-HY            Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL            Detector : Peak            Project : 052653            Setting : 74</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-11Y          Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL          Detector : Peak          Project : 052653          Setting : 74</p>	 <p>Site : 03CH18-11Y          Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL          Detector : Peak          Project : 052653          Setting : 74</p>

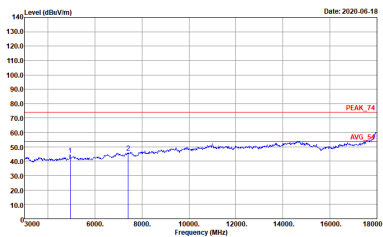
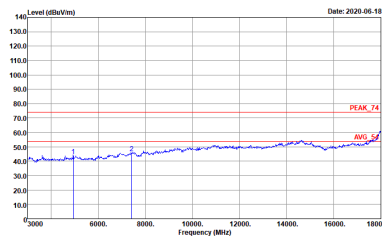


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 74</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : 74</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : -68</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : -68</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH18-11Y          Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL          Detector : Peak          Project : 052653          Setting : 52</p>	 <p>Site : 03CH18-11Y          Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL          Detector : Peak          Project : 052653          Setting : 52</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	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-HY        Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL        Detector : Peak        Project : 052653        Setting : 74</p>	<p>Site : 03CH18-HY        Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL        Detector : Peak        Project : 052653        Setting : 74</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 74</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : 74</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : 74</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : 74</p>





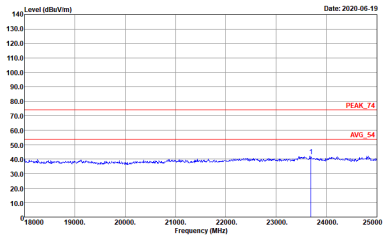
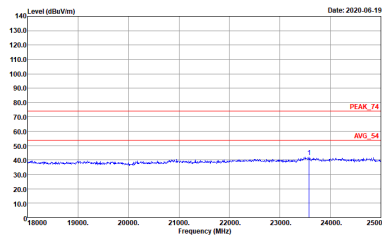
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2462MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : -68</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : -68</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 HORIZONTAL Detector : Peak Project : 052653 Setting : -48</p>	<p>Site : 03CH18-11Y Condition : PEAK_74 3m HORN_9120D-1212 VERTICAL Detector : Peak Project : 052653 Setting : -48</p>



Emission above 18GHz  
2.4GHz WIFI 802.11g (SHF)

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g SHF	
1	Horizontal	Vertical
QP / Peak	 <p>Site : 03CH18-HY Condition : PEAK_74 1m SHF HORN 88HA9170584 HORIZONTAL Detector : Peak Project : 052653</p>	 <p>Site : 03CH18-HY Condition : PEAK_74 1m SHF HORN 88HA9170584 VERTICAL Detector : Peak Project : 052653</p>



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

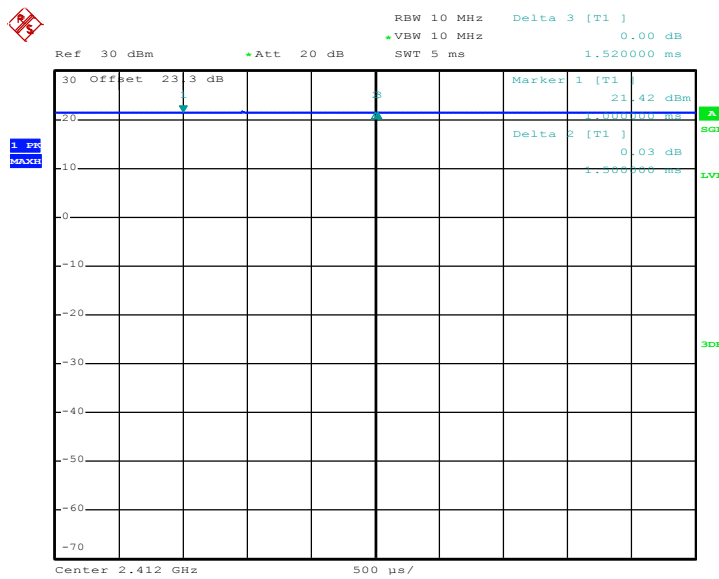
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH18-HY Condition : QP 3m BTL06_55606 &amp; 08 HORIZONTAL Detector : Peak Project : 052653</p>	<p>Site : 03CH18-HY Condition : QP 3m BTL06_55606 &amp; 08 VERTICAL Detector : Peak Project : 052653</p>



### Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11b	98.68	-	-	10Hz	0.06
802.11g	98.10	-	-	10Hz	0.08
2.4GHz 802.11n HT20	98.20	-	-	10Hz	0.08

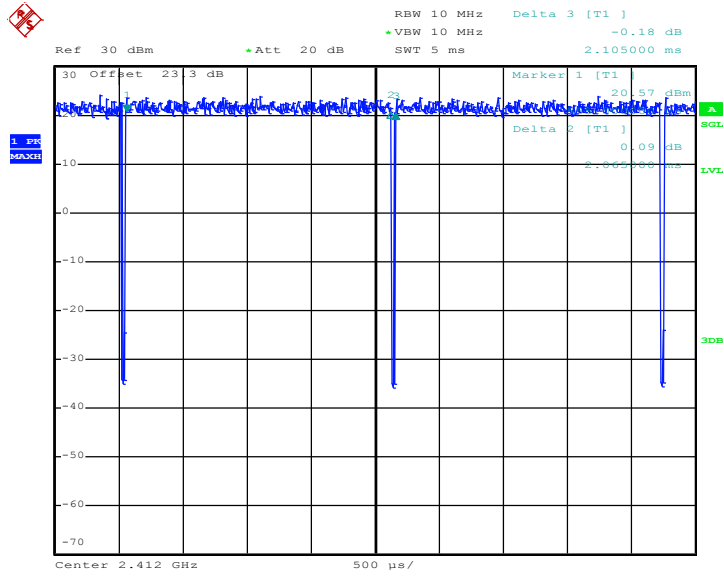
#### 802.11b



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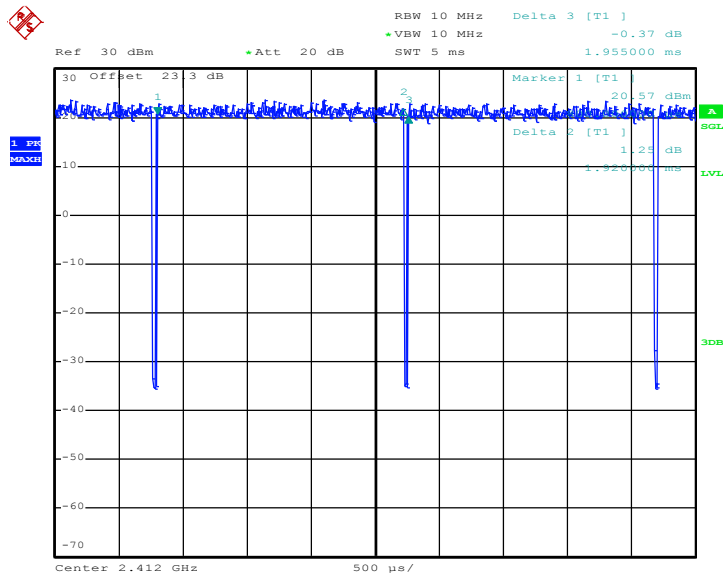


802.11g



Date: 15.JUL.2020 15:31:05

802.11n HT20



Date: 15.JUL.2020 15:38:27

— THE END —