



FCC RADIO TEST REPORT

FCC ID : A4RG025J
Equipment : Phone
Model Name : G025J, G025N, G025M
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 20, 2020 and testing was started from Jan. 23, 2020 and completed on Mar. 14, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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
FR9D0616-05E	01	Initial issue of report	Mar. 26, 2020
FR9D0616-05E	02	Revise section 1.2 and appendix A.	Mar. 30, 2020

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 1.520 dB at 5149.240 MHz and Under limit 1.520 dB at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 7.20 dB at 0.164 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	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

Product Feature	
Equipment	Phone
Model Name	G025J, G025N, G025M
FCC ID	A4RG025J
EUT supports Radios application	CDMA/EV-DO/GSM/EGPRS/WCDMA/HSPA/LTE/NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	Performed Test Item
01021FQC200445	RF Conducted Measurement
01021FQC200294	Radiated Spurious Emission
01021FQC200299	Conducted Emission

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power	<5180 MHz ~ 5240 MHz> <Ant. 3> 802.11a : 16.70 dBm / 0.0468 W 802.11n HT20 : 16.90 dBm / 0.0490 W 802.11n HT40 : 15.50 dBm / 0.0355 W 802.11ac VHT20: 16.80 dBm / 0.0479 W 802.11ac VHT40: 15.40 dBm / 0.0347 W 802.11ac VHT80: 8.70 dBm / 0.0074 W MIMO <Ant. 4 + 3> 802.11a : 19.76 dBm / 0.0946 W 802.11n HT20 : 20.06 dBm / 0.1014 W 802.11n HT40 : 18.61 dBm / 0.0726 W 802.11ac VHT20: 19.96 dBm / 0.0991 W 802.11ac VHT40: 18.51 dBm / 0.0710 W 802.11ac VHT80: 12.01 dBm / 0.0159 W <5260 MHz ~ 5320 MHz> <Ant. 3> 802.11a : 17.30 dBm / 0.0537 W 802.11n HT20 : 17.10 dBm / 0.0513 W 802.11n HT40 : 15.60 dBm / 0.0363 W 802.11ac VHT20: 17.00 dBm / 0.0501 W 802.11ac VHT40: 15.50 dBm / 0.0355 W 802.11ac VHT80: 9.90 dBm / 0.0098 W MIMO <Ant. 4 + 3> 802.11a : 20.61 dBm / 0.1151 W 802.11n HT20 : 20.26 dBm / 0.1062 W 802.11n HT40 : 18.61 dBm / 0.0726 W 802.11ac VHT20: 20.16 dBm / 0.1038 W 802.11ac VHT40: 18.51 dBm / 0.0710 W 802.11ac VHT80: 12.97 dBm / 0.0198 W

Standards-related Product Specification												
Maximum Output Power	<5500 MHz ~ 5720 MHz> <Ant. 3> 802.11a : 17.50 dBm / 0.0562 W 802.11n HT20 : 17.50 dBm / 0.0562 W 802.11n HT40 : 15.90 dBm / 0.0389 W 802.11ac VHT20: 17.40 dBm / 0.0550 W 802.11ac VHT40: 15.80 dBm / 0.0380 W 802.11ac VHT80: 16.50 dBm / 0.0447 W MIMO <Ant. 4 + 3> 802.11a : 20.61 dBm / 0.1151 W 802.11n HT20 : 20.71 dBm / 0.1178 W 802.11n HT40 : 18.86 dBm / 0.0769 W 802.11ac VHT20: 20.61 dBm / 0.1151 W 802.11ac VHT40: 18.86 dBm / 0.0769 W 802.11ac VHT80: 19.58 dBm / 0.0908 W											
99% Occupied Bandwidth	MIMO <Ant. 4> 802.11a : 16.80 MHz 802.11n HT20 : 18.00 MHz 802.11n HT40 : 36.60 MHz 802.11ac VHT80: 77.04 MHz MIMO <Ant. 3> 802.11a : 16.85 MHz 802.11n HT20 : 18.05 MHz 802.11n HT40 : 36.60 MHz 802.11ac VHT80: 76.92 MHz											
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)											
Antenna Type / Gain	<5180 MHz ~ 5240 MHz> Ant. 4 : PIFA Antenna with gain -2.40 dBi Ant. 3 : PIFA Antenna with gain -1.50 dBi <5260 MHz ~ 5320 MHz> Ant. 4 : PIFA Antenna with gain 0.20 dBi Ant. 3 : PIFA Antenna with gain -1.00 dBi <5500 MHz ~ 5720 MHz > Ant. 4 : PIFA Antenna with gain -0.70 dBi Ant. 3 : PIFA Antenna with gain -0.90 dBi											
Antenna Function Description	<table><tr><td></td><td>Ant. 4</td><td>Ant. 3</td></tr><tr><td>802.11 a/n/ac</td><td>-</td><td>V</td></tr><tr><td>802.11 a/n/ac MIMO</td><td>V</td><td>V</td></tr></table>				Ant. 4	Ant. 3	802.11 a/n/ac	-	V	802.11 a/n/ac MIMO	V	V
	Ant. 4	Ant. 3										
802.11 a/n/ac	-	V										
802.11 a/n/ac MIMO	V	V										

Note: MIMO Ant. 4+3 is a calculated result from sum of the power MIMO Ant. 4 and MIMO Ant. 3.

1.3 Modification of EUT

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



1.4 Testing Location

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

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH16-HY	

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

FCC designation No.: TW1190 and TW0007

1.5 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X 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)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122 [#]	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 [#]	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "[#]" were 802.11ac VHT80.

2.2 Test Mode

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

Single Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + WLAN (5GHz) Link + Bluetooth Link + 3.5mm AJ headset + USB Cable 2 (Charging from Adapter 2)
Remark: For Radiated Test Cases, the tests were performed with Adapter 1, Battery 1, and USB Cable 1.	

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

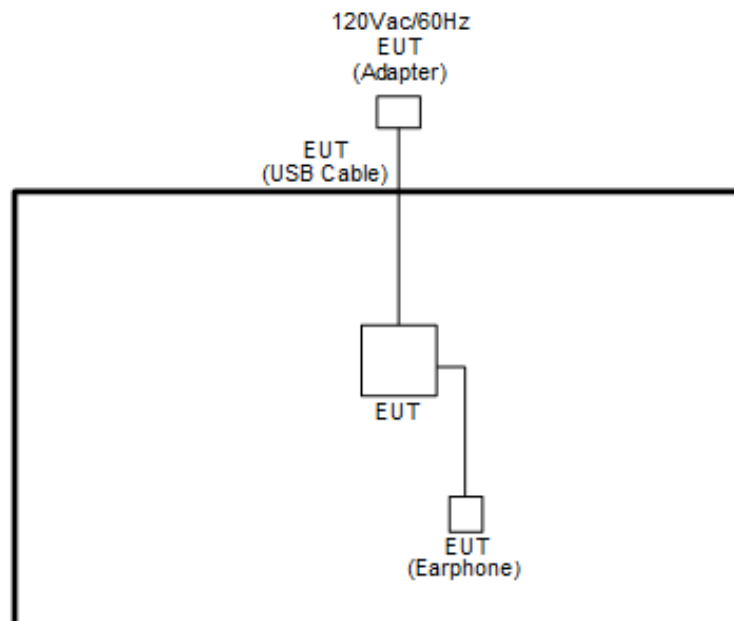
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

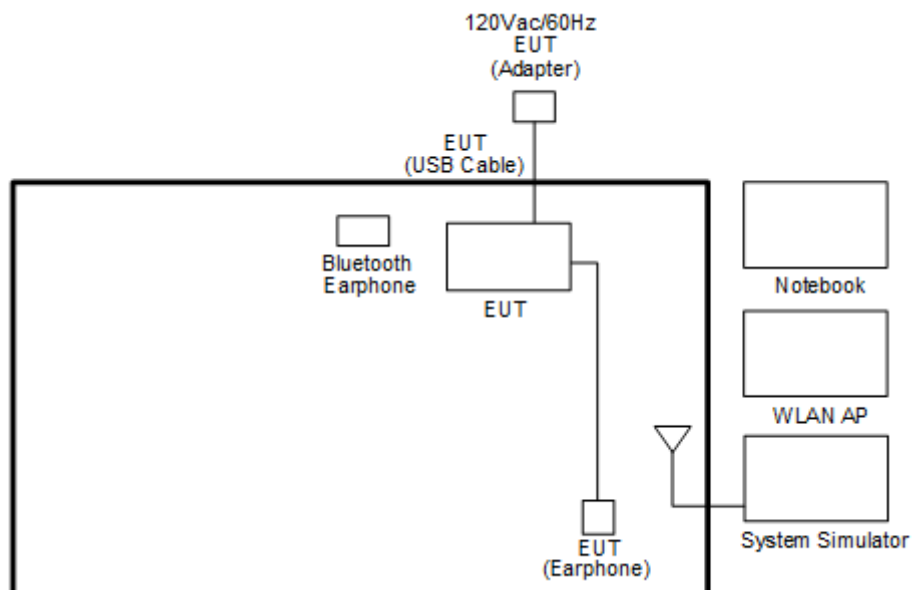
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emissions Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Google	G015B	SZGG015B	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility "QRCT v3.0.298.0" 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 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

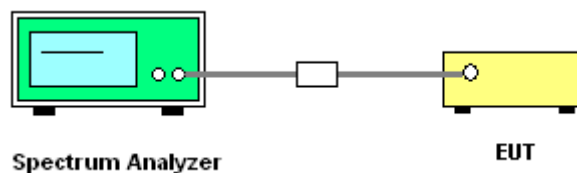
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

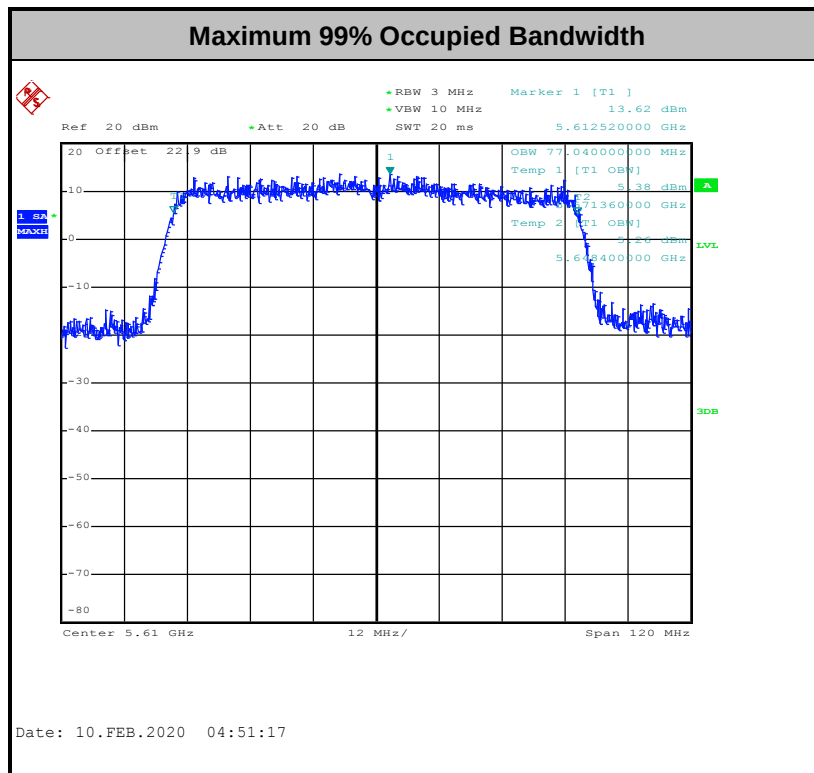
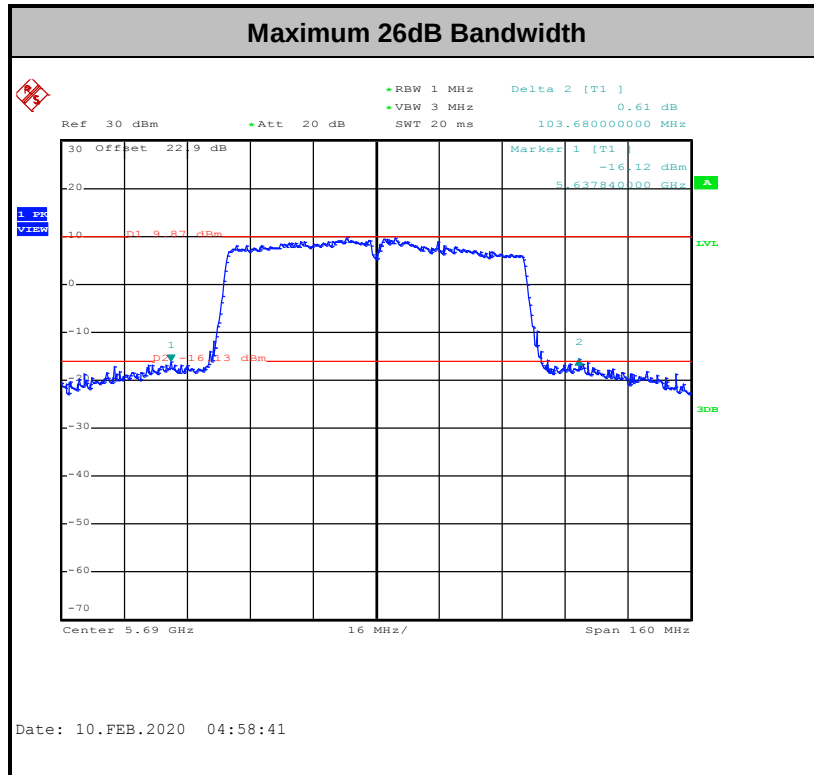
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. 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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 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 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

- For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

- The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

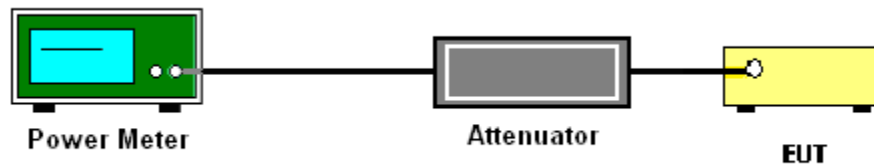
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

Method SA-3

(power averaging (rms) detection with max hold):

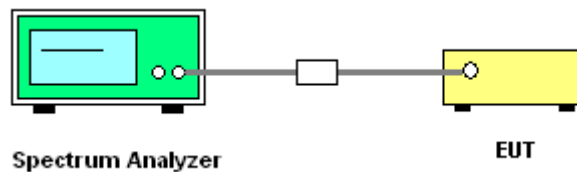
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW $\geq$ 3 MHz
- Number of points in sweep $\geq$ 2 Span / RBW.
- Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
- Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

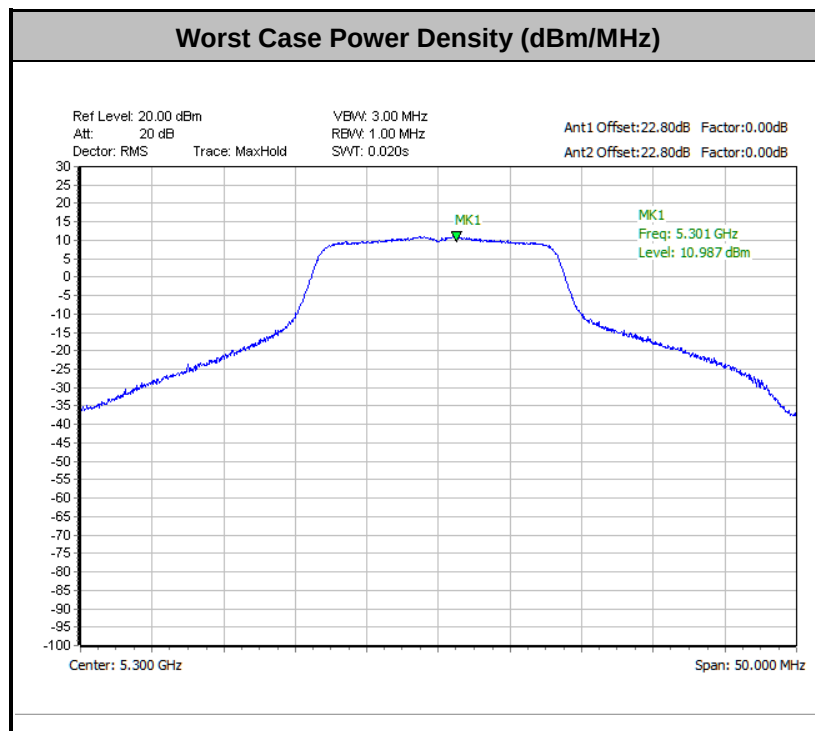
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



Note: Average Power Density (dB) = Measured value+ Duty Factor

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table:

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

Note: The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \quad \mu\text{V/m, where P is the eirp (Watts)}$$



EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

(3) KDB789033 D02 v02r01 G)2)c)

- (i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

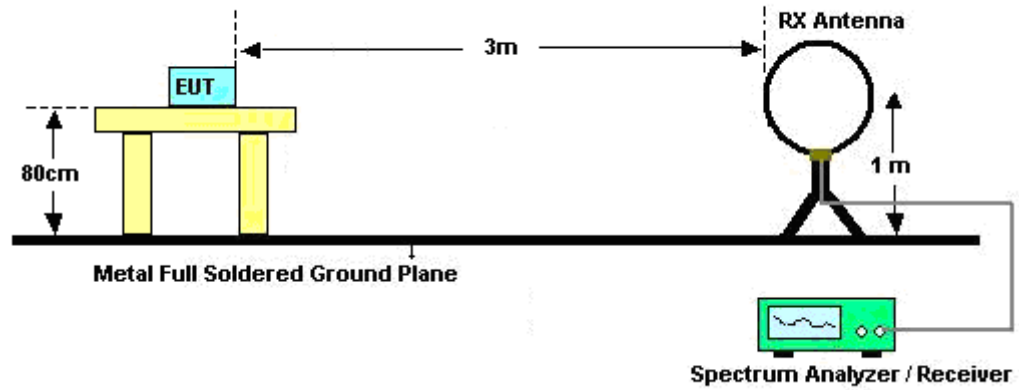
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW ≥ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold

(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

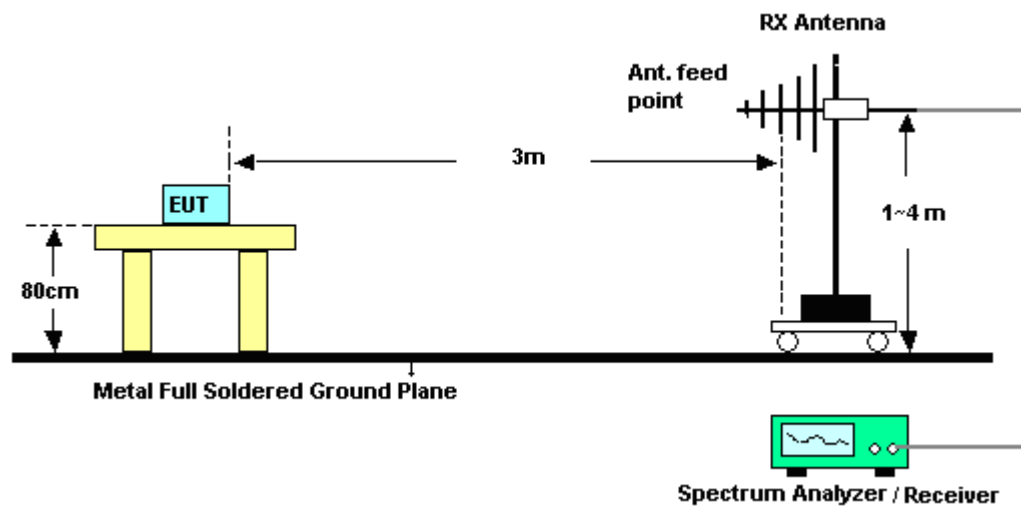
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. 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.
 3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
 4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
 5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
 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.

3.4.4 Test Setup

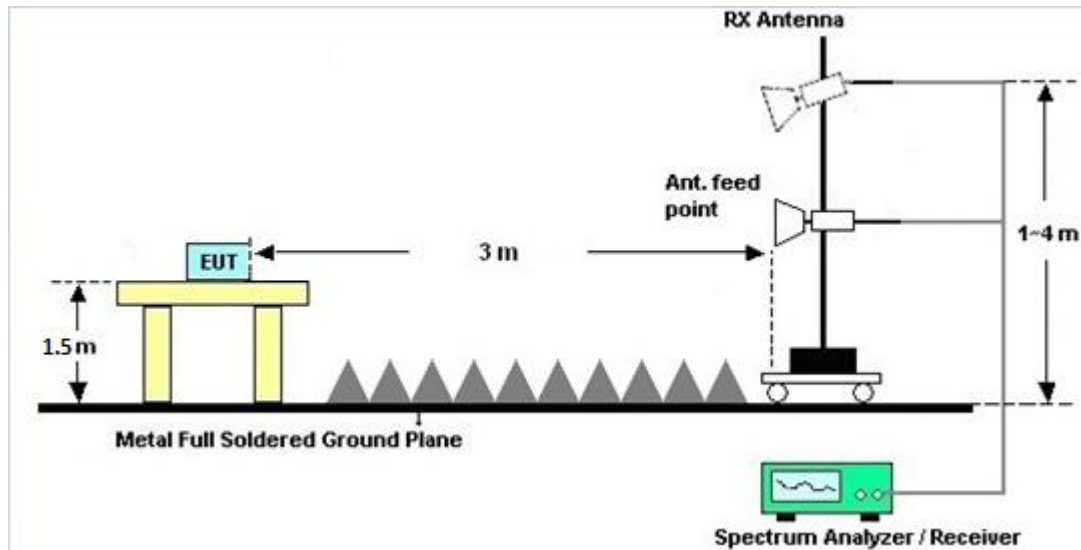
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

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.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 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 μ 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.

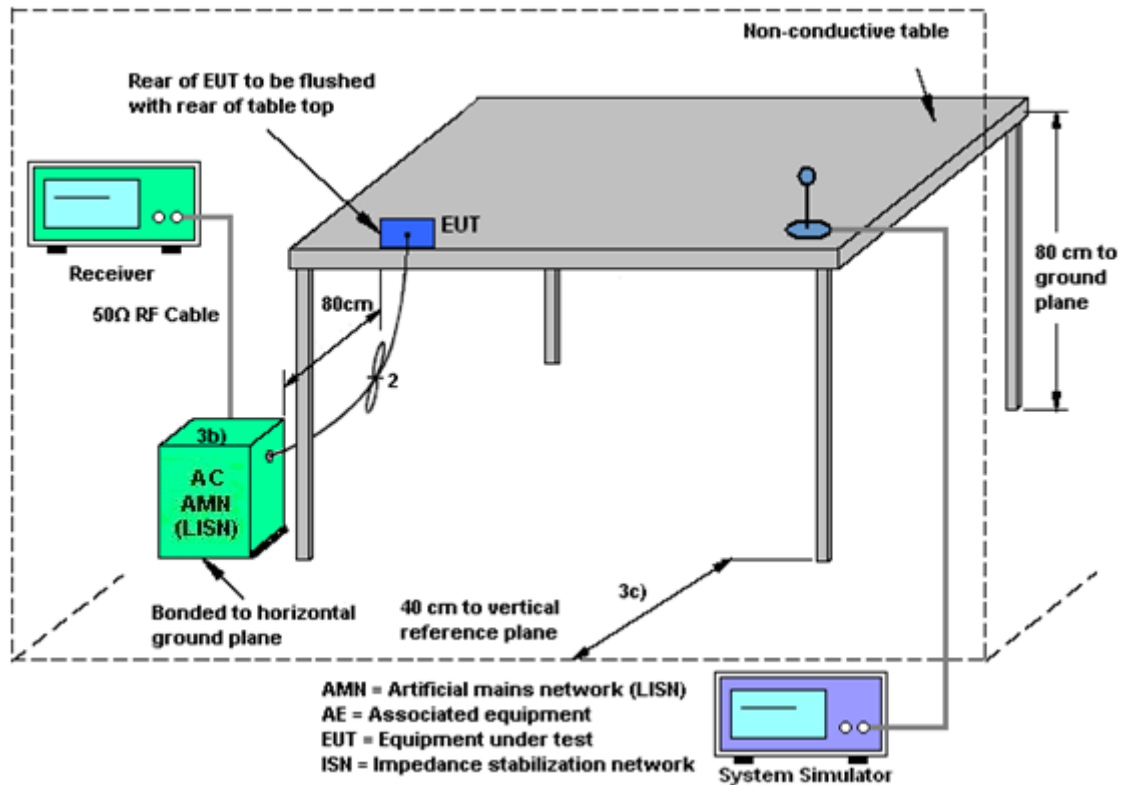
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room 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 with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

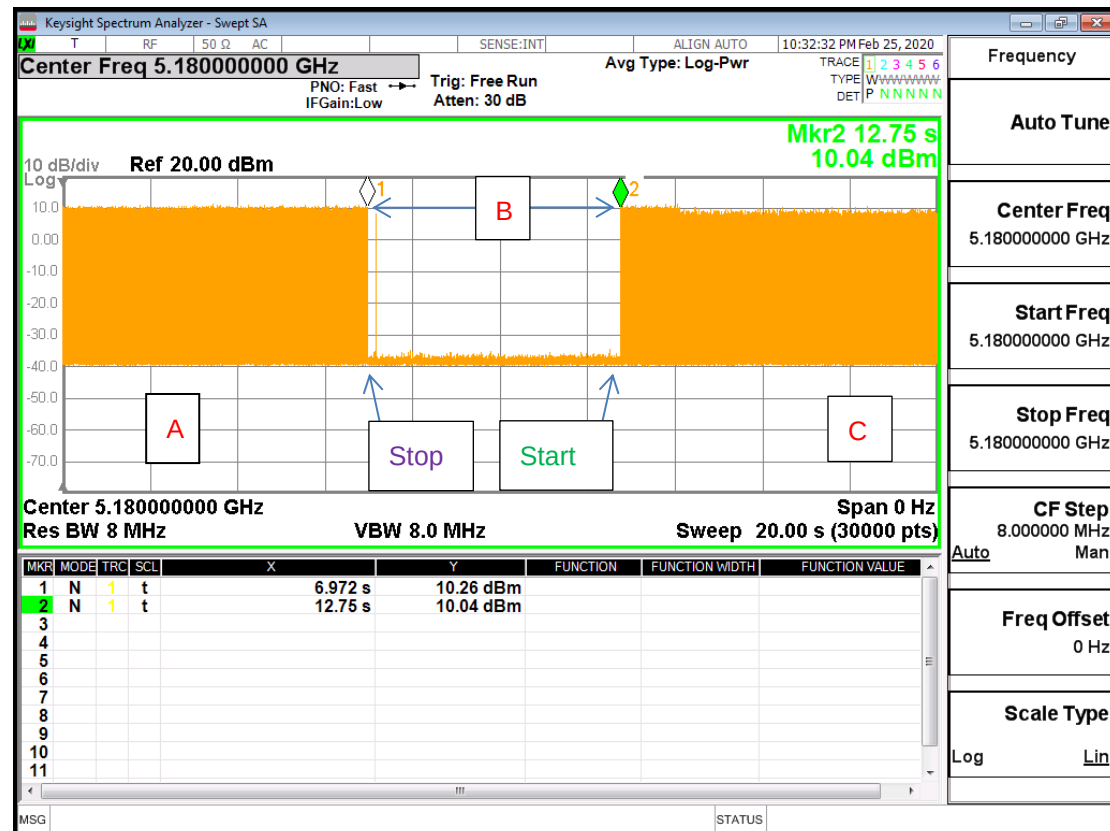
While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



5180MHz



Note: The control / signaling information during the period B is precluded.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain = $10 \log(\text{NANT}/\text{NSS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

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

The EUT supports CDD mode.

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

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

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

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

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 4	Ant. 3	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-2.40	-1.50	-1.50	1.07	0.00	0.00
Band II	0.20	-1.00	0.20	2.63	0.00	0.00
Band III	-0.70	-0.90	-0.70	2.21	0.00	0.00

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Jan. 24, 2020~ Mar. 14, 2020	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	Jan. 24, 2020~ Mar. 14, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Aug. 14, 2019	Jan. 24, 2020~ Mar. 14, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC120838 2	N/A	Mar. 27, 2019	Jan. 24, 2020~ Mar. 14, 2020	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 27, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jan. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Jan. 27, 2020	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jan. 27, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 27, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jan. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jan. 27, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Dec. 26, 2019	Jan. 23, 2020~ Feb. 17, 2020	Dec. 25, 2020	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0802N1D01N- 06	47020&06	30MHz to 1GHz	Oct. 13, 2019	Jan. 23, 2020~ Feb. 17, 2020	Oct. 12, 2020	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 19, 2019	Jan. 23, 2020~ Feb. 17, 2020	Sep. 18, 2020	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 01, 2019	Jan. 23, 2020~ Feb. 17, 2020	Sep. 30, 2020	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0054001	1GHz~18GHz	May 19, 2019	Jan. 23, 2020~ Feb. 17, 2020	May 18, 2020	Radiation (03CH16-HY)
Preamplifier	EMEC	EMC184045B	980192	18GHz ~40GHz	Jul. 10, 2019	Jan. 23, 2020~ Feb. 17, 2020	Jul. 09, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 11, 2019	Jan. 23, 2020~ Feb. 17, 2020	Dec. 10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY554201 70	20MHz~8.4GHz	Mar. 08, 2019	Jan. 23, 2020~ Feb. 17, 2020	Mar. 07, 2020	Radiation (03CH16-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 29, 2019	Jan. 23, 2020~ Feb. 17, 2020	Apr. 28, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	30MHz~18GHz	Aug. 30, 2019	Jan. 23, 2020~ Feb. 17, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	30MHz~18GHz	Aug. 30, 2019	Jan. 23, 2020~ Feb. 17, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	30MHz~18GHz	Aug. 30, 2019	Jan. 23, 2020~ Feb. 17, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Feb. 26, 2019	Jan. 23, 2020~ Feb. 17, 2020	Feb. 25, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 26, 2019	Jan. 23, 2020~ Feb. 17, 2020	Feb. 25, 2020	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 576	18GHz~40GHz	May 14, 2019	Jan. 23, 2020~ Feb. 17, 2020	May 13, 2020	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 13, 2019	Jan. 23, 2020~ Feb. 17, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN11	1.53G Low Pass	Sep. 15, 2019	Jan. 23, 2020~ Feb. 17, 2020	Sep. 14, 2020	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000 -40SS	SN3	6.75GHz High Pass	Sep. 16, 2019	Jan. 23, 2020~ Feb. 17, 2020	Sep. 15, 2020	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	Oct. 25, 2019	Jan. 23, 2020~ Feb. 17, 2020	Oct. 24, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Jan. 23, 2020~ Feb. 17, 2020	N/A	Radiation (03CH16-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.0
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.9
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Owen Yang/Tommy Lee /Richard Qiu /Luffy Lin	Temperature:	21~25	°C
Test Date:	2020/01/24 ~ 2020/03/14	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	36	5180	16.70	16.75	26.20	27.00	-	-	22.23	-	
11a	6Mbps	2	44	5220	16.75	16.75	26.60	29.70	-	-	22.24	-	
11a	6Mbps	2	48	5240	16.75	16.85	27.90	27.00	-	-	22.24	-	
HT20	MCS0	2	36	5180	17.85	17.85	26.60	26.40	-	-	22.52	-	
HT20	MCS0	2	44	5220	18.00	18.05	29.50	29.90	-	-	22.55	-	
HT20	MCS0	2	48	5240	18.00	18.05	29.30	31.80	-	-	22.55	-	
HT40	MCS0	2	38	5190	36.50	36.60	42.12	41.58	-	-	23.01	-	
HT40	MCS0	2	46	5230	36.50	36.60	41.94	41.94	-	-	23.01	-	
VHT80	MCS0	2	42	5210	76.92	76.80	83.84	82.88	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	1	36	5180	-	15.40		-	24.00	-	-1.50	Pass
11a	6Mbps	1	44	5220	-	16.50		-	24.00	-	-1.50	Pass
11a	6Mbps	1	48	5240	-	16.70		-	24.00	-	-1.50	Pass
HT20	MCS0	1	36	5180	-	14.50		-	24.00	-	-1.50	Pass
HT20	MCS0	1	44	5220	-	16.80		-	24.00	-	-1.50	Pass
HT20	MCS0	1	48	5240	-	16.90		-	24.00	-	-1.50	Pass
HT40	MCS0	1	38	5190	-	9.50		-	24.00	-	-1.50	Pass
HT40	MCS0	1	46	5230	-	15.50		-	24.00	-	-1.50	Pass
VHT20	MCS0	1	36	5180	-	14.40		-	24.00	-	-1.50	Pass
VHT20	MCS0	1	44	5220	-	16.70		-	24.00	-	-1.50	Pass
VHT20	MCS0	1	48	5240	-	16.80		-	24.00	-	-1.50	Pass
VHT40	MCS0	1	38	5190	-	9.40		-	24.00	-	-1.50	Pass
VHT40	MCS0	1	46	5230	-	15.40		-	24.00	-	-1.50	Pass
VHT80	MCS0	1	42	5210	-	8.70		-	24.00	-	-1.50	Pass

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	36	5180	15.70	15.60	18.66	24.00		-1.50		Pass
11a	6Mbps	2	44	5220	16.80	16.60	19.71	24.00		-1.50		Pass
11a	6Mbps	2	48	5240	16.70	16.80	19.76	24.00		-1.50		Pass
HT20	MCS0	2	36	5180	14.80	14.20	17.52	24.00		-1.50		Pass
HT20	MCS0	2	44	5220	17.10	16.90	20.01	24.00		-1.50		Pass
HT20	MCS0	2	48	5240	17.10	17.00	20.06	24.00		-1.50		Pass
HT40	MCS0	2	38	5190	9.60	10.00	12.81	24.00		-1.50		Pass
HT40	MCS0	2	46	5230	15.40	15.80	18.61	24.00		-1.50		Pass
VHT20	MCS0	2	36	5180	14.70	14.10	17.42	24.00		-1.50		Pass
VHT20	MCS0	2	44	5220	17.00	16.80	19.91	24.00		-1.50		Pass
VHT20	MCS0	2	48	5240	17.00	16.90	19.96	24.00		-1.50		Pass
VHT40	MCS0	2	38	5190	9.30	9.90	12.62	24.00		-1.50		Pass
VHT40	MCS0	2	46	5230	15.30	15.70	18.51	24.00		-1.50		Pass
VHT80	MCS0	2	42	5210	8.90	9.10	12.01	24.00		-1.50		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	36	5180			8.83	11.00	1.07			Pass	
11a	6Mbps	2	44	5220			10.83	11.00	1.07		Pass		
11a	6Mbps	2	48	5240			10.63	11.00	1.07		Pass		
HT20	MCS0	2	36	5180			7.23	11.00	1.07		Pass		
HT20	MCS0	2	44	5220			10.91	11.00	1.07		Pass		
HT20	MCS0	2	48	5240			10.93	11.00	1.07		Pass		
HT40	MCS0	2	38	5190			-3.45	11.00	1.07		Pass		
HT40	MCS0	2	46	5230			6.42	11.00	1.07		Pass		
VHT80	MCS0	2	42	5210			-6.44	11.00	1.07		Pass		

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	
11a	6Mbps	2	52	5260	16.80	16.85	28.60	29.50	23.25		29.25		23.98		
11a	6Mbps	2	60	5300	16.75	16.75	26.50	28.00	23.24		29.24		23.98		
11a	6Mbps	2	64	5320	16.80	16.80	27.20	28.30	23.25		29.25		23.98		
HT20	MCS0	2	52	5260	17.90	18.05	31.10	29.40	23.53		29.53		23.98		
HT20	MCS0	2	60	5300	17.95	17.90	27.30	30.90	23.53		29.53		23.98		
HT20	MCS0	2	64	5320	18.00	17.95	29.40	29.40	23.54		29.54		23.98		
HT40	MCS0	2	54	5270	36.60	36.50	42.12	42.30	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.50	36.50	42.12	41.76	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.80	76.92	82.88	82.88	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	52	5260	-	17.30		-	23.98	-	-1.00	29.98	Pass
11a	6Mbps	1	60	5300	-	17.00		-	23.98	-	-1.00	29.98	Pass
11a	6Mbps	1	64	5320	-	16.40		-	23.98	-	-1.00	29.98	Pass
HT20	MCS0	1	52	5260	-	16.50		-	23.98	-	-1.00	29.98	Pass
HT20	MCS0	1	60	5300	-	17.10		-	23.98	-	-1.00	29.98	Pass
HT20	MCS0	1	64	5320	-	17.00		-	23.98	-	-1.00	29.98	Pass
HT40	MCS0	1	54	5270	-	15.60		-	23.98	-	-1.00	29.98	Pass
HT40	MCS0	1	62	5310	-	12.50		-	23.98	-	-1.00	29.98	Pass
VHT20	MCS0	1	52	5260	-	16.40		-	23.98	-	-1.00	29.98	Pass
VHT20	MCS0	1	60	5300	-	17.00		-	23.98	-	-1.00	29.98	Pass
VHT20	MCS0	1	64	5320	-	16.90		-	23.98	-	-1.00	29.98	Pass
VHT40	MCS0	1	54	5270	-	15.50		-	23.98	-	-1.00	29.98	Pass
VHT40	MCS0	1	62	5310	-	12.40		-	23.98	-	-1.00	29.98	Pass
VHT80	MCS0	1	58	5290	-	9.90		-	23.98	-	-1.00	29.98	Pass

FCC Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260	17.60	17.60	20.61	23.98		0.20		29.98	Pass
11a	6Mbps	2	60	5300	17.20	17.30	20.26	23.98		0.20		29.98	Pass
11a	6Mbps	2	64	5320	16.70	16.40	19.56	23.98		0.20		29.98	Pass
HT20	MCS0	2	52	5260	17.00	16.80	19.91	23.98		0.20		29.98	Pass
HT20	MCS0	2	60	5300	17.10	17.20	20.16	23.98		0.20		29.98	Pass
HT20	MCS0	2	64	5320	17.30	17.20	20.26	23.98		0.20		29.98	Pass
HT40	MCS0	2	54	5270	15.40	15.80	18.61	23.98		0.20		29.98	Pass
HT40	MCS0	2	62	5310	12.60	12.60	15.61	23.98		0.20		29.98	Pass
VHT20	MCS0	2	52	5260	16.90	16.70	19.81	23.98		0.20		29.98	Pass
VHT20	MCS0	2	60	5300	17.00	17.10	20.06	23.98		0.20		29.98	Pass
VHT20	MCS0	2	64	5320	17.20	17.10	20.16	23.98		0.20		29.98	Pass
VHT40	MCS0	2	54	5270	15.30	15.70	18.51	23.98		0.20		29.98	Pass
VHT40	MCS0	2	62	5310	12.50	12.50	15.51	23.98		0.20		29.98	Pass
VHT80	MCS0	2	58	5290	9.70	10.20	12.97	23.98		0.20		29.98	Pass

TEST RESULTS DATA
Power Spectral Density

Band II MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	52	5260			10.90	11.00	2.63			Pass	
11a	6Mbps	2	60	5300			10.99	11.00	2.63			Pass	
11a	6Mbps	2	64	5320			9.61	11.00	2.63			Pass	
HT20	MCS0	2	52	5260			10.78	11.00	2.63			Pass	
HT20	MCS0	2	60	5300			10.82	11.00	2.63			Pass	
HT20	MCS0	2	64	5320			10.89	11.00	2.63			Pass	
HT40	MCS0	2	54	5270			5.90	11.00	2.63			Pass	
HT40	MCS0	2	62	5310			2.28	11.00	2.63			Pass	
VHT80	MCS0	2	58	5290			-2.65	11.00	2.63			Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	100	5500	16.80	16.65	25.90	25.30	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.70	16.70	24.80	25.10	23.23		29.23		23.98		----	----
11a	6Mbps	2	140	5700	16.80	16.80	27.40	28.20	23.25		29.25		23.98		----	----
HT20	MCS0	2	100	5500	17.90	17.85	28.50	26.10	23.52		29.52		23.98		----	----
HT20	MCS0	2	116	5580	17.90	17.85	26.10	27.30	23.52		29.52		23.98		----	----
HT20	MCS0	2	140	5700	17.90	18.00	26.90	31.40	23.53		29.53		23.98		----	----
HT40	MCS0	2	102	5510	36.60	36.60	42.12	41.76	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.60	36.60	41.94	41.94	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.60	36.50	41.94	42.30	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	76.80	76.92	83.20	82.88	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	77.04	76.92	82.56	83.84	23.98		30.00		23.98		----	----

Band III straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3
11a	6Mbps	2	144	5720	13.40	13.40	18.00	17.80	22.27		28.27		23.50		2.9	2.7
HT20	MCS0	2	144	5720	14.00	14.05	18.60	19.30	22.46		28.46		23.70		3.4	3.1
HT40	MCS0	2	142	5710	33.30	33.40	36.06	36.24	23.98		30.00		23.98		2.6	2.6
VHT80	MCS0	2	138	5690	73.64	73.88	76.92	87.16	23.98		30.00		23.98		2.68	2.68

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	100	5500	-	16.80		-	23.98	-	-0.90	29.98	Pass
11a	6Mbps	1	116	5580	-	16.50		-	23.98	-	-0.90	29.98	Pass
11a	6Mbps	1	140	5700	-	17.40		-	23.98	-	-0.90	29.98	Pass
HT20	MCS0	1	100	5500	-	16.80		-	23.98	-	-0.90	29.98	Pass
HT20	MCS0	1	116	5580	-	16.80		-	23.98	-	-0.90	29.98	Pass
HT20	MCS0	1	140	5700	-	17.40		-	23.98	-	-0.90	29.98	Pass
HT40	MCS0	1	102	5510	-	13.60		-	23.98	-	-0.90	29.98	Pass
HT40	MCS0	1	110	5550	-	15.90		-	23.98	-	-0.90	29.98	Pass
HT40	MCS0	1	134	5670	-	15.20		-	23.98	-	-0.90	29.98	Pass
VHT20	MCS0	1	100	5500	-	16.70		-	23.98	-	-0.90	29.98	Pass
VHT20	MCS0	1	116	5580	-	16.70		-	23.98	-	-0.90	29.98	Pass
VHT20	MCS0	1	140	5700	-	17.30		-	23.98	-	-0.90	29.98	Pass
VHT40	MCS0	1	102	5510	-	13.50		-	23.98	-	-0.90	29.98	Pass
VHT40	MCS0	1	110	5550	-	15.80		-	23.98	-	-0.90	29.98	Pass
VHT40	MCS0	1	134	5670	-	15.10		-	23.98	-	-0.90	29.98	Pass
VHT80	MCS0	1	106	5530	-	10.20		-	23.98	-	-0.90	29.98	Pass
VHT80	MCS0	1	122	5610	-	16.40		-	23.98	-	-0.90	29.98	Pass

FCC Band III MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500	17.10	16.90	20.01	23.98		-0.70		29.98	Pass
11a	6Mbps	2	116	5580	16.40	16.70	19.56	23.98		-0.70		29.98	Pass
11a	6Mbps	2	140	5700	17.30	17.50	20.41	23.98		-0.70		29.98	Pass
HT20	MCS0	2	100	5500	17.00	16.90	19.96	23.98		-0.70		29.98	Pass
HT20	MCS0	2	116	5580	16.90	16.90	19.91	23.98		-0.70		29.98	Pass
HT20	MCS0	2	140	5700	17.80	17.60	20.71	23.98		-0.70		29.98	Pass
HT40	MCS0	2	102	5510	14.20	13.80	17.01	23.98		-0.70		29.98	Pass
HT40	MCS0	2	110	5550	15.80	15.90	18.86	23.98		-0.70		29.98	Pass
HT40	MCS0	2	134	5670	15.40	15.60	18.51	23.98		-0.70		29.98	Pass
VHT20	MCS0	2	100	5500	16.90	16.80	19.86	23.98		-0.70		29.98	Pass
VHT20	MCS0	2	116	5580	16.80	17.00	19.91	23.98		-0.70		29.98	Pass
VHT20	MCS0	2	140	5700	17.70	17.50	20.61	23.98		-0.70		29.98	Pass
VHT40	MCS0	2	102	5510	14.10	13.70	16.91	23.98		-0.70		29.98	Pass
VHT40	MCS0	2	110	5550	16.00	15.70	18.86	23.98		-0.70		29.98	Pass
VHT40	MCS0	2	134	5670	15.30	15.50	18.41	23.98		-0.70		29.98	Pass
VHT80	MCS0	2	106	5530	10.80	10.60	13.71	23.98		-0.70		29.98	Pass
VHT80	MCS0	2	122	5610	16.50	16.50	19.51	23.98		-0.70		29.98	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	1	144	5720	-	17.50		-	23.50	-	-0.90	29.50	Pass
HT20	MCS0	1	144	5720	-	17.50		-	23.86	-	-0.90	29.86	Pass
HT40	MCS0	1	142	5710	-	15.50		-	23.98	-	-0.90	29.98	Pass
VHT20	MCS0	1	144	5720	-	17.40		-	23.86	-	-0.90	29.86	Pass
VHT40	MCS0	1	142	5710	-	15.40		-	23.98	-	-0.90	29.98	Pass
VHT80	MCS0	1	138	5690	-	16.50		-	23.98	-	-0.90	29.98	Pass

FCC Band III straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720	17.50	17.70	20.61	23.50		-0.70		29.50	Pass
HT20	MCS0	2	144	5720	17.50	17.60	20.56	23.70		-0.70		29.70	Pass
HT40	MCS0	2	142	5710	15.10	16.00	18.58	23.98		-0.70		29.98	Pass
VHT20	MCS0	2	144	5720	17.40	17.50	20.46	23.70		-0.70		29.70	Pass
VHT40	MCS0	2	142	5710	15.00	15.90	18.48	23.98		-0.70		29.98	Pass
VHT80	MCS0	2	138	5690	16.10	17.00	19.58	23.98		-0.70		29.98	Pass

TEST RESULTS DATA
Power Spectral Density

Band III MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	100	5500			10.92	11.00	2.21			Pass	
11a	6Mbps	2	116	5580			10.88	11.00	2.21			Pass	
11a	6Mbps	2	140	5700			10.95	11.00	2.21			Pass	
HT20	MCS0	2	100	5500			10.74	11.00	2.21			Pass	
HT20	MCS0	2	116	5580			10.88	11.00	2.21			Pass	
HT20	MCS0	2	140	5700			10.88	11.00	2.21			Pass	
HT40	MCS0	2	102	5510			3.37	11.00	2.21			Pass	
HT40	MCS0	2	110	5550			6.01	11.00	2.21			Pass	
HT40	MCS0	2	134	5670			6.56	11.00	2.21			Pass	
VHT80	MCS0	2	106	5530			-2.67	11.00	2.21			Pass	
VHT80	MCS0	2	122	5610			5.09	11.00	2.21			Pass	

Band III straddle channel MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 3	SUM	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	144	5720				10.90	11.00	2.21			Pass
HT20	MCS0	2	144	5720				10.81	11.00	2.21			Pass
HT40	MCS0	2	142	5710				6.35	11.00	2.21			Pass
VHT80	MCS0	2	138	5690				5.11	11.00	2.21			Pass



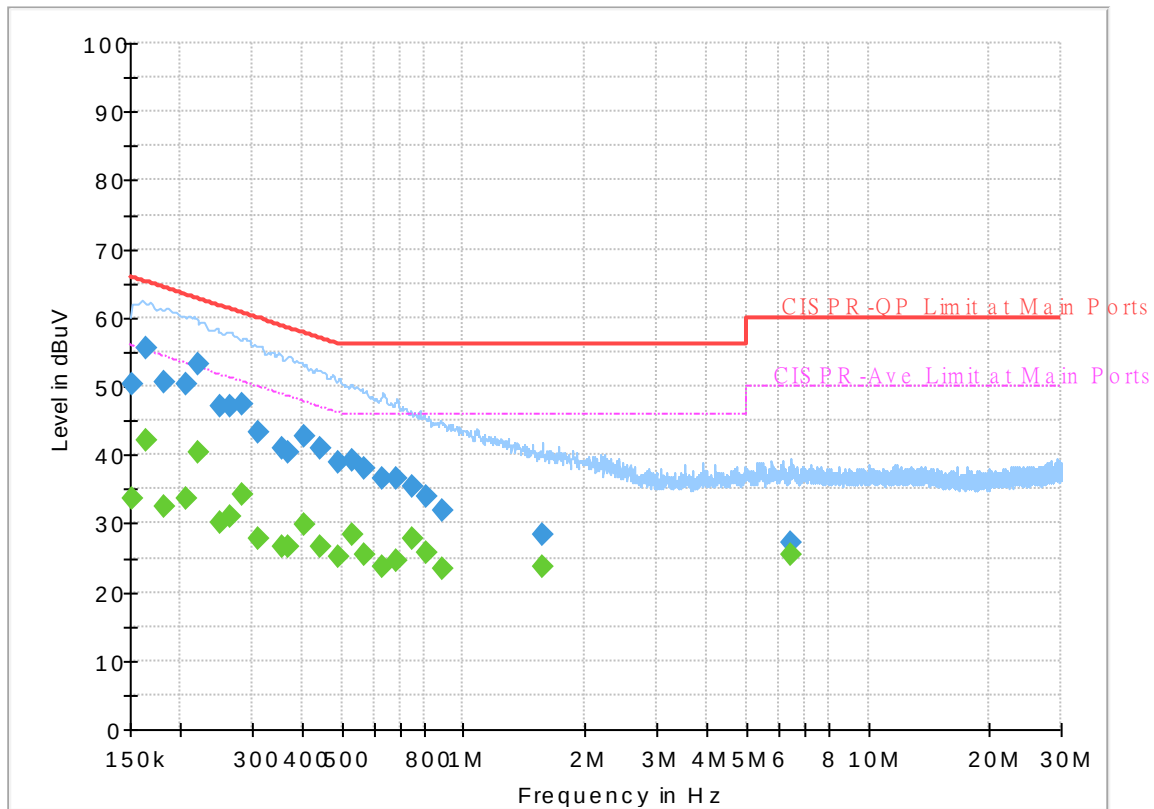
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	22~25℃
		Relative Humidity :	45~53%

EUT Information

Report NO : 9D0616-05
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final Result

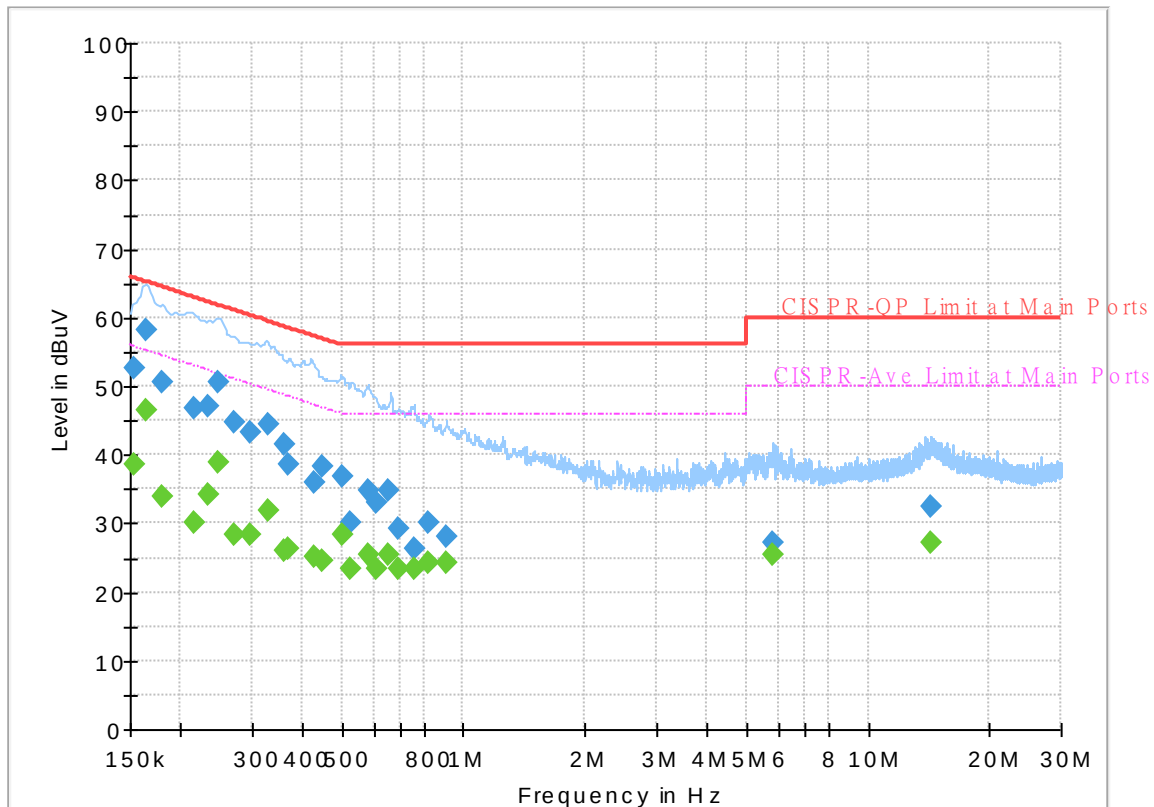
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.151485	---	33.68	55.92	22.24	L1	OFF	19.5
0.151485	50.32	---	65.92	15.60	L1	OFF	19.5
0.164310	---	42.10	55.24	13.14	L1	OFF	19.5
0.164310	55.55	---	65.24	9.69	L1	OFF	19.5
0.182130	---	32.46	54.39	21.93	L1	OFF	19.5
0.182130	50.67	---	64.39	13.72	L1	OFF	19.5
0.206250	---	33.61	53.36	19.75	L1	OFF	19.5
0.206250	50.18	---	63.36	13.18	L1	OFF	19.5
0.222000	---	40.40	52.74	12.34	L1	OFF	19.5
0.222000	53.21	---	62.74	9.53	L1	OFF	19.5
0.250800	---	30.14	51.73	21.59	L1	OFF	19.5
0.250800	47.03	---	61.73	14.70	L1	OFF	19.5
0.264570	---	31.02	51.29	20.27	L1	OFF	19.5
0.264570	47.01	---	61.29	14.28	L1	OFF	19.5
0.285000	---	34.18	50.67	16.49	L1	OFF	19.5
0.285000	47.45	---	60.67	13.22	L1	OFF	19.5
0.312000	---	27.64	49.92	22.28	L1	OFF	19.5
0.312000	43.18	---	59.92	16.74	L1	OFF	19.5
0.354750	---	26.66	48.85	22.19	L1	OFF	19.5
0.354750	40.88	---	58.85	17.97	L1	OFF	19.5
0.368430	---	26.69	48.54	21.85	L1	OFF	19.5

0.368430	40.28	---	58.54	18.26	L1	OFF	19.5
0.405510	---	29.75	47.74	17.99	L1	OFF	19.5
0.405510	42.74	---	57.74	15.00	L1	OFF	19.5
0.444480	---	26.62	46.98	20.36	L1	OFF	19.5
0.444480	41.02	---	56.98	15.96	L1	OFF	19.5
0.489750	---	25.13	46.17	21.04	L1	OFF	19.5
0.489750	38.98	---	56.17	17.19	L1	OFF	19.5
0.532500	---	28.32	46.00	17.68	L1	OFF	19.5
0.532500	39.04	---	56.00	16.96	L1	OFF	19.5
0.569310	---	25.39	46.00	20.61	L1	OFF	19.5
0.569310	37.97	---	56.00	18.03	L1	OFF	19.5
0.629250	---	23.76	46.00	22.24	L1	OFF	19.5
0.629250	36.42	---	56.00	19.58	L1	OFF	19.5
0.686490	---	24.71	46.00	21.29	L1	OFF	19.5
0.686490	36.46	---	56.00	19.54	L1	OFF	19.5
0.744000	---	27.79	46.00	18.21	L1	OFF	19.5
0.744000	35.45	---	56.00	20.55	L1	OFF	19.5
0.807180	---	25.73	46.00	20.27	L1	OFF	19.6
0.807180	33.83	---	56.00	22.17	L1	OFF	19.6
0.882600	---	23.40	46.00	22.60	L1	OFF	19.6
0.882600	31.88	---	56.00	24.12	L1	OFF	19.6
1.565250	---	23.72	46.00	22.28	L1	OFF	19.6
1.565250	28.35	---	56.00	27.65	L1	OFF	19.6
6.465750	---	25.39	50.00	24.61	L1	OFF	19.8
6.465750	27.30	---	60.00	32.70	L1	OFF	19.8

EUT Information

Report NO : 9D0616-05
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154050	---	38.61	55.78	17.17	N	OFF	19.6
0.154050	52.69	---	65.78	13.09	N	OFF	19.6
0.163680	---	46.39	55.28	8.89	N	OFF	19.6
0.163680	58.08	---	65.28	7.20	N	OFF	19.6
0.179250	---	33.97	54.52	20.55	N	OFF	19.6
0.179250	50.45	---	64.52	14.07	N	OFF	19.6
0.215250	---	30.08	53.00	22.92	N	OFF	19.6
0.215250	46.74	---	63.00	16.26	N	OFF	19.6
0.233250	---	34.13	52.33	18.20	N	OFF	19.6
0.233250	47.15	---	62.33	15.18	N	OFF	19.6
0.246750	---	38.92	51.87	12.95	N	OFF	19.6
0.246750	50.66	---	61.87	11.21	N	OFF	19.6
0.271950	---	28.26	51.06	22.80	N	OFF	19.6
0.271950	44.72	---	61.06	16.34	N	OFF	19.6
0.297420	---	28.49	50.32	21.83	N	OFF	19.6
0.297420	43.41	---	60.32	16.91	N	OFF	19.6
0.327390	---	31.77	49.52	17.75	N	OFF	19.6
0.327390	44.53	---	59.52	14.99	N	OFF	19.6
0.359250	---	25.93	48.75	22.82	N	OFF	19.6
0.359250	41.66	---	58.75	17.09	N	OFF	19.6
0.370500	---	26.45	48.49	22.04	N	OFF	19.6

0.370500	38.48	---	58.49	20.01	N	OFF	19.6
0.426750	---	25.14	47.32	22.18	N	OFF	19.6
0.426750	35.90	---	57.32	21.42	N	OFF	19.6
0.447000	---	24.44	46.93	22.49	N	OFF	19.6
0.447000	38.43	---	56.93	18.50	N	OFF	19.6
0.500550	---	28.24	46.00	17.76	N	OFF	19.6
0.500550	36.98	---	56.00	19.02	N	OFF	19.6
0.526830	---	23.45	46.00	22.55	N	OFF	19.6
0.526830	30.15	---	56.00	25.85	N	OFF	19.6
0.585150	---	25.38	46.00	20.62	N	OFF	19.6
0.585150	34.79	---	56.00	21.21	N	OFF	19.6
0.606930	---	23.26	46.00	22.74	N	OFF	19.6
0.606930	33.02	---	56.00	22.98	N	OFF	19.6
0.654000	---	25.46	46.00	20.54	N	OFF	19.6
0.654000	34.85	---	56.00	21.15	N	OFF	19.6
0.691440	---	23.26	46.00	22.74	N	OFF	19.6
0.691440	29.16	---	56.00	26.84	N	OFF	19.6
0.756510	---	23.39	46.00	22.61	N	OFF	19.6
0.756510	26.26	---	56.00	29.74	N	OFF	19.6
0.819690	---	24.19	46.00	21.81	N	OFF	19.6
0.819690	29.99	---	56.00	26.01	N	OFF	19.6
0.903750	---	24.27	46.00	21.73	N	OFF	19.6
0.903750	28.20	---	56.00	27.80	N	OFF	19.6
5.806140	---	25.34	50.00	24.66	N	OFF	19.8
5.806140	27.14	---	60.00	32.86	N	OFF	19.8
14.383500	---	27.29	50.00	22.71	N	OFF	20.2
14.383500	32.57	---	60.00	27.43	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hung, CR Liao, and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.24	64.68	-9.32	74	49.51	31.7	12.32	28.85	100	359	P	H
		5149.24	52.48	-1.52	54	37.31	31.7	12.32	28.85	100	359	A	H
	*	5180	111.71	-	-	96.64	31.58	12.36	28.87	100	359	P	H
	*	5180	104.88	-	-	89.81	31.58	12.36	28.87	100	359	A	H
		5148.2	57.43	-16.57	74	42.26	31.7	12.32	28.85	393	309	P	V
		5149.24	47.88	-6.12	54	32.71	31.7	12.32	28.85	393	309	A	V
	*	5180	107.13	-	-	92.06	31.58	12.36	28.87	393	309	P	V
	*	5180	100.28	-	-	85.21	31.58	12.36	28.87	393	309	A	V
802.11a CH 44 5220MHz		5148.2	53.77	-20.23	74	38.6	31.7	12.32	28.85	100	358	P	H
		5147.68	43.85	-10.15	54	28.68	31.7	12.32	28.85	100	358	A	H
	*	5220	113.83	-	-	98.9	31.42	12.41	28.9	100	358	P	H
	*	5220	106.79	-	-	91.86	31.42	12.41	28.9	100	358	A	H
		5380.48	53.38	-20.62	74	38.5	31.32	12.56	29	100	358	P	H
		5457.2	43.18	-10.82	54	27.93	31.61	12.69	29.05	100	358	A	H
		5131.82	54.1	-19.9	74	38.9	31.74	12.3	28.84	364	309	P	V
		5122.72	43.18	-10.82	54	27.97	31.75	12.29	28.83	364	309	A	V
	*	5220	108.97	-	-	94.04	31.42	12.41	28.9	364	309	P	V
	*	5220	101.7	-	-	86.77	31.42	12.41	28.9	364	309	A	V
		5419.4	53.12	-20.88	74	38.05	31.48	12.62	29.03	364	309	P	V
		5448.8	42.75	-11.25	54	27.53	31.6	12.67	29.05	364	309	A	V



802.11a CH 48 5240MHz		5127.66	53.5	-20.5	74	38.3	31.74	12.29	28.83	112	358	P	H
		5136.24	43.3	-10.7	54	28.11	31.73	12.3	28.84	112	358	A	H
	*	5240	113.76	-	-	98.9	31.34	12.43	28.91	112	358	P	H
	*	5240	106.45	-	-	91.59	31.34	12.43	28.91	112	358	A	H
		5362.56	53.13	-20.87	74	38.33	31.25	12.54	28.99	112	358	P	H
		5442.92	43.1	-10.9	54	27.91	31.57	12.66	29.04	112	358	A	H
		5145.34	53.97	-20.03	74	38.79	31.71	12.32	28.85	340	309	P	V
		5099.32	43.07	-10.93	54	27.84	31.8	12.25	28.82	340	309	A	V
	*	5240	108.91	-	-	94.05	31.34	12.43	28.91	340	309	P	V
	*	5240	101.62	-	-	86.76	31.34	12.43	28.91	340	309	A	V
		5453.28	53.11	-20.89	74	37.87	31.61	12.68	29.05	340	309	P	V
		5455.52	42.57	-11.43	54	27.32	31.61	12.69	29.05	340	309	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 4+3	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)
802.11a CH 36 5180MHz		10360	46.38	-21.82	68.2	46.86	39.64	19.17	59.29	100	0	P	H
		15540	45.1	-28.9	74	42.73	37.94	24.38	59.95	100	0	P	H
		10360	46.56	-21.64	68.2	47.04	39.64	19.17	59.29	100	0	P	V
		15540	44.74	-29.26	74	42.37	37.94	24.38	59.95	100	0	P	V
802.11a CH 44 5220MHz		10440	46.62	-21.58	68.2	46.78	39.88	19.29	59.33	100	0	P	H
		15660	42.89	-31.11	74	40.93	37.46	24.38	59.88	100	0	P	H
		10440	48.05	-20.15	68.2	48.21	39.88	19.29	59.33	100	0	P	V
		15660	42.83	-31.17	74	40.87	37.46	24.38	59.88	100	0	P	V
802.11a CH 48 5240MHz		10480	47.54	-20.66	68.2	47.58	39.96	19.35	59.35	100	0	P	H
		15720	44.38	-29.62	74	42.55	37.3	24.37	59.84	100	0	P	H
		10480	48.59	-19.61	68.2	48.63	39.96	19.35	59.35	100	0	P	V
		15720	44.37	-29.63	74	42.54	37.3	24.37	59.84	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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 36 5180MHz		5150	62.81	-11.19	74	47.64	31.7	12.32	28.85	100	334	P	H
		5150	51.74	-2.26	54	36.57	31.7	12.32	28.85	100	334	P	H
	*	5180	109.38	-	-	94.31	31.58	12.36	28.87	100	334	P	H
	*	5180	101.14	-	-	86.07	31.58	12.36	28.87	100	334	A	H
		5149.76	55.87	-18.13	74	40.7	31.7	12.32	28.85	100	107	P	V
		5150	46.57	-7.43	54	31.4	31.7	12.32	28.85	100	107	A	V
	*	5180	104.2	-	-	89.13	31.58	12.36	28.87	100	107	P	V
	*	5180	96.55	-	-	81.48	31.58	12.36	28.87	100	107	A	V
802.11n HT20 CH 44 5220MHz		5101.4	53.79	-20.21	74	38.55	31.8	12.26	28.82	100	358	P	H
		5144.3	43.45	-10.55	54	28.28	31.71	12.31	28.85	100	358	A	H
	*	5220	113.15	-	-	98.22	31.42	12.41	28.9	100	358	P	H
	*	5220	105.48	-	-	90.55	31.42	12.41	28.9	100	358	A	H
		5360.6	53.33	-20.67	74	38.54	31.24	12.54	28.99	100	358	P	H
		5445.16	42.81	-11.19	54	27.6	31.58	12.67	29.04	100	358	A	H
		5075.66	53.75	-20.25	74	38.58	31.75	12.22	28.8	100	358	P	V
		5093.08	43.08	-10.92	54	27.85	31.79	12.25	28.81	100	358	A	V
	*	5220	107.33	-	-	92.4	31.42	12.41	28.9	100	358	P	V
	*	5220	99.73	-	-	84.8	31.42	12.41	28.9	100	358	A	V
		5379.92	52.91	-21.09	74	38.03	31.32	12.56	29	100	358	P	V
		5391.12	42.73	-11.27	54	27.81	31.36	12.57	29.01	100	358	A	V



802.11n HT20 CH 48 5240MHz		5103.48	54.17	-19.83	74	38.94	31.79	12.26	28.82	107	358	P	H
		5082.42	43.43	-10.57	54	28.24	31.76	12.23	28.8	107	358	A	H
	*	5240	113.95	-	-	99.09	31.34	12.43	28.91	107	358	P	H
	*	5240	105.82	-	-	90.96	31.34	12.43	28.91	107	358	A	H
		5407.08	52.82	-21.18	74	37.82	31.43	12.59	29.02	107	358	P	H
		5448.8	42.81	-11.19	54	27.59	31.6	12.67	29.05	107	358	A	H
		5093.6	53.58	-20.42	74	38.35	31.79	12.25	28.81	100	357	P	V
		5086.32	43.1	-10.9	54	27.9	31.77	12.24	28.81	100	357	A	V
	*	5240	108.15	-	-	93.29	31.34	12.43	28.91	100	357	P	V
	*	5240	100.68	-	-	85.82	31.34	12.43	28.91	100	357	A	V
		5455.24	53.3	-20.7	74	38.06	31.61	12.68	29.05	100	357	P	V
		5438.72	42.65	-11.35	54	27.49	31.55	12.65	29.04	100	357	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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 36 5180MHz		10360	46.38	-21.82	68.2	46.86	39.64	19.17	59.29	100	0	P	H
		15540	44.6	-29.4	74	42.23	37.94	24.38	59.95	100	0	P	H
		10360	45.77	-22.43	68.2	46.25	39.64	19.17	59.29	100	0	P	V
		15540	44.42	-29.58	74	42.05	37.94	24.38	59.95	100	0	P	V
802.11n HT20 CH 44 5220MHz		10440	45.8	-22.4	68.2	45.96	39.88	19.29	59.33	100	0	P	H
		15660	43.36	-30.64	74	41.4	37.46	24.38	59.88	100	0	P	H
		10440	47.98	-20.22	68.2	48.14	39.88	19.29	59.33	100	0	P	V
		15660	43.8	-30.2	74	41.84	37.46	24.38	59.88	100	0	P	V
802.11n HT20 CH 48 5240MHz		10480	46.82	-21.38	68.2	46.86	39.96	19.35	59.35	100	0	P	H
		15720	44.33	-29.67	74	42.5	37.3	24.37	59.84	100	0	P	H
		10480	47.77	-20.43	68.2	47.81	39.96	19.35	59.35	100	0	P	V
		15720	42.96	-31.04	74	41.13	37.3	24.37	59.84	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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 HT40 CH 38 5190MHz		5148.2	61.64	-12.36	74	46.47	31.7	12.32	28.85	109	334	P	H
		5150	51.9	-2.1	54	36.73	31.7	12.32	28.85	109	334	A	H
	*	5190	103.29	-	-	88.25	31.54	12.38	28.88	109	334	P	H
	*	5190	95.96	-	-	80.92	31.54	12.38	28.88	109	334	A	H
		5388.88	52.63	-21.37	74	37.71	31.36	12.57	29.01	109	334	P	H
		5407.36	43.49	-10.51	54	28.49	31.43	12.59	29.02	109	334	P	H
		5111.54	53.31	-20.69	74	38.08	31.78	12.27	28.82	100	357	P	V
		5145.08	44.44	-9.56	54	29.26	31.71	12.32	28.85	100	357	A	V
	*	5190	96.88	-	-	81.84	31.54	12.38	28.88	100	357	P	V
	*	5190	89.45	-	-	74.41	31.54	12.38	28.88	100	357	A	V
		5423.88	53.04	-20.96	74	37.94	31.5	12.63	29.03	100	357	P	V
		5431.44	44.01	-9.99	54	28.87	31.53	12.64	29.03	100	357	A	V
802.11n HT40 CH 46 5230MHz		5149.5	54.64	-19.36	74	39.47	31.7	12.32	28.85	100	334	P	H
		5146.64	45.07	-8.93	54	29.89	31.71	12.32	28.85	100	334	A	H
	*	5230	106.98	-	-	92.08	31.38	12.42	28.9	100	334	P	H
	*	5230	99.71	-	-	84.81	31.38	12.42	28.9	100	334	A	H
		5384.96	53.4	-20.6	74	38.49	31.34	12.57	29	100	334	P	H
		5457.2	43.88	-10.12	54	28.63	31.61	12.69	29.05	100	334	A	H
		5144.3	53.84	-20.16	74	38.67	31.71	12.31	28.85	365	7	P	V
		5140.4	44.31	-9.69	54	29.12	31.72	12.31	28.84	365	7	A	V
	*	5230	101.61	-	-	86.71	31.38	12.42	28.9	365	7	P	V
	*	5230	94	-	-	79.1	31.38	12.42	28.9	365	7	A	V
		5389.16	53.65	-20.35	74	38.73	31.36	12.57	29.01	365	7	P	V
		5398.12	43.64	-10.36	54	28.68	31.39	12.58	29.01	365	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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 HT40 CH 38 5190MHz		10380	44.72	-23.48	68.2	45.1	39.72	18.74	59.3	100	0	P	H
		15570	42.95	-31.05	74	40.69	37.82	23.82	59.94	100	0	P	H
		10380	45.33	-22.87	68.2	45.71	39.72	18.74	59.3	100	0	P	V
		15570	42.93	-31.07	74	40.67	37.82	23.82	59.94	100	0	P	V
802.11n HT40 CH 46 5230MHz		10460	46.09	-22.11	68.2	46.19	39.92	19.32	59.34	100	0	P	H
		15690	43.51	-30.49	74	41.66	37.34	24.37	59.86	100	0	P	H
		10460	46.54	-21.66	68.2	46.64	39.92	19.32	59.34	100	0	P	V
		15690	42.99	-31.01	74	41.14	37.34	24.37	59.86	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11ac VHT80 CH 42 5210MHz		5148.2	58.56	-15.44	74	43.39	31.7	12.32	28.85	100	335	P	H
		5150	51.64	-2.36	54	36.47	31.7	12.32	28.85	100	335	A	H
	*	5210	98.69	-	-	83.72	31.46	12.4	28.89	100	335	P	H
	*	5210	91.12	-	-	76.15	31.46	12.4	28.89	100	335	A	H
		5359.2	53.11	-20.89	74	38.32	31.24	12.54	28.99	100	335	P	H
		5426.4	43.93	-10.07	54	28.82	31.51	12.63	29.03	100	335	A	H
		5144.56	54.69	-19.31	74	39.51	31.71	12.32	28.85	101	7	P	V
		5139.36	46.44	-7.56	54	31.25	31.72	12.31	28.84	101	7	A	V
	*	5210	93.73	-	-	78.76	31.46	12.4	28.89	101	7	P	V
	*	5210	86.08	-	-	71.11	31.46	12.4	28.89	101	7	A	V
		5375.16	54.66	-19.34	74	39.8	31.3	12.56	29	101	7	P	V
		5445.72	43.83	-10.17	54	28.62	31.58	12.67	29.04	101	7	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 4+3	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)
802.11ac		10420	44.43	-23.77	68.2	44.65	39.84	18.8	59.32	100	0	P	H
VHT80		15630	43.25	-30.75	74	41.2	37.58	23.83	59.9	100	0	P	H
CH 42		10420	45.26	-22.94	68.2	45.48	39.84	18.8	59.32	100	0	P	V
5210MHz		15630	43.76	-30.24	74	41.71	37.58	23.83	59.9	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 - 5250~5350MHz

WIFI 802.11a (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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5132.6	53	-21	74	37.81	31.73	12.3	28.84	100	298	P	H
		5089.42	43.08	-10.92	54	27.87	31.78	12.24	28.81	100	298	A	H
	*	5260	111.83	-	-	97	31.3	12.45	28.92	100	298	P	H
	*	5260	104.41	-	-	89.58	31.3	12.45	28.92	100	298	A	H
		5444.4	53.38	-20.62	74	38.18	31.58	12.66	29.04	100	298	P	H
		5436	42.67	-11.33	54	27.52	31.54	12.65	29.04	100	298	A	H
		5114.92	53.36	-20.64	74	38.14	31.77	12.28	28.83	400	305	P	V
		5083.3	43.02	-10.98	54	27.82	31.77	12.23	28.8	400	305	A	V
	*	5260	107.95	-	-	93.12	31.3	12.45	28.92	400	305	P	V
	*	5260	100.57	-	-	85.74	31.3	12.45	28.92	400	305	A	V
		5445.6	53.6	-20.4	74	38.39	31.58	12.67	29.04	400	305	P	V
		5442.96	42.72	-11.28	54	27.53	31.57	12.66	29.04	400	305	A	V
802.11a CH 60 5300MHz		5135.66	54.02	-19.98	74	38.83	31.73	12.3	28.84	100	327	P	H
		5147.22	43.03	-10.97	54	27.85	31.71	12.32	28.85	100	327	A	H
	*	5300	112.96	-	-	98.12	31.3	12.49	28.95	100	327	P	H
	*	5300	104.91	-	-	90.07	31.3	12.49	28.95	100	327	A	H
		5359.68	54.1	-19.9	74	39.31	31.24	12.54	28.99	100	327	P	H
		5351.52	44.56	-9.44	54	29.8	31.21	12.53	28.98	100	327	A	H
		5090.1	52.9	-21.1	74	37.69	31.78	12.24	28.81	394	303	P	V
		5086.7	43.1	-10.9	54	27.9	31.77	12.24	28.81	394	303	A	V
	*	5300	109.88	-	-	95.04	31.3	12.49	28.95	394	303	P	V
	*	5300	102.51	-	-	87.67	31.3	12.49	28.95	394	303	A	V
		5381.28	52.9	-21.1	74	38.01	31.33	12.56	29	394	303	P	V
		5353.2	43.18	-10.82	54	28.41	31.21	12.54	28.98	394	303	A	V



802.11a CH 64 5320MHz	*	5320	112.41	-	-	97.61	31.26	12.5	28.96	105	322	P	H
	*	5320	104.49	-	-	89.69	31.26	12.5	28.96	105	322	A	H
		5351.04	61.48	-12.52	74	46.73	31.2	12.53	28.98	105	322	P	H
		5350.4	51.72	-2.28	54	36.97	31.2	12.53	28.98	105	322	A	H
	*	5320	109.21	-	-	94.41	31.26	12.5	28.96	393	303	P	V
	*	5320	101.9	-	-	87.1	31.26	12.5	28.96	393	303	A	V
		5352.16	58.38	-15.62	74	43.62	31.21	12.53	28.98	393	303	P	V
		5352.16	47	-7	54	32.24	31.21	12.53	28.98	393	303	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 4+3	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)
802.11a CH 52 5260MHz		10520	45.69	-22.51	68.2	45.67	40	19.42	59.4	100	0	P	H
		15780	43.55	-30.45	74	41.68	37.3	24.37	59.8	100	0	P	H
		10520	47.87	-20.33	68.2	47.85	40	19.42	59.4	100	0	P	V
		15780	42.91	-31.09	74	41.04	37.3	24.37	59.8	100	0	P	V
802.11a CH 60 5300MHz		10600	46.23	-27.77	74	46.27	40	19.54	59.58	100	0	P	H
		15900	42.69	-31.31	74	40.95	37.1	24.36	59.72	100	0	P	H
		10600	47.14	-26.86	74	47.18	40	19.54	59.58	100	0	P	V
		15900	42.02	-31.98	74	40.28	37.1	24.36	59.72	100	0	P	V
802.11a CH 64 5320MHz		10640	46.16	-27.84	74	46.23	40	19.6	59.67	100	0	P	H
		15960	42.97	-31.03	74	41.26	37.04	24.36	59.69	100	0	P	H
		10640	46.01	-27.99	74	46.08	40	19.6	59.67	100	0	P	V
		15960	43.07	-30.93	74	41.36	37.04	24.36	59.69	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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 52 5260MHz		5129.54	53.53	-20.47	74	38.34	31.74	12.29	28.84	100	297	P	H
		5098.94	43.22	-10.78	54	27.99	31.8	12.25	28.82	100	297	A	H
	*	5260	111.74	-	-	96.91	31.3	12.45	28.92	100	297	P	H
	*	5260	104.1	-	-	89.27	31.3	12.45	28.92	100	297	A	H
		5444.88	52.7	-21.3	74	37.49	31.58	12.67	29.04	100	297	P	H
		5445.84	42.76	-11.24	54	27.55	31.58	12.67	29.04	100	297	A	H
		5134.64	52.73	-21.27	74	37.54	31.73	12.3	28.84	400	303	P	V
		5097.58	43.16	-10.84	54	27.92	31.8	12.25	28.81	400	303	A	V
	*	5260	108.03	-	-	93.2	31.3	12.45	28.92	400	303	P	V
	*	5260	100.55	-	-	85.72	31.3	12.45	28.92	400	303	A	V
		5401.2	53.57	-20.43	74	38.6	31.4	12.58	29.01	400	303	P	V
		5458.8	43.12	-10.88	54	27.86	31.62	12.69	29.05	400	303	A	V
802.11n HT20 CH 60 5300MHz		5086.36	53.12	-20.88	74	37.92	31.77	12.24	28.81	115	355	P	H
		5133.96	43.22	-10.78	54	28.03	31.73	12.3	28.84	115	355	A	H
	*	5300	111.43	-	-	96.59	31.3	12.49	28.95	115	355	P	H
	*	5300	103.71	-	-	88.87	31.3	12.49	28.95	115	355	A	H
		5359.44	52.92	-21.08	74	38.13	31.24	12.54	28.99	115	355	P	H
		5352.96	44.32	-9.68	54	29.55	31.21	12.54	28.98	115	355	A	H
		5126.82	53.64	-20.36	74	38.43	31.75	12.29	28.83	396	304	P	V
		5085.34	43.26	-10.74	54	28.06	31.77	12.24	28.81	396	304	A	V
	*	5300	108.43	-	-	93.59	31.3	12.49	28.95	396	304	P	V
	*	5300	100.99	-	-	86.15	31.3	12.49	28.95	396	304	A	V
		5422.32	53.14	-20.86	74	38.06	31.49	12.62	29.03	396	304	P	V
		5450.16	42.82	-11.18	54	27.59	31.6	12.68	29.05	396	304	A	V



802.11n HT20 CH 64 5320MHz	*	5320	110.02	-	-	95.22	31.26	12.5	28.96	100	322	P	H
	*	5320	102.63	-	-	87.83	31.26	12.5	28.96	100	322	A	H
		5350.08	62.06	-11.94	74	47.31	31.2	12.53	28.98	100	322	P	H
		5350.08	52.48	-1.52	54	37.73	31.2	12.53	28.98	100	322	A	H
	*	5320	107.69	-	-	92.89	31.26	12.5	28.96	400	317	P	V
	*	5320	99.45	-	-	84.65	31.26	12.5	28.96	400	317	A	V
		5350.08	58.45	-15.55	74	43.7	31.2	12.53	28.98	400	317	P	V
		5350.08	46.67	-7.33	54	31.92	31.2	12.53	28.98	400	317	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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 52 5260MHz		10520	46.4	-21.8	68.2	46.38	40	19.42	59.4	100	0	P	H
		15780	42.72	-31.28	74	40.85	37.3	24.37	59.8	100	0	P	H
		10520	46.7	-21.5	68.2	46.68	40	19.42	59.4	100	0	P	V
		15780	42.83	-31.17	74	40.96	37.3	24.37	59.8	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	46.28	-27.72	74	46.32	40	19.54	59.58	100	0	P	H
		15900	42.33	-31.67	74	40.59	37.1	24.36	59.72	100	0	P	H
		10600	48.97	-25.03	74	49.01	40	19.54	59.58	100	0	P	V
		15900	42.29	-31.71	74	40.55	37.1	24.36	59.72	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	46.66	-27.34	74	46.73	40	19.6	59.67	100	0	P	H
		15960	42.19	-31.81	74	40.48	37.04	24.36	59.69	100	0	P	H
		10640	45.92	-28.08	74	45.99	40	19.6	59.67	100	0	P	V
		15960	43.2	-30.8	74	41.49	37.04	24.36	59.69	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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 HT40 CH 54 5270MHz		5111.18	53.48	-20.52	74	38.25	31.78	12.27	28.82	108	359	P	H
		5086.36	44.32	-9.68	54	29.12	31.77	12.24	28.81	108	359	A	H
	*	5270	107.14	-	-	92.31	31.3	12.46	28.93	108	359	P	H
	*	5270	99.62	-	-	84.79	31.3	12.46	28.93	108	359	A	H
		5369.04	54.95	-19.05	74	40.11	31.28	12.55	28.99	108	359	P	H
		5351.28	45.72	-8.28	54	30.96	31.21	12.53	28.98	108	359	A	H
		5028.22	53.14	-20.86	74	38.14	31.61	12.16	28.77	382	315	P	V
		5083.64	44.36	-9.64	54	29.17	31.77	12.23	28.81	382	315	A	V
	*	5270	103.58	-	-	88.75	31.3	12.46	28.93	382	315	P	V
	*	5270	96.13	-	-	81.3	31.3	12.46	28.93	382	315	A	V
		5361.36	53.63	-20.37	74	38.83	31.25	12.54	28.99	382	315	P	V
		5434.32	44.18	-9.82	54	29.03	31.54	12.65	29.04	382	315	A	V
802.11n HT40 CH 62 5310MHz		5124.44	54.21	-19.79	74	39	31.75	12.29	28.83	110	328	P	H
		5097.92	44.18	-9.82	54	28.94	31.8	12.25	28.81	110	328	A	H
	*	5310	104.72	-	-	89.9	31.28	12.49	28.95	110	328	P	H
	*	5310	97.24	-	-	82.42	31.28	12.49	28.95	110	328	A	H
		5354.16	62.34	-11.66	74	47.56	31.22	12.54	28.98	110	328	P	H
		5353.68	52.13	-1.87	54	37.36	31.21	12.54	28.98	110	328	A	H
		5141.44	54.21	-19.79	74	39.02	31.72	12.31	28.84	396	303	P	V
		5090.1	44.48	-9.52	54	29.27	31.78	12.24	28.81	396	303	A	V
	*	5310	102.91	-	-	88.09	31.28	12.49	28.95	396	303	P	V
	*	5310	95.56	-	-	80.74	31.28	12.49	28.95	396	303	A	V
		5351.04	55.73	-18.27	74	40.98	31.2	12.53	28.98	396	303	P	V
		5350.32	47.69	-6.31	54	32.94	31.2	12.53	28.98	396	303	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI Ant. 4+3	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 HT40 CH 54 5270MHz		10540	45.42	-22.78	68.2	45.42	40	19.45	59.45	100	0	P	H
		15810	42.6	-31.4	74	40.73	37.28	24.37	59.78	100	0	P	H
		10540	44.8	-23.4	68.2	44.8	40	19.45	59.45	100	0	P	V
		15810	43.38	-30.62	74	41.51	37.28	24.37	59.78	100	0	P	V
802.11n HT40 CH 62 5310MHz		10620	44.88	-29.12	74	44.94	40	19.57	59.63	100	0	P	H
		15930	43.06	-30.94	74	41.32	37.07	24.37	59.7	100	0	P	H
		10620	45.04	-28.96	74	45.1	40	19.57	59.63	100	0	P	V
		15930	43.31	-30.69	74	41.57	37.07	24.37	59.7	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11ac VHT80 CH 58 5290MHz		5039.1	54.5	-19.5	74	39.45	31.66	12.17	28.78	122	3	P	H
		5147.9	44.79	-9.21	54	29.62	31.7	12.32	28.85	122	3	A	H
	*	5290	101.56	-	-	86.72	31.3	12.48	28.94	122	3	P	H
	*	5290	94.24	-	-	79.4	31.3	12.48	28.94	122	3	A	H
		5356.32	60.25	-13.75	74	45.47	31.23	12.54	28.99	122	3	P	H
		5352.72	52.27	-1.73	54	37.5	31.21	12.54	28.98	122	3	A	H
		5080.92	53.67	-20.33	74	38.48	31.76	12.23	28.8	398	304	P	V
		5124.78	44.21	-9.79	54	29	31.75	12.29	28.83	398	304	A	V
	*	5290	97.28	-	-	82.44	31.3	12.48	28.94	398	304	P	V
	*	5290	89.74	-	-	74.9	31.3	12.48	28.94	398	304	A	V
		5355.12	56.17	-17.83	74	41.39	31.22	12.54	28.98	398	304	P	V
		5350.56	44.92	-9.08	54	30.17	31.2	12.53	28.98	398	304	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 2 5250~5350MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI Ant. 4+3	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)
802.11ac		10580	45.21	-22.99	68.2	45.24	40	19.51	59.54	100	0	P	H
VHT80		15870	42.16	-31.84	74	40.37	37.16	24.37	59.74	100	0	P	H
CH 58		10580	44.82	-23.38	68.2	44.85	40	19.51	59.54	100	0	P	V
5290MHz		15870	42.57	-31.43	74	40.78	37.16	24.37	59.74	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5459.6	57.44	-16.56	74	42.18	31.62	12.69	29.05	101	357	P	H
		5469.52	63.83	-4.37	68.2	48.54	31.64	12.71	29.06	101	357	P	H
		5460	46.89	-7.11	54	31.63	31.62	12.69	29.05	101	357	A	H
	*	5500	112.47	-	-	97.08	31.7	12.77	29.08	101	357	P	H
	*	5500	104.57	-	-	89.18	31.7	12.77	29.08	101	357	A	H
		5454.32	53.36	-20.64	74	38.12	31.61	12.68	29.05	101	233	P	V
		5468.88	59.02	-9.18	68.2	43.73	31.64	12.71	29.06	101	233	P	V
		5460	43.15	-10.85	54	27.89	31.62	12.69	29.05	101	233	A	V
	*	5500	108.62	-	-	93.23	31.7	12.77	29.08	101	233	P	V
	*	5500	100.84	-	-	85.45	31.7	12.77	29.08	101	233	A	V
802.11a CH 116 5580MHz		5374.96	53.92	-20.08	74	39.06	31.3	12.56	29	100	322	P	H
		5460.64	52.79	-15.41	68.2	37.52	31.62	12.7	29.05	100	322	P	H
		5454.4	41.72	-12.28	54	26.48	31.61	12.68	29.05	100	322	A	H
	*	5580	110.28	-	-	94.68	31.74	12.92	29.06	100	322	P	H
	*	5580	103.57	-	-	87.97	31.74	12.92	29.06	100	322	A	H
		5727.515	52.36	-15.84	68.2	36.32	31.91	13.16	29.03	100	322	P	H
		5407.6	52.96	-21.04	74	37.96	31.43	12.59	29.02	100	236	P	V
		5469.28	51.95	-16.25	68.2	36.66	31.64	12.71	29.06	100	236	P	V
		5452.48	41.29	-12.71	54	26.06	31.6	12.68	29.05	100	236	A	V
	*	5580	108.95	-	-	93.35	31.74	12.92	29.06	100	236	P	V
	*	5580	102.54	-	-	86.94	31.74	12.92	29.06	100	236	A	V
		5729.09	52.44	-15.76	68.2	36.38	31.92	13.17	29.03	100	236	P	V



802.11a CH 140 5700MHz	*	5700	112.34	-	-	96.45	31.8	13.12	29.03	100	15	P	H
	*	5700	104.85	-	-	88.96	31.8	13.12	29.03	100	15	A	H
		5725.08	62.25	-5.95	68.2	46.22	31.9	13.16	29.03	100	15	P	H
	*	5700	108.52	-	-	92.63	31.8	13.12	29.03	100	229	P	V
	*	5700	101.87	-	-	85.98	31.8	13.12	29.03	100	229	A	V
		5728.04	56.68	-11.52	68.2	40.64	31.91	13.16	29.03	100	229	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Band 3 - 5470~5725MHz****WIFI 802.11a (Harmonic @ 3m)**

WIFI Ant. 4+3	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)
802.11a CH 100 5500MHz		11000	47.73	-26.27	74	47.68	40.4	20.13	60.48	100	0	P	H
		16500	45.83	-22.37	68.2	40.75	38.8	25.22	58.94	100	0	P	H
		11000	48.06	-25.94	74	48.01	40.4	20.13	60.48	100	0	P	V
		16500	45.14	-23.06	68.2	40.06	38.8	25.22	58.94	100	0	P	V
802.11a CH 116 5580MHz		11160	46.75	-27.25	74	47.04	39.98	20.3	60.57	100	0	P	H
		16740	47.48	-20.72	68.2	40.43	39.8	25.63	58.38	100	0	P	H
		11160	48.79	-25.21	74	49.08	39.98	20.3	60.57	100	0	P	V
		16740	46.95	-21.25	68.2	39.9	39.8	25.63	58.38	100	0	P	V
802.11a CH 140 5700MHz		11400	48.18	-25.82	74	48.21	40.1	20.57	60.7	100	0	P	H
		17100	47.73	-20.47	68.2	38.59	40.3	26.25	57.41	100	0	P	H
		11400	47.97	-26.03	74	48	40.1	20.57	60.7	100	0	P	V
		17100	47.58	-20.62	68.2	38.44	40.3	26.25	57.41	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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 100 5500MHz		5459.6	57	-17	74	41.74	31.62	12.69	29.05	101	356	P	H
		5467.12	62.89	-5.31	68.2	47.61	31.63	12.71	29.06	101	356	P	H
		5460	46.78	-7.22	54	31.52	31.62	12.69	29.05	101	356	A	H
	*	5500	112	-	-	96.61	31.7	12.77	29.08	101	356	P	H
	*	5500	104.1	-	-	88.71	31.7	12.77	29.08	101	356	A	H
		5406.48	52.89	-21.11	74	37.89	31.43	12.59	29.02	101	233	P	V
		5469.84	54.08	-14.12	68.2	38.79	31.64	12.71	29.06	101	233	P	V
		5459.28	43.27	-10.73	54	28.01	31.62	12.69	29.05	101	233	A	V
	*	5500	107.15	-	-	91.76	31.7	12.77	29.08	101	233	P	V
	*	5500	100.19	-	-	84.8	31.7	12.77	29.08	101	233	A	V
802.11n HT20 CH 116 5580MHz		5430.4	52.76	-21.24	74	37.63	31.52	12.64	29.03	101	323	P	H
		5470	52.02	-16.18	68.2	36.73	31.64	12.71	29.06	101	323	P	H
		5452.24	41.96	-12.04	54	26.73	31.6	12.68	29.05	101	323	A	H
	*	5580	110.29	-	-	94.69	31.74	12.92	29.06	101	323	P	H
	*	5580	102.53	-	-	86.93	31.74	12.92	29.06	101	323	A	H
		5764.685	53.14	-15.06	68.2	36.91	32.03	13.22	29.02	101	323	P	H
		5453.92	52.6	-21.4	74	37.36	31.61	12.68	29.05	108	226	P	V
		5464.72	51.7	-16.5	68.2	36.43	31.63	12.7	29.06	108	226	P	V
		5451.76	41.32	-12.68	54	26.09	31.6	12.68	29.05	108	226	A	V
	*	5580	107.74	-	-	92.14	31.74	12.92	29.06	108	226	P	V
	*	5580	100.81	-	-	85.21	31.74	12.92	29.06	108	226	A	V
		5734.13	53.22	-14.98	68.2	37.13	31.94	13.17	29.02	108	226	P	V



802.11n HT20 CH 140 5700MHz	*	5700	110.26	-	-	94.37	31.8	13.12	29.03	100	12	P	H
	*	5700	102.36	-	-	86.47	31.8	13.12	29.03	100	12	A	H
		5725	66.61	-1.59	68.2	50.58	31.9	13.16	29.03	100	12	P	H
	*	5700	109.15	-	-	93.26	31.8	13.12	29.03	100	252	P	V
	*	5700	102	-	-	86.11	31.8	13.12	29.03	100	252	A	V
		5725	60.47	-7.73	68.2	44.44	31.9	13.16	29.03	100	252	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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 100 5500MHz		11000	46.5	-27.5	74	46.45	40.4	20.13	60.48	100	0	P	H
		16500	45.26	-22.94	68.2	40.18	38.8	25.22	58.94	100	0	P	H
		11000	47.24	-26.76	74	47.19	40.4	20.13	60.48	100	0	P	V
		16500	45.64	-22.56	68.2	40.56	38.8	25.22	58.94	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	46.24	-27.76	74	46.53	39.98	20.3	60.57	100	0	P	H
		16740	47.14	-21.06	68.2	40.09	39.8	25.63	58.38	100	0	P	H
		11160	48.76	-25.24	74	49.05	39.98	20.3	60.57	100	0	P	V
		16740	46.84	-21.36	68.2	39.79	39.8	25.63	58.38	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	47.51	-26.49	74	47.54	40.1	20.57	60.7	100	0	P	H
		17100	47.71	-20.49	68.2	38.57	40.3	26.25	57.41	100	0	P	H
		11400	48.74	-25.26	74	48.77	40.1	20.57	60.7	100	0	P	V
		17100	47.8	-20.4	68.2	38.66	40.3	26.25	57.41	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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 HT40 CH 102 5510MHz		5459.92	58.86	-15.14	74	43.6	31.62	12.69	29.05	101	327	P	H
		5470	66.11	-2.09	68.2	50.82	31.64	12.71	29.06	101	327	P	H
		5459.92	49.39	-4.61	54	34.13	31.62	12.69	29.05	101	327	A	H
	*	5510	104.76	-	-	89.33	31.72	12.79	29.08	101	327	P	H
	*	5510	97.18	-	-	81.75	31.72	12.79	29.08	101	327	A	H
		5743.265	55.57	-12.63	68.2	39.43	31.97	13.19	29.02	101	327	P	H
		5459.92	56.85	-17.15	74	41.59	31.62	12.69	29.05	100	122	P	V
		5468.8	63.36	-4.84	68.2	48.07	31.64	12.71	29.06	100	122	P	V
		5459.92	46.65	-7.35	54	31.39	31.62	12.69	29.05	100	122	A	V
	*	5510	103.73	-	-	88.3	31.72	12.79	29.08	100	122	P	V
	*	5510	96.16	-	-	80.73	31.72	12.79	29.08	100	122	A	V
		5761.22	54.51	-13.69	68.2	38.29	32.02	13.22	29.02	100	122	P	V
802.11n HT40 CH 110 5550MHz		5442.16	54.68	-19.32	74	39.49	31.57	12.66	29.04	100	320	P	H
		5461.84	54.69	-13.51	68.2	39.42	31.62	12.7	29.05	100	320	P	H
		5459.92	45.39	-8.61	54	30.13	31.62	12.69	29.05	100	320	A	H
	*	5550	108.19	-	-	92.6	31.8	12.86	29.07	100	320	P	H
	*	5550	99.71	-	-	84.12	31.8	12.86	29.07	100	320	A	H
		5743.265	53.75	-14.45	68.2	37.61	31.97	13.19	29.02	100	320	P	H
		5421.28	55.14	-18.86	74	40.06	31.49	12.62	29.03	100	234	P	V
		5460.4	53.36	-14.84	68.2	38.1	31.62	12.69	29.05	100	234	P	V
		5442.16	44.16	-9.84	54	28.97	31.57	12.66	29.04	100	234	A	V
	*	5550	104.59	-	-	89	31.8	12.86	29.07	100	234	P	V
	*	5550	97.38	-	-	81.79	31.8	12.86	29.07	100	234	A	V
		5752.085	53.54	-14.66	68.2	37.36	32	13.2	29.02	100	234	P	V



802.11n HT40 CH 134 5670MHz		5452.55	53.44	-20.56	74	38.2	31.61	12.68	29.05	101	323	P	H
		5469.7	53.35	-14.85	68.2	38.06	31.64	12.71	29.06	101	323	P	H
		5450.45	44.2	-9.8	54	28.97	31.6	12.68	29.05	101	323	A	H
	*	5670	106.91	-	-	91.14	31.74	13.07	29.04	101	323	P	H
	*	5670	99.46	-	-	83.69	31.74	13.07	29.04	101	323	A	H
		5761.325	56.46	-11.74	68.2	40.24	32.02	13.22	29.02	101	323	P	H
		5420	53.16	-20.84	74	38.09	31.48	12.62	29.03	100	235	P	V
		5464.45	53.06	-15.14	68.2	37.79	31.63	12.7	29.06	100	235	P	V
		5416.5	43.92	-10.08	54	28.86	31.47	12.61	29.02	100	235	A	V
	*	5670	106	-	-	90.23	31.74	13.07	29.04	100	235	P	V
	*	5670	98.52	-	-	82.75	31.74	13.07	29.04	100	235	A	V
		5753.8	55.65	-12.55	68.2	39.45	32.01	13.21	29.02	100	235	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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		11020	45.75	-28.25	74	45.75	40.34	20.15	60.49	100	0	P	H
HT40		16530	45.14	-23.06	68.2	39.79	38.95	25.27	58.87	100	0	P	H
CH 102		11020	46.31	-27.69	74	46.31	40.34	20.15	60.49	100	0	P	V
5510MHz		16530	44.83	-23.37	68.2	39.48	38.95	25.27	58.87	100	0	P	V
802.11n		11100	46.39	-27.61	74	46.59	40.1	20.24	60.54	100	0	P	H
HT40		16650	47.26	-20.94	68.2	40.93	39.45	25.47	58.59	100	0	P	H
CH 110		11100	46.24	-27.76	74	46.44	40.1	20.24	60.54	100	0	P	V
5550MHz		16650	46.52	-21.68	68.2	40.19	39.45	25.47	58.59	100	0	P	V
802.11n		11340	46.87	-27.13	74	47.12	39.92	20.5	60.67	100	0	P	H
HT40		17010	47.68	-20.52	68.2	38.74	40.57	26.1	57.73	100	0	P	H
CH 134		11340	46	-28	74	46.25	39.92	20.5	60.67	100	0	P	V
5670MHz		17010	48.51	-19.69	68.2	39.57	40.57	26.1	57.73	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11ac VHT80 CH 106 5530MHz		5456.32	59.58	-14.42	74	44.33	31.61	12.69	29.05	100	322	P	H
		5469.76	60.09	-8.11	68.2	44.8	31.64	12.71	29.06	100	322	P	H
		5457.28	51.62	-2.38	54	36.37	31.61	12.69	29.05	100	322	P	H
	*	5530	99.84	-	-	84.32	31.76	12.83	29.07	100	322	P	H
	*	5530	92.11	-	-	76.59	31.76	12.83	29.07	100	322	A	H
		5752.085	53.85	-14.35	68.2	37.67	32	13.2	29.02	100	322	P	H
		5459.68	55.84	-18.16	74	40.58	31.62	12.69	29.05	100	232	P	V
		5460	55.13	-13.07	68.2	39.87	31.62	12.69	29.05	100	232	P	V
		5458.48	47.9	-6.1	54	32.64	31.62	12.69	29.05	100	232	A	V
	*	5530	97.11	-	-	81.59	31.76	12.83	29.07	100	232	P	V
	*	5530	89.49	-	-	73.97	31.76	12.83	29.07	100	232	A	V
		5725	53.79	-14.41	68.2	37.76	31.9	13.16	29.03	100	232	P	V
802.11ac VHT80 CH 122 5610MHz		5453.25	53.57	-20.43	74	38.33	31.61	12.68	29.05	100	322	P	H
		5470	55.29	-12.91	68.2	40	31.64	12.71	29.06	100	322	P	H
		5458.15	45.26	-8.74	54	30	31.62	12.69	29.05	100	322	A	H
	*	5610	104.59	-	-	88.96	31.7	12.98	29.05	100	322	P	H
	*	5610	96.86	-	-	81.23	31.7	12.98	29.05	100	322	A	H
		5729.65	56.02	-12.18	68.2	39.95	31.92	13.17	29.02	100	322	P	H
		5441	52.75	-21.25	74	37.57	31.56	12.66	29.04	109	235	P	V
		5465.15	52.05	-16.15	68.2	36.78	31.63	12.7	29.06	109	235	P	V
		5452.55	43.83	-10.17	54	28.59	31.61	12.68	29.05	109	235	A	V
	*	5610	103.45	-	-	87.82	31.7	12.98	29.05	109	235	P	V
	*	5610	96.19	-	-	80.56	31.7	12.98	29.05	109	235	A	V
		5735.95	54.72	-13.48	68.2	38.62	31.94	13.18	29.02	109	235	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11ac		11060	45.46	-28.54	74	45.55	40.22	20.2	60.51	100	0	P	H
VHT80		16590	45.99	-22.21	68.2	40.1	39.25	25.37	58.73	100	0	P	H
CH 106		11060	45.38	-28.62	74	45.47	40.22	20.2	60.51	100	0	P	V
5530MHz		16590	47.12	-21.08	68.2	41.23	39.25	25.37	58.73	100	0	P	V
802.11ac		11220	46.14	-27.86	74	46.49	39.88	20.37	60.6	100	0	P	H
VHT80		16830	47.62	-20.58	68.2	39.76	40.25	25.78	58.17	100	0	P	H
CH 122		11220	45.63	-28.37	74	45.98	39.88	20.37	60.6	100	0	P	V
5610MHz		16830	47	-21.2	68.2	39.14	40.25	25.78	58.17	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel

WIFI 802.11a (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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5429.95	52.01	-21.99	74	36.88	31.52	12.64	29.03	100	15	P	H
		5463.88	52.21	-15.99	68.2	36.94	31.63	12.7	29.06	100	15	P	H
		5457.25	41.55	-12.45	54	26.3	31.61	12.69	29.05	100	15	A	H
	*	5720	112.08	-	-	96.08	31.88	13.15	29.03	100	15	P	H
	*	5720	104.39	-	-	88.39	31.88	13.15	29.03	100	15	A	H
		5886	55.02	-13.18	68.2	38.51	32.17	13.33	28.99	100	15	P	H
		5438.14	52.28	-21.72	74	37.12	31.55	12.65	29.04	101	230	P	V
		5467.78	51.04	-17.16	68.2	35.75	31.64	12.71	29.06	101	230	P	V
		5389.39	41.5	-12.5	54	26.58	31.36	12.57	29.01	101	230	A	V
	*	5720	108.55	-	-	92.55	31.88	13.15	29.03	101	230	P	V
	*	5720	101.69	-	-	85.69	31.88	13.15	29.03	101	230	A	V
		5889.25	55.04	-13.16	68.2	38.52	32.18	13.33	28.99	101	230	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11a CH 144 5720MHz		11440	49.26	-24.74	74	49.28	40.1	20.61	60.73	100	0	P	H
		17160	48.67	-19.53	68.2	38.97	40.54	26.35	57.19	100	0	P	H
		11440	50.61	-23.39	74	50.63	40.1	20.61	60.73	100	0	P	V
		17160	46.8	-21.4	68.2	37.1	40.54	26.35	57.19	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4+3	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 144 5720MHz		5454.52	52.58	-21.42	74	37.34	31.61	12.68	29.05	100	58	P	H
		5461.54	51.98	-16.22	68.2	36.71	31.62	12.7	29.05	100	58	P	H
		5447.11	41.87	-12.13	54	26.66	31.59	12.67	29.05	100	58	A	H
	*	5722	110.86	-	-	94.84	31.89	13.16	29.03	100	58	P	H
	*	5722	103.4	-	-	87.38	31.89	13.16	29.03	100	58	A	H
		5942.5	54.75	-13.45	68.2	37.98	32.37	13.37	28.97	100	58	P	H
		5390.56	52.22	-21.78	74	37.3	31.36	12.57	29.01	101	229	P	V
		5459.98	51.29	-22.71	74	36.03	31.62	12.69	29.05	101	229	P	V
		5429.56	41.64	-12.36	54	26.51	31.52	12.64	29.03	101	229	A	V
	*	5720	108.25	-	-	92.25	31.88	13.15	29.03	101	229	P	V
	*	5720	100.68	-	-	84.68	31.88	13.15	29.03	101	229	A	V
		5944.5	54.98	-13.22	68.2	38.2	32.38	13.37	28.97	101	229	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4+3	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 144 5720MHz		11440	46.76	-27.24	74	46.78	40.1	20.61	60.73	100	0	P	H
		17160	47.86	-20.34	68.2	38.16	40.54	26.35	57.19	100	0	P	H
		11440	47.57	-26.43	74	47.59	40.1	20.61	60.73	100	0	P	V
		17160	48.43	-19.77	68.2	38.73	40.54	26.35	57.19	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4+3	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 HT40 CH 142 5710MHz		5409.28	53.81	-20.19	74	38.79	31.44	12.6	29.02	100	11	P	H
		5460	51.76	-16.44	68.2	36.5	31.62	12.69	29.05	100	11	P	H
		5429.56	43.77	-10.23	54	28.64	31.52	12.64	29.03	100	11	A	H
	*	5710	106.5	-	-	90.55	31.84	13.14	29.03	100	11	P	H
	*	5710	99.18	-	-	83.23	31.84	13.14	29.03	100	11	A	H
		5874	55	-13.2	68.2	38.52	32.15	13.32	28.99	100	11	P	H
		5410.06	53.22	-20.78	74	38.2	31.44	12.6	29.02	101	235	P	V
		5470	52.36	-15.84	68.2	37.07	31.64	12.71	29.06	101	235	P	V
		5440.09	43.57	-10.43	54	28.39	31.56	12.66	29.04	101	235	A	V
	*	5710	105.08	-	-	89.13	31.84	13.14	29.03	101	235	P	V
	*	5710	97.55	-	-	81.6	31.84	13.14	29.03	101	235	A	V
		5935.75	55.34	-12.86	68.2	38.62	32.34	13.36	28.98	101	235	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 4+3	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 HT40 CH 142 5710MHz		11420	47.01	-26.99	74	47.04	40.1	20.59	60.72	100	0	P	H
		17130	48.23	-19.97	68.2	38.81	40.42	26.3	57.3	100	0	P	H
		11420	46.95	-27.05	74	46.98	40.1	20.59	60.72	100	0	P	V
		17130	48.25	-19.95	68.2	38.83	40.42	26.3	57.3	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4+3	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)
802.11ac VHT80 CH 138 5690MHz		5361.7	53.61	-20.39	74	38.81	31.25	12.54	28.99	101	10	P	H
		5468.95	52.84	-15.36	68.2	37.55	31.64	12.71	29.06	101	10	P	H
		5433.85	43.91	-10.09	54	28.77	31.54	12.64	29.04	101	10	A	H
	*	5690	104.71	-	-	88.86	31.78	13.1	29.03	101	10	P	H
	*	5690	97.53	-	-	81.68	31.78	13.1	29.03	101	10	A	H
		5895.5	55.47	-12.73	68.2	38.93	32.19	13.34	28.99	101	10	P	H
		5416.3	54.17	-19.83	74	39.11	31.47	12.61	29.02	101	235	P	V
		5467.78	52.85	-15.35	68.2	37.56	31.64	12.71	29.06	101	235	P	V
		5459.59	43.56	-10.44	54	28.3	31.62	12.69	29.05	101	235	A	V
	*	5690	103.39	-	-	87.54	31.78	13.1	29.03	101	235	P	V
	*	5690	96.01	-	-	80.16	31.78	13.1	29.03	101	235	A	V
		5924	54.96	-13.24	68.2	38.29	32.3	13.35	28.98	101	235	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 4+3	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)
802.11ac		11380	45.09	-28.91	74	45.2	40.04	20.54	60.69	100	0	P	H
VHT80		17070	46.88	-21.32	68.2	37.81	40.39	26.2	57.52	100	0	P	H
CH 138		11380	45.77	-28.23	74	45.88	40.04	20.54	60.69	100	0	P	V
5690MHz		17070	47.2	-21	68.2	38.13	40.39	26.2	57.52	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

**Emission above 18GHz****WIFI 802.11a**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		19760	37.52	-36.48	74	42.42	37.75	11.29	53.94	150	0	P	H
		33312	44.02	-24.18	68.2	39.62	40.84	17.78	54.22	150	0	P	H
		23522	41.65	-26.55	68.2	42.19	39.73	13.03	53.3	150	0	P	V
		38724	47.23	-26.77	74	39.95	44	18.87	55.59	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz

WIFI 802.11a (LF @ 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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		108.57	28.6	-14.9	43.5	42.43	16.64	1.79	32.26	-	-	P	H
		269.59	26.96	-19.04	46	37.27	19.16	2.88	32.35	-	-	P	H
		451.95	25.11	-20.89	46	30.46	23.17	3.62	32.14	-	-	P	H
		571.26	28.62	-17.38	46	30.52	25.97	4.1	31.97	-	-	P	H
		732.28	31.45	-14.55	46	31.32	27.7	4.65	32.22	-	-	P	H
		868.08	32.44	-13.56	46	30.41	29.03	5.06	32.06	100	0	P	H
		33.88	33.36	-6.64	40	41.98	22.65	0.97	32.24	105	357	QP	V
		160.95	28.6	-14.9	43.5	42.33	16.31	2.25	32.29	-	-	P	V
		424.79	24.26	-21.74	46	30.11	22.8	3.52	32.17	-	-	P	V
		566.41	28.57	-17.43	46	30.38	26.09	4.08	31.98	-	-	P	V
		749.74	31.07	-14.93	46	30.53	28.09	4.71	32.26	-	-	P	V
		874.87	32.15	-13.85	46	30.07	29.02	5.09	32.03	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4+3		(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

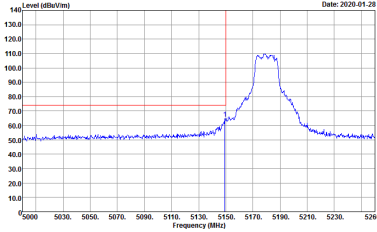
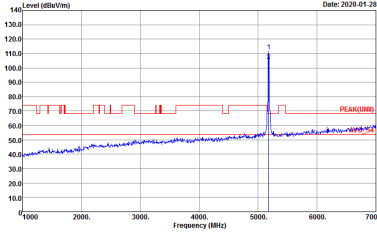
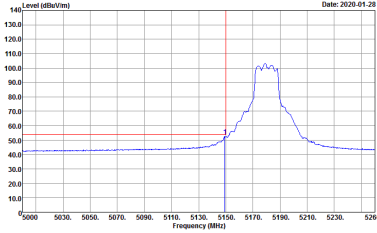
Test Engineer :	Jacky Hung, CR Liao, and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

Note symbol

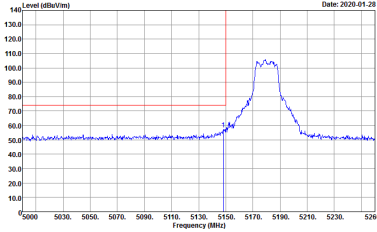
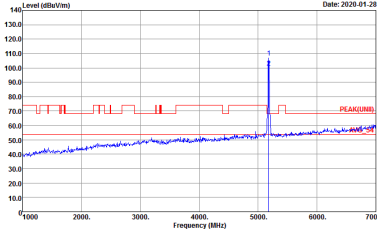
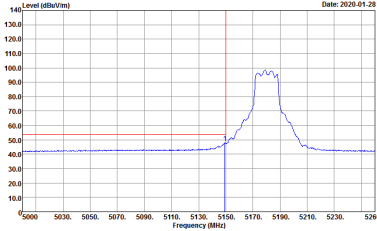
-L	Low channel location
-R	High channel location



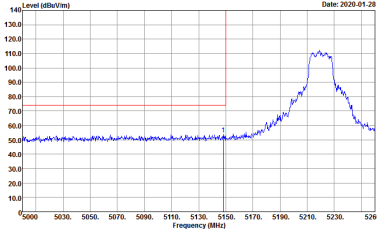
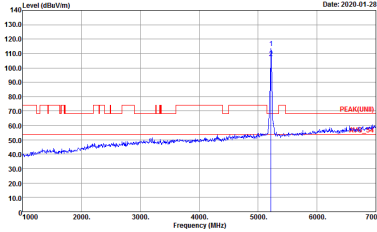
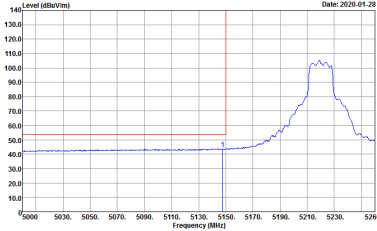
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 17	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 17
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 17	Left blank

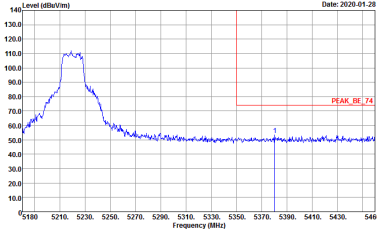
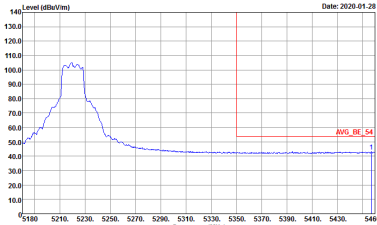


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 9D0616-05 Setting : 17	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 9D0616-05 Setting : 17
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : 9D0616-05 Setting : 17	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

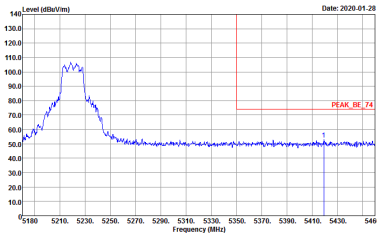
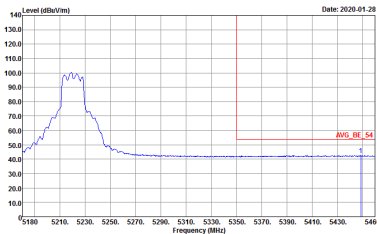


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

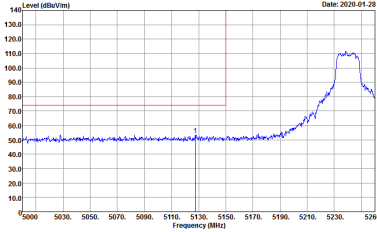
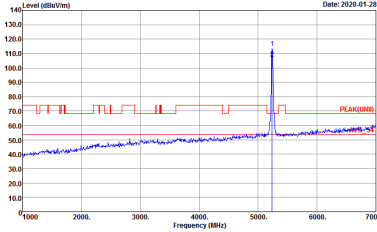
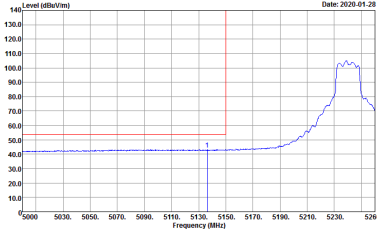


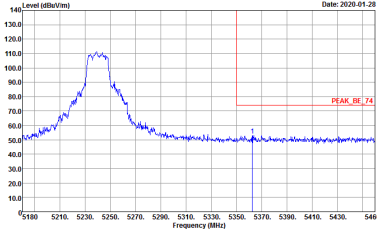
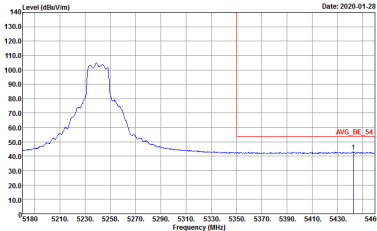
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank



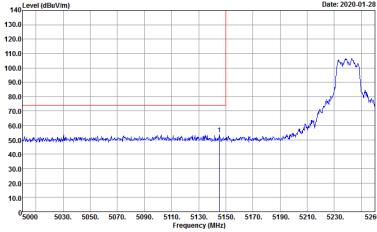
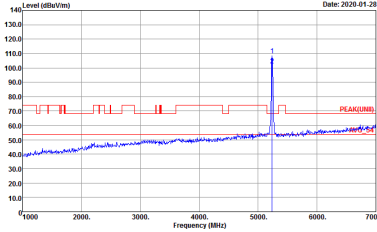
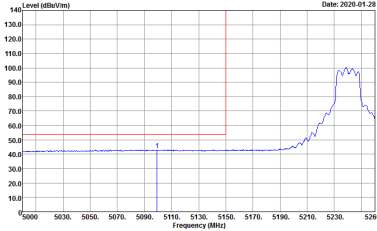
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



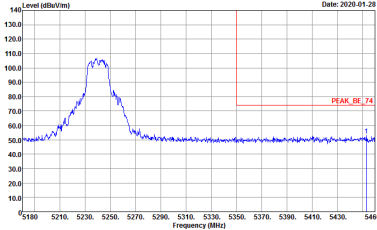
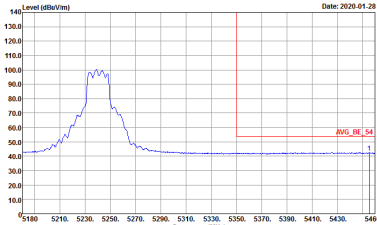
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



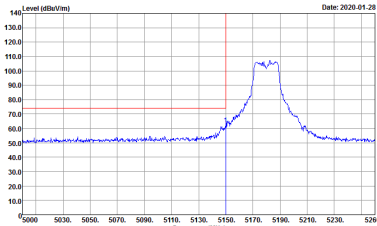
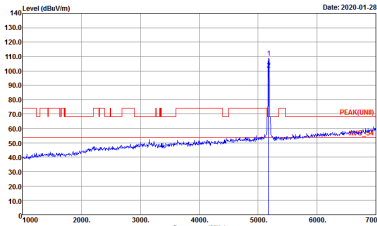
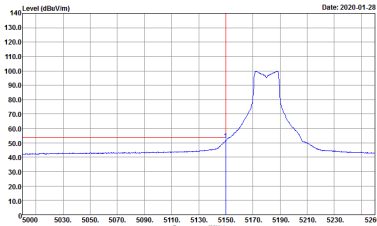
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Project : 9D0616-05	Left blank



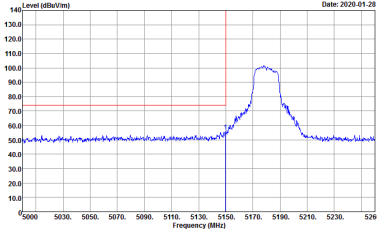
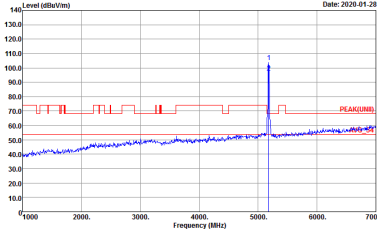
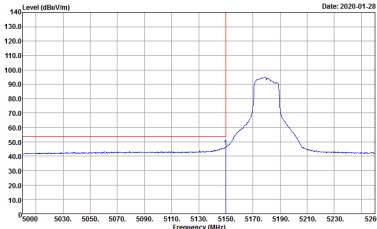
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



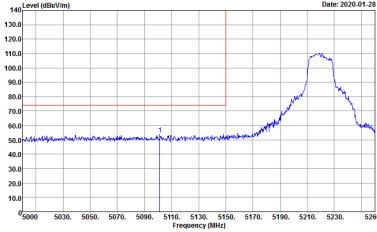
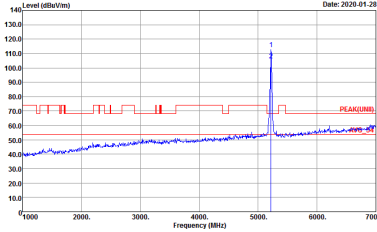
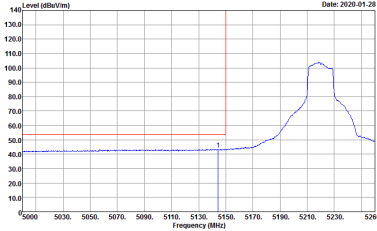
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 16.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 16.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 16.5	Left blank

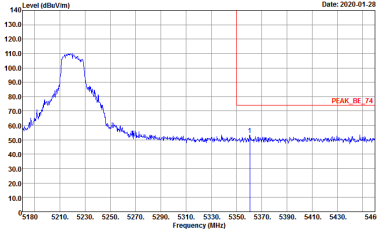
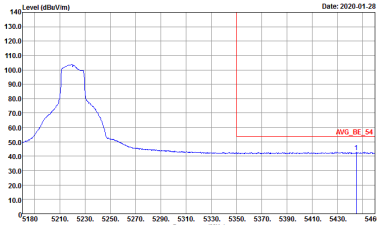


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 16.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 16.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 16.5	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

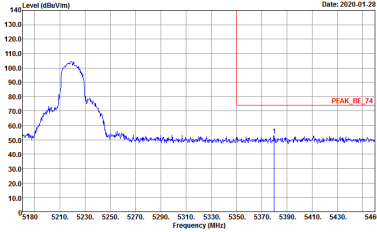
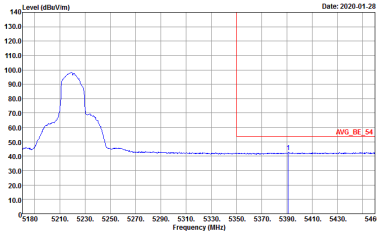


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

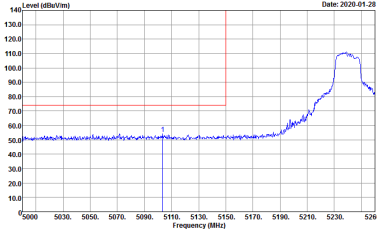
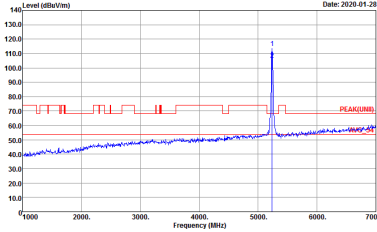
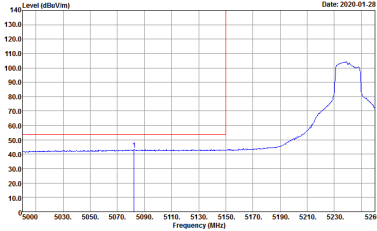


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

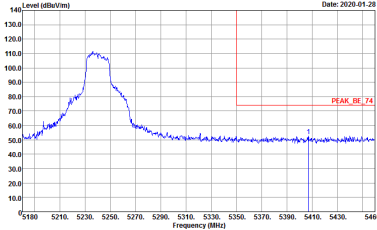
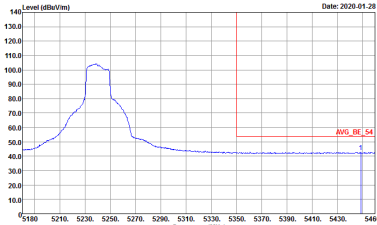


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



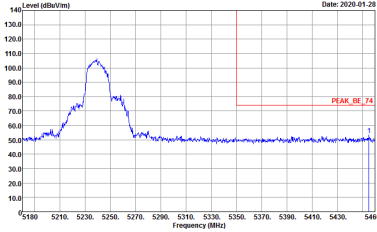
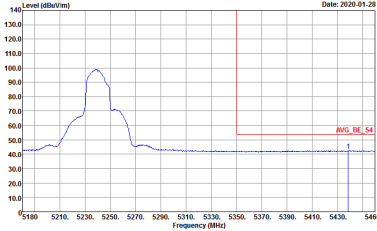
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

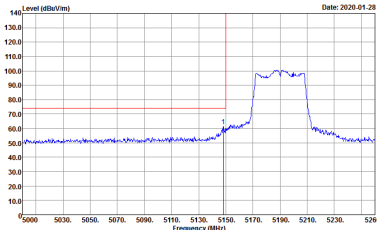
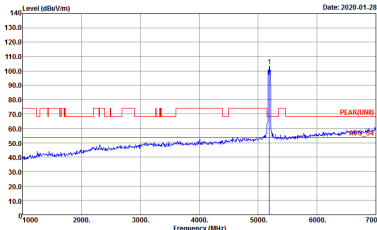
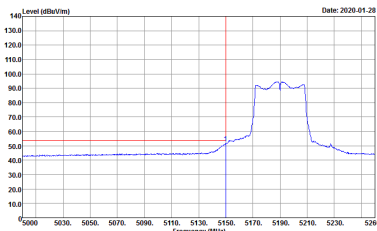


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

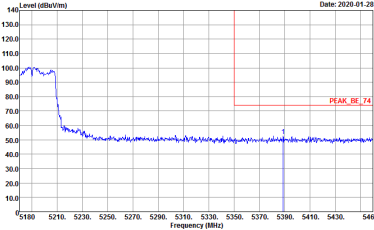
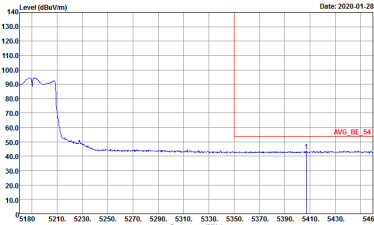
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



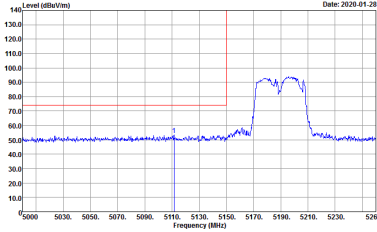
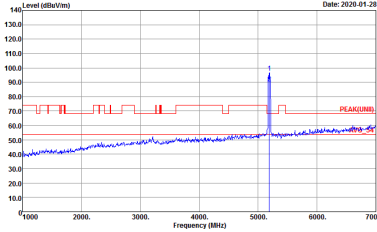
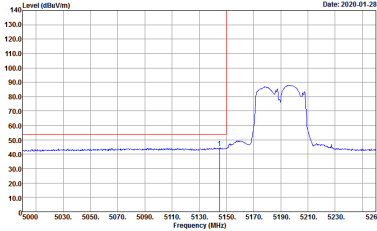
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 10	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 10
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 10	Left blank

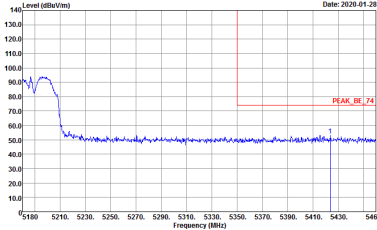
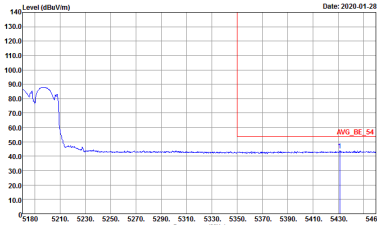


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	Left blank

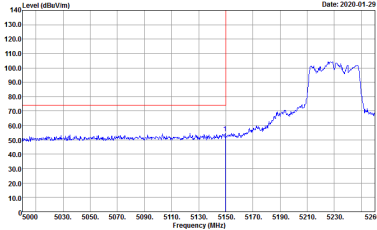
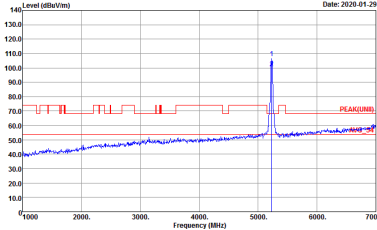
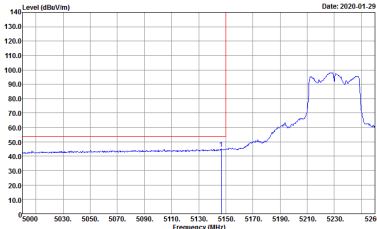


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	Left blank

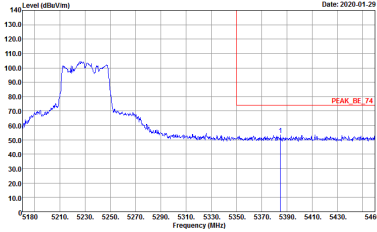
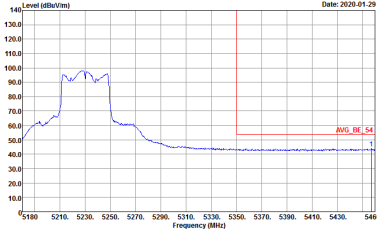


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 10	Left blank

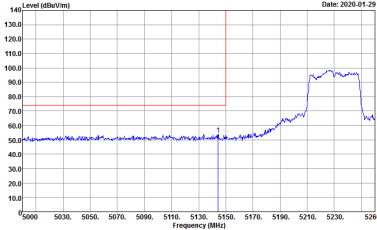
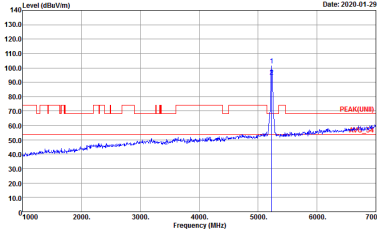
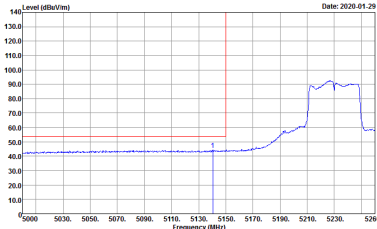


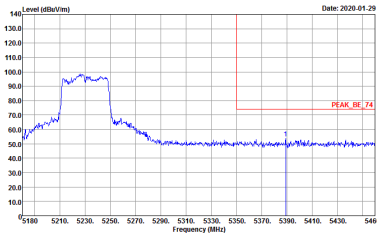
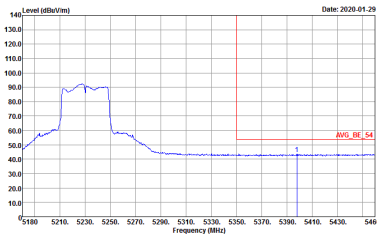
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

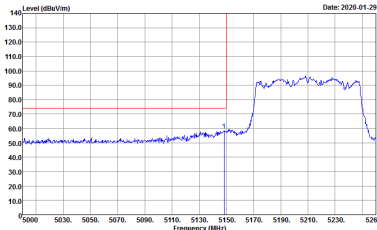
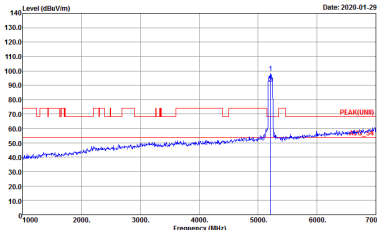
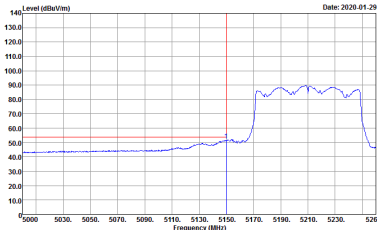


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

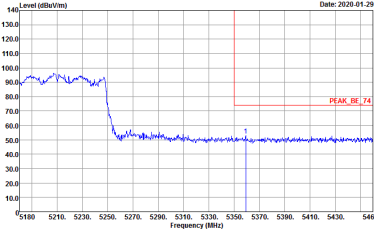
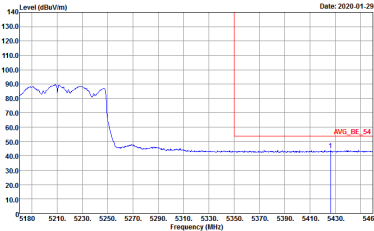
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



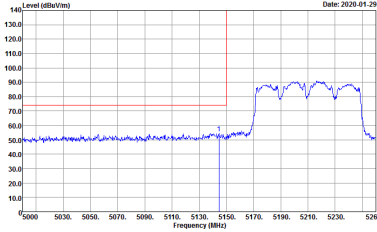
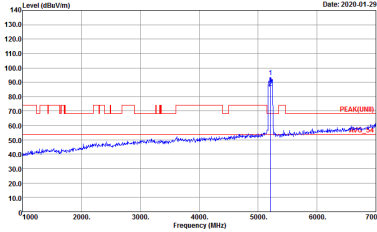
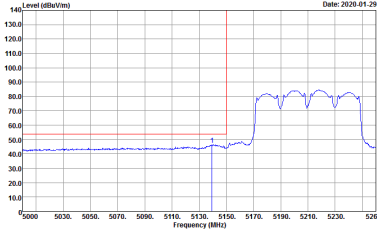
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 9.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 9.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank

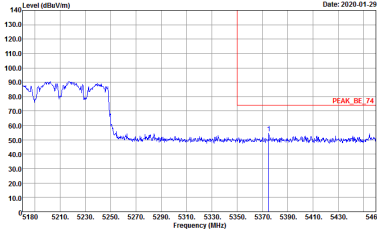
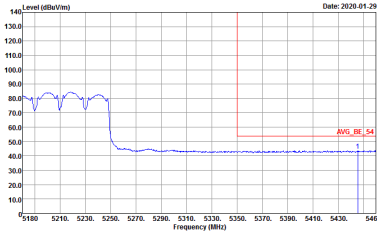


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank



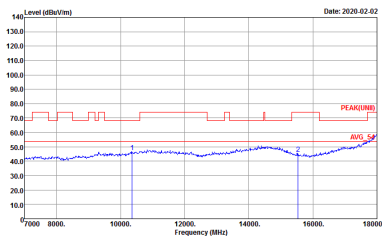
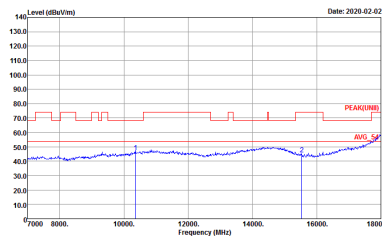
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank



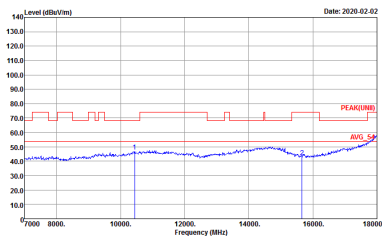
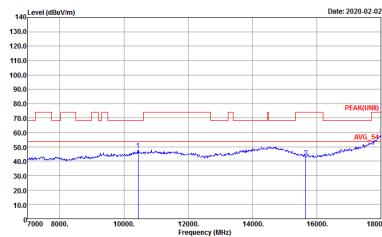
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 9.5	Left blank



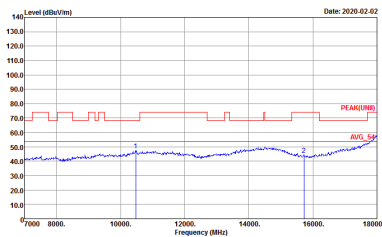
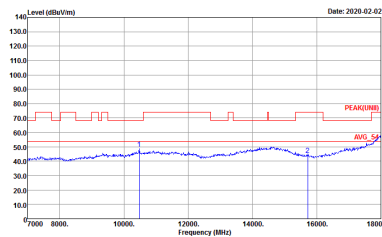
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 17	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 17



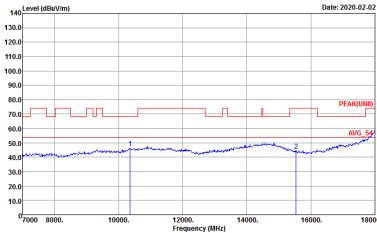
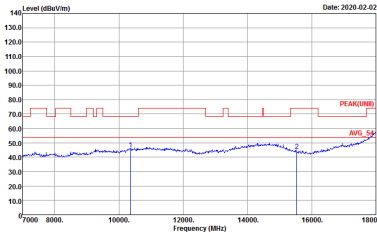
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 16.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 16.5



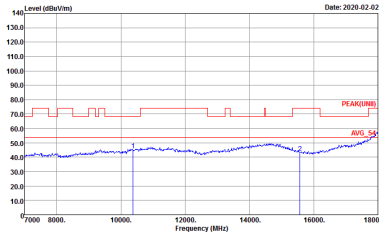
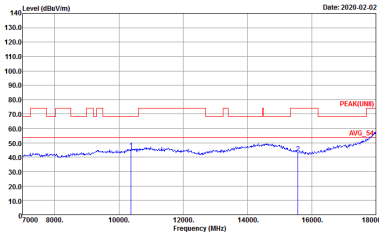
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-02-02 Frequency (MHz) Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBuV/m) Date: 2020-02-02 Frequency (MHz) Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/Vm) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBu/Vm) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

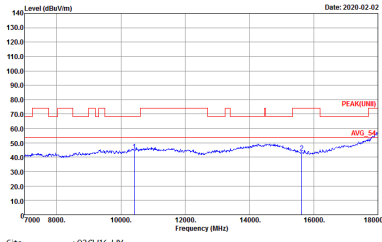
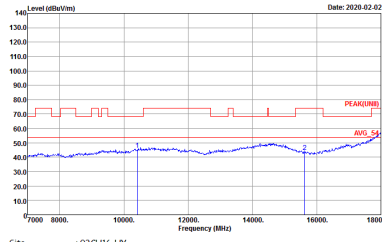
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05 Setting : 10	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 900616-05 Setting : 10



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05

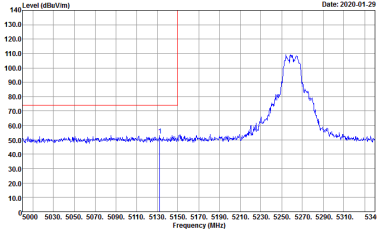
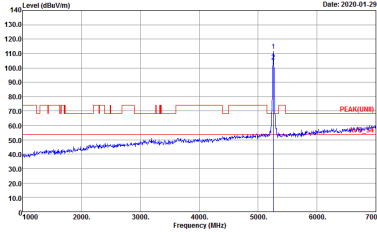
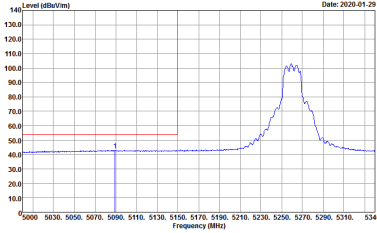


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

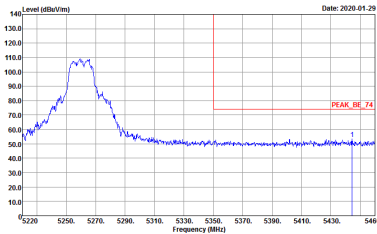
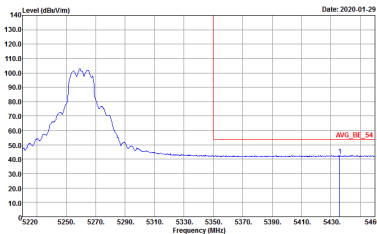
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05 Setting : 9.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 900616-05 Setting : 9.5



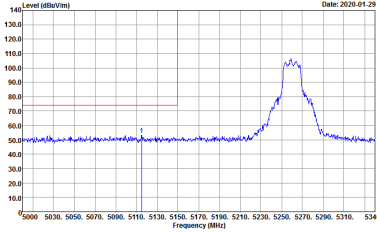
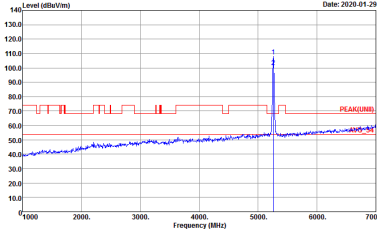
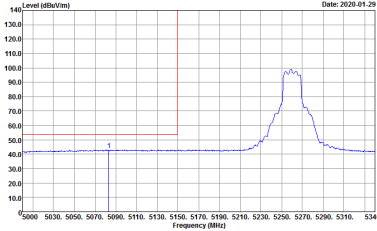
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

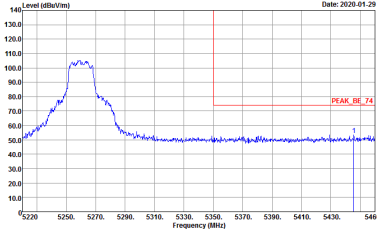
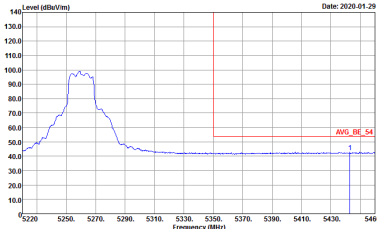
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



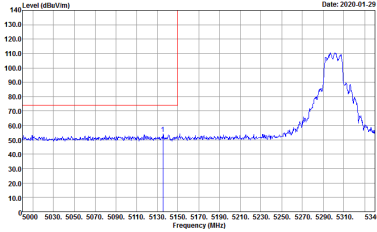
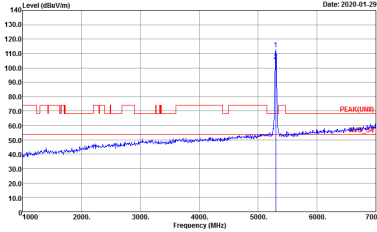
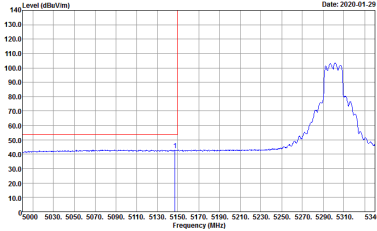
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

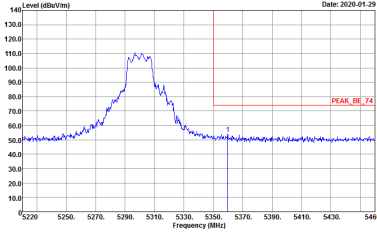
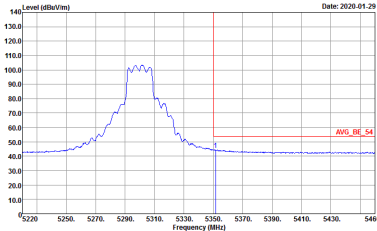


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

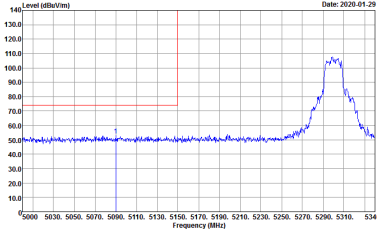
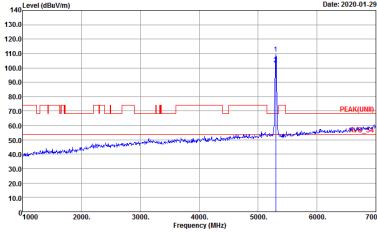
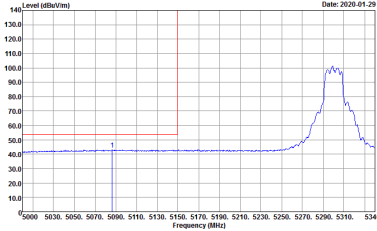
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



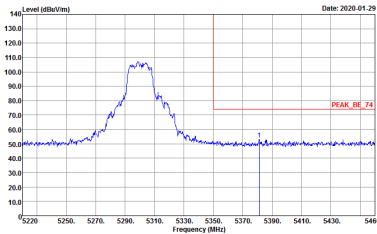
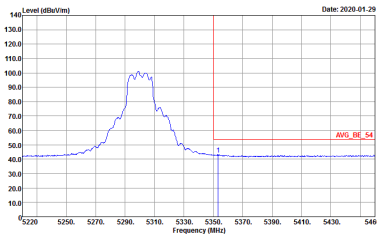
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

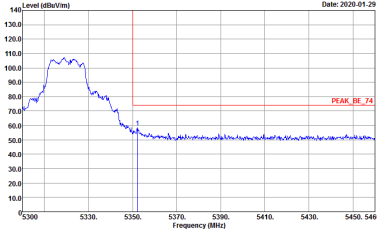
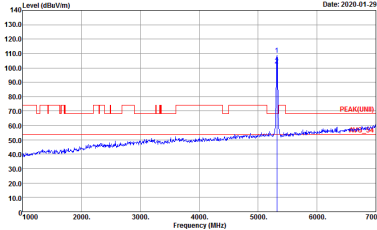
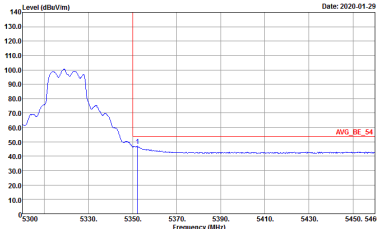


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



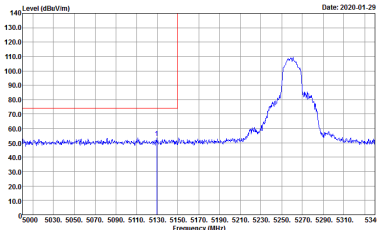
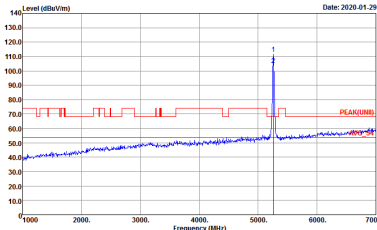
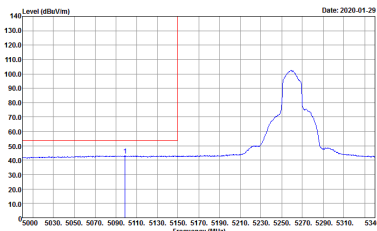
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 18.5	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 18.5
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 18.5	Left blank



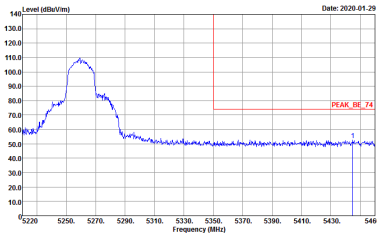
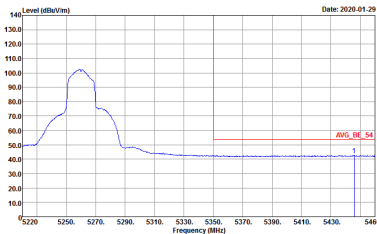
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 18.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 18.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 18.5	Left blank



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

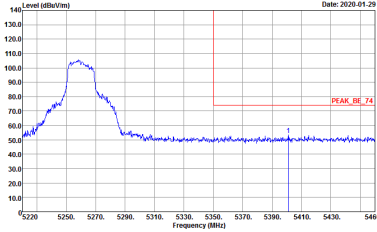
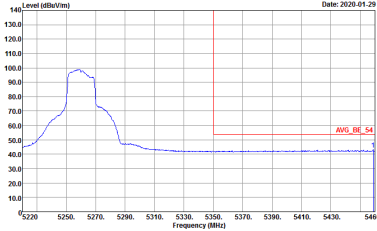


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

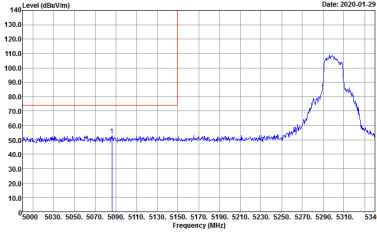
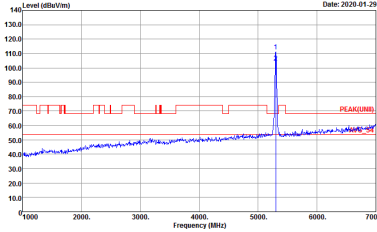
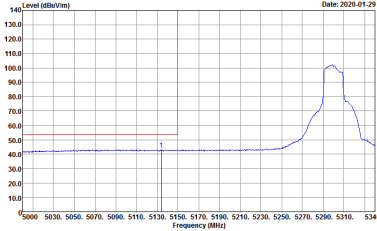


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4+3	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

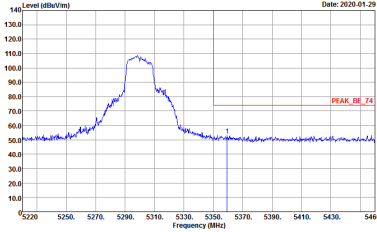
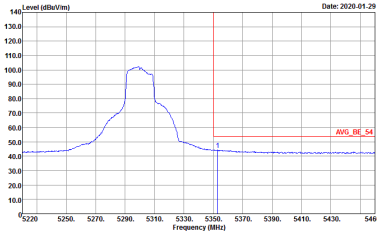


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

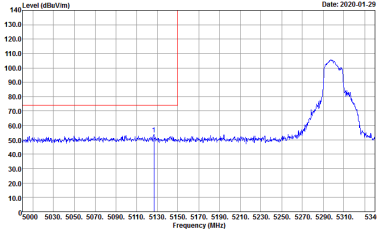
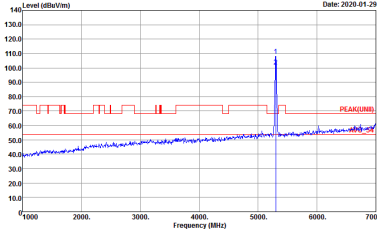
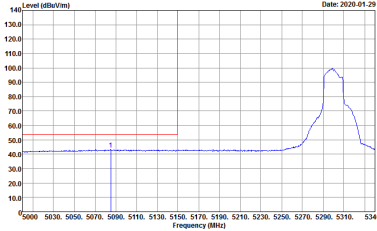


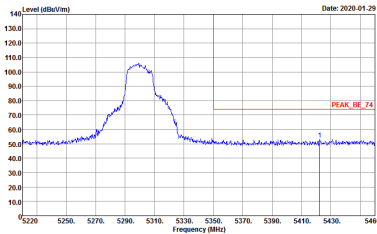
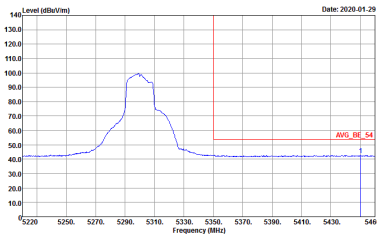
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



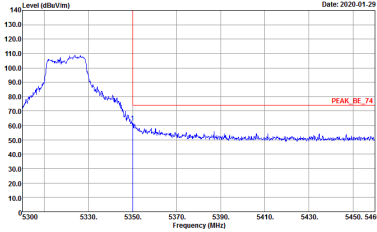
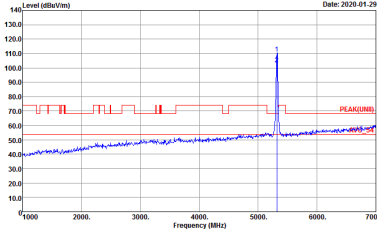
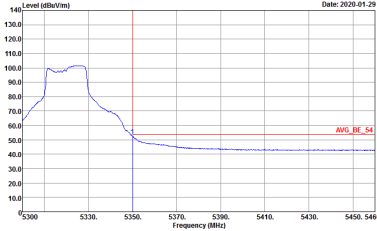
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4+3	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



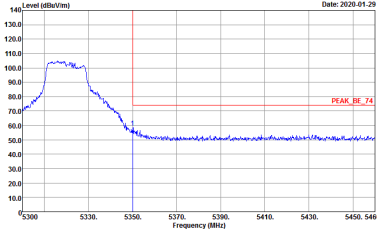
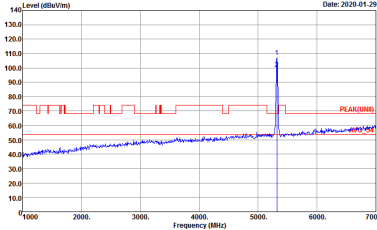
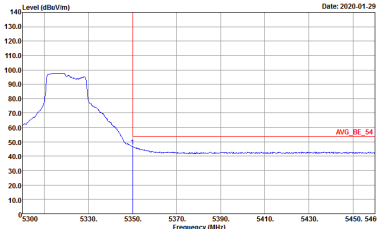
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



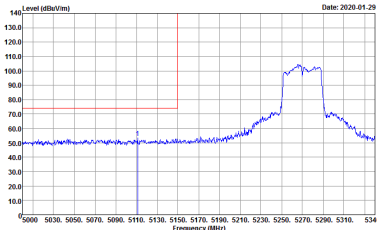
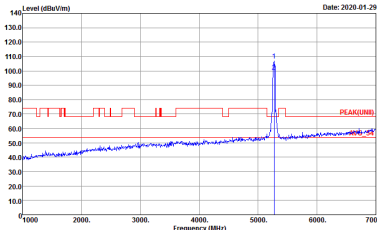
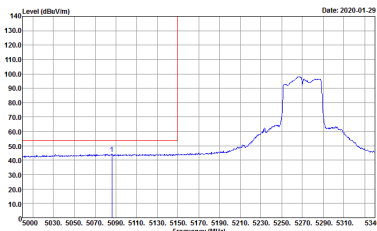
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting :
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



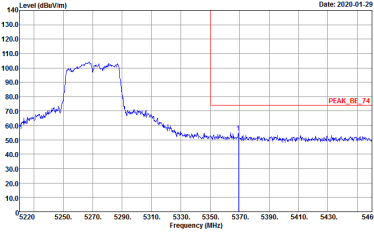
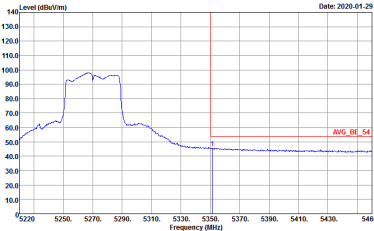
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Project : Peak Project : 9D0616-05	Left blank



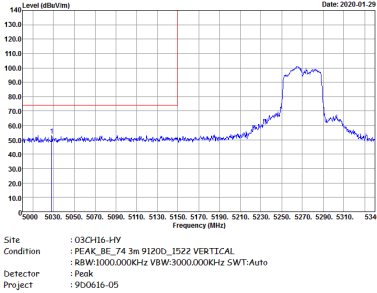
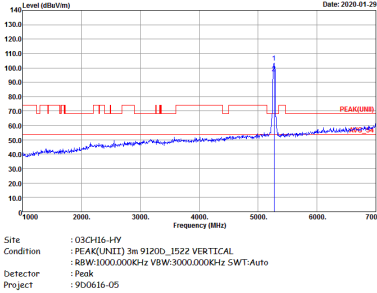
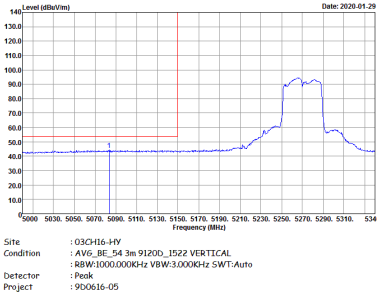
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

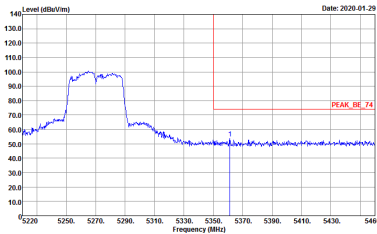
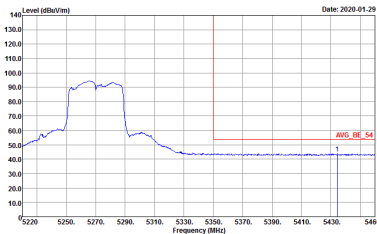
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



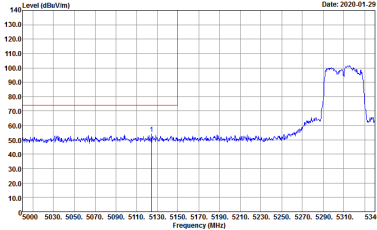
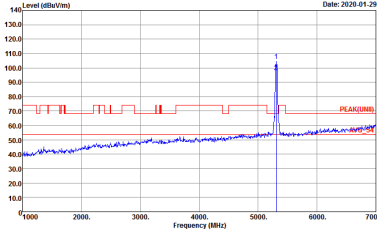
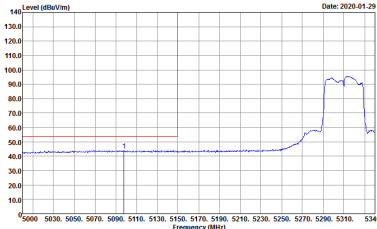
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



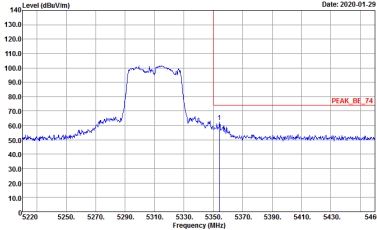
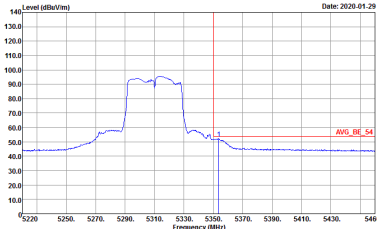
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
4+3	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
4+3	Vertical	Vertical
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

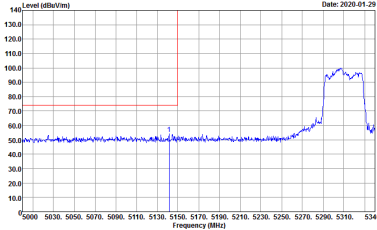
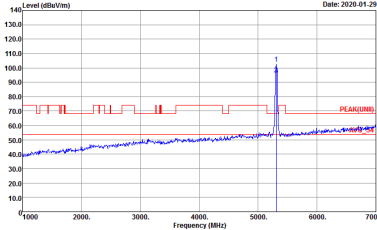
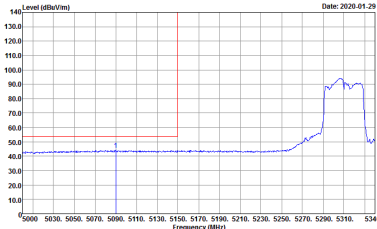


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 14	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 14
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 14	Left blank

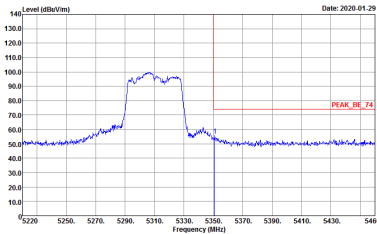
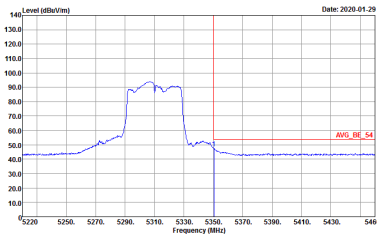


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 14	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 14	Left blank



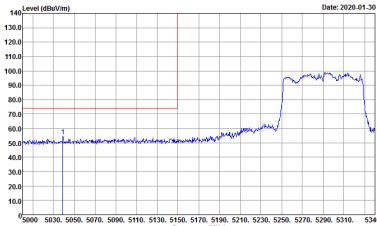
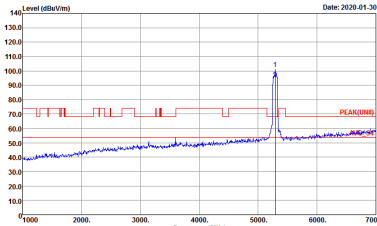
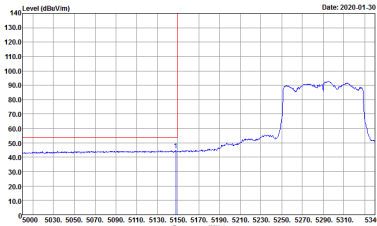
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 14	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 14
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 14	Left blank



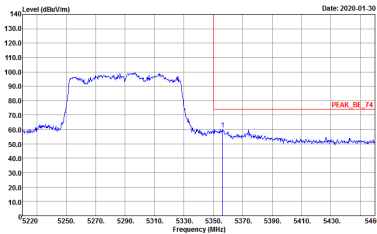
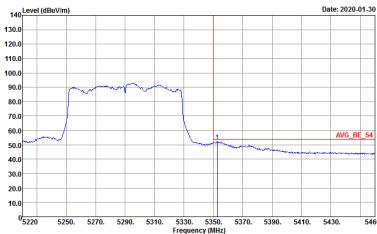
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 14	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 14	Left blank



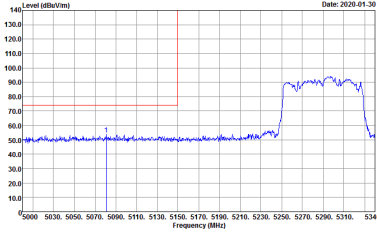
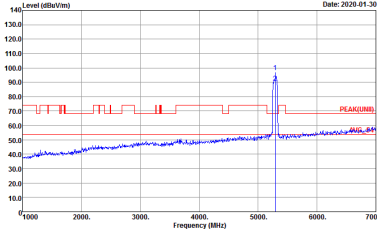
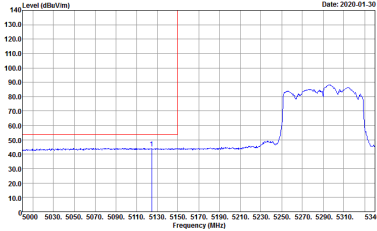
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 11.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 11.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank

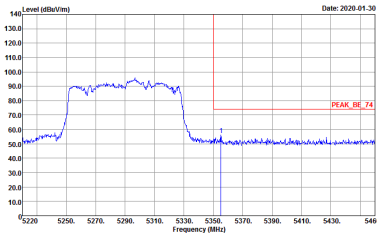
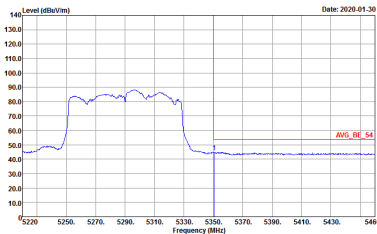


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank



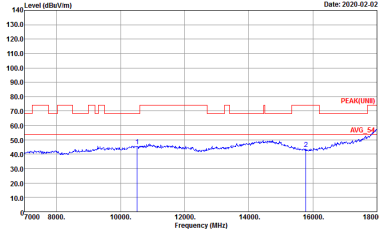
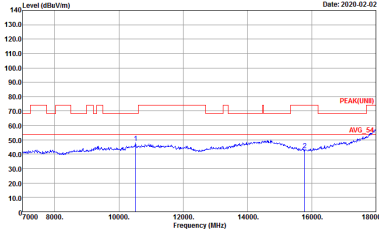
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 11.5	Left blank



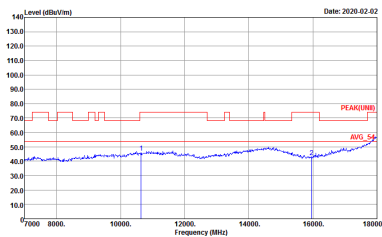
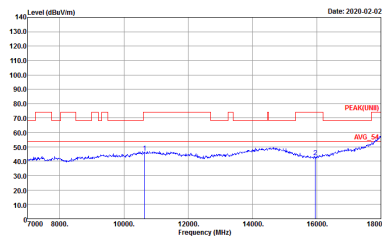
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



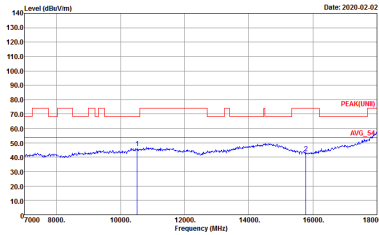
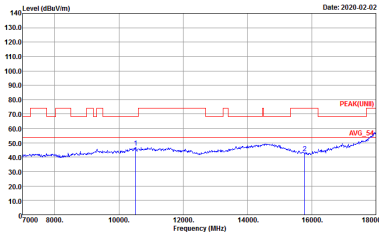
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 18.5	 Site : 03CH16-11Y Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 18.5



Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



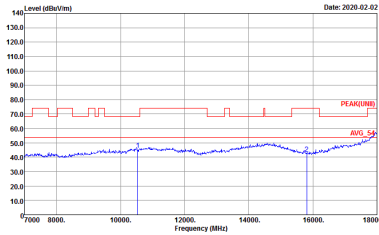
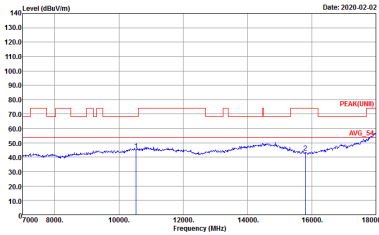
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBu/Vm) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBu/Vm) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



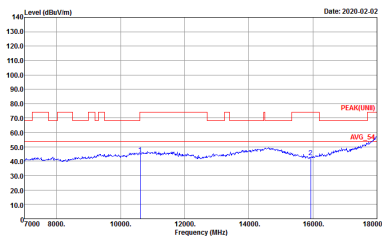
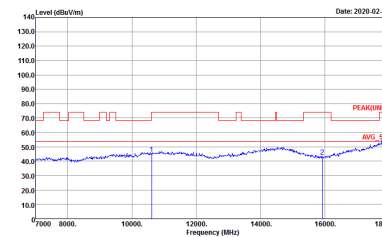
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Level (dBuV/m) Date: 2020-02-02 Site : 03CH16-11Y Condition : PEAK(UWB) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

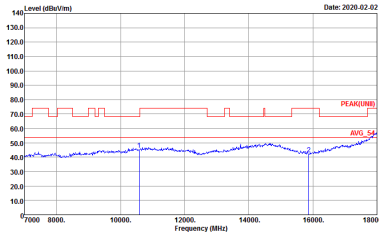
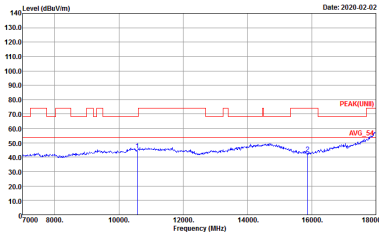
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
4+3	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2020-02-02  Site : 03CH16-11Y Condition : PEAK (UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 14	Level (dBuV/m) Date: 2020-02-02  Site : 03CH16-11Y Condition : PEAK (UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 14

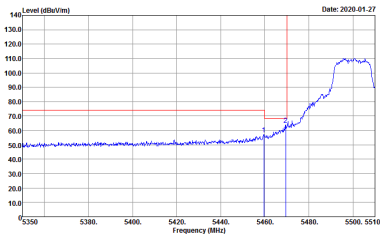
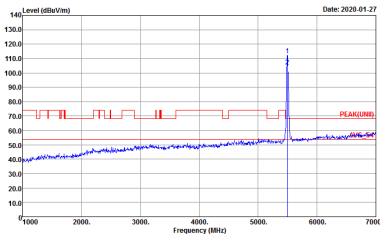
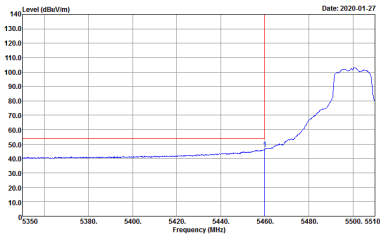


Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

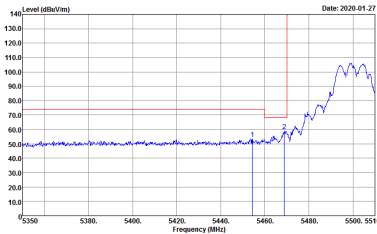
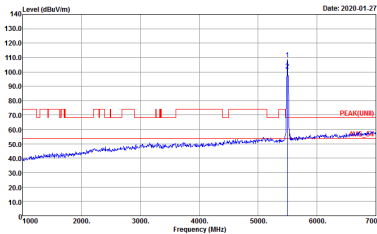
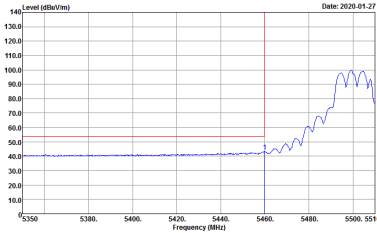
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
4+3	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 11.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 11.5



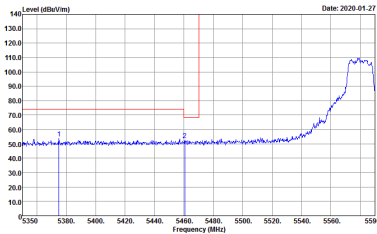
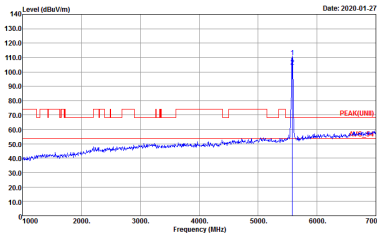
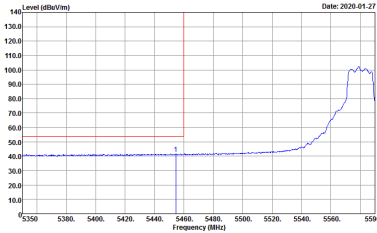
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT)_3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

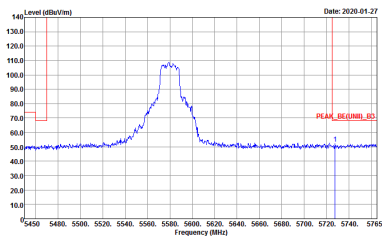


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT1) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

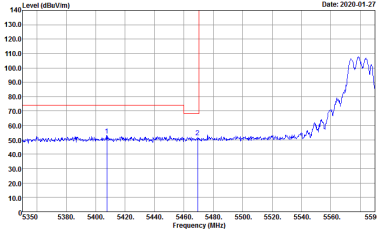
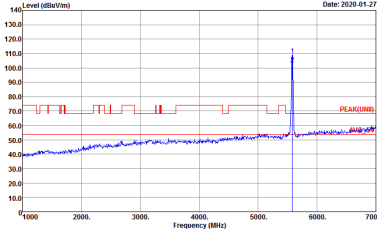
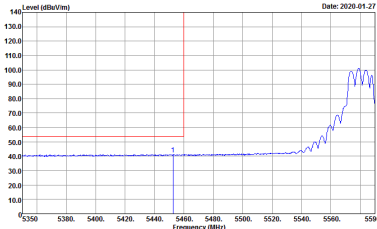


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : USCH116-19V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

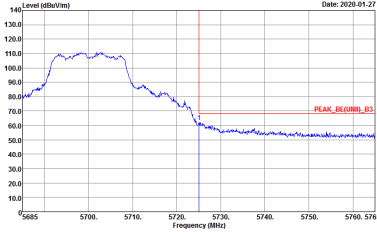
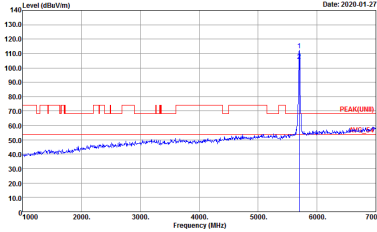


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak	Site : USCH16-19V Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank



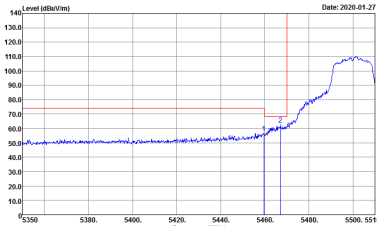
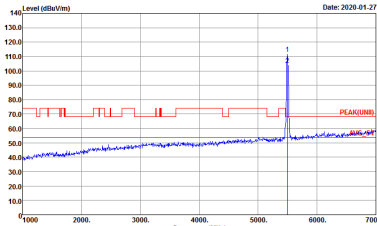
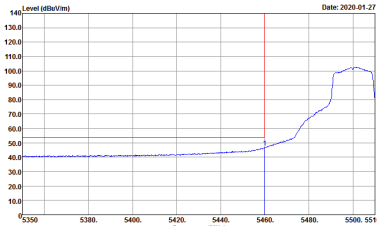
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-11Y Condition : PEAK_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05	 Site : 03CH16-11Y Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05



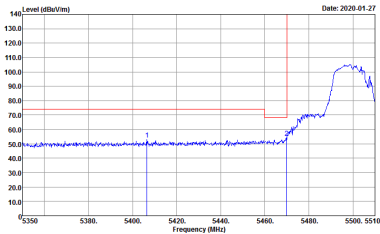
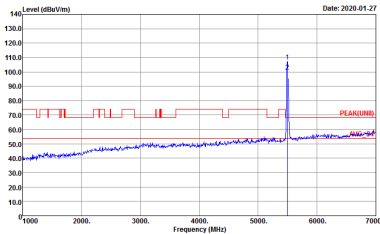
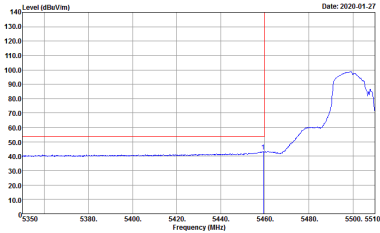
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4+3	Vertical	Fundamental
Peak	Level (dBuV/m) Date: 2020-01-27 PEAK_REC(UNIT)_B3 Site : 03CH16-11Y Condition : PEAK_REC(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900616-05	Level (dBuV/m) Date: 2020-01-27 PEAK_REC(UNIT)_B3 Site : 03CH16-11Y Condition : PEAK_REC(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 900616-05

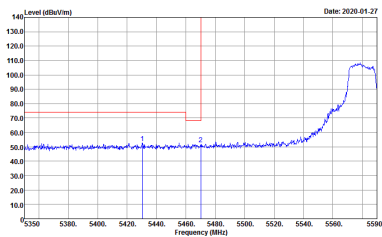
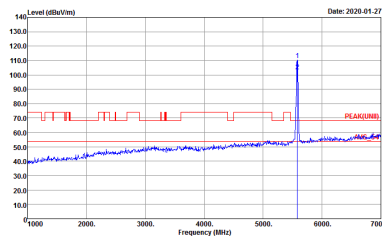
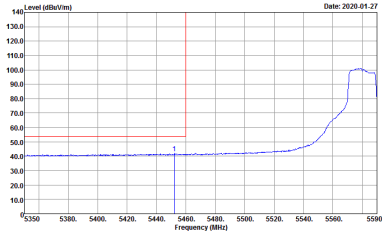


Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

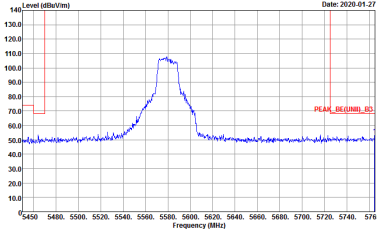
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT1) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank



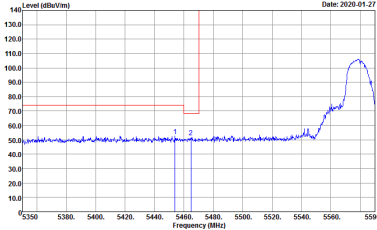
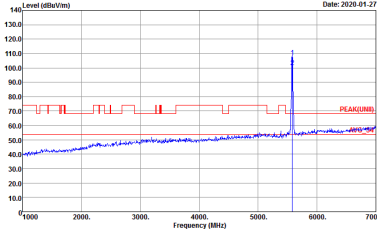
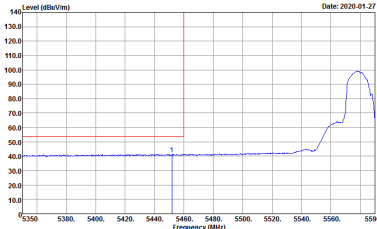
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT1)_3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH16 5580MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05	Left blank

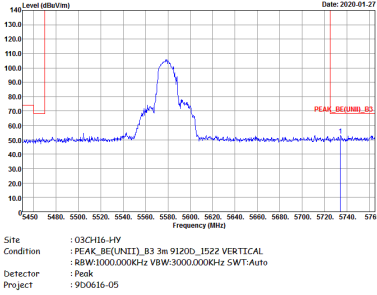


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : USCH16-19V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05	Left blank

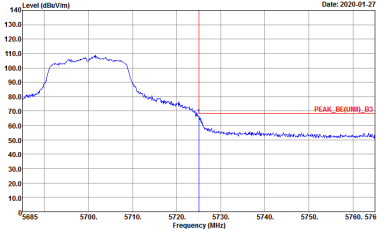
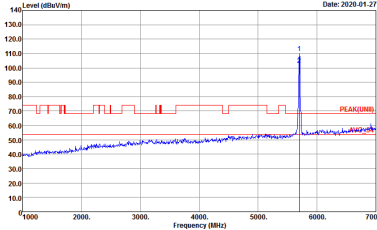


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	 Site : 03CH16-HY Condition : PEAK(UNIT1) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05	Left blank

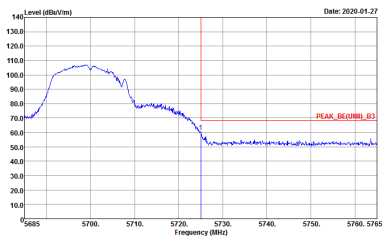
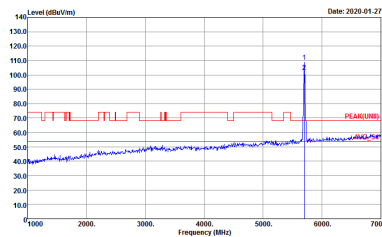


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4+3	Vertical	Fundamental
Peak		Left blank



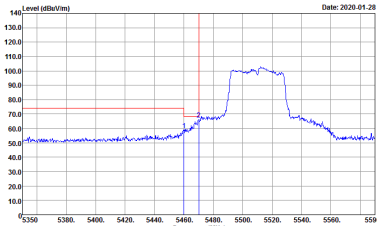
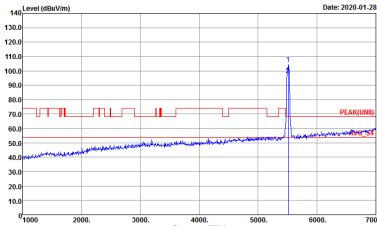
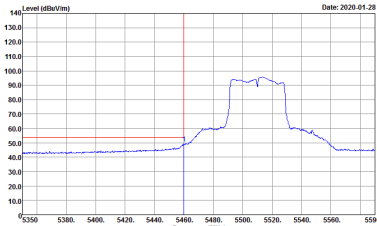
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-11Y Condition : PEAK_BE(UNIT), B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05	 Site : 03CH16-11Y Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 900616-05



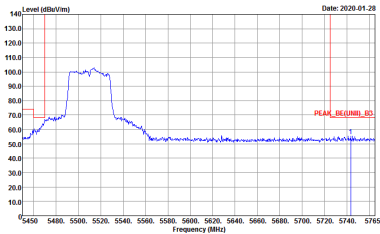
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4+3	Vertical	Fundamental
Peak.	 Site : 03CH16-11Y Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 900616-05	 Site : 03CH16-11Y Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 900616-05



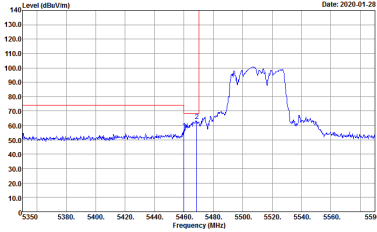
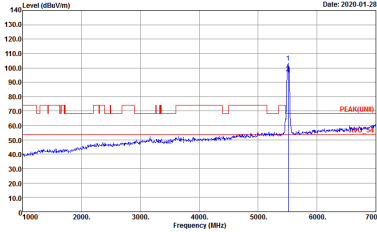
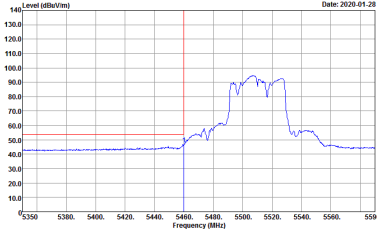
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 15.5	 Site : 03CH16-HY Condition : PEAK(UNIT1) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 15.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT1)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 9D0616-05 Setting : 15.5	Left blank

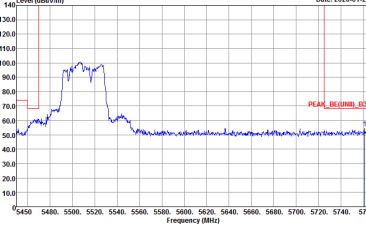


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Horizontal	Fundamental
Peak	 Site : USCH16-19V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 9D0616-05 Setting : 15.5 Date: 2020-01-28 PEAK_BE([UNIT], B3)	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 15.5	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 15.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 9D0616-05 Setting : 15.5	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4+3	Vertical	Fundamental
Peak	 Site : 03CH16-19V Condition : PEAK_BE([UNIT]), B3 3m 91200_1522 VERTICAL Detector : Peak Project : 900616-05 Setting : 15.5	Left blank