



FCC RADIO TEST REPORT

FCC ID : 2AUPE-8959
Equipment : Digital Media Receiver
Model Name : T4E4AT
Applicant : Turley White LLC
35 Village Road, Suite 100
Middleton, MA 01949
United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 07, 2020 and testing was started from May 21, 2020 and completed on Jul. 02, 2020. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR020110-01E	01	Initial issue of report	Jul. 15, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)
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
3.5	15.207	AC Conducted Emission	Pass
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: Ruby Zou



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	T4E4AT
FCC ID	2AUPE-8959
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE Zigbee/FSK/LoRa

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	<p><5180 MHz ~ 5240 MHz> MIMO <Ant. 1+2> 802.11a : 20.06 dBm / 0.1014 W 802.11n HT20 : 19.91 dBm / 0.0979 W 802.11n HT40 : 19.81 dBm / 0.0957 W 802.11ac VHT20: 19.81 dBm / 0.0957 W 802.11ac VHT40: 19.71 dBm / 0.0935 W 802.11ac VHT80: 17.61 dBm / 0.0577 W</p> <p><5260 MHz ~ 5320 MHz> MIMO <Ant. 1+2> 802.11a : 20.06 dBm / 0.1014 W 802.11n HT20 : 20.01 dBm / 0.1002 W 802.11n HT40 : 19.76 dBm / 0.0946 W 802.11ac VHT20: 19.91 dBm / 0.0979 W 802.11ac VHT40: 19.66 dBm / 0.0925 W 802.11ac VHT80: 17.16 dBm / 0.0520 W</p> <p><5500 MHz ~ 5720 MHz > MIMO <Ant. 1+2> 802.11a : 19.51 dBm / 0.0893 W 802.11n HT20 : 19.51 dBm / 0.0893 W 802.11n HT40 : 19.31 dBm / 0.0853 W 802.11ac VHT20: 19.41 dBm / 0.0873 W 802.11ac VHT40: 19.21 dBm / 0.0834 W 802.11ac VHT80: 19.11 dBm / 0.0815 W</p>



Standards-related Product Specification	
99% Occupied Bandwidth	MIMO <Ant. 1> 802.11a : 16.75 MHz 802.11n HT20 : 17.80 MHz 802.11n HT40 : 36.30 MHz 802.11ac VHT80 : 76.68 MHz MIMO <Ant. 2> 802.11a : 16.80 MHz 802.11n HT20 : 17.80 MHz 802.11n HT40 : 36.50 MHz 802.11ac VHT80 : 76.56 MHz
Antenna Gain / Gain	<5180 MHz ~ 5240 MHz> <Ant. 1>: Loop Antenna with gain 3.53 dBi <Ant. 2>: Loop Antenna with gain 3.56 dBi <5260 MHz ~ 5320 MHz> <Ant. 1>: Loop Antenna with gain 3.28 dBi <Ant. 2>: Loop Antenna with gain 3.56 dBi <5500 MHz ~ 5720 MHz > <Ant. 1>: Loop Antenna with gain 3.38 dBi <Ant. 2>: Loop Antenna with gain 4.32 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

Remark: MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

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. The TAF code is not including all the FCC KDB listed without accreditation.–



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).
- 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.

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 : WLAN (5GHz) Link + Bluetooth Link + Zigbee Link + H-Pattern + Audio + Display 40 + Motor + Adapter



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

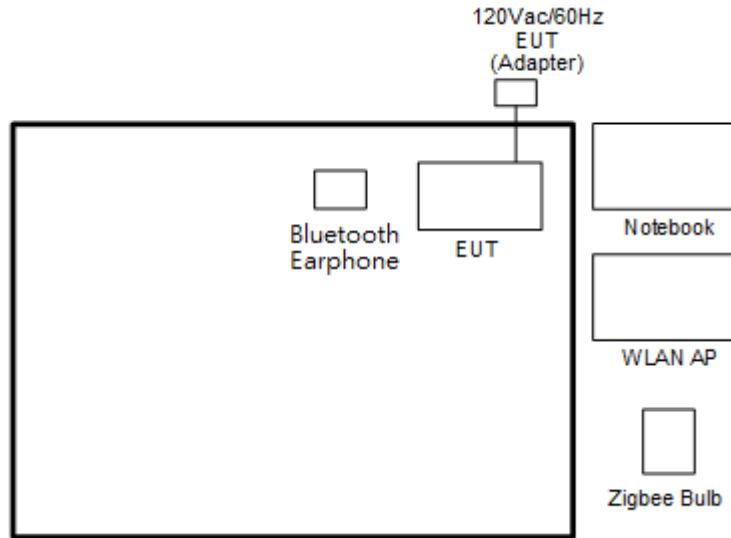
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

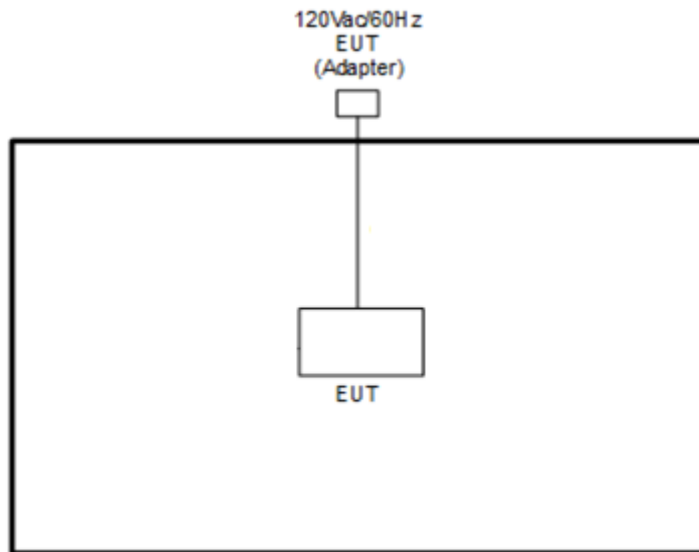
Remark: For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>





2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	SonyEricsson	MW600	PY700A2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
3.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Zigbee Bulb	OSRAM	73674	DZO-IQHOME	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance V 1.0.0.80” 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.

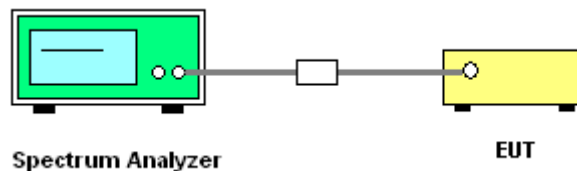
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

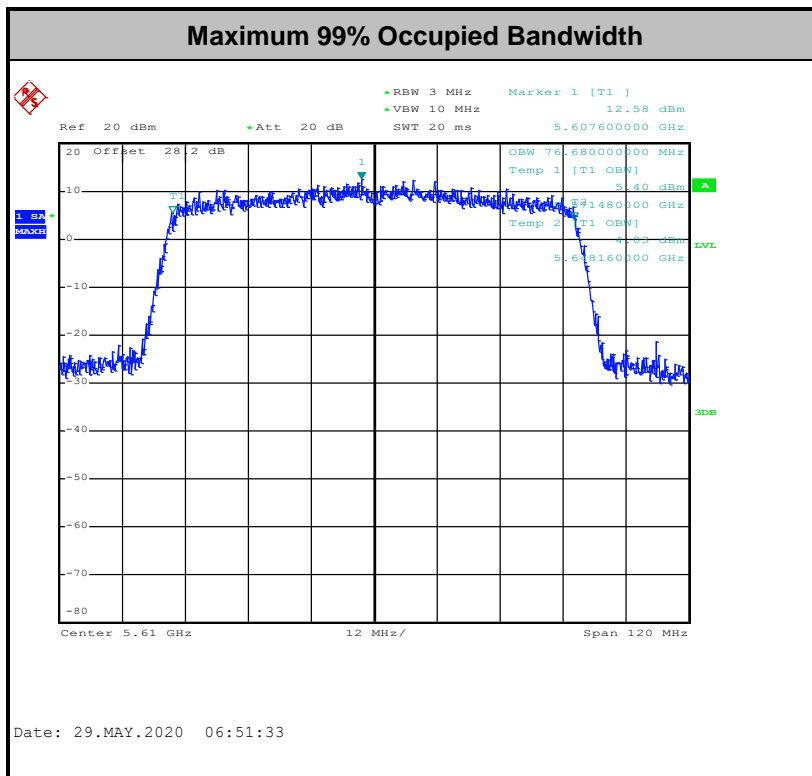
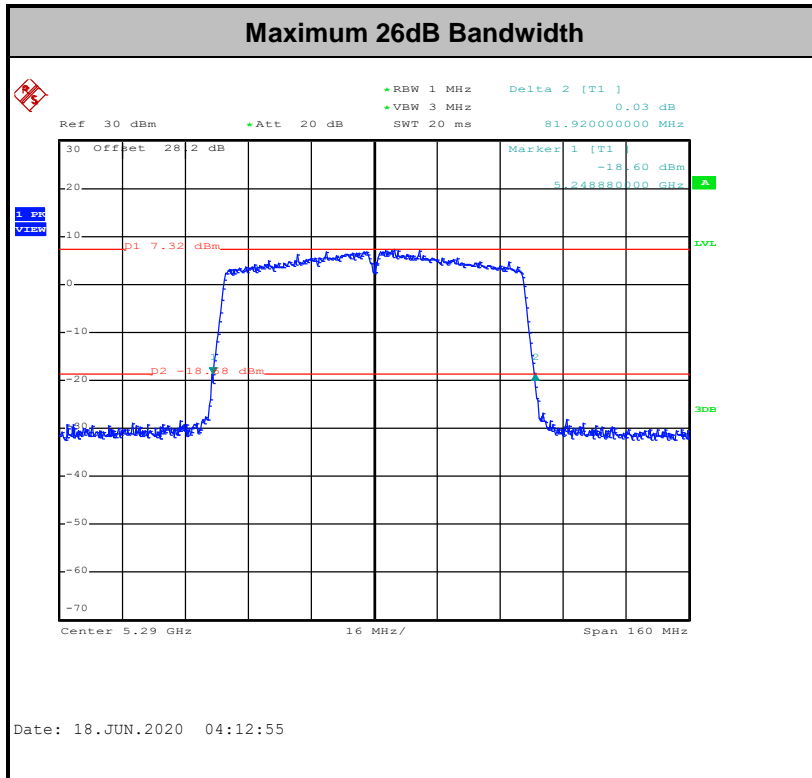
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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

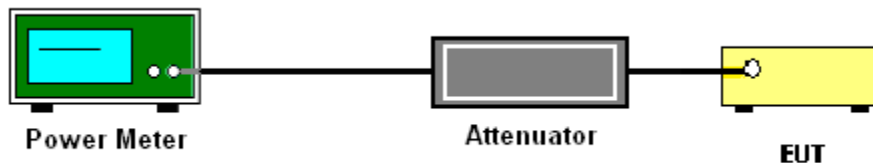
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

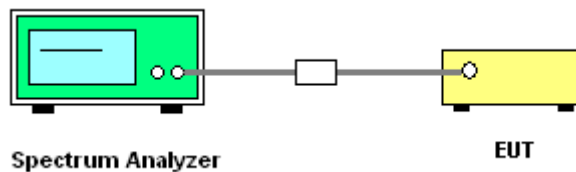
(power averaging (rms) detection with max hold):

- 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.

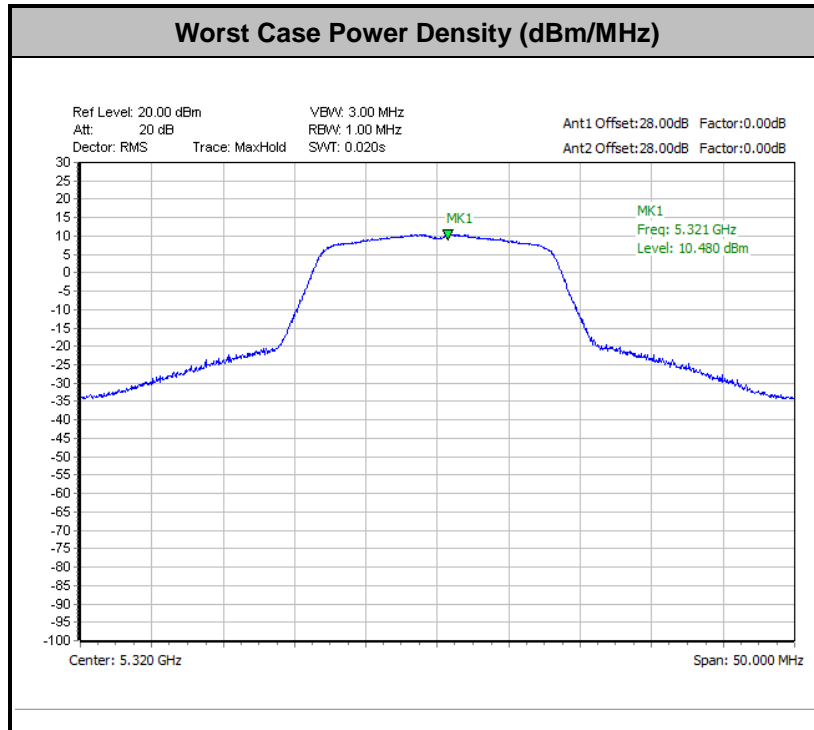
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.





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.

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



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

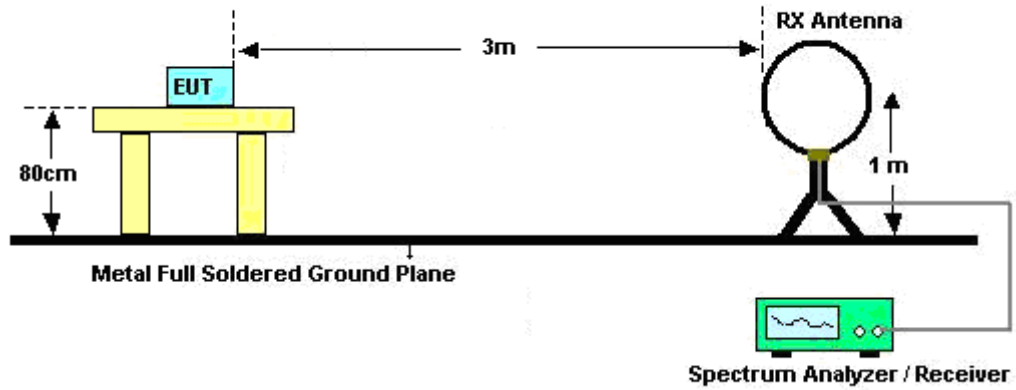


(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

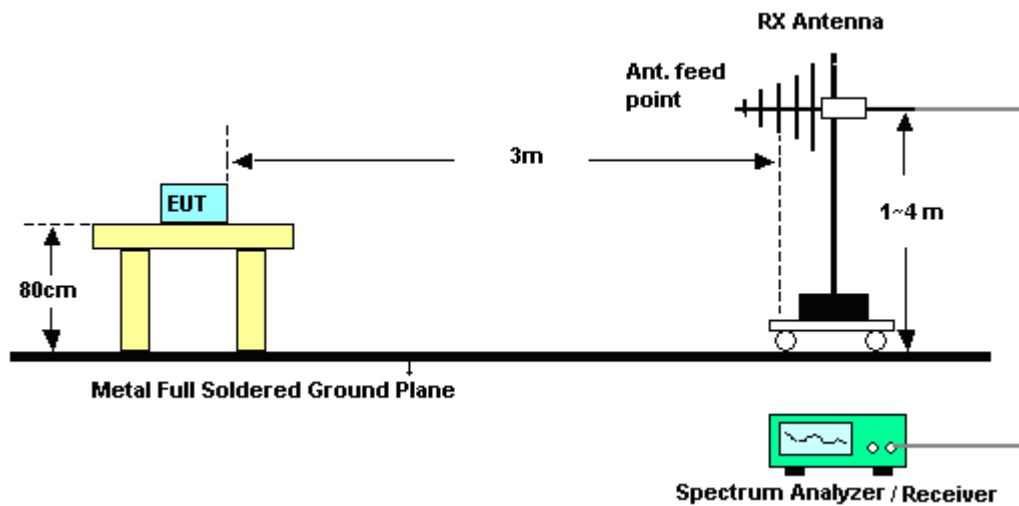
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. 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

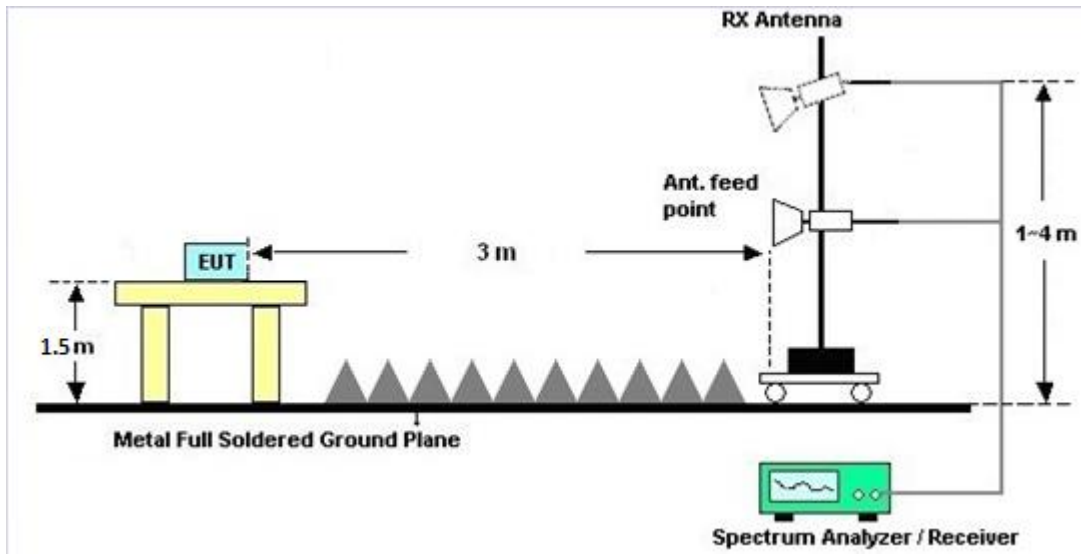
For radiated emissions below 30MHz



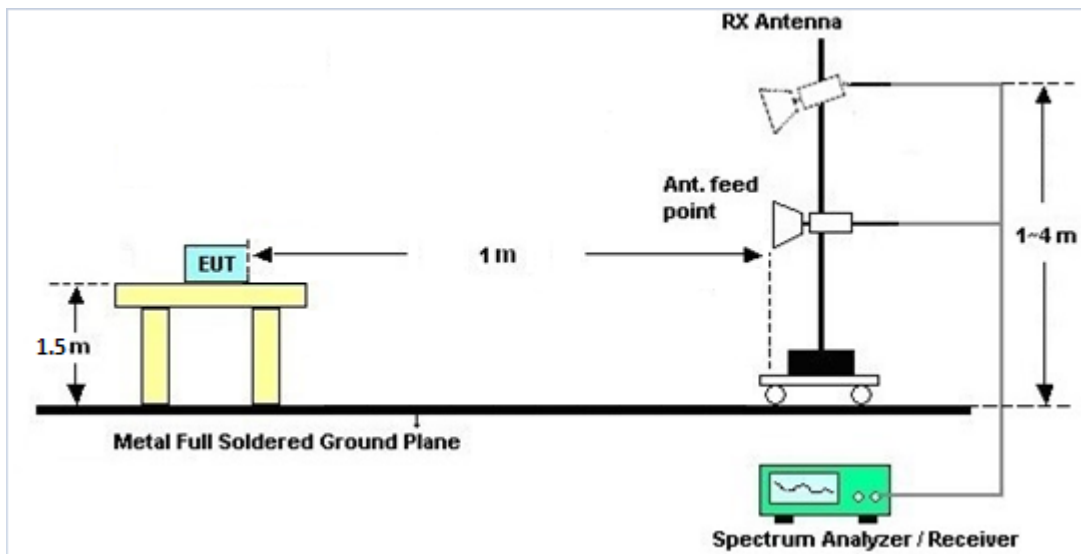
For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



For radiated emissions above 18GHz





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.

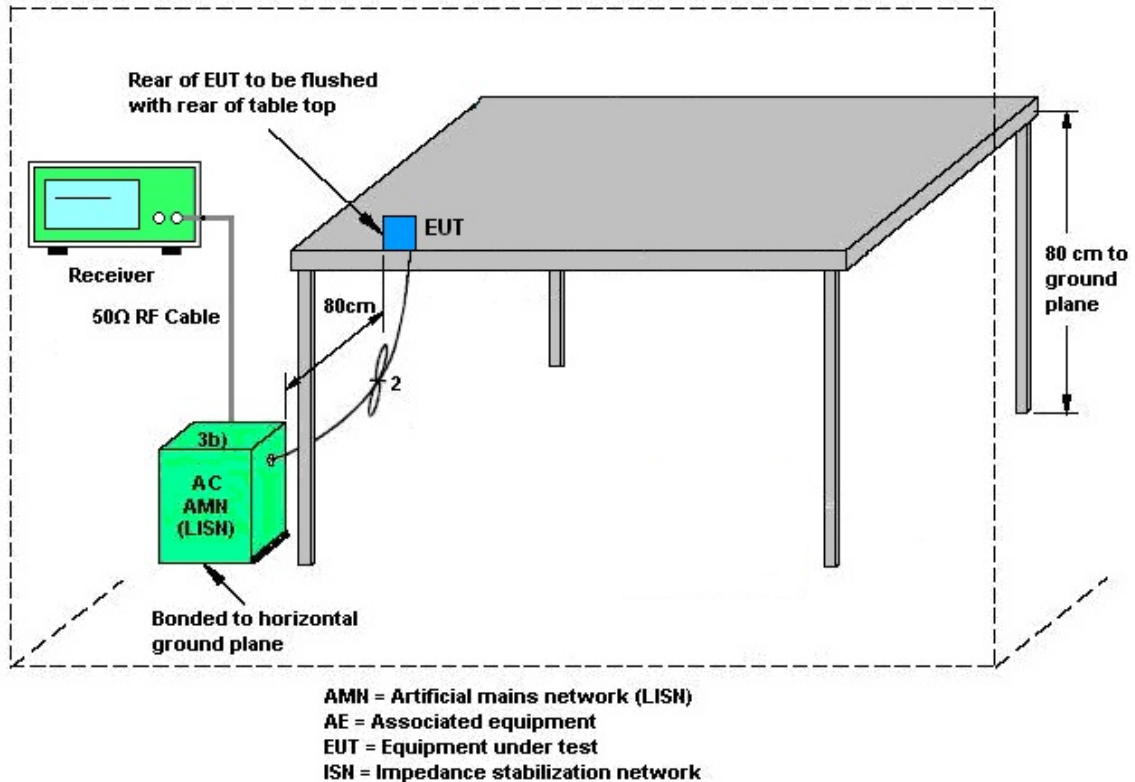
3.5.2 Measuring Instruments

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

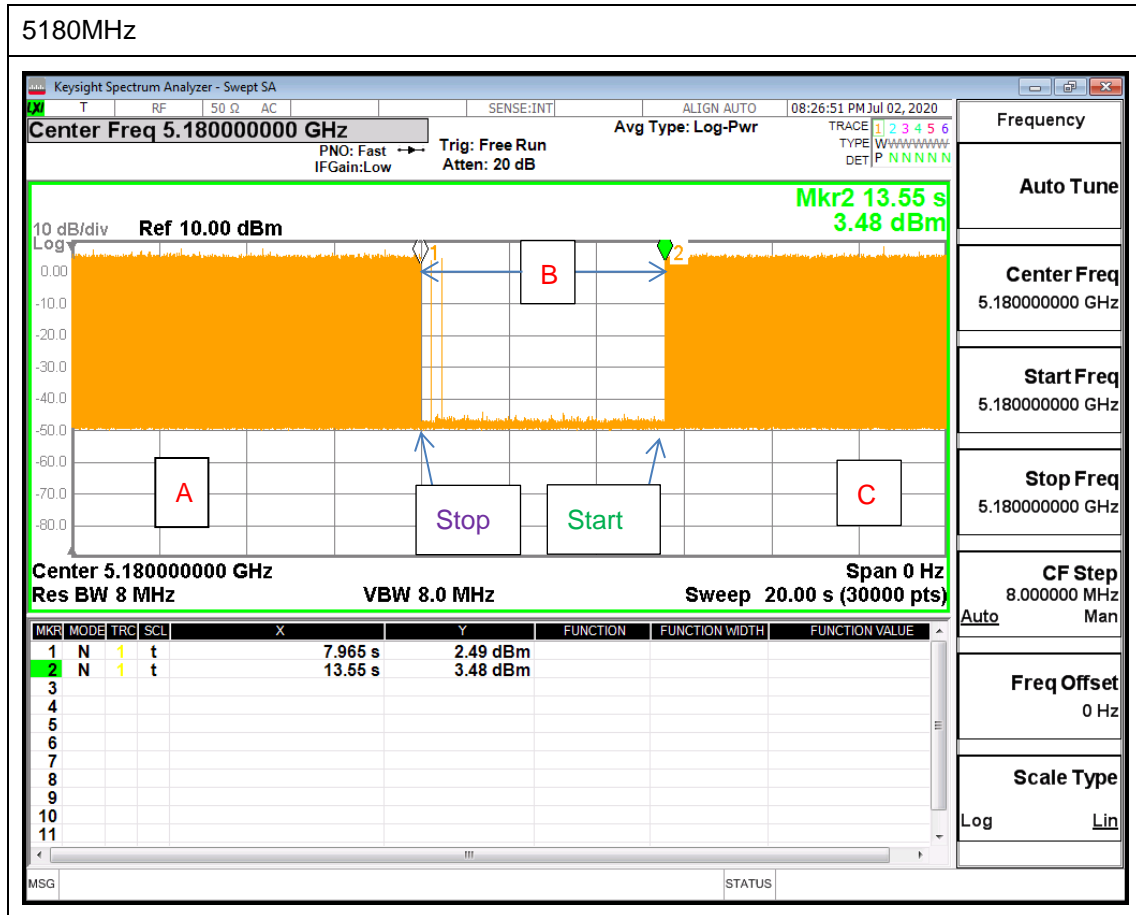
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- 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.



Note : The control / signalling 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(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 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>						
	Ant. 1	Ant. 2	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	3.53	3.56	3.56	6.56	0.00	0.56
Band II	3.28	3.56	3.56	6.43	0.00	0.43
Band III	3.38	4.32	4.32	6.87	0.00	0.87

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-H1	34893241	N/A	Mar. 02, 2020	May 26, 2020~ Jun. 18, 2020	Mar. 01, 2021	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054S NO10	10MHz~6GHz	Dec. 23, 2019	May 26, 2020~ Jun. 18, 2020	Dec. 22, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Aug. 14, 2019	May 26, 2020~ Jun. 18, 2020	Aug. 13, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC130048 4	N/A	Aug. 22, 2019	May 26, 2020~ Jun. 18, 2020	Aug. 21, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Keysight	N9010A	MY560704 12	10Hz~7GHz	Aug. 27, 2019	Jul. 02, 2020	Aug. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jun. 22, 2020	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Jun. 22, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 07, 2019	Jun. 22, 2020	Nov. 06, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 15, 2019	Jun. 22, 2020	Nov. 14, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 22, 2020	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 02, 2020	Jun. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 02, 2020	Jun. 22, 2020	Jan. 01, 2021	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Jan. 09, 2020	May 21, 2020 Jun. 18, 2020	Jan. 08, 2021	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0802N1D01N- 06	47020&06	30MHz to 1GHz	Oct. 12, 2019	May 21, 2020 Jun. 18, 2020	Oct. 11, 2020	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-152 2	1G~18GHz	Sep. 19, 2019	May 21, 2020 Jun. 18, 2020	Sep. 18, 2020	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 980	18GHz~40GHz	Jan. 10, 2020	May 21, 2020 Jun. 18, 2020	Jan. 09, 2021	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Oct. 01, 2019	May 21, 2020 Jun. 18, 2020	Sep. 30, 2020	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0055006	1GHz~18GHz	May 07, 2020	May 21, 2020 Jun. 18, 2020	May 06, 2021	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~40GHz	Dec. 13, 2019	May 21, 2020 Jun. 18, 2020	Dec. 12, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 11, 2019	May 21, 2020 Jun. 18, 2020	Dec.10, 2020	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY572901 11	3Hz~26.5GHz	Dec. 05, 2019	May 21, 2020 Jun. 18, 2020	Dec. 04, 2020	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	E4446A	MY501801 36	3Hz~44GHz	May 04, 2020	May 21, 2020 Jun. 18, 2020	May 03, 2021	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/ 4PE	NA	Aug. 30, 2019	May 21, 2020 Jun. 18, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/ 4PE	NA	Aug. 30, 2019	May 21, 2020 Jun. 18, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300 -5757	NA	Aug. 30, 2019	May 21, 2020 Jun. 18, 2020	Aug. 29, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	May 21, 2020 Jun. 18, 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% ($U = 2Uc(y)$)	2.3
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.9
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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:	Hank Hsu	Temperature:	21.3~23.7	°C
Test Date:	2020/5/26~6/18	Relative Humidity:	47.2~57.8	%

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.75	16.75	21.55	21.30	-	-	22.24	22.24	
11a	6Mbps	2	44	5220	16.75	16.75	21.40	21.50	-	-	22.24	22.24	
11a	6Mbps	2	48	5240	16.65	16.75	21.50	22.90	-	-	22.21	22.21	
HT20	MCS0	2	36	5180	17.70	17.75	21.90	21.85	-	-	22.48	22.48	
HT20	MCS0	2	44	5220	17.75	17.70	21.95	22.15	-	-	22.48	22.48	
HT20	MCS0	2	48	5240	17.70	17.70	21.95	21.90	-	-	22.48	22.48	
HT40	MCS0	2	38	5190	36.30	36.40	41.85	41.58	-	-	23.01	23.01	
HT40	MCS0	2	46	5230	36.30	36.30	41.85	41.76	-	-	23.01	23.01	
VHT80	MCS0	2	42	5210	76.32	76.56	81.44	81.28	-	-	23.01	23.01	

TEST RESULTS DATA
Average Power Table

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.90	17.20	20.06	24.00		3.56		Pass
11a	6Mbps	2	44	5220	16.80	17.20	20.01	24.00		3.56		Pass
11a	6Mbps	2	48	5240	16.90	17.10	20.01	24.00		3.56		Pass
HT20	MCS0	2	36	5180	16.50	16.70	19.61	24.00		3.56		Pass
HT20	MCS0	2	44	5220	16.70	17.10	19.91	24.00		3.56		Pass
HT20	MCS0	2	48	5240	16.70	17.00	19.86	24.00		3.56		Pass
HT40	MCS0	2	38	5190	15.80	16.10	18.96	24.00		3.56		Pass
HT40	MCS0	2	46	5230	16.70	16.90	19.81	24.00		3.56		Pass
VHT20	MCS0	2	36	5180	16.40	16.60	19.51	24.00		3.56		Pass
VHT20	MCS0	2	44	5220	16.60	17.00	19.81	24.00		3.56		Pass
VHT20	MCS0	2	48	5240	16.60	16.90	19.76	24.00		3.56		Pass
VHT40	MCS0	2	38	5190	15.70	16.00	18.86	24.00		3.56		Pass
VHT40	MCS0	2	46	5230	16.60	16.80	19.71	24.00		3.56		Pass
VHT80	MCS0	2	42	5210	14.50	14.70	17.61	24.00		3.56		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180			10.27	10.44	6.56		Pass	
11a	6Mbps	2	44	5220			10.40	10.44	6.56		Pass	
11a	6Mbps	2	48	5240			10.19	10.44	6.56		Pass	
HT20	MCS0	2	36	5180			9.82	10.44	6.56		Pass	
HT20	MCS0	2	44	5220			10.05	10.44	6.56		Pass	
HT20	MCS0	2	48	5240			10.16	10.44	6.56		Pass	
HT40	MCS0	2	38	5190			6.14	10.44	6.56		Pass	
HT40	MCS0	2	46	5230			7.14	10.44	6.56		Pass	
VHT80	MCS0	2	42	5210			1.67	10.44	6.56		Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band II MIMO															
Mod.	Data Rate	NTX	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.65	16.75	21.50	21.65	23.21		29.21		23.98		
11a	6Mbps	2	60	5300	16.70	16.80	21.50	21.50	23.23		29.23		23.98		
11a	6Mbps	2	64	5320	16.65	16.70	21.35	21.10	23.21		29.21		23.98		
HT20	MCS0	2	52	5260	17.70	17.80	23.10	22.05	23.48		29.48		23.98		
HT20	MCS0	2	60	5300	17.80	17.75	22.00	21.85	23.49		29.49		23.98		
HT20	MCS0	2	64	5320	17.80	17.80	21.75	21.65	23.50		29.50		23.98		
HT40	MCS0	2	54	5270	36.30	36.30	42.03	41.76	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.30	36.50	41.58	41.67	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.44	76.44	81.92	81.44	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	16.90	17.10	20.01	23.98	3.56	26.99	Pass		
11a	6Mbps	2	60	5300	17.00	17.10	20.06	23.98	3.56	26.99	Pass		
11a	6Mbps	2	64	5320	17.00	17.00	20.01	23.98	3.56	26.99	Pass		
HT20	MCS0	2	52	5260	16.70	17.00	19.86	23.98	3.56	26.99	Pass		
HT20	MCS0	2	60	5300	17.00	17.00	20.01	23.98	3.56	26.99	Pass		
HT20	MCS0	2	64	5320	16.40	16.40	19.41	23.98	3.56	26.99	Pass		
HT40	MCS0	2	54	5270	16.70	16.80	19.76	23.98	3.56	26.99	Pass		
HT40	MCS0	2	62	5310	15.90	16.00	18.96	23.98	3.56	26.99	Pass		
VHT20	MCS0	2	52	5260	16.60	16.90	19.76	23.98	3.56	26.99	Pass		
VHT20	MCS0	2	60	5300	16.90	16.90	19.91	23.98	3.56	26.99	Pass		
VHT20	MCS0	2	64	5320	16.30	16.30	19.31	23.98	3.56	26.99	Pass		
VHT40	MCS0	2	54	5270	16.60	16.70	19.66	23.98	3.56	26.99	Pass		
VHT40	MCS0	2	62	5310	15.80	15.90	18.86	23.98	3.56	26.99	Pass		
VHT80	MCS0	2	58	5290	14.00	14.30	17.16	23.98	3.56	26.99	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260			10.22	10.57	6.43		Pass	
11a	6Mbps	2	60	5300			10.13	10.57	6.43		Pass	
11a	6Mbps	2	64	5320			10.48	10.57	6.43		Pass	
HT20	MCS0	2	52	5260			10.16	10.57	6.43		Pass	
HT20	MCS0	2	60	5300			9.99	10.57	6.43		Pass	
HT20	MCS0	2	64	5320			9.07	10.57	6.43		Pass	
HT40	MCS0	2	54	5270			7.04	10.57	6.43		Pass	
HT40	MCS0	2	62	5310			6.43	10.57	6.43		Pass	
VHT80	MCS0	2	58	5290			1.03	10.57	6.43		Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band III MIMO																
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.60	16.60	21.25	21.40	23.20	23.20	29.20	29.20	23.98	----	----	
11a	6Mbps	2	116	5580	16.50	16.60	21.50	21.55	23.17	23.17	29.17	29.17	23.98	----	----	
11a	6Mbps	2	140	5700	16.60	16.65	21.50	21.50	23.20	23.20	29.20	29.20	23.98	----	----	
HT20	MCS0	2	100	5500	17.75	17.75	21.75	21.70	23.49	23.49	29.49	29.49	23.98	----	----	
HT20	MCS0	2	116	5580	17.70	17.70	21.90	21.90	23.48	23.48	29.48	29.48	23.98	----	----	
HT20	MCS0	2	140	5700	17.70	17.75	21.70	21.85	23.48	23.48	29.48	29.48	23.98	----	----	
HT40	MCS0	2	102	5510	36.20	36.30	41.67	41.94	23.98	23.98	30.00	30.00	23.98	----	----	
HT40	MCS0	2	110	5550	36.30	36.30	42.03	42.03	23.98	23.98	30.00	30.00	23.98	----	----	
HT40	MCS0	2	134	5670	36.30	36.30	41.94	41.67	23.98	23.98	30.00	30.00	23.98	----	----	
VHT80	MCS0	2	106	5530	76.56	76.56	81.44	81.60	23.98	23.98	30.00	30.00	23.98	----	----	
VHT80	MCS0	2	122	5610	76.68	76.56	81.28	81.76	23.98	23.98	30.00	30.00	23.98	----	----	

Band III straddle channel MIMO																
Mod.	Data Rate	NTx	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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.40	13.40	15.80	15.85	22.27	22.27	28.27	28.27	22.99	3.15	3.15	
HT20	MCS0	2	144	5720	13.85	13.90	16.00	16.10	22.41	22.41	28.41	28.41	23.04	3.75	3.75	
HT40	MCS0	2	142	5710	33.10	33.20	35.88	35.97	23.98	23.98	30.00	30.00	23.98	3.09	3.09	
VHT80	MCS0	2	138	5690	73.28	73.40	75.64	75.80	23.98	23.98	30.00	30.00	23.98	3.08	3.08	

TEST RESULTS DATA
Average Power Table

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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	16.00	15.90	18.96	23.98		4.32		26.99	Pass
11a	6Mbps	2	116	5580	16.00	15.90	18.96	23.98		4.32		26.99	Pass
11a	6Mbps	2	140	5700	14.30	13.80	17.07	23.98		4.32		26.99	Pass
HT20	MCS0	2	100	5500	16.70	16.30	19.51	23.98		4.32		26.99	Pass
HT20	MCS0	2	116	5580	16.60	16.40	19.51	23.98		4.32		26.99	Pass
HT20	MCS0	2	140	5700	13.70	13.50	16.61	23.98		4.32		26.99	Pass
HT40	MCS0	2	102	5510	15.50	15.30	18.41	23.98		4.32		26.99	Pass
HT40	MCS0	2	110	5550	16.50	16.10	19.31	23.98		4.32		26.99	Pass
HT40	MCS0	2	134	5670	16.00	15.50	18.77	23.98		4.32		26.99	Pass
VHT20	MCS0	2	100	5500	16.60	16.20	19.41	23.98		4.32		26.99	Pass
VHT20	MCS0	2	116	5580	16.50	16.30	19.41	23.98		4.32		26.99	Pass
VHT20	MCS0	2	140	5700	13.60	13.40	16.51	23.98		4.32		26.99	Pass
VHT40	MCS0	2	102	5510	15.40	15.20	18.31	23.98		4.32		26.99	Pass
VHT40	MCS0	2	110	5550	16.40	16.00	19.21	23.98		4.32		26.99	Pass
VHT40	MCS0	2	134	5670	15.80	15.30	18.57	23.98		4.32		26.99	Pass
VHT80	MCS0	2	106	5530	13.80	13.70	16.76	23.98		4.32		26.99	Pass
VHT80	MCS0	2	122	5610	16.20	16.00	19.11	23.98		4.32		26.99	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	16.70	16.30	19.51	22.99		4.32		26.99	Pass
HT20	MCS0	2	144	5720	16.60	16.30	19.46	23.04		4.32		26.99	Pass
HT40	MCS0	2	142	5710	16.40	16.10	19.26	23.98		4.32		26.99	Pass
VHT20	MCS0	2	144	5720	16.50	16.20	19.36	23.98		4.32		26.99	Pass
VHT40	MCS0	2	142	5710	16.30	16.00	19.16	23.98		4.32		26.99	Pass
VHT80	MCS0	2	138	5690	16.20	16.00	19.11	23.98		4.32		26.99	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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500			9.92	10.13	6.87		Pass	
11a	6Mbps	2	116	5580			9.43	10.13	6.87		Pass	
11a	6Mbps	2	140	5700			10.08	10.13	6.87		Pass	
HT20	MCS0	2	100	5500			9.78	10.13	6.87		Pass	
HT20	MCS0	2	116	5580			9.83	10.13	6.87		Pass	
HT20	MCS0	2	140	5700			6.56	10.13	6.87		Pass	
HT40	MCS0	2	102	5510			6.07	10.13	6.87		Pass	
HT40	MCS0	2	110	5550			6.90	10.13	6.87		Pass	
HT40	MCS0	2	134	5670			7.06	10.13	6.87		Pass	
VHT80	MCS0	2	106	5530			1.17	10.13	6.87		Pass	
VHT80	MCS0	2	122	5610			3.54	10.13	6.87		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 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	144	5720			9.92	10.13	6.87		Pass	
HT20	MCS0	2	144	5720			9.62	10.13	6.87		Pass	
HT40	MCS0	2	142	5710			6.67	10.13	6.87		Pass	
VHT80	MCS0	2	138	5690			3.20	10.13	6.87		Pass	



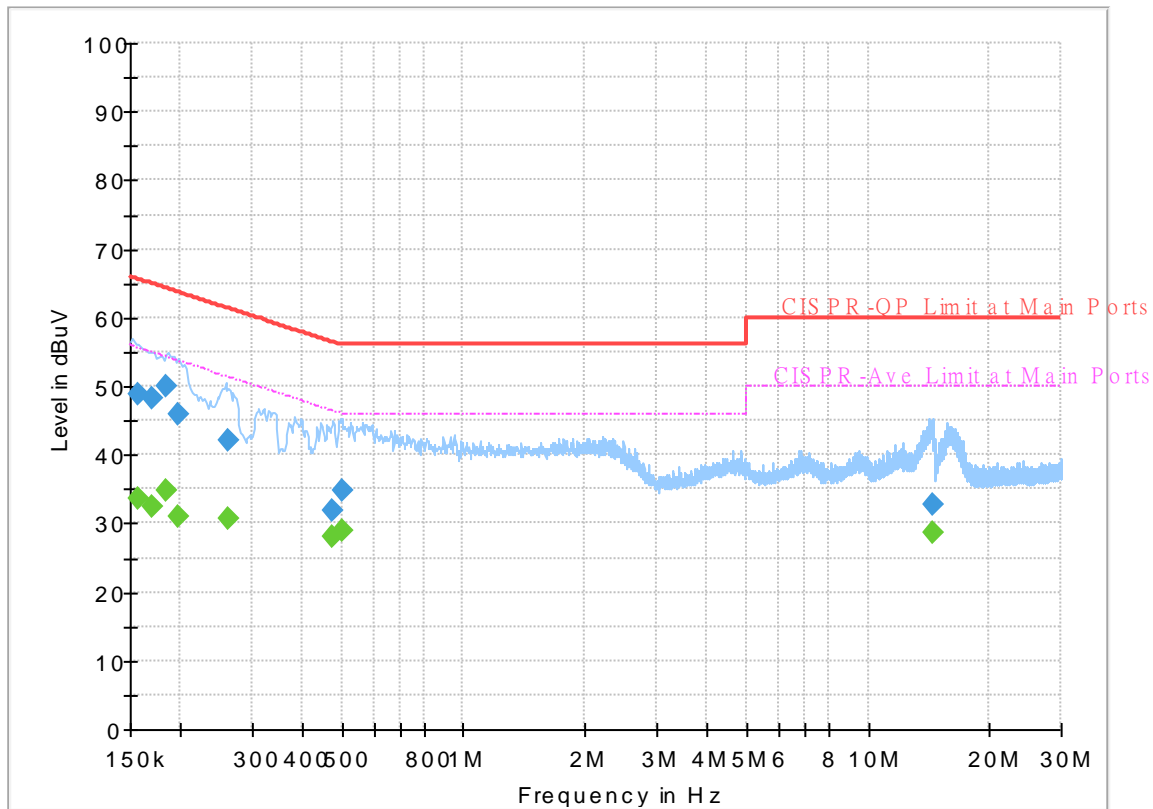
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	Temperature :	22~25°C
		Relative Humidity :	42~50%

EUT Information

Report NO : 020110-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



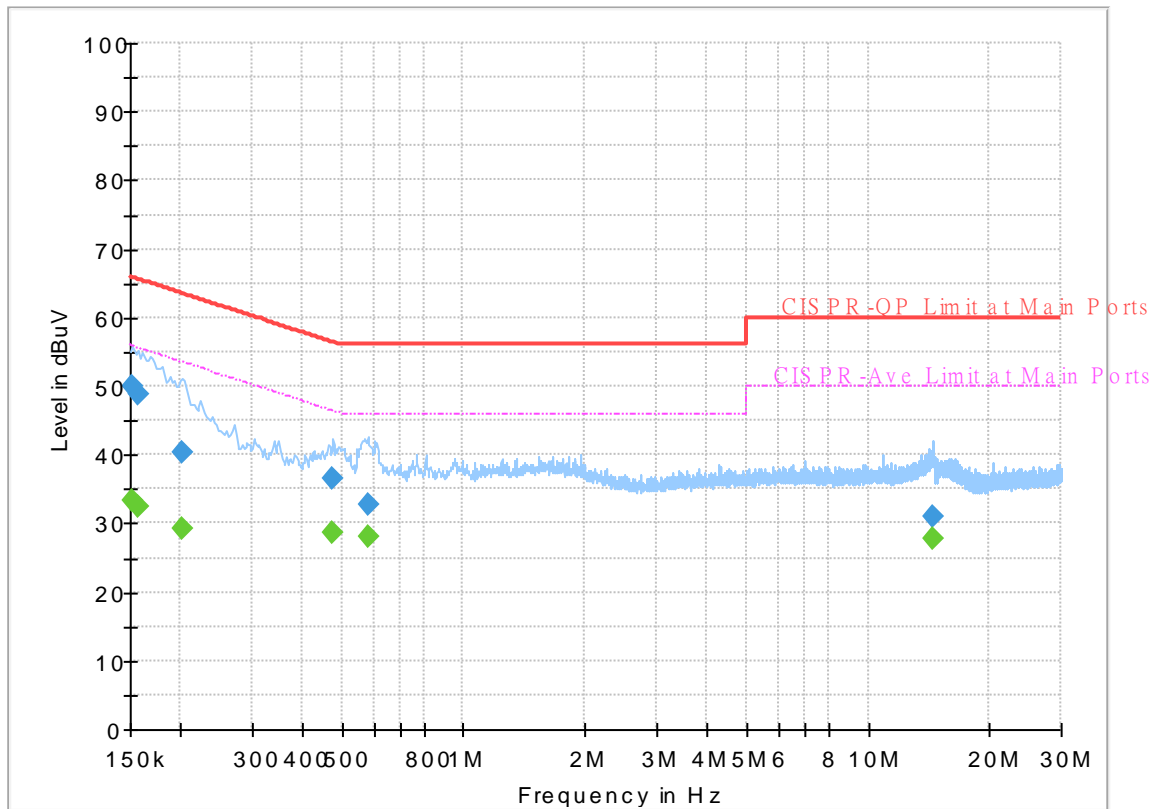
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	33.55	55.63	22.08	L1	OFF	19.6
0.156750	48.82	---	65.63	16.81	L1	OFF	19.6
0.169190	---	32.45	55.00	22.55	L1	OFF	19.6
0.169190	48.24	---	65.00	16.76	L1	OFF	19.6
0.183750	---	34.69	54.31	19.62	L1	OFF	19.6
0.183750	49.92	---	64.31	14.39	L1	OFF	19.6
0.197250	---	31.02	53.73	22.71	L1	OFF	19.6
0.197250	45.88	---	63.73	17.85	L1	OFF	19.6
0.262500	---	30.85	51.35	20.50	L1	OFF	19.6
0.262500	42.17	---	61.35	19.18	L1	OFF	19.6
0.471750	---	28.00	46.48	18.48	L1	OFF	19.6
0.471750	32.01	---	56.48	24.47	L1	OFF	19.6
0.503250	---	28.82	46.00	17.18	L1	OFF	19.6
0.503250	34.92	---	56.00	21.08	L1	OFF	19.6
14.408250	---	28.61	50.00	21.39	L1	OFF	20.2
14.408250	32.88	---	60.00	27.12	L1	OFF	20.2

EUT Information

Report NO : 020110-01
 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)
0.152250	---	33.40	55.88	22.48	N	OFF	19.5
0.152250	49.88	---	65.88	16.00	N	OFF	19.5
0.156750	---	32.47	55.63	23.16	N	OFF	19.5
0.156750	48.84	---	65.63	16.79	N	OFF	19.5
0.201660	---	29.26	53.54	24.28	N	OFF	19.5
0.201660	40.43	---	63.54	23.11	N	OFF	19.5
0.471750	---	28.62	46.48	17.86	N	OFF	19.5
0.471750	36.54	---	56.48	19.94	N	OFF	19.5
0.582990	---	27.93	46.00	18.07	N	OFF	19.5
0.582990	32.64	---	56.00	23.36	N	OFF	19.5
14.449920	---	27.74	50.00	22.26	N	OFF	19.9
14.449920	31.08	---	60.00	28.92	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou, Andy Yang and CR Liao	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.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.68	64.22	-9.78	74	49.05	31.7	12.32	28.85	378	123	P	H
		5150.02	51.43	-98.57	150	36.26	31.7	12.32	28.85	378	123	A	H
	*	5180	113.04	-	-	97.97	31.58	12.36	28.87	378	123	P	H
	*	5180	104.68	-	-	89.61	31.58	12.36	28.87	378	123	A	H
		5148.98	62.71	-11.29	74	47.54	31.7	12.32	28.85	230	167	P	V
		5150	53.28	-0.72	54	38.11	31.7	12.32	28.85	230	167	A	V
	*	5180	115.4	-	-	100.33	31.58	12.36	28.87	230	167	P	V
	*	5180	107.34	-	-	92.27	31.58	12.36	28.87	230	167	A	V
802.11a CH 44 5220MHz		5130.52	56.08	-17.92	74	40.88	31.74	12.3	28.84	260	111	P	H
		5149.24	44.4	-9.6	54	29.23	31.7	12.32	28.85	260	111	A	H
	*	5220	112.87	-	-	97.94	31.42	12.41	28.9	260	111	P	H
	*	5220	105.01	-	-	90.08	31.42	12.41	28.9	260	111	A	H
		5441.8	53.62	-20.38	74	38.43	31.57	12.66	29.04	260	111	P	H
		5350.24	42.04	-11.96	54	27.29	31.2	12.53	28.98	260	111	A	H
		5141.7	55.43	-18.57	74	40.24	31.72	12.31	28.84	188	134	P	V
		5141.96	44.51	-9.49	54	29.32	31.72	12.31	28.84	188	134	A	V
	*	5220	114.38	-	-	99.45	31.42	12.41	28.9	188	134	P	V
	*	5220	106.39	-	-	91.46	31.42	12.41	28.9	188	134	A	V
		5402.04	54.26	-19.74	74	39.29	31.41	12.58	29.02	188	134	P	V
		5350.24	43	-11	54	28.25	31.2	12.53	28.98	188	134	A	V



802.11a CH 48 5240MHz		5129.22	55.22	-18.78	74	40.03	31.74	12.29	28.84	265	113	P	H
		5150	43.97	-10.03	54	28.8	31.7	12.32	28.85	265	113	A	H
	*	5240	113.37	-	-	98.51	31.34	12.43	28.91	265	113	P	H
	*	5240	105.71	-	-	90.85	31.34	12.43	28.91	265	113	A	H
		5445.44	53.33	-20.67	74	38.12	31.58	12.67	29.04	265	113	P	H
		5351.64	42.73	-11.27	54	27.97	31.21	12.53	28.98	265	113	A	H
		5144.82	55.69	-18.31	74	40.51	31.71	12.32	28.85	177	136	P	V
		5136.5	44.18	-9.82	54	28.99	31.73	12.3	28.84	177	136	A	V
	*	5240	113.85	-	-	98.99	31.34	12.43	28.91	177	136	P	V
	*	5240	105.97	-	-	91.11	31.34	12.43	28.91	177	136	A	V
		5359.76	53.58	-20.42	74	38.79	31.24	12.54	28.99	177	136	P	V
		5351.64	43.53	-10.47	54	28.77	31.21	12.53	28.98	177	136	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. 1+2	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	55.48	-12.72	68.2	57.57	39.64	19.17	60.9	100	0	P	H
		15540	49	-25	74	49.39	37.94	24.38	62.71	100	0	P	H
		10360	57.06	-11.14	68.2	59.15	39.64	19.17	60.9	100	0	P	V
		15540	49.8	-24.2	74	50.19	37.94	24.38	62.71	100	0	P	V
802.11a CH 44 5220MHz		10440	55.17	-13.03	68.2	57.02	39.88	19.29	61.02	100	0	P	H
		15660	49.51	-24.49	74	49.8	37.46	24.38	62.13	100	0	P	H
		10440	55.1	-13.1	68.2	56.95	39.88	19.29	61.02	100	0	P	V
		15660	49.52	-24.48	74	49.81	37.46	24.38	62.13	100	0	P	V
802.11a CH 48 5240MHz		10480	52.99	-15.21	68.2	54.75	39.96	19.35	61.07	100	0	P	H
		15720	49.26	-24.74	74	49.43	37.3	24.37	61.84	100	0	P	H
		10480	53.72	-14.48	68.2	55.48	39.96	19.35	61.07	100	0	P	V
		15720	48.96	-25.04	74	49.13	37.3	24.37	61.84	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. 1+2	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		5148.72	56.36	-17.64	74	41.19	31.7	12.32	28.85	376	125	P	H
		5150	46.79	-7.21	54	31.62	31.7	12.32	28.85	376	125	A	H
	*	5180	112.94	-	-	97.87	31.58	12.36	28.87	376	125	P	H
	*	5180	104.82	-	-	89.75	31.58	12.36	28.87	376	125	A	H
		5145.6	61.33	-12.67	74	46.15	31.71	12.32	28.85	229	167	P	V
		5150	48.84	-5.16	54	33.67	31.7	12.32	28.85	229	167	A	V
	*	5180	115	-	-	99.93	31.58	12.36	28.87	229	167	P	V
	5180	107.56	-	-	92.49	31.58	12.36	28.87	229	167	A	V	
802.11n HT20 CH 44 5220MHz		5093.08	55.62	-18.38	74	40.39	31.79	12.25	28.81	260	114	P	H
		5150	44.29	-9.71	54	29.12	31.7	12.32	28.85	260	114	A	H
	*	5220	112.47	-	-	97.54	31.42	12.41	28.9	260	114	P	H
	*	5220	104.99	-	-	90.06	31.42	12.41	28.9	260	114	A	H
		5413.8	52.89	-21.11	74	37.84	31.46	12.61	29.02	260	114	P	H
		5350	42.06	-11.94	54	27.31	31.2	12.53	28.98	260	114	A	H
		5120.38	55.6	-18.4	74	40.39	31.76	12.28	28.83	189	134	P	V
		5150	44.79	-9.21	54	29.62	31.7	12.32	28.85	189	134	A	V
	*	5220	114.57	-	-	99.64	31.42	12.41	28.9	189	134	P	V
	*	5220	106.48	-	-	91.55	31.42	12.41	28.9	189	134	A	V
		5382.72	53.5	-20.5	74	38.61	31.33	12.56	29	189	134	P	V
	5350	43.33	-10.67	54	28.58	31.2	12.53	28.98	189	134	A	V	



802.11n HT20 CH 48 5240MHz		5091	54.46	-19.54	74	39.25	31.78	12.24	28.81	262	113	P	H
		5149.76	43.78	-10.22	54	28.61	31.7	12.32	28.85	262	113	A	H
	*	5240	112.62	-	-	97.76	31.34	12.43	28.91	262	113	P	H
	*	5240	105.1	-	-	90.24	31.34	12.43	28.91	262	113	A	H
		5415.76	53.66	-20.34	74	38.61	31.46	12.61	29.02	262	113	P	H
		5351.92	42.63	-11.37	54	27.87	31.21	12.53	28.98	262	113	A	H
		5140.66	54.02	-19.98	74	38.83	31.72	12.31	28.84	200	114	P	V
		5149.5	43.68	-10.32	54	28.51	31.7	12.32	28.85	200	114	A	V
	*	5240	112.83	-	-	97.97	31.34	12.43	28.91	200	114	P	V
	*	5240	105.06	-	-	90.2	31.34	12.43	28.91	200	114	A	V
		5358.92	53.04	-20.96	74	38.25	31.24	12.54	28.99	200	114	P	V
		5351.64	43.32	-10.68	54	28.56	31.21	12.53	28.98	200	114	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. 1+2	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		10360	53.81	-14.39	68.2	55.9	39.64	19.17	60.9	100	0	P	H
		15540	49.81	-24.19	74	50.2	37.94	24.38	62.71	100	0	P	H
5180MHz		10360	55.33	-12.87	68.2	57.42	39.64	19.17	60.9	100	0	P	V
		15540	49.7	-24.3	74	50.09	37.94	24.38	62.71	100	0	P	V
802.11n HT20 CH 44		10440	52.49	-15.71	68.2	54.34	39.88	19.29	61.02	100	0	P	H
		15660	49.24	-24.76	74	49.53	37.46	24.38	62.13	100	0	P	H
		10440	52.7	-15.5	68.2	54.55	39.88	19.29	61.02	100	0	P	V
		15660	49.91	-24.09	74	50.2	37.46	24.38	62.13	100	0	P	V
802.11n HT20 CH 48		10480	53.07	-15.13	68.2	54.83	39.96	19.35	61.07	100	0	P	H
		15720	49.65	-24.35	74	49.82	37.3	24.37	61.84	100	0	P	H
		10480	55.56	-12.64	68.2	57.32	39.96	19.35	61.07	100	0	P	V
		15720	49.09	-24.91	74	49.26	37.3	24.37	61.84	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. 1+2	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		5149.76	58.86	-15.14	74	43.69	31.7	12.32	28.85	215	117	P	H
		5149.24	49.39	-4.61	54	34.22	31.7	12.32	28.85	215	117	A	H
	*	5190	109.03	-	-	93.99	31.54	12.38	28.88	215	117	P	H
	*	5190	101.12	-	-	86.08	31.54	12.38	28.88	215	117	A	H
		5368.44	53.78	-20.22	74	38.95	31.27	12.55	28.99	215	117	P	H
		5350	41.99	-12.01	54	27.24	31.2	12.53	28.98	215	117	A	H
		5141.7	60.65	-13.35	74	45.46	31.72	12.31	28.84	195	129	P	V
		5149.5	51.55	-2.45	54	36.38	31.7	12.32	28.85	195	129	A	V
	*	5190	111.38	-	-	96.34	31.54	12.38	28.88	195	129	P	V
	*	5190	102.95	-	-	87.91	31.54	12.38	28.88	195	129	A	V
		5421.36	53.93	-20.07	74	38.85	31.49	12.62	29.03	195	129	P	V
		5351.08	42.69	-11.31	54	27.94	31.2	12.53	28.98	195	129	A	V
802.11n HT40 CH 46 5230MHz		5148.2	54.93	-19.07	74	39.76	31.7	12.32	28.85	255	110	P	H
		5150	45.26	-8.74	54	30.09	31.7	12.32	28.85	255	110	A	H
	*	5230	109.56	-	-	94.66	31.38	12.42	28.9	255	110	P	H
	*	5230	101.87	-	-	86.97	31.38	12.42	28.9	255	110	A	H
		5379.64	53.56	-20.44	74	38.68	31.32	12.56	29	255	110	P	H
		5350.52	42.18	-11.82	54	27.43	31.2	12.53	28.98	255	110	A	H
		5140.92	55.97	-18.03	74	40.78	31.72	12.31	28.84	200	135	P	V
		5149.76	45.86	-8.14	54	30.69	31.7	12.32	28.85	200	135	A	V
	*	5230	110.62	-	-	95.72	31.38	12.42	28.9	200	135	P	V
	*	5230	102.59	-	-	87.69	31.38	12.42	28.9	200	135	A	V
	5375.72	54.53	-19.47	74	39.67	31.3	12.56	29	200	135	P	V	
	5350	43.29	-10.71	54	28.54	31.2	12.53	28.98	200	135	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)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include data for 802.11n HT40 CH 38 (5190MHz) and 802.11n HT40 CH 46 (5230MHz).

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. 1+2	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		5149.24	58.27	-15.73	74	43.1	31.7	12.32	28.85	392	123	P	H
		5149.76	49.48	-4.52	54	34.31	31.7	12.32	28.85	392	123	A	H
	*	5210	106.12	-	-	91.15	31.46	12.4	28.89	392	123	P	H
	*	5210	97.37	-	-	82.4	31.46	12.4	28.89	392	123	A	H
		5365.36	54.11	-19.89	74	39.29	31.26	12.55	28.99	392	123	P	H
		5350	42.44	-11.56	54	27.69	31.2	12.53	28.98	392	123	A	H
		5148.72	61.47	-12.53	74	46.3	31.7	12.32	28.85	213	166	P	V
		5150	53.34	-0.66	54	38.17	31.7	12.32	28.85	213	166	A	V
	*	5210	107.02	-	-	92.05	31.46	12.4	28.89	213	166	P	V
	*	5210	99.65	-	-	84.68	31.46	12.4	28.89	213	166	A	V
		5358.36	54.54	-19.46	74	39.76	31.23	12.54	28.99	213	166	P	V
	5350.24	43.02	-10.98	54	28.27	31.2	12.53	28.98	213	166	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. 1+2	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	50.4	-17.8	68.2	52.29	39.84	19.26	60.99	100	0	P	H
VHT80		15630	48.92	-25.08	74	49.25	37.58	24.37	62.28	100	0	P	H
CH 42		10420	51.08	-17.12	68.2	52.97	39.84	19.26	60.99	100	0	P	V
5210MHz		15630	49.34	-24.66	74	49.67	37.58	24.37	62.28	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 Ant. 1+2	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		5097.24	53.74	-20.26	74	38.51	31.79	12.25	28.81	261	113	P	H
		5148.24	43.2	-10.8	54	28.03	31.7	12.32	28.85	261	113	A	H
	*	5260	113.08	-	-	98.25	31.3	12.45	28.92	261	113	P	H
	*	5260	105.67	-	-	90.84	31.3	12.45	28.92	261	113	A	H
		5368.08	54.69	-19.31	74	39.86	31.27	12.55	28.99	261	113	P	H
		5350.8	42.76	-11.24	54	28.01	31.2	12.53	28.98	261	113	A	H
		5145.52	54.2	-19.8	74	39.02	31.71	12.32	28.85	195	112	P	V
		5147.56	42.96	-11.04	54	27.79	31.7	12.32	28.85	195	112	A	V
	*	5260	113.19	-	-	98.36	31.3	12.45	28.92	195	112	P	V
	*	5260	105.78	-	-	90.95	31.3	12.45	28.92	195	112	A	V
		5360.88	54.32	-19.68	74	39.53	31.24	12.54	28.99	195	112	P	V
		5363.28	43.13	-10.87	54	28.32	31.25	12.55	28.99	195	112	A	V
802.11a CH 60 5300MHz		5038.42	53.58	-20.42	74	38.54	31.65	12.17	28.78	256	113	P	H
		5147.9	42.74	-11.26	54	27.57	31.7	12.32	28.85	256	113	A	H
	*	5300	113.3	-	-	98.46	31.3	12.49	28.95	256	113	P	H
	*	5300	105.19	-	-	90.35	31.3	12.49	28.95	256	113	A	H
		5399.28	54.65	-19.35	74	39.68	31.4	12.58	29.01	256	113	P	H
		5350.32	44.04	-9.96	54	29.29	31.2	12.53	28.98	256	113	A	H
		5108.8	53.96	-20.04	74	38.73	31.78	12.27	28.82	202	116	P	V
		5149.94	42.72	-11.28	54	27.55	31.7	12.32	28.85	202	116	A	V
	*	5300	113.46	-	-	98.62	31.3	12.49	28.95	202	116	P	V
	*	5300	105.63	-	-	90.79	31.3	12.49	28.95	202	116	A	V
		5352.48	55.09	-18.91	74	40.33	31.21	12.53	28.98	202	116	P	V
		5350.08	45.01	-8.99	54	30.26	31.2	12.53	28.98	202	116	A	V



802.11a CH 64 5320MHz	*	5320	113.56	-	-	98.76	31.26	12.5	28.96	388	130	P	H
	*	5320	106.31	-	-	91.51	31.26	12.5	28.96	388	130	A	H
		5350.24	60.57	-13.43	74	45.82	31.2	12.53	28.98	388	130	P	H
		5350.08	50.61	-3.39	54	35.86	31.2	12.53	28.98	388	130	A	H
	*	5320	115.66	-	-	100.86	31.26	12.5	28.96	210	171	P	V
	*	5320	107.48	-	-	92.68	31.26	12.5	28.96	210	171	A	V
		5352.48	63.88	-10.12	74	49.12	31.21	12.53	28.98	210	171	P	V
		5350.08	52.55	-1.45	54	37.8	31.2	12.53	28.98	210	171	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. 1+2	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	53.29	-14.91	68.2	54.97	40	19.42	61.1	100	0	P	H
		15780	48.12	-25.88	74	48.01	37.3	24.37	61.56	100	0	P	H
		10520	56.82	-11.38	68.2	58.5	40	19.42	61.1	100	0	P	V
		15780	48.59	-25.41	74	48.48	37.3	24.37	61.56	100	0	P	V
802.11a CH 60 5300MHz		10600	55.54	-18.46	74	57.1	40	19.54	61.1	200	156	P	H
		10600	44.09	-9.91	54	45.65	40	19.54	61.1	200	156	A	H
		15900	49.29	-24.71	74	48.81	37.1	24.36	60.98	100	0	P	H
		10600	56.98	-17.02	74	58.54	40	19.54	61.1	100	170	P	V
		10600	45.72	-8.28	54	47.28	40	19.54	61.1	100	170	A	V
		15900	48.75	-25.25	74	48.27	37.1	24.36	60.98	100	0	P	V
802.11a CH 64 5320MHz		10640	58.78	-15.22	74	60.28	40	19.6	61.1	189	115	P	H
		10640	46.57	-7.43	54	48.07	40	19.6	61.1	189	115	A	H
		15960	48.38	-25.62	74	47.67	37.04	24.36	60.69	100	0	P	H
		10640	57.41	-16.59	74	58.91	40	19.6	61.1	100	163	P	V
		10640	46.4	-7.6	54	47.9	40	19.6	61.1	100	163	A	V
		15960	49.66	-24.34	74	48.95	37.04	24.36	60.69	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. 1+2	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		5137.02	54.89	-19.11	74	39.7	31.73	12.3	28.84	375	125	P	H
		5148.58	43.69	-10.31	54	28.52	31.7	12.32	28.85	375	125	A	H
	*	5260	114.19	-	-	99.36	31.3	12.45	28.92	375	125	P	H
	*	5260	106.5	-	-	91.67	31.3	12.45	28.92	375	125	A	H
		5358.96	54.62	-19.38	74	39.83	31.24	12.54	28.99	375	125	P	H
		5359.92	43.06	-10.94	54	28.27	31.24	12.54	28.99	375	125	A	H
		5104.04	54.51	-19.49	74	39.28	31.79	12.26	28.82	218	169	P	V
		5148.58	44.11	-9.89	54	28.94	31.7	12.32	28.85	218	169	A	V
	*	5260	115.2	-	-	100.37	31.3	12.45	28.92	218	169	P	V
	*	5260	107.98	-	-	93.15	31.3	12.45	28.92	218	169	A	V
		5423.52	54.82	-19.18	74	39.74	31.49	12.62	29.03	218	169	P	V
		5350.32	43.6	-10.4	54	28.85	31.2	12.53	28.98	218	169	A	V
802.11n HT20 CH 60 5300MHz		5066.98	53.71	-20.29	74	38.56	31.73	12.21	28.79	370	128	P	H
		5149.6	42.94	-11.06	54	27.77	31.7	12.32	28.85	370	128	A	H
	*	5300	114.6	-	-	99.76	31.3	12.49	28.95	370	128	P	H
	*	5300	106.85	-	-	92.01	31.3	12.49	28.95	370	128	A	H
		5422.56	55.22	-18.78	74	40.14	31.49	12.62	29.03	370	128	P	H
		5350.56	44.08	-9.92	54	29.33	31.2	12.53	28.98	370	128	A	H
		5038.76	54.57	-19.43	74	39.52	31.66	12.17	28.78	222	171	P	V
		5147.22	43.29	-10.71	54	28.11	31.71	12.32	28.85	222	171	A	V
	*	5300	114.91	-	-	100.07	31.3	12.49	28.95	222	171	P	V
	*	5300	107.65	-	-	92.81	31.3	12.49	28.95	222	171	A	V
	5400.96	55.9	-18.1	74	40.93	31.4	12.58	29.01	222	171	P	V	
	5350.32	45.58	-8.42	54	30.83	31.2	12.53	28.98	222	171	A	V	



802.11n HT20 CH 64 5320MHz	*	5320	112.74	-	-	97.94	31.26	12.5	28.96	246	140	P	H
	*	5320	105.39	-	-	90.59	31.26	12.5	28.96	246	140	A	H
		5351.68	55.96	-18.04	74	41.2	31.21	12.53	28.98	246	140	P	H
		5350.08	46.31	-7.69	54	31.56	31.2	12.53	28.98	246	140	A	H
	*	5320	115.33	-	-	100.53	31.26	12.5	28.96	204	132	P	V
	*	5320	108.09	-	-	93.29	31.26	12.5	28.96	204	132	A	V
		5353.6	60.9	-13.1	74	46.13	31.21	12.54	28.98	204	132	P	V
		5350.08	49.05	-4.95	54	34.3	31.2	12.53	28.98	204	132	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. 1+2	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		10520	52.64	-15.56	68.2	54.32	40	19.42	61.1	100	0	P	H
		15780	49.09	-24.91	74	48.98	37.3	24.37	61.56	100	0	P	H
5260MHz CH 52		10520	53.95	-14.25	68.2	55.63	40	19.42	61.1	100	0	P	V
		15780	49.3	-24.7	74	49.19	37.3	24.37	61.56	100	0	P	V
802.11n HT20 CH 60 5300MHz		10600	54.16	-19.84	74	55.72	40	19.54	61.1	194	155	P	H
		10600	43.53	-10.47	54	45.09	40	19.54	61.1	194	155	A	H
		15900	47.39	-26.61	74	46.91	37.1	24.36	60.98	100	0	P	H
		10600	56.39	-17.61	74	57.95	40	19.54	61.1	100	171	P	V
		10600	45.18	-8.82	54	46.74	40	19.54	61.1	100	171	A	V
		15900	48.27	-25.73	74	47.79	37.1	24.36	60.98	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	57.05	-16.95	74	58.55	40	19.6	61.1	189	115	P	H
		10640	45.75	-8.25	54	47.25	40	19.6	61.1	189	115	A	H
		15960	48.76	-25.24	74	48.05	37.04	24.36	60.69	100	0	P	H
		10640	56.43	-17.57	74	57.93	40	19.6	61.1	100	162	P	V
		10640	45.69	-8.31	54	47.19	40	19.6	61.1	100	162	A	V
			15960	48.7	-25.3	74	47.99	37.04	24.36	60.69	100	0	P
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. 1+2	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		5057.12	53.62	-20.38	74	38.5	31.71	12.2	28.79	376	127	P	H
		5149.26	43.34	-10.66	54	28.17	31.7	12.32	28.85	376	127	A	H
	*	5270	111.72	-	-	96.89	31.3	12.46	28.93	376	127	P	H
	*	5270	103.98	-	-	89.15	31.3	12.46	28.93	376	127	A	H
		5353.68	55.09	-18.91	74	40.32	31.21	12.54	28.98	376	127	P	H
		5350.08	44.74	-9.26	54	29.99	31.2	12.53	28.98	376	127	A	H
		5106.76	53.78	-20.22	74	38.55	31.79	12.26	28.82	209	169	P	V
		5149.94	43.85	-10.15	54	28.68	31.7	12.32	28.85	209	169	A	V
	*	5270	113.16	-	-	98.33	31.3	12.46	28.93	209	169	P	V
	*	5270	104.98	-	-	90.15	31.3	12.46	28.93	209	169	A	V
		5352.96	56.14	-17.86	74	41.37	31.21	12.54	28.98	209	169	P	V
		5350.08	45.8	-8.2	54	31.05	31.2	12.53	28.98	209	169	A	V
802.11n HT40 CH 62 5310MHz		5050.32	53.68	-20.32	74	38.57	31.7	12.19	28.78	233	142	P	H
		5148.58	42.73	-11.27	54	27.56	31.7	12.32	28.85	233	142	A	H
	*	5310	109.35	-	-	94.53	31.28	12.49	28.95	233	142	P	H
	*	5310	101.13	-	-	86.31	31.28	12.49	28.95	233	142	A	H
		5350.56	57.95	-16.05	74	43.2	31.2	12.53	28.98	233	142	P	H
		5350.56	49	-5	54	34.25	31.2	12.53	28.98	233	142	A	H
		5084.32	54.75	-19.25	74	39.56	31.77	12.23	28.81	190	172	P	V
		5147.9	43.21	-10.79	54	28.04	31.7	12.32	28.85	190	172	A	V
	*	5310	111.91	-	-	97.09	31.28	12.49	28.95	190	172	P	V
	*	5310	103.56	-	-	88.74	31.28	12.49	28.95	190	172	A	V
	5350.08	62.31	-11.69	74	47.56	31.2	12.53	28.98	190	172	P	V	
	5350.08	52.72	-1.28	54	37.97	31.2	12.53	28.98	190	172	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. 1+2	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		10540	52.15	-16.05	68.2	53.8	40	19.45	61.1	100	0	P	H
		15810	49.04	-24.96	74	48.8	37.28	24.37	61.41	100	0	P	H
CH 54 5270MHz		10540	54.56	-13.64	68.2	56.21	40	19.45	61.1	100	0	P	V
		15810	48.05	-25.95	74	47.81	37.28	24.37	61.41	100	0	P	V
802.11n HT40		10620	54	-20	74	55.53	40	19.57	61.1	187	116	P	H
		10620	43.46	-10.54	54	44.99	40	19.57	61.1	187	116	A	H
CH 62 5310MHz		15930	47.67	-26.33	74	47.07	37.07	24.37	60.84	100	0	P	H
		10620	53.88	-20.12	74	55.41	40	19.57	61.1	100	164	P	V
		10620	43.43	-10.57	54	44.96	40	19.57	61.1	100	164	A	V
		15930	48.85	-25.15	74	48.25	37.07	24.37	60.84	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. 1+2	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		5097.24	53.96	-20.04	74	38.73	31.79	12.25	28.81	400	126	P	H
		5149.94	42.73	-11.27	54	27.56	31.7	12.32	28.85	400	126	A	H
	*	5290	104.78	-	-	89.94	31.3	12.48	28.94	400	126	P	H
	*	5290	96.49	-	-	81.65	31.3	12.48	28.94	400	126	A	H
		5353.44	58.56	-15.44	74	43.79	31.21	12.54	28.98	400	126	P	H
		5350.08	48.77	-5.23	54	34.02	31.2	12.53	28.98	400	126	A	H
		5137.36	54	-20	74	38.8	31.73	12.31	28.84	209	172	P	V
		5149.6	43.31	-10.69	54	28.14	31.7	12.32	28.85	209	172	A	V
	*	5290	106.97	-	-	92.13	31.3	12.48	28.94	209	172	P	V
	*	5290	99.11	-	-	84.27	31.3	12.48	28.94	209	172	A	V
		5351.04	61.84	-12.16	74	47.09	31.2	12.53	28.98	209	172	P	V
	5350.32	53.12	-0.88	54	38.37	31.2	12.53	28.98	209	172	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. 1+2	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	51.21	-16.99	68.2	52.8	40	19.04	61.1	100	0	P	H
VHT80		15870	49.46	-24.54	74	49.05	37.16	23.88	61.12	100	0	P	H
CH 58		10580	51.11	-17.09	68.2	52.7	40	19.04	61.1	100	0	P	V
5290MHz		15870	48.52	-25.48	74	48.11	37.16	23.88	61.12	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 Ant. 1+2	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		5452.24	56.3	-17.7	74	41.07	31.6	12.68	29.05	358	121	P	H
		5468.24	57.52	-10.68	68.2	42.23	31.64	12.71	29.06	358	121	P	H
		5460	45.03	-8.97	54	29.77	31.62	12.69	29.05	358	121	A	H
	*	5500	114.07	-	-	98.68	31.7	12.77	29.08	358	121	P	H
	*	5500	106.36	-	-	90.97	31.7	12.77	29.08	358	121	A	H
		5456.24	57.24	-16.76	74	41.99	31.61	12.69	29.05	164	152	P	V
		5469.04	58.5	-9.7	68.2	43.21	31.64	12.71	29.06	164	152	P	V
		5460	47.22	-6.78	54	31.96	31.62	12.69	29.05	164	152	A	V
	*	5500	116.9	-	-	101.51	31.7	12.77	29.08	164	152	P	V
	*	5500	109.59	-	-	94.2	31.7	12.77	29.08	164	152	A	V
802.11a CH 116 5580MHz		5396.8	54.67	-19.33	74	39.71	31.39	12.58	29.01	385	117	P	H
		5469.28	54.99	-13.21	68.2	39.7	31.64	12.71	29.06	385	117	P	H
		5459.92	43.43	-10.57	54	28.17	31.62	12.69	29.05	385	117	A	H
	*	5580	115.16	-	-	99.56	31.74	12.92	29.06	385	117	P	H
	*	5580	107.54	-	-	91.94	31.74	12.92	29.06	385	117	A	H
		5730.665	54.85	-13.35	68.2	38.78	31.92	13.17	29.02	385	117	P	H
		5431.6	55.39	-18.61	74	40.25	31.53	12.64	29.03	200	132	P	V
		5464.72	55.75	-12.45	68.2	40.48	31.63	12.7	29.06	200	132	P	V
		5459.92	44.19	-9.81	54	28.93	31.62	12.69	29.05	200	132	A	V
	*	5580	117.83	-	-	102.23	31.74	12.92	29.06	200	132	P	V
	*	5580	110.02	-	-	94.42	31.74	12.92	29.06	200	132	A	V
	5743.58	55.29	-12.91	68.2	39.15	31.97	13.19	29.02	200	132	P	V	



802.11a CH 140 5700MHz	*	5700	111.72	-	-	95.83	31.8	13.12	29.03	317	119	P	H
	*	5700	104.2	-	-	88.31	31.8	13.12	29.03	317	119	A	H
		5726.2	63.33	-4.87	68.2	47.3	31.9	13.16	29.03	317	119	P	H
	*	5700	115.61	-	-	99.72	31.8	13.12	29.03	164	157	P	V
	*	5700	107.44	-	-	91.55	31.8	13.12	29.03	164	157	A	V
		5726.2	67.49	-0.71	68.2	51.46	31.9	13.16	29.03	164	157	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. 1+2	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	57.05	-16.95	74	57.62	40.4	20.13	61.1	182	204	P	H
		11000	46.25	-7.75	54	46.82	40.4	20.13	61.1	182	204	A	H
		16500	50.61	-17.59	68.2	45.99	38.8	25.22	59.4	100	0	P	H
		11000	57.93	-16.07	74	58.5	40.4	20.13	61.1	122	165	P	V
		11000	46.92	-7.08	54	47.49	40.4	20.13	61.1	122	165	A	V
		16500	49.12	-19.08	68.2	44.5	38.8	25.22	59.4	100	0	P	V
802.11a CH 116 5580MHz		11160	55.59	-18.41	74	56.35	39.98	20.3	61.04	177	205	P	H
		11160	44.49	-9.51	54	45.25	39.98	20.3	61.04	177	205	A	H
		16740	51.79	-16.41	68.2	45.62	39.8	25.63	59.26	100	0	P	H
		11160	57.82	-16.18	74	58.58	39.98	20.3	61.04	100	177	P	V
		11160	45.83	-8.17	54	46.59	39.98	20.3	61.04	100	177	A	V
		16740	51.21	-16.99	68.2	45.04	39.8	25.63	59.26	100	0	P	V
802.11a CH 140 5700MHz		11400	54.04	-19.96	74	54.31	40.1	20.57	60.94	198	146	P	H
		11400	43.37	-10.63	54	43.64	40.1	20.57	60.94	198	146	A	H
		17100	52.32	-15.88	68.2	44.75	40.3	26.25	58.98	100	0	P	H
		11400	55.6	-18.4	74	55.87	40.1	20.57	60.94	100	175	P	V
		11400	45.41	-8.59	54	45.68	40.1	20.57	60.94	100	175	A	V
		17100	53.37	-14.83	68.2	45.8	40.3	26.25	58.98	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. 1+2	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		5455.6	55.36	-18.64	74	40.11	31.61	12.69	29.05	365	127	P	H
		5468.4	64.78	-3.42	68.2	49.49	31.64	12.71	29.06	365	127	P	H
		5460	44.29	-9.71	54	29.03	31.62	12.69	29.05	365	127	A	H
	*	5500	112.12	-	-	96.73	31.7	12.77	29.08	365	127	P	H
	*	5500	104.47	-	-	89.08	31.7	12.77	29.08	365	127	A	H
		5456.88	58.22	-15.78	74	42.97	31.61	12.69	29.05	168	151	P	V
		5469.36	64.06	-4.14	68.2	48.77	31.64	12.71	29.06	168	151	P	V
		5460	47.26	-6.74	54	32	31.62	12.69	29.05	168	151	A	V
	*	5500	116.57	-	-	101.18	31.7	12.77	29.08	168	151	P	V
	*	5500	108.42	-	-	93.03	31.7	12.77	29.08	168	151	A	V
802.11n HT20 CH 116 5580MHz		5435.92	54.04	-19.96	74	38.89	31.54	12.65	29.04	314	123	P	H
		5466.16	54.43	-13.77	68.2	39.15	31.63	12.71	29.06	314	123	P	H
		5459.68	43.29	-10.71	54	28.03	31.62	12.69	29.05	314	123	A	H
	*	5580	114.13	-	-	98.53	31.74	12.92	29.06	314	123	P	H
	*	5580	106.72	-	-	91.12	31.74	12.92	29.06	314	123	A	H
		5730.665	55.57	-12.63	68.2	39.5	31.92	13.17	29.02	314	123	P	H
		5459.44	55.81	-18.19	74	40.55	31.62	12.69	29.05	170	153	P	V
		5469.52	54.81	-13.39	68.2	39.52	31.64	12.71	29.06	170	153	P	V
		5459.92	44.12	-9.88	54	28.86	31.62	12.69	29.05	170	153	A	V
	*	5580	117.99	-	-	102.39	31.74	12.92	29.06	170	153	P	V
	*	5580	110.27	-	-	94.67	31.74	12.92	29.06	170	153	A	V
	5743.895	55.53	-12.67	68.2	39.38	31.98	13.19	29.02	170	153	P	V	



802.11n	*	5700	110.56	-	-	94.67	31.8	13.12	29.03	288	116	P	H
	*	5700	103.06	-	-	87.17	31.8	13.12	29.03	288	116	A	H
HT20		5726.76	61.22	-6.98	68.2	45.18	31.91	13.16	29.03	288	116	P	H
CH 140	*	5700	115.59	-	-	99.7	31.8	13.12	29.03	157	157	P	V
5700MHz	*	5700	107.39	-	-	91.5	31.8	13.12	29.03	157	157	A	V
		5726.44	67.44	-0.76	68.2	51.4	31.91	13.16	29.03	157	157	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. 1+2	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	56.92	-17.08	74	57.49	40.4	20.13	61.1	174	202	P	H
		11000	46.26	-7.74	54	46.83	40.4	20.13	61.1	174	202	A	H
		16500	51.85	-16.35	68.2	47.23	38.8	25.22	59.4	100	0	P	H
		11000	57.27	-16.73	74	57.84	40.4	20.13	61.1	100	176	P	V
		11000	47.02	-6.98	54	47.59	40.4	20.13	61.1	100	176	A	V
		16500	51.12	-17.08	68.2	46.5	38.8	25.22	59.4	100	0	P	V
802.11n HT20 CH 116 5580MHz		11160	54.65	-19.35	74	55.41	39.98	20.3	61.04	201	219	P	H
		11160	43.75	-10.25	54	44.51	39.98	20.3	61.04	201	219	A	H
		16740	53.3	-14.9	68.2	47.13	39.8	25.63	59.26	100	0	P	H
		11160	56.71	-17.29	74	57.47	39.98	20.3	61.04	100	178	P	V
		11160	46.04	-7.96	54	46.8	39.98	20.3	61.04	100	178	A	V
		16740	52.91	-15.29	68.2	46.74	39.8	25.63	59.26	100	0	P	V
802.11n HT20 CH 140 5700MHz		11400	54.09	-19.91	74	54.36	40.1	20.57	60.94	204	113	P	H
		11400	43.24	-10.76	54	43.51	40.1	20.57	60.94	204	113	A	H
		17100	51.87	-16.33	68.2	44.3	40.3	26.25	58.98	100	0	P	H
		11400	56.58	-17.42	74	56.85	40.1	20.57	60.94	100	177	P	V
		11400	45.33	-8.67	54	45.6	40.1	20.57	60.94	100	177	A	V
		17100	52.17	-16.03	68.2	44.6	40.3	26.25	58.98	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. 1+2	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		5458	55.65	-18.35	74	40.39	31.62	12.69	29.05	233	152	P	H
		5466.88	58.11	-10.09	68.2	42.83	31.63	12.71	29.06	233	152	P	H
		5459.92	45.55	-8.45	54	30.29	31.62	12.69	29.05	233	152	A	H
	*	5510	108.52	-	-	93.09	31.72	12.79	29.08	233	152	P	H
	*	5510	100.72	-	-	85.29	31.72	12.79	29.08	233	152	A	H
		5734.76	54.13	-14.07	68.2	38.03	31.94	13.18	29.02	233	152	P	H
		5450.56	57.53	-16.47	74	42.3	31.6	12.68	29.05	161	152	P	V
		5470	61.57	-6.63	68.2	46.28	31.64	12.71	29.06	161	152	P	V
		5459.92	48.25	-5.75	54	32.99	31.62	12.69	29.05	161	152	A	V
	*	5510	113.23	-	-	97.8	31.72	12.79	29.08	161	152	P	V
	*	5510	105.31	-	-	89.88	31.72	12.79	29.08	161	152	A	V
	5728.775	54.41	-13.79	68.2	38.35	31.92	13.17	29.03	161	152	P	V	
802.11n HT40 CH 110 5550MHz		5449.12	55.09	-18.91	74	39.87	31.6	12.67	29.05	316	130	P	H
		5469.76	54.81	-13.39	68.2	39.52	31.64	12.71	29.06	316	130	P	H
		5459.44	43.89	-10.11	54	28.63	31.62	12.69	29.05	316	130	A	H
	*	5550	110.31	-	-	94.72	31.8	12.86	29.07	316	130	P	H
	*	5550	103.03	-	-	87.44	31.8	12.86	29.07	316	130	A	H
		5732.87	54.06	-14.14	68.2	37.98	31.93	13.17	29.02	316	130	P	H
		5458.48	56.29	-17.71	74	41.03	31.62	12.69	29.05	173	154	P	V
		5468.32	58.64	-9.56	68.2	43.35	31.64	12.71	29.06	173	154	P	V
		5459.92	45.39	-8.61	54	30.13	31.62	12.69	29.05	173	154	A	V
	*	5550	114.39	-	-	98.8	31.8	12.86	29.07	173	154	P	V
	*	5550	106.62	-	-	91.03	31.8	12.86	29.07	173	154	A	V
	5725.94	54.12	-14.08	68.2	38.09	31.9	13.16	29.03	173	154	P	V	



802.11n HT40 CH 134 5670MHz		5395.5	54.06	-19.94	74	39.11	31.38	12.58	29.01	323	118	P	H
		5467.25	52.01	-16.19	68.2	36.73	31.63	12.71	29.06	323	118	P	H
		5459.2	41.77	-12.23	54	26.51	31.62	12.69	29.05	323	118	A	H
	*	5670	110.67	-	-	94.9	31.74	13.07	29.04	323	118	P	H
	*	5670	102.69	-	-	86.92	31.74	13.07	29.04	323	118	A	H
		5725.8	61.11	-7.09	68.2	45.08	31.9	13.16	29.03	323	118	P	H
		5410.2	53.71	-20.29	74	38.69	31.44	12.6	29.02	156	157	P	V
		5468.65	53.86	-14.34	68.2	38.57	31.64	12.71	29.06	156	157	P	V
		5457.1	41.91	-12.09	54	26.66	31.61	12.69	29.05	156	157	A	V
	*	5670	114.35	-	-	98.58	31.74	13.07	29.04	156	157	P	V
	*	5670	106.34	-	-	90.57	31.74	13.07	29.04	156	157	A	V
		5729.3	67.32	-0.88	68.2	51.25	31.92	13.17	29.02	156	157	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. 1+2	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		11020	55.8	-18.2	74	56.4	40.34	20.15	61.09	189	202	P	H
		11020	44.24	-9.76	54	44.84	40.34	20.15	61.09	189	202	A	H
		16530	50.84	-17.36	68.2	17.94	38.95	24.79	30.84	100	0	P	H
		11020	56.21	-17.79	74	56.81	40.34	20.15	61.09	100	176	P	V
		11020	44.61	-9.39	54	45.21	40.34	20.15	61.09	100	176	A	V
		16530	50.54	-17.66	68.2	45.7	38.95	25.27	59.38	100	0	P	V
802.11n HT40 CH 110 5550MHz		11100	54.56	-19.44	74	55.28	40.1	20.24	61.06	180	202	P	H
		11100	44.07	-9.93	54	44.79	40.1	20.24	61.06	180	202	A	H
		16650	51.59	-16.61	68.2	45.98	39.45	25.47	59.31	100	0	P	H
		11100	55.89	-18.11	74	56.61	40.1	20.24	61.06	100	176	P	V
		11100	44.88	-9.12	54	45.6	40.1	20.24	61.06	100	176	A	V
		16650	51.85	-16.35	68.2	46.24	39.45	25.47	59.31	100	0	P	V
802.11n HT40 CH 134 5670MHz		11340	54.68	-19.32	74	55.22	39.92	20.5	60.96	225	105	P	H
		11340	43.11	-10.89	54	43.65	39.92	20.5	60.96	225	105	A	H
		17010	53.49	-14.71	68.2	45.91	40.57	26.1	59.09	100	0	P	H
		11340	55.5	-18.5	74	56.04	39.92	20.5	60.96	107	176	P	V
		11340	44.41	-9.59	54	44.95	39.92	20.5	60.96	107	176	A	V
		17010	53.18	-15.02	68.2	45.6	40.57	26.1	59.09	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. 1+2	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		5453.68	57.55	-16.45	74	42.31	31.61	12.68	29.05	359	124	P	H
		5469.52	58.11	-10.09	68.2	42.82	31.64	12.71	29.06	359	124	P	H
		5458	47.52	-6.48	54	32.26	31.62	12.69	29.05	359	124	A	H
	*	5530	104.77	-	-	89.25	31.76	12.83	29.07	359	124	P	H
	*	5530	96.76	-	-	81.24	31.76	12.83	29.07	359	124	A	H
		5760.275	54.85	-13.35	68.2	38.63	32.02	13.22	29.02	359	124	P	H
		5457.04	62.3	-11.7	74	47.05	31.61	12.69	29.05	169	157	P	V
		5463.76	62.26	-5.94	68.2	46.99	31.63	12.7	29.06	169	157	P	V
		5457.76	52.79	-1.21	54	37.53	31.62	12.69	29.05	169	157	A	V
	*	5530	109.04	-	-	93.52	31.76	12.83	29.07	169	157	P	V
	*	5530	100.98	-	-	85.46	31.76	12.83	29.07	169	157	A	V
	5739.485	54.5	-13.7	68.2	38.38	31.96	13.18	29.02	169	157	P	V	
802.11ac VHT80 CH 122 5610MHz		5458.24	55.83	-18.17	74	40.57	31.62	12.69	29.05	343	120	P	H
		5469.52	57.43	-10.77	68.2	42.14	31.64	12.71	29.06	343	120	P	H
		5459.68	44.39	-9.61	54	29.13	31.62	12.69	29.05	343	120	A	H
	*	5610	108.36	-	-	92.73	31.7	12.98	29.05	343	120	P	H
	*	5610	100.5	-	-	84.87	31.7	12.98	29.05	343	120	A	H
		5729.405	58.58	-9.62	68.2	42.51	31.92	13.17	29.02	343	120	P	H
		5455.84	56.35	-17.65	74	41.1	31.61	12.69	29.05	147	156	P	V
		5470	57.74	-10.46	68.2	42.45	31.64	12.71	29.06	147	156	P	V
		5459.92	45.38	-8.62	54	30.12	31.62	12.69	29.05	147	156	A	V
	*	5610	111.53	-	-	95.9	31.7	12.98	29.05	147	156	P	V
	*	5610	103.83	-	-	88.2	31.7	12.98	29.05	147	156	A	V
	5725.625	63.74	-4.46	68.2	47.71	31.9	13.16	29.03	147	156	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. 1+2	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		11060	53.39	-20.61	74	54.05	40.22	20.2	61.08	186	203	P	H
		11060	42.6	-11.4	54	43.26	40.22	20.2	61.08	186	203	A	H
		16590	51.33	-16.87	68.2	46.06	39.25	25.37	59.35	100	0	P	H
		11060	54.12	-19.88	74	54.78	40.22	20.2	61.08	100	157	P	V
		11060	42.65	-11.35	54	43.31	40.22	20.2	61.08	100	157	A	V
		16590	51.32	-16.88	68.2	46.05	39.25	25.37	59.35	100	0	P	V
802.11ac VHT80 CH 122 5610MHz		11220	52.84	-21.16	74	53.6	39.88	20.37	61.01	174	113	P	H
		11220	41.84	-12.16	54	42.6	39.88	20.37	61.01	174	113	A	H
		16830	53.52	-14.68	68.2	46.69	40.25	25.78	59.2	100	0	P	H
		11220	53.5	-20.5	74	54.26	39.88	20.37	61.01	100	175	P	V
		11220	42.83	-11.17	54	43.59	39.88	20.37	61.01	100	175	A	V
		16830	53.45	-14.75	68.2	46.62	40.25	25.78	59.2	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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5440.48	54.54	-19.46	74	39.36	31.56	12.66	29.04	301	118	P	H
		5465.83	54.45	-13.75	68.2	39.17	31.63	12.71	29.06	301	118	P	H
		5454.91	41.85	-12.15	54	26.61	31.61	12.68	29.05	301	118	A	H
	*	5720	113.62	-	-	97.62	31.88	13.15	29.03	301	118	P	H
	*	5720	106.42	-	-	90.42	31.88	13.15	29.03	301	118	A	H
		5920.75	57.58	-10.62	68.2	40.93	32.28	13.35	28.98	301	118	P	H
		5440.09	55.35	-18.65	74	40.17	31.56	12.66	29.04	164	160	P	V
		5462.71	53.86	-14.34	68.2	38.59	31.63	12.7	29.06	164	160	P	V
		5459.98	41.96	-12.04	54	26.7	31.62	12.69	29.05	164	160	A	V
	*	5720	118.04	-	-	102.04	31.88	13.15	29.03	164	160	P	V
	*	5720	110.66	-	-	94.66	31.88	13.15	29.03	164	160	A	V
			5854.5	57.58	-10.62	68.2	41.15	32.11	13.31	28.99	164	160	P
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)

Table with 14 columns: WIFI Ant. 1+2, 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). Includes data for 802.11a CH 144 5720MHz and a Remark section.



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5454.13	55.47	-18.53	74	40.23	31.61	12.68	29.05	302	117	P	H
		5462.71	55.14	-13.06	68.2	39.87	31.63	12.7	29.06	302	117	P	H
		5449.06	41.83	-12.17	54	26.61	31.6	12.67	29.05	302	117	A	H
	*	5720	113.29	-	-	97.29	31.88	13.15	29.03	302	117	P	H
	*	5720	106.12	-	-	90.12	31.88	13.15	29.03	302	117	A	H
		5890.75	57.3	-10.9	68.2	40.78	32.18	13.33	28.99	302	117	P	H
		5415.52	54.93	-19.07	74	39.88	31.46	12.61	29.02	175	158	P	V
		5467	54.52	-13.68	68.2	39.24	31.63	12.71	29.06	175	158	P	V
		5457.64	42.01	-11.99	54	26.75	31.62	12.69	29.05	175	158	A	V
	*	5720	117.46	-	-	101.46	31.88	13.15	29.03	175	158	P	V
	*	5720	110.21	-	-	94.21	31.88	13.15	29.03	175	158	A	V
		5914.75	59.58	-8.62	68.2	42.95	32.26	13.35	28.98	175	158	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)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include data for 802.11n HT20 CH 144 at 5720MHz and a Remark section.



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5360.14	54.96	-19.04	74	40.17	31.24	12.54	28.99	296	118	P	H
		5467	54.09	-14.11	68.2	38.81	31.63	12.71	29.06	296	118	P	H
		5458.03	41.88	-12.12	54	26.62	31.62	12.69	29.05	296	118	A	H
	*	5710	110.24	-	-	94.29	31.84	13.14	29.03	296	118	P	H
	*	5710	102.98	-	-	87.03	31.84	13.14	29.03	296	118	A	H
		5944.75	58.44	-9.76	68.2	41.66	32.38	13.37	28.97	296	118	P	H
		5453.35	55.16	-18.84	74	39.92	31.61	12.68	29.05	153	160	P	V
		5467.78	53.71	-14.49	68.2	38.42	31.64	12.71	29.06	153	160	P	V
		5459.98	42.03	-11.97	54	26.77	31.62	12.69	29.05	153	160	A	V
	*	5710	114.36	-	-	98.41	31.84	13.14	29.03	153	160	P	V
	*	5710	106.94	-	-	90.99	31.84	13.14	29.03	153	160	A	V
		5858.5	58.05	-10.15	68.2	41.6	32.12	13.32	28.99	153	160	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)

Table with 14 columns: WIFI Ant. 1+2, 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). Rows include data for 802.11n HT40 CH 142 at 5710MHz and a Remark section.



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	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		5452.18	54.68	-19.32	74	39.45	31.6	12.68	29.05	317	116	P	H
		5468.95	54.53	-13.67	68.2	39.24	31.64	12.71	29.06	317	116	P	H
		5456.08	41.8	-12.2	54	26.55	31.61	12.69	29.05	317	116	A	H
	*	5690	107.81	-	-	91.96	31.78	13.1	29.03	317	116	P	H
	*	5690	100.24	-	-	84.39	31.78	13.1	29.03	317	116	P	H
		5856.25	56.88	-11.32	68.2	40.45	32.11	13.31	28.99	317	116	P	H
		5402.65	55.02	-18.98	74	40.04	31.41	12.59	29.02	163	158	P	V
		5462.32	54.15	-14.05	68.2	38.89	31.62	12.7	29.06	163	158	P	V
		5459.2	41.97	-12.03	54	26.71	31.62	12.69	29.05	163	158	A	V
	*	5690	111.2	-	-	95.35	31.78	13.1	29.03	163	158	P	V
	*	5690	103.73	-	-	87.88	31.78	13.1	29.03	163	158	A	V
	5939.75	57.5	-10.7	68.2	40.75	32.36	13.36	28.97	163	158	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. 1+2	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		11380	53.64	-20.36	74	54.01	40.04	20.54	60.95	259	187	P	H
		11380	42.24	-11.76	54	42.61	40.04	20.54	60.95	259	187	A	H
		17070	53.23	-14.97	68.2	45.66	40.39	26.2	59.02	100	0	P	H
		11380	55.23	-18.77	74	55.6	40.04	20.54	60.95	106	177	P	V
		11380	43.82	-10.18	54	44.19	40.04	20.54	60.95	106	177	A	V
		17070	52.38	-15.82	68.2	44.81	40.39	26.2	59.02	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission above 18GHz

5GHz WIFI 802.11ac VHT80 (SHF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz		29836	42.6	-25.6	68.2	41.51	40.23	15.73	54.87	150	0	P	H
802.11ac		37184	46.13	-22.07	68.2	40.5	42.76	19.79	56.92	150	0	P	H
VHT80		30606	43.46	-24.74	68.2	41.4	40.46	16.84	55.24	150	0	P	V
SHF		38218	45.81	-22.39	68.2	38.61	43.49	19.67	55.96	150	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Emission below 1GHz
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		70.74	28.79	-11.21	40	47.44	12.28	1.43	32.36	-	-	P	H
		113.42	35.57	-7.93	43.5	48.91	17.09	1.83	32.26	100	0	P	H
		187.14	24.1	-19.4	43.5	39.28	14.75	2.38	32.31	-	-	P	H
		660.5	29.19	-16.81	46	30.6	26.26	4.39	32.06	-	-	P	H
		903	36.8	-9.2	46	34.46	29.06	5.16	31.88	-	-	P	H
		955.38	34.18	-11.82	46	29.23	30.89	5.33	31.27	-	-	P	H
		43.58	33.88	-6.12	40	47.76	17.38	1.09	32.35	100	0	P	V
		87.23	33.2	-6.8	40	49.64	14.28	1.58	32.3	-	-	P	V
		112.45	36.67	-6.83	43.5	50.12	16.99	1.82	32.26	-	-	P	V
		671.17	28.78	-17.22	46	30.15	26.27	4.44	32.08	-	-	P	V
		900.09	34.75	-11.25	46	32.53	28.99	5.15	31.92	-	-	P	V
		952.47	34.44	-11.56	46	29.62	30.8	5.32	31.3	-	-	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.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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 :	Karl Hou, Andy Yang and CR Liao	Temperature :	20~25°C
		Relative Humidity :	50~60%

Note symbol

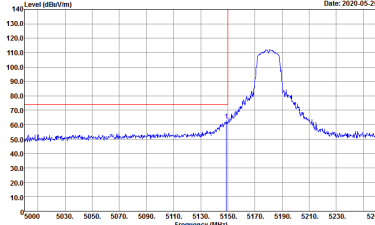
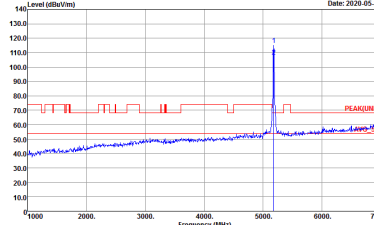
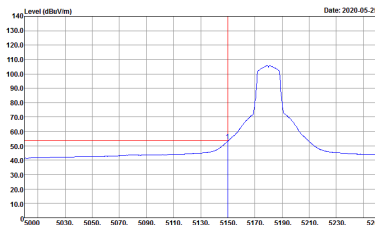
-L	Low channel location
-R	High channel location



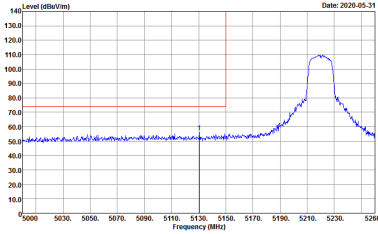
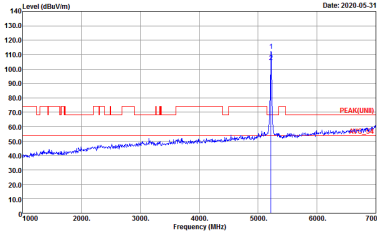
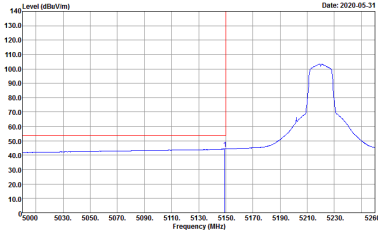
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (1+2, Peak, Avg.). It contains spectral analysis plots for Horizontal and Fundamental signals, and a 'Left blank' plot. Each plot shows Level (dBuV/m) vs Frequency (MHz) with associated test parameters like Site, Condition, Detector, and Project.

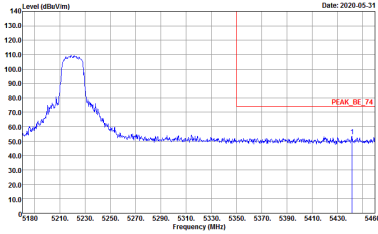
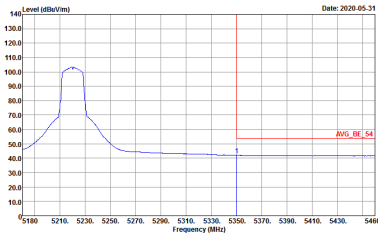


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

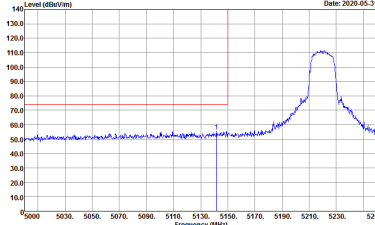
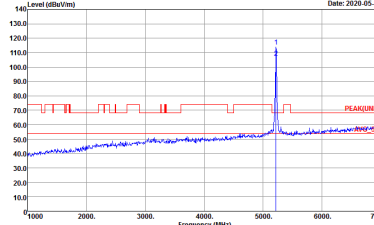
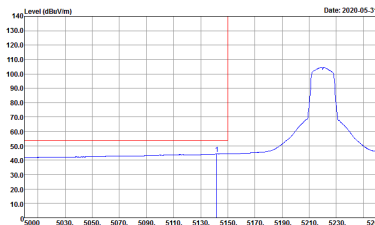


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

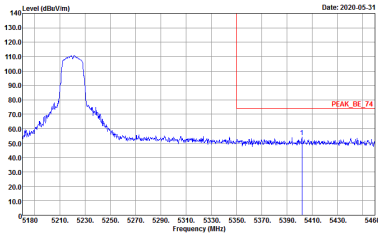
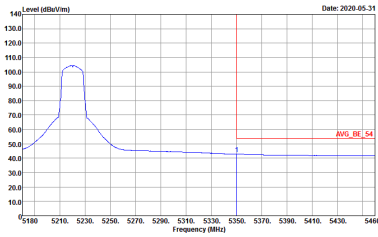


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

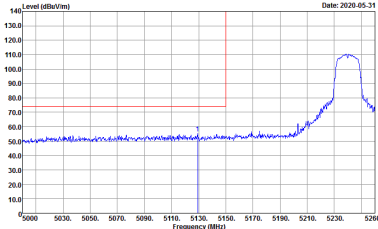
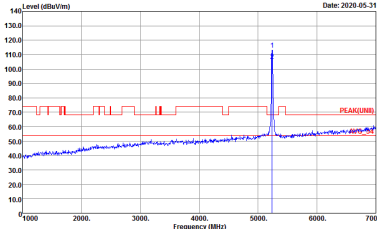
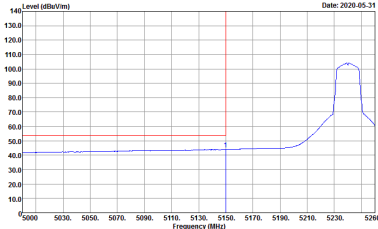


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank

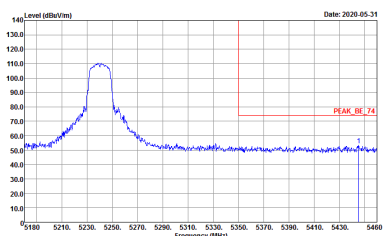
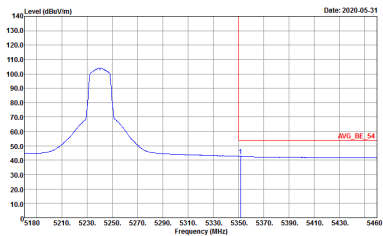


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

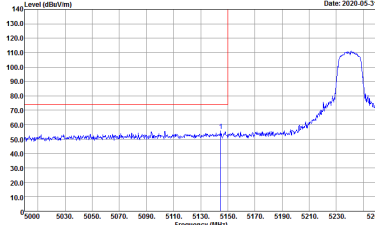
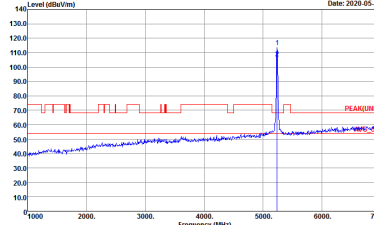
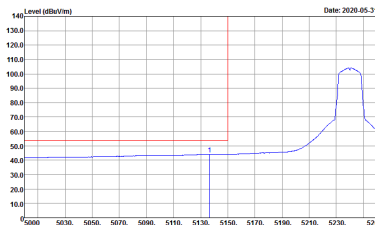


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

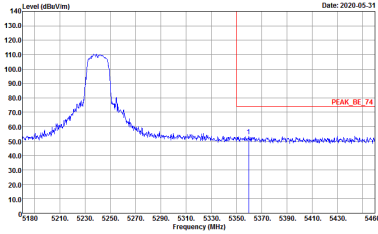
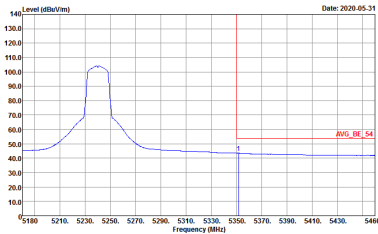


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



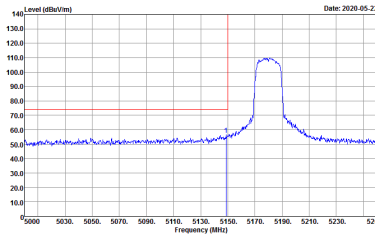
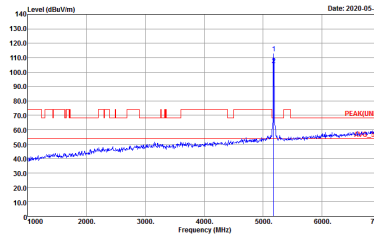
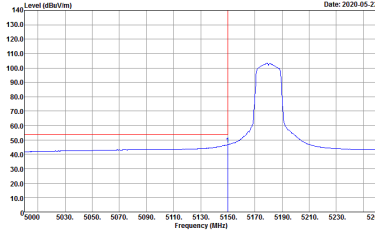
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



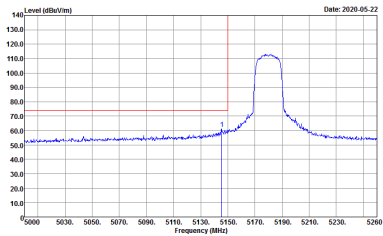
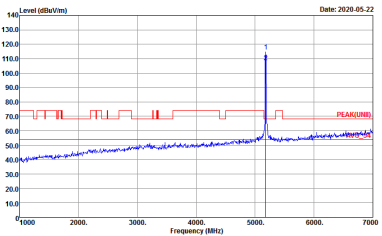
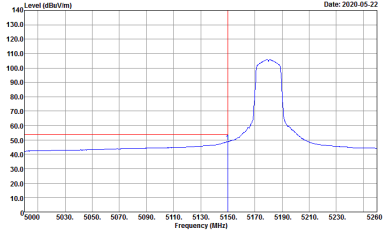
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



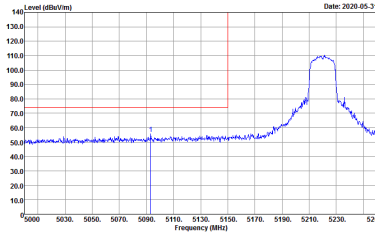
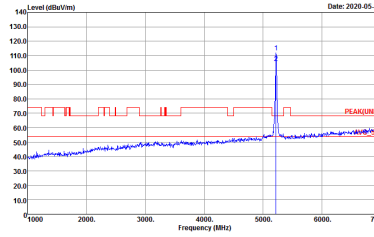
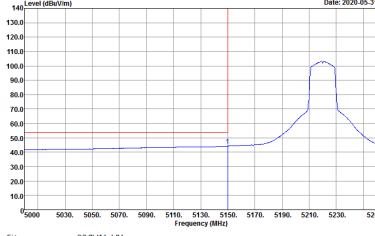
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

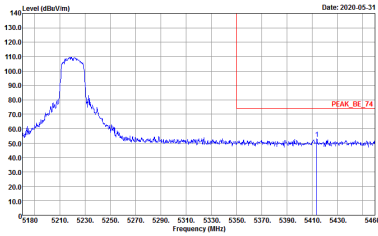
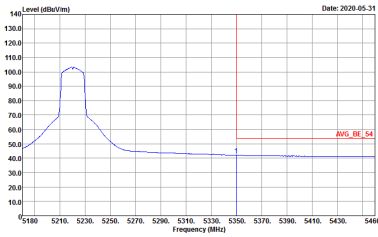


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank

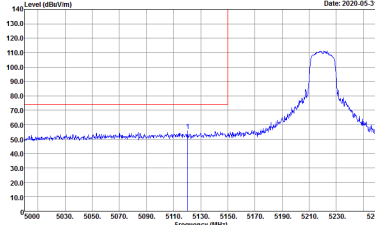
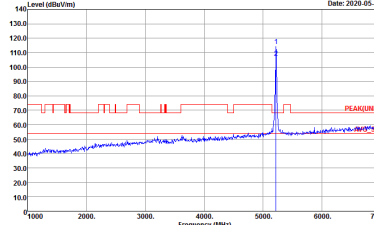
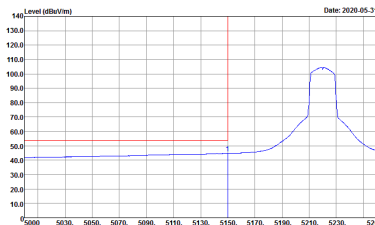


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNI) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

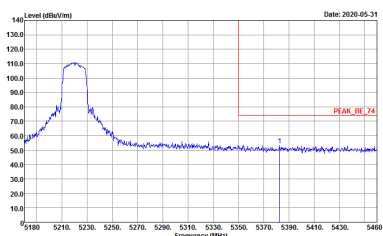
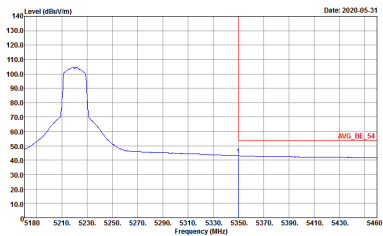


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

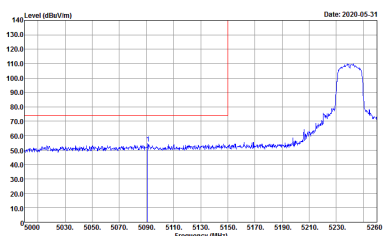
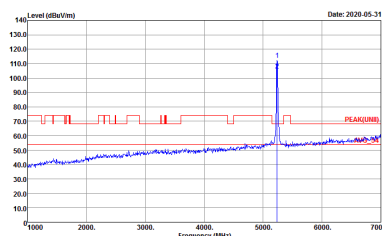
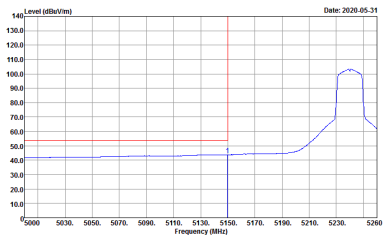


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank

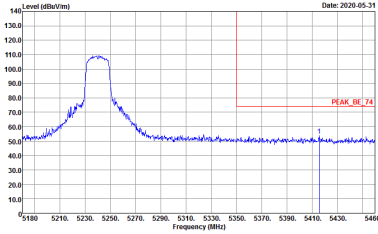
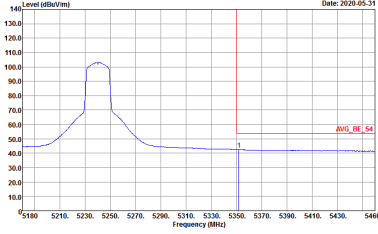


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

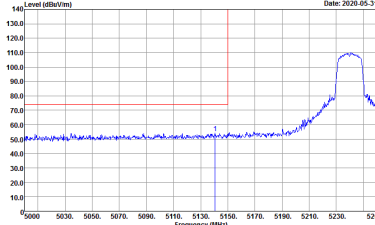
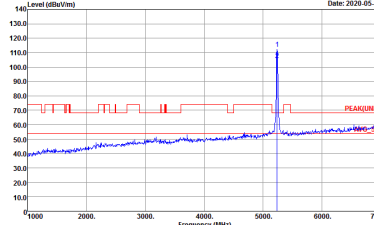
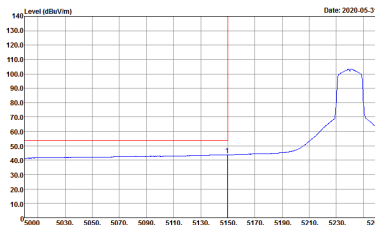


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

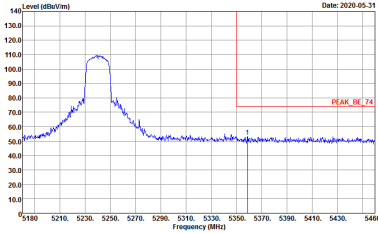
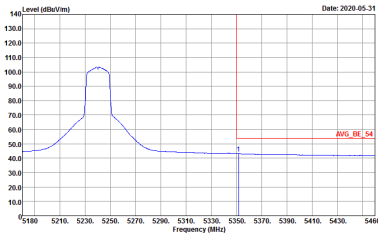


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



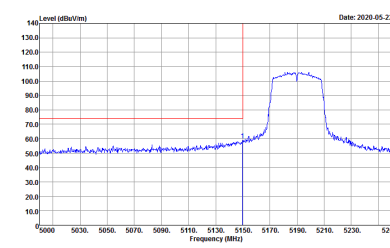
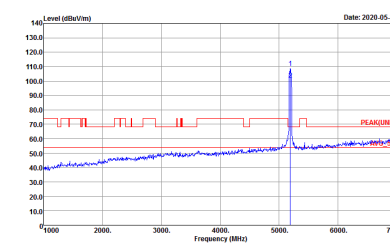
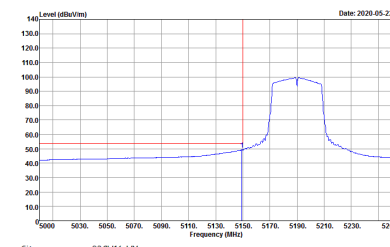
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank



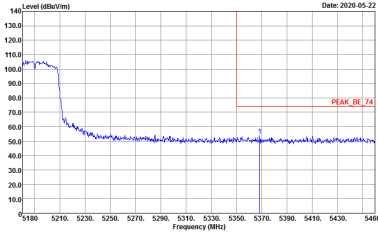
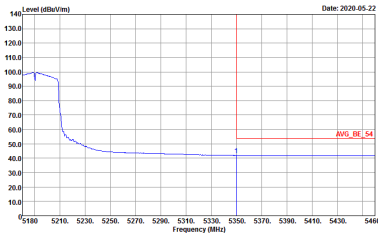
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



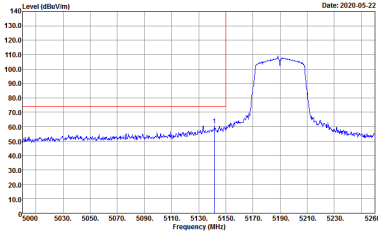
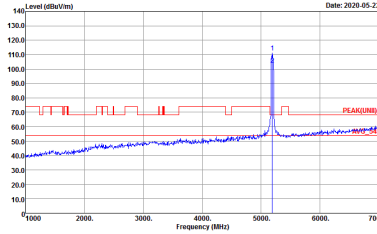
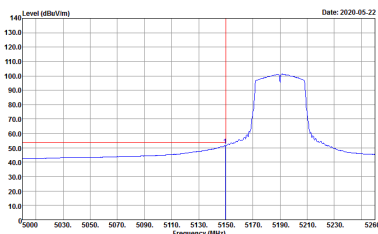
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : RBW1000.000KHz VBW3000.000KHz SWT:Auto Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW1000.000KHz VBW3000.000KHz SWT:Auto Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank

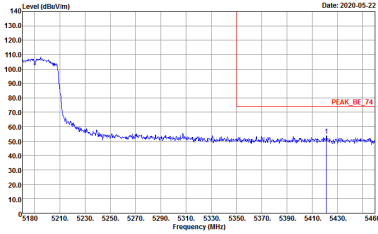
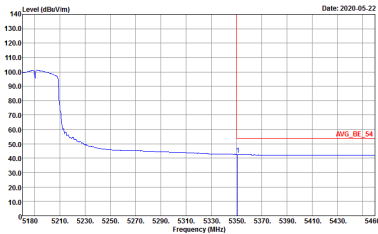


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

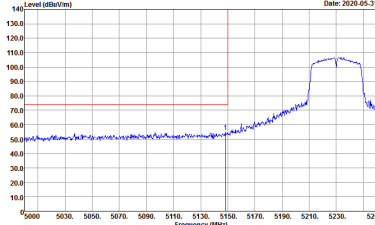
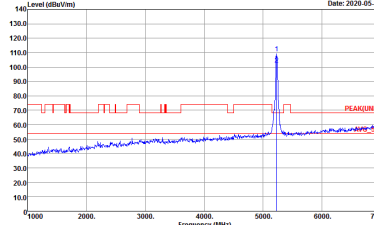
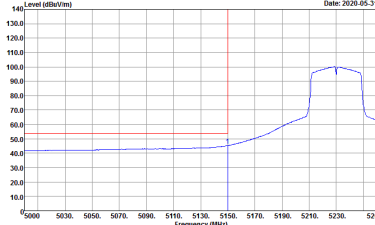


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

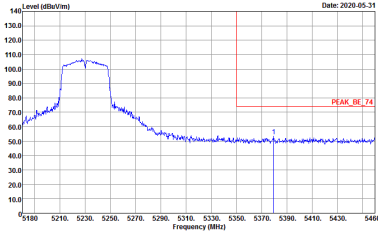
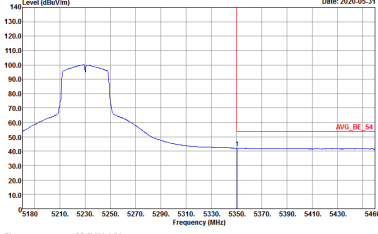


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

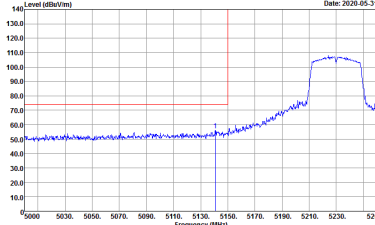
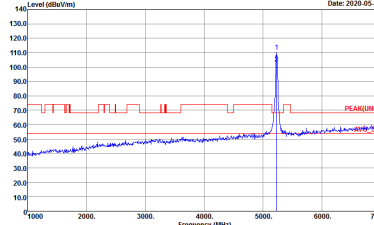
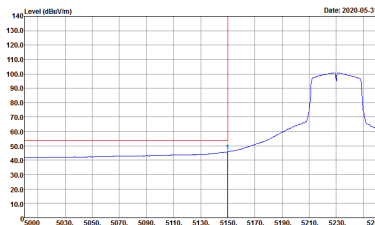


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

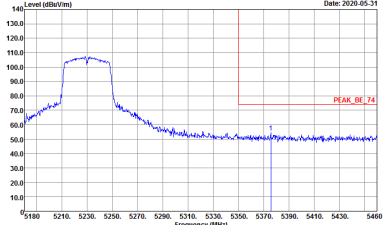
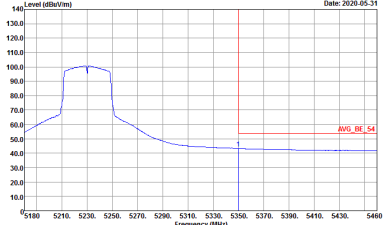


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



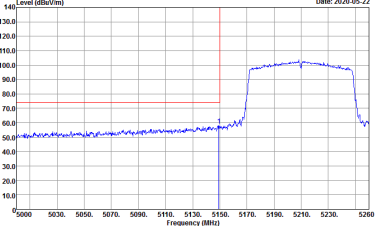
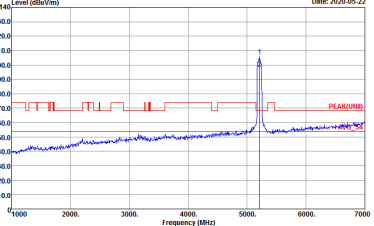
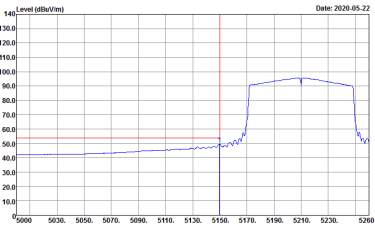
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank



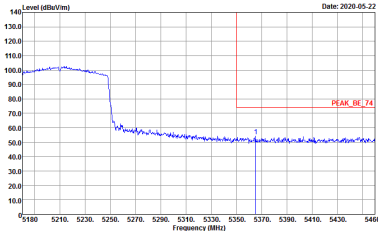
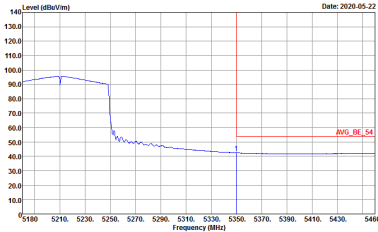
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



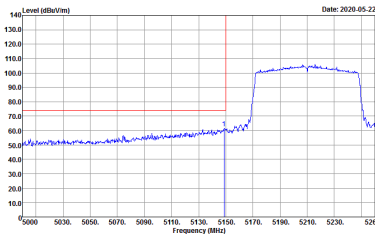
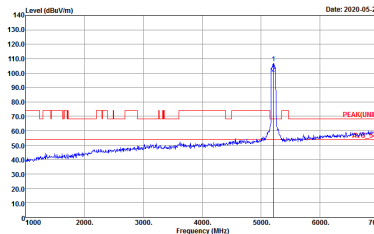
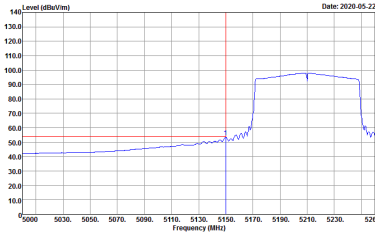
**Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

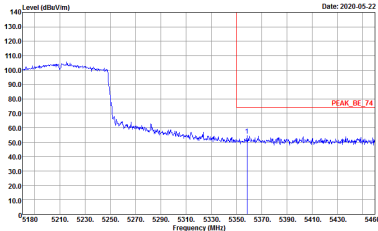
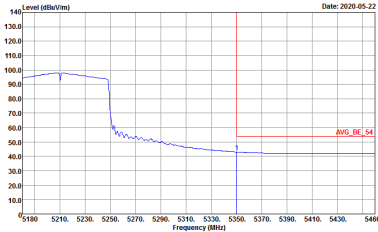


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE_04 3m 9120D_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



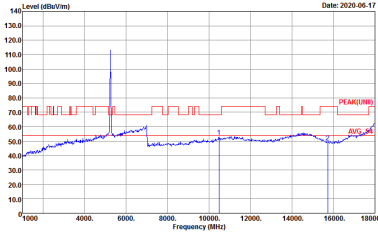
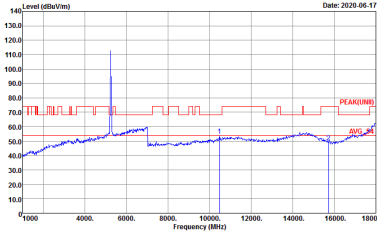
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-FY Condition : PEAK(LINEI) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-FY Condition : PEAK(LINEI) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
<p>Peak Avg.</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

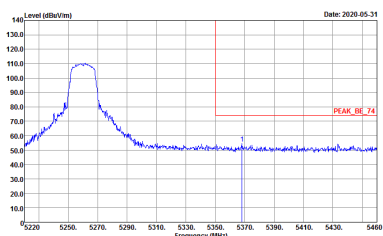
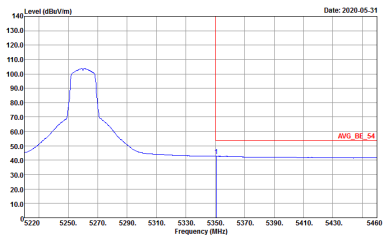
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



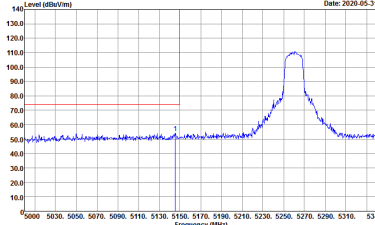
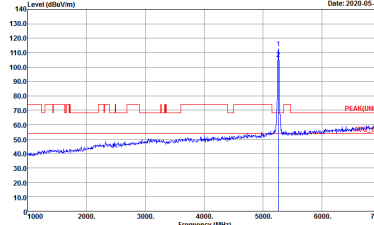
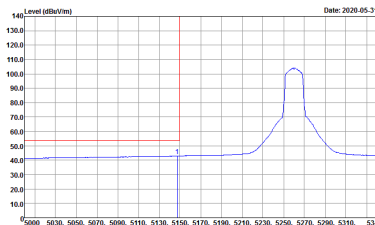
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank

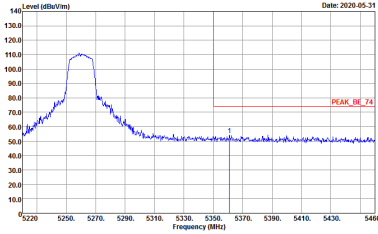
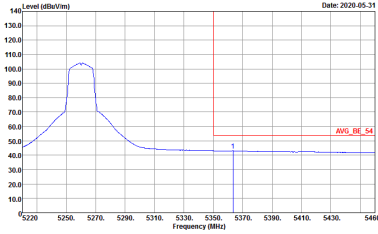


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

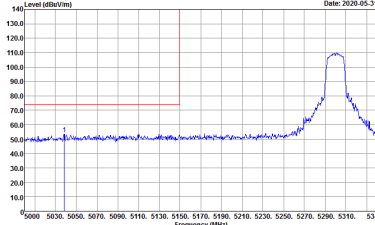
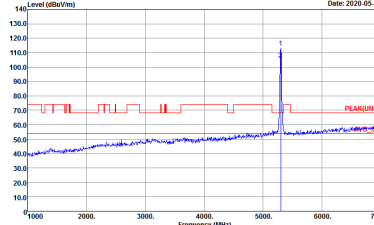
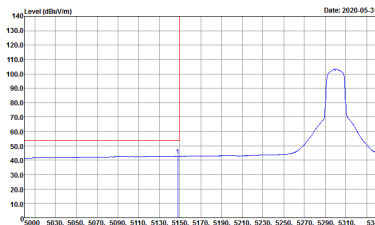


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

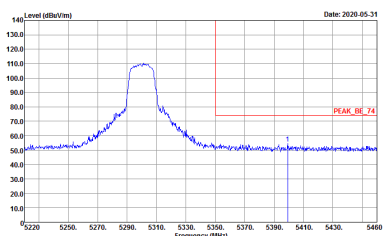
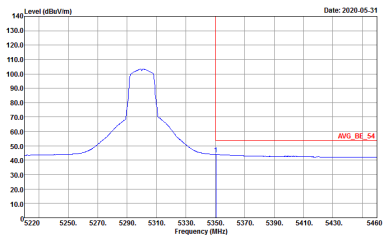


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

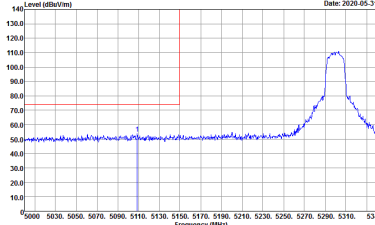
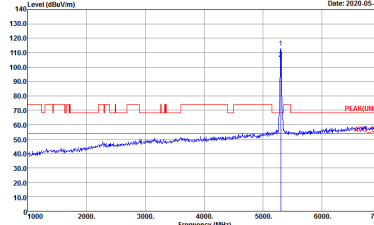
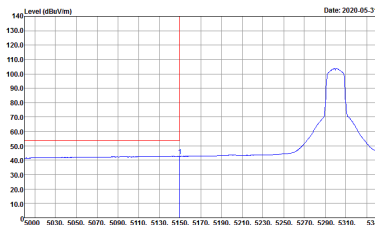


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



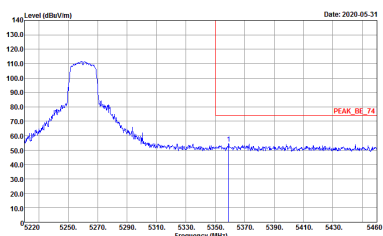
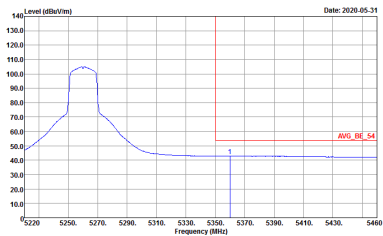
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNB) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



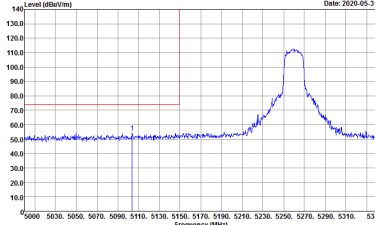
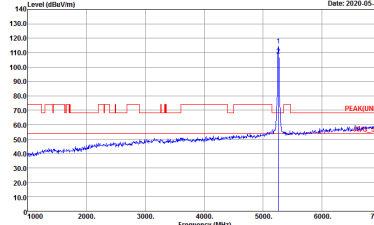
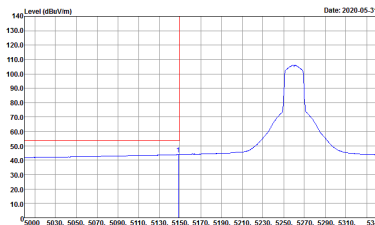
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

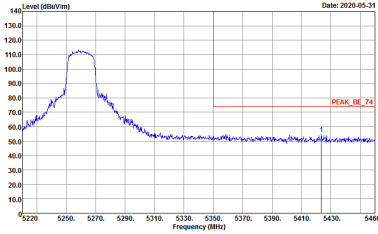
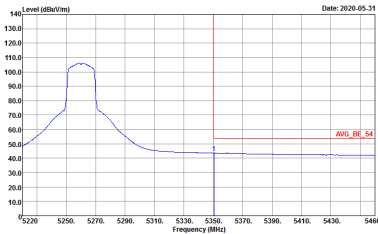


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

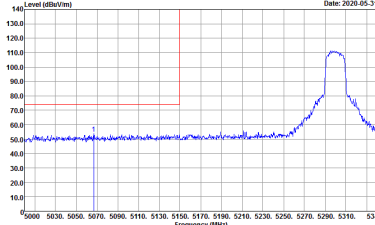
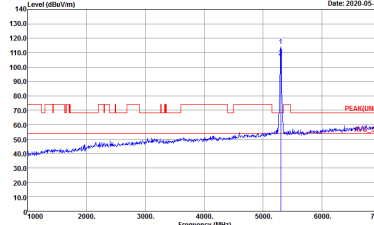
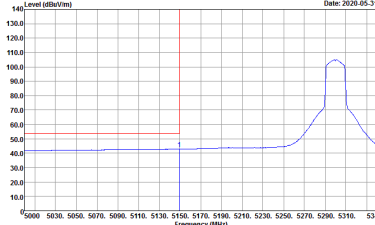


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank

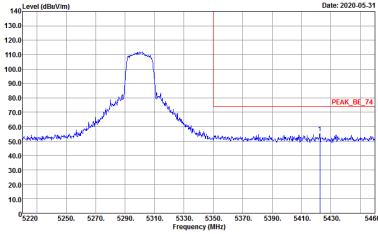
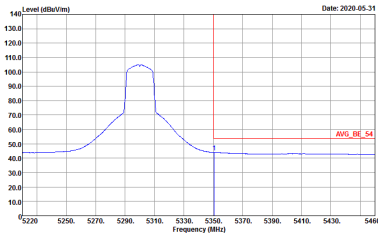


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

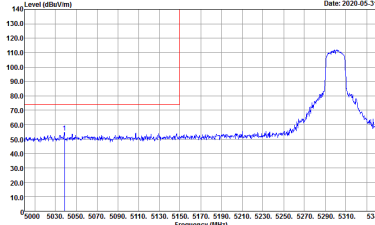
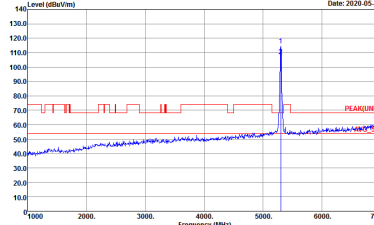
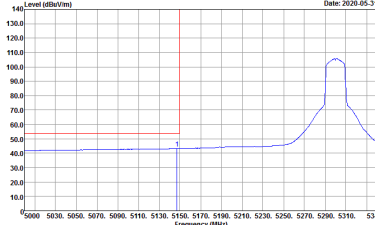


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

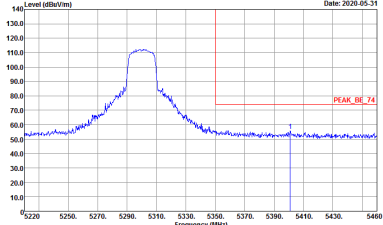
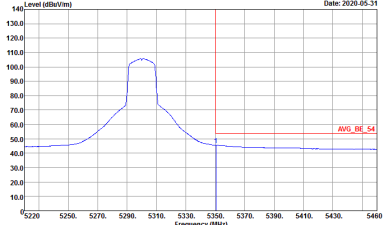


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

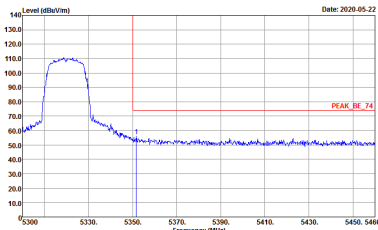
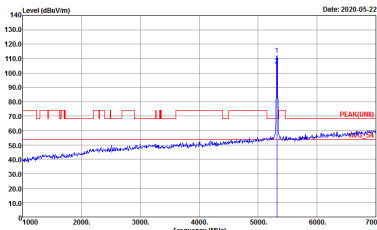
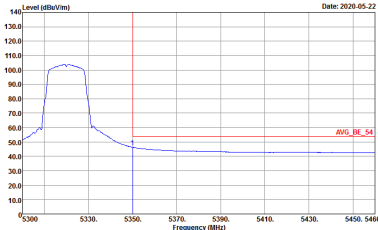


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



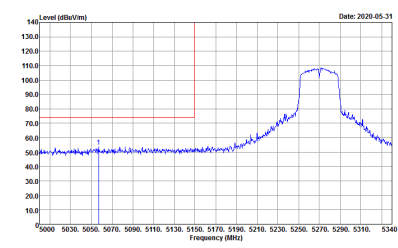
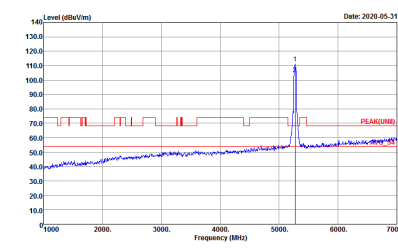
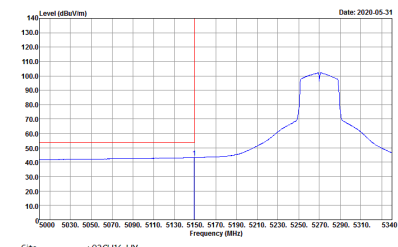
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNB) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



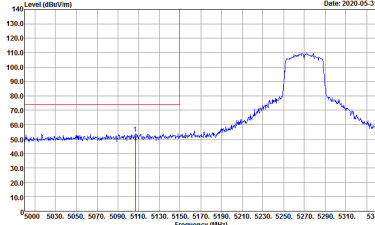
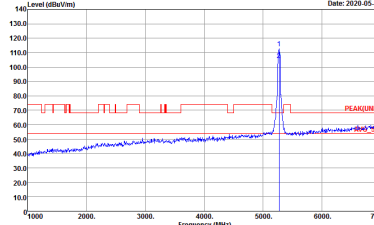
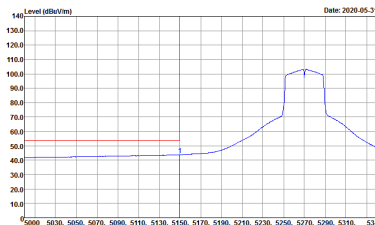
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank

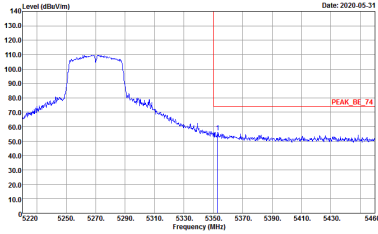
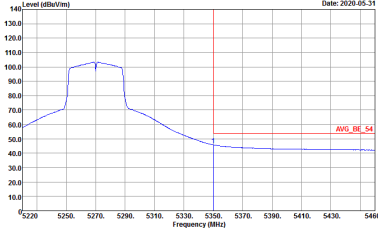


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

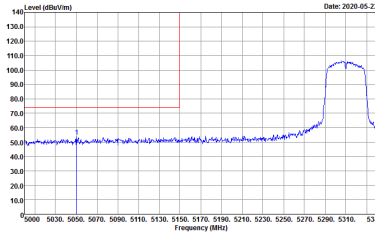
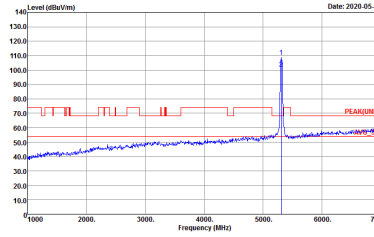
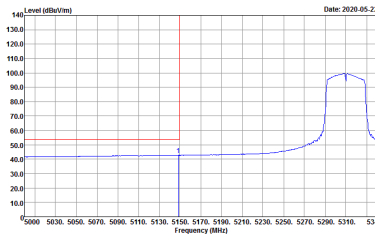


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Vertical	Vertical
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

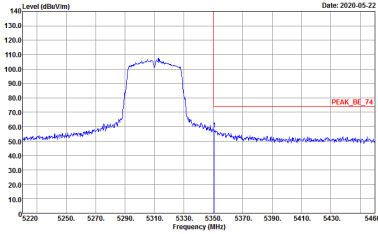
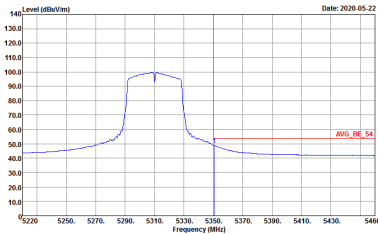


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Vertical	Vertical
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

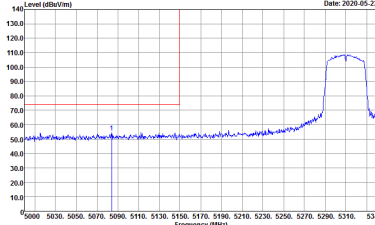
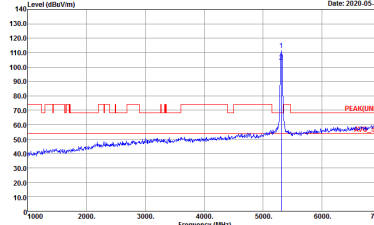
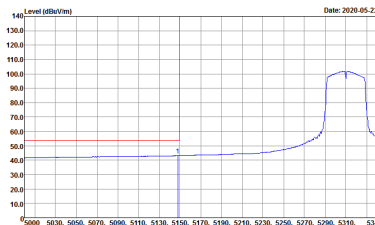


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNI) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



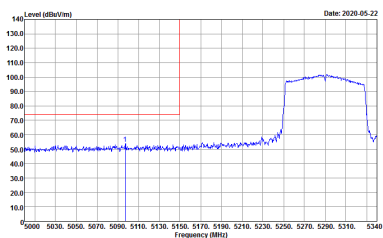
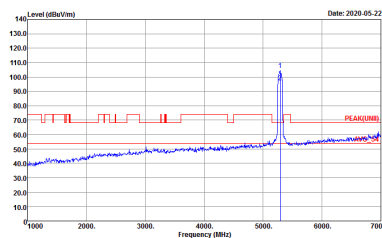
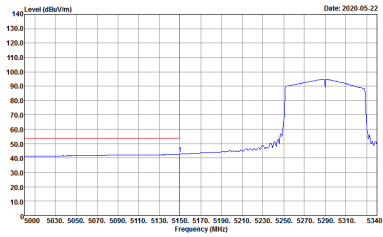
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank



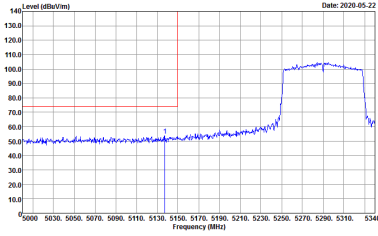
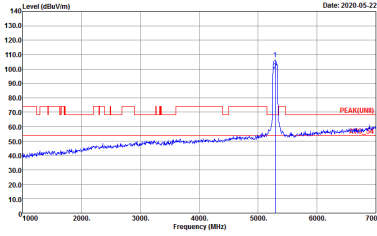
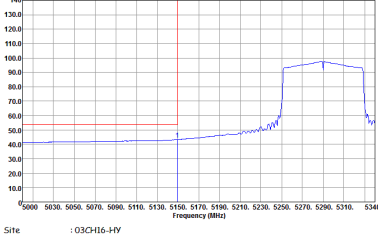
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AV6_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

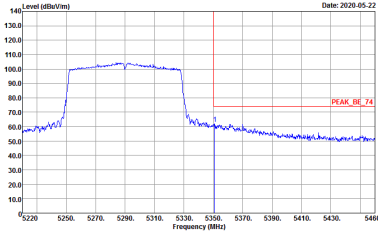


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-FY Condition : PEAK(LINEI) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-FY Condition : PEAK(LINEI) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



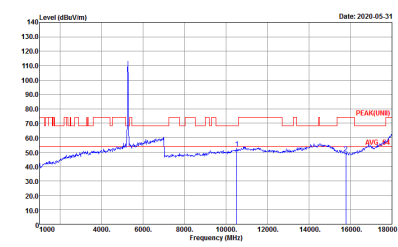
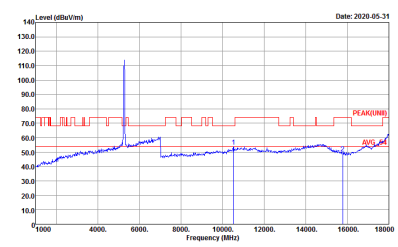
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



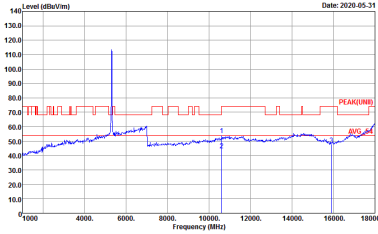
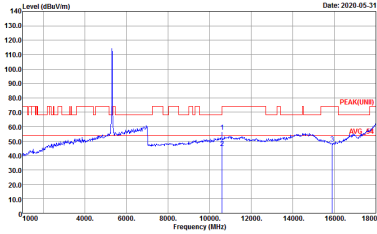
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(LINII) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



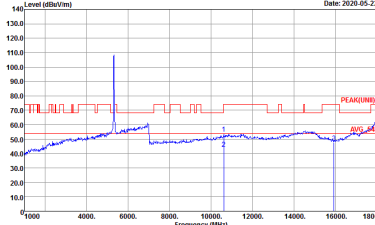
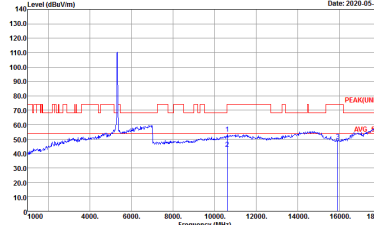
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 9120D_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(LINE) 3m 9120D_1522 VERTICAL Detector : Peak Project : 020110-01</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
<p>Peak Avg.</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



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

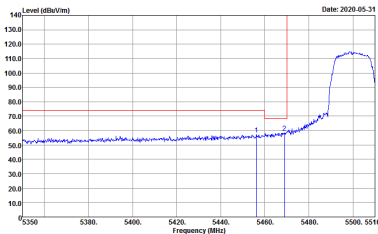
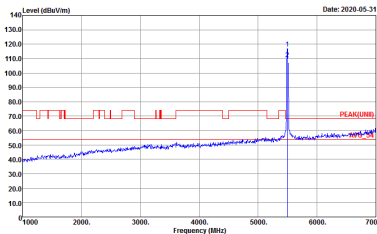
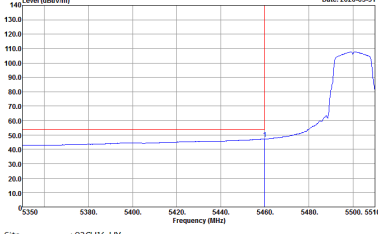
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>



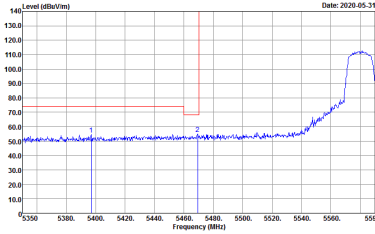
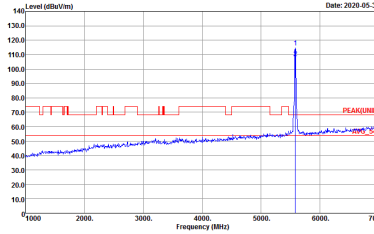
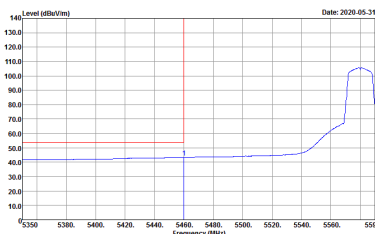
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

Table with 2 columns (Horizontal/Fundamental) and 2 rows (Peak/Avg.). Contains spectral plots and technical parameters for Band 3 5470~5725MHz Band Edge @ 3m.



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-05-31</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-31</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-05-31</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

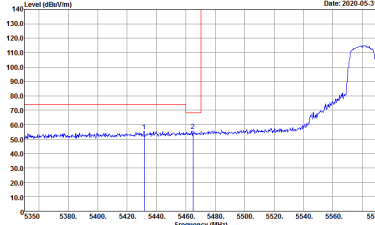
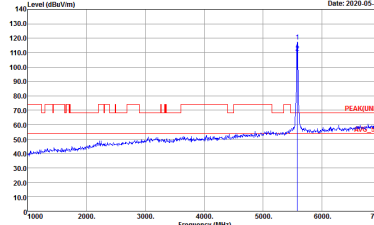
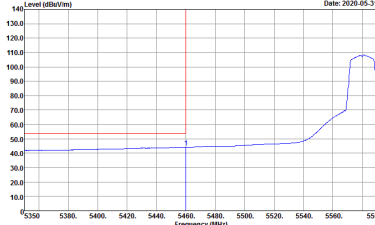


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank

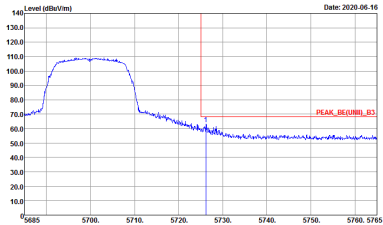
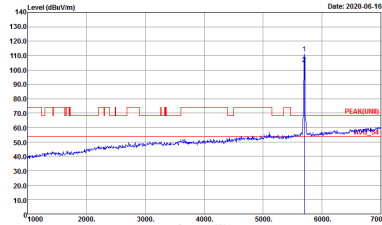


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-06-16</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>



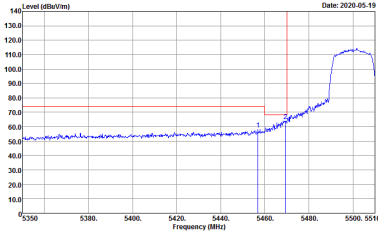
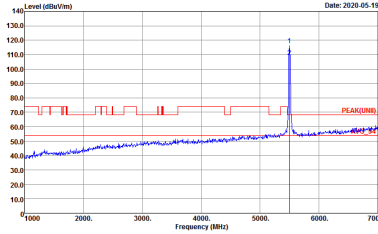
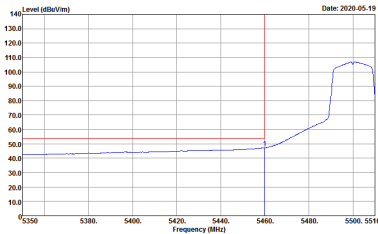
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNI)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNI) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>



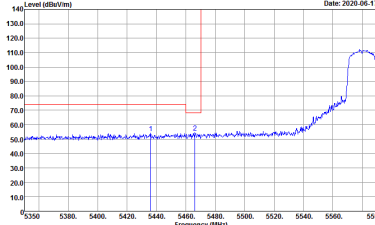
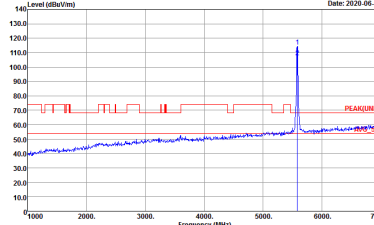
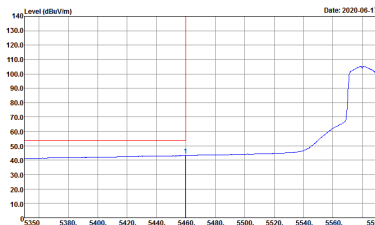
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (1+2, Peak). It contains spectral analysis graphs for Horizontal and Fundamental signals, and an Avg. graph. The Fundamental graph shows a peak at 5725 MHz.



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

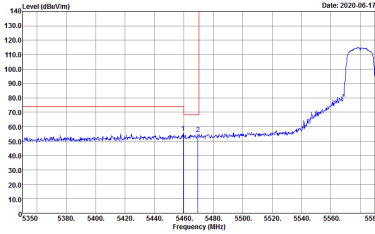
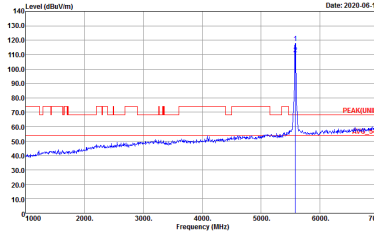
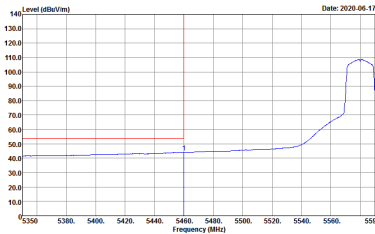


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>

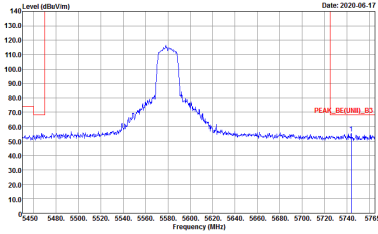


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank

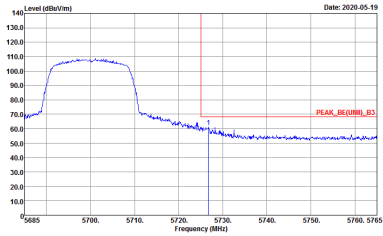
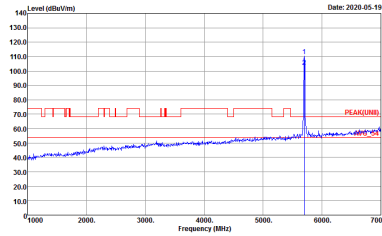


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

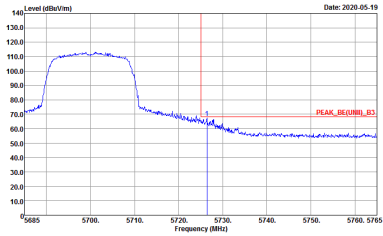
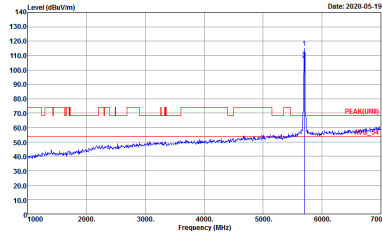


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank



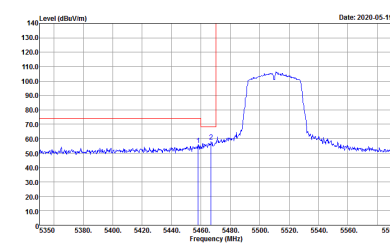
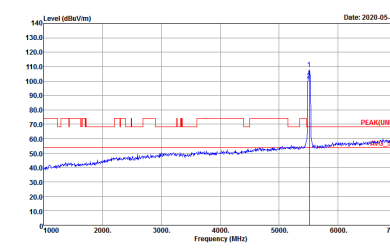
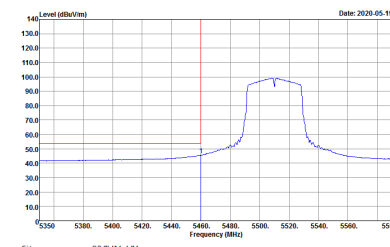
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-05-19</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-19</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak.	 <p>Date: 2020-05-19</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNI)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-19</p> <p>Site : 03CH16-HY Condition : PEAK(UNI) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>



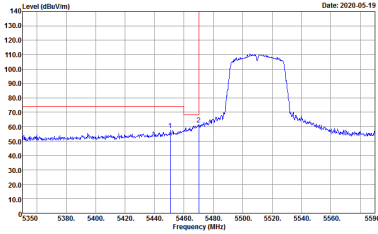
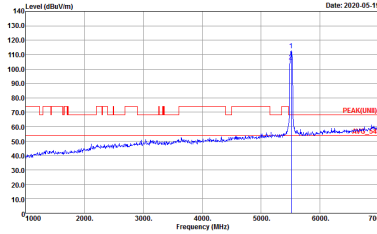
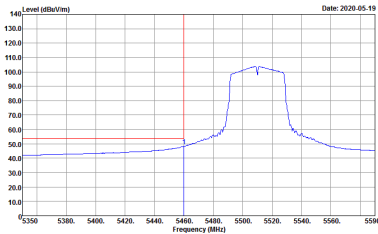
**Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

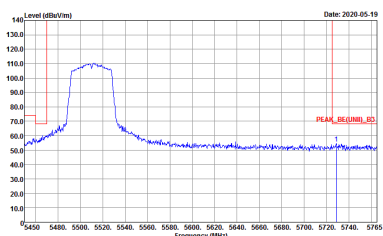


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank

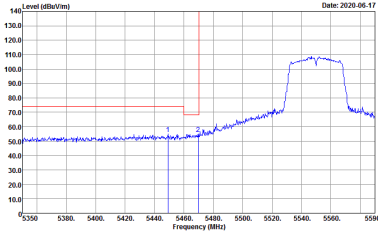
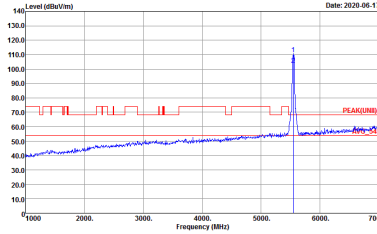
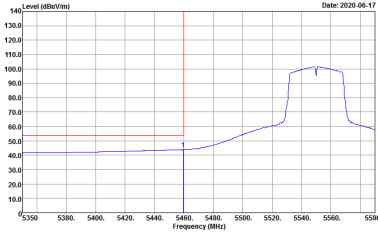


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank

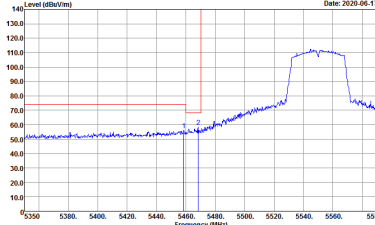
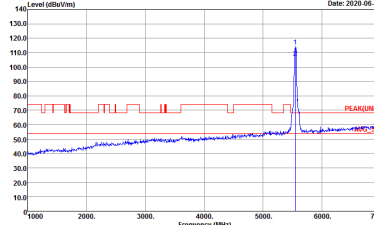
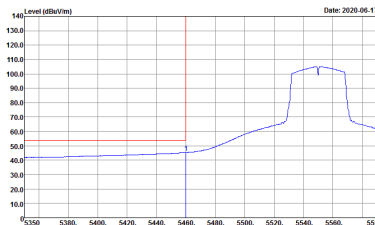


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank

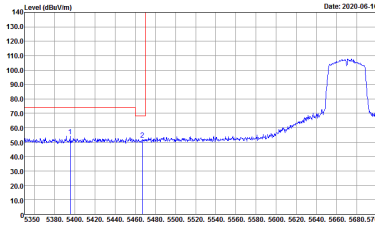
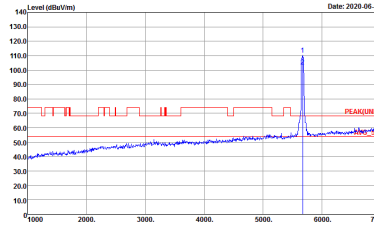
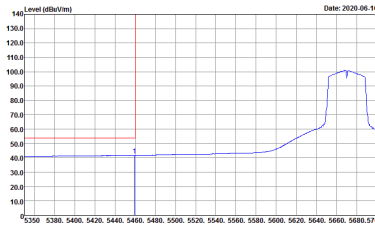


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Date: 2020-06-16</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-06-16</p> <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-06-16</p> <p>Site : 03CH16-HY Condition : AVG_SEC(UNII)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-FY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



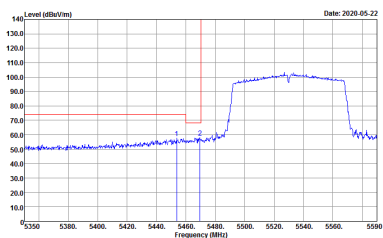
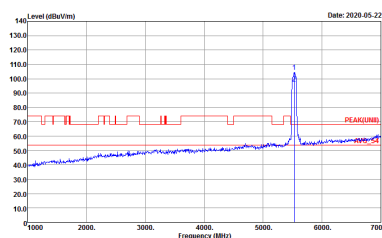
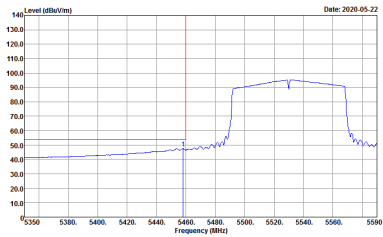
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	<p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank



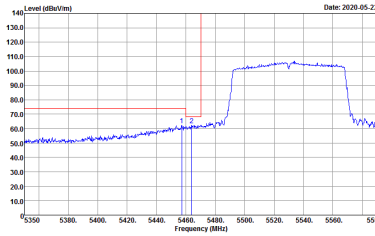
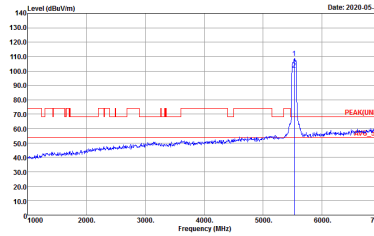
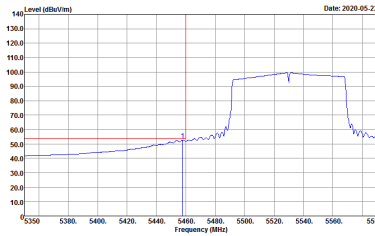
**Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16+HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank

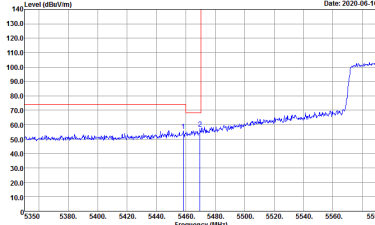
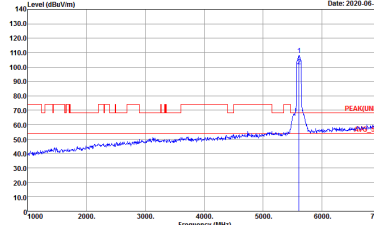
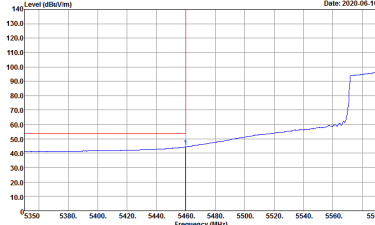


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Date: 2020-05-22</p> <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 020110-01</p>	Left blank

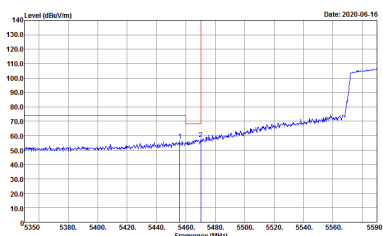
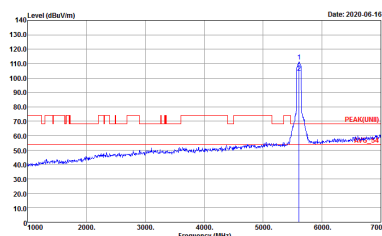
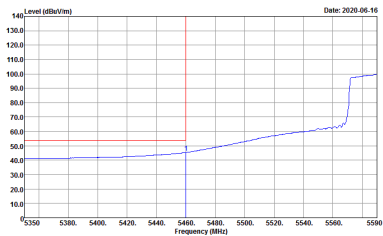


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
<p>Avg.</p>	 <p>Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	<p>Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>	 <p>Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 020110-01</p>
Avg.	 <p>Site : 03CH16-HY Condition : AVG_BE(UNII)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 020110-01</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL Detector : Peak Project : 020110-01</p>	Left blank