

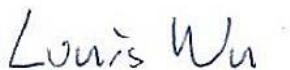
FCC RADIO TEST REPORT

FCC ID : P4Q-N630A
Equipment : Tablet
Brand Name : MiTAC, Mio, NAVMAN, MAGELLAN
Model Name : N630
Applicant : MiTAC Digital Technology Corporation
No.200, Wen Hua 2nd Rd., Guishan Dist.,
Taoyuan City 333, Taiwan (R.O.C.)
Manufacturer : MITAC Computer (Kunshan) Co., Ltd.
No. 269, 2nd Avenue, District A, Comprehensive
Free Trade Zone, 300 Kunshan, China
Standard : FCC Part 15 Subpart E §15.407

The product was received on Aug. 13, 2019 and testing was started from Aug. 26, 2019 and completed on Sep. 27, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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



Reviewed 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
FR981324-01E	01	Initial issue of report	Oct. 09, 2019

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 2.24 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 11.96 dB at 0.155 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Wii Chang

Report Producer: Ann Lee



1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WLAN: PIFA Antenna Bluetooth: PIFA Antenna NFC: Loop Antenna

1.2 Modification of EUT

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

1.3 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

1.4 Applicable Standards

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

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

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 [#]	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 [#]	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

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

Note:

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

2.2 Test Mode

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

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 + H-Pattern + USB Mouse + USB-C Flash Drive (Data Link) + AC Adapter



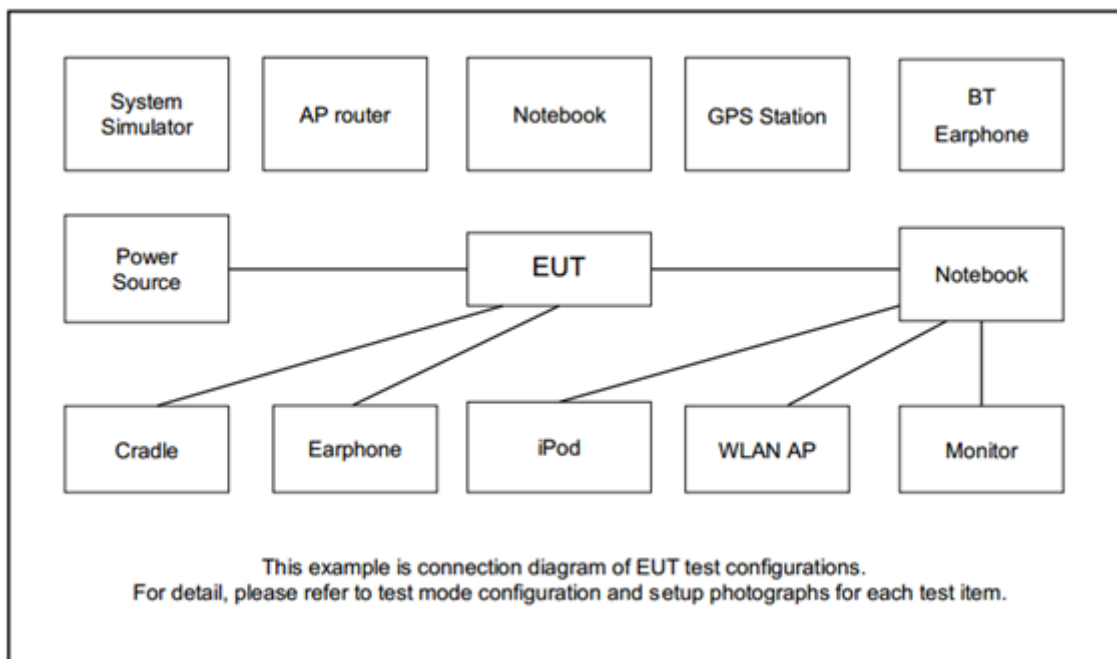
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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	-
H	High	-	-	122
Straddle		-	-	138

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	USB Flash Drive	SanDisk	CruzerGlide 3.0	FCC DoC	Shielded, 0.1m	N/A
5.	Mouse	Logitech	M90	FCC DoC	Unshielded, 1.8 m	N/A



2.5 EUT Operation Test Setup

The RF test items, utility "QRCT_3.0.271.0" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

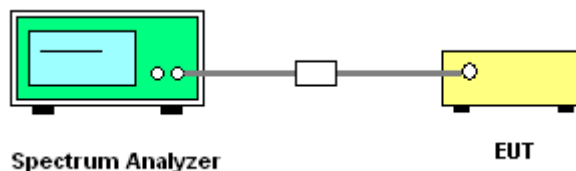
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

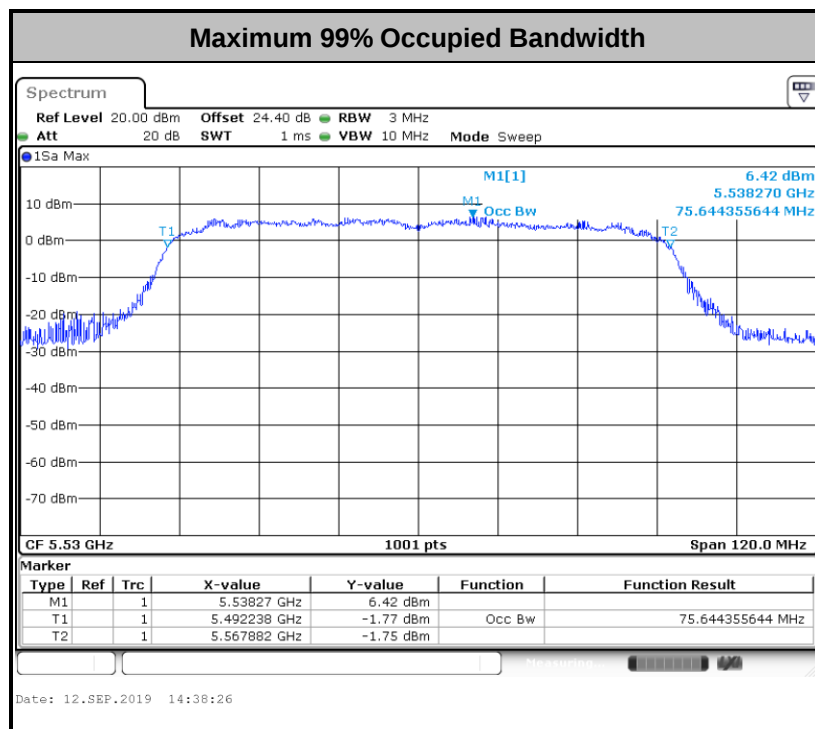
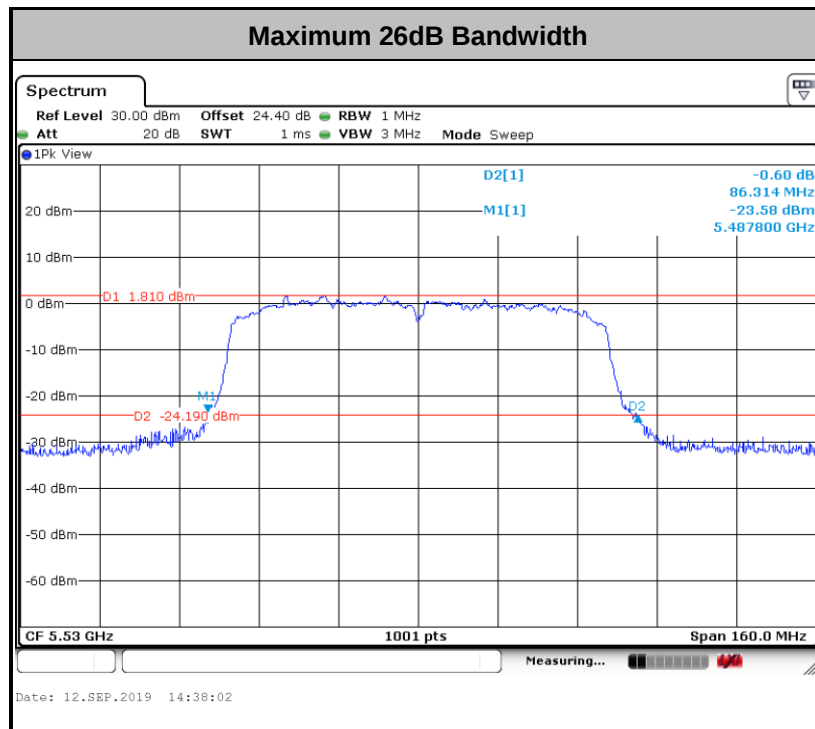
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

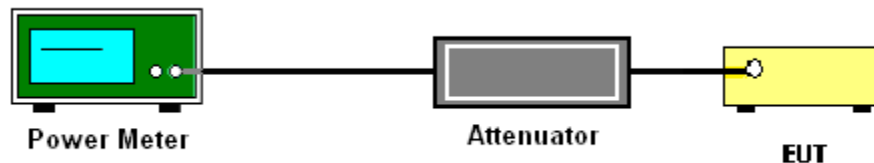
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

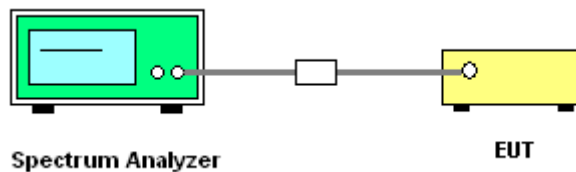
Section F) Maximum power spectral density.

Method SA-3

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

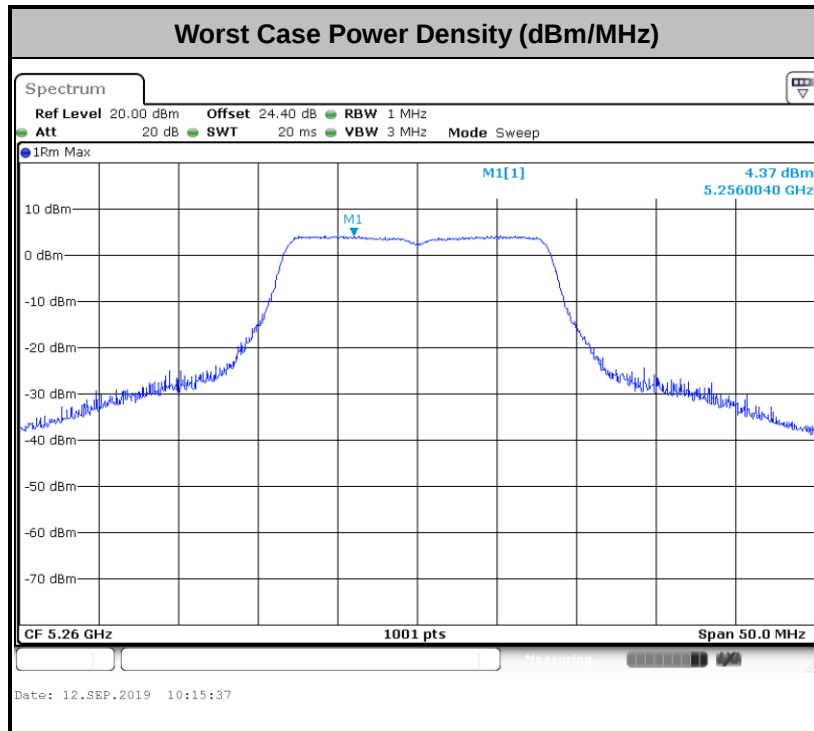
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
 - Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

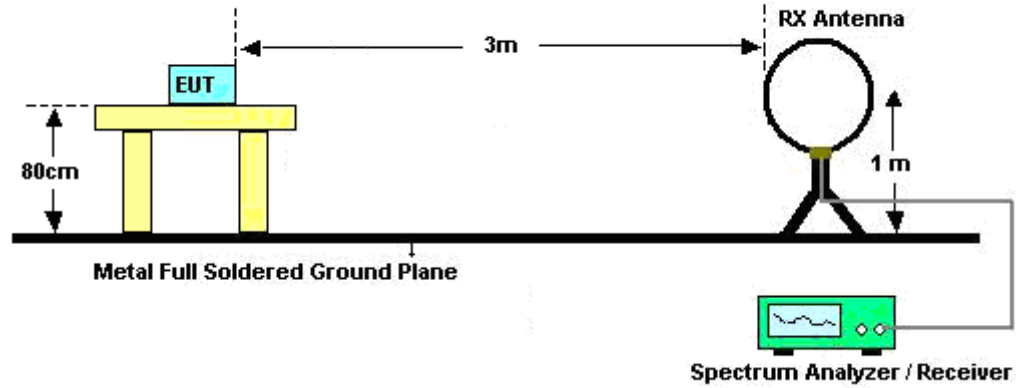
- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

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

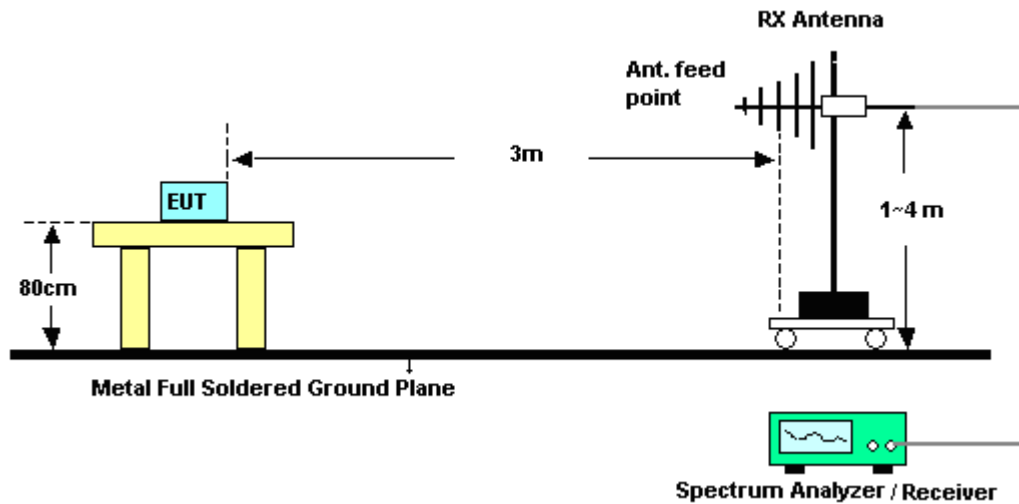
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
 3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
 4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
 5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
 6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
 7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

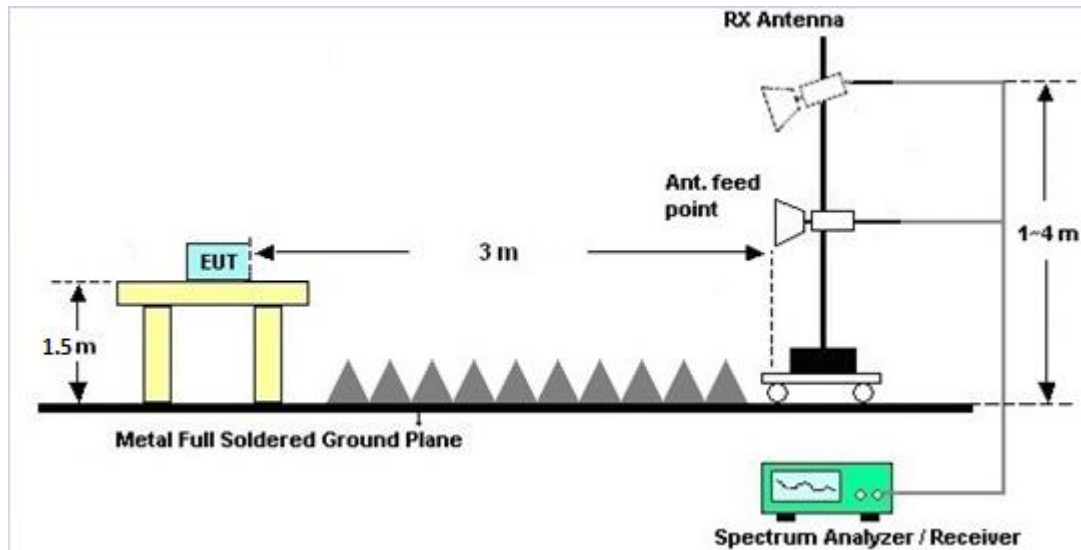
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

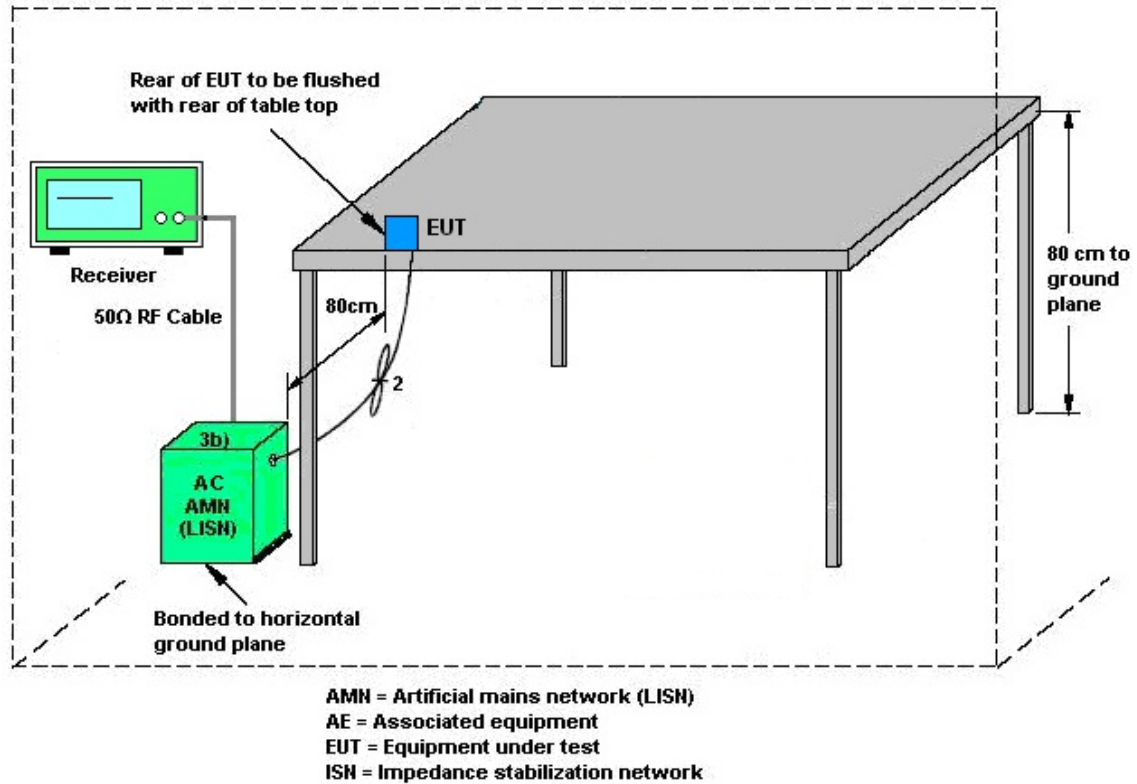
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	13I00030S NO32	9kHz~6GHz	Dec. 03, 2018	Aug. 26, 2019~ Sep. 09, 2019	Dec. 02, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101397	10Hz~40GHz	Nov. 13, 2018	Aug. 26, 2019~ Sep. 09, 2019	Nov. 12, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC120838 2	N/A	Mar. 27, 2019	Aug. 26, 2019~ Sep. 09, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 30, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 12, 2018	Aug. 30, 2019	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Aug. 30, 2019	Nov. 13, 2019	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Aug. 30, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Aug. 30, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Aug. 30, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 11, 2019	Sep. 04, 2019~ Sep. 27, 2019	Jan. 10, 2020	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL6111D&0 0802N1D01N- 06	47020&06	30MHz to 1GHz	Oct. 13, 2018	Sep. 04, 2019~ Sep. 27, 2019	Oct. 12, 2019	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-021 14	1G~18GHz	Jul. 31, 2019	Sep. 04, 2019~ Sep. 27, 2019	Jul. 30, 2020	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170 251	18GHz ~ 40GHz	Nov. 20, 2018	Sep. 04, 2019~ Sep. 27, 2019	Nov. 19, 2019	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1000MHz	Oct. 02, 2018	Sep. 04, 2019~ Sep. 27, 2019	Oct. 01, 2019	Radiation (03CH16-HY)
Preamplifier	Jet-Power	JPA0118-55-3 03	171000180 0054001	1GHz~18GHz	May 19, 2019	Sep. 04, 2019~ Sep. 27, 2019	May 18, 2020	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY532702 64	1GHz~26.5GHz	Dec. 12, 2018	Sep. 04, 2019~ Sep. 27, 2019	Dec.11, 2019	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 06, 2018	Sep. 04, 2019~ Sep. 27, 2019	Dec. 05, 2019	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A (MXE)	MY572901 11	3Hz~26.5GHz	Nov. 29, 2018	Sep. 04, 2019~ Sep. 27, 2019	Nov. 28, 2019	Radiation (03CH16-HY)
Spectrum Analyzer	Agilent	N9010A	MY542004 86	10Hz~44GHz	Oct. 19, 2018	Sep. 04, 2019~ Sep. 27, 2019	Oct. 18, 2019	Radiation (03CH16-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	MY1082/2 6EA	30M-18G	Oct. 15, 2018	Sep. 04, 2019~ Sep. 27, 2019	Oct. 14, 2019	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/ 4	30M~18GHz	Apr. 15, 2019	Sep. 04, 2019~ Sep. 27, 2019	Apr. 14, 2020	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz~40GHz	Feb. 26, 2019	Sep. 04, 2019~ Sep. 27, 2019	Feb. 25, 2020	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Sep. 04, 2019~ Sep. 27, 2019	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% ($U = 2Uc(y)$)	2.2
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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% ($U = 2Uc(y)$)	5.8
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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/ Eason Huang	Temperature:	21~25	°C
Test Date:	2019/8/26~2019/9/12	Relative Humidity:	51~54	%
TX Tool	QRCT	TX Tool Version	V3.0.303.0	

TEST RESULTS DATA
26dB and 99% OBW

Band I													
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	1	36	5180	17.18	-	34.72	-	-	-	22.35	-	
11a	6Mbps	1	44	5220	17.23	-	26.02	-	-	-	22.36	-	
11a	6Mbps	1	48	5240	17.23	-	33.32	-	-	-	22.36	-	
HT20	MCS0	1	36	5180	18.18	-	29.32	-	-	-	22.60	-	
HT20	MCS0	1	44	5220	18.18	-	30.92	-	-	-	22.60	-	
HT20	MCS0	1	48	5240	18.23	-	30.67	-	-	-	22.61	-	
HT40	MCS0	1	38	5190	36.76	-	46.03	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	36.86	-	48.19	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	75.41	-	84.88	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I													
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	1	36	5180	14.90	-		24.00	-	3.10	-		Pass
11a	6Mbps	1	44	5220	14.90	-		24.00	-	3.10	-		Pass
11a	6Mbps	1	48	5240	14.80	-		24.00	-	3.10	-		Pass
HT20	MCS0	1	36	5180	14.80	-		24.00	-	3.10	-		Pass
HT20	MCS0	1	44	5220	14.80	-		24.00	-	3.10	-		Pass
HT20	MCS0	1	48	5240	14.70	-		24.00	-	3.10	-		Pass
HT40	MCS0	1	38	5190	13.40	-		24.00	-	3.10	-		Pass
HT40	MCS0	1	46	5230	14.70	-		24.00	-	3.10	-		Pass
VHT20	MCS0	1	36	5180	13.50	-		24.00	-	3.10	-		Pass
VHT20	MCS0	1	44	5220	13.50	-		24.00	-	3.10	-		Pass
VHT20	MCS0	1	48	5240	13.50	-		24.00	-	3.10	-		Pass
VHT40	MCS0	1	38	5190	12.80	-		24.00	-	3.10	-		Pass
VHT40	MCS0	1	46	5230	12.60	-		24.00	-	3.10	-		Pass
VHT80	MCS0	1	42	5210	12.50	-		24.00	-	3.10	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I												
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	1	36	5180	3.76	-		11.00	-	3.10	-	Pass
11a	6Mbps	1	44	5220	3.81	-		11.00	-	3.10	-	Pass
11a	6Mbps	1	48	5240	4.09	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	36	5180	3.50	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	44	5220	3.72	-		11.00	-	3.10	-	Pass
HT20	MCS0	1	48	5240	3.90	-		11.00	-	3.10	-	Pass
HT40	MCS0	1	38	5190	-0.44	-		11.00	-	3.10	-	Pass
HT40	MCS0	1	46	5230	0.82	-		11.00	-	3.10	-	Pass
VHT80	MCS0	1	42	5210	-4.49	-		11.00	-	3.10	-	Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II															
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	1	52	5260	17.33	-	32.17	-	23.39	-	29.39	-	23.98	-	
11a	6Mbps	1	60	5300	17.33	-	31.52	-	23.39	-	29.39	-	23.98	-	
11a	6Mbps	1	64	5320	17.33	-	32.52	-	23.39	-	29.39	-	23.98	-	
HT20	MCS0	1	52	5260	18.23	-	27.82	-	23.61	-	29.61	-	23.98	-	
HT20	MCS0	1	60	5300	18.28	-	31.17	-	23.62	-	29.62	-	23.98	-	
HT20	MCS0	1	64	5320	18.18	-	31.07	-	23.60	-	29.60	-	23.98	-	
HT40	MCS0	1	54	5270	36.96	-	50.26	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.86	-	46.84	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.52	-	84.88	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA**Average Power Table**

FCC Band II													
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	1	52	5260	14.90	-		23.98	-	3.10	-	26.99	Pass
11a	6Mbps	1	60	5300	14.90	-		23.98	-	3.10	-	26.99	Pass
11a	6Mbps	1	64	5320	14.90	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	52	5260	14.70	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	60	5300	14.60	-		23.98	-	3.10	-	26.99	Pass
HT20	MCS0	1	64	5320	14.80	-		23.98	-	3.10	-	26.99	Pass
HT40	MCS0	1	54	5270	14.50	-		23.98	-	3.10	-	26.99	Pass
HT40	MCS0	1	62	5310	13.30	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	52	5260	13.50	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	60	5300	13.80	-		23.98	-	3.10	-	26.99	Pass
VHT20	MCS0	1	64	5320	13.60	-		23.98	-	3.10	-	26.99	Pass
VHT40	MCS0	1	54	5270	12.90	-		23.98	-	3.10	-	26.99	Pass
VHT40	MCS0	1	62	5310	12.50	-		23.98	-	3.10	-	26.99	Pass
VHT80	MCS0	1	58	5290	12.70	-		23.98	-	3.10	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II													
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	1	52	5260	4.37	-		11.00	-	3.10	-		Pass
11a	6Mbps	1	60	5300	3.91	-		11.00	-	3.10	-		Pass
11a	6Mbps	1	64	5320	3.93	-		11.00	-	3.10	-		Pass
HT20	MCS0	1	52	5260	3.75	-		11.00	-	3.10	-		Pass
HT20	MCS0	1	60	5300	3.78	-		11.00	-	3.10	-		Pass
HT20	MCS0	1	64	5320	3.69	-		11.00	-	3.10	-		Pass
HT40	MCS0	1	54	5270	0.70	-		11.00	-	3.10	-		Pass
HT40	MCS0	1	62	5310	-0.34	-		11.00	-	3.10	-		Pass
VHT80	MCS0	1	58	5290	-3.98	-		11.00	-	3.10	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III																
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	1	100	5500	17.23	-	26.47	-	23.36	-	29.36	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.33	-	35.22	-	23.39	-	29.39	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.38	-	34.32	-	23.40	-	29.40	-	23.98	-	----	----
11a	6Mbps	1	144	5720	13.74	-	22.98	-	22.38	-	28.38	-	23.98	-	3.192	-
HT20	MCS0	1	100	5500	18.18	-	24.18	-	23.60	-	29.60	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.33	-	38.16	-	23.63	-	29.63	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.43	-	36.76	-	23.66	-	29.66	-	23.98	-	----	----
HT20	MCS0	1	144	5720	14.19	-	24.18	-	22.52	-	28.52	-	23.98	-	3.791	-
HT40	MCS0	1	102	5510	36.96	-	46.93	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	37.16	-	49.63	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	37.16	-	72.38	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	142	5710	33.58	-	50.87	-	23.98	-	30.00	-	23.98	-	2.533	-
VHT80	MCS0	1	106	5530	75.64	-	86.31	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.52	-	85.99	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	138	5690	72.88	-	77.20	-	23.98	-	30.00	-	23.98	-	2.565	-

TEST RESULTS DATA
Average Power Table

FCC Band III													
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	1	100	5500	10.70	-		23.98	-	3.60	-	26.99	Pass
11a	6Mbps	1	116	5580	10.80	-		23.98	-	3.60	-	26.99	Pass
11a	6Mbps	1	140	5700	10.70	-		23.98	-	3.60	-	26.99	Pass
11a	6Mbps	1	144	5720	10.70	-		23.98	-	3.60	-	26.99	Pass
HT20	MCS0	1	100	5500	10.70	-		23.98	-	3.60	-	26.99	Pass
HT20	MCS0	1	116	5580	10.70	-		23.98	-	3.60	-	26.99	Pass
HT20	MCS0	1	140	5700	10.50	-		23.98	-	3.60	-	26.99	Pass
HT20	MCS0	1	144	5720	10.50	-		23.98	-	3.60	-	26.99	Pass
HT40	MCS0	1	102	5510	10.60	-		23.98	-	3.60	-	26.99	Pass
HT40	MCS0	1	110	5550	10.70	-		23.98	-	3.60	-	26.99	Pass
HT40	MCS0	1	134	5670	10.70	-		23.98	-	3.60	-	26.99	Pass
HT40	MCS0	1	142	5710	10.70	-		23.98	-	3.60	-	26.99	Pass
VHT20	MCS0	1	100	5500	10.60	-		23.98	-	3.60	-	26.99	Pass
VHT20	MCS0	1	116	5580	10.60	-		23.98	-	3.60	-	26.99	Pass
VHT20	MCS0	1	140	5700	10.40	-		23.98	-	3.60	-	26.99	Pass
VHT20	MCS0	1	144	5720	10.40	-		23.98	-	3.60	-	26.99	Pass
VHT40	MCS0	1	102	5510	10.50	-		23.98	-	3.60	-	26.99	Pass
VHT40	MCS0	1	110	5550	10.60	-		23.98	-	3.60	-	26.99	Pass
VHT40	MCS0	1	134	5670	10.60	-		23.98	-	3.60	-	26.99	Pass
VHT40	MCS0	1	142	5710	10.60	-		23.98	-	3.60	-	26.99	Pass
VHT80	MCS0	1	106	5530	10.20	-		23.98	-	3.60	-	26.99	Pass
VHT80	MCS0	1	122	5610	10.00	-		23.98	-	3.60	-	26.99	Pass
VHT80	MCS0	1	138	5690	10.10	-		23.98	-	3.60	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III													
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	1	100	5500	-0.36	-		11.00	-	3.60	-		Pass
11a	6Mbps	1	116	5580	-0.08	-		11.00	-	3.60	-		Pass
11a	6Mbps	1	140	5700	0.05	-		11.00	-	3.60	-		Pass
11a	6Mbps	1	144	5720	-0.15	-		11.00	-	3.60	-		Pass
HT20	MCS0	1	100	5500	-0.49	-		11.00	-	3.60	-		Pass
HT20	MCS0	1	116	5580	-0.19	-		11.00	-	3.60	-		Pass
HT20	MCS0	1	140	5700	-0.10	-		11.00	-	3.60	-		Pass
HT20	MCS0	1	144	5720	-0.35	-		11.00	-	3.60	-		Pass
HT40	MCS0	1	102	5510	-3.35	-		11.00	-	3.60	-		Pass
HT40	MCS0	1	110	5550	-3.31	-		11.00	-	3.60	-		Pass
HT40	MCS0	1	134	5670	-2.98	-		11.00	-	3.60	-		Pass
HT40	MCS0	1	142	5710	-3.14	-		11.00	-	3.60	-		Pass
VHT80	MCS0	1	106	5530	-6.57	-		11.00	-	3.60	-		Pass
VHT80	MCS0	1	122	5610	-6.13	-		11.00	-	3.60	-		Pass
VHT80	MCS0	1	138	5690	-6.58	-		11.00	-	3.60	-		Pass



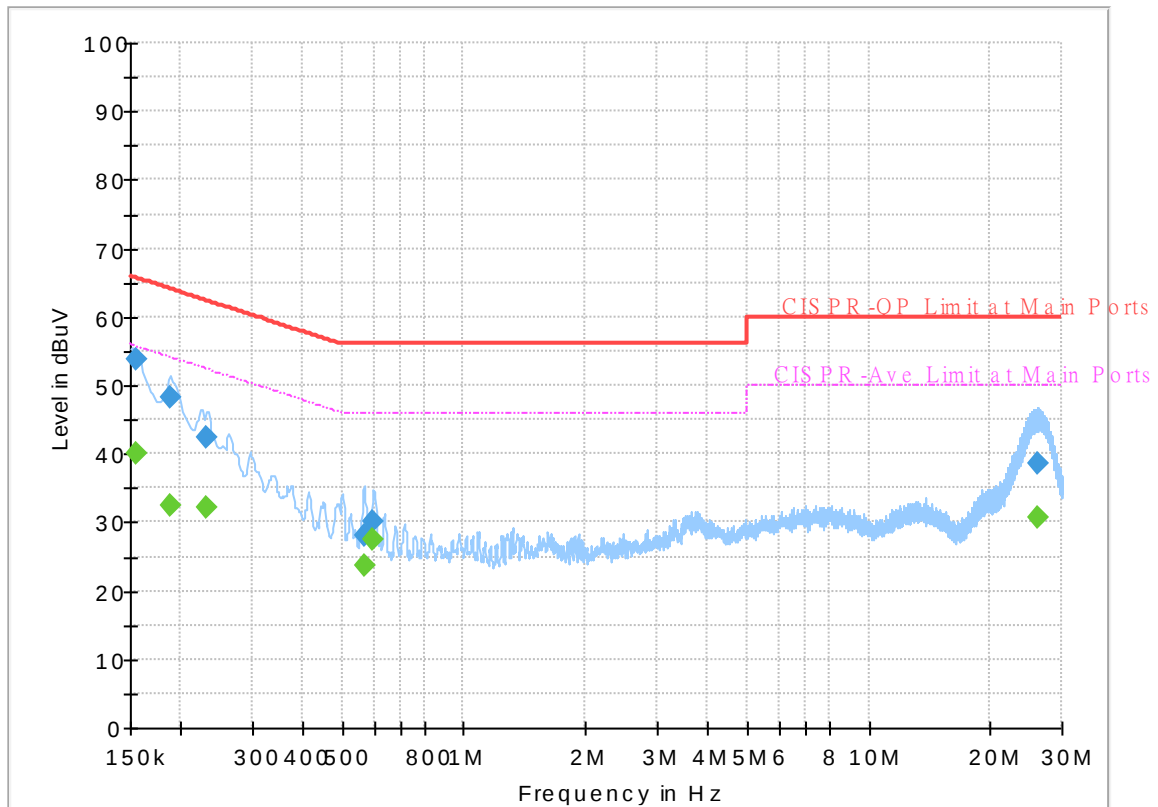
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	25.5~26.2℃
		Relative Humidity :	43.5~48.6%

EUT Information

Report NO : 981324-01
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



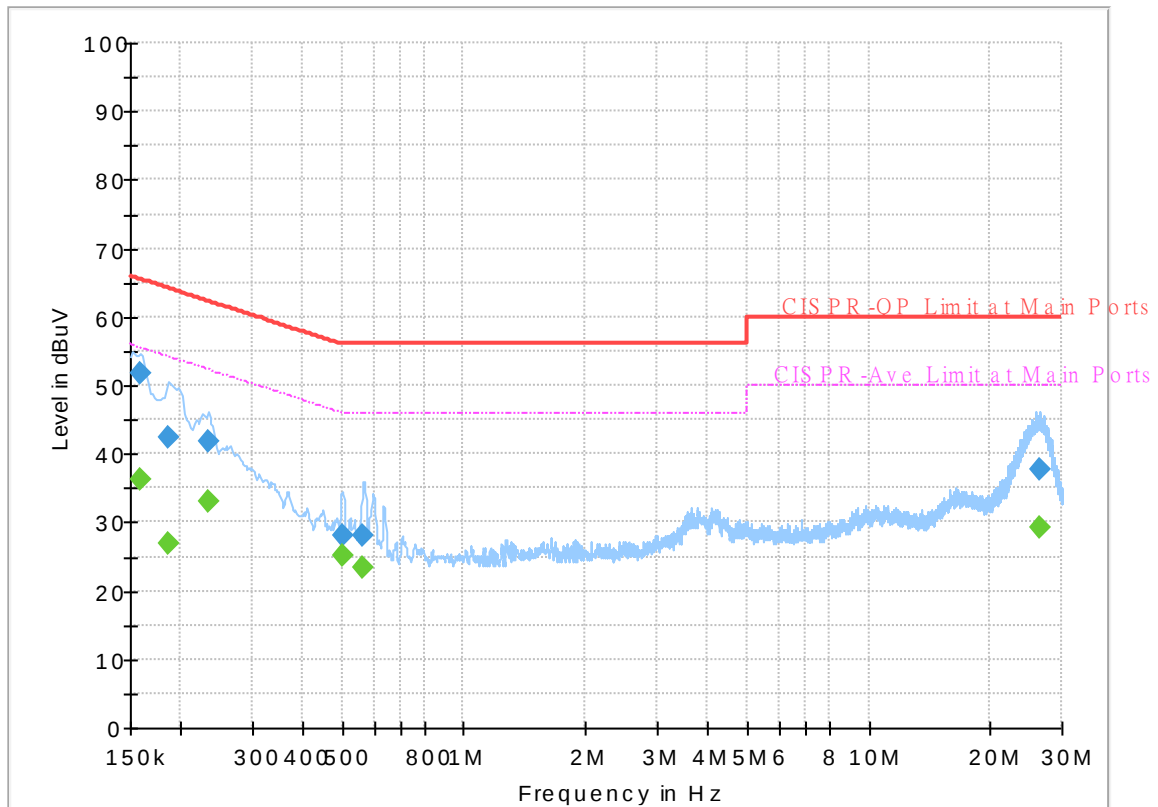
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	40.11	55.75	15.64	L1	OFF	19.4
0.154500	53.79	---	65.75	11.96	L1	OFF	19.4
0.188250	---	32.31	54.11	21.80	L1	OFF	19.4
0.188250	48.31	---	64.11	15.80	L1	OFF	19.4
0.231000	---	32.30	52.41	20.12	L1	OFF	19.4
0.231000	42.33	---	62.41	20.08	L1	OFF	19.4
0.566250	---	23.76	46.00	22.24	L1	OFF	19.4
0.566250	28.01	---	56.00	27.99	L1	OFF	19.4
0.597750	---	27.49	46.00	18.51	L1	OFF	19.4
0.597750	30.20	---	56.00	25.80	L1	OFF	19.4
26.263500	---	30.67	50.00	19.33	L1	OFF	19.7
26.263500	38.52	---	60.00	21.48	L1	OFF	19.7

EUT Information

Report NO : 981324-01
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)
0.159000	---	36.24	55.52	19.27	N	OFF	19.4
0.159000	51.69	---	65.52	13.83	N	OFF	19.4
0.186000	---	27.04	54.21	27.18	N	OFF	19.4
0.186000	42.45	---	64.21	21.76	N	OFF	19.4
0.233250	---	33.19	52.33	19.15	N	OFF	19.4
0.233250	41.83	---	62.33	20.50	N	OFF	19.4
0.501000	---	25.23	46.00	20.77	N	OFF	19.5
0.501000	28.17	---	56.00	27.83	N	OFF	19.5
0.564000	---	23.49	46.00	22.51	N	OFF	19.5
0.564000	28.08	---	56.00	27.92	N	OFF	19.5
26.342250	---	29.12	50.00	20.88	N	OFF	19.9
26.342250	37.69	---	60.00	22.31	N	OFF	19.9



Appendix C. Radiated Spurious Emission

Test Engineer :	Jacky Hung, Andy Yang and CR Liro	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	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.42	57.63	-16.37	74	42.41	32.62	12.32	29.72	100	29	P	H
		5127.92	48.17	-5.83	54	32.95	32.65	12.29	29.72	100	29	A	H
	*	5180	109.64	-	-	94.42	32.58	12.36	29.72	100	29	P	H
	*	5180	100.55	-	-	85.33	32.58	12.36	29.72	100	29	A	H
													H
													H
		5149.76	60.07	-13.93	74	44.85	32.62	12.32	29.72	266	249	P	V
		5127.92	47.14	-6.86	54	31.92	32.65	12.29	29.72	266	249	A	V
	*	5180	108.09	-	-	92.87	32.58	12.36	29.72	266	249	P	V
	*	5180	99.99	-	-	84.77	32.58	12.36	29.72	266	249	A	V
													V
													V



802.11a CH 44 5220MHz		5097.5	53.53	-20.47	74	38.32	32.68	12.25	29.72	139	31	P	H
		5034.32	42.21	-11.79	54	26.99	32.76	12.17	29.71	139	31	A	H
	*	5220	109.54	-	-	94.31	32.54	12.41	29.72	139	31	P	H
	*	5220	100.77	-	-	85.54	32.54	12.41	29.72	139	31	A	H
		5363.12	53.45	-20.55	74	38.28	32.36	12.54	29.73	139	31	P	H
		5415.48	42.11	-11.89	54	26.93	32.3	12.61	29.73	139	31	A	H
		5122.72	54.12	-19.88	74	38.9	32.65	12.29	29.72	245	253	P	V
		5122.72	42.11	-11.89	54	26.89	32.65	12.29	29.72	245	253	A	V
	*	5220	107.62	-	-	92.39	32.54	12.41	29.72	245	253	P	V
	*	5220	98.83	-	-	83.6	32.54	12.41	29.72	245	253	A	V
		5386.08	52.95	-21.05	74	37.77	32.34	12.57	29.73	245	253	P	V
		5404.28	41.56	-12.44	54	26.39	32.31	12.59	29.73	245	253	A	V
802.11a CH 48 5240MHz		5084.24	53.62	-20.38	74	38.41	32.7	12.23	29.72	100	10	P	H
		5053.04	42.09	-11.91	54	26.87	32.74	12.19	29.71	100	10	A	H
	*	5240	110.13	-	-	94.91	32.51	12.43	29.72	100	10	P	H
	*	5240	100.76	-	-	85.54	32.51	12.43	29.72	100	10	A	H
		5430.04	53.86	-20.14	74	38.68	32.28	12.64	29.74	100	10	P	H
		5436.2	42.29	-11.71	54	27.1	32.28	12.65	29.74	100	10	A	H
		5126.36	53.42	-20.58	74	38.2	32.65	12.29	29.72	215	258	P	V
		5089.96	42.05	-11.95	54	26.84	32.69	12.24	29.72	215	258	A	V
	*	5240	107.1	-	-	91.88	32.51	12.43	29.72	215	258	P	V
	*	5240	98.1	-	-	82.88	32.51	12.43	29.72	215	258	A	V
		5374.32	53.14	-20.86	74	37.96	32.35	12.56	29.73	215	258	P	V
		5430.6	41.74	-12.26	54	26.56	32.28	12.64	29.74	215	258	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	48.12	-20.08	68.2	48.17	39.9	19.34	59.29	100	0	P	H
		15540	51.42	-22.58	74	49.12	37.9	24.35	59.95	100	62	P	H
		15540	38.66	-15.34	54	36.36	37.9	24.35	59.95	100	62	A	H
													H
		10360	48.57	-19.63	68.2	48.62	39.9	19.34	59.29	100	0	P	V
		15540	47.68	-26.32	74	45.38	37.9	24.35	59.95	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	47.14	-21.06	68.2	46.98	40.02	19.47	59.33	100	0	P	H
		15660	54.12	-19.88	74	51.76	37.9	24.34	59.88	101	48	P	H
		15660	39.09	-14.91	54	36.73	37.9	24.34	59.88	101	48	A	H
													H
		10440	48.47	-19.73	68.2	48.31	40.02	19.47	59.33	100	0	P	V
		15660	54.99	-19.01	74	52.63	37.9	24.34	59.88	166	67	P	V
		15660	38.54	-15.46	54	36.18	37.9	24.34	59.88	166	67	A	V
													V
802.11a CH 48 5240MHz		10480	47.93	-20.27	68.2	47.68	40.07	19.53	59.35	100	0	P	H
		15720	49.02	-24.98	74	46.63	37.9	24.33	59.84	100	0	P	H
													H
													H
		10480	47.44	-20.76	68.2	47.19	40.07	19.53	59.35	100	0	P	V
		15720	54.72	-19.28	74	52.33	37.9	24.33	59.84	168	63	P	V
		15720	39.89	-14.11	54	37.5	37.9	24.33	59.84	168	63	A	V
													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	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		5145.6	61.7	-12.3	74	46.47	32.63	12.32	29.72	100	29	P	H
		5150	51.76	-2.24	54	36.54	32.62	12.32	29.72	100	29	A	H
	*	5190	104.9	-	-	89.67	32.57	12.38	29.72	100	29	P	H
	*	5190	95.83	-	-	80.6	32.57	12.38	29.72	100	29	A	H
		5350	53.54	-20.46	74	38.36	32.38	12.53	29.73	100	29	P	H
		5385.8	44.21	-9.79	54	29.03	32.34	12.57	29.73	100	29	A	H
		5141.18	60.12	-13.88	74	44.9	32.63	12.31	29.72	245	248	P	V
		5148.2	50.5	-3.5	54	35.28	32.62	12.32	29.72	245	248	A	V
	*	5190	104.53	-	-	89.3	32.57	12.38	29.72	245	248	P	V
	*	5190	96.64	-	-	81.41	32.57	12.38	29.72	245	248	A	V
		5454.12	52.56	-21.44	74	37.36	32.26	12.68	29.74	245	248	P	V
		5370.68	43.78	-10.22	54	28.6	32.36	12.55	29.73	245	248	A	V
802.11n HT40 CH 46 5230MHz		5050.96	54.04	-19.96	74	38.82	32.74	12.19	29.71	100	17	P	H
		5126.62	45.65	-8.35	54	30.43	32.65	12.29	29.72	100	17	A	H
	*	5230	106.52	-	-	91.3	32.52	12.42	29.72	100	17	P	H
	*	5230	98.43	-	-	83.21	32.52	12.42	29.72	100	17	A	H
		5435.64	54.2	-19.8	74	39.01	32.28	12.65	29.74	100	17	P	H
		5427.8	44.08	-9.92	54	28.9	32.29	12.63	29.74	100	17	A	H
		5126.88	54.84	-19.16	74	39.62	32.65	12.29	29.72	242	252	P	V
		5127.66	45.48	-8.52	54	30.26	32.65	12.29	29.72	242	252	A	V
	*	5230	104.34	-	-	89.12	32.52	12.42	29.72	242	252	P	V
	*	5230	96.06	-	-	80.84	32.52	12.42	29.72	242	252	A	V
		5388.04	54.37	-19.63	74	39.2	32.33	12.57	29.73	242	252	P	V
		5437.88	43.99	-10.01	54	28.81	32.27	12.65	29.74	242	252	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.76	59.58	-14.42	74	44.36	32.62	12.32	29.72	137	29	P	H
		5148.98	49.16	-4.84	54	33.94	32.62	12.32	29.72	137	29	A	H
	*	5210	100.47	-	-	85.24	32.55	12.4	29.72	137	29	P	H
	*	5210	93.24	-	-	78.01	32.55	12.4	29.72	137	29	A	H
		5350.52	53.95	-20.05	74	38.77	32.38	12.53	29.73	137	29	P	H
		5433.96	46.03	-7.97	54	30.85	32.28	12.64	29.74	137	29	A	H
		5148.72	57.63	-16.37	74	42.41	32.62	12.32	29.72	243	251	P	V
		5144.56	49.47	-4.53	54	34.24	32.63	12.32	29.72	243	251	A	V
	*	5210	98.89	-	-	83.66	32.55	12.4	29.72	243	251	P	V
	*	5210	91.91	-	-	76.68	32.55	12.4	29.72	243	251	A	V
		5381.88	54.02	-19.98	74	38.85	32.34	12.56	29.73	243	251	P	V
		5450.2	45.68	-8.32	54	30.48	32.26	12.68	29.74	243	251	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 (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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5145.52	53.26	-20.74	74	38.03	32.63	12.32	29.72	100	13	P	H
		5075.48	42.48	-11.52	54	27.26	32.71	12.22	29.71	100	13	A	H
	*	5260	110.21	-	-	95	32.49	12.45	29.73	100	13	P	H
	*	5260	101.26	-	-	86.05	32.49	12.45	29.73	100	13	A	H
		5453.04	53.67	-20.33	74	38.47	32.26	12.68	29.74	100	13	P	H
		5456.4	42.39	-11.61	54	27.19	32.25	12.69	29.74	100	13	A	H
		5076.16	53.54	-20.46	74	38.32	32.71	12.22	29.71	249	243	P	V
		5074.8	42.27	-11.73	54	27.05	32.71	12.22	29.71	249	243	A	V
	*	5260	106.64	-	-	91.43	32.49	12.45	29.73	249	243	P	V
	*	5260	97.89	-	-	82.68	32.49	12.45	29.73	249	243	A	V
		5458.32	53.07	-20.93	74	37.87	32.25	12.69	29.74	249	243	P	V
		5456.64	41.67	-12.33	54	26.47	32.25	12.69	29.74	249	243	A	V
802.11a CH 60 5300MHz		5135.32	54.14	-19.86	74	38.92	32.64	12.3	29.72	100	16	P	H
		5102.68	42.6	-11.4	54	27.38	32.68	12.26	29.72	100	16	A	H
	*	5300	111.42	-	-	96.22	32.44	12.49	29.73	100	16	P	H
	*	5300	102.21	-	-	87.01	32.44	12.49	29.73	100	16	A	H
		5352.72	55.71	-18.29	74	40.52	32.38	12.54	29.73	100	16	P	H
		5352.24	47.79	-6.21	54	32.61	32.38	12.53	29.73	100	16	A	H
		5005.1	54.08	-19.92	74	38.87	32.79	12.13	29.71	243	244	P	V
		5113.9	42.52	-11.48	54	27.31	32.66	12.27	29.72	243	244	A	V
	*	5300	108.04	-	-	92.84	32.44	12.49	29.73	243	244	P	V
	*	5300	98.46	-	-	83.26	32.44	12.49	29.73	243	244	A	V
		5442.48	53.91	-20.09	74	38.72	32.27	12.66	29.74	243	244	P	V
		5352.24	44.28	-9.72	54	29.1	32.38	12.53	29.73	243	244	A	V



802.11a CH 64 5320MHz	*	5320	110.12	-	-	94.93	32.42	12.5	29.73	100	11	P	H
	*	5320	101.72	-	-	86.53	32.42	12.5	29.73	100	11	A	H
		5352.64	57.29	-16.71	74	42.1	32.38	12.54	29.73	100	11	P	H
		5372.16	47.47	-6.53	54	32.3	32.35	12.55	29.73	100	11	A	H
													H
													H
	*	5320	106.61	-	-	91.42	32.42	12.5	29.73	238	244	P	V
	*	5320	97.63	-	-	82.44	32.42	12.5	29.73	238	244	A	V
		5351.2	53.96	-20.04	74	38.78	32.38	12.53	29.73	238	244	P	V
		5372.16	44.1	-9.9	54	28.93	32.35	12.55	29.73	238	244	A	V
													V
													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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	47.52	-20.68	68.2	47.23	40.1	19.59	59.4	100	0	P	H
		15780	48.65	-25.35	74	46.22	37.9	24.33	59.8	100	0	P	H
													H
													H
		10520	47.09	-21.11	68.2	46.8	40.1	19.59	59.4	100	0	P	V
		15780	52.36	-21.64	74	49.93	37.9	24.33	59.8	171	18	P	V
		15780	39.29	-14.71	54	36.86	37.9	24.33	59.8	171	18	A	V
													V
802.11a CH 60 5300MHz		10600	47.46	-26.54	74	47.23	40.1	19.71	59.58	100	0	P	H
		15900	56.15	-17.85	74	53.65	37.9	24.32	59.72	100	50	P	H
		15900	41.55	-12.45	54	39.05	37.9	24.32	59.72	100	50	A	H
													H
		10600	48.43	-25.57	74	48.2	40.1	19.71	59.58	100	0	P	V
		15900	59.06	-14.94	74	56.56	37.9	24.32	59.72	201	53	P	V
		15900	43.95	-10.05	54	41.45	37.9	24.32	59.72	201	53	A	V
													V
802.11a CH 64 5320MHz		10640	47.53	-26.47	74	47.32	40.1	19.78	59.67	100	0	P	H
		15960	49.21	-24.79	74	46.69	37.9	24.31	59.69	100	0	P	H
													H
													H
		10640	47.84	-26.16	74	47.63	40.1	19.78	59.67	100	0	P	V
		15960	59.24	-14.76	74	56.72	37.9	24.31	59.69	201	55	P	V
		15960	43.93	-10.07	54	41.41	37.9	24.31	59.69	201	55	A	V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5023.46	54.07	-19.93	74	38.86	32.77	12.15	29.71	108	19	P	H
		5059.84	44.24	-9.76	54	29.02	32.73	12.2	29.71	108	19	A	H
	*	5270	106.73	-	-	91.52	32.48	12.46	29.73	108	19	P	H
	*	5270	99.13	-	-	83.92	32.48	12.46	29.73	108	19	A	H
		5375.04	53.98	-20.02	74	38.8	32.35	12.56	29.73	108	19	P	H
		5373.6	45.85	-8.15	54	30.68	32.35	12.55	29.73	108	19	A	H
		5137.02	54.54	-19.46	74	39.32	32.64	12.3	29.72	121	243	P	V
		5068.34	44.24	-9.76	54	29.02	32.72	12.21	29.71	121	243	A	V
	*	5270	102.73	-	-	87.52	32.48	12.46	29.73	121	243	P	V
	*	5270	95.58	-	-	80.37	32.48	12.46	29.73	121	243	A	V
		5416.8	53.6	-20.4	74	38.43	32.3	12.61	29.74	121	243	P	V
		5373.36	44.27	-9.73	54	29.1	32.35	12.55	29.73	121	243	A	V
802.11n HT40 CH 62 5310MHz		5091.12	53.55	-20.45	74	38.34	32.69	12.24	29.72	115	20	P	H
		5126.48	44.47	-9.53	54	29.25	32.65	12.29	29.72	115	20	A	H
	*	5310	106.57	-	-	91.38	32.43	12.49	29.73	115	20	P	H
	*	5310	98.67	-	-	83.48	32.43	12.49	29.73	115	20	A	H
		5350.8	64.47	-9.53	74	49.29	32.38	12.53	29.73	115	20	P	H
		5350.32	51.26	-2.74	54	36.08	32.38	12.53	29.73	115	20	A	H
		5134.3	54.18	-19.82	74	38.96	32.64	12.3	29.72	106	257	P	V
		5066.64	44.29	-9.71	54	29.07	32.72	12.21	29.71	106	257	A	V
	*	5310	102.35	-	-	87.16	32.43	12.49	29.73	106	257	P	V
	*	5310	94.39	-	-	79.2	32.43	12.49	29.73	106	257	A	V
		5351.04	56.8	-17.2	74	41.62	32.38	12.53	29.73	106	257	P	V
		5350.08	46.14	-7.86	54	30.96	32.38	12.53	29.73	106	257	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5113.56	54.47	-19.53	74	39.26	32.66	12.27	29.72	138	26	P	H
		5091.8	47.06	-6.94	54	31.85	32.69	12.24	29.72	138	26	A	H
	*	5290	102.43	-	-	87.23	32.45	12.48	29.73	138	26	P	H
	*	5290	95.18	-	-	79.98	32.45	12.48	29.73	138	26	A	H
		5367.6	59.39	-14.61	74	44.21	32.36	12.55	29.73	138	26	P	H
		5361.12	49.96	-4.04	54	34.78	32.37	12.54	29.73	138	26	A	H
		5031.62	53.55	-20.45	74	38.34	32.76	12.16	29.71	257	246	P	V
		5138.38	46.3	-7.7	54	31.08	32.63	12.31	29.72	257	246	A	V
	*	5290	98.89	-	-	83.69	32.45	12.48	29.73	257	246	P	V
	*	5290	91.66	-	-	76.46	32.45	12.48	29.73	257	246	A	V
		5368.56	55.2	-18.8	74	40.02	32.36	12.55	29.73	257	246	P	V
		5376.72	46.74	-7.26	54	31.56	32.35	12.56	29.73	257	246	A	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5446.48	55.07	-18.93	74	39.88	32.26	12.67	29.74	100	30	P	H
		5469.68	53.35	-14.85	68.2	38.14	32.24	12.71	29.74	100	30	P	H
		5447.76	45.52	-8.48	54	30.33	32.26	12.67	29.74	100	30	A	H
	*	5500	107.47	-	-	92.24	32.2	12.77	29.74	100	30	P	H
	*	5500	99.25	-	-	84.02	32.2	12.77	29.74	100	30	A	H
													H
		5447.28	54.68	-19.32	74	39.49	32.26	12.67	29.74	143	37	P	V
		5460.4	53.19	-15.01	68.2	37.99	32.25	12.69	29.74	143	37	P	V
		5447.6	43.99	-10.01	54	28.8	32.26	12.67	29.74	143	37	A	V
	*	5500	104.54	-	-	89.31	32.2	12.77	29.74	143	37	P	V
	*	5500	96.07	-	-	80.84	32.2	12.77	29.74	143	37	A	V
													V
802.11a CH 116 5580MHz		5458.96	53.73	-20.27	74	38.53	32.25	12.69	29.74	106	31	P	H
		5460.4	51.75	-16.45	68.2	36.55	32.25	12.69	29.74	106	31	P	H
		5381.68	41.84	-12.16	54	26.67	32.34	12.56	29.73	106	31	A	H
	*	5580	106.36	-	-	90.84	32.38	12.92	29.78	106	31	P	H
	*	5580	98.15	-	-	82.63	32.38	12.92	29.78	106	31	A	H
		5757.755	53.96	-14.24	68.2	37.84	32.77	13.21	29.86	106	31	P	H
		5350.72	53.25	-20.75	74	38.07	32.38	12.53	29.73	133	37	P	V
		5464.48	51.64	-16.56	68.2	36.44	32.24	12.7	29.74	133	37	P	V
		5392.24	41.53	-12.47	54	26.36	32.33	12.57	29.73	133	37	A	V
	*	5580	101.11	-	-	85.59	32.38	12.92	29.78	133	37	P	V
	*	5580	92.67	-	-	77.15	32.38	12.92	29.78	133	37	A	V
		5734.445	54.38	-13.82	68.2	38.33	32.72	13.18	29.85	133	37	P	V



802.11a CH 140 5700MHz	*	5700	102.65	-	-	86.73	32.64	13.12	29.84	115	38	P	H
	*	5700	93.82	-	-	77.9	32.64	13.12	29.84	115	38	A	H
		5725.16	57.01	-11.19	68.2	41	32.7	13.16	29.85	115	38	P	H
													H
													H
													H
	*	5700	101.4	-	-	85.48	32.64	13.12	29.84	301	253	P	V
	*	5700	92.94	-	-	77.02	32.64	13.12	29.84	301	253	A	V
		5729.8	54.2	-14	68.2	38.17	32.71	13.17	29.85	301	253	P	V
													V
													V
													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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	47.8	-26.2	74	47.86	40.1	20.32	60.48	100	0	P	H
		16500	52.64	-15.56	68.2	46.29	40.1	25.19	58.94	100	0	P	H
													H
													H
		11000	48.47	-25.53	74	48.53	40.1	20.32	60.48	100	0	P	V
		16500	49.42	-18.78	68.2	43.07	40.1	25.19	58.94	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.02	-26.98	74	47.12	39.97	20.5	60.57	100	0	P	H
		16740	51.16	-17.04	68.2	42.96	40.96	25.62	58.38	100	0	P	H
													H
													H
		11160	47.39	-26.61	74	47.49	39.97	20.5	60.57	100	0	P	V
		16740	50.21	-17.99	68.2	42.01	40.96	25.62	58.38	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	46.8	-27.2	74	46.94	39.78	20.78	60.7	100	0	P	H
		17100	56.69	-11.51	68.2	45.42	42.42	26.26	57.41	100	0	P	H
													H
													H
		11400	47.69	-26.31	74	47.83	39.78	20.78	60.7	100	0	P	V
		17100	52.9	-15.3	68.2	41.63	42.42	26.26	57.41	100	0	P	V
													V
													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	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		5449.12	55.21	-18.79	74	40.02	32.26	12.67	29.74	100	15	P	H
		5470	60.88	-7.32	68.2	45.67	32.24	12.71	29.74	100	15	P	H
		5406.64	45.05	-8.95	54	29.88	32.31	12.59	29.73	100	15	A	H
	*	5510	104.51	-	-	89.24	32.22	12.79	29.74	100	15	P	H
	*	5510	97.04	-	-	81.77	32.22	12.79	29.74	100	15	A	H
		5763.74	54.55	-13.65	68.2	38.42	32.78	13.22	29.87	100	15	P	H
		5454.4	53.66	-20.34	74	38.47	32.25	12.68	29.74	129	34	P	V
		5469.28	56.08	-12.12	68.2	40.87	32.24	12.71	29.74	129	34	P	V
		5408.08	44.2	-9.8	54	29.02	32.31	12.6	29.73	129	34	A	V
	*	5510	100.48	-	-	85.21	32.22	12.79	29.74	129	34	P	V
	*	5510	93.39	-	-	78.12	32.22	12.79	29.74	129	34	A	V
		5758.07	54.41	-13.79	68.2	38.29	32.77	13.21	29.86	129	34	P	V
802.11n HT40 CH 110 5550MHz		5447.68	54.83	-19.17	74	39.64	32.26	12.67	29.74	110	31	P	H
		5469.04	52.73	-15.47	68.2	37.52	32.24	12.71	29.74	110	31	P	H
		5446	45.21	-8.79	54	30.02	32.26	12.67	29.74	110	31	A	H
	*	5550	104.92	-	-	89.51	32.31	12.86	29.76	110	31	P	H
	*	5550	97.41	-	-	82	32.31	12.86	29.76	110	31	A	H
		5755.55	54.65	-13.55	68.2	38.54	32.76	13.21	29.86	110	31	P	H
		5412.64	55.04	-18.96	74	39.87	32.3	12.6	29.73	134	38	P	V
		5467.12	53.02	-15.18	68.2	37.81	32.24	12.71	29.74	134	38	P	V
		5447.44	44.42	-9.58	54	29.23	32.26	12.67	29.74	134	38	A	V
	*	5550	101.28	-	-	85.87	32.31	12.86	29.76	134	38	P	V
	*	5550	93.44	-	-	78.03	32.31	12.86	29.76	134	38	A	V
		5727.2	55.65	-12.55	68.2	39.64	32.7	13.16	29.85	134	38	P	V



802.11n HT40 CH 134 5670MHz		5361.9	54.99	-19.01	74	39.81	32.37	12.54	29.73	114	37	P	H
		5466.55	52.29	-15.91	68.2	37.08	32.24	12.71	29.74	114	37	P	H
		5400.05	44.19	-9.81	54	29.02	32.32	12.58	29.73	114	37	A	H
	*	5670	99.93	-	-	84.11	32.57	13.07	29.82	114	37	P	H
	*	5670	92.42	-	-	76.6	32.57	13.07	29.82	114	37	A	H
		5725.275	55.84	-12.36	68.2	39.83	32.7	13.16	29.85	114	37	P	H
		5432.25	54.01	-19.99	74	38.83	32.28	12.64	29.74	146	55	P	V
		5467.6	53.32	-14.88	68.2	38.11	32.24	12.71	29.74	146	55	P	V
		5395.85	43.99	-10.01	54	28.82	32.32	12.58	29.73	146	55	A	V
	*	5670	94.48	-	-	78.66	32.57	13.07	29.82	146	55	P	V
	*	5670	87.23	-	-	71.41	32.57	13.07	29.82	146	55	A	V
		5752.925	53.67	-14.53	68.2	37.57	32.76	13.2	29.86	146	55	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.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	47.62	-26.38	74	47.69	40.08	20.34	60.49	100	0	P	H
		16530	49.78	-18.42	68.2	43.19	40.21	25.25	58.87	100	0	P	H
													H
													H
		11020	48.39	-25.61	74	48.46	40.08	20.34	60.49	100	0	P	V
		16530	48.87	-19.33	68.2	42.28	40.21	25.25	58.87	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	48.07	-25.93	74	48.16	40.02	20.43	60.54	100	0	P	H
		16650	49.46	-18.74	68.2	41.95	40.64	25.46	58.59	100	0	P	H
													H
													H
		11100	48.16	-25.84	74	48.25	40.02	20.43	60.54	100	0	P	V
		16650	49.81	-18.39	68.2	42.3	40.64	25.46	58.59	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	48.34	-25.66	74	48.48	39.83	20.7	60.67	100	0	P	H
		17010	51.89	-16.31	68.2	41.57	41.95	26.1	57.73	100	0	P	H
													H
													H
		11340	48.09	-25.91	74	48.23	39.83	20.7	60.67	100	0	P	V
		17010	50.91	-17.29	68.2	40.59	41.95	26.1	57.73	100	0	P	V
													V
													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	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		5458.24	58.29	-15.71	74	43.09	32.25	12.69	29.74	100	16	P	H
		5468.32	59.55	-8.65	68.2	44.34	32.24	12.71	29.74	100	16	P	H
		5459.44	49.11	-4.89	54	33.91	32.25	12.69	29.74	100	16	A	H
	*	5530	102.46	-	-	87.11	32.27	12.83	29.75	100	16	P	H
	*	5530	94.89	-	-	79.54	32.27	12.83	29.75	100	16	A	H
		5744.21	54.71	-13.49	68.2	38.64	32.74	13.19	29.86	100	16	P	H
		5441.68	56.04	-17.96	74	40.85	32.27	12.66	29.74	143	39	P	V
		5461.36	56.14	-12.06	68.2	40.93	32.25	12.7	29.74	143	39	P	V
		5459.68	46.48	-7.52	54	31.28	32.25	12.69	29.74	143	39	A	V
	*	5530	98.5	-	-	83.15	32.27	12.83	29.75	143	39	P	V
	*	5530	91.01	-	-	75.66	32.27	12.83	29.75	143	39	A	V
		5736.965	53.76	-14.44	68.2	37.71	32.72	13.18	29.85	143	39	P	V
802.11ac VHT80 CH 122 5610MHz		5356.24	54.32	-19.68	74	39.14	32.37	12.54	29.73	144	39	P	H
		5468.08	53.48	-14.72	68.2	38.27	32.24	12.71	29.74	144	39	P	H
		5359.84	45.85	-8.15	54	30.67	32.37	12.54	29.73	144	39	A	H
	*	5610	100	-	-	84.37	32.44	12.98	29.79	144	39	P	H
	*	5610	92.65	-	-	77.02	32.44	12.98	29.79	144	39	A	H
		5743.265	53.59	-14.61	68.2	37.52	32.74	13.19	29.86	144	39	P	H
		5398.72	53.81	-20.19	74	38.64	32.32	12.58	29.73	207	242	P	V
		5460.16	52.36	-15.84	68.2	37.16	32.25	12.69	29.74	207	242	P	V
		5406.4	45.72	-8.28	54	30.55	32.31	12.59	29.73	207	242	A	V
	*	5610	96.81	-	-	81.18	32.44	12.98	29.79	207	242	P	V
	*	5610	89.25	-	-	73.62	32.44	12.98	29.79	207	242	A	V
		5739.17	53.54	-14.66	68.2	37.48	32.73	13.18	29.85	207	242	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 Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz	*	5720	102.96	-	-	86.98	32.68	13.15	29.85	112	39	P	H
	*	5720	93.71	-	-	77.73	32.68	13.15	29.85	112	39	A	H
													H
													H
													H
													H
	*	5720	102.17	-	-	86.19	32.68	13.15	29.85	281	254	P	V
	*	5720	93.5	-	-	77.52	32.68	13.15	29.85	281	254	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	47.32	-26.68	74	47.48	39.75	20.82	60.73	100	0	P	H
		17160	55.6	-12.6	68.2	43.7	42.73	26.36	57.19	100	0	P	H
													H
													H
		11440	48.13	-25.87	74	48.29	39.75	20.82	60.73	100	0	P	V
		17160	54.13	-14.07	68.2	42.23	42.73	26.36	57.19	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	99.16	-	-	83.2	32.66	13.14	29.84	112	37	P	H
	*	5710	92.17	-	-	76.21	32.66	13.14	29.84	112	37	A	H
													H
													H
													H
													H
	*	5710	98.97	-	-	83.01	32.66	13.14	29.84	198	234	P	V
	*	5710	90.49	-	-	74.53	32.66	13.14	29.84	198	234	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	96.17	-	-	80.28	32.62	13.1	29.83	143	38	P	H
	*	5690	88.58	-	-	72.69	32.62	13.1	29.83	143	38	A	H
													H
													H
													H
													H
	*	5690	94.31	-	-	78.42	32.62	13.1	29.83	281	256	P	V
	*	5690	87.6	-	-	71.71	32.62	13.1	29.83	281	256	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		70.74	25.03	-14.97	40	43.67	12.29	1.48	32.41	-	-	P	H
		104.69	26.58	-16.92	43.5	40.5	16.61	1.84	32.37	-	-	P	H
		220.12	27.66	-18.34	46	42.07	15.26	2.7	32.37	-	-	P	H
		655.65	30.51	-15.49	46	32.38	26.31	4.42	32.6	-	-	P	H
		885.54	39.13	-6.87	46	36.88	28.97	5.15	31.87	100	0	P	H
		941.8	34.11	-11.89	46	29.66	30.52	5.35	31.42	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		30	31.64	-8.36	40	38.7	24.48	0.91	32.45	100	0	P	V
		107.6	30.93	-12.57	43.5	44.57	16.86	1.87	32.37	-	-	P	V
		189.08	25.01	-18.49	43.5	40.02	14.83	2.51	32.35	-	-	P	V
		605.21	34.9	-11.1	46	37.59	25.67	4.31	32.67	-	-	P	V
		653.71	30.61	-15.39	46	32.5	26.3	4.41	32.6	-	-	P	V
		956.35	34.37	-11.63	46	29.35	30.91	5.4	31.29	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission

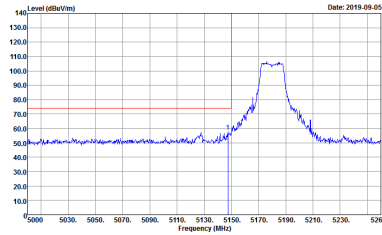
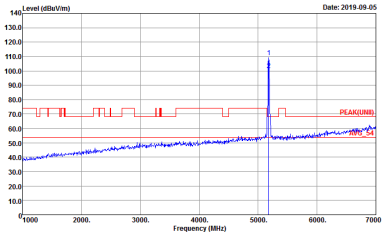
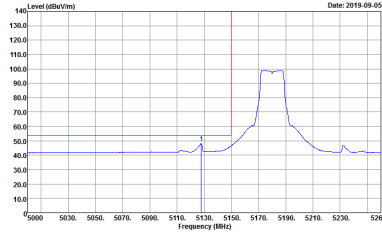
Test Engineer :	Jacky Hung, Andy Yang and CR Liro	Temperature :	20~25°C
		Relative Humidity :	50~60%

Note symbol

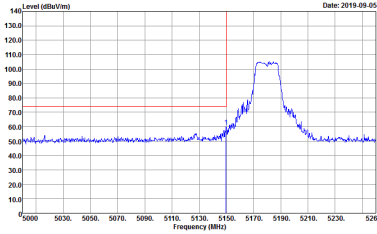
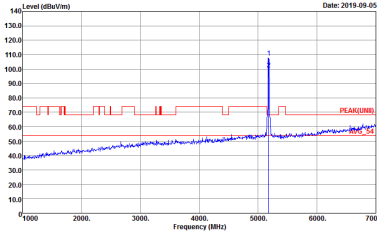
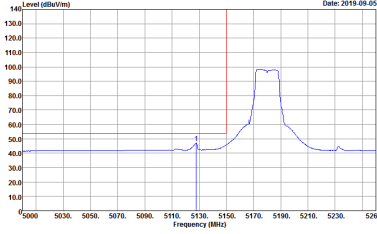
-L	Low channel location
-R	High channel location

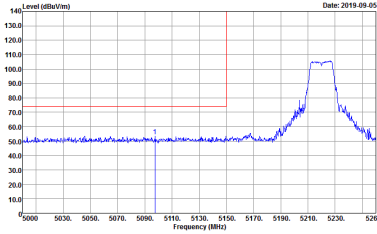
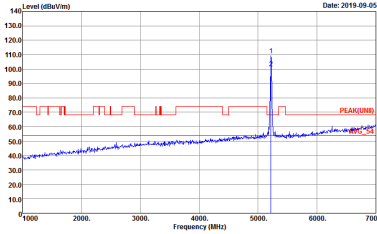
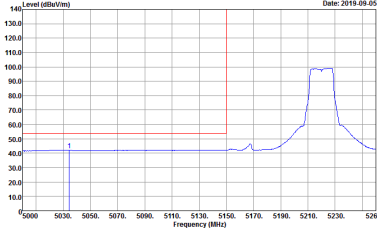


Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

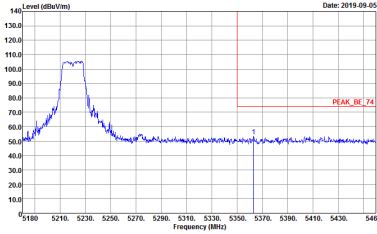
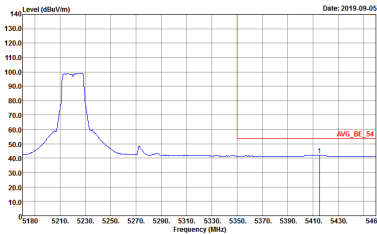
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

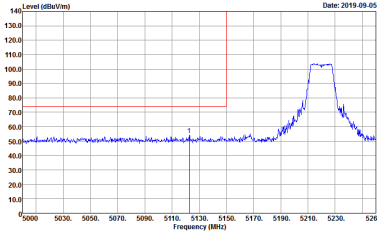
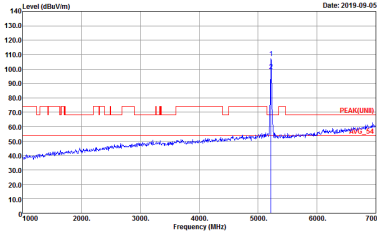
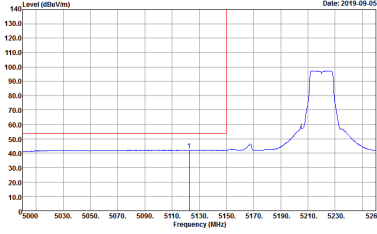


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

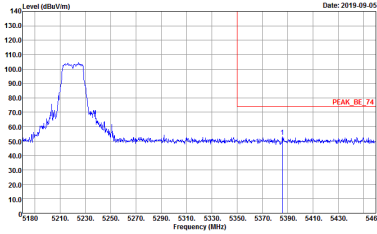
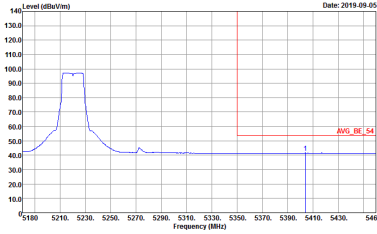
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



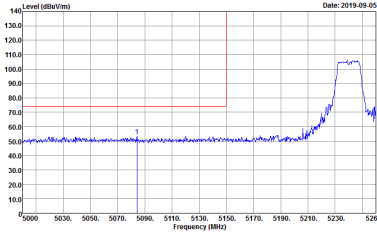
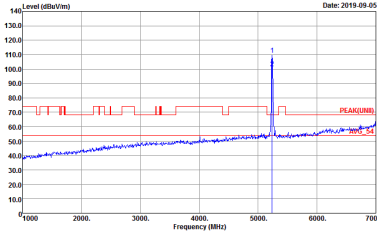
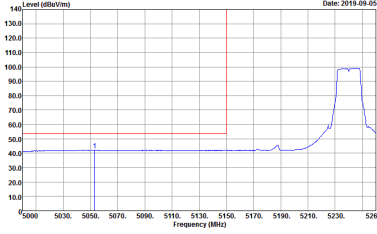
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

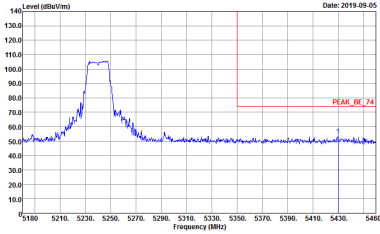
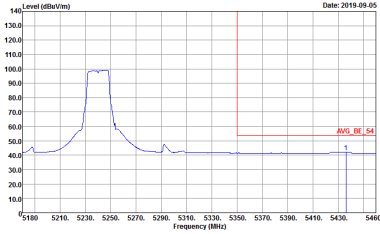


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

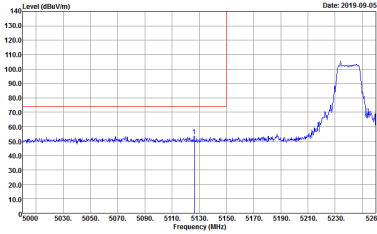
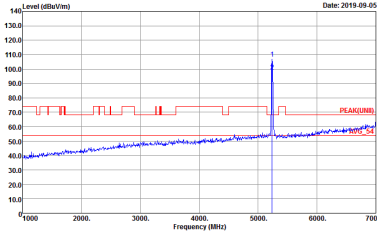
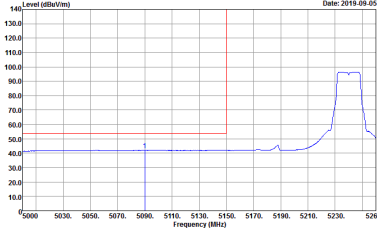


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

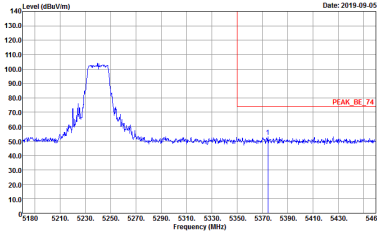
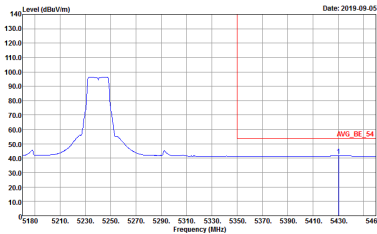


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



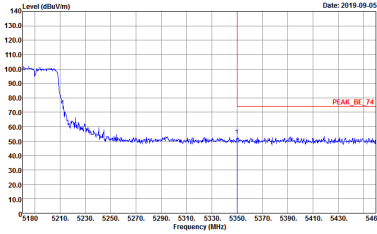
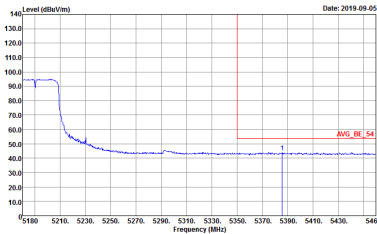
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



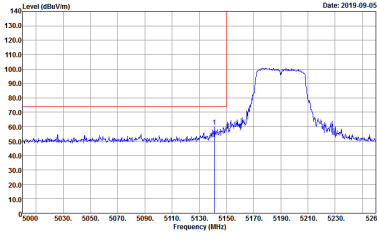
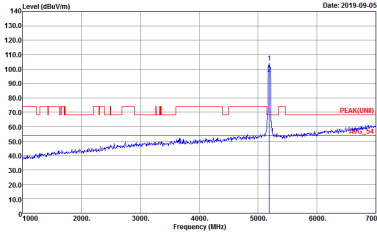
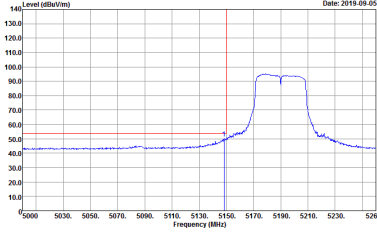
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01 Setting : 12.5	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01 Setting : 12.5
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 981324-01 Setting : 12.5	Left blank

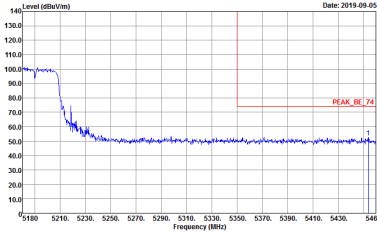
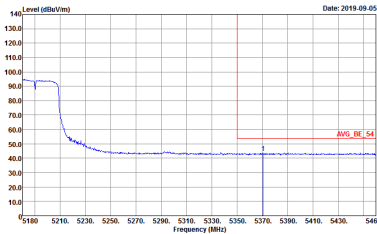


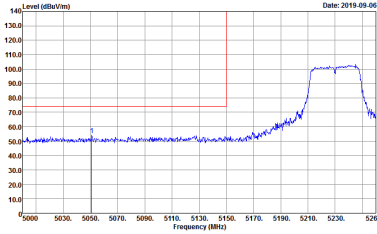
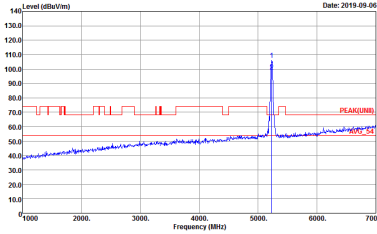
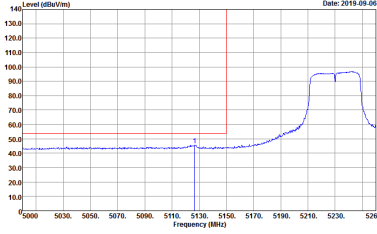
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01 Setting : 12.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01 Setting : 12.5	Left blank



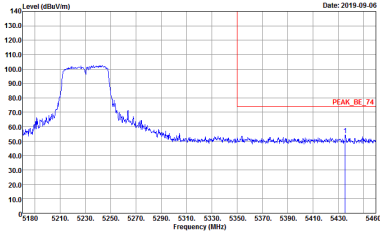
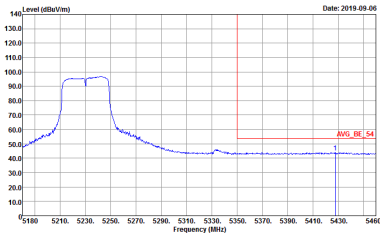
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 12.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 12.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 12.5	Left blank



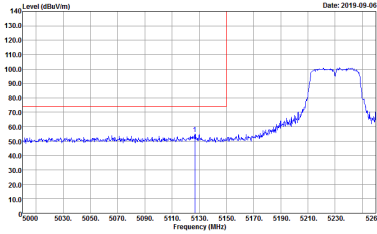
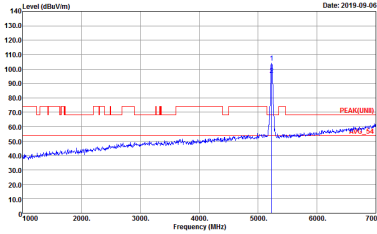
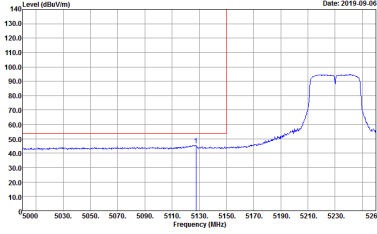
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01 Setting : 12.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01 Setting : 12.5	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

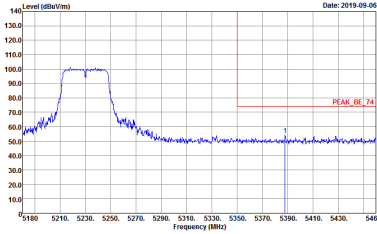
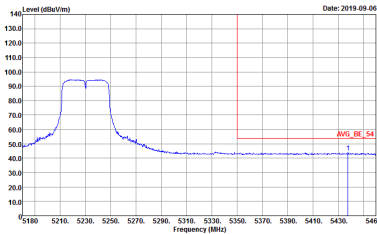


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

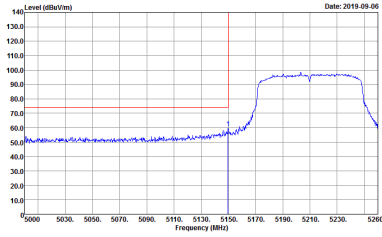
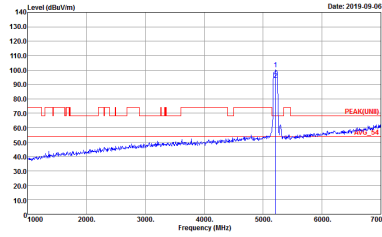
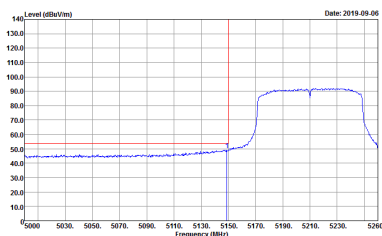


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01	Left blank

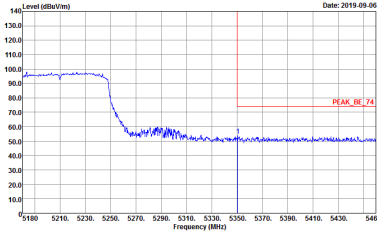
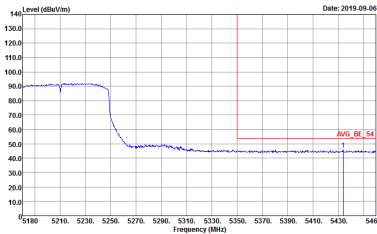


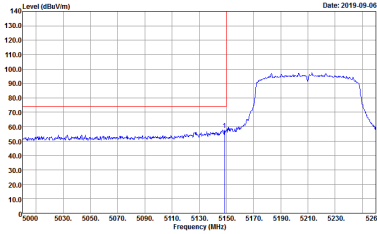
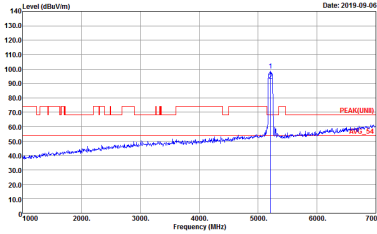
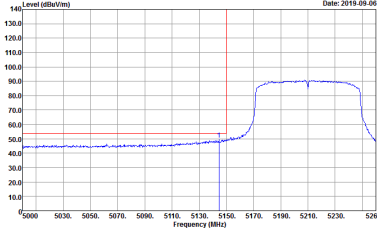
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

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

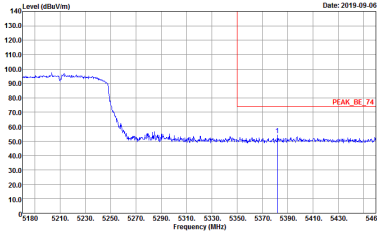
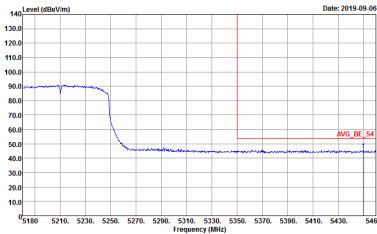
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01	Left blank



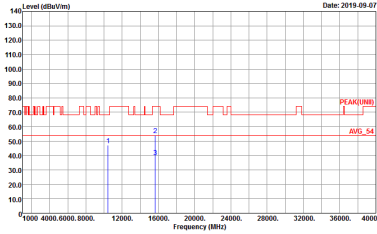
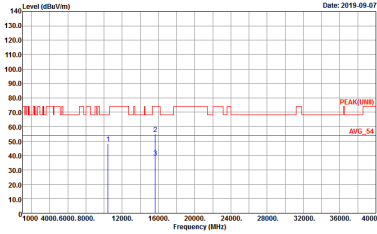
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



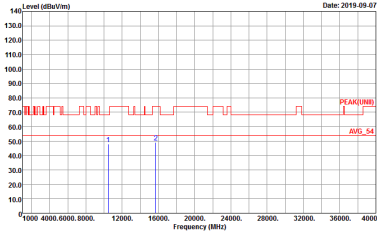
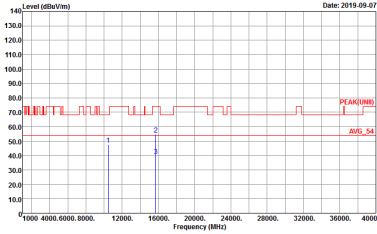
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	Site : 03CH16-14Y Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



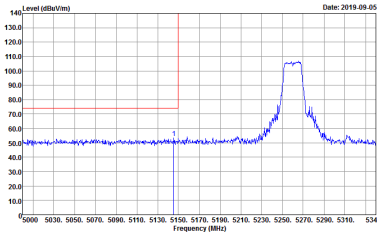
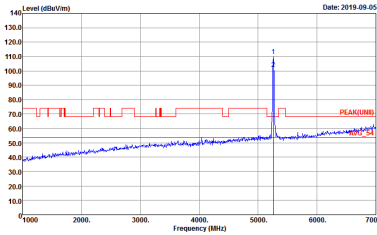
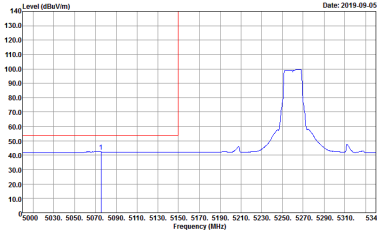
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



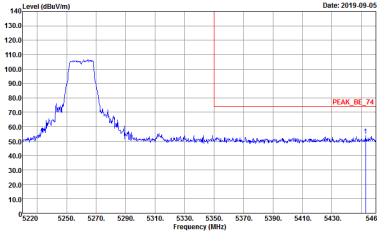
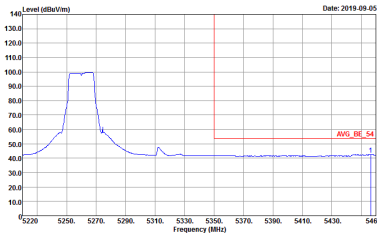
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



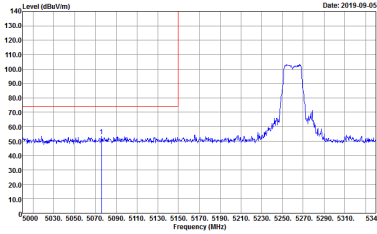
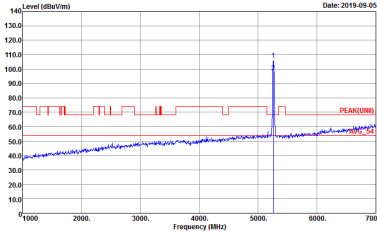
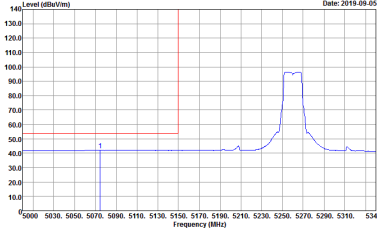
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	Left blank

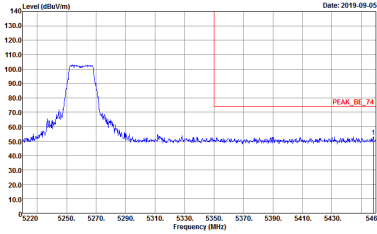
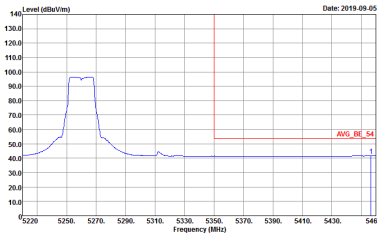


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

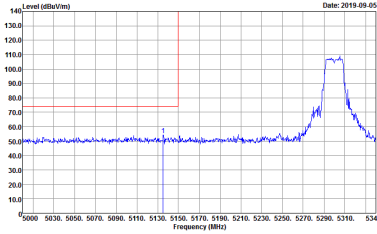
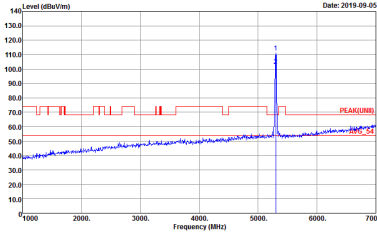
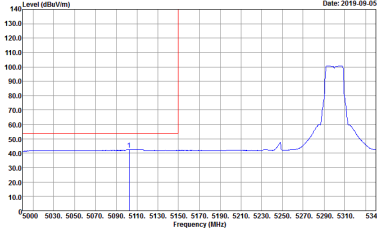


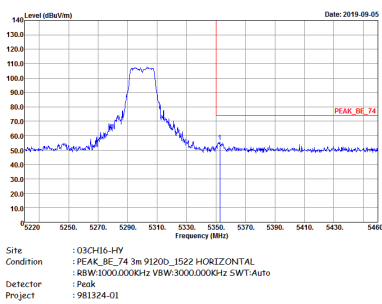
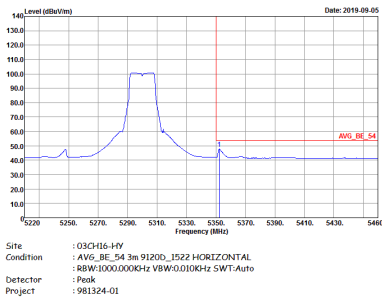
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



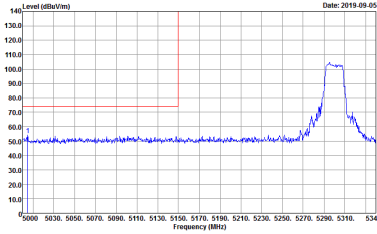
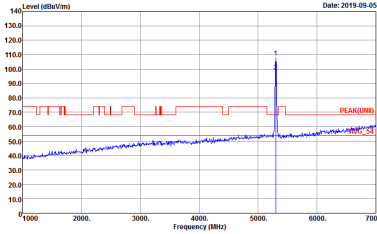
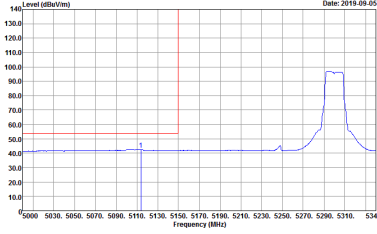
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



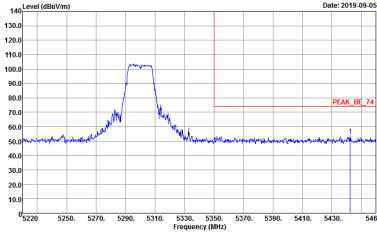
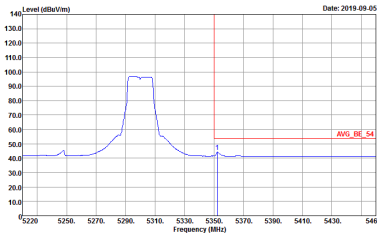
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

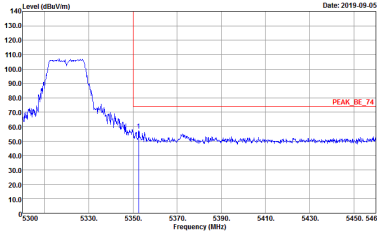
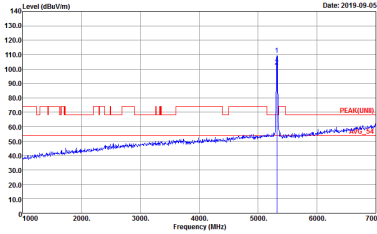
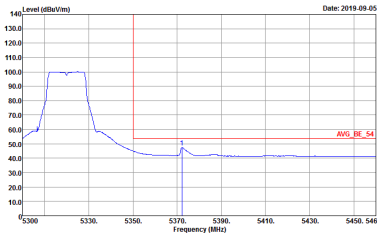
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank



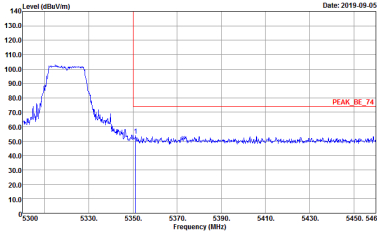
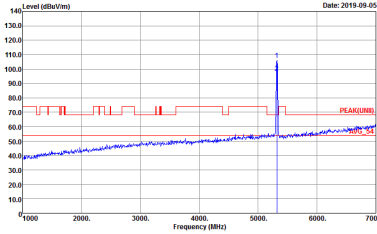
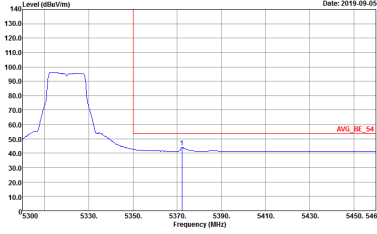
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

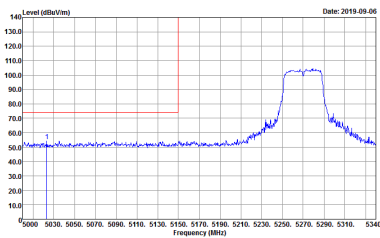
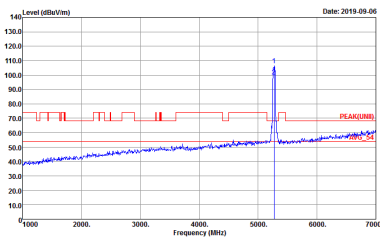
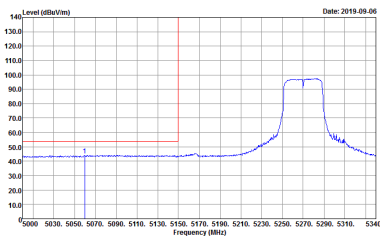
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



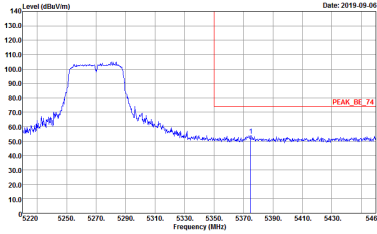
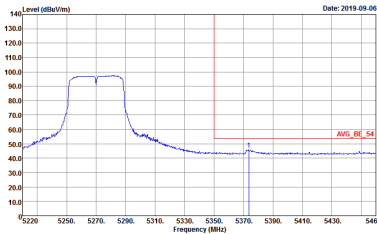
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



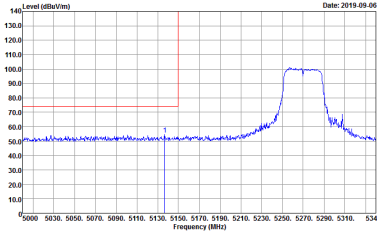
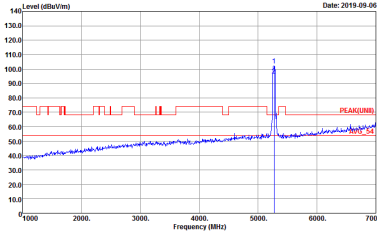
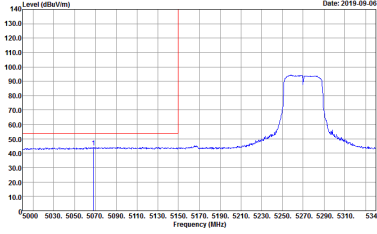
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

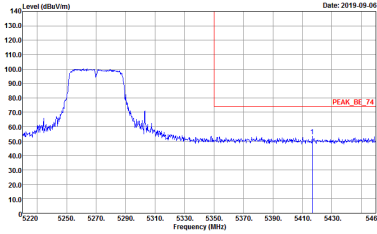
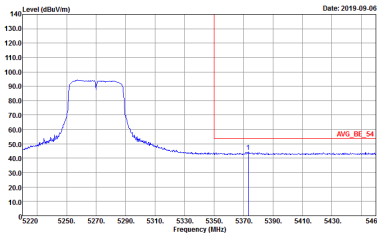


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

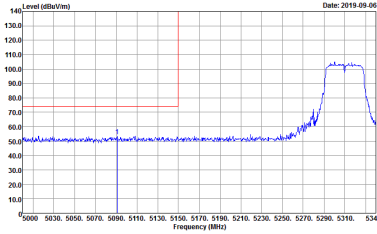
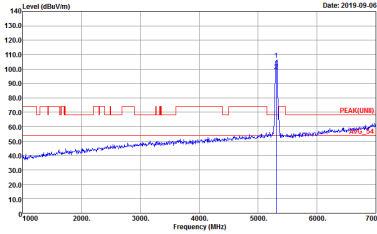
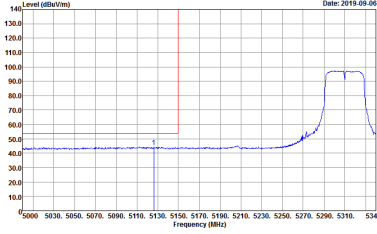


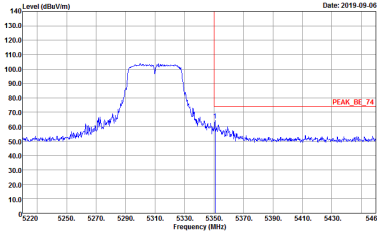
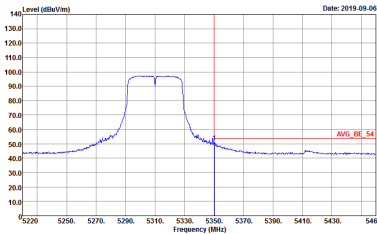
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



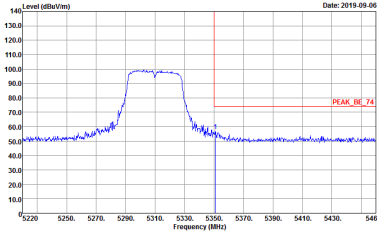
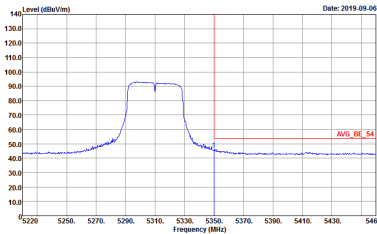
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01 Setting : 13.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01 Setting : 13.5	Left blank



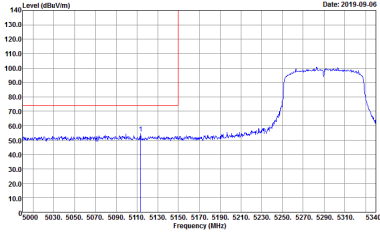
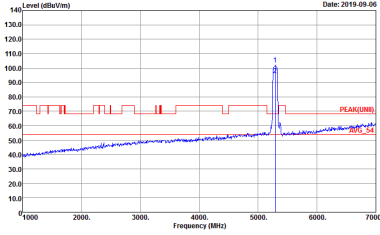
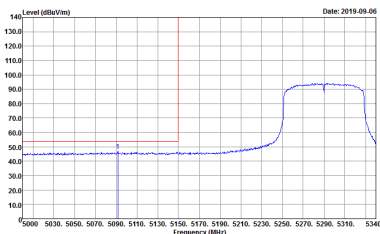
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5	Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5
Avg.	Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : Peak Setting : 981324-01 Setting : 13.5	Left blank



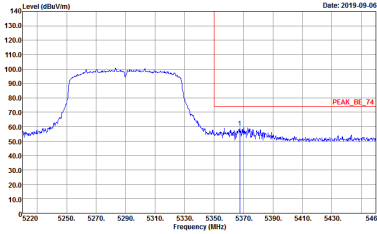
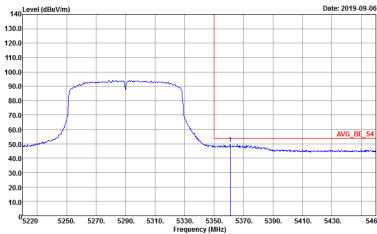
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01 Setting : 13.5	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01 Setting : 13.5	Left blank



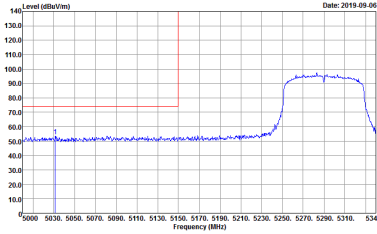
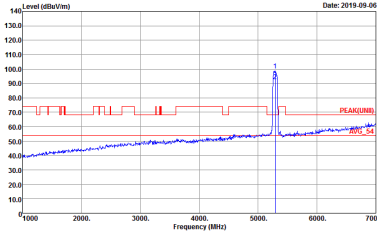
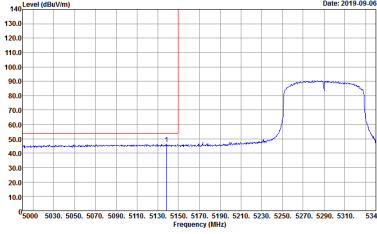
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

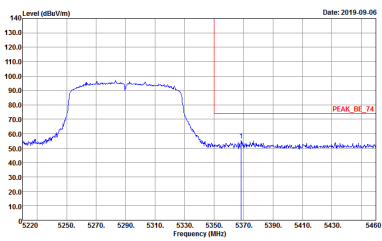
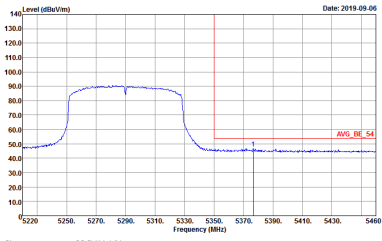


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:30.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



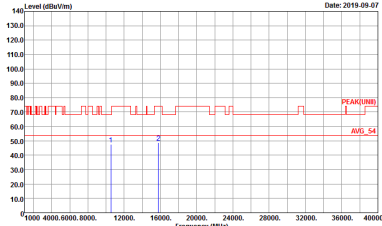
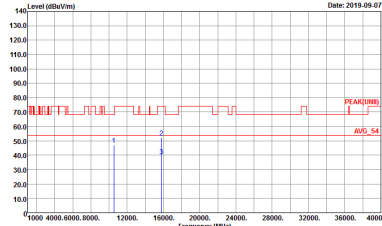
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



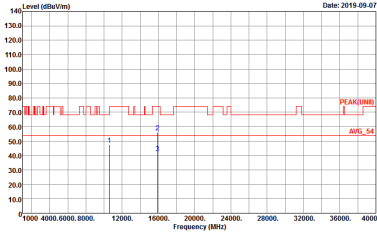
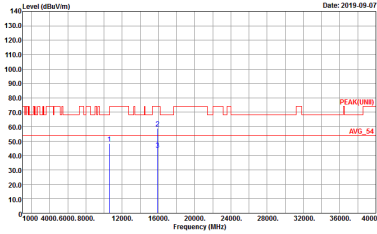
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 981324-01	Left blank
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 91200_1522 VERTICAL RBW:1000.000kHz VBW:30.000kHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



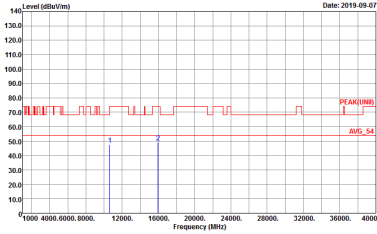
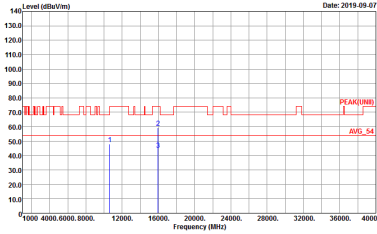
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



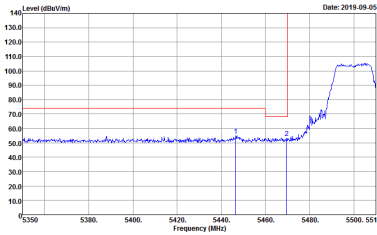
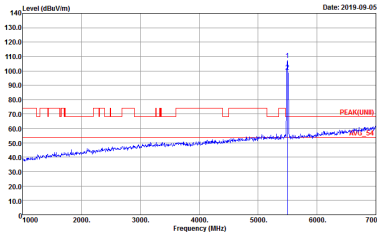
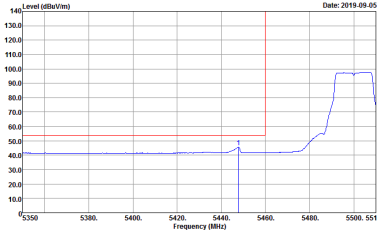
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



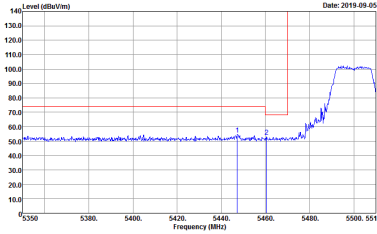
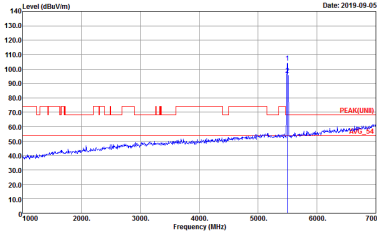
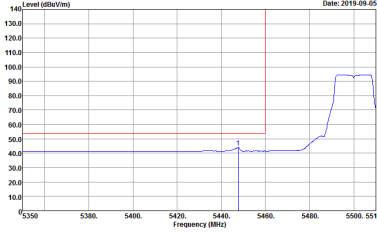
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



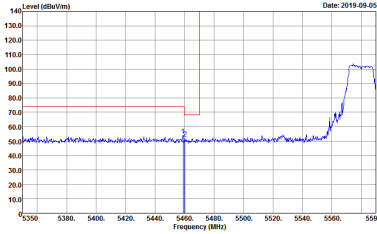
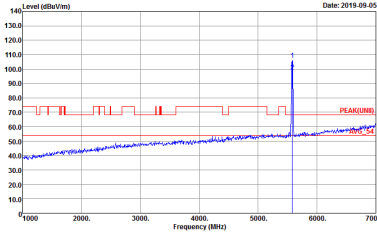
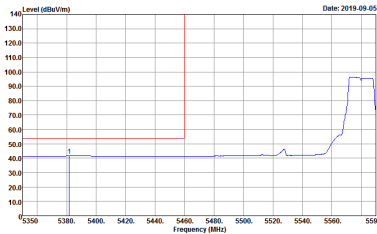
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	Left blank

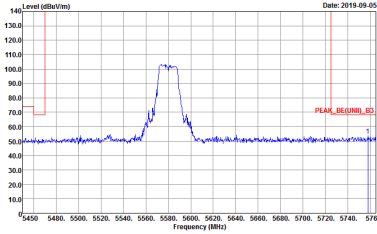


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

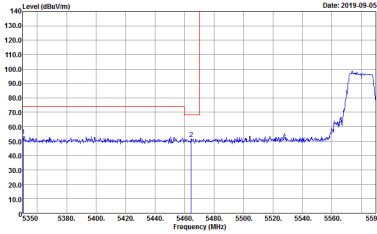
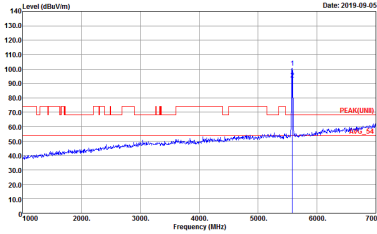
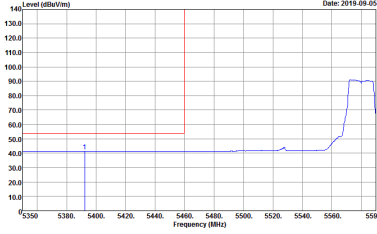


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

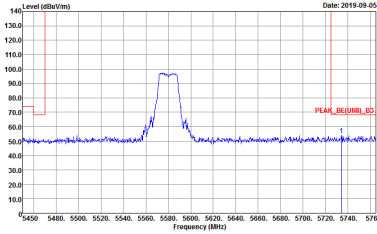


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

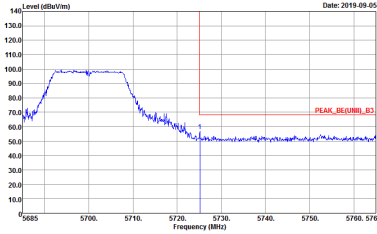
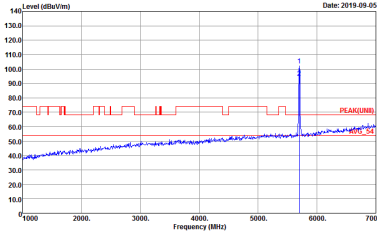


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

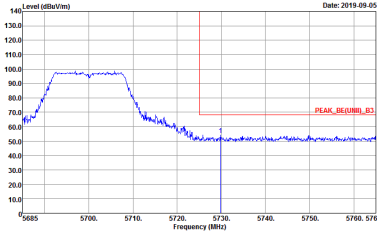
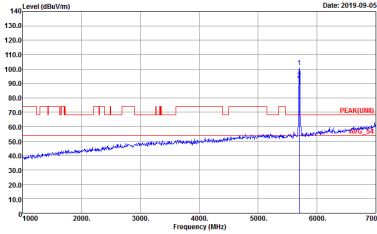


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



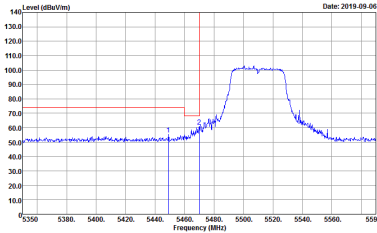
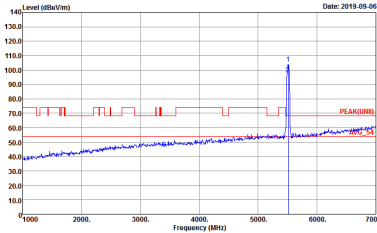
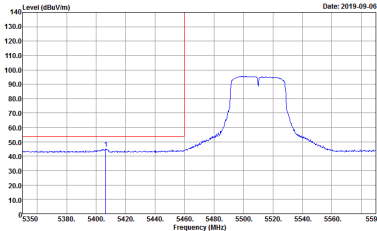
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01



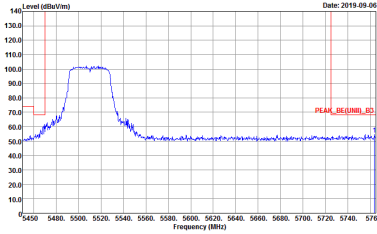
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01



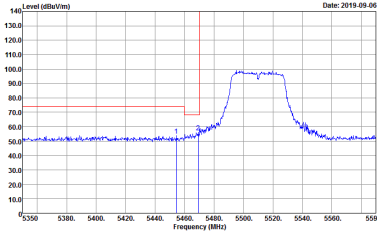
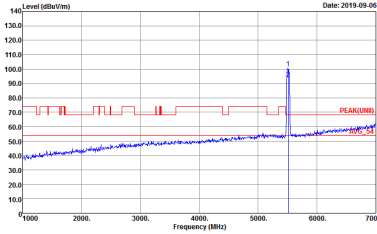
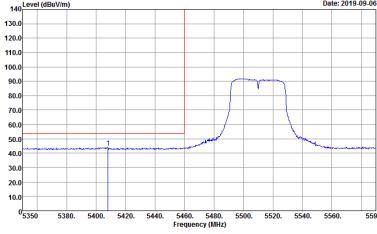
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Project : 981324-01	Left blank

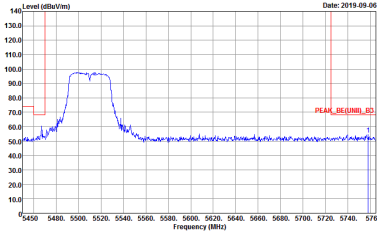


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

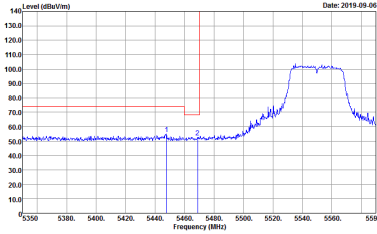
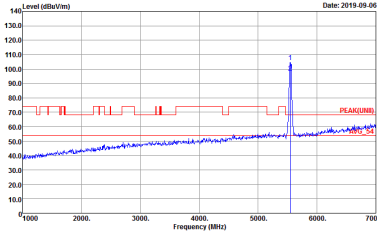
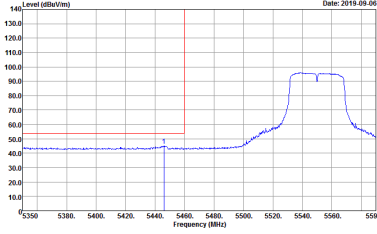


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

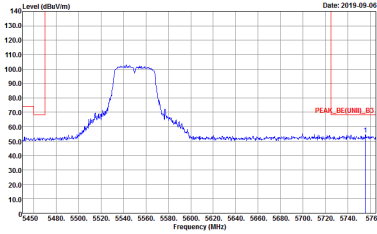


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

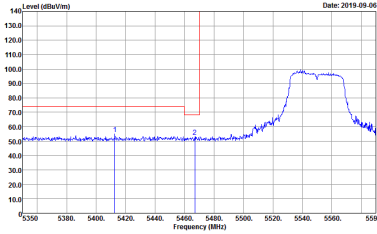
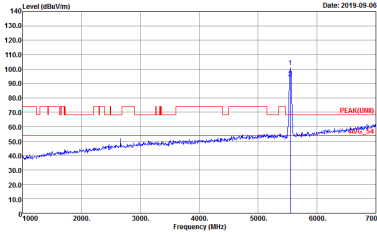
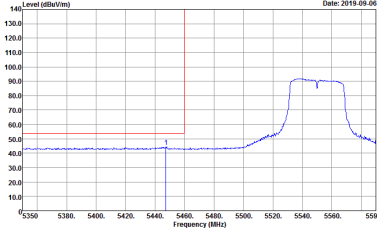


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

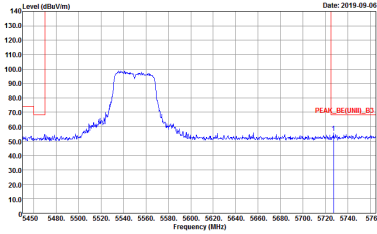


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

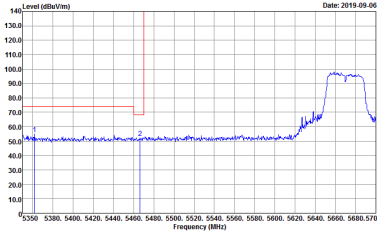
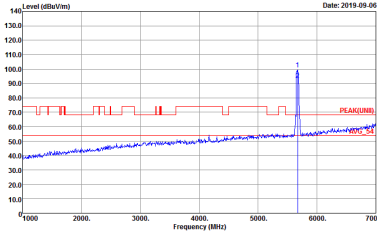
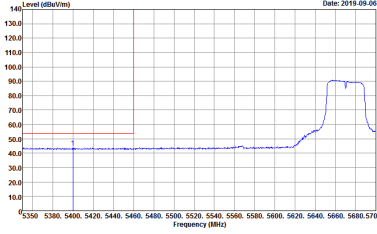


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

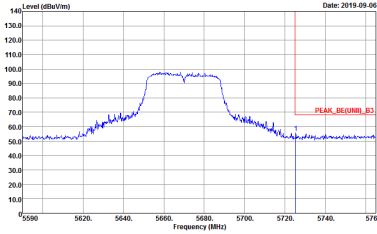


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

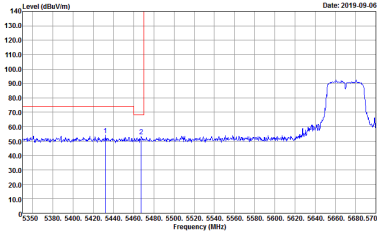
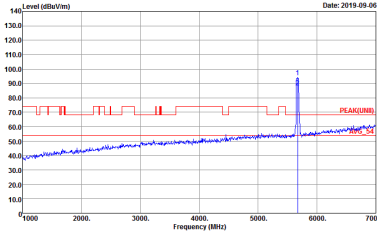
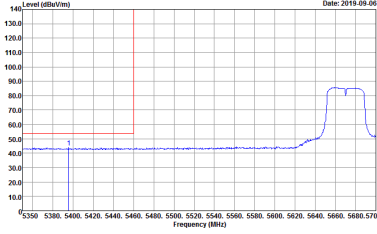


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

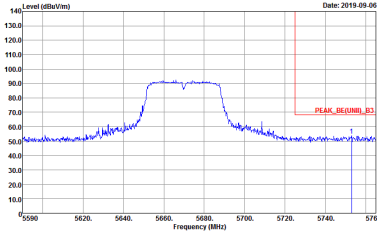


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

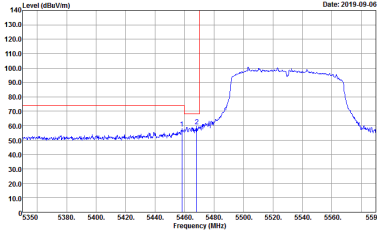
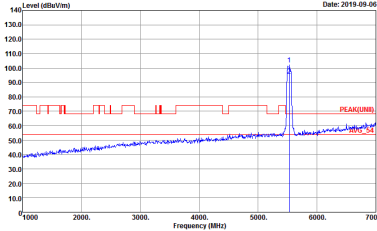
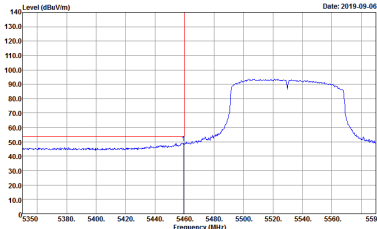


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

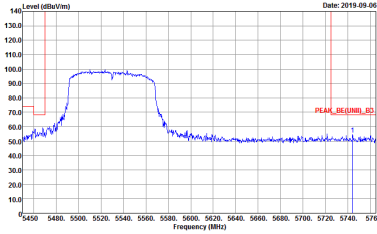


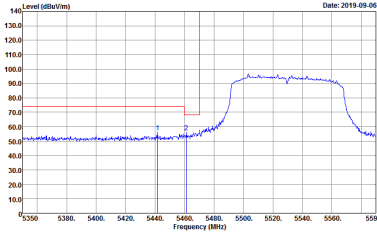
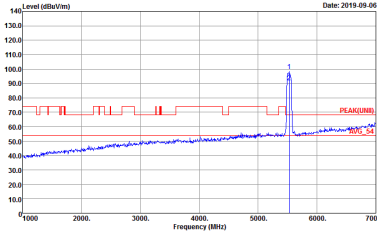
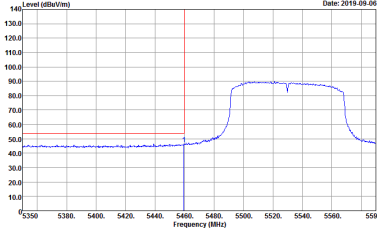
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

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

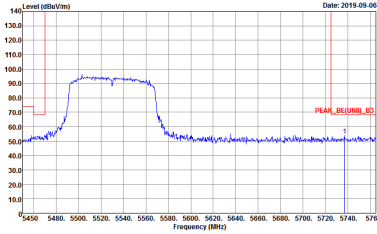
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000GHz VBW:3000.000GHz SWT:Auto Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000GHz VBW:10.000GHz SWT:Auto Project : 981324-01	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HV Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

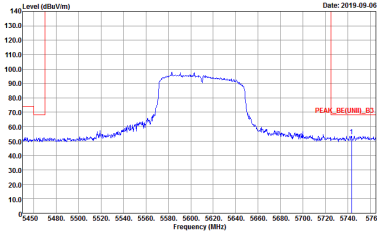


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

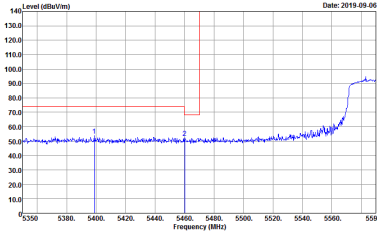
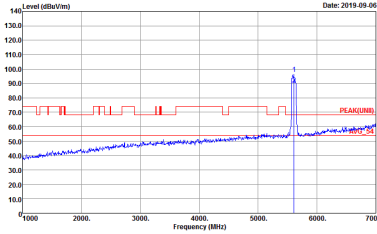
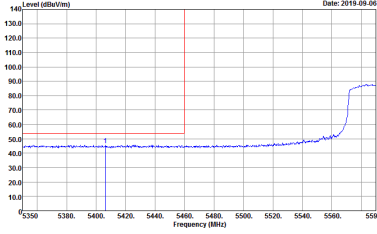


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank

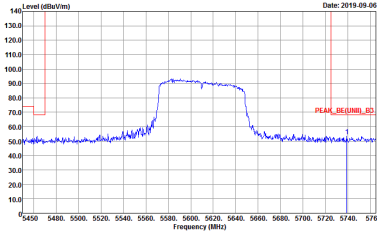


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



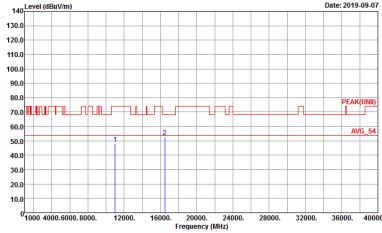
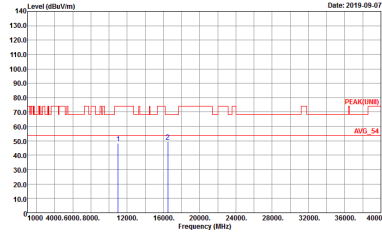
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01
Avg.	 Site : 03CH16-HY Condition : AVG_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



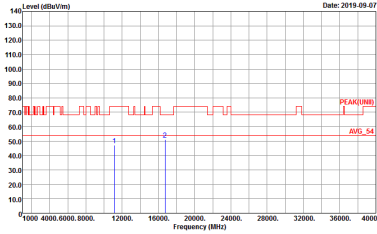
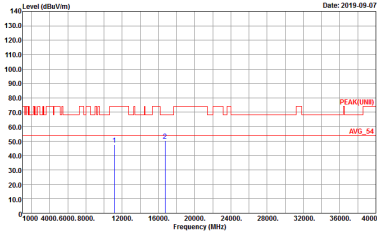
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	 Site : 09CH16-HY Condition : PEAK_BE(UNIT)_B3 3m 91200_1522 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 981324-01	Left blank



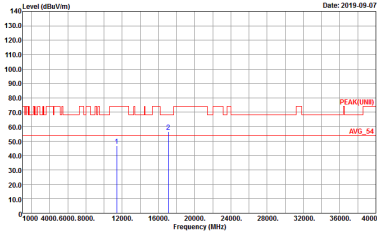
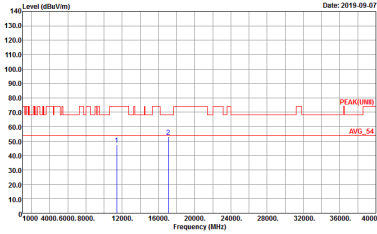
Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



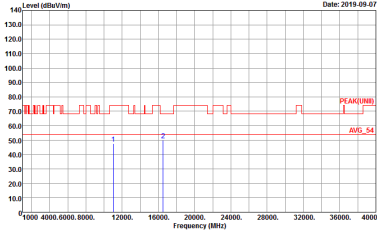
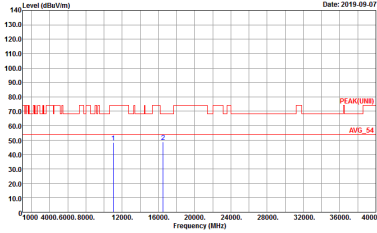
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



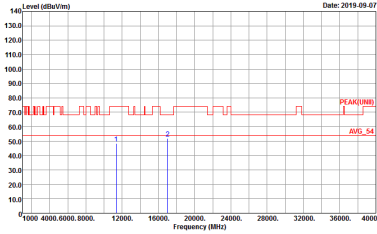
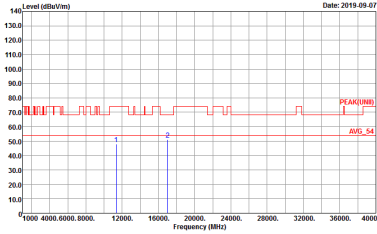
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



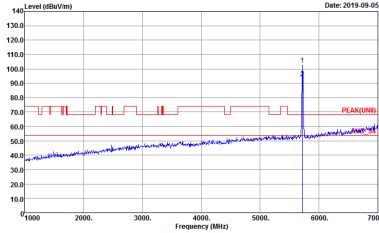
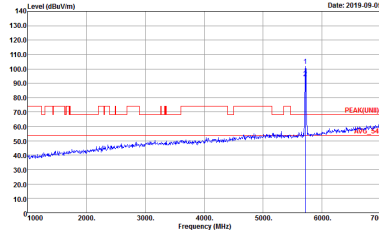
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH16-HY Condition : PEAK(UNB) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	Site : 03CH16-HY Condition : PEAK(UNB) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01

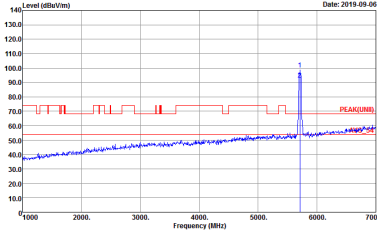
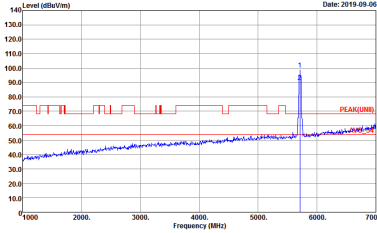


Band 3 - Straddle Channel
WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-1FY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01	 Site : 03CH16-1FY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01

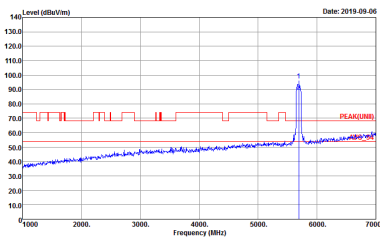
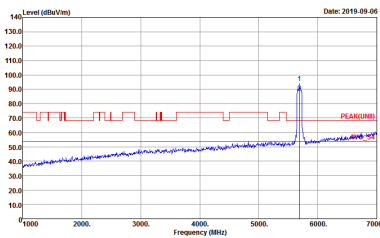


Band 3 – Straddle Channel
WIFI 802.11n HT40 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01

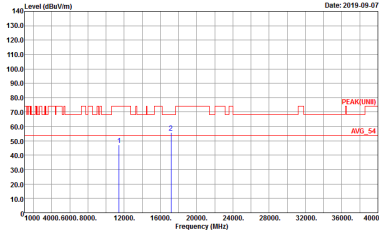
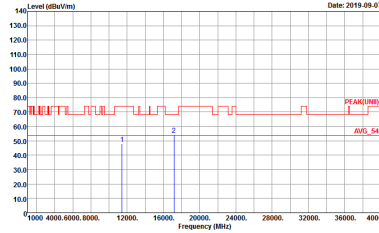


Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : 981324-01

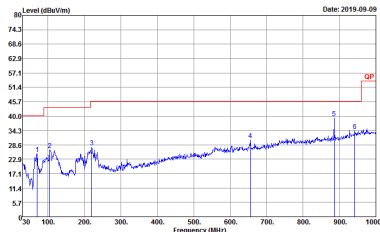
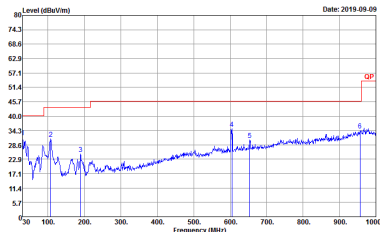


Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL Detector : Peak Project : 981324-01



Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH16-HY Condition : QP 3m BTL06_47020406 HORIZONTAL Detector : Peak Project : 981324-01	 Site : 03CH16-HY Condition : QP 3m BTL06_47020406 VERTICAL Detector : Peak Project : 981324-01

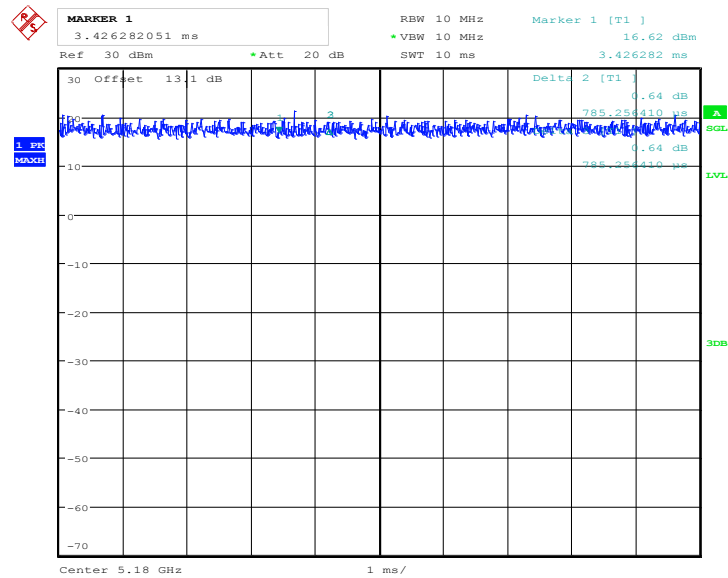


Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
802.11a	100.00	-	-	10Hz	0.00
5GHz 802.11n HT20	100.00	-	-	10Hz	0.00
5GHz 802.11n HT40	98.22	-	-	10Hz	0.08
5GHz 802.11ac VHT20	100.00	-	-	10Hz	0.00
5GHz 802.11ac VHT40	98.09	-	-	10Hz	0.08
5GHz 802.11ac VHT80	94.53	244	4.11	10kHz	0.24

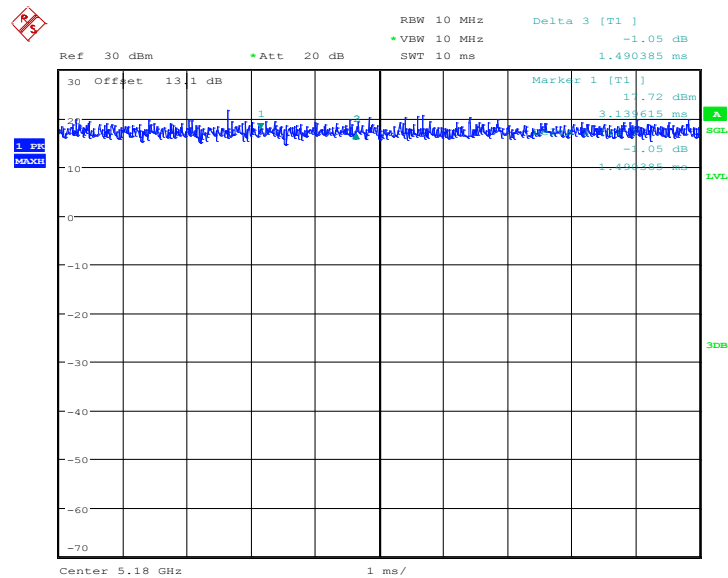


802.11a



Date: 26.AUG.2019 19:04:22

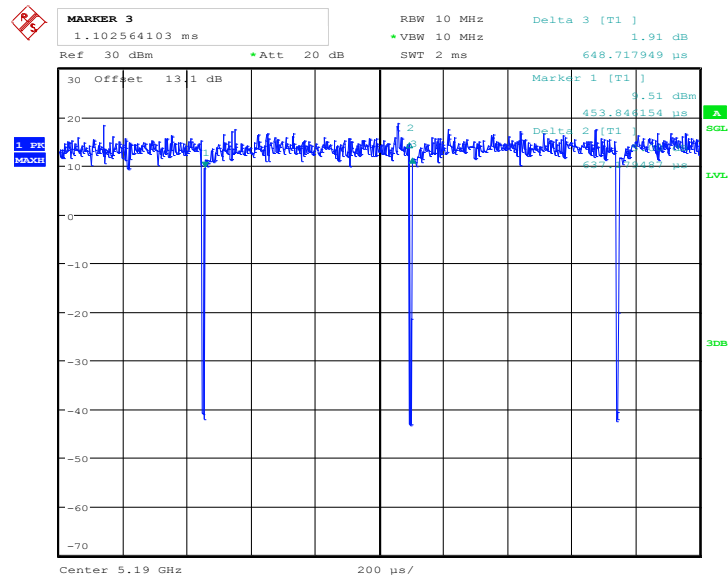
802.11n HT20



Date: 26.AUG.2019 19:08:39

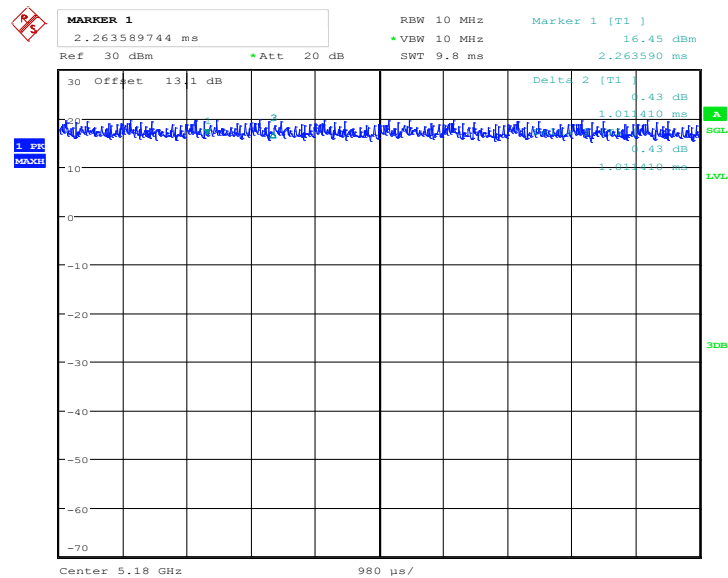


802.11n HT40



Date: 26.AUG.2019 19:18:41

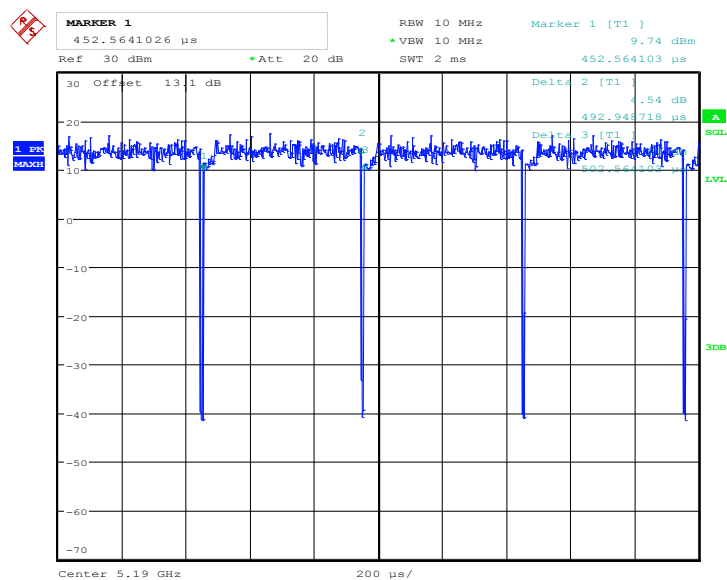
802.11ac VHT20



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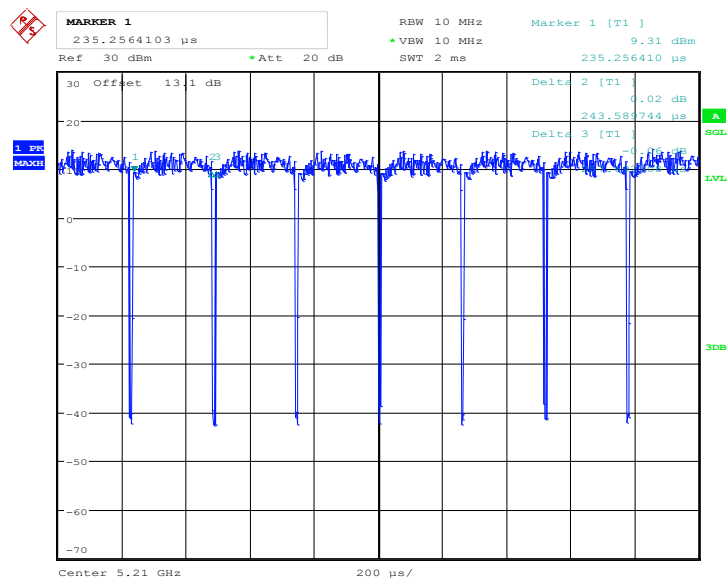


802.11ac VHT40



Date: 26.AUG.2019 19:26:37

802.11ac VHT80



Date: 26.AUG.2019 19:29:07