FCC RADIO TEST REPORT

FCC ID	:	**B32E280BTWFDB**
Equipment	:	**Point of Sales Terminal**
Brand Name	:	**Verifone**
Model Name	:	**e280 DB**
Applicant	:	**Verifone, Inc.** **88 West Plumeria Drive, San Jose, CA 95134, United States**
Manufacturer	:	**Verifone, Inc.**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Oct. 26, 2019 and testing was started from Nov. 12, 2019 and completed on Dec. 02, 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.

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issued Date
FR832801-05E	01	Initial issue of report	Dec. 16, 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 2.19 dB at 5454.160 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 11.59 dB at 13.636 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	WLAN: Stamping Antenna Bluetooth: Stamping Antenna RFID: Loop Antenna

Specification of Accessory		
AC Adapter	**Brand Name**	Verifone
	Manufacturer	Phihong
	Model Name	PSAA05E-050QL6V
	Power Rating	Input:100-240Vac, 50-60Hz 0.2A Output: 5V/1A
	Power Cord	N/A
Battery	**Brand Name**	Verifone
	Model Name	BPK087-700
USB Cable	**Brand Name**	Verifone
	Model Name	N/A

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.**
	03CH12-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:

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

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) 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)
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 VHT40 (Covered by HT40)	**MCS0**
802.11ac VHT80	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + RFID On + MSR + Smart Card + LED + Buzzer/Speaker + Display + USB Cable (Charging from Adapter)

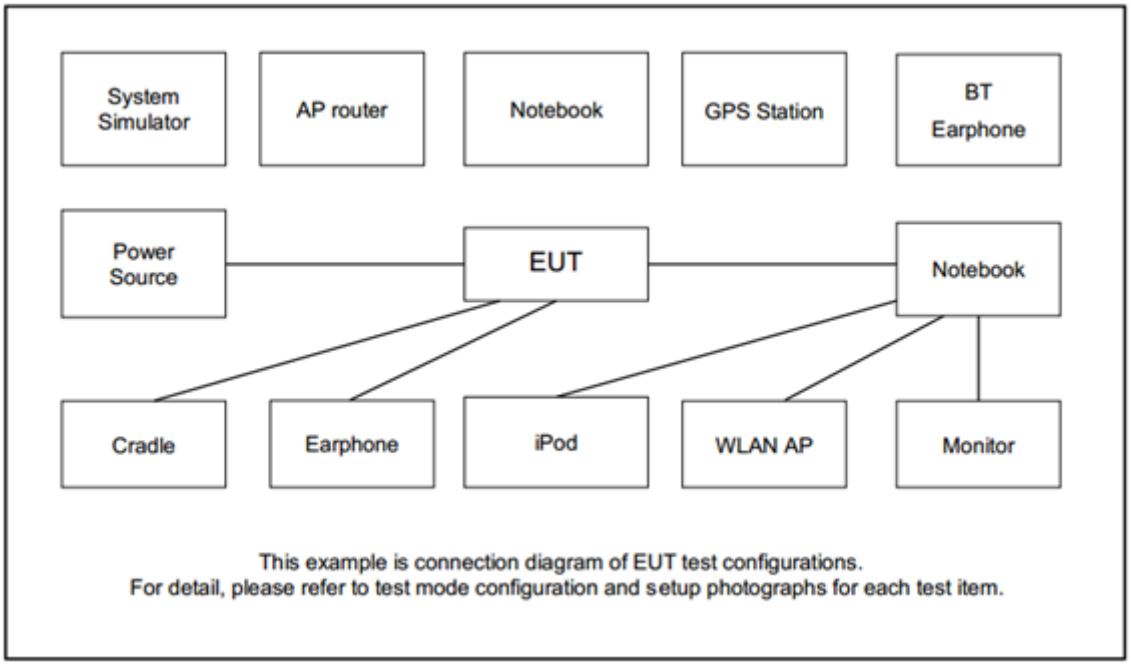
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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	-	-	-
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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
2.	MSR Card	N/A	N/A	N/A	N/A	N/A
3.	Smart Card	N/A	N/A	N/A	N/A	N/A
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term (V.4.83)” 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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

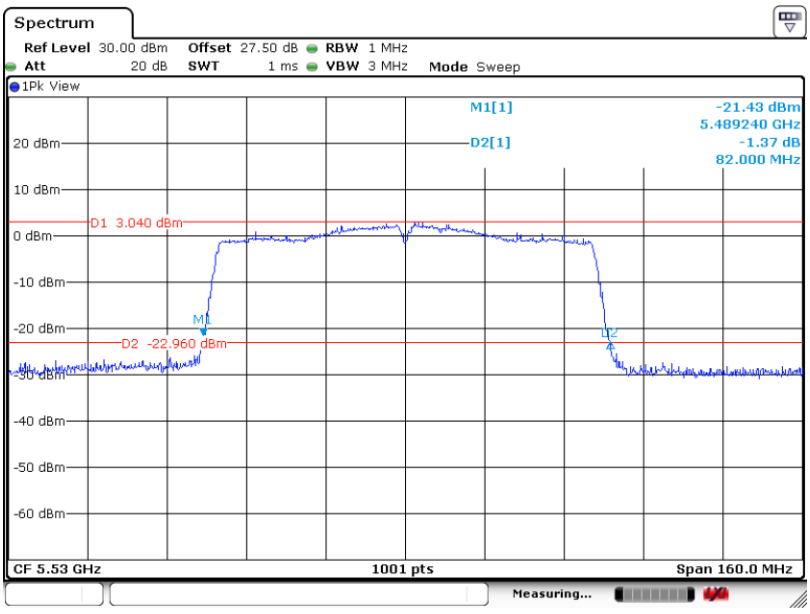
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup

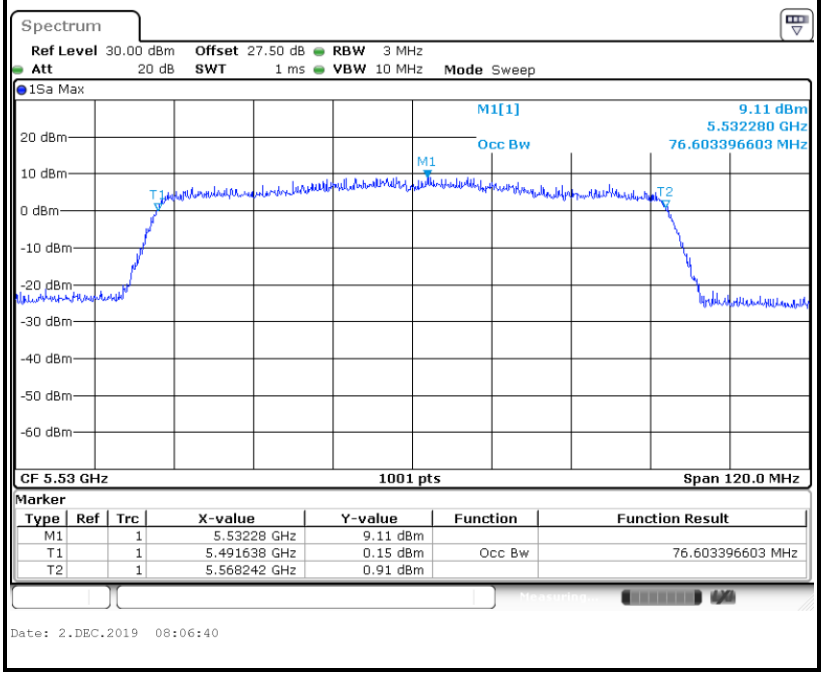
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

Maximum 26dB Bandwidth



Maximum 99% Occupied Bandwidth



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 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

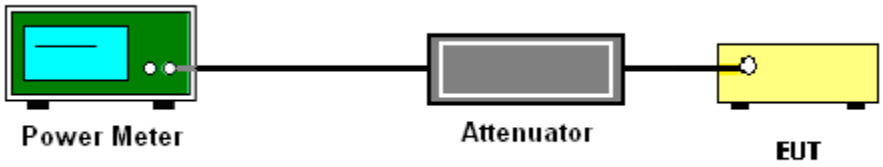
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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.

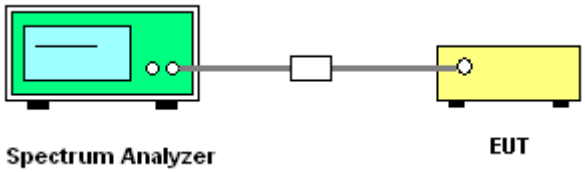
 # Method SA-3 #

(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 ≥ 3 MHz
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × 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.

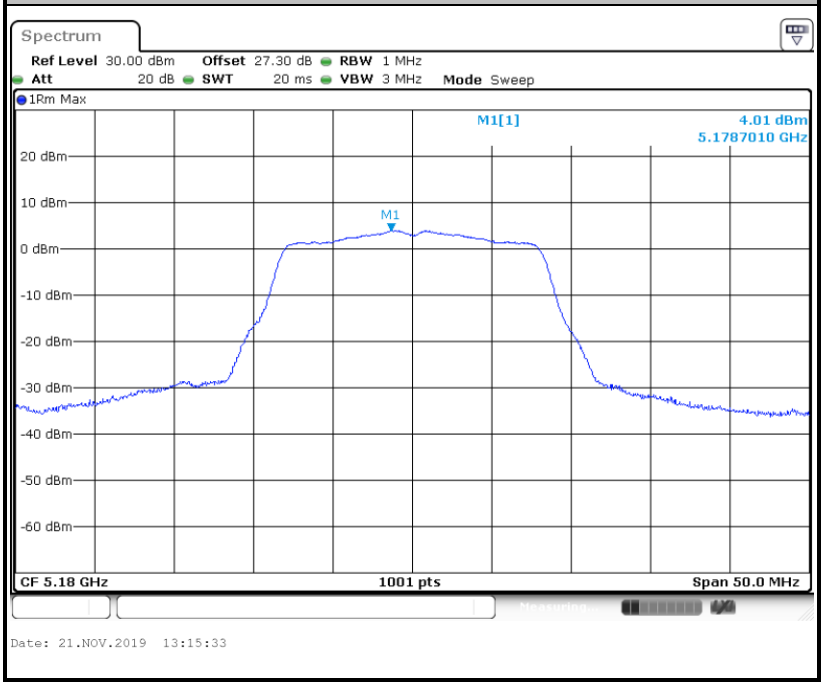
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



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.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/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

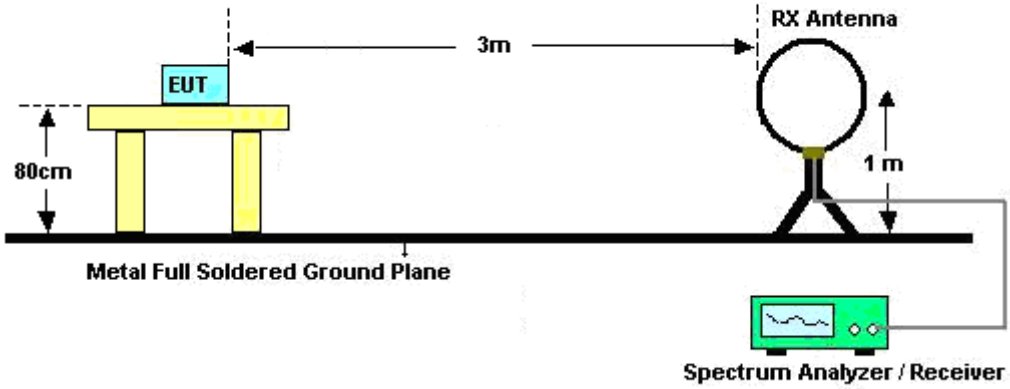
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 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.

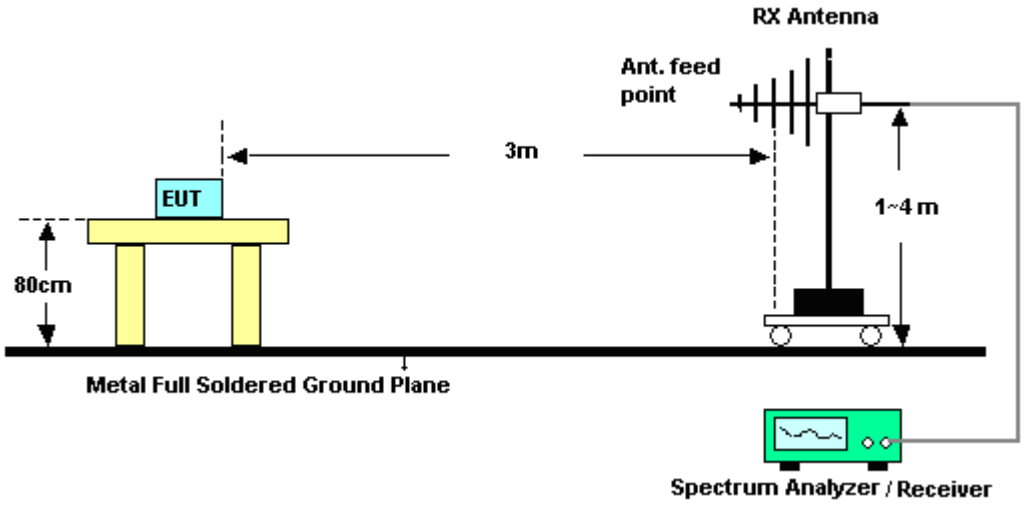
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband 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

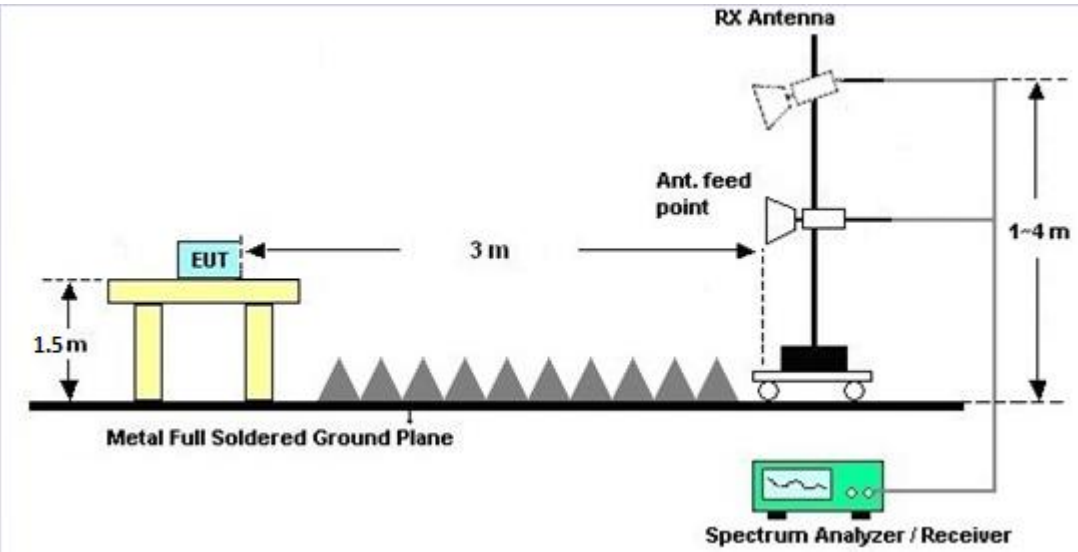
For radiated emissions below 30MHz



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 (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

For terminal test result, the testing follows FCC KDB 174176.

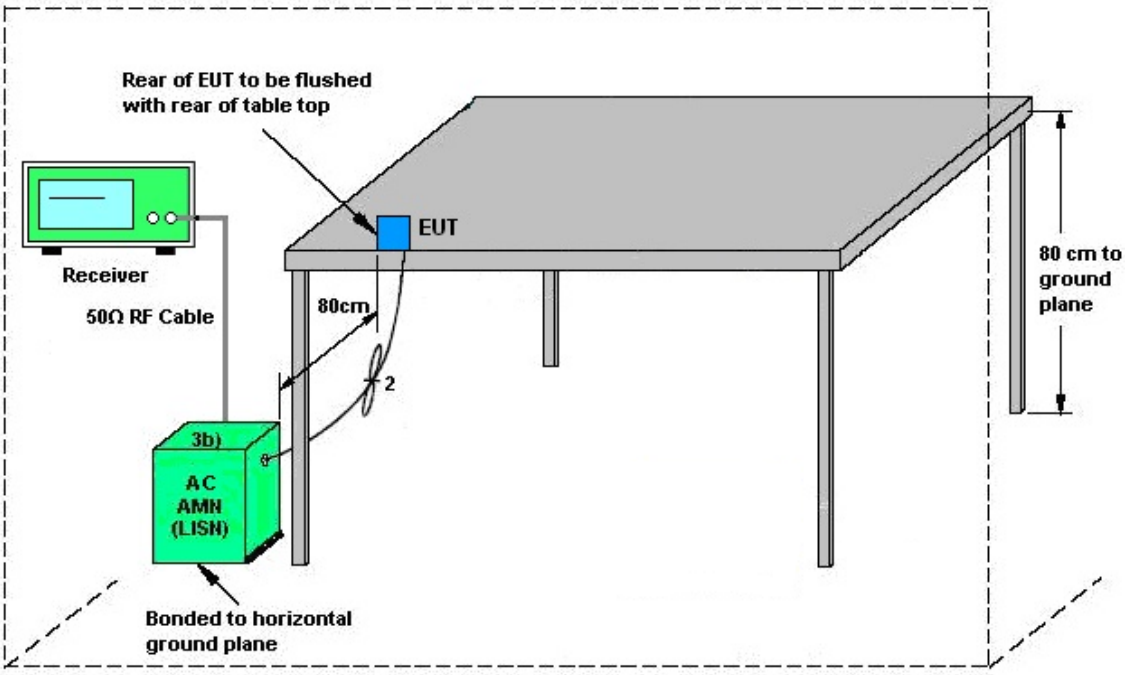
3.5.2 Measuring Instruments

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



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

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
Hygrometer	Testo	608-H2	41410069	N/A	Jun. 17, 2019	Nov. 14, 2019~ Dec. 02, 2019	Jun. 16, 2020	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 10	10MHz~6GHz	Dec. 19, 2018	Nov. 14, 2019~ Dec. 02, 2019	Dec. 18, 2019	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Jul. 15, 2019	Nov. 14, 2019~ Dec. 02, 2019	Jul. 14, 2020	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1208382	N/A	Mar. 27, 2019	Nov. 14, 2019~ Dec. 02, 2019	Mar. 26, 2020	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 28, 2019	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Nov. 15, 2019	Nov. 28, 2019	Nov. 14, 2020	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 19, 2019	Nov. 28, 2019	Mar. 18, 2020	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 20, 2019	Nov. 28, 2019	Nov. 19, 2020	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Nov. 28, 2019	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Dec. 31, 2018	Nov. 28, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Dec. 31, 2018	Nov. 28, 2019	Dec. 30, 2019	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D&0080 0N1D01N-06	37059&01	30MHz~1GHz	Oct. 12, 2019	Nov. 12, 2019~ Nov. 29, 2019	Oct. 11, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Nov. 14, 2019	Nov. 15, 2019~ Nov. 29, 2019	Nov. 13, 2020	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-02037	1GHz ~ 18GHz	Oct. 28, 2019	Nov. 12, 2019~ Nov. 15, 2019	Oct. 27, 2020	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz ~ 40GHz	Dec. 05, 2018	Nov. 12, 2019~ Nov. 29, 2019	Dec. 04, 2019	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 25, 2019	Nov. 12, 2019~ Nov. 29, 2019	Mar. 24, 2020	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 27, 2019	Nov. 12, 2019~ Nov. 29, 2019	May 26, 2020	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA0118-55-303K	171000180005 4002	1GHz~18GHz	Aug. 06, 2019	Nov. 12, 2019~ Nov. 29, 2019	Aug. 05, 2020	Radiation (03CH12-HY)
Preamplifier	Jet-Power	JPA0010180 0-30-10P	16011180002	1GHz~18GHz	Aug. 01, 2019	Nov. 12, 2019~ Nov. 29, 2019	Jul. 31, 2020	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 06, 2018	Nov. 12, 2019~ Nov. 29, 2019	Dec. 05, 2019	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 19, 2019	Nov. 12, 2019~ Nov. 29, 2019	Mar. 18, 2020	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP161243	N/A	Jun. 17, 2019	Nov. 12, 2019~ Nov. 29, 2019	Jun. 16, 2020	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12SS	SN1	1.2 GHz Lowpass	Mar. 22, 2019	Nov. 12, 2019~ Nov. 29, 2019	Mar. 21, 2020	Radiation (03CH12-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN2	6.75GHz High Pass	Mar. 19, 2019	Nov. 12, 2019~ Nov. 29, 2019	Mar. 18, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 26, 2019	Nov. 12, 2019~ Nov. 29, 2019	Feb. 25, 2020	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30M~40GHz	Feb. 26, 2019	Nov. 12, 2019~ Nov. 29, 2019	Feb. 25, 2020	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 12, 2019~ Nov. 29, 2019	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 12, 2019~ Nov. 29, 2019	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 12, 2019~ Nov. 29, 2019	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Nov. 12, 2019~ Nov. 29, 2019	N/A	Radiation (03CH12-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**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.1**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2019/11/14~2019/12/02	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna														
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	17.13	-	22.68	-	-		22.34	-		
11a	6Mbps	1	44	5220	17.18	-	26.32	-	-		22.35	-		
11a	6Mbps	1	48	5240	17.03	-	22.78	-	-		22.31	-		
HT20	MCS0	1	36	5180	17.98	-	22.83	-	-		22.55	-		
HT20	MCS0	1	44	5220	18.08	-	22.73	-	-		22.57	-		
HT20	MCS0	1	48	5240	18.08	-	22.63	-	-		22.57	-		
HT40	MCS0	1	38	5190	36.66	-	41.09	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.66	-	44.60	-	-		23.01	-		
VHT80	MCS0	1	42	5210	76.48	-	81.84	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	13.10	-		24.00	-	1.60	-		Pass
11a	6Mbps	1	44	5220	12.90	-		24.00	-	1.60	-		Pass
11a	6Mbps	1	48	5240	13.00	-		24.00	-	1.60	-		Pass
HT20	MCS0	1	36	5180	12.90	-		24.00	-	1.60	-		Pass
HT20	MCS0	1	44	5220	12.40	-		24.00	-	1.60	-		Pass
HT20	MCS0	1	48	5240	12.60	-		24.00	-	1.60	-		Pass
HT40	MCS0	1	38	5190	10.80	-		24.00	-	1.60	-		Pass
HT40	MCS0	1	46	5230	12.10	-		24.00	-	1.60	-		Pass
VHT40	MCS0	1	38	5190	10.70	-		24.00	-	1.60	-		Pass
VHT40	MCS0	1	46	5230	12.00	-		24.00	-	1.60	-		Pass
VHT80	MCS0	1	42	5210	8.60	-		24.00	-	1.60	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna													
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	4.01	-		11.00	-	1.60	-		Pass
11a	6Mbps	1	44	5220	3.31	-		11.00	-	1.60	-		Pass
11a	6Mbps	1	48	5240	2.97	-		11.00	-	1.60	-		Pass
HT20	MCS0	1	36	5180	2.73	-		11.00	-	1.60	-		Pass
HT20	MCS0	1	44	5220	2.32	-		11.00	-	1.60	-		Pass
HT20	MCS0	1	48	5240	2.35	-		11.00	-	1.60	-		Pass
HT40	MCS0	1	38	5190	-1.68	-		11.00	-	1.60	-		Pass
HT40	MCS0	1	46	5230	-0.72	-		11.00	-	1.60	-		Pass
VHT80	MCS0	1	42	5210	-6.53	-		11.00	-	1.60	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
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	17.03	-	22.63	-	23.31	-	29.31	-	23.98	-	
11a	6Mbps	1	60	5300	17.08	-	22.68	-	23.33	-	29.33	-	23.98	-	
11a	6Mbps	1	64	5320	17.08	-	22.78	-	23.33	-	29.33	-	23.98	-	
HT20	MCS0	1	52	5260	18.18	-	22.88	-	23.60	-	29.60	-	23.98	-	
HT20	MCS0	1	60	5300	18.08	-	22.93	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	64	5320	18.08	-	22.88	-	23.57	-	29.57	-	23.98	-	
HT40	MCS0	1	54	5270	36.66	-	44.24	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.56	-	40.82	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	76.48	-	81.68	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	12.60	-		23.98	-	1.90	-	26.99	Pass
11a	6Mbps	1	60	5300	12.70	-		23.98	-	1.90	-	26.99	Pass
11a	6Mbps	1	64	5320	13.00	-		23.98	-	1.90	-	26.99	Pass
HT20	MCS0	1	52	5260	12.10	-		23.98	-	1.90	-	26.99	Pass
HT20	MCS0	1	60	5300	12.20	-		23.98	-	1.90	-	26.99	Pass
HT20	MCS0	1	64	5320	12.70	-		23.98	-	1.90	-	26.99	Pass
HT40	MCS0	1	54	5270	12.00	-		23.98	-	1.90	-	26.99	Pass
HT40	MCS0	1	62	5310	11.30	-		23.98	-	1.90	-	26.99	Pass
VHT40	MCS0	1	54	5270	11.90	-		23.98	-	1.90	-	26.99	Pass
VHT40	MCS0	1	62	5310	11.20	-		23.98	-	1.90	-	26.99	Pass
VHT80	MCS0	1	58	5290	9.80	-		23.98	-	1.90	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna													
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	3.52	-		11.00	-	1.90	-		Pass
11a	6Mbps	1	60	5300	3.20	-		11.00	-	1.90	-		Pass
11a	6Mbps	1	64	5320	3.11	-		11.00	-	1.90	-		Pass
HT20	MCS0	1	52	5260	2.02	-		11.00	-	1.90	-		Pass
HT20	MCS0	1	60	5300	2.12	-		11.00	-	1.90	-		Pass
HT20	MCS0	1	64	5320	2.22	-		11.00	-	1.90	-		Pass
HT40	MCS0	1	54	5270	-0.79	-		11.00	-	1.90	-		Pass
HT40	MCS0	1	62	5310	-1.44	-		11.00	-	1.90	-		Pass
VHT80	MCS0	1	58	5290	-5.13	-		11.00	-	1.90	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
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	17.08	-	22.93	-	23.33	-	29.33	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.98	-	22.88	-	23.30	-	29.30	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.08	-	22.88	-	23.33	-	29.33	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.08	-	22.78	-	23.57	-	29.57	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.13	-	22.68	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.03	-	22.83	-	23.56	-	29.56	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.56	-	40.73	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.66	-	40.91	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.56	-	41.00	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	76.60	-	82.00	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
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	144	5720	13.54	-	16.49	-	22.32	-	28.32	-	23.17	-	3.142	-
HT20	MCS0	1	144	5720	14.09	-	16.54	-	22.49	-	28.49	-	23.18	-	3.741	-
HT40	MCS0	1	142	5710	33.38	-	35.50	-	23.98	-	30.00	-	23.98	-	2.884	-
VHT80	MCS0	1	138	5690	73.24	-	75.60	-	23.98	-	30.00	-	23.98	-	2.64	-

TEST RESULTS DATA
Average Power Table

FCC Band III single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	13.00	-		23.98	-	2.27	-	26.99	Pass
11a	6Mbps	1	116	5580	12.90	-		23.98	-	2.27	-	26.99	Pass
11a	6Mbps	1	140	5700	13.00	-		23.98	-	2.27	-	26.99	Pass
HT20	MCS0	1	100	5500	12.90	-		23.98	-	2.27	-	26.99	Pass
HT20	MCS0	1	116	5580	12.50	-		23.98	-	2.27	-	26.99	Pass
HT20	MCS0	1	140	5700	12.50	-		23.98	-	2.27	-	26.99	Pass
HT40	MCS0	1	102	5510	12.60	-		23.98	-	2.27	-	26.99	Pass
HT40	MCS0	1	110	5550	12.70	-		23.98	-	2.27	-	26.99	Pass
HT40	MCS0	1	134	5670	12.50	-		23.98	-	2.27	-	26.99	Pass
VHT40	MCS0	1	102	5510	12.50	-		23.98	-	2.27	-	26.99	Pass
VHT40	MCS0	1	110	5550	12.60	-		23.98	-	2.27	-	26.99	Pass
VHT40	MCS0	1	134	5670	12.40	-		23.98	-	2.27	-	26.99	Pass
VHT80	MCS0	1	106	5530	10.80	-		23.98	-	2.27	-	26.99	Pass

FCC Band III straddle channel single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	13.00	-		23.17	-	2.27	-	26.99	Pass
HT20	MCS0	1	144	5720	12.60	-		23.18	-	2.27	-	26.99	Pass
HT40	MCS0	1	142	5710	12.20	-		23.98	-	2.27	-	26.99	Pass
VHT40	MCS0	1	142	5710	12.10	-		23.98	-	2.27	-	26.99	Pass
VHT80	MCS0	1	138	5690	12.30	-		23.98	-	2.27	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band III single antenna													
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	3.45	-		11.00	-	2.27	-		Pass
11a	6Mbps	1	116	5580	3.30	-		11.00	-	2.27	-		Pass
11a	6Mbps	1	140	5700	3.11	-		11.00	-	2.27	-		Pass
HT20	MCS0	1	100	5500	2.29	-		11.00	-	2.27	-		Pass
HT20	MCS0	1	116	5580	2.40	-		11.00	-	2.27	-		Pass
HT20	MCS0	1	140	5700	2.08	-		11.00	-	2.27	-		Pass
HT40	MCS0	1	102	5510	-0.54	-		11.00	-	2.27	-		Pass
HT40	MCS0	1	110	5550	-0.51	-		11.00	-	2.27	-		Pass
HT40	MCS0	1	134	5670	-0.75	-		11.00	-	2.27	-		Pass
VHT80	MCS0	1	106	5530	-4.75	-		11.00	-	2.27	-		Pass

Band III straddle channel single antenna													
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	144	5720	2.79	-		11.00	-	2.27	-		Pass
HT20	MCS0	1	144	5720	2.02	-		11.00	-	2.27	-		Pass
HT40	MCS0	1	142	5710	-0.82	-		11.00	-	2.27	-		Pass
VHT80	MCS0	1	138	5690	-2.95	-		11.00	-	2.27	-		Pass

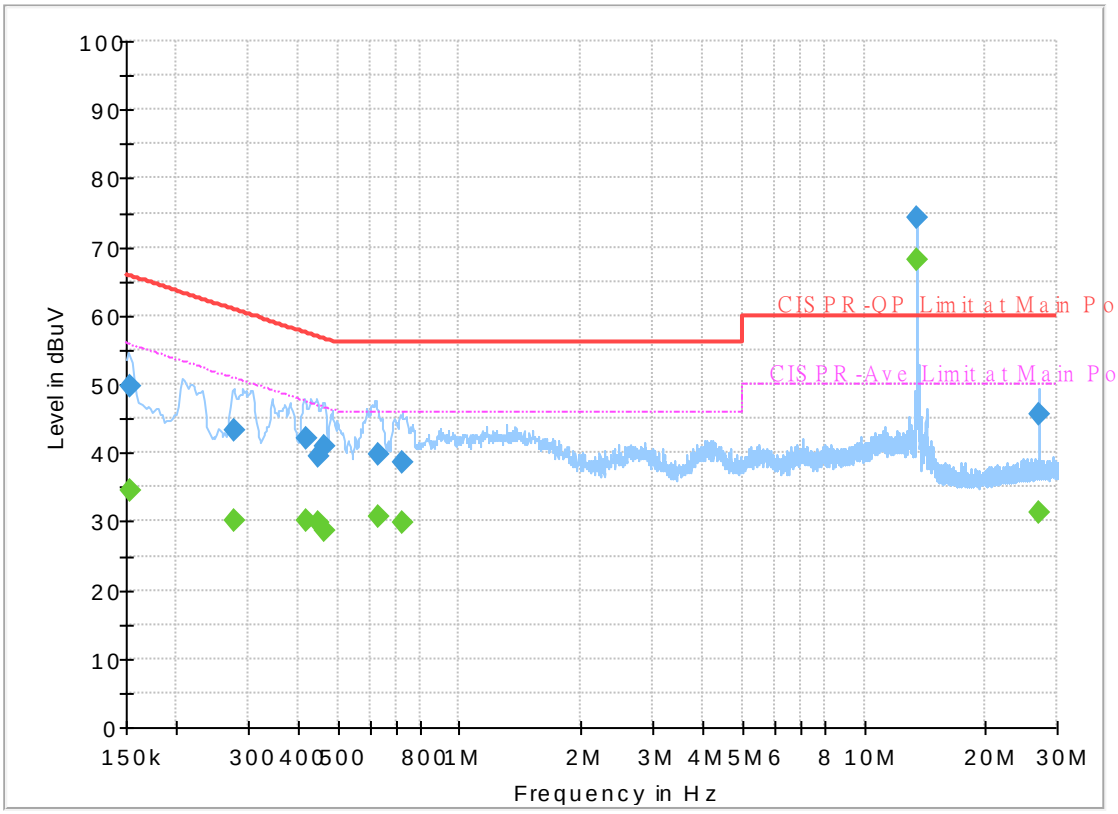
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	**Temperature :**	24.9~26.1℃
		Relative Humidity :	48~55%

Original

Report NO :	832801-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum

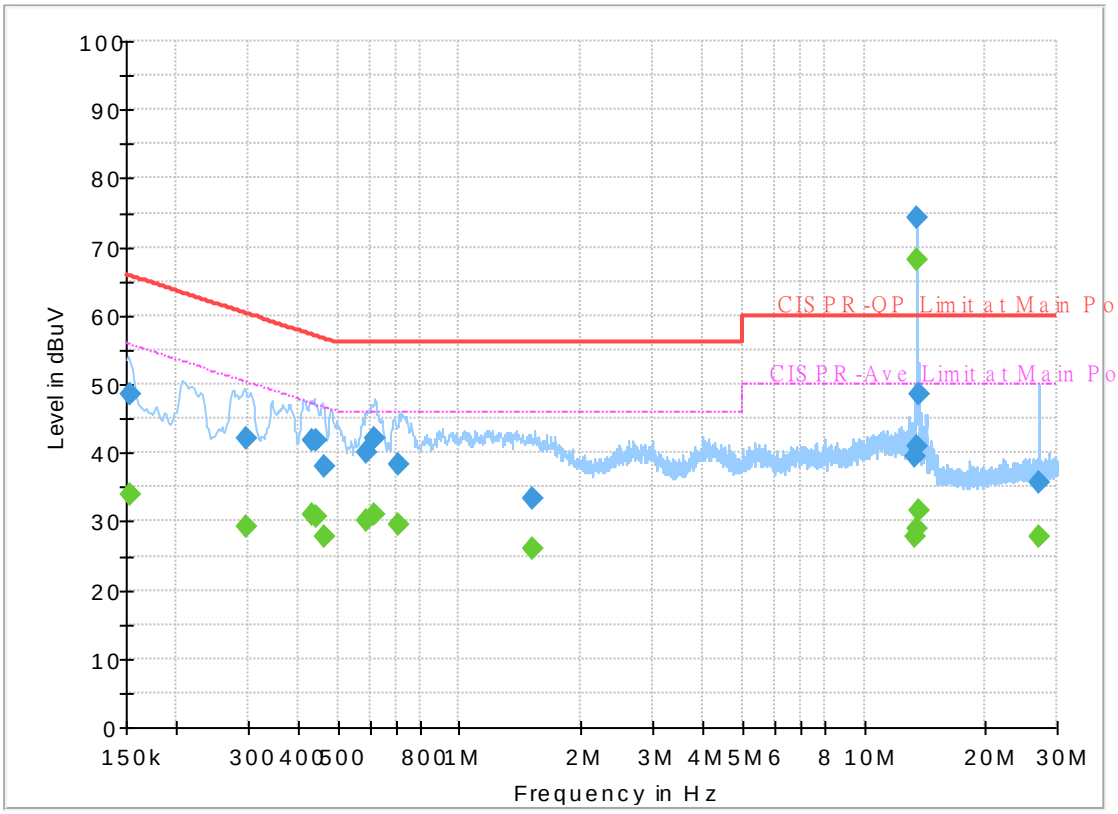


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153038	---	34.50	55.83	21.33	L1	OFF	19.5
0.153038	49.60	---	65.83	16.23	L1	OFF	19.5
0.278250	---	30.10	50.87	20.77	L1	OFF	19.5
0.278250	43.17	---	60.87	17.70	L1	OFF	19.5
0.417480	---	30.00	47.50	17.50	L1	OFF	19.5
0.417480	42.11	---	57.50	15.39	L1	OFF	19.5
0.449250	---	29.97	46.89	16.92	L1	OFF	19.5
0.449250	39.57	---	56.89	17.32	L1	OFF	19.5
0.463380	---	28.70	46.63	17.93	L1	OFF	19.5
0.463380	41.03	---	56.63	15.60	L1	OFF	19.5
0.627000	---	30.73	46.00	15.27	L1	OFF	19.5
0.627000	39.73	---	56.00	16.27	L1	OFF	19.5
0.724470	---	29.72	46.00	16.28	L1	OFF	19.5
0.724470	38.50	---	56.00	17.50	L1	OFF	19.5
13.560000	---	68.03	50.00	-18.03	L1	OFF	20.0
13.560000	74.31	---	60.00	-14.31	L1	OFF	20.0
27.120750	---	31.41	50.00	18.59	L1	OFF	20.3
27.120750	45.71	---	60.00	14.29	L1	OFF	20.3

Report NO :	832801-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

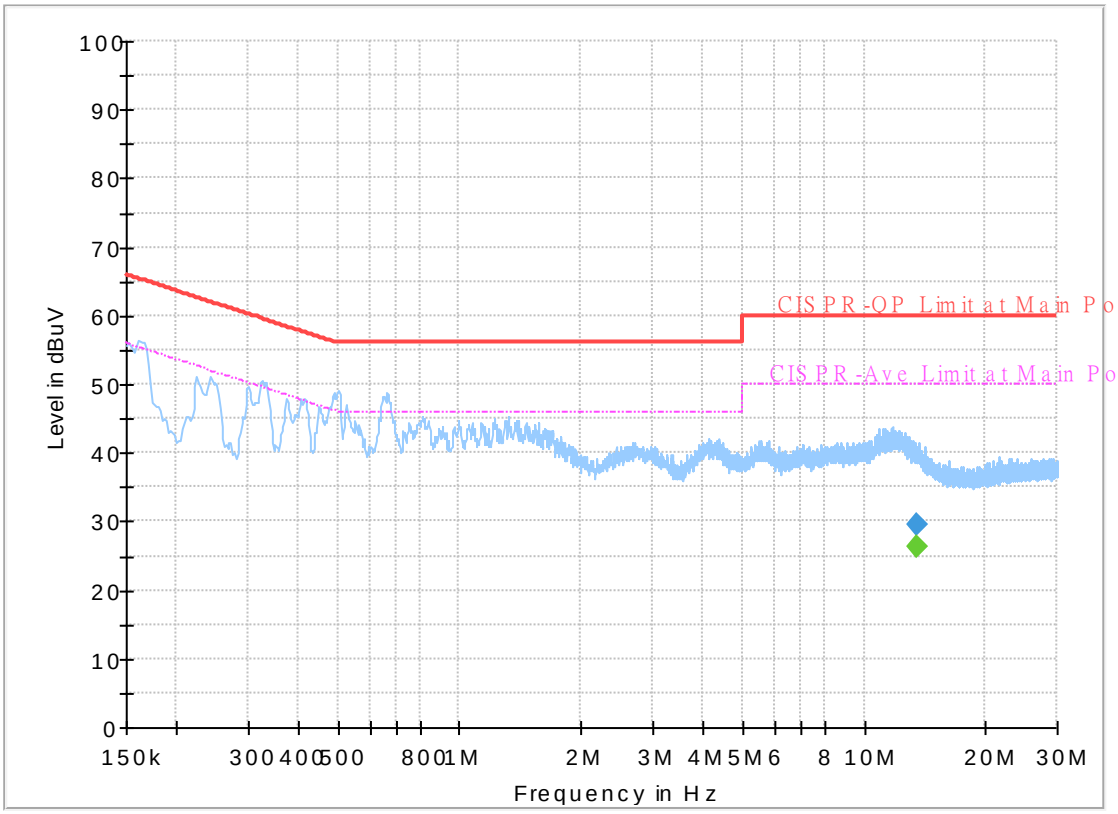
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.153870	---	33.92	55.79	21.87	N	OFF	19.5
0.153870	48.61	---	65.79	17.18	N	OFF	19.5
0.298500	---	29.25	50.28	21.03	N	OFF	19.5
0.298500	42.00	---	60.28	18.28	N	OFF	19.5
0.430800	---	30.91	47.24	16.33	N	OFF	19.5
0.430800	41.72	---	57.24	15.52	N	OFF	19.5
0.442140	---	30.57	47.02	16.45	N	OFF	19.5
0.442140	41.80	---	57.02	15.22	N	OFF	19.5
0.465000	---	27.77	46.60	18.83	N	OFF	19.5
0.465000	37.99	---	56.60	18.61	N	OFF	19.5
0.589650	---	30.05	46.00	15.95	N	OFF	19.6
0.589650	40.07	---	56.00	15.93	N	OFF	19.6
0.613500	---	31.13	46.00	14.87	N	OFF	19.6
0.613500	42.02	---	56.00	13.98	N	OFF	19.6
0.708000	---	29.45	46.00	16.55	N	OFF	19.6
0.708000	38.25	---	56.00	17.75	N	OFF	19.6
1.522500	---	25.96	46.00	20.04	N	OFF	19.6
1.522500	33.38	---	56.00	22.62	N	OFF	19.6
13.426980	---	27.88	50.00	22.12	N	OFF	20.1
13.426980	39.45	---	60.00	20.55	N	OFF	20.1
13.479000	---	29.00	50.00	21.00	N	OFF	20.1

13.479000	**40.96**	**---**	**60.00**	**19.04**	**N**	**OFF**	**20.1**
13.560000	**---**	**68.04**	**50.00**	**-18.04**	**N**	**OFF**	**20.1**
13.560000	**74.34**	**---**	**60.00**	**-14.34**	**N**	**OFF**	**20.1**
13.636230	**---**	**31.72**	**50.00**	**18.28**	**N**	**OFF**	**20.1**
13.636230	**48.41**	**---**	**60.00**	**11.59**	**N**	**OFF**	**20.1**
27.114180	**35.56**	**---**	**60.00**	**24.44**	**N**	**OFF**	**20.5**
27.114180	**---**	**27.77**	**50.00**	**22.23**	**N**	**OFF**	**20.5**

Terminal

Report NO :	832801-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum

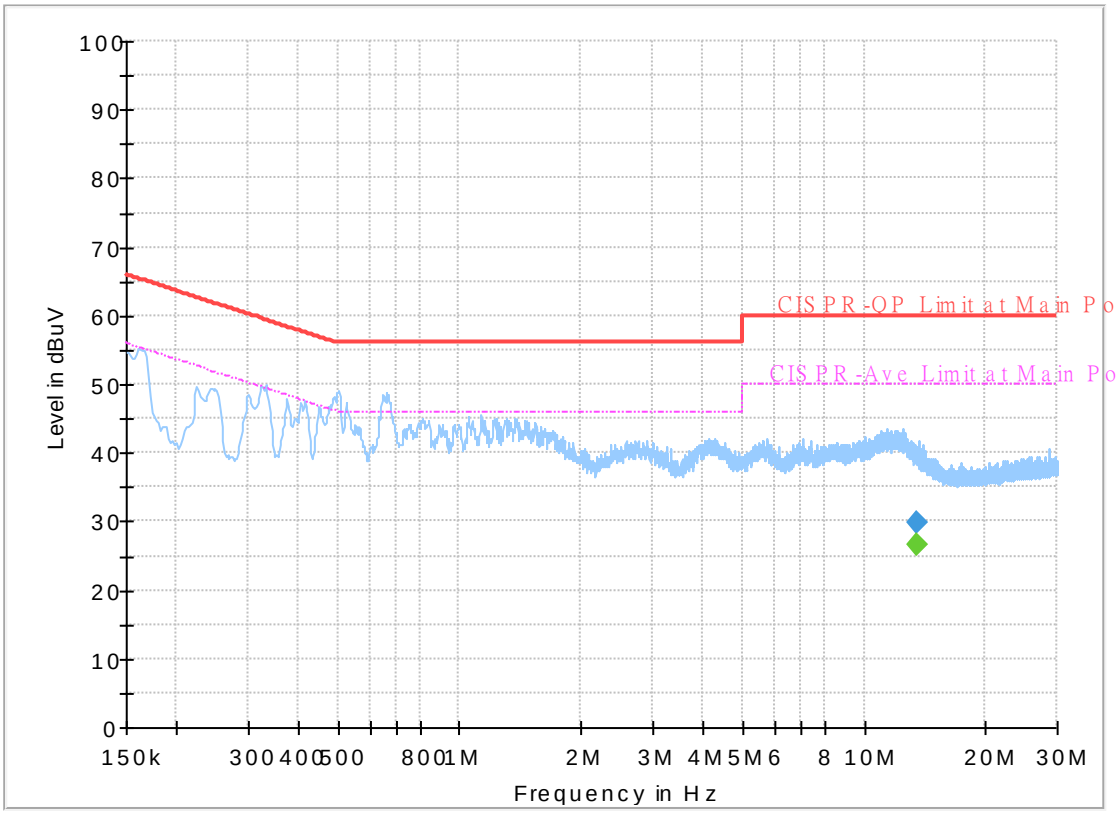


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
13.560000	---	26.39	50.00	23.61	L1	OFF	20.0
13.560000	29.59	---	60.00	30.41	L1	OFF	20.0

Report NO :	832801-05
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
13.560000	---	26.56	50.00	23.44	N	OFF	20.1
13.560000	29.77	---	60.00	30.23	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng , Lance Chiang , Chuan Chu	Temperature :	19.2~26.8°C
		Relative Humidity :	53.5~69%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	56.91	-17.09	74	48.75	31.8	9.83	33.47	319	230	P	H
		5149.76	43.91	-10.09	54	35.75	31.8	9.83	33.47	319	230	A	H
	*	5180	99.91	-	-	91.76	31.74	9.87	33.46	319	230	P	H
	*	5180	92.73	-	-	84.58	31.74	9.87	33.46	319	230	A	H
													H
													H
		5149.76	65.19	-8.81	74	57.03	31.8	9.83	33.47	100	80	P	V
		5150	50.38	-3.62	54	42.22	31.8	9.83	33.47	100	80	A	V
	*	5180	108.79	-	-	100.64	31.74	9.87	33.46	100	80	P	V
	*	5180	101.74	-	-	93.59	31.74	9.87	33.46	100	80	A	V
													V
													V
802.11a CH 44 5220MHz		5032.5	50.96	-23.04	74	43.18	31.6	9.66	33.48	319	161	P	H
		5106.34	42.08	-11.92	54	33.9	31.89	9.76	33.47	319	161	A	H
	*	5220	100.06	-	-	92.02	31.58	9.92	33.46	319	161	P	H
	*	5220	92.73	-	-	84.69	31.58	9.92	33.46	319	161	A	H
		5459.16	50.28	-23.72	74	41.84	31.64	10.23	33.43	319	161	P	H
		5424.72	41.65	-12.35	54	33.41	31.5	10.18	33.44	319	161	A	H
		5112.06	51.5	-22.5	74	43.32	31.88	9.77	33.47	100	68	P	V
		5144.3	42.46	-11.54	54	34.3	31.81	9.82	33.47	100	68	A	V
	*	5220	107.06	-	-	99.02	31.58	9.92	33.46	100	68	P	V
	*	5220	99.8	-	-	91.76	31.58	9.92	33.46	100	68	A	V
		5409.88	50.61	-23.39	74	42.45	31.44	10.16	33.44	100	68	P	V
		5405.68	41.98	-12.02	54	33.84	31.42	10.16	33.44	100	68	A	V

802.11a CH 48 5240MHz		5077.48	51.19	-22.81	74	43.13	31.81	9.72	33.47	318	158	P	H
		5105.82	41.92	-12.08	54	33.74	31.89	9.76	33.47	318	158	A	H
	*	5240	100.31	-	-	92.36	31.46	9.95	33.46	318	158	P	H
	*	5240	93.16	-	-	85.21	31.46	9.95	33.46	318	158	A	H
		5358.08	49.71	-24.29	74	41.82	31.23	10.1	33.44	318	158	P	H
		5448.52	41.59	-12.41	54	33.22	31.59	10.22	33.44	318	158	A	H
		5119.34	51.71	-22.29	74	43.54	31.86	9.78	33.47	100	59	P	V
		5146.12	42.3	-11.7	54	34.14	31.81	9.82	33.47	100	59	A	V
	*	5240	108.25	-	-	100.3	31.46	9.95	33.46	100	59	P	V
	*	5240	100.88	-	-	92.93	31.46	9.95	33.46	100	59	A	V
		5374.04	50.81	-23.19	74	42.83	31.3	10.12	33.44	100	59	P	V
		5426.68	42.01	-11.99	54	33.75	31.51	10.19	33.44	100	59	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	47.63	-20.57	68.2	56.65	39.8	15.05	63.87	100	0	P	H
		15540	45.73	-28.27	74	51.12	38.02	18.51	61.92	100	0	P	H
													H
													H
		10360	47.43	-20.77	68.2	56.45	39.8	15.05	63.87	100	0	P	V
		15540	45.78	-28.22	74	51.17	38.02	18.51	61.92	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.12	-20.08	68.2	56.84	39.96	15.09	63.77	100	0	P	H
		15660	44.7	-29.3	74	50.3	37.78	18.58	61.96	100	0	P	H
													H
													H
		10440	47.15	-21.05	68.2	55.87	39.96	15.09	63.77	100	0	P	V
		15660	44.47	-29.53	74	50.07	37.78	18.58	61.96	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	47.48	-20.72	68.2	56.17	39.92	15.11	63.72	100	0	P	H
		15720	45.33	-28.67	74	51.09	37.62	18.61	61.99	100	0	P	H
													H
													H
		10480	47.38	-20.82	68.2	56.07	39.92	15.11	63.72	100	0	P	V
		15720	44.84	-29.16	74	50.6	37.62	18.61	61.99	100	0	P	V
													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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5145.08	55.65	-18.35	74	47.49	31.81	9.82	33.47	356	228	P	H
		5148.2	44.13	-9.87	54	35.98	31.8	9.82	33.47	356	228	A	H
	*	5180	99.23	-	-	91.08	31.74	9.87	33.46	356	228	P	H
	*	5180	92.18	-	-	84.03	31.74	9.87	33.46	356	228	A	H
802.11n													H
HT20													H
CH 36		5144.56	62.42	-11.58	74	54.26	31.81	9.82	33.47	100	56	P	V
5180MHz		5149.5	49.75	-4.25	54	41.59	31.8	9.83	33.47	100	56	A	V
	*	5180	106.8	-	-	98.65	31.74	9.87	33.46	100	56	P	V
	*	5180	99.58	-	-	91.43	31.74	9.87	33.46	100	56	A	V
													V
													V
		5109.46	51.46	-22.54	74	43.28	31.88	9.77	33.47	368	227	P	H
		5134.94	41.99	-12.01	54	33.82	31.83	9.81	33.47	368	227	A	H
	*	5220	100.56	-	-	92.52	31.58	9.92	33.46	368	227	P	H
	*	5220	93.05	-	-	85.01	31.58	9.92	33.46	368	227	A	H
802.11n		5419.96	50.12	-23.88	74	41.9	31.48	10.18	33.44	368	227	P	H
HT20		5419.68	41.66	-12.34	54	33.44	31.48	10.18	33.44	368	227	A	H
CH 44		5147.16	51.84	-22.16	74	43.68	31.81	9.82	33.47	100	58	P	V
5220MHz		5147.68	42.33	-11.67	54	34.18	31.8	9.82	33.47	100	58	A	V
	*	5220	107.81	-	-	99.77	31.58	9.92	33.46	100	58	P	V
	*	5220	99.82	-	-	91.78	31.58	9.92	33.46	100	58	A	V
		5400.36	51.03	-22.97	74	42.92	31.4	10.15	33.44	100	58	P	V
		5405.12	42.2	-11.8	54	34.06	31.42	10.16	33.44	100	58	A	V

		5030.68	50.7	-23.3	74	42.95	31.58	9.65	33.48	355	230	P	H
		5104.26	42.15	-11.85	54	33.97	31.89	9.76	33.47	355	230	A	H
	*	5240	100.19	-	-	92.24	31.46	9.95	33.46	355	230	P	H
	*	5240	92.37	-	-	84.42	31.46	9.95	33.46	355	230	A	H
802.11n		5456.92	49.83	-24.17	74	41.4	31.63	10.23	33.43	355	230	P	H
HT20		5440.68	41.59	-12.41	54	33.26	31.56	10.21	33.44	355	230	A	H
CH 48		5141.96	51.59	-22.41	74	43.42	31.82	9.82	33.47	100	59	P	V
5240MHz		5113.62	42.18	-11.82	54	34.01	31.87	9.77	33.47	100	59	A	V
	*	5240	107.28	-	-	99.33	31.46	9.95	33.46	100	59	P	V
	*	5240	99.53	-	-	91.58	31.46	9.95	33.46	100	59	A	V
		5366.48	50.64	-23.36	74	42.7	31.27	10.11	33.44	100	59	P	V
		5425.56	41.91	-12.09	54	33.66	31.5	10.19	33.44	100	59	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	46.6	-21.6	68.2	55.62	39.8	15.05	63.87	100	0	P	H
		15540	44.89	-29.11	74	50.28	38.02	18.51	61.92	100	0	P	H
802.11n													H
HT20													H
CH 36		10360	46.56	-21.64	68.2	55.58	39.8	15.05	63.87	100	0	P	V
5180MHz		15540	45.39	-28.61	74	50.78	38.02	18.51	61.92	100	0	P	V
													V
													V
		10440	46.83	-21.37	68.2	55.55	39.96	15.09	63.77	100	0	P	H
		15660	44.98	-29.02	74	50.58	37.78	18.58	61.96	100	0	P	H
802.11n													H
HT20													H
CH 44		10440	47.11	-21.09	68.2	55.83	39.96	15.09	63.77	100	0	P	V
5220MHz		15660	44.33	-29.67	74	49.93	37.78	18.58	61.96	100	0	P	V
													V
													V
		10480	47.5	-20.7	68.2	56.19	39.92	15.11	63.72	100	0	P	H
		15720	44.26	-29.74	74	50.02	37.62	18.61	61.99	100	0	P	H
802.11n													H
HT20													H
CH 48		10480	47.33	-20.87	68.2	56.02	39.92	15.11	63.72	100	0	P	V
5240MHz		15720	44.46	-29.54	74	50.22	37.62	18.61	61.99	100	0	P	V
													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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5135.46	52.31	-21.69	74	44.14	31.83	9.81	33.47	298	120	P	H
		5149.5	43.8	-10.2	54	35.64	31.8	9.83	33.47	298	120	A	H
	*	5190	92.29	-	-	84.14	31.72	9.89	33.46	298	120	P	H
	*	5190	84.82	-	-	76.67	31.72	9.89	33.46	298	120	A	H
802.11n		5405.4	51.01	-22.99	74	42.87	31.42	10.16	33.44	298	120	P	H
HT40		5451.88	42.79	-11.21	54	34.39	31.61	10.22	33.43	298	120	A	H
CH 38		5148.98	59.39	-14.61	74	51.23	31.8	9.83	33.47	124	55	P	V
5190MHz		5149.76	50.95	-3.05	54	42.79	31.8	9.83	33.47	124	55	A	V
	*	5190	102.55	-	-	94.4	31.72	9.89	33.46	124	55	P	V
	*	5190	95.6	-	-	87.45	31.72	9.89	33.46	124	55	A	V
		5437.6	51	-23	74	42.69	31.55	10.2	33.44	124	55	P	V
		5395.6	43.05	-10.95	54	34.97	31.38	10.14	33.44	124	55	A	V
		5137.28	51.12	-22.88	74	42.95	31.83	9.81	33.47	285	293	P	H
		5143.26	43.21	-10.79	54	35.05	31.81	9.82	33.47	285	293	A	H
	*	5230	97.26	-	-	89.26	31.52	9.94	33.46	285	293	P	H
	*	5230	90.33	-	-	82.33	31.52	9.94	33.46	285	293	A	H
802.11n		5449.36	50.56	-23.44	74	42.18	31.6	10.22	33.44	285	293	P	H
HT40		5356.12	42.97	-11.03	54	35.09	31.22	10.1	33.44	285	293	A	H
CH 46		5147.16	55.91	-18.09	74	47.75	31.81	9.82	33.47	100	63	P	V
5230MHz		5149.5	46.62	-7.38	54	38.46	31.8	9.83	33.47	100	63	A	V
	*	5230	105.57	-	-	97.57	31.52	9.94	33.46	100	63	P	V
	*	5230	97.94	-	-	89.94	31.52	9.94	33.46	100	63	A	V
		5356.12	51.37	-22.63	74	43.49	31.22	10.1	33.44	100	63	P	V
		5350.52	43.69	-10.31	54	35.84	31.2	10.09	33.44	100	63	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.24	-20.96	68.2	56.12	39.9	15.06	63.84	100	0	P	H
		15570	45.66	-28.34	74	51.1	37.96	18.53	61.93	100	0	P	H
802.11n													H
HT40													H
CH 38		10380	47.52	-20.68	68.2	56.4	39.9	15.06	63.84	100	0	P	V
5190MHz		15570	44.34	-29.66	74	49.78	37.96	18.53	61.93	100	0	P	V
													V
													V
		10460	46.41	-21.79	68.2	55.12	39.94	15.1	63.75	100	0	P	H
		15690	44.88	-29.12	74	50.55	37.72	18.59	61.98	100	0	P	H
802.11n													H
HT40													H
CH 46		10460	47.2	-21	68.2	55.91	39.94	15.1	63.75	100	0	P	V
5230MHz		15690	45.77	-28.23	74	51.44	37.72	18.59	61.98	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5052	51.99	-22.01	74	44.06	31.71	9.69	33.47	369	230	P	H
		5137.02	45.16	-8.84	54	36.99	31.83	9.81	33.47	369	230	A	H
	*	5210	89.51	-	-	81.42	31.64	9.91	33.46	369	230	P	H
	*	5210	82.4	-	-	74.31	31.64	9.91	33.46	369	230	A	H
		5459.44	50.86	-23.14	74	42.42	31.64	10.23	33.43	369	230	P	H
		5453.84	44.04	-9.96	54	35.62	31.62	10.23	33.43	369	230	A	H
		5140.66	56.67	-17.33	74	48.51	31.82	9.81	33.47	109	64	P	V
		5147.68	51.41	-2.59	54	43.26	31.8	9.82	33.47	109	64	A	V
	*	5210	98.28	-	-	90.19	31.64	9.91	33.46	109	64	P	V
	*	5210	91.89	-	-	83.8	31.64	9.91	33.46	109	64	A	V
		5385.52	52.93	-21.07	74	44.9	31.34	10.13	33.44	109	64	P	V
		5374.88	45.49	-8.51	54	37.51	31.3	10.12	33.44	109	64	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	48.6	-19.6	68.2	57.34	39.98	15.08	63.8	100	0	P	H
		15630	44.99	-29.01	74	50.54	37.84	18.56	61.95	100	0	P	H
802.11ac													H
VHT80													H
CH 42		10420	47.67	-20.53	68.2	56.41	39.98	15.08	63.8	100	0	P	V
5210MHz		15630	45.03	-28.97	74	50.58	37.84	18.56	61.95	100	0	P	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 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5106.76	50.81	-23.19	74	42.63	31.89	9.76	33.47	327	229	P	H
		5121.72	42.14	-11.86	54	33.96	31.86	9.79	33.47	327	229	A	H
	*	5260	99.66	-	-	91.74	31.4	9.97	33.45	327	229	P	H
	*	5260	92.52	-	-	84.6	31.4	9.97	33.45	327	229	A	H
		5372.16	50.27	-23.73	74	42.3	31.29	10.12	33.44	327	229	P	H
		5448.72	42.05	-11.95	54	33.68	31.59	10.22	33.44	327	229	A	H
		5048.96	52.06	-21.94	74	44.17	31.69	9.68	33.48	100	85	P	V
		5130.22	42.29	-11.71	54	34.12	31.84	9.8	33.47	100	85	A	V
	*	5260	107.31	-	-	99.39	31.4	9.97	33.45	100	85	P	V
	*	5260	100.28	-	-	92.36	31.4	9.97	33.45	100	85	A	V
		5387.76	50.57	-23.43	74	42.53	31.35	10.13	33.44	100	85	P	V
		5447.76	42.69	-11.31	54	34.32	31.59	10.22	33.44	100	85	A	V
802.11a CH 60 5300MHz		5083.64	49.77	-24.23	74	41.68	31.83	9.73	33.47	334	234	P	H
		5098.26	41.95	-12.05	54	33.78	31.89	9.75	33.47	334	234	A	H
	*	5300	99.06	-	-	91.09	31.4	10.02	33.45	334	234	P	H
	*	5300	91.83	-	-	83.86	31.4	10.02	33.45	334	234	A	H
		5443.92	50.77	-23.23	74	42.42	31.58	10.21	33.44	334	234	P	H
		5454.72	41.81	-12.19	54	33.39	31.62	10.23	33.43	334	234	A	H
		5114.58	51.44	-22.56	74	43.26	31.87	9.78	33.47	109	86	P	V
		5129.88	42.19	-11.81	54	34.02	31.84	9.8	33.47	109	86	A	V
	*	5300	107.31	-	-	99.34	31.4	10.02	33.45	109	86	P	V
	*	5300	100.32	-	-	92.35	31.4	10.02	33.45	109	86	A	V
		5351.04	52.98	-21.02	74	45.13	31.2	10.09	33.44	109	86	P	V
		5350.56	43.65	-10.35	54	35.8	31.2	10.09	33.44	109	86	A	V

802.11a CH 64 5320MHz	*	5320	99.63	-	-	91.71	31.32	10.05	33.45	336	237	P	H
	*	5320	92.49	-	-	84.57	31.32	10.05	33.45	336	237	A	H
		5351.52	51.13	-22.87	74	43.27	31.21	10.09	33.44	336	237	P	H
		5350.24	42.72	-11.28	54	34.87	31.2	10.09	33.44	336	237	A	H
													H
													H
	*	5320	107.76	-	-	99.84	31.32	10.05	33.45	111	55	P	V
	*	5320	100.61	-	-	92.69	31.32	10.05	33.45	111	55	A	V
		5350.72	60.12	-13.88	74	52.27	31.2	10.09	33.44	111	55	P	V
		5352	47.46	-6.54	54	39.6	31.21	10.09	33.44	111	55	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.06	-21.14	68.2	55.67	39.94	15.14	63.69	100	0	P	H
		15780	44.85	-29.15	74	50.84	37.38	18.64	62.01	100	0	P	H
													H
													H
		10520	48.29	-19.91	68.2	56.9	39.94	15.14	63.69	100	0	P	V
		15780	44.53	-29.47	74	50.52	37.38	18.64	62.01	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	48.01	-25.99	74	56.37	40.1	15.18	63.64	100	0	P	H
		15900	44.72	-29.28	74	50.47	37.6	18.71	62.06	100	0	P	H
													H
													H
		10600	48.4	-25.6	74	56.76	40.1	15.18	63.64	100	0	P	V
		15900	44.75	-29.25	74	50.5	37.6	18.71	62.06	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	46.51	-27.49	74	54.95	39.98	15.2	63.62	100	0	P	H
		15960	45.02	-28.98	74	50.88	37.48	18.74	62.08	100	0	P	H
													H
													H
		10640	47.49	-26.51	74	55.93	39.98	15.2	63.62	100	0	P	V
		15960	44.92	-29.08	74	50.78	37.48	18.74	62.08	100	0	P	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5042.84	50.73	-23.27	74	42.88	31.66	9.67	33.48	338	228	P	H
		5116.28	42	-12	54	33.82	31.87	9.78	33.47	338	228	A	H
	*	5260	98.7	-	-	90.78	31.4	9.97	33.45	338	228	P	H
	*	5260	92.18	-	-	84.26	31.4	9.97	33.45	338	228	A	H
802.11n		5450.88	50.35	-23.65	74	41.96	31.6	10.22	33.43	338	228	P	H
HT20		5455.92	41.77	-12.23	54	33.35	31.62	10.23	33.43	338	228	A	H
CH 52		5057.8	51.98	-22.02	74	44.03	31.73	9.69	33.47	100	57	P	V
5260MHz		5145.18	42.21	-11.79	54	34.05	31.81	9.82	33.47	100	57	A	V
	*	5260	107.5	-	-	99.58	31.4	9.97	33.45	100	57	P	V
	*	5260	99.52	-	-	91.6	31.4	9.97	33.45	100	57	A	V
		5393.52	50.36	-23.64	74	42.29	31.37	10.14	33.44	100	57	P	V
		5448.24	42.4	-11.6	54	34.03	31.59	10.22	33.44	100	57	A	V
		5116.28	50.51	-23.49	74	42.33	31.87	9.78	33.47	354	226	P	H
		5128.18	41.88	-12.12	54	33.71	31.84	9.8	33.47	354	226	A	H
	*	5300	98.83	-	-	90.86	31.4	10.02	33.45	354	226	P	H
	*	5300	91.84	-	-	83.87	31.4	10.02	33.45	354	226	A	H
802.11n		5376.72	51.02	-22.98	74	43.03	31.31	10.12	33.44	354	226	P	H
HT20		5459.52	41.91	-12.09	54	33.47	31.64	10.23	33.43	354	226	A	H
CH 60		5051.34	50.66	-23.34	74	42.74	31.71	9.68	33.47	100	56	P	V
5300MHz		5141.44	42.06	-11.94	54	33.89	31.82	9.82	33.47	100	56	A	V
	*	5300	107.06	-	-	99.09	31.4	10.02	33.45	100	56	P	V
	*	5300	100.04	-	-	92.07	31.4	10.02	33.45	100	56	A	V
		5368.56	51.07	-22.93	74	43.13	31.27	10.11	33.44	100	56	P	V
		5350.56	43.25	-10.75	54	35.4	31.2	10.09	33.44	100	56	A	V

	*	5320	98.96	-	-	91.04	31.32	10.05	33.45	355	230	P	H
	*	5320	92.23	-	-	84.31	31.32	10.05	33.45	355	230	A	H
		5355.52	50.04	-23.96	74	42.17	31.22	10.09	33.44	355	230	P	H
		5350.24	42.67	-11.33	54	34.82	31.2	10.09	33.44	355	230	A	H
802.11n													H
HT20													H
CH 64	*	5320	105.75	-	-	97.83	31.32	10.05	33.45	109	56	P	V
5320MHz	*	5320	97.16	-	-	89.24	31.32	10.05	33.45	109	56	A	V
		5361.12	55.65	-18.35	74	47.75	31.24	10.1	33.44	109	56	P	V
		5351.52	46.5	-7.5	54	38.64	31.21	10.09	33.44	109	56	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.97	-20.23	68.2	56.58	39.94	15.14	63.69	100	0	P	H
		15780	45.43	-28.57	74	51.42	37.38	18.64	62.01	100	0	P	H
802.11n													H
HT20													H
CH 52		10520	48.37	-19.83	68.2	56.98	39.94	15.14	63.69	100	0	P	V
5260MHz		15780	45.39	-28.61	74	51.38	37.38	18.64	62.01	100	0	P	V
													V
													V
		10600	48.06	-25.94	74	56.42	40.1	15.18	63.64	100	0	P	H
		15900	44.37	-29.63	74	50.12	37.6	18.71	62.06	100	0	P	H
802.11n													H
HT20													H
CH 60		10600	49.73	-24.27	74	58.09	40.1	15.18	63.64	100	0	P	V
5300MHz		15900	45.63	-28.37	74	51.38	37.6	18.71	62.06	100	0	P	V
													V
													V
		10640	46.8	-27.2	74	55.24	39.98	15.2	63.62	100	0	P	H
		15960	44.46	-29.54	74	50.32	37.48	18.74	62.08	100	0	P	H
802.11n													H
HT20													H
CH 64		10640	47.67	-26.33	74	56.11	39.98	15.2	63.62	100	0	P	V
5320MHz		15960	45.75	-28.25	74	51.61	37.48	18.74	62.08	100	0	P	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 802.11n 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5081.26	50.51	-23.49	74	42.42	31.83	9.73	33.47	279	228	P	H
		5137.02	42.96	-11.04	54	34.79	31.83	9.81	33.47	279	228	A	H
	*	5270	96.24	-	-	88.3	31.4	9.99	33.45	279	228	P	H
	*	5270	89.48	-	-	81.54	31.4	9.99	33.45	279	228	A	H
		5351.28	52.7	-21.3	74	44.84	31.21	10.09	33.44	279	228	P	H
		5456.4	42.54	-11.46	54	34.11	31.63	10.23	33.43	279	228	A	H
		5119	50.8	-23.2	74	42.63	31.86	9.78	33.47	100	14	P	V
		5138.72	43.02	-10.98	54	34.86	31.82	9.81	33.47	100	14	A	V
	*	5270	103.7	-	-	95.76	31.4	9.99	33.45	100	14	P	V
	*	5270	96.86	-	-	88.92	31.4	9.99	33.45	100	14	A	V
		5369.52	50.14	-23.86	74	42.19	31.28	10.11	33.44	100	14	P	V
		5351.28	44.23	-9.77	54	36.37	31.21	10.09	33.44	100	14	A	V
802.11n HT40 CH 62 5310MHz		5107.78	50.86	-23.14	74	42.68	31.88	9.77	33.47	247	293	P	H
		5082.96	42.84	-11.16	54	34.75	31.83	9.73	33.47	247	293	A	H
	*	5310	95.43	-	-	87.48	31.36	10.04	33.45	247	293	P	H
	*	5310	88.08	-	-	80.13	31.36	10.04	33.45	247	293	A	H
		5352.24	50.05	-23.95	74	42.19	31.21	10.09	33.44	247	293	P	H
		5350.08	44.24	-9.76	54	36.39	31.2	10.09	33.44	247	293	A	H
		5131.92	51.47	-22.53	74	43.3	31.84	9.8	33.47	100	85	P	V
		5144.84	42.97	-11.03	54	34.81	31.81	9.82	33.47	100	85	A	V
	*	5310	103.41	-	-	95.46	31.36	10.04	33.45	100	85	P	V
	*	5310	95.86	-	-	87.91	31.36	10.04	33.45	100	85	A	V
		5353.44	58.58	-15.42	74	50.72	31.21	10.09	33.44	100	85	P	V
		5350.56	50.9	-3.1	54	43.05	31.2	10.09	33.44	100	85	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	46.68	-21.52	68.2	55.23	39.98	15.15	63.68	100	0	P	H
		15810	44.47	-29.53	74	50.5	37.33	18.66	62.02	100	0	P	H
802.11n													H
HT40													H
CH 54		10540	47.11	-21.09	68.2	55.66	39.98	15.15	63.68	100	0	P	V
5270MHz		15810	45.44	-28.56	74	51.47	37.33	18.66	62.02	100	0	P	V
													V
													V
		10620	47.84	-26.16	74	56.24	40.04	15.19	63.63	100	0	P	H
		15930	44.91	-29.09	74	50.71	37.54	18.73	62.07	100	0	P	H
802.11n													H
HT40													H
CH 62		10620	48.39	-25.61	74	56.79	40.04	15.19	63.63	100	0	P	V
5310MHz		15930	45.51	-28.49	74	51.31	37.54	18.73	62.07	100	0	P	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 802.11ac 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5144.16	51.4	-22.6	74	43.24	31.81	9.82	33.47	300	228	P	H
		5110.84	44.73	-9.27	54	36.55	31.88	9.77	33.47	300	228	A	H
	*	5290	91.17	-	-	83.21	31.4	10.01	33.45	300	228	P	H
	*	5290	83.99	-	-	76.03	31.4	10.01	33.45	300	228	A	H
		5369.52	50.75	-23.25	74	42.8	31.28	10.11	33.44	300	228	P	H
		5350.56	45.67	-8.33	54	37.82	31.2	10.09	33.44	300	228	A	H
		5093.5	50.77	-23.23	74	42.62	31.87	9.75	33.47	100	13	P	V
		5136	45.06	-8.94	54	36.89	31.83	9.81	33.47	100	13	A	V
	*	5290	98.74	-	-	90.78	31.4	10.01	33.45	100	13	P	V
	*	5290	91.48	-	-	83.52	31.4	10.01	33.45	100	13	A	V
		5354.4	57.17	-16.83	74	49.3	31.22	10.09	33.44	100	13	P	V
		5350.56	51.57	-2.43	54	43.72	31.2	10.09	33.44	100	13	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	46.04	-22.16	68.2	54.46	40.06	15.17	63.65	100	0	P	H
		15870	43.6	-30.4	74	49.45	37.51	18.69	62.05	100	0	P	H
802.11ac													H
VHT80													H
CH 58		10580	46.01	-22.19	68.2	54.43	40.06	15.17	63.65	100	0	P	V
5290MHz		15870	43.05	-30.95	74	48.9	37.51	18.69	62.05	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 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5451.76	51.92	-22.08	74	43.52	31.61	10.22	33.43	347	231	P	H
		5461.2	53.8	-14.4	68.2	45.35	31.64	10.24	33.43	347	231	P	H
		5458.96	42.8	-11.2	54	34.36	31.64	10.23	33.43	347	231	A	H
	*	5500	99.96	-	-	91.3	31.8	10.29	33.43	347	231	P	H
	*	5500	92.87	-	-	84.21	31.8	10.29	33.43	347	231	A	H
													H
		5459.76	55.02	-18.98	74	46.58	31.64	10.23	33.43	100	20	P	V
		5467.92	57.55	-10.65	68.2	49.06	31.67	10.25	33.43	100	20	P	V
		5459.92	45.64	-8.36	54	37.2	31.64	10.23	33.43	100	20	A	V
	*	5500	108.02	-	-	99.36	31.8	10.29	33.43	100	20	P	V
	*	5500	100.72	-	-	92.06	31.8	10.29	33.43	100	20	A	V
													V
802.11a CH 116 5580MHz		5402.08	49.6	-24.4	74	41.48	31.41	10.15	33.44	315	231	P	H
		5460.16	48.56	-19.64	68.2	40.12	31.64	10.23	33.43	315	231	P	H
		5456.8	41.73	-12.27	54	33.3	31.63	10.23	33.43	315	231	A	H
	*	5580	100.44	-	-	91.72	31.76	10.4	33.44	315	231	P	H
	*	5580	93.27	-	-	84.55	31.76	10.4	33.44	315	231	A	H
		5759.645	51.24	-16.96	68.2	42.17	32.02	10.52	33.47	315	231	P	H
		5448.16	49.91	-24.09	74	41.54	31.59	10.22	33.44	100	55	P	V
		5463.52	49.08	-19.12	68.2	40.62	31.65	10.24	33.43	100	55	P	V
		5452.24	42.09	-11.91	54	33.69	31.61	10.22	33.43	100	55	A	V
	*	5580	108.15	-	-	99.43	31.76	10.4	33.44	100	55	P	V
	*	5580	101.15	-	-	92.43	31.76	10.4	33.44	100	55	A	V
		5728.775	51.78	-16.42	68.2	42.82	31.92	10.5	33.46	100	55	P	V

802.11a CH 140 5700MHz	*	5700	99.39	-	-	90.56	31.8	10.49	33.46	309	286	P	H
	*	5700	92.33	-	-	83.5	31.8	10.49	33.46	309	286	A	H
		5729.24	54.09	-14.11	68.2	45.13	31.92	10.5	33.46	309	286	P	H
													H
													H
													H
	*	5700	108.36	-	-	99.53	31.8	10.49	33.46	111	55	P	V
	*	5700	101.03	-	-	92.2	31.8	10.49	33.46	111	55	A	V
		5726.92	61.85	-6.35	68.2	52.9	31.91	10.5	33.46	111	55	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.61	-25.39	74	56.42	40.2	15.39	63.4	100	0	P	H
		16500	45.97	-22.23	68.2	50.06	39	19.21	62.3	100	0	P	H
													H
													H
		11000	50.34	-23.66	74	58.15	40.2	15.39	63.4	100	0	P	V
		16500	45.68	-22.52	68.2	49.77	39	19.21	62.3	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.11	-25.89	74	56.2	39.82	15.52	63.43	100	0	P	H
		16740	47.56	-20.64	68.2	50.13	40.18	19.41	62.16	100	0	P	H
													H
													H
		11160	54.21	-19.79	74	62.3	39.82	15.52	63.43	100	123	P	V
		11160	44.87	-9.13	54	52.96	39.82	15.52	63.43	100	123	A	V
		16740	48.29	-19.91	68.2	50.86	40.18	19.41	62.16	100	0	P	V
													V
802.11a CH 140 5700MHz		11400	47.81	-26.19	74	55.67	39.9	15.72	63.48	100	0	P	H
		17100	49.01	-19.19	68.2	51	40.1	19.77	61.86	100	0	P	H
													H
													H
		11400	49.14	-24.86	74	57	39.9	15.72	63.48	100	0	P	V
		17100	50.07	-18.13	68.2	52.06	40.1	19.77	61.86	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.68	50.29	-23.71	74	41.86	31.63	10.23	33.43	304	225	P	H
		5469.04	50.77	-17.43	68.2	42.27	31.68	10.25	33.43	304	225	P	H
		5456.88	42.37	-11.63	54	33.94	31.63	10.23	33.43	304	225	A	H
	*	5500	98.58	-	-	89.92	31.8	10.29	33.43	304	225	P	H
802.11n	*	5500	91.31	-	-	82.65	31.8	10.29	33.43	304	225	A	H
HT20													H
CH 100		5455.92	53.91	-20.09	74	45.49	31.62	10.23	33.43	109	65	P	V
5500MHz		5468.56	56.4	-11.8	68.2	47.91	31.67	10.25	33.43	109	65	P	V
		5459.76	45.05	-8.95	54	36.61	31.64	10.23	33.43	109	65	A	V
	*	5500	107.53	-	-	98.87	31.8	10.29	33.43	109	65	P	V
	*	5500	100.32	-	-	91.66	31.8	10.29	33.43	109	65	A	V
													V
		5426.56	50.71	-23.29	74	42.45	31.51	10.19	33.44	308	226	P	H
		5465.68	49.12	-19.08	68.2	40.65	31.66	10.24	33.43	308	226	P	H
		5452.48	41.82	-12.18	54	33.42	31.61	10.22	33.43	308	226	A	H
	*	5580	98.74	-	-	90.02	31.76	10.4	33.44	308	226	P	H
802.11n	*	5580	92.19	-	-	83.47	31.76	10.4	33.44	308	226	A	H
HT20		5752.085	50.55	-17.65	68.2	41.51	32	10.51	33.47	308	226	P	H
CH 116		5443.6	49.36	-24.64	74	41.02	31.57	10.21	33.44	100	63	P	V
5580MHz		5468.8	50.03	-18.17	68.2	41.53	31.68	10.25	33.43	100	63	P	V
		5449.12	42.16	-11.84	54	33.78	31.6	10.22	33.44	100	63	A	V
	*	5580	107.15	-	-	98.43	31.76	10.4	33.44	100	63	P	V
	*	5580	100.11	-	-	91.39	31.76	10.4	33.44	100	63	A	V
		5741.06	51.05	-17.15	68.2	42.04	31.96	10.51	33.46	100	63	P	V

	*	5700	97.64	-	-	88.81	31.8	10.49	33.46	322	250	P	H
	*	5700	90.68	-	-	81.85	31.8	10.49	33.46	322	250	A	H
		5727.08	51.96	-16.24	68.2	43.01	31.91	10.5	33.46	322	250	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	107.43	-	-	98.6	31.8	10.49	33.46	100	14	P	V
5700MHz	*	5700	100.29	-	-	91.46	31.8	10.49	33.46	100	14	A	V
		5725.4	59.54	-8.66	68.2	50.6	31.9	10.5	33.46	100	14	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	46.55	-27.45	74	54.36	40.2	15.39	63.4	100	0	P	H
		16500	47.71	-20.49	68.2	51.8	39	19.21	62.3	100	0	P	H
802.11n													H
HT20													H
CH 100		11000	49.08	-24.92	74	56.89	40.2	15.39	63.4	100	0	P	V
5500MHz		16500	46.36	-21.84	68.2	50.45	39	19.21	62.3	100	0	P	V
													V
													V
		11160	47.8	-26.2	74	55.89	39.82	15.52	63.43	100	0	P	H
		16740	47.69	-20.51	68.2	50.26	40.18	19.41	62.16	100	0	P	H
802.11n													H
HT20													H
CH 116		11160	54.41	-19.59	74	62.5	39.82	15.52	63.43	100	129	P	V
5580MHz		11160	43.69	-10.31	54	51.78	39.82	15.52	63.43	100	129	A	V
		16740	47.53	-20.67	68.2	50.1	40.18	19.41	62.16	100	0	P	V
													V
		11400	47.29	-26.71	74	55.15	39.9	15.72	63.48	100	0	P	H
		17100	47.99	-20.21	68.2	49.98	40.1	19.77	61.86	100	0	P	H
802.11n													H
HT20													H
CH 140		11400	48.9	-25.1	74	56.76	39.9	15.72	63.48	100	0	P	V
5700MHz		17100	56.67	-11.53	68.2	58.66	40.1	19.77	61.86	100	122	P	V
		17100	46.81	-7.19	54	48.8	40.1	19.77	61.86	100	122	A	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5449.12	51.28	-22.72	74	42.9	31.6	10.22	33.44	272	228	P	H
		5466.64	55.72	-12.48	68.2	47.24	31.67	10.24	33.43	272	228	P	H
		5458.72	44.06	-9.94	54	35.63	31.63	10.23	33.43	272	228	A	H
	*	5510	96.61	-	-	87.96	31.78	10.3	33.43	272	228	P	H
802.11n	*	5510	89.57	-	-	80.92	31.78	10.3	33.43	272	228	A	H
HT40		5741.06	52.9	-15.3	68.2	43.89	31.96	10.51	33.46	272	228	P	H
CH 102		5452	54.24	-19.76	74	45.84	31.61	10.22	33.43	100	89	P	V
5510MHz		5465.44	60.9	-7.3	68.2	52.43	31.66	10.24	33.43	100	89	P	V
		5459.68	48.54	-5.46	54	40.1	31.64	10.23	33.43	100	89	A	V
	*	5510	104.52	-	-	95.87	31.78	10.3	33.43	100	89	P	V
	*	5510	97.46	-	-	88.81	31.78	10.3	33.43	100	89	A	V
		5763.11	50.69	-17.51	68.2	41.61	32.03	10.52	33.47	100	89	P	V
		5413.36	50.33	-23.67	74	42.15	31.45	10.17	33.44	295	229	P	H
		5460.88	48.79	-19.41	68.2	40.34	31.64	10.24	33.43	295	229	P	H
		5456.56	42.73	-11.27	54	34.3	31.63	10.23	33.43	295	229	A	H
	*	5550	96.18	-	-	87.56	31.7	10.36	33.44	295	229	P	H
802.11n	*	5550	89.18	-	-	80.56	31.7	10.36	33.44	295	229	A	H
HT40		5725.94	53.31	-14.89	68.2	44.37	31.9	10.5	33.46	295	229	P	H
CH 110		5431.84	50.43	-23.57	74	42.15	31.53	10.19	33.44	111	91	P	V
5550MHz		5462.56	53.51	-14.69	68.2	45.05	31.65	10.24	33.43	111	91	P	V
		5459.44	44.3	-9.7	54	35.86	31.64	10.23	33.43	111	91	A	V
	*	5550	105.13	-	-	96.51	31.7	10.36	33.44	111	91	P	V
	*	5550	97.81	-	-	89.19	31.7	10.36	33.44	111	91	A	V
		5764.37	51.65	-16.55	68.2	42.57	32.03	10.52	33.47	111	91	P	V

		5459.55	51.61	-22.39	74	43.17	31.64	10.23	33.43	329	232	P	H
		5469.35	49.82	-18.38	68.2	41.32	31.68	10.25	33.43	329	232	P	H
		5445.2	42.58	-11.42	54	34.23	31.58	10.21	33.44	329	232	A	H
	*	5670	96.21	-	-	87.51	31.68	10.47	33.45	329	232	P	H
802.11n	*	5670	88.63	-	-	79.93	31.68	10.47	33.45	329	232	A	H
HT40		5757.125	51.72	-16.48	68.2	42.66	32.01	10.52	33.47	329	232	P	H
CH 134		5422.1	50.65	-23.35	74	42.42	31.49	10.18	33.44	104	13	P	V
5670MHz		5470.05	50.05	-99.95	150	41.55	31.68	10.25	33.43	104	13	P	V
		5450.1	42.78	-11.22	54	34.39	31.6	10.22	33.43	104	13	A	V
	*	5670	105.28	-	-	96.58	31.68	10.47	33.45	104	13	P	V
	*	5670	98.13	-	-	89.43	31.68	10.47	33.45	104	13	A	V
		5730	54.81	-13.39	68.2	45.85	31.92	10.5	33.46	104	13	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	46.39	-27.61	74	54.23	40.16	15.4	63.4	100	0	P	H
		16530	46.35	-21.85	68.2	50.22	39.18	19.23	62.28	100	0	P	H
802.11n													H
HT40													H
CH 102		11020	47.54	-26.46	74	55.38	40.16	15.4	63.4	100	0	P	V
5510MHz		16530	46.68	-21.52	68.2	50.55	39.18	19.23	62.28	100	0	P	V
													V
													V
		11100	48.14	-25.86	74	56.09	40	15.47	63.42	100	0	P	H
		16650	47.57	-20.63	68.2	50.59	39.85	19.34	62.21	100	0	P	H
802.11n													H
HT40													H
CH 110		11100	48.82	-25.18	74	56.77	40	15.47	63.42	100	0	P	V
5550MHz		16650	47.46	-20.74	68.2	50.48	39.85	19.34	62.21	100	0	P	V
													V
													V
		11340	47.04	-26.96	74	55.06	39.78	15.67	63.47	100	0	P	H
		17010	48.24	-19.96	68.2	50.03	40.55	19.65	61.99	100	0	P	H
802.11n													H
HT40													H
CH 134		11340	48.4	-25.6	74	56.42	39.78	15.67	63.47	100	0	P	V
5670MHz		17010	47.82	-20.38	68.2	49.61	40.55	19.65	61.99	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)	Cable 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	53.84	-20.16	74	45.41	31.63	10.23	33.43	336	232	P	H
		5462.8	54.38	-13.82	68.2	45.92	31.65	10.24	33.43	336	232	P	H
		5457.28	45.93	-8.07	54	37.5	31.63	10.23	33.43	336	232	A	H
	*	5530	91.85	-	-	83.21	31.74	10.33	33.43	336	232	P	H
	*	5530	84.71	-	-	76.07	31.74	10.33	33.43	336	232	A	H
		5743.58	51.52	-16.68	68.2	42.5	31.97	10.51	33.46	336	232	P	H
		5453.68	57.39	-16.61	74	48.98	31.61	10.23	33.43	105	13	P	V
		5468.56	59.9	-8.3	68.2	51.41	31.67	10.25	33.43	105	13	P	V
		5454.16	51.81	-2.19	54	43.39	31.62	10.23	33.43	105	13	A	V
	*	5530	100.51	-	-	91.87	31.74	10.33	33.43	105	13	P	V
	*	5530	94.34	-	-	85.7	31.74	10.33	33.43	105	13	A	V
		5731.925	51.85	-16.35	68.2	42.88	31.93	10.5	33.46	105	13	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	46.44	-27.56	74	54.34	40.08	15.43	63.41	100	0	P	H
		16590	46.92	-21.28	68.2	50.35	39.54	19.28	62.25	100	0	P	H
802.11ac													H
VHT80													H
CH 106		11060	47.17	-26.83	74	55.07	40.08	15.43	63.41	100	0	P	V
5530MHz		16590	46.78	-21.42	68.2	50.21	39.54	19.28	62.25	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 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5424.49	50.04	-23.96	74	41.8	31.5	10.18	33.44	305	287	P	H
		5468.95	50.47	-17.73	68.2	41.97	31.68	10.25	33.43	305	287	P	H
		5447.5	41.67	-12.33	54	33.3	31.59	10.22	33.44	305	287	A	H
	*	5720	99.5	-	-	90.58	31.88	10.5	33.46	305	287	P	H
	*	5720	92.36	-	-	83.44	31.88	10.5	33.46	305	287	A	H
		5918	51.11	-17.09	68.2	41.58	32.37	10.65	33.49	305	287	P	H
		5453.35	50.22	-23.78	74	41.82	31.61	10.22	33.43	105	17	P	V
		5459.98	49.44	-24.56	74	41	31.64	10.23	33.43	105	17	P	V
		5454.52	41.79	-12.21	54	33.37	31.62	10.23	33.43	105	17	A	V
	*	5720	107.86	-	-	98.94	31.88	10.5	33.46	105	17	P	V
	*	5720	100.52	-	-	91.6	31.88	10.5	33.46	105	17	A	V
		5944	52.11	-16.09	68.2	42.45	32.48	10.67	33.49	105	17	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	46.02	-27.98	74	53.82	39.94	15.75	63.49	100	0	P	H
		17160	48.95	-19.25	68.2	50.42	40.46	19.85	61.78	100	0	P	H
													H
													H
		11440	45.52	-28.48	74	53.32	39.94	15.75	63.49	100	0	P	V
		17160	50.36	-17.84	68.2	51.83	40.46	19.85	61.78	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 HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5357.41	50.21	-23.79	74	42.32	31.23	10.1	33.44	322	280	P	H
		5470	49.21	-18.99	68.2	40.71	31.68	10.25	33.43	322	280	P	H
		5447.89	41.56	-12.44	54	33.19	31.59	10.22	33.44	322	280	A	H
	*	5720	98.62	-	-	89.7	31.88	10.5	33.46	322	280	P	H
	*	5720	91.58	-	-	82.66	31.88	10.5	33.46	322	280	A	H
		5926.75	50.77	-17.43	68.2	41.2	32.41	10.65	33.49	322	280	P	H
		5420.2	50.81	-23.19	74	42.59	31.48	10.18	33.44	100	63	P	V
		5467.39	49.12	-19.08	68.2	40.64	31.67	10.24	33.43	100	63	P	V
		5443.6	41.92	-12.08	54	33.58	31.57	10.21	33.44	100	63	A	V
	*	5720	107.93	-	-	99.01	31.88	10.5	33.46	100	63	P	V
	*	5720	100.52	-	-	91.6	31.88	10.5	33.46	100	63	A	V
		5925.25	52.79	-15.41	68.2	43.23	32.4	10.65	33.49	100	63	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	46.34	-27.66	74	54.14	39.94	15.75	63.49	100	0	P	H
		17160	49.17	-19.03	68.2	50.64	40.46	19.85	61.78	100	0	P	H
802.11n													H
HT20													H
CH 144		11440	46.49	-27.51	74	54.29	39.94	15.75	63.49	100	0	P	V
5720MHz		17160	49.37	-18.83	68.2	50.84	40.46	19.85	61.78	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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5413.96	51.18	-22.82	74	42.99	31.46	10.17	33.44	400	126	P	H
		5463.88	49.72	-18.48	68.2	41.25	31.66	10.24	33.43	400	126	P	H
		5445.16	42.72	-11.28	54	34.37	31.58	10.21	33.44	400	126	A	H
	*	5710	98.26	-	-	89.39	31.84	10.49	33.46	400	126	P	H
	*	5710	90.59	-	-	81.72	31.84	10.49	33.46	400	126	A	H
		5949.5	51.86	-16.34	68.2	42.18	32.5	10.67	33.49	400	126	P	H
		5448.67	50.92	-23.08	74	42.55	31.59	10.22	33.44	108	14	P	V
		5466.61	49.08	-19.12	68.2	40.6	31.67	10.24	33.43	108	14	P	V
		5447.11	42.79	-11.21	54	34.42	31.59	10.22	33.44	108	14	A	V
	*	5710	105.51	-	-	96.64	31.84	10.49	33.46	108	14	P	V
	*	5710	98.14	-	-	89.27	31.84	10.49	33.46	108	14	A	V
		5909.75	52.28	-15.92	68.2	42.79	32.34	10.64	33.49	108	14	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11420	46.53	-27.47	74	54.35	39.92	15.74	63.48	100	0	P	H
		17130	48.99	-19.21	68.2	50.72	40.28	19.81	61.82	100	0	P	H
802.11n													H
HT40													H
CH 142		11420	47.66	-26.34	74	55.48	39.92	15.74	63.48	100	0	P	V
5710MHz		17130	49.26	-18.94	68.2	50.99	40.28	19.81	61.82	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 802.11ac 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)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5459.59	51.15	-22.85	74	42.71	31.64	10.23	33.43	385	127	P	H
		5461.54	49.74	-18.46	68.2	41.28	31.65	10.24	33.43	385	127	P	H
		5438.92	44.02	-9.98	54	35.7	31.56	10.2	33.44	385	127	A	H
	*	5690	95.47	-	-	86.69	31.76	10.48	33.46	385	127	P	H
	*	5690	88.09	-	-	79.31	31.76	10.48	33.46	385	127	A	H
		5902.25	52.47	-15.73	68.2	43.02	32.31	10.63	33.49	385	127	P	H
		5429.17	52.13	-21.87	74	43.86	31.52	10.19	33.44	115	14	P	V
		5464.27	52.39	-15.81	68.2	43.92	31.66	10.24	33.43	115	14	P	V
		5443.21	45.15	-8.85	54	36.81	31.57	10.21	33.44	115	14	A	V
	*	5690	102.52	-	-	93.74	31.76	10.48	33.46	115	14	P	V
	*	5690	95.85	-	-	87.07	31.76	10.48	33.46	115	14	A	V
		5860.25	53.03	-15.17	68.2	43.7	32.22	10.59	33.48	115	14	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11380	47.35	-26.65	74	55.27	39.86	15.7	63.48	100	0	P	H
		17070	47.78	-20.42	68.2	49.69	40.25	19.74	61.9	100	0	P	H
802.11ac													H
VHT80													H
CH 138		11380	47.78	-26.22	74	55.7	39.86	15.7	63.48	100	0	P	V
5690MHz		17070	47.93	-20.27	68.2	49.84	40.25	19.74	61.9	100	0	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Emission below 1GHz

WIFI 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		30	24.53	-15.47	40	29.56	24.31	0.84	30.18	-	-	P	H
		214.3	32.99	-10.51	43.5	46.38	14.87	2.03	30.29	-	-	P	H
		228.85	36.54	-9.46	46	48.88	15.88	2.05	30.27	100	0	P	H
		513.06	31.61	-14.39	46	34.03	24.01	3.33	29.76	-	-	P	H
		787.57	33.94	-12.06	46	31.02	28.09	4.15	29.32	-	-	P	H
		964.11	36.39	-17.61	54	29.74	30.89	4.71	28.95	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	27.57	-12.43	40	32.6	24.31	0.84	30.18	-	-	P	V
		116.33	28.1	-15.4	43.5	39.84	17.15	1.52	30.41	-	-	P	V
		222.06	35.47	-10.53	46	48.37	15.34	2.04	30.28	100	0	P	V
		294.81	29.34	-16.66	46	38.06	19.03	2.4	30.15	-	-	P	V
		491.72	30.17	-15.83	46	32.99	23.73	3.25	29.8	-	-	P	V
		741.98	33.77	-12.23	46	31.16	28	4.03	29.42	-	-	P	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBμV/m) =

Antenna Factor(dB/m) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

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) + Cable Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

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

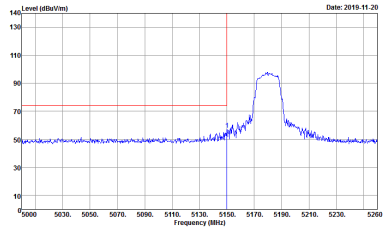
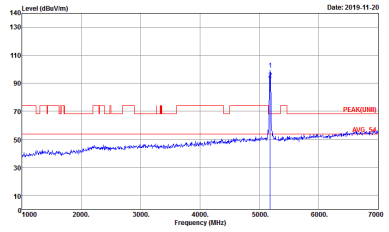
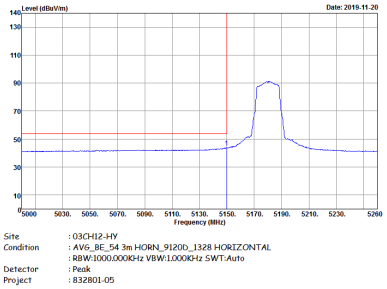
Test Engineer :	Jack Cheng , Lance Chiang , Chuan Chu	**Temperature :**	19.2~26.8°C
		Relative Humidity :	53.5~69%

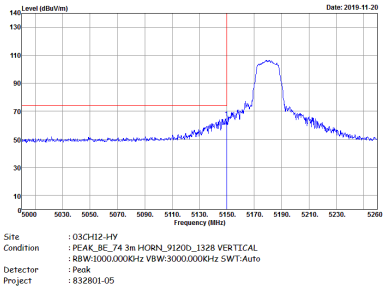
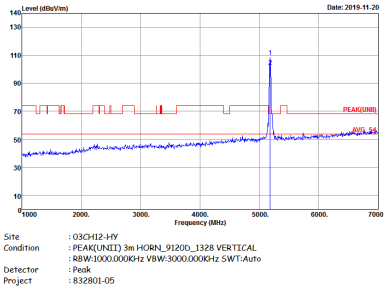
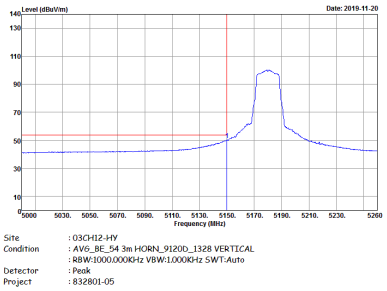
Note symbol

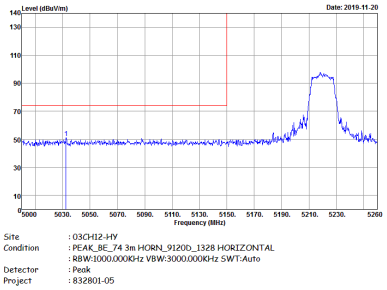
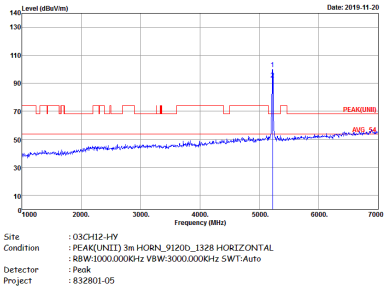
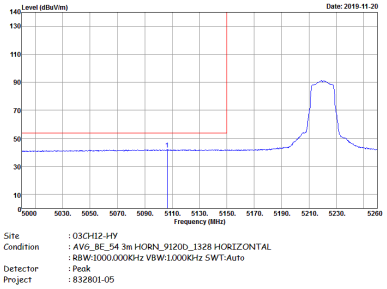
-L	**Low channel location**
-R	**High channel location**

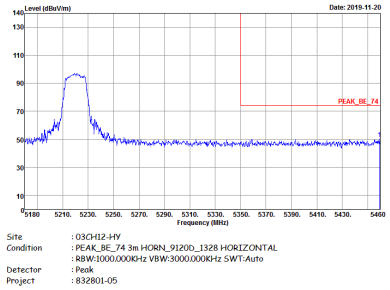
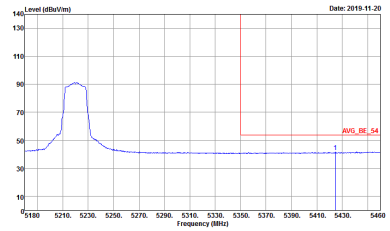
Band 1 - 5150~5250MHz

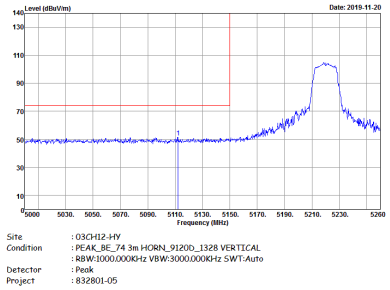
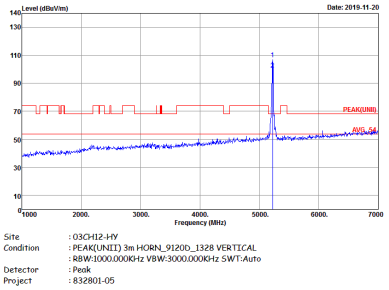
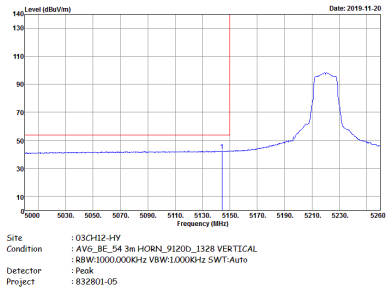
WIFI 802.11a (Band Edge @ 3m)

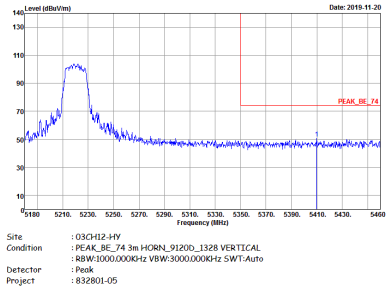
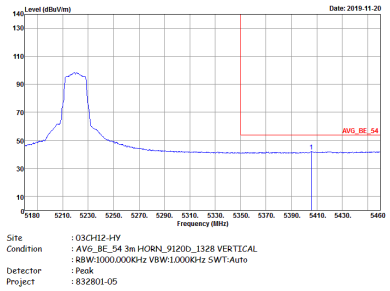
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

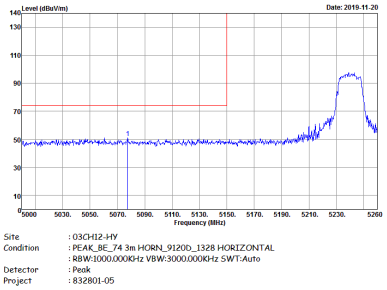
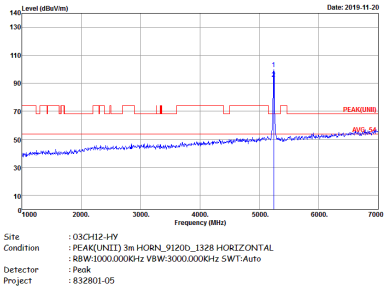
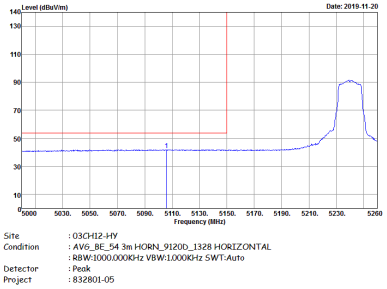
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

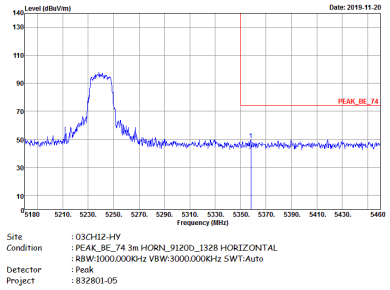
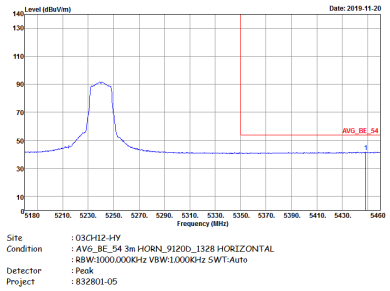
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

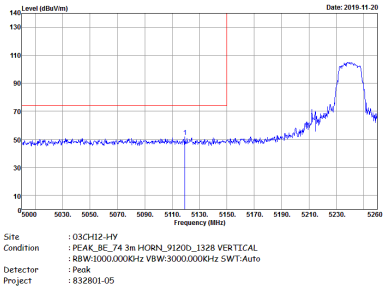
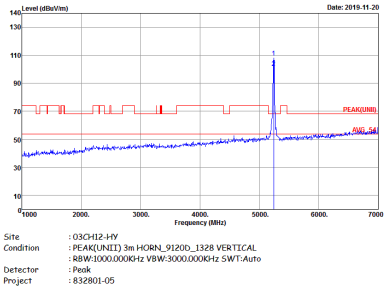
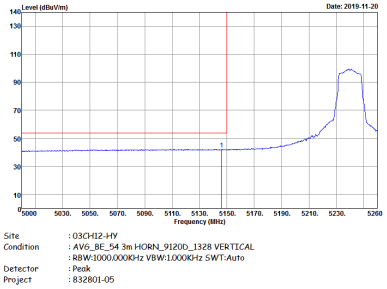
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 832801-05	Left blank

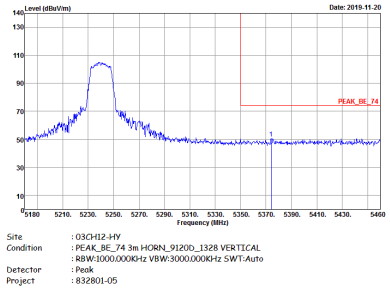
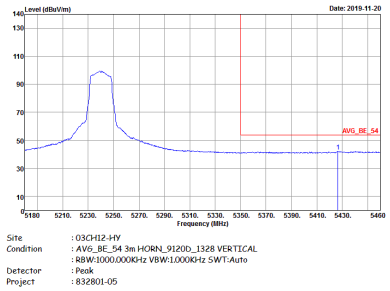
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

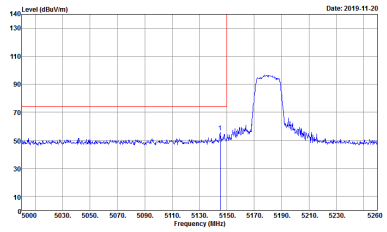
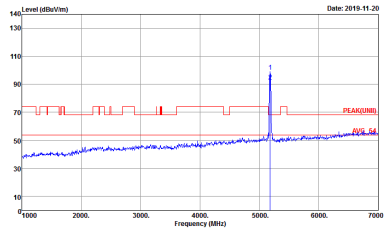
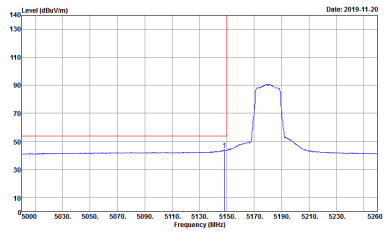
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

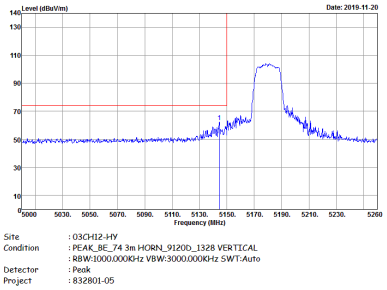
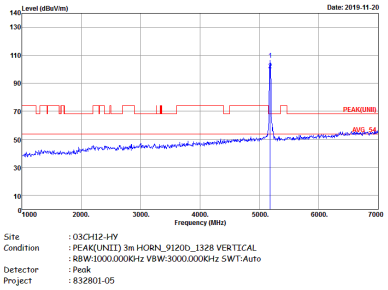
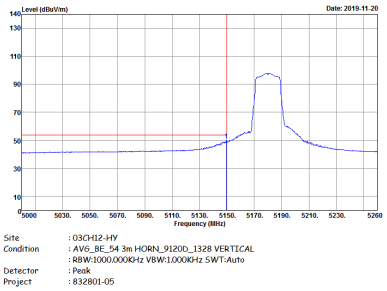
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

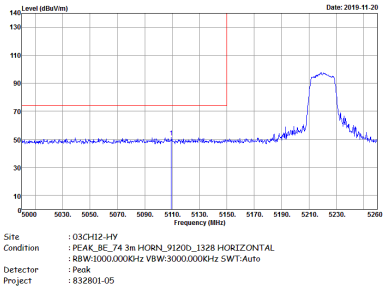
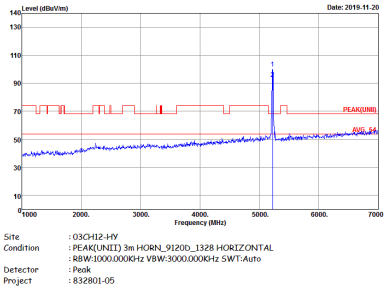
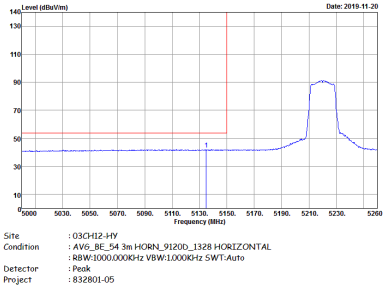
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

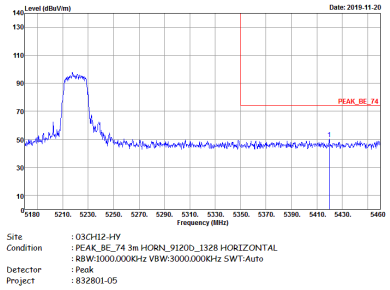
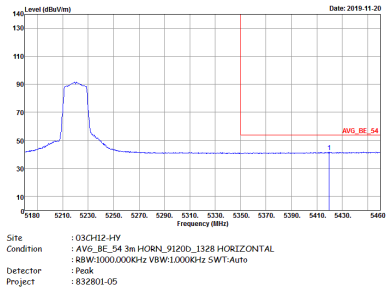
Band 1 5150~5250MHz

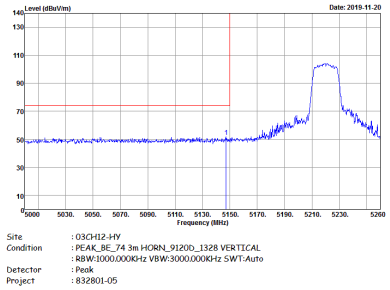
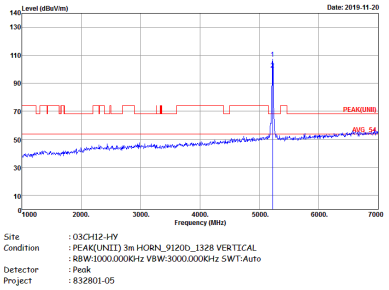
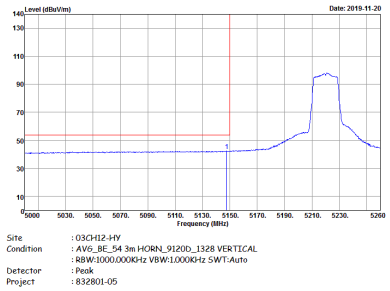
WIFI 802.11n HT20 (Band Edge @ 3m)

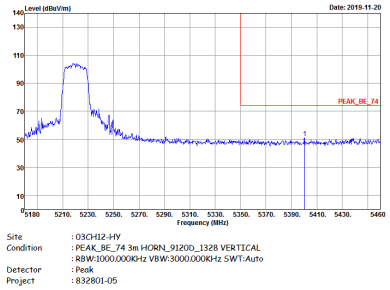
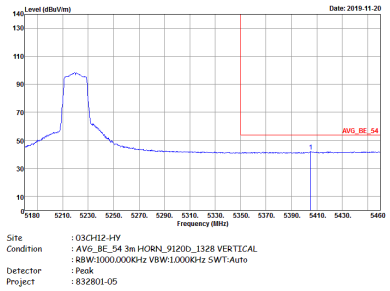
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

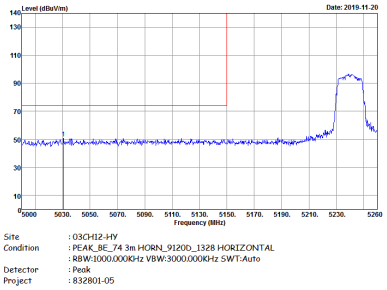
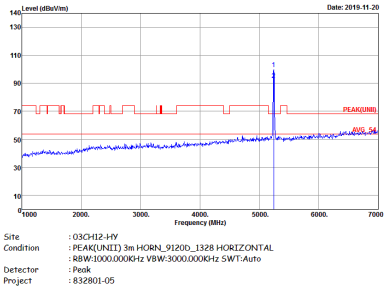
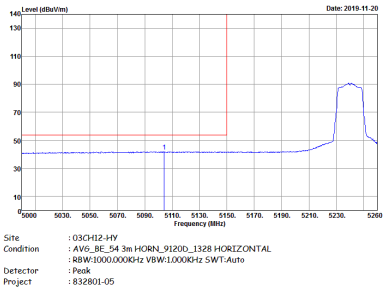
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

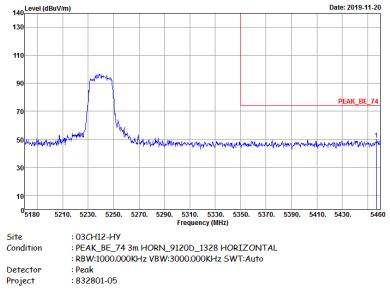
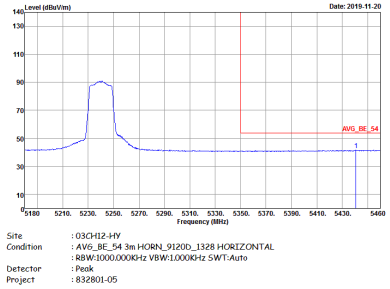
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

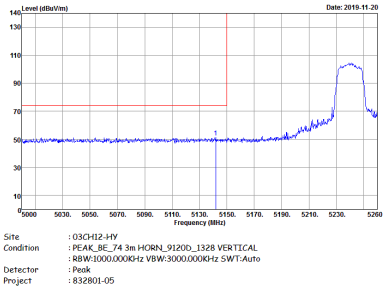
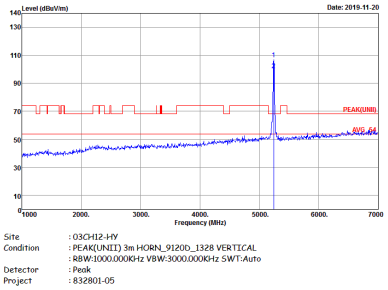
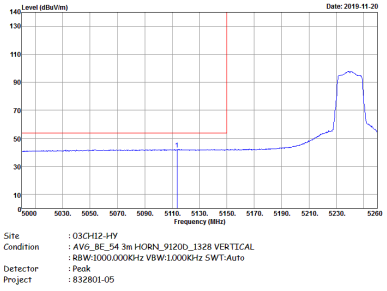
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

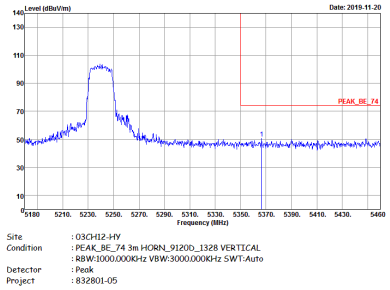
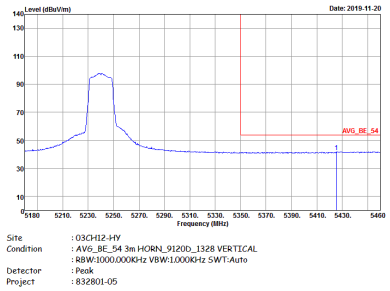
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

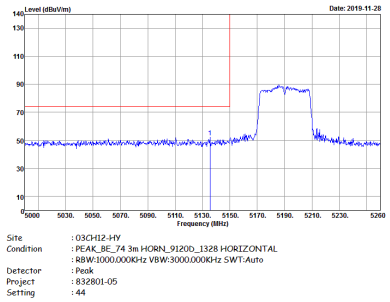
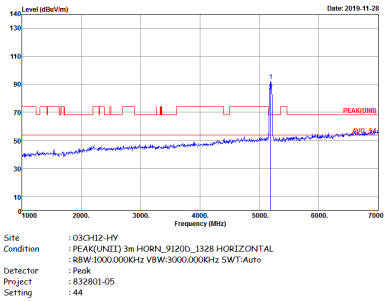
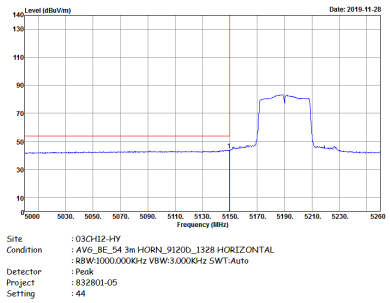
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

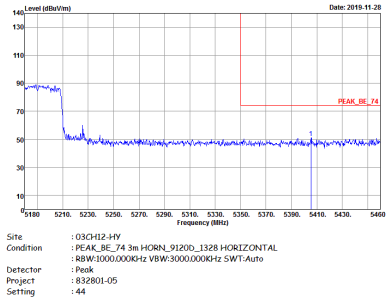
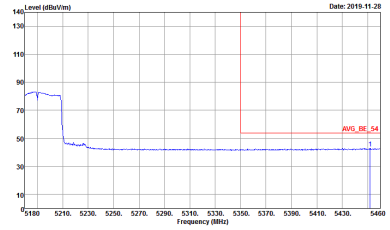
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

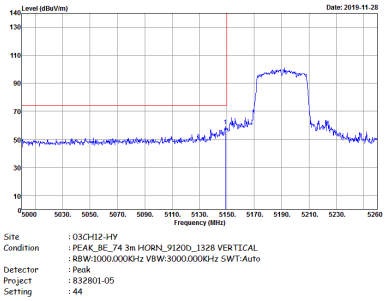
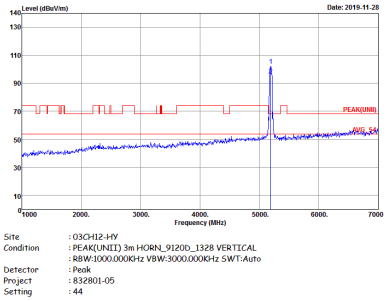
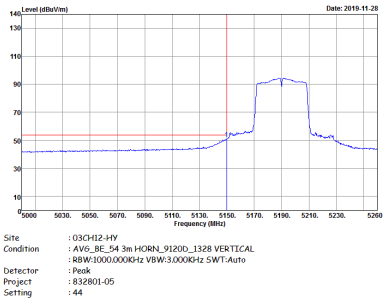
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

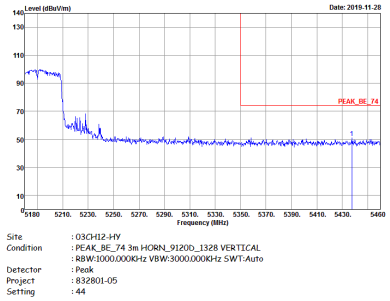
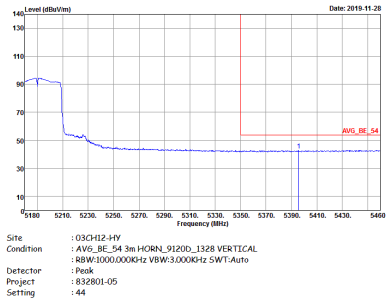
Band 1 5150~5250MHz

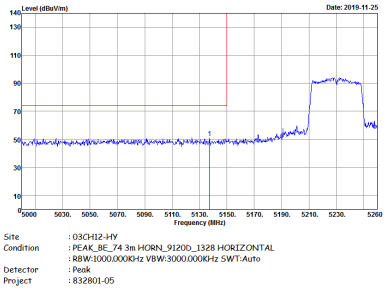
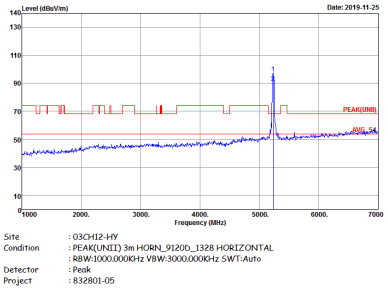
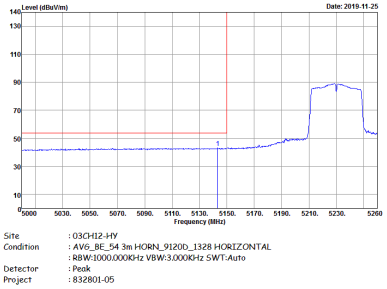
WIFI 802.11n HT40 (Band Edge @ 3m)

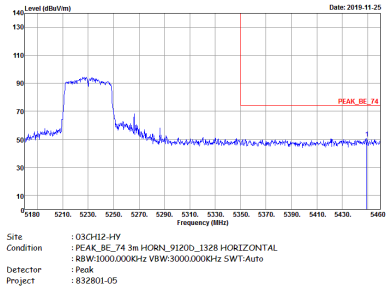
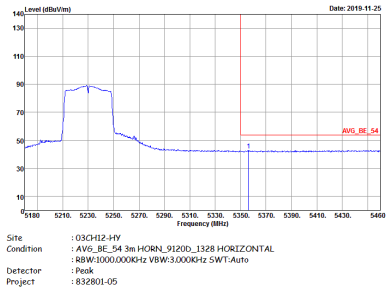
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

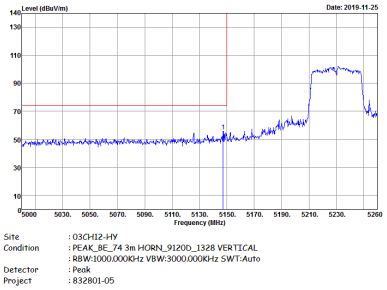
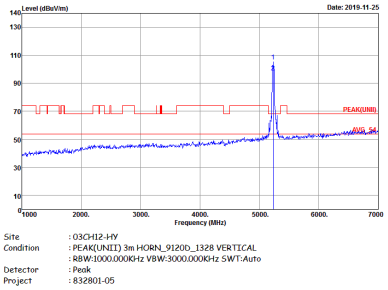
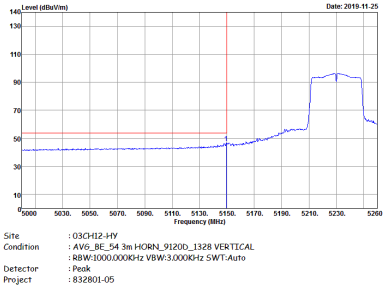
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 44	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 44	Left blank

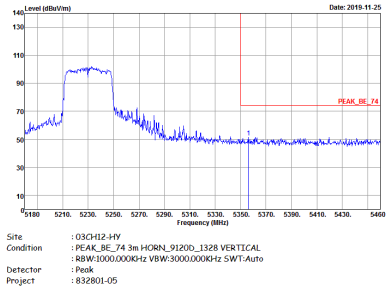
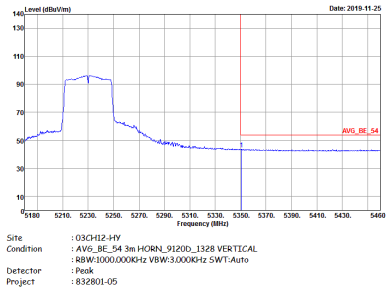
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

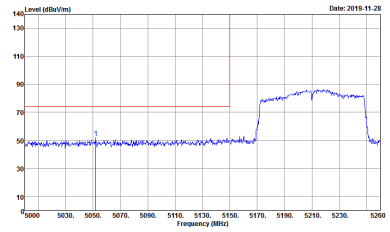
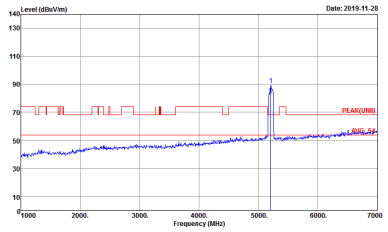
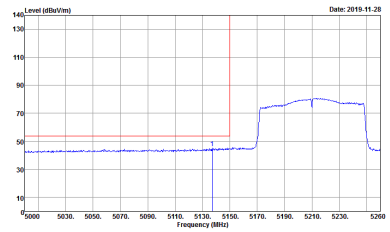
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

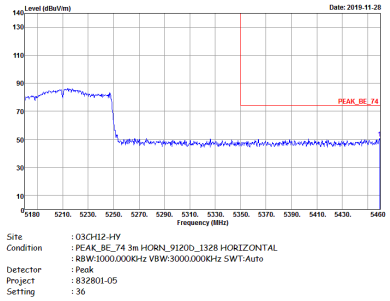
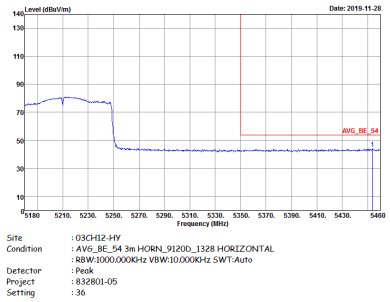
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

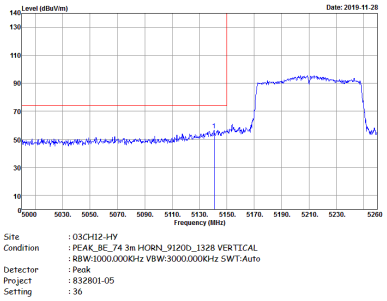
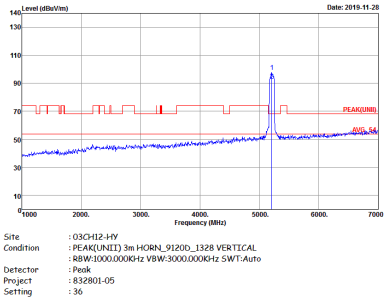
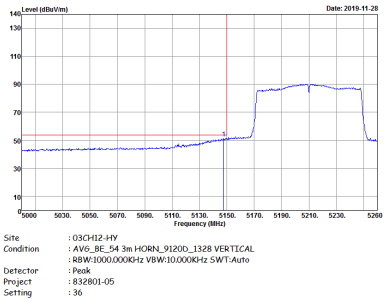
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

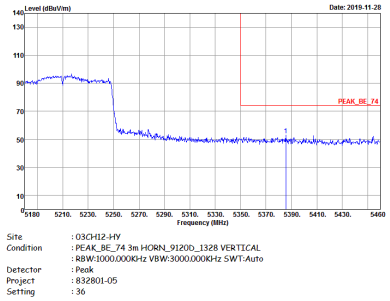
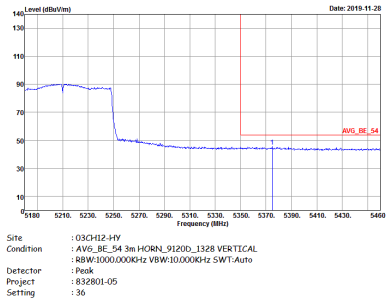
Band 1 5150~5250MHz

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 : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 36	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 36
Avg.	 Site : 03CH12-HY Condition : AV6_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 36	Left blank

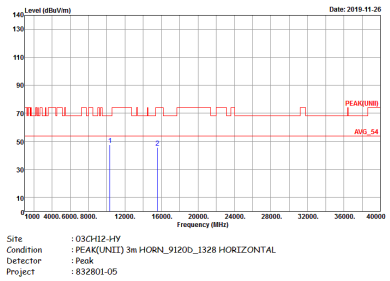
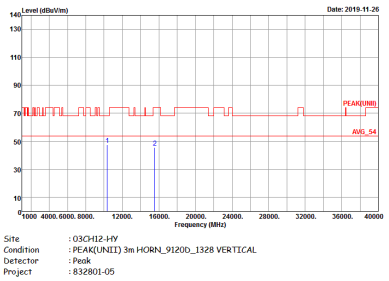
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

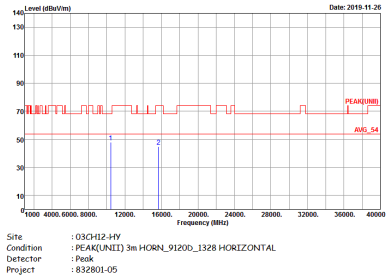
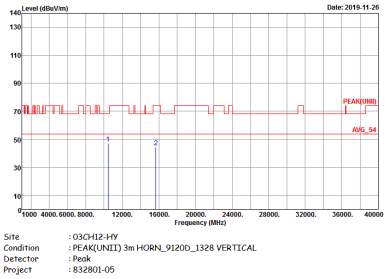
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

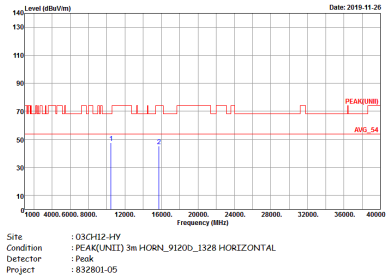
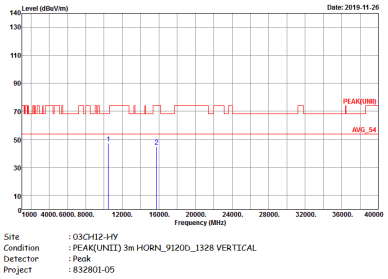
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

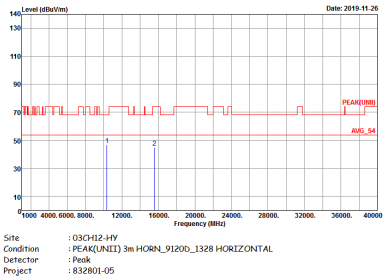
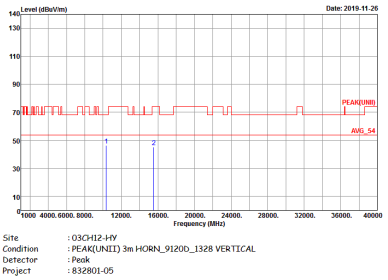
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

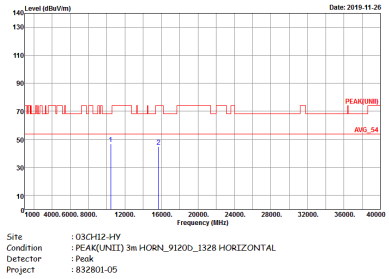
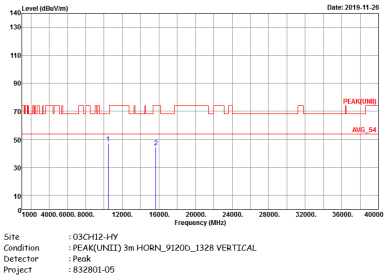
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

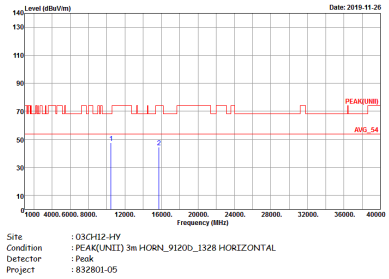
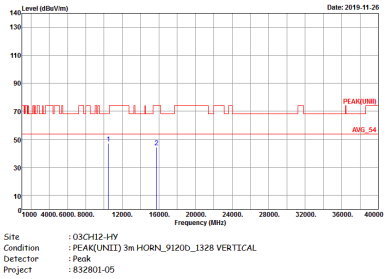
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

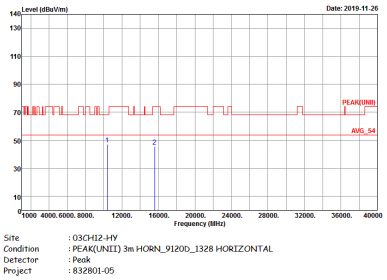
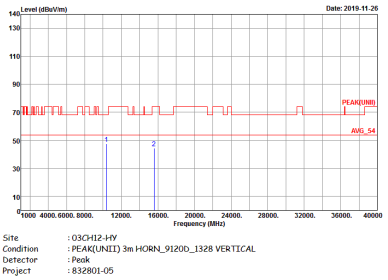
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

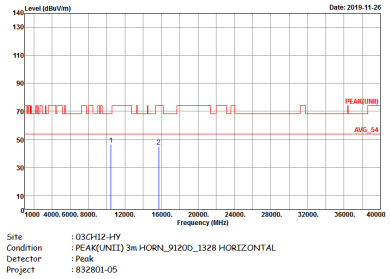
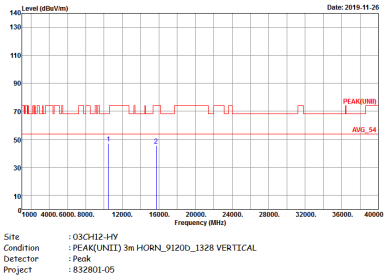
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 832801-05	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 832801-05

Band 1 5150~5250MHz

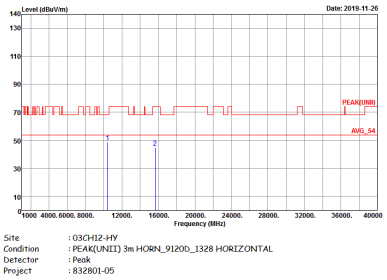
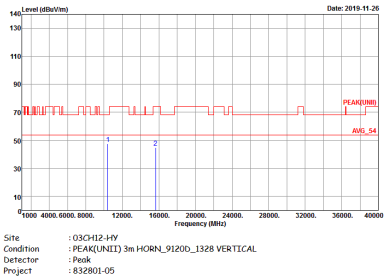
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

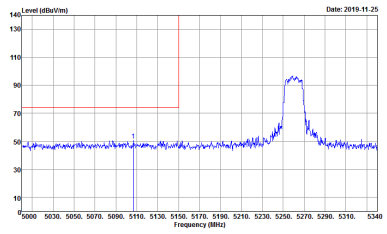
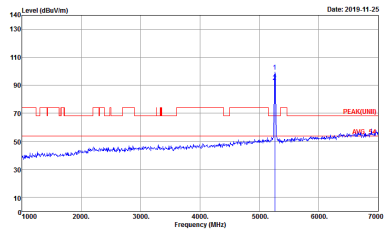
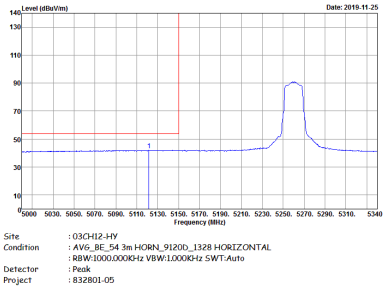
Band 1 5150~5250MHz

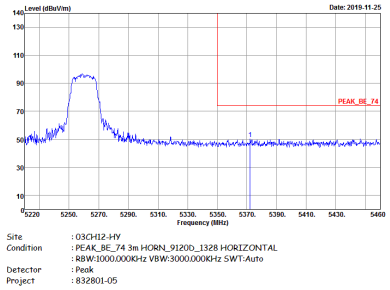
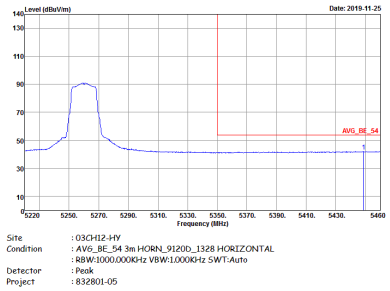
WIFI 802.11ac VHT80 (Harmonic @ 3m)

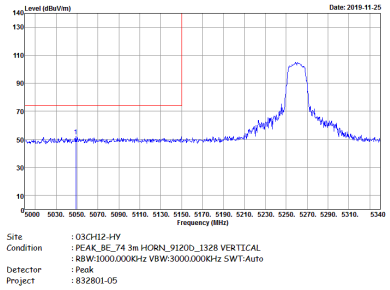
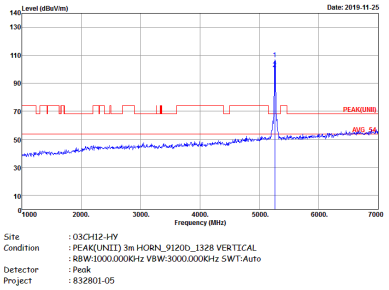
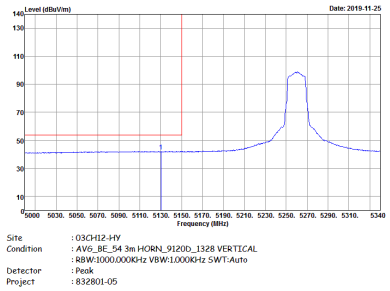
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

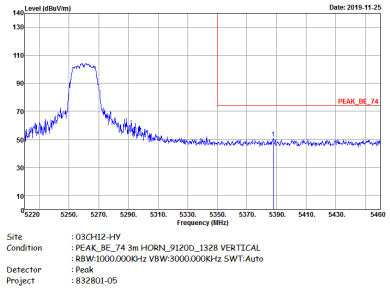
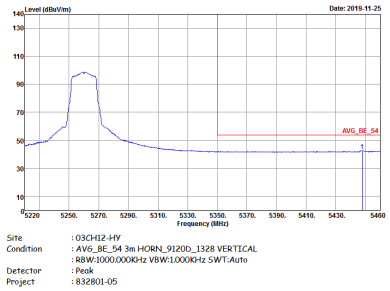
Band 2 - 5250~5350MHz

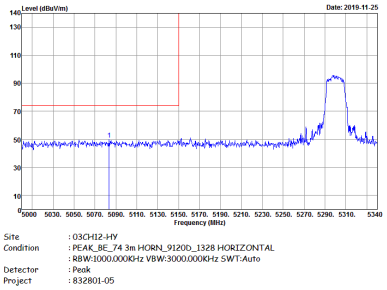
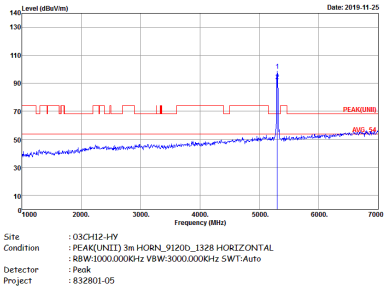
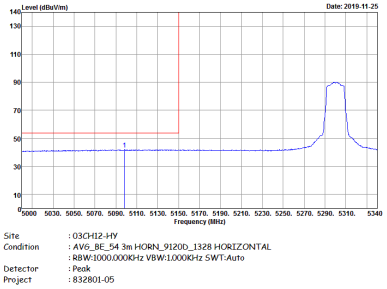
WIFI 802.11a (Band Edge @ 3m)

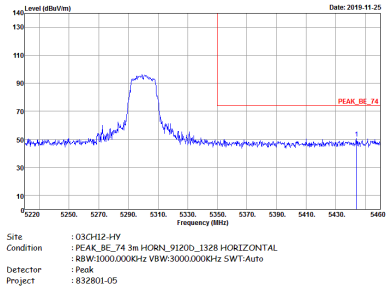
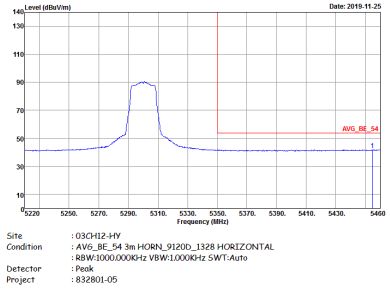
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

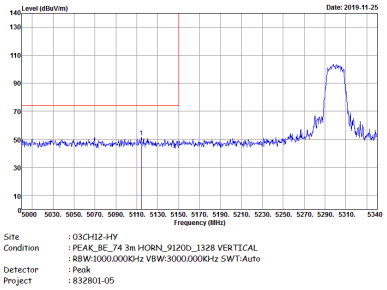
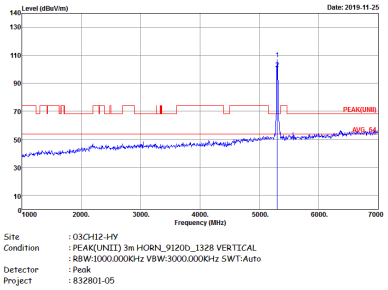
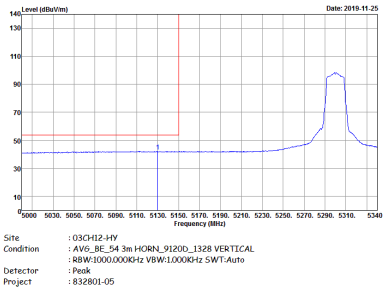
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

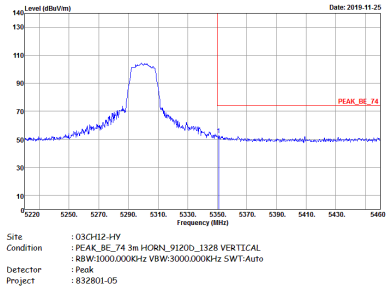
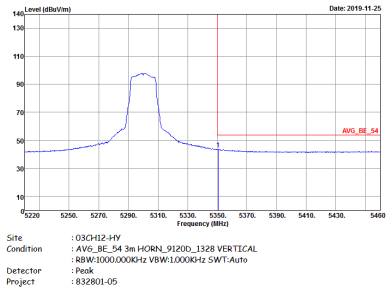
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

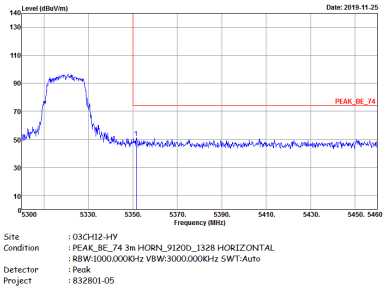
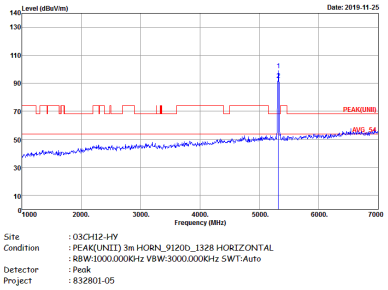
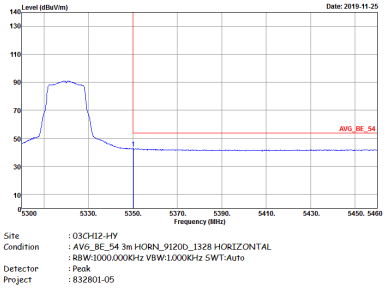
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

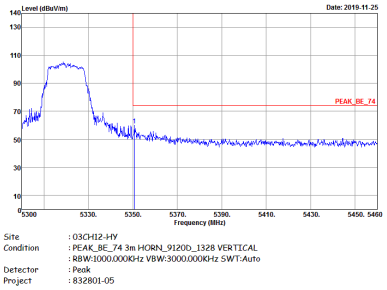
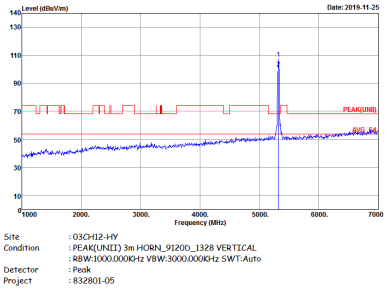
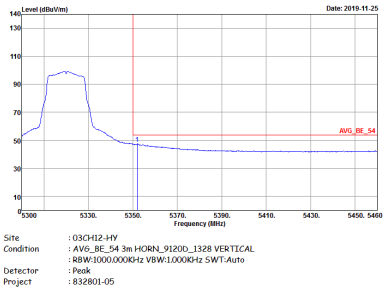
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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		
Avg.		Left blank

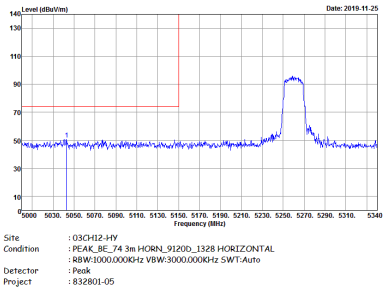
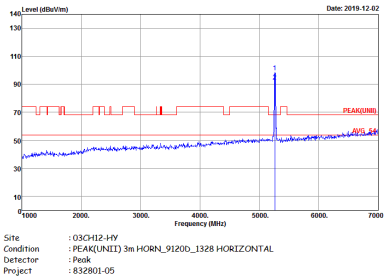
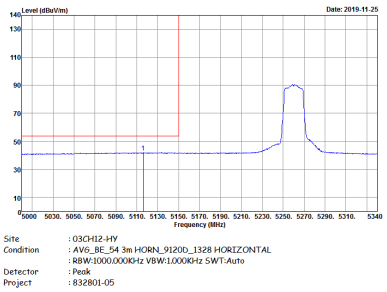
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

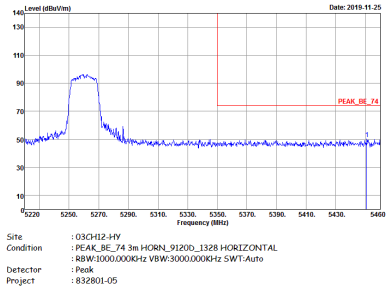
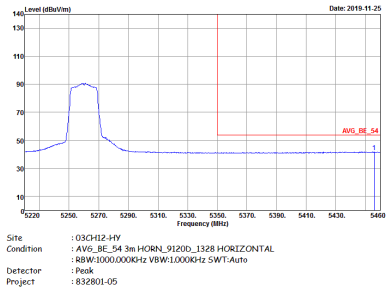
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

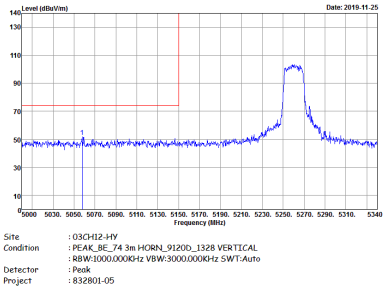
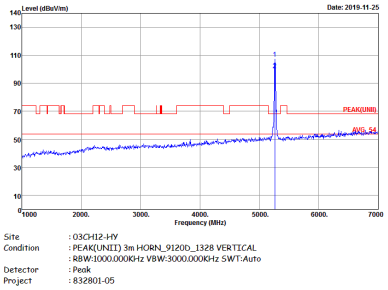
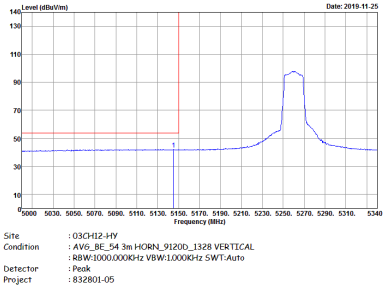
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

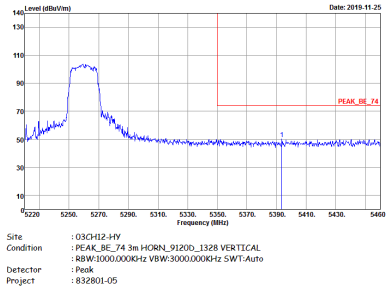
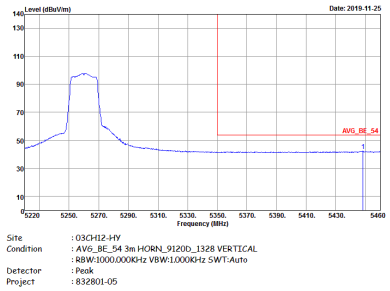
Band 2 5250~5350MHz

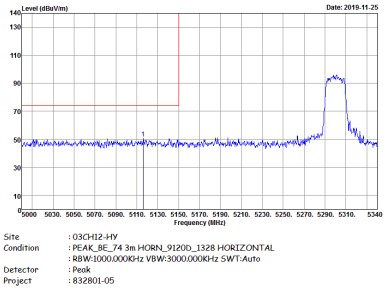
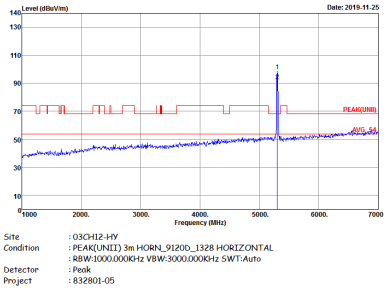
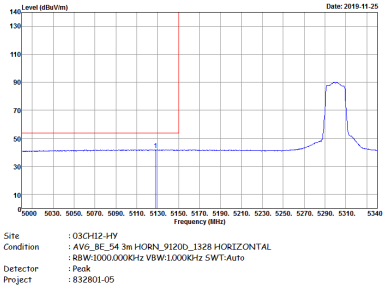
WIFI 802.11n HT20 (Band Edge @ 3m)

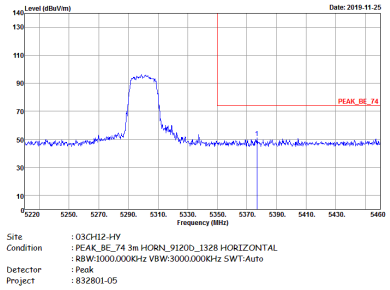
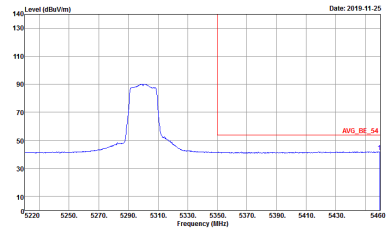
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

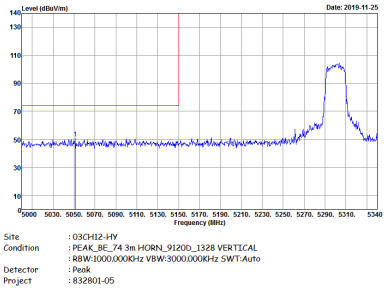
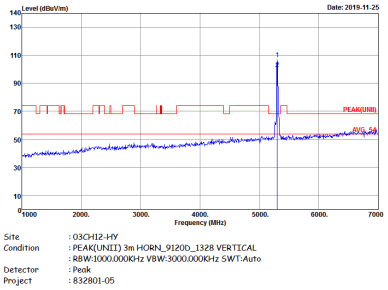
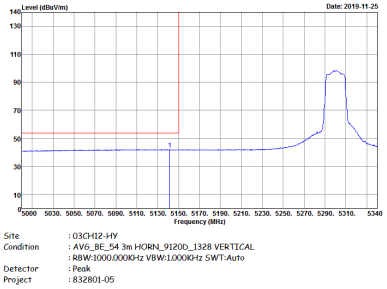
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

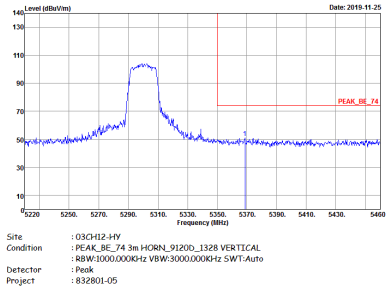
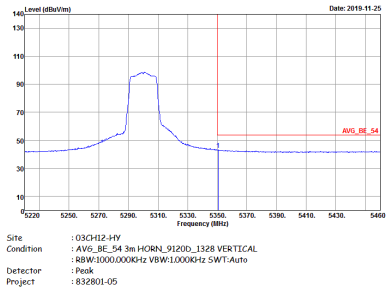
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

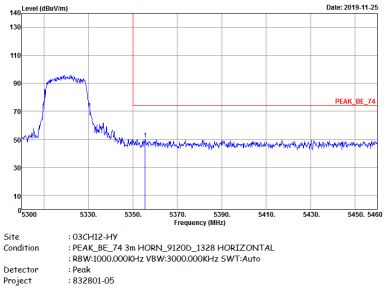
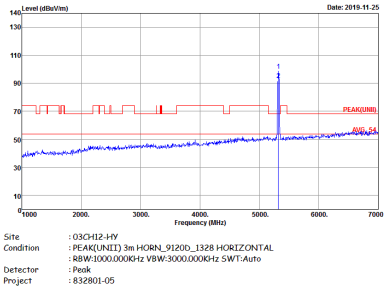
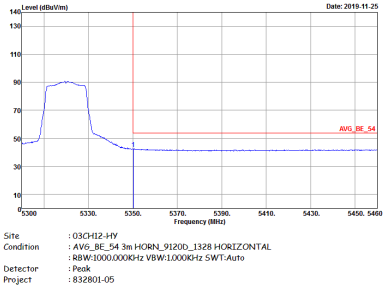
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

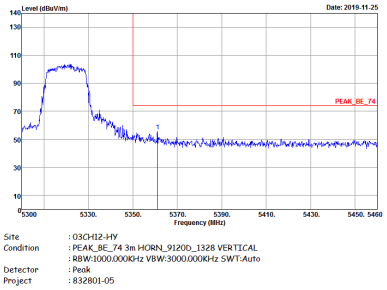
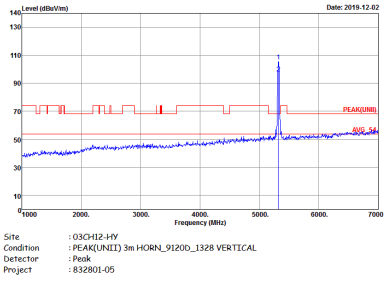
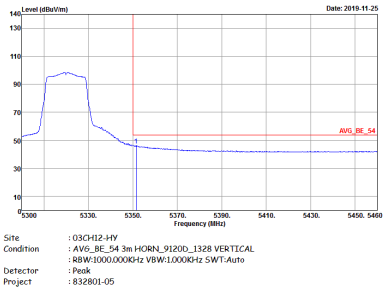
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 832801-05	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

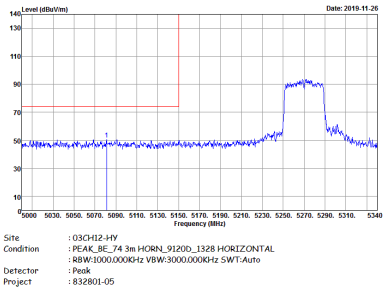
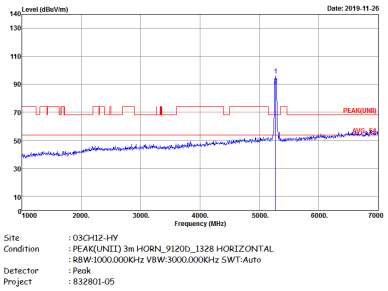
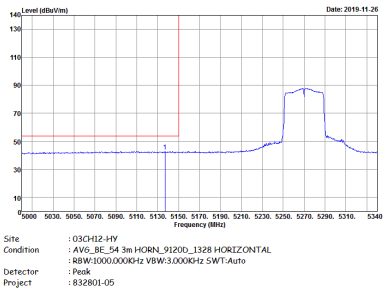
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

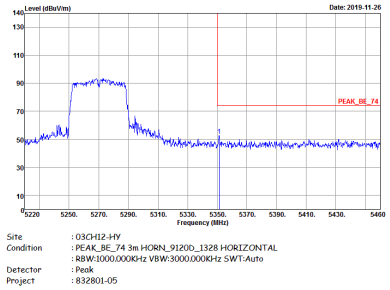
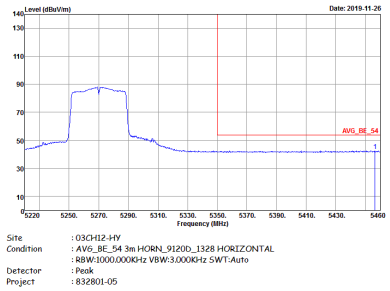
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

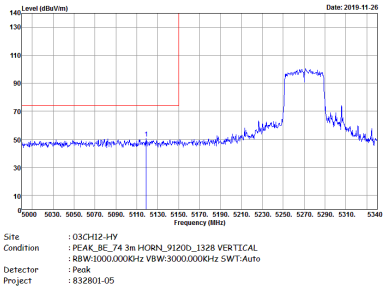
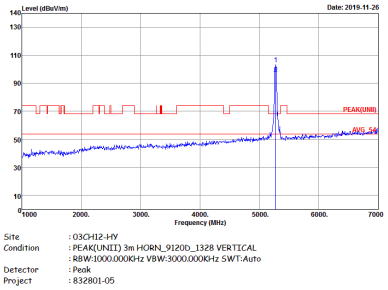
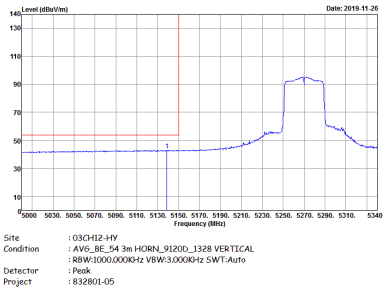
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

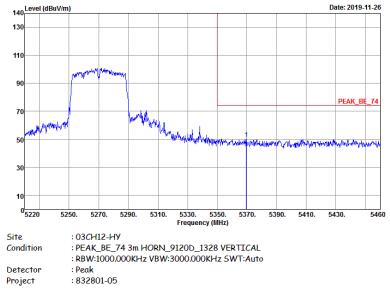
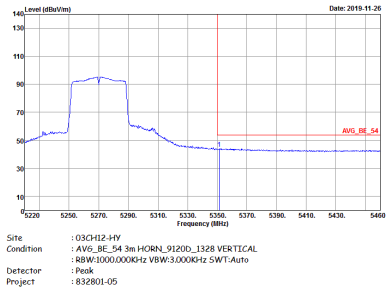
Band 2 5250~5350MHz

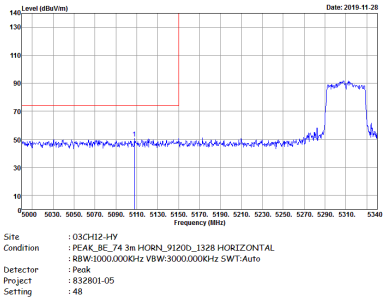
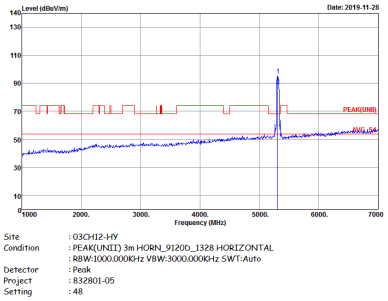
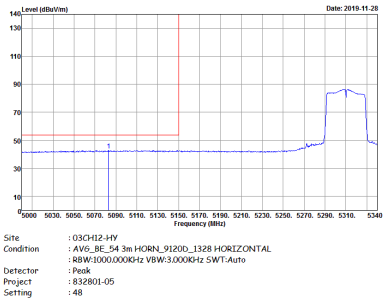
WIFI 802.11n HT40 (Band Edge @ 3m)

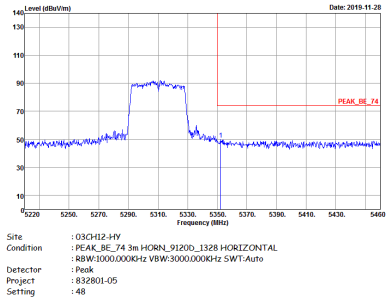
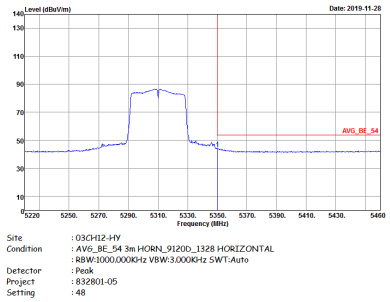
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

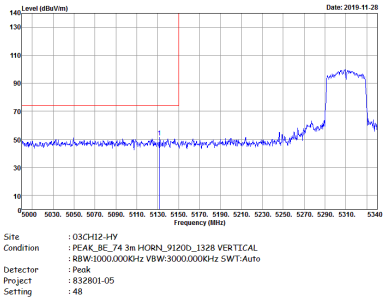
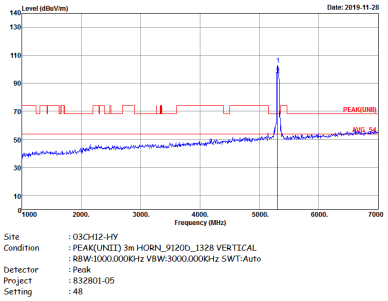
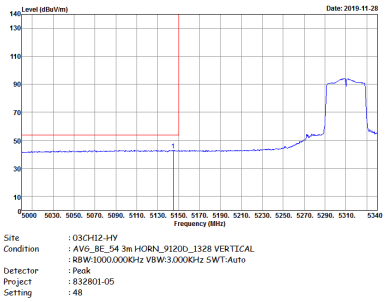
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

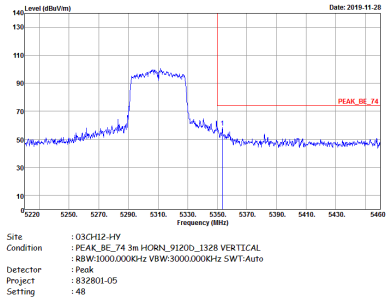
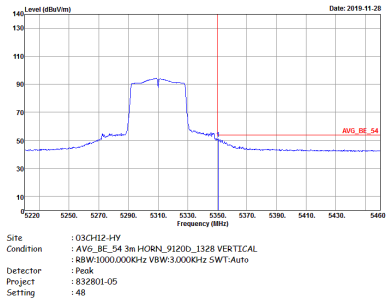
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 48	 Site : 03CH12-HY Condition : PEAK(UNII) 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 48
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 832801-05 Setting : 48	Left blank

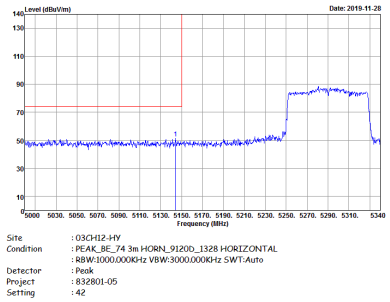
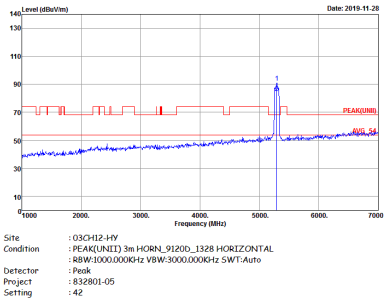
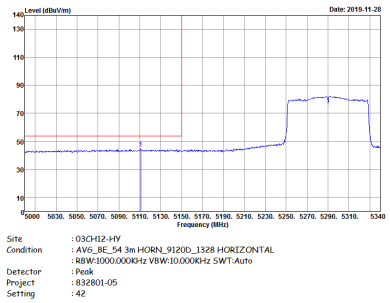
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

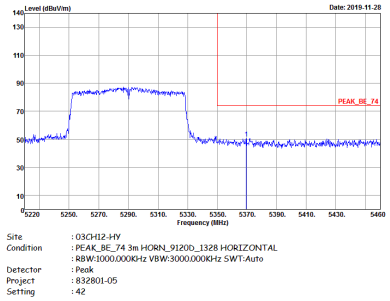
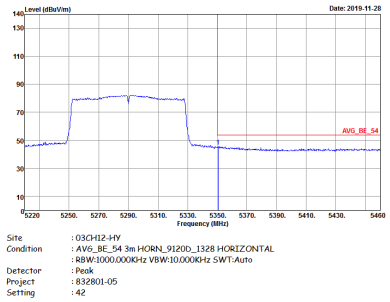
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

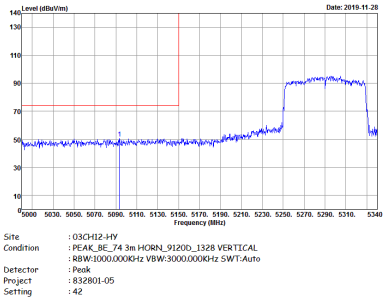
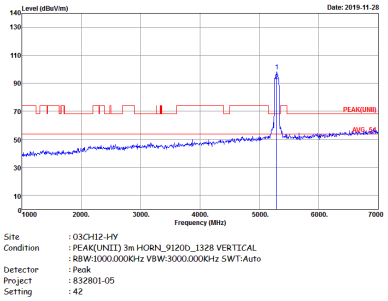
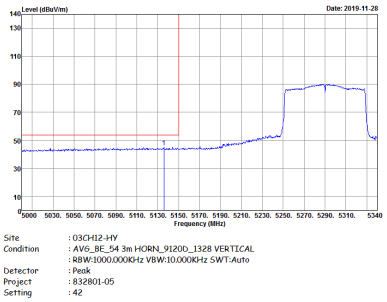
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

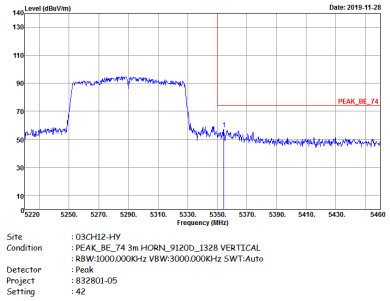
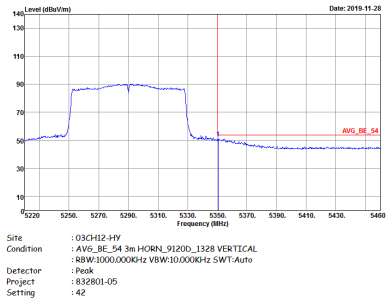
Band 2 5250~5350MHz

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		
Avg.		Left blank

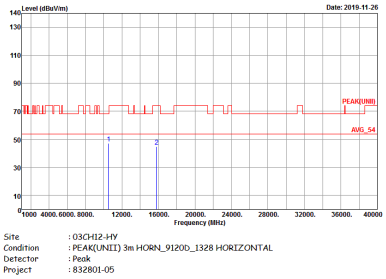
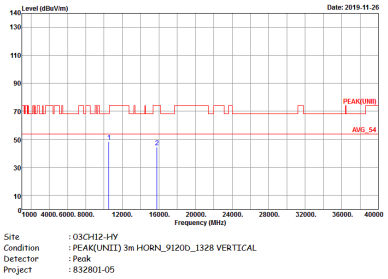
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

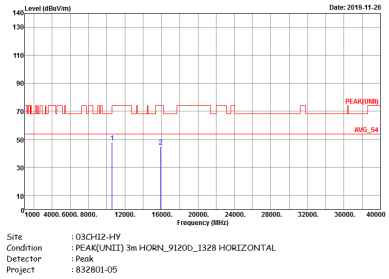
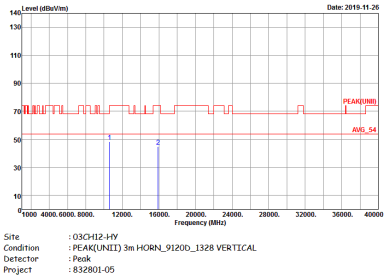
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

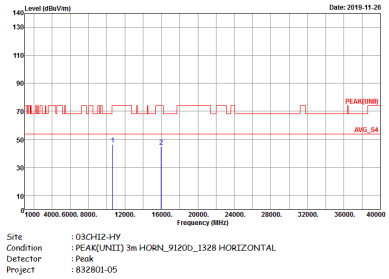
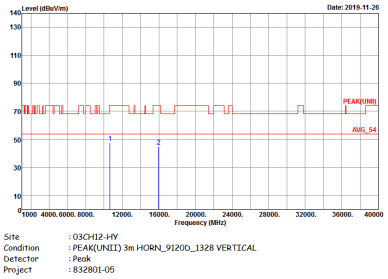
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

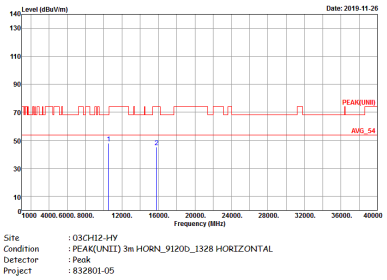
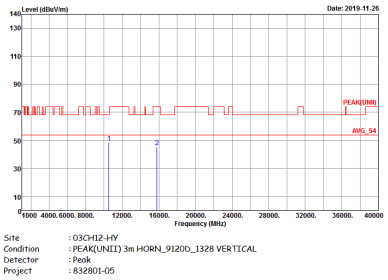
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

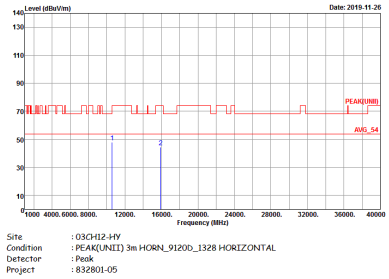
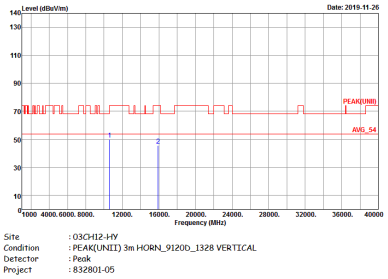
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

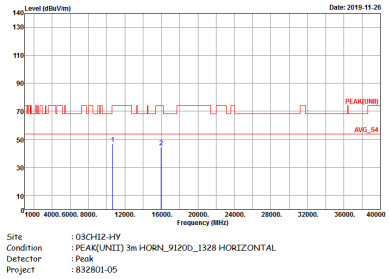
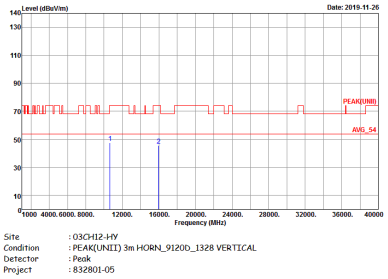
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	 	

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

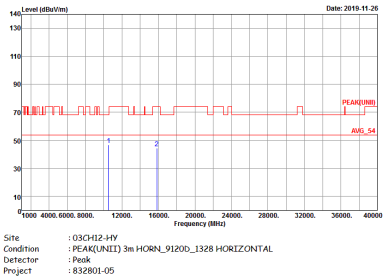
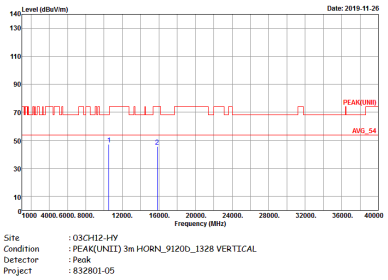
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

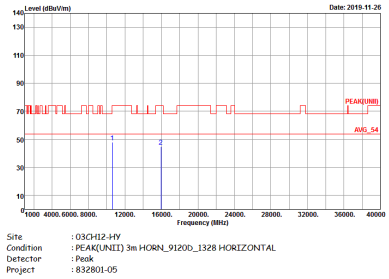
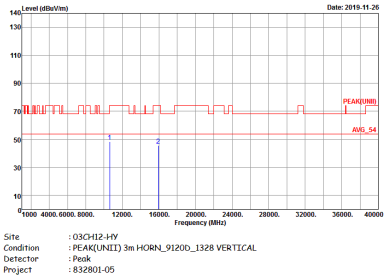
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

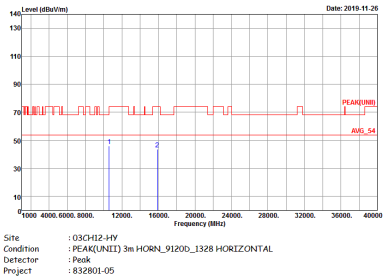
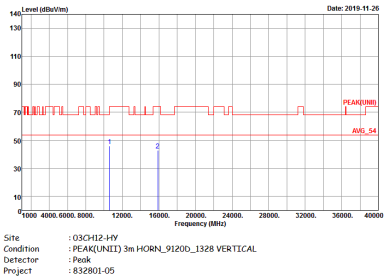
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.		

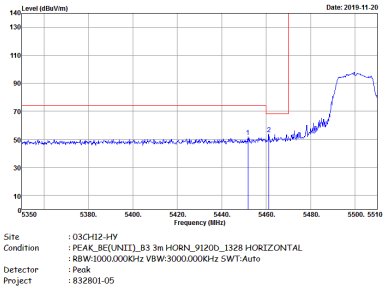
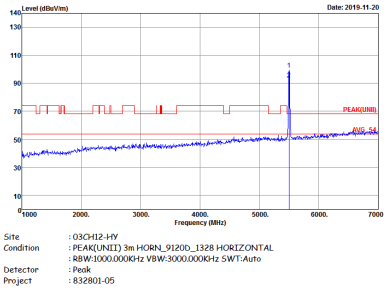
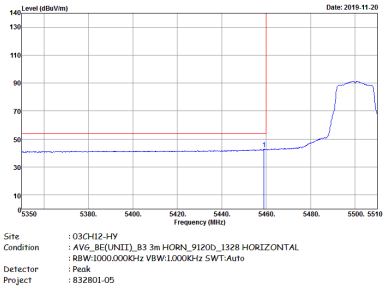
Band 2 5250~5350MHz

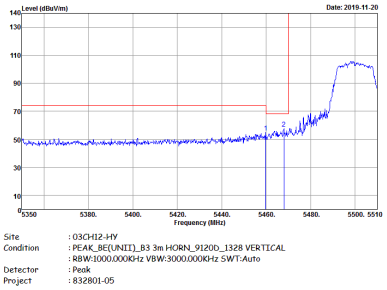
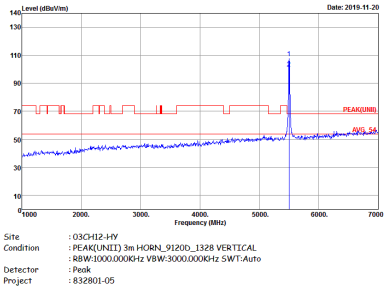
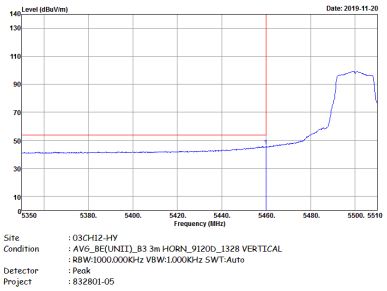
WIFI 802.11ac VHT80 (Harmonic @ 3m)

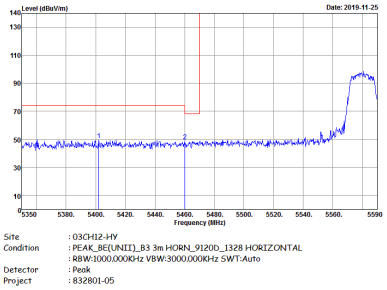
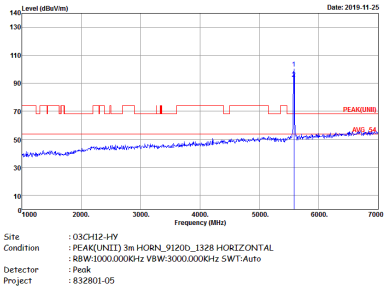
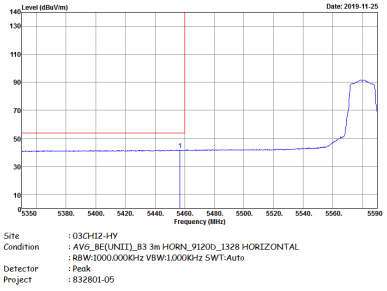
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

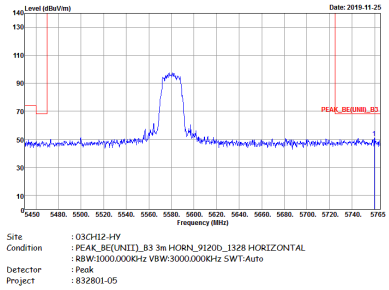
Band 3 - 5470~5725MHz

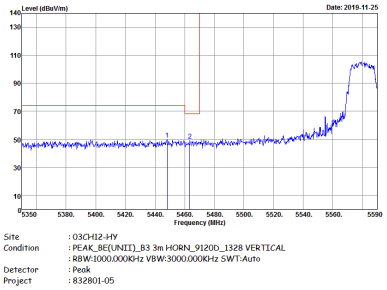
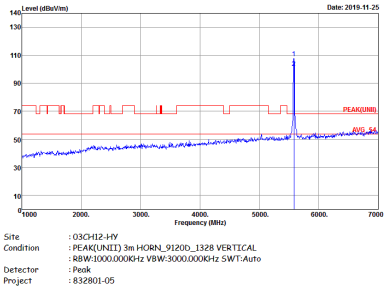
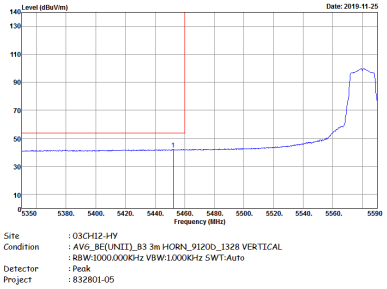
WIFI 802.11a (Band Edge @ 3m)

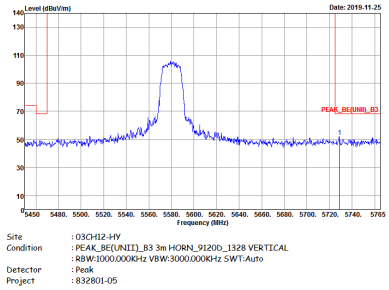
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

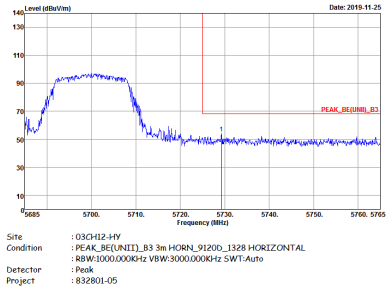
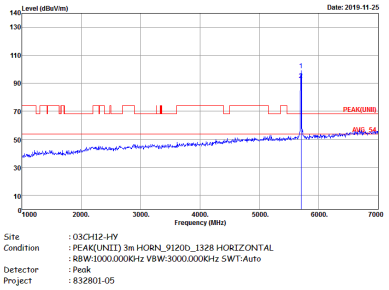
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

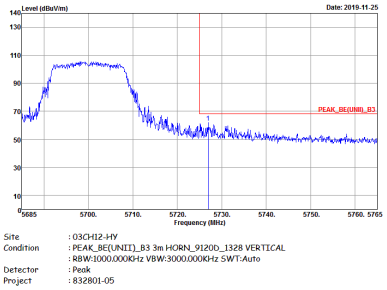
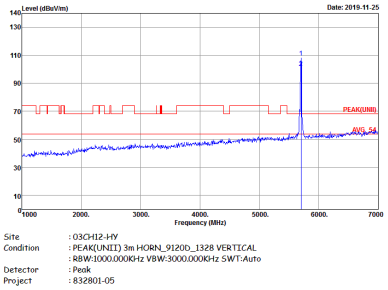
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

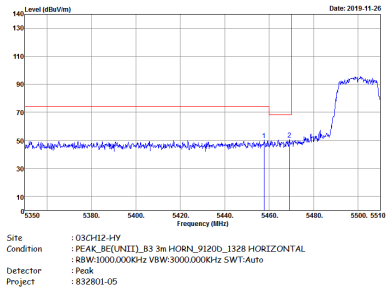
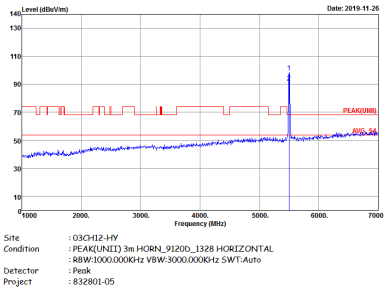
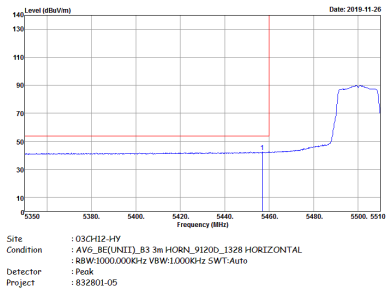
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

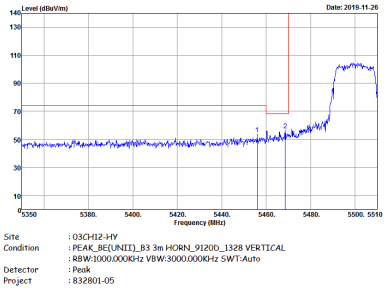
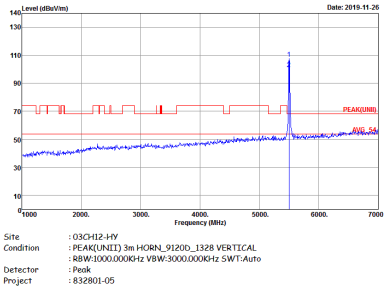
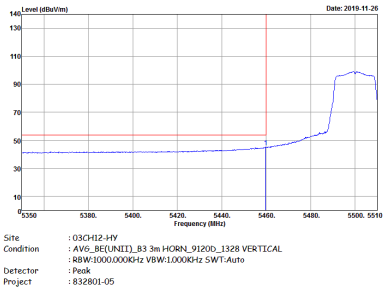
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

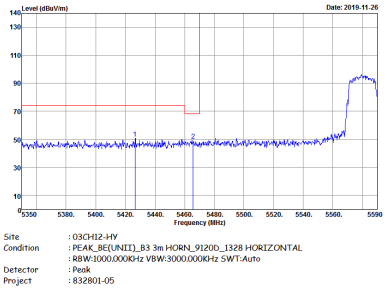
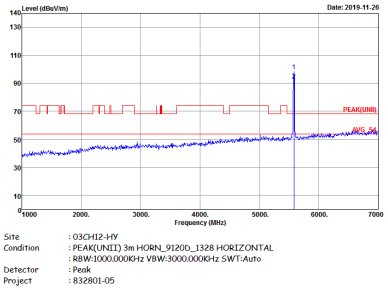
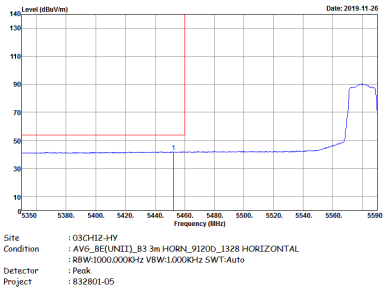
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

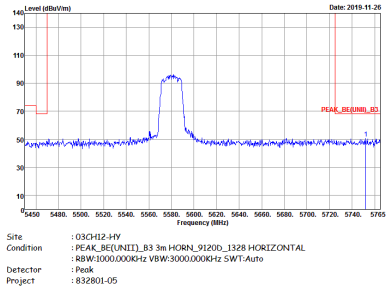
Band 3 5470~5725MHz

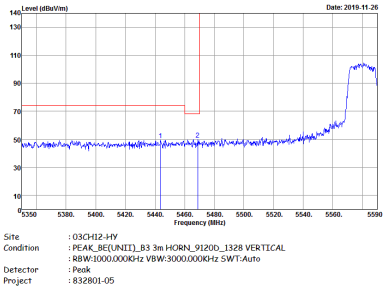
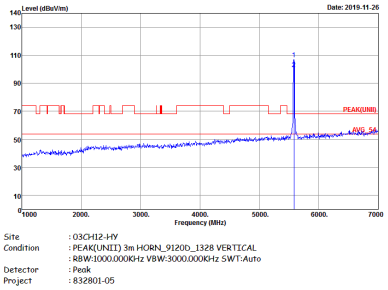
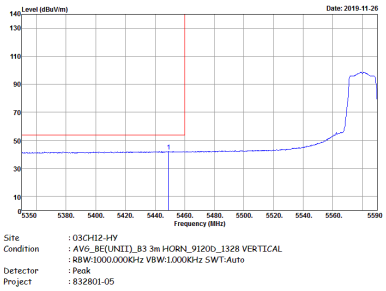
WIFI 802.11n HT20 (Band Edge @ 3m)

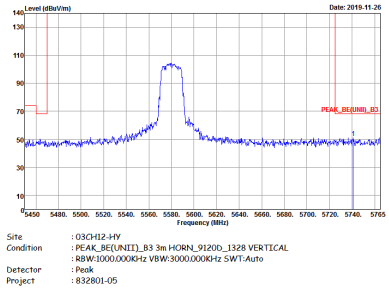
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

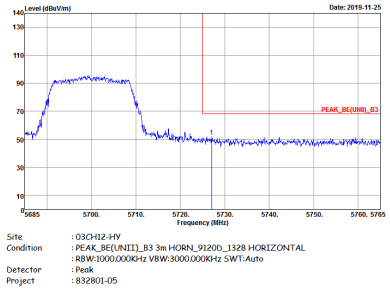
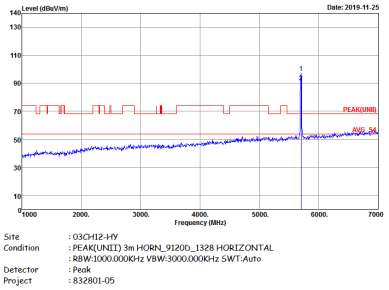
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

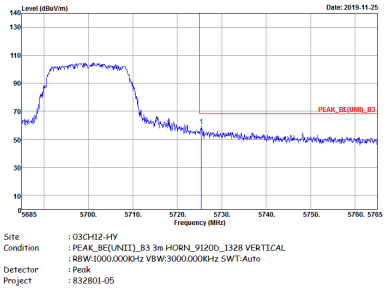
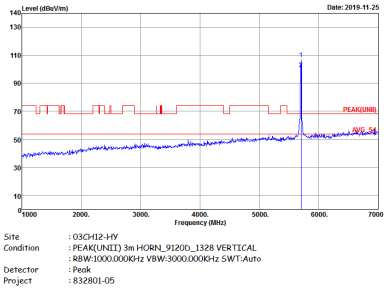
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

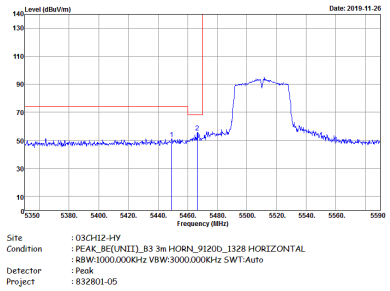
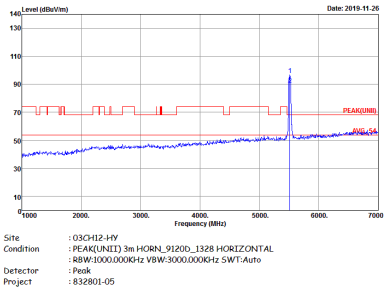
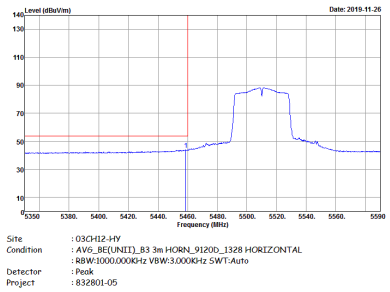
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

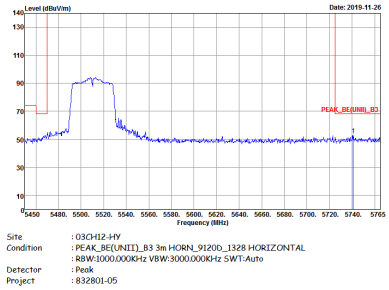
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

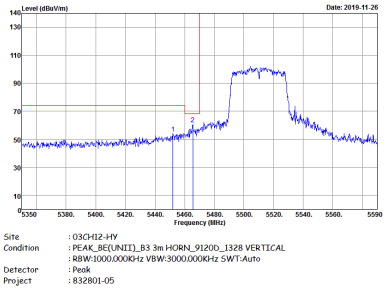
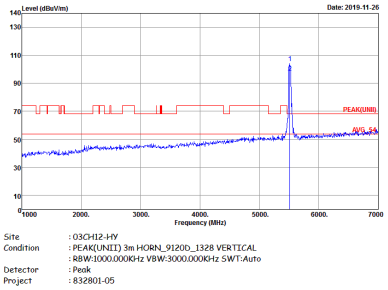
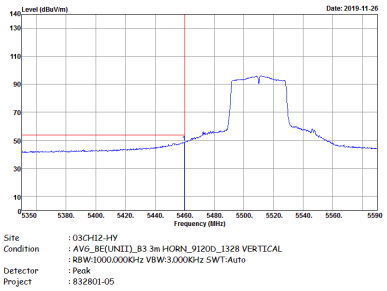
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

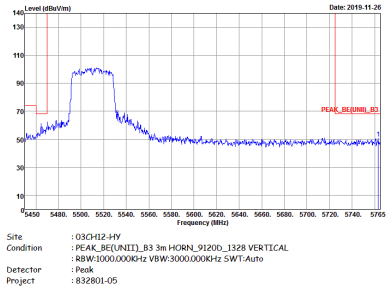
Band 3 5470~5725MHz

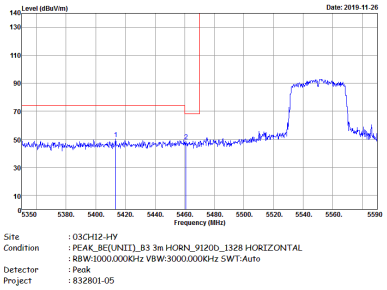
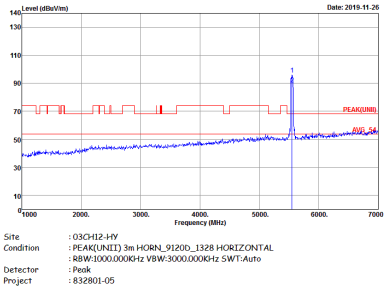
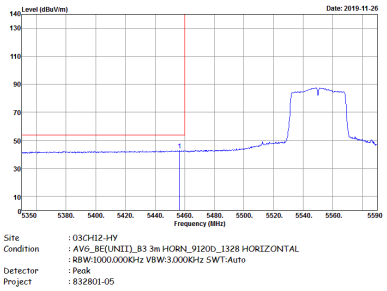
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank