



FCC RADIO TEST REPORT

FCC ID : A4RG020H
Equipment : Smartphone
Model Name : G020H
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA 94043, USA
Standard : FCC Part 15 Subpart E §15.407

The product was completed on Dec. 20, 2018. We, SPORTON INTERNATIONAL INC., 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 INTERTIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Jones Tsai

SPORTON INTERTIONAL 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
FR891148-01E	01	Initial issue of report	Dec. 26, 2018
FR891148-01E	02	Add test data.	Jan. 23, 2019
FR891148-01E	03	Add the description.	Jan. 28, 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 1.59 dB at 5150.000 MHz and 5468.080 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 15.13 dB at 0.652 MHz
3.6	15.407(c)	Automatically Discontinue Transmission	Pass	-
3.7	15.203 15.407(a)	Antenna Requirement	Pass	-

Reviewed by: **Wii Chang**

Report Producer: **Natasha Hsieh**



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smartphone
Model Name	G020H
Sample 1	The device with 1st battery
Sample 2	The device with 2nd battery
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/NFC/GNSS WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
EUT Stage	Identical Prototype

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

1.2 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	<p><Ant. 1> <5180 MHz ~ 5240 MHz> 802.11a : 17.48 dBm / 0.0560 W 802.11n HT20 : 17.33 dBm / 0.0541 W 802.11n HT40 : 17.02 dBm / 0.0504 W 802.11 ac VHT20: 17.30 dBm / 0.0537 W 802.11 ac VHT40: 17.01 dBm / 0.0502 W 802.11 ac VHT80: 11.57 dBm / 0.0144 W <5260 MHz ~ 5320 MHz> 802.11a : 17.32 dBm / 0.0540 W 802.11n HT20 : 17.46 dBm / 0.0557 W 802.11n HT40 : 17.12 dBm / 0.0515 W 802.11 ac VHT20: 17.41 dBm / 0.0551 W 802.11 ac VHT40: 17.07 dBm / 0.0509 W 802.11 ac VHT80: 14.00 dBm / 0.0251 W <5500 MHz ~ 5700 MHz > 802.11a : 17.26 dBm / 0.0532 W 802.11n HT20 : 17.30 dBm / 0.0537 W 802.11n HT40 : 17.49 dBm / 0.0561 W 802.11 ac VHT20: 17.28 dBm / 0.0535 W 802.11 ac VHT40: 17.47 dBm / 0.0558 W 802.11 ac VHT80: 17.35 dBm / 0.0543 W</p>



Standards-related Product Specification	
Maximum Output Power to Antenna	<p><Ant. 2> <5180 MHz ~ 5240 MHz> 802.11a : 17.02 dBm / 0.0504 W 802.11n HT20 : 16.92 dBm / 0.0492 W 802.11n HT40 : 16.68 dBm / 0.0466 W 802.11 ac VHT20: 16.89 dBm / 0.0489 W 802.11 ac VHT40: 16.67 dBm / 0.0465 W 802.11 ac VHT80: 11.39 dBm / 0.0138 W <5260 MHz ~ 5320 MHz> 802.11a : 17.26 dBm / 0.0532 W 802.11n HT20 : 17.20 dBm / 0.0525 W 802.11n HT40 : 17.16 dBm / 0.0520 W 802.11 ac VHT20: 17.18 dBm / 0.0522 W 802.11 ac VHT40: 17.10 dBm / 0.0513 W 802.11 ac VHT80: 13.75 dBm / 0.0237 W <5500 MHz ~ 5700 MHz > 802.11a : 16.97 dBm / 0.0498 W 802.11n HT20 : 17.21 dBm / 0.0526 W 802.11n HT40 : 17.22 dBm / 0.0527 W 802.11 ac VHT20: 17.15 dBm / 0.0519 W 802.11 ac VHT40: 17.19 dBm / 0.0524 W 802.11 ac VHT80: 17.06 dBm / 0.0508 W</p>
	<p>MIMO <Ant. 1+2> <5180 MHz ~ 5240 MHz> 802.11a : 20.30 dBm / 0.1072 W 802.11n HT20 : 20.49 dBm / 0.1119 W 802.11n HT40 : 20.17 dBm / 0.1040 W 802.11 ac VHT20: 20.47 dBm / 0.1114 W 802.11 ac VHT40: 20.15 dBm / 0.1035 W 802.11 ac VHT80: 14.83 dBm / 0.0304 W <5260 MHz ~ 5320 MHz> 802.11a : 20.44 dBm / 0.1107 W 802.11n HT20 : 20.44 dBm / 0.1107 W 802.11n HT40 : 20.43 dBm / 0.1104 W 802.11 ac VHT20: 20.39 dBm / 0.1094 W 802.11 ac VHT40: 20.39 dBm / 0.1094 W 802.11 ac VHT80: 17.00 dBm / 0.0501 W <5500 MHz ~ 5700 MHz > 802.11a : 20.13 dBm / 0.1030 W 802.11n HT20 : 20.35 dBm / 0.1084 W 802.11n HT40 : 20.43 dBm / 0.1104 W 802.11 ac VHT20: 20.32 dBm / 0.1076 W 802.11 ac VHT40: 20.39 dBm / 0.1094 W 802.11 ac VHT80: 20.24 dBm / 0.1057 W</p>

Standards-related Product Specification											
99% Occupied Bandwidth	MIMO<Ant. 1> 802.11a : 16.88 MHz 802.11n HT20 : 18.03 MHz 802.11n HT40 : 36.76 MHz 802.11 ac VHT80 : 76.12 MHz MIMO<Ant. 2> 802.11a : 16.78 MHz 802.11n HT20 : 17.98 MHz 802.11n HT40 : 36.56 MHz 802.11 ac VHT80 : 76.12 MHz										
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)										
Antenna Gain / Gain	<5150 MHz ~ 5250 MHz> <Ant. 1> : PIFA Antenna with gain -2.20 dBi <Ant. 2> : PIFA Antenna with gain -0.80 dBi <5250 MHz ~ 5350 MHz> <Ant. 1> : PIFA Antenna with gain -2.70 dBi <Ant. 2> : PIFA Antenna with gain -0.80 dBi <5470 MHz ~ 5725 MHz> <Ant. 1> : PIFA Antenna with gain -3.40 dBi <Ant. 2> : PIFA Antenna with gain -1.70 dBi										
Antenna Function Description	<table border="1"> <thead> <tr> <th></th> <th>Ant. 1</th> <th>Ant. 2</th> </tr> </thead> <tbody> <tr> <td>802.11 a/n/ac</td> <td>V</td> <td>V</td> </tr> <tr> <td>802.11 n/ac MIMO</td> <td>V</td> <td>V</td> </tr> </tbody> </table>			Ant. 1	Ant. 2	802.11 a/n/ac	V	V	802.11 n/ac MIMO	V	V
	Ant. 1	Ant. 2									
802.11 a/n/ac	V	V									
802.11 n/ac MIMO	V	V									

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

1.3 Modification of EUT

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



1.4 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.		
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	03CH07-HY

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

1.5 Applicable Standards

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

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

Remark:

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



2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 [#]	5210		

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

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



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

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

Note:

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



2.2 Test Mode

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + GPS Rx + Earphone + USB Type C Cable 1 (Charging form Adapter 1) + Battery<10% for Sample 1
Remark: For Radiated Test Cases, the tests were performed with USB Type C Cable 1.	



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

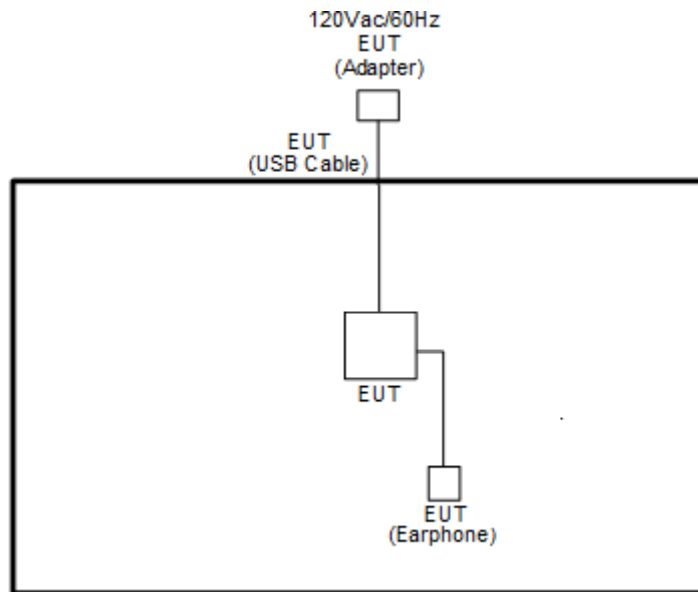
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

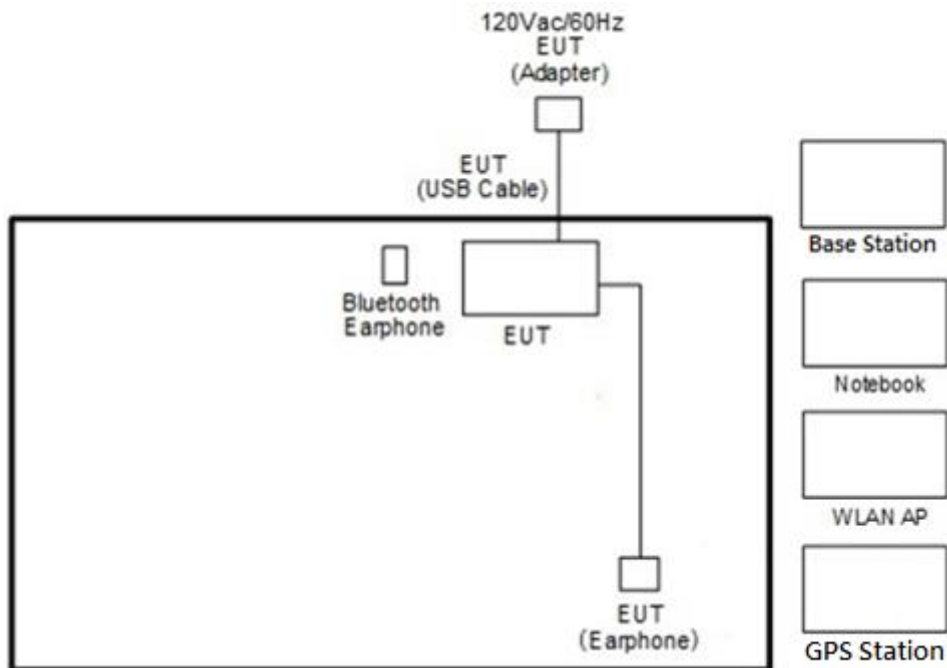
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	122
H	High	-	-	-
Straddle		-	-	138

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emissions Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
5.	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 “QRCT” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

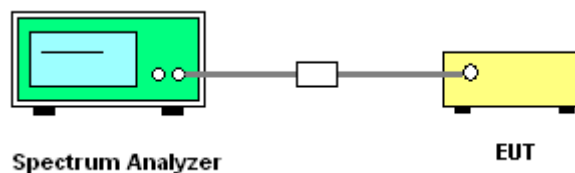
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

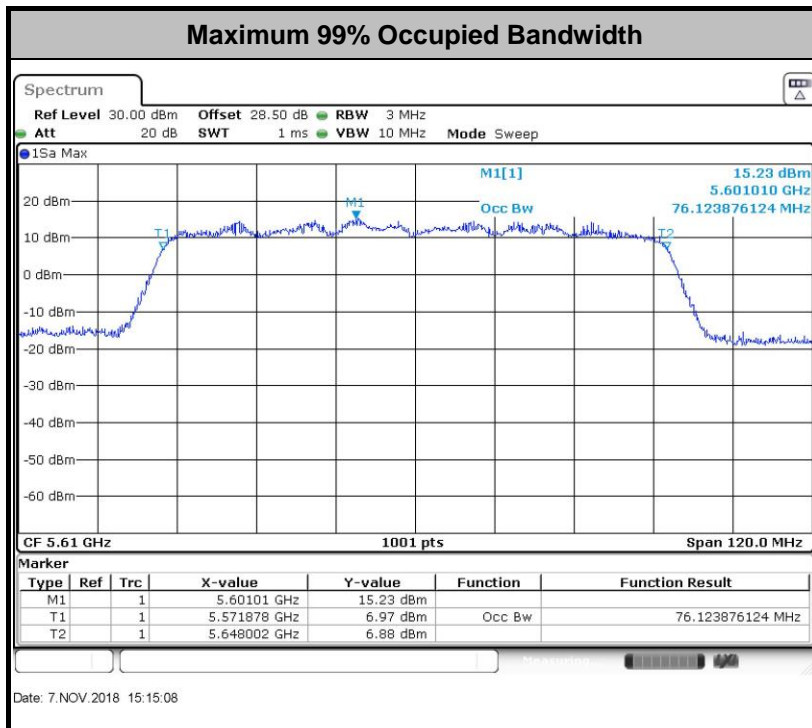
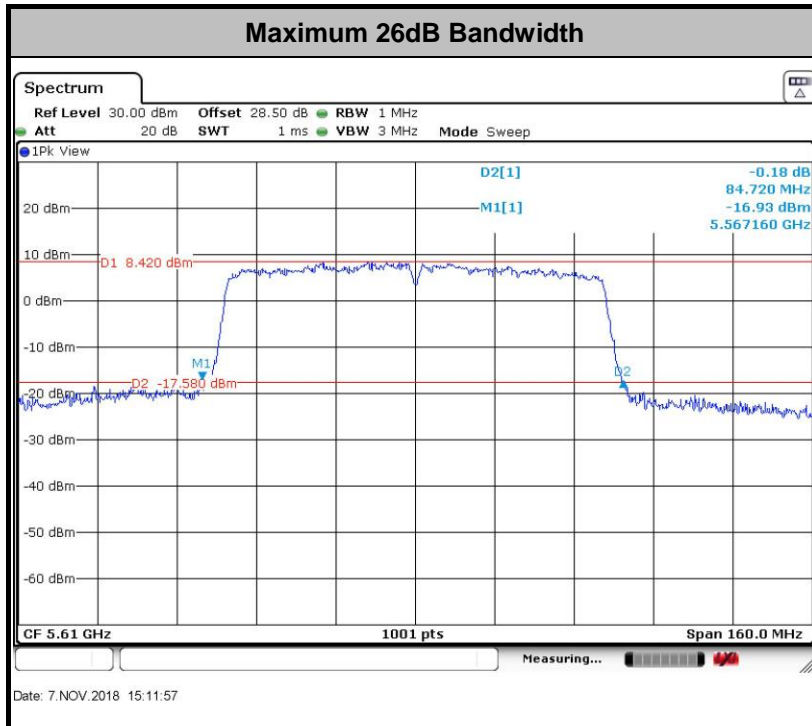
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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



3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

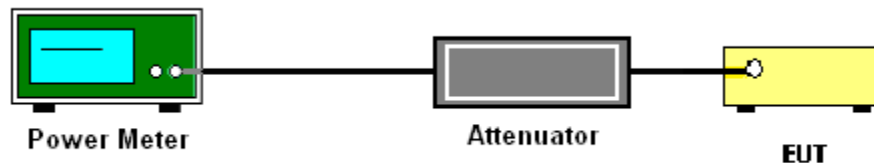
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x is the duty cycle.

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-2

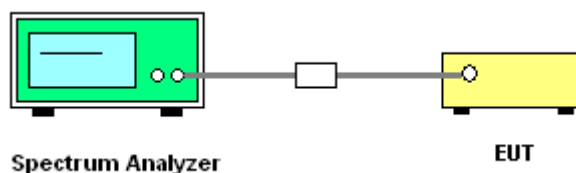
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW \geq 3 MHz.
 - Number of points in sweep \geq 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

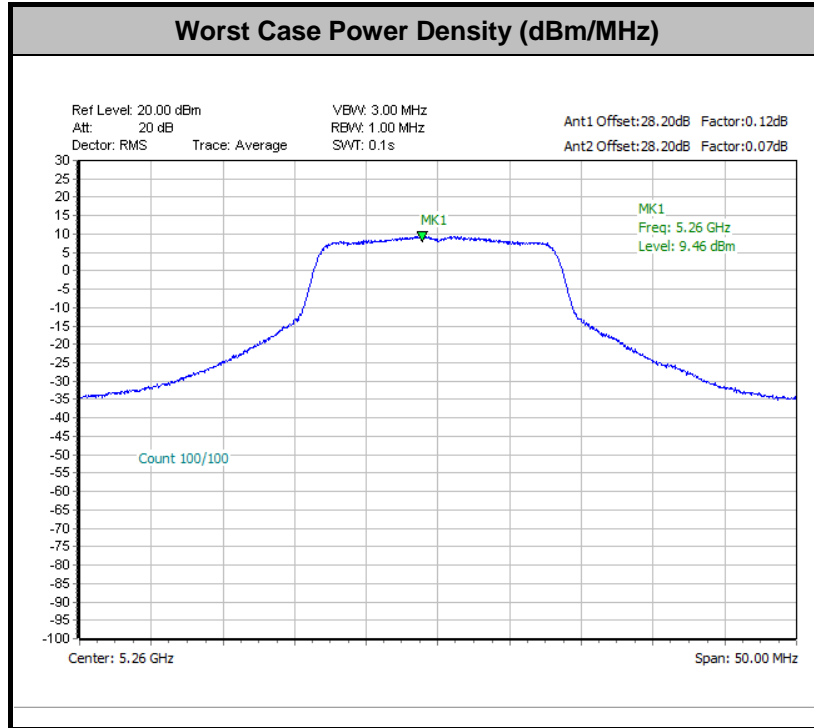
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



Note:

1. Average Power Density (dB) = Measured value+ Duty Factor
2. MIMO mode is higher power than SISO, per chain, so MIMO mode is considered worst case



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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



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

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

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits 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.³
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.⁴

Note 3: An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

Note 4: Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

3.4.2 Measuring Instruments

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

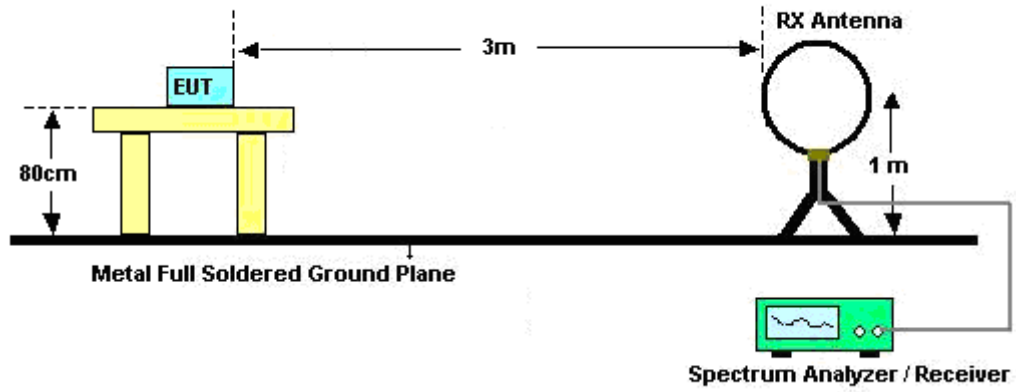


(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

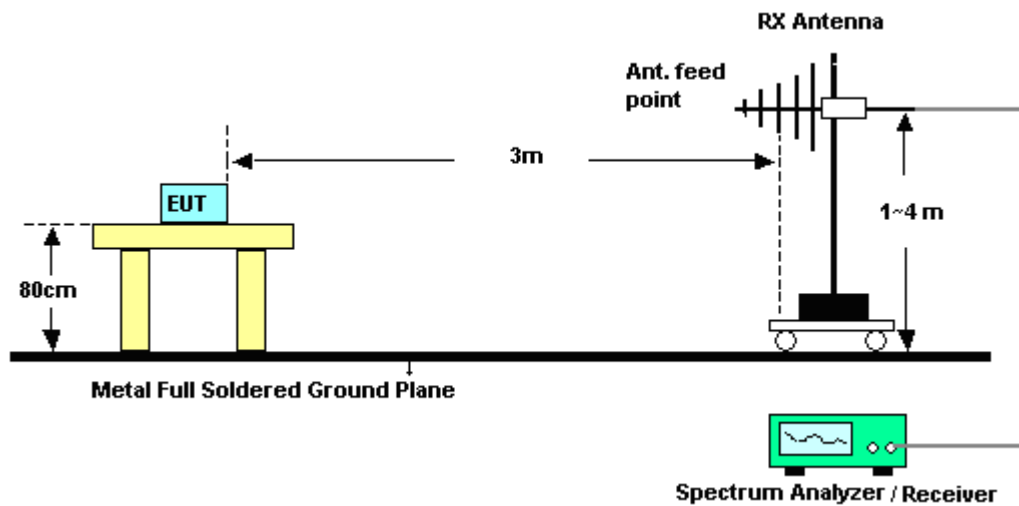
- RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2.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

3.4.4 Test Setup

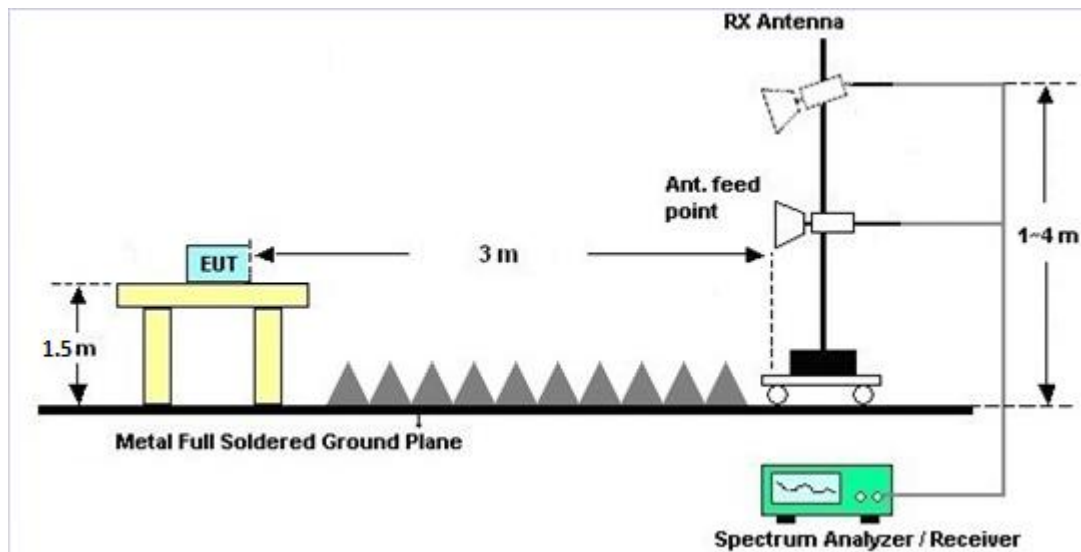
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.



3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

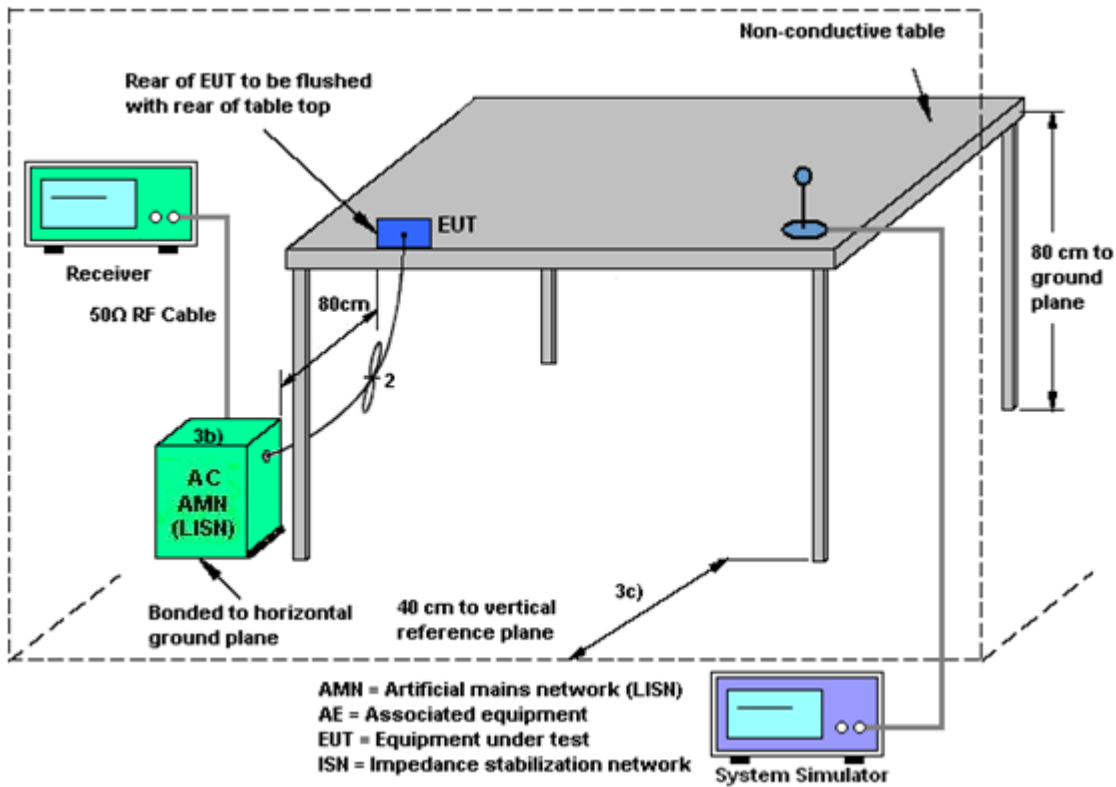
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

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

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

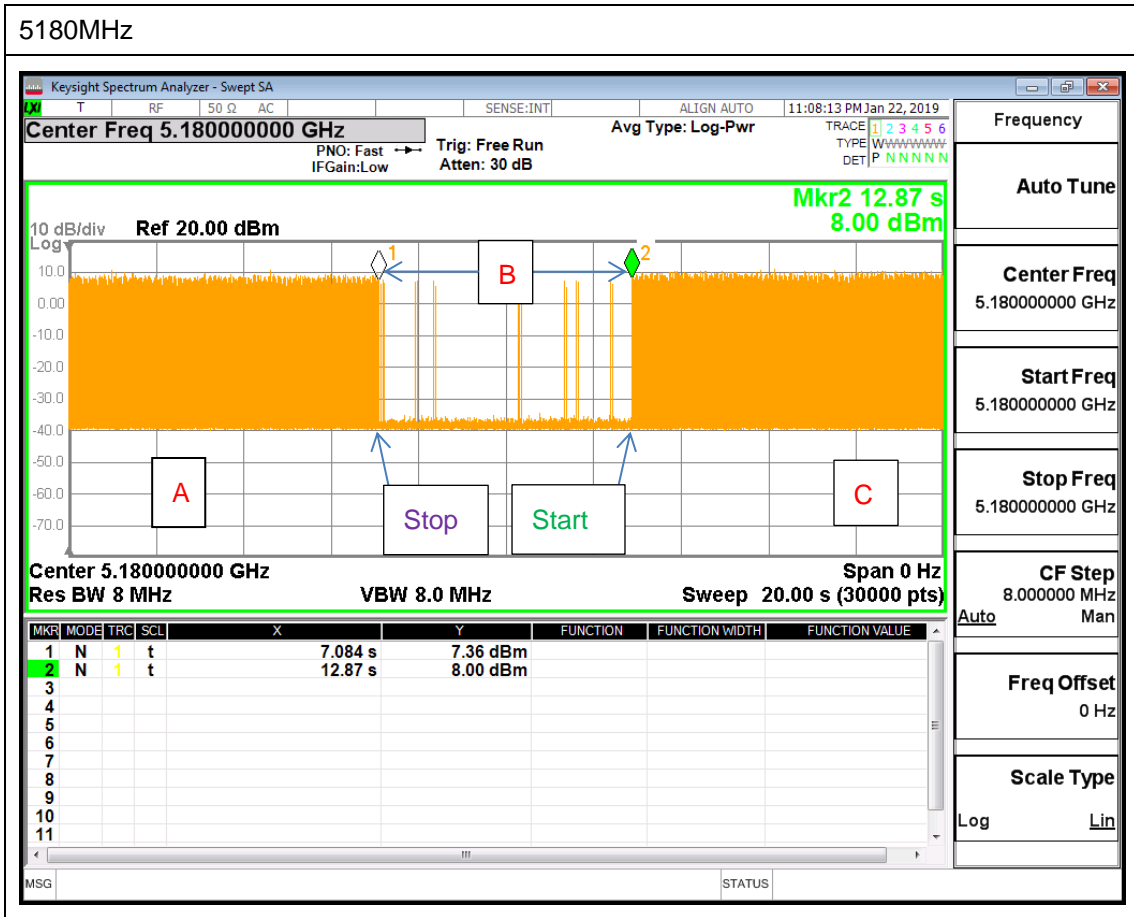
EUT is verified this characteristic during the function check of normal sample associated with an access point:

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

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

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

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



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



3.7 Antenna Requirements

3.7.1 Standard Applicable

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

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

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

Array Gain = 10 log(NANT/NSS=1) dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4.

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

The EUT supports CDD mode.

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

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

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

The directional gain “DG” is calculated as following table.

<CDD Modes>						
	Ant. 1	Ant. 2	DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	-2.20	-0.80	-0.80	1.54	0.00	0.00
Band II	-2.70	-0.80	-0.80	1.31	0.00	0.00
Band III	-3.40	-1.70	-1.70	0.50	0.00	0.00

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

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	1132003	N/A	Aug. 16, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Aug. 15, 2019	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Aug. 16, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Aug. 15, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jun. 14, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Jun. 13, 2019	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV 30	100895	9kHz~30GHz	Apr. 20, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Apr. 19, 2019	Conducted (TH05-HY)
Switch Box & RF Cable	Burgeon	ETF-058	EC1300484	N/A	Mar. 01, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Feb. 28, 2019	Conducted (TH05-HY)
Hygrometer	Testo	DTM-303A	TP157075	N/A	Mar. 06, 2018	Oct. 05, 2018 ~ Nov. 07, 2018	Mar. 05, 2019	Conducted (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	1GHz~26GHz	Dec. 01, 2017	Oct. 05, 2018 ~ Nov. 07, 2018	Nov. 30, 2018	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec.05, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9KHz~3.6GHz	Nov. 12, 2018	Dec. 05, 2018	Nov. 11, 2019	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 14, 2018	Dec. 05, 2018	Nov. 13, 2019	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 03, 2018	Dec. 05, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Test Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 05, 2018	N/A	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 03, 2018	Dec. 05, 2018	Jan. 02, 2019	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Mar. 06, 2018	Dec. 05, 2018	Mar. 05, 2019	Conduction (CO05-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	May 29, 2018	Dec. 05, 2018~ Dec. 20, 2018	May 28, 2019	Radiation (03CH07-HY)
Bilog Antenna	TESEQ	CBL 6111D&N-6-06	35414&AT-N0602	30MHz to 1GHz	Oct. 13, 2018	Dec. 05, 2018~ Dec. 20, 2018	Oct. 12, 2019	Radiation (03CH07-HY)
Horn Antenna	ESCO	3117	00211469	1GHz~18GHz	Apr. 06, 2018	Dec. 05, 2018~ Dec. 20, 2018	Apr. 05, 2019	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	May 08, 2018	Dec. 05, 2018~ Dec. 20, 2018	May 07, 2019	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY53290053	20Hz to 26.5GHz	Jan. 16, 2018	Dec. 05, 2018~ Dec. 20, 2018	Jan. 15, 2019	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	Apr. 25, 2018	Dec. 05, 2018~ Dec. 20, 2018	Apr. 24, 2019	Radiation (03CH07-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 25, 2018	Dec. 05, 2018~ Dec. 20, 2018	Apr. 24, 2019	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1GHz	May 21, 2018	Dec. 05, 2018~ Dec. 20, 2018	May 20, 2019	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Nov. 02, 2018	Dec. 05, 2018~ Dec. 20, 2018	Nov. 01, 2019	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A01917	1GHz~26.5GHz	Apr. 23, 2018	Dec. 05, 2018~ Dec. 20, 2018	Apr. 22, 2019	Radiation (03CH07-HY)
Amplifier	MITEQ	TTA1840-35- HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2018	Dec. 05, 2018~ Dec. 20, 2018	Jul. 15, 2019	Radiation (03CH07-HY)
Hygrometer	TECPEL	HTC-2	1	N/A	May 12, 2018	Dec. 05, 2018~ Dec. 20, 2018	May 11, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24971/4,M Y28655/4	9KHz~30MHz	Jan. 02, 2018	Dec. 05, 2018~ Dec. 20, 2018	Jan. 01, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	30MHz~1GHz	Feb. 27, 2018	Dec. 05, 2018~ Dec. 20, 2018	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY28655/4, MY24971/4, MY15682/4	1GHz~18GHz	Feb. 27, 2018	Dec. 05, 2018~ Dec. 20, 2018	Feb. 26, 2019	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SF102/2*11S K252	MY4278/2	9kHz~40GHz	May 17, 2018	Dec. 05, 2018~ Dec. 20, 2018	May 16, 2019	Radiation (03CH07-HY)
Filter	Wainwright	WLKS1200-1 2SS	SN2	1.2GHz Low Pass	Mar. 21, 2018	Dec. 05, 2018~ Dec. 20, 2018	Mar. 20, 2019	Radiation (03CH07-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000 -60ST	SN2	3GHz High Pass	Mar. 21, 2018	Dec. 05, 2018~ Dec. 20, 2018	Mar. 20, 2019	Radiation (03CH07-HY)
Filter	Woken	WHKX8-5272. 5-6750-18000 -40ST	SN2	6.75G Highpas s	Mar. 21, 2018	Dec. 05, 2018~ Dec. 20, 2018	Mar. 20, 2019	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Dec. 05, 2018~ Dec. 20, 2018	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF78020836 8	Control Ant Mast	N/A	Dec. 05, 2018~ Dec. 20, 2018	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Dec. 05, 2018~ Dec. 20, 2018	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Dec. 05, 2018~ Dec. 20, 2018	N/A	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Dec. 05, 2018~ Dec. 20, 2018	N/A	Radiation (03CH07-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.20
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.70
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.50
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.20
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu/Eason Huang	Temperature:	21~25	°C
Test Date:	2018/10/5~2018/11/7	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.73	16.68	24.78	25.02	-	-	22.22	22.22	
11a	6Mbps	2	44	5220	16.78	16.68	25.02	25.02	-	-	22.22	22.22	
11a	6Mbps	2	48	5240	16.88	16.78	24.98	25.02	-	-	22.25	22.25	
HT20	MCS0	2	36	5180	17.98	17.98	26.07	25.43	-	-	22.55	22.55	
HT20	MCS0	2	44	5220	17.93	17.93	25.77	25.72	-	-	22.54	22.54	
HT20	MCS0	2	48	5240	17.98	17.93	26.07	25.67	-	-	22.54	22.54	
HT40	MCS0	2	38	5190	36.56	36.56	41.54	41.99	-	-	23.01	23.01	
HT40	MCS0	2	46	5230	36.56	36.46	41.72	41.81	-	-	23.01	23.01	
VHT80	MCS0	2	42	5210	76.12	76.00	83.60	83.60	-	-	23.01	23.01	

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.10	0.09	17.48	16.53		24.00	24.00	-2.20	-0.80	Pass
11a	6Mbps	1	44	5220	0.10	0.09	17.19	16.77		24.00	24.00	-2.20	-0.80	Pass
11a	6Mbps	1	48	5240	0.10	0.09	17.17	17.02		24.00	24.00	-2.20	-0.80	Pass
HT20	MCS0	1	36	5180	0.12	0.09	17.33	16.52		24.00	24.00	-2.20	-0.80	Pass
HT20	MCS0	1	44	5220	0.12	0.09	17.00	16.70		24.00	24.00	-2.20	-0.80	Pass
HT20	MCS0	1	48	5240	0.12	0.09	17.03	16.92		24.00	24.00	-2.20	-0.80	Pass
HT40	MCS0	1	38	5190	0.16	0.18	12.21	11.66		24.00	24.00	-2.20	-0.80	Pass
HT40	MCS0	1	46	5230	0.16	0.18	17.02	16.68		24.00	24.00	-2.20	-0.80	Pass
VHT20	MCS0	1	36	5180	0.10	0.11	17.30	16.49		24.00	24.00	-2.20	-0.80	Pass
VHT20	MCS0	1	44	5220	0.10	0.11	16.97	16.66		24.00	24.00	-2.20	-0.80	Pass
VHT20	MCS0	1	48	5240	0.10	0.11	17.01	16.89		24.00	24.00	-2.20	-0.80	Pass
VHT40	MCS0	1	38	5190	0.18	0.18	12.20	11.58		24.00	24.00	-2.20	-0.80	Pass
VHT40	MCS0	1	46	5230	0.18	0.18	17.01	16.67		24.00	24.00	-2.20	-0.80	Pass
VHT80	MCS0	1	42	5210	0.37	0.37	11.57	11.39		24.00	24.00	-2.20	-0.80	Pass
11a	6Mbps	2	36	5180	0.12	0.07	17.21	17.03	20.13	24.00			-0.80	Pass
11a	6Mbps	2	44	5220	0.12	0.07	17.39	16.78	20.11	24.00			-0.80	Pass
11a	6Mbps	2	48	5240	0.12	0.07	17.40	17.18	20.30	24.00			-0.80	Pass
HT20	MCS0	2	36	5180	0.12	0.09	17.49	17.39	20.45	24.00			-0.80	Pass
HT20	MCS0	2	44	5220	0.12	0.09	17.48	17.37	20.43	24.00			-0.80	Pass
HT20	MCS0	2	48	5240	0.12	0.09	17.47	17.50	20.49	24.00			-0.80	Pass
HT40	MCS0	2	38	5190	0.18	0.18	12.48	11.91	15.22	24.00			-0.80	Pass
HT40	MCS0	2	46	5230	0.18	0.18	17.29	17.03	20.17	24.00			-0.80	Pass
VHT20	MCS0	2	36	5180	0.12	0.13	17.49	17.30	20.40	24.00			-0.80	Pass
VHT20	MCS0	2	44	5220	0.12	0.13	17.48	17.28	20.39	24.00			-0.80	Pass
VHT20	MCS0	2	48	5240	0.12	0.13	17.47	17.46	20.47	24.00			-0.80	Pass
VHT40	MCS0	2	38	5190	0.16	0.19	12.47	11.78	15.15	24.00			-0.80	Pass
VHT40	MCS0	2	46	5230	0.16	0.19	17.28	17.00	20.15	24.00			-0.80	Pass
VHT80	MCS0	2	42	5210	0.37	0.36	11.87	11.76	14.83	24.00			-0.80	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	0.12	0.07			9.01	11.00	1.54		Pass	
11a	6Mbps	2	44	5220	0.12	0.07			9.10	11.00	1.54		Pass	
11a	6Mbps	2	48	5240	0.12	0.07			9.26	11.00	1.54		Pass	
HT20	MCS0	2	36	5180	0.12	0.09			9.04	11.00	1.54		Pass	
HT20	MCS0	2	44	5220	0.12	0.09			9.27	11.00	1.54		Pass	
HT20	MCS0	2	48	5240	0.12	0.09			9.34	11.00	1.54		Pass	
HT40	MCS0	2	38	5190	0.18	0.18			1.49	11.00	1.54		Pass	
HT40	MCS0	2	46	5230	0.18	0.18			6.14	11.00	1.54		Pass	
VHT80	MCS0	2	42	5210	0.37	0.36			-1.83	11.00	1.54		Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.83	16.78	25.02	25.12	23.25	23.25	29.25	29.25	23.98		
11a	6Mbps	2	60	5300	16.73	16.73	25.62	25.62	23.23	23.23	29.23	29.23	23.98		
11a	6Mbps	2	64	5320	16.73	16.68	25.27	25.12	23.22	23.22	29.22	29.22	23.98		
HT20	MCS0	2	52	5260	17.98	17.93	25.77	25.52	23.54	23.54	29.54	29.54	23.98		
HT20	MCS0	2	60	5300	17.98	17.88	26.52	25.62	23.52	23.52	29.52	29.52	23.98		
HT20	MCS0	2	64	5320	17.98	17.88	26.37	25.62	23.52	23.52	29.52	29.52	23.98		
HT40	MCS0	2	54	5270	36.56	36.46	41.72	41.54	23.98	23.98	30.00	30.00	23.98		
HT40	MCS0	2	62	5310	36.56	36.56	41.90	41.81	23.98	23.98	30.00	30.00	23.98		
VHT80	MCS0	2	58	5290	76.00	76.00	83.76	83.28	23.98	23.98	30.00	30.00	23.98		

TEST RESULTS DATA
Average Power Table

FCC Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.10	0.09	17.32	17.26		-	-	-2.70	-0.80	30	Pass
11a	6Mbps	1	60	5300	0.10	0.09	17.07	16.47		-	-	-2.70	-0.80	30	Pass
11a	6Mbps	1	64	5320	0.10	0.09	17.21	16.53		-	-	-2.70	-0.80	30	Pass
HT20	MCS0	1	52	5260	0.12	0.09	17.09	17.12		-	-	-2.70	-0.80	30	Pass
HT20	MCS0	1	60	5300	0.12	0.09	17.39	17.15		-	-	-2.70	-0.80	30	Pass
HT20	MCS0	1	64	5320	0.12	0.09	17.46	17.20		-	-	-2.70	-0.80	30	Pass
HT40	MCS0	1	54	5270	0.16	0.18	17.12	17.16		-	-	-2.70	-0.80	30	Pass
HT40	MCS0	1	62	5310	0.16	0.18	13.86	13.83		-	-	-2.70	-0.80	30	Pass
VHT20	MCS0	1	52	5260	0.10	0.11	17.06	17.09		-	-	-2.70	-0.80	30	Pass
VHT20	MCS0	1	60	5300	0.10	0.11	17.35	17.14		-	-	-2.70	-0.80	30	Pass
VHT20	MCS0	1	64	5320	0.10	0.11	17.41	17.18		-	-	-2.70	-0.80	30	Pass
VHT40	MCS0	1	54	5270	0.18	0.18	17.07	17.10		-	-	-2.70	-0.80	30	Pass
VHT40	MCS0	1	62	5310	0.18	0.18	13.74	13.74		-	-	-2.70	-0.80	30	Pass
VHT80	MCS0	1	58	5290	0.37	0.37	14.00	13.75		-	-	-2.70	-0.80	30	Pass
11a	6Mbps	2	52	5260	0.12	0.07	17.49	17.37	20.44	23.98		-0.80		30	Pass
11a	6Mbps	2	60	5300	0.12	0.07	17.20	16.99	20.11	23.98		-0.80		30	Pass
11a	6Mbps	2	64	5320	0.12	0.07	17.33	16.90	20.13	23.98		-0.80		30	Pass
HT20	MCS0	2	52	5260	0.12	0.09	17.28	17.14	20.22	23.98		-0.80		30	Pass
HT20	MCS0	2	60	5300	0.12	0.09	17.43	17.27	20.36	23.98		-0.80		30	Pass
HT20	MCS0	2	64	5320	0.12	0.09	17.50	17.36	20.44	23.98		-0.80		30	Pass
HT40	MCS0	2	54	5270	0.18	0.18	17.45	17.38	20.43	23.98		-0.80		30	Pass
HT40	MCS0	2	62	5310	0.18	0.18	13.88	13.86	16.88	23.98		-0.80		30	Pass
VHT20	MCS0	2	52	5260	0.12	0.13	17.26	17.11	20.19	23.98		-0.80		30	Pass
VHT20	MCS0	2	60	5300	0.12	0.13	17.42	17.25	20.34	23.98		-0.80		30	Pass
VHT20	MCS0	2	64	5320	0.12	0.13	17.47	17.30	20.39	23.98		-0.80		30	Pass
VHT40	MCS0	2	54	5270	0.16	0.19	17.42	17.34	20.39	23.98		-0.80		30	Pass
VHT40	MCS0	2	62	5310	0.16	0.19	13.77	13.79	16.79	23.98		-0.80		30	Pass
VHT80	MCS0	2	58	5290	0.37	0.36	13.98	13.99	17.00	23.98		-0.80		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	0.12	0.07			9.46	11.00	1.31		Pass	
11a	6Mbps	2	60	5300	0.12	0.07			9.28	11.00	1.31		Pass	
11a	6Mbps	2	64	5320	0.12	0.07			9.07	11.00	1.31		Pass	
HT20	MCS0	2	52	5260	0.12	0.09			9.39	11.00	1.31		Pass	
HT20	MCS0	2	60	5300	0.12	0.09			9.41	11.00	1.31		Pass	
HT20	MCS0	2	64	5320	0.12	0.09			9.43	11.00	1.31		Pass	
HT40	MCS0	2	54	5270	0.18	0.18			6.29	11.00	1.31		Pass	
HT40	MCS0	2	62	5310	0.18	0.18			3.13	11.00	1.31		Pass	
VHT80	MCS0	2	58	5290	0.37	0.36			0.48	11.00	1.31		Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band III																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.78	16.73	25.02	25.02	23.23	23.23	29.23	29.23	23.98	23.98	----	----
11a	6Mbps	2	116	5580	16.78	16.73	24.88	25.57	23.23	23.23	29.23	29.23	23.98	23.98	----	----
11a	6Mbps	2	140	5700	16.78	16.73	24.93	25.48	23.23	23.23	29.23	29.23	23.98	23.98	----	----
11a	6Mbps	2	144	5720	13.44	13.39	17.24	17.39	22.27	22.27	28.27	28.27	23.37	23.37	2.55	2.54
HT20	MCS0	2	100	5500	18.03	17.93	26.02	25.97	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	2	116	5580	17.93	17.93	26.67	25.77	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	2	140	5700	17.93	17.93	25.97	25.62	23.54	23.54	29.54	29.54	23.98	23.98	----	----
HT20	MCS0	2	144	5720	13.99	14.04	17.99	18.39	22.46	22.46	28.46	28.46	23.55	23.55	2.54	2.54
HT40	MCS0	2	102	5510	36.56	36.56	41.63	42.08	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	2	110	5550	36.76	36.56	41.99	41.81	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	2	134	5670	36.66	36.56	42.26	41.90	23.98	23.98	30.00	30.00	23.98	23.98	----	----
HT40	MCS0	2	142	5710	33.28	33.28	35.77	35.77	23.98	23.98	30.00	30.00	23.98	23.98	2.54	2.53
VHT80	MCS0	2	106	5530	76.12	75.88	84.24	83.28	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	2	122	5610	76.12	76.12	84.72	83.12	23.98	23.98	30.00	30.00	23.98	23.98	----	----
VHT80	MCS0	2	138	5690	73.12	73.12	77.52	76.56	23.98	23.98	30.00	30.00	23.98	23.98	2.56	2.49

TEST RESULTS DATA
Average Power Table

FCC Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.10	0.09	16.96	16.82		-	-	-3.40	-1.70	30	Pass
11a	6Mbps	1	116	5580	0.10	0.09	16.98	16.97		-	-	-3.40	-1.70	30	Pass
11a	6Mbps	1	140	5700	0.10	0.09	17.13	16.69		-	-	-3.40	-1.70	30	Pass
11a	6Mbps	1	144	5720	0.10	0.09	17.26	16.65		-	-	-3.40	-1.70	30	Pass
HT20	MCS0	1	100	5500	0.12	0.09	17.28	17.16		-	-	-3.40	-1.70	30	Pass
HT20	MCS0	1	116	5580	0.12	0.09	17.30	17.21		-	-	-3.40	-1.70	30	Pass
HT20	MCS0	1	140	5700	0.12	0.09	17.03	16.96		-	-	-3.40	-1.70	30	Pass
HT20	MCS0	1	144	5720	0.12	0.09	17.10	16.93		-	-	-3.40	-1.70	30	Pass
HT40	MCS0	1	102	5510	0.16	0.18	14.86	14.68		-	-	-3.40	-1.70	30	Pass
HT40	MCS0	1	110	5550	0.16	0.18	16.92	17.22		-	-	-3.40	-1.70	30	Pass
HT40	MCS0	1	134	5670	0.16	0.18	17.49	16.94		-	-	-3.40	-1.70	30	Pass
HT40	MCS0	1	142	5710	0.16	0.18	17.49	16.95		-	-	-3.40	-1.70	30	Pass
VHT20	MCS0	1	100	5500	0.10	0.11	17.27	17.15		-	-	-3.40	-1.70	30	Pass
VHT20	MCS0	1	116	5580	0.10	0.11	17.28	17.13		-	-	-3.40	-1.70	30	Pass
VHT20	MCS0	1	140	5700	0.10	0.11	16.97	16.57		-	-	-3.40	-1.70	30	Pass
VHT20	MCS0	1	144	5720	0.10	0.11	17.06	16.51		-	-	-3.40	-1.70	30	Pass
VHT40	MCS0	1	102	5510	0.18	0.18	14.78	14.63		-	-	-3.40	-1.70	30	Pass
VHT40	MCS0	1	110	5550	0.18	0.18	16.54	17.19		-	-	-3.40	-1.70	30	Pass
VHT40	MCS0	1	134	5670	0.18	0.18	17.23	16.88		-	-	-3.40	-1.70	30	Pass
VHT40	MCS0	1	142	5710	0.18	0.18	17.47	16.94		-	-	-3.40	-1.70	30	Pass
VHT80	MCS0	1	106	5530	0.37	0.37	11.77	11.75		-	-	-3.40	-1.70	30	Pass
VHT80	MCS0	1	122	5610	0.37	0.37	17.14	17.06		-	-	-3.40	-1.70	30	Pass
VHT80	MCS0	1	138	5690	0.37	0.37	17.35	16.87		-	-	-3.40	-1.70	30	Pass
11a	6Mbps	2	100	5500	0.12	0.07	17.18	17.06	20.13	23.98		-1.70		30	Pass
11a	6Mbps	2	116	5580	0.12	0.07	17.08	16.98	20.04	23.98		-1.70		30	Pass
11a	6Mbps	2	140	5700	0.12	0.07	17.39	16.81	20.12	23.98		-1.70		30	Pass
11a	6Mbps	2	144	5720	0.12	0.07	17.33	16.73	20.05	23.37		-1.70		30	Pass
HT20	MCS0	2	100	5500	0.12	0.09	17.32	17.26	20.30	23.98		-1.70		30	Pass
HT20	MCS0	2	116	5580	0.12	0.09	17.40	17.29	20.35	23.98		-1.70		30	Pass
HT20	MCS0	2	140	5700	0.12	0.09	17.44	17.19	20.33	23.98		-1.70		30	Pass
HT20	MCS0	2	144	5720	0.12	0.09	17.45	17.19	20.33	23.55		-1.70		30	Pass
HT40	MCS0	2	102	5510	0.18	0.18	14.98	15.00	18.00	23.98		-1.70		30	Pass
HT40	MCS0	2	110	5550	0.18	0.18	17.26	17.23	20.26	23.98		-1.70		30	Pass
HT40	MCS0	2	134	5670	0.18	0.18	17.49	17.34	20.43	23.98		-1.70		30	Pass
HT40	MCS0	2	142	5710	0.18	0.18	17.48	17.35	20.43	23.98		-1.70		30	Pass
VHT20	MCS0	2	100	5500	0.12	0.13	17.30	17.23	20.27	23.98		-1.70		30	Pass
VHT20	MCS0	2	116	5580	0.12	0.13	17.39	17.24	20.32	23.98		-1.70		30	Pass
VHT20	MCS0	2	140	5700	0.12	0.13	17.19	16.80	20.01	23.98		-1.70		30	Pass
VHT20	MCS0	2	144	5720	0.12	0.13	17.26	16.71	20.00	23.98		-1.70		30	Pass
VHT40	MCS0	2	102	5510	0.16	0.19	14.89	14.92	17.91	23.98		-1.70		30	Pass
VHT40	MCS0	2	110	5550	0.16	0.19	17.03	17.20	20.12	23.98		-1.70		30	Pass
VHT40	MCS0	2	134	5670	0.16	0.19	17.49	17.14	20.33	23.98		-1.70		30	Pass
VHT40	MCS0	2	142	5710	0.16	0.19	17.50	17.27	20.39	23.98		-1.70		30	Pass
VHT80	MCS0	2	106	5530	0.37	0.36	11.99	11.91	14.96	23.98		-1.70		30	Pass
VHT80	MCS0	2	122	5610	0.37	0.36	17.33	17.12	20.24	23.98		-1.70		30	Pass
VHT80	MCS0	2	138	5690	0.37	0.36	17.48	16.93	20.23	23.98		-1.70		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	100	5500	0.12	0.07			8.93	11.00		0.50		Pass
11a	6Mbps	2	116	5580	0.12	0.07			9.35	11.00		0.50		Pass
11a	6Mbps	2	140	5700	0.12	0.07			8.93	11.00		0.50		Pass
11a	6Mbps	2	144	5720	0.12	0.07			9.24	11.00		0.50		Pass
HT20	MCS0	2	100	5500	0.12	0.09			9.03	11.00		0.50		Pass
HT20	MCS0	2	116	5580	0.12	0.09			9.33	11.00		0.50		Pass
HT20	MCS0	2	140	5700	0.12	0.09			8.83	11.00		0.50		Pass
HT20	MCS0	2	144	5720	0.12	0.09			8.77	11.00		0.50		Pass
HT40	MCS0	2	102	5510	0.18	0.18			4.31	11.00		0.50		Pass
HT40	MCS0	2	110	5550	0.18	0.18			5.77	11.00		0.50		Pass
HT40	MCS0	2	134	5670	0.18	0.18			6.39	11.00		0.50		Pass
HT40	MCS0	2	142	5710	0.18	0.18			6.23	11.00		0.50		Pass
VHT80	MCS0	2	106	5530	0.37	0.36			-1.97	11.00		0.50		Pass
VHT80	MCS0	2	122	5610	0.37	0.36			2.94	11.00		0.50		Pass
VHT80	MCS0	2	138	5690	0.37	0.36			2.94	11.00		0.50		Pass



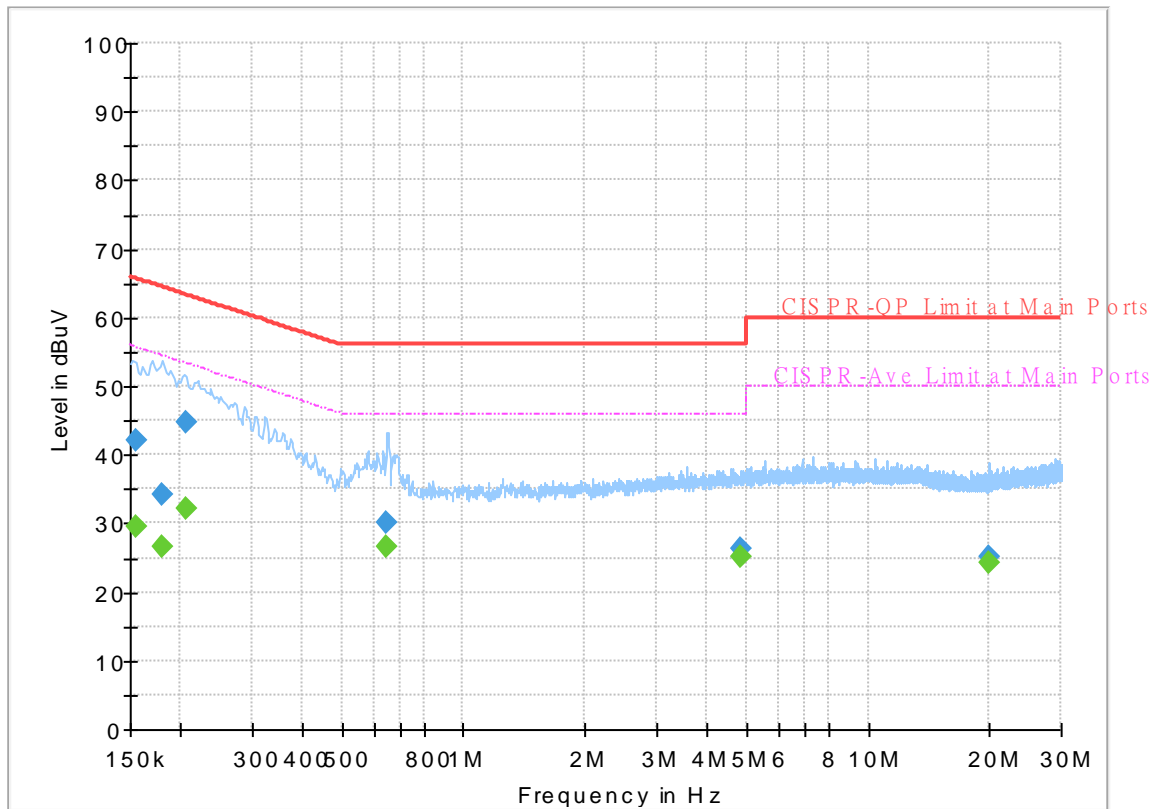
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Jimmy Chang	Temperature :	22~23°C
		Relative Humidity :	55~57%

EUT Information

Report NO : 891148-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



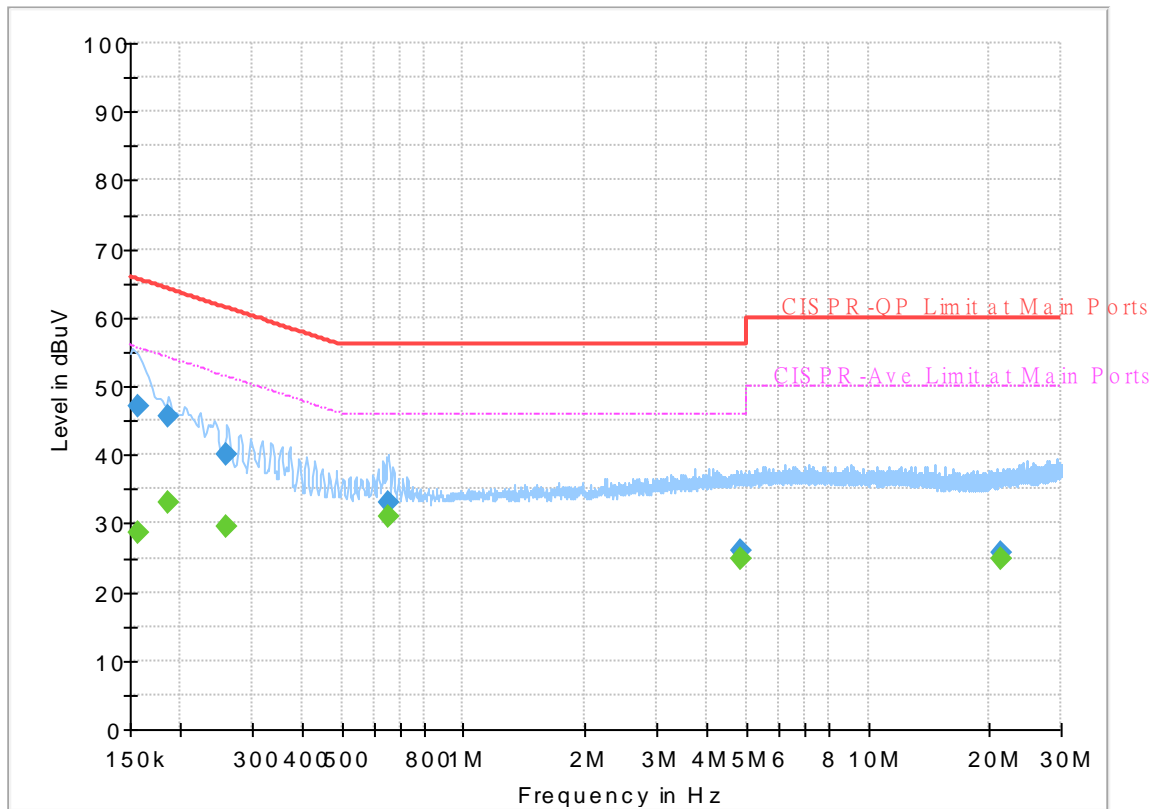
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	---	29.66	55.75	26.09	L1	OFF	19.5
0.154500	42.08	---	65.75	23.67	L1	OFF	19.5
0.179250	---	26.70	54.52	27.82	L1	OFF	19.5
0.179250	34.34	---	64.52	30.18	L1	OFF	19.5
0.206250	---	32.25	53.36	21.11	L1	OFF	19.5
0.206250	44.65	---	63.36	18.71	L1	OFF	19.5
0.647250	---	26.53	46.00	19.47	L1	OFF	19.6
0.647250	29.98	---	56.00	26.02	L1	OFF	19.6
4.863750	---	25.18	46.00	20.82	L1	OFF	19.7
4.863750	26.42	---	56.00	29.58	L1	OFF	19.7
19.925250	---	24.30	50.00	25.70	L1	OFF	20.3
19.925250	25.08	---	60.00	34.92	L1	OFF	20.3

EUT Information

Report NO : 891148-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	28.58	55.63	27.05	N	OFF	19.5
0.156750	47.08	---	65.63	18.55	N	OFF	19.5
0.186000	---	33.00	54.21	21.21	N	OFF	19.5
0.186000	45.53	---	64.21	18.68	N	OFF	19.5
0.260250	---	29.41	51.42	22.01	N	OFF	19.5
0.260250	40.09	---	61.42	21.33	N	OFF	19.5
0.651750	---	30.87	46.00	15.13	N	OFF	19.6
0.651750	32.99	---	56.00	23.01	N	OFF	19.6
4.823250	---	24.75	46.00	21.25	N	OFF	19.7
4.823250	25.90	---	56.00	30.10	N	OFF	19.7
21.293250	---	24.75	50.00	25.25	N	OFF	20.4
21.293250	25.83	---	60.00	34.17	N	OFF	20.4



Appendix C. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, and Troye Hsien	Temperature :	24~26 °C
		Relative Humidity :	50~51 %

<For Sample 1>

<Adapter 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 36 5180MHz		5147.94	53.46	-20.54	74	43.28	34.2	11.03	35.05	221	214	P	H	
		5149.24	45.73	-8.27	54	35.55	34.2	11.03	35.05	221	214	A	H	
	*	5180	110.72	-	-	100.61	34.13	11.03	35.05	221	214	P	H	
	*	5180	102.87	-	-	92.76	34.13	11.03	35.05	221	214	A	H	
													H	
													H	
			5150	56.83	-17.17	74	46.65	34.2	11.03	35.05	340	359	P	V
			5150	48.51	-5.49	54	38.33	34.2	11.03	35.05	340	359	A	V
	*		5180	114.45	-	-	104.34	34.13	11.03	35.05	340	359	P	V
	*		5180	106.63	-	-	96.52	34.13	11.03	35.05	340	359	A	V
														V
														V



802.11a CH 44 5220MHz		5147.94	49.18	-24.82	74	39	34.2	11.03	35.05	227	214	P	H
		5149.76	39.71	-14.29	54	29.53	34.2	11.03	35.05	227	214	A	H
	*	5220	111.58	-	-	101.4	34.13	11.1	35.05	227	214	P	H
	*	5220	104.48	-	-	94.3	34.13	11.1	35.05	227	214	A	H
		5395.04	47.94	-26.06	74	37.45	34.4	11.15	35.06	227	214	P	H
		5350	38.91	-15.09	54	28.42	34.4	11.14	35.05	227	214	A	H
		5130.26	48.41	-25.59	74	38.33	34.17	10.96	35.05	352	358	P	V
		5147.68	40.08	-13.92	54	29.9	34.2	11.03	35.05	352	358	A	V
	*	5220	113.55	-	-	103.37	34.13	11.1	35.05	352	358	P	V
	*	5220	106.26	-	-	96.08	34.13	11.1	35.05	352	358	A	V
		5439.28	48.27	-25.73	74	37.73	34.4	11.2	35.06	352	358	P	V
		5354.16	38.95	-15.05	54	28.46	34.4	11.14	35.05	352	358	A	V
802.11a CH 48 5240MHz		5106.6	48.99	-25.01	74	38.94	34.13	10.96	35.04	221	208	P	H
		5149.76	39.24	-14.76	54	29.06	34.2	11.03	35.05	221	208	A	H
	*	5240	111.13	-	-	100.9	34.17	11.11	35.05	221	208	P	H
	*	5240	104.04	-	-	93.81	34.17	11.11	35.05	221	208	A	H
		5443.76	48.4	-25.6	74	37.86	34.4	11.2	35.06	221	208	P	H
		5358.08	39.01	-14.99	54	28.52	34.4	11.14	35.05	221	208	A	H
		5104.26	49.25	-24.75	74	39.23	34.1	10.96	35.04	349	358	P	V
		5147.42	39.54	-14.46	54	29.36	34.2	11.03	35.05	349	358	A	V
	*	5240	113.78	-	-	103.55	34.17	11.11	35.05	349	358	P	V
	*	5240	106.21	-	-	95.98	34.17	11.11	35.05	349	358	A	V
		5363.12	48.08	-25.92	74	37.59	34.4	11.14	35.05	349	358	P	V
		5351.08	39.07	-14.93	54	28.58	34.4	11.14	35.05	349	358	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	48.12	-20.08	68.2	53.22	37.23	17	59.33	100	0	P	H
		15540	49.52	-24.48	74	45.76	39.83	20.52	56.59	100	0	P	H
													H
													H
		10360	47.26	-20.94	68.2	52.36	37.23	17	59.33	100	0	P	V
		15540	49.96	-24.04	74	46.2	39.83	20.52	56.59	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	48.74	-19.46	68.2	53.58	37.33	17.1	59.27	100	0	P	H
		15660	50.74	-23.26	74	46.89	39.85	20.57	56.57	100	0	P	H
													H
													H
		10440	48.23	-19.97	68.2	53.07	37.33	17.1	59.27	100	0	P	V
		15660	51.27	-22.73	74	47.42	39.85	20.57	56.57	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	48.24	-19.96	68.2	52.93	37.38	17.15	59.22	100	0	P	H
		15720	49.19	-24.81	74	45.29	39.85	20.61	56.56	100	0	P	H
													H
													H
		10480	47.4	-20.8	68.2	52.09	37.38	17.15	59.22	100	0	P	V
		15720	50.28	-23.72	74	46.38	39.85	20.61	56.56	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		5142.48	54.65	-19.35	74	44.47	34.2	11.03	35.05	221	214	P	H	
		5149.76	46.8	-7.2	54	36.62	34.2	11.03	35.05	221	214	A	H	
	*	5180	110.95	-	-	100.84	34.13	11.03	35.05	221	214	P	H	
	*	5180	103.36	-	-	93.25	34.13	11.03	35.05	221	214	A	H	
													H	
														H
			5150	60.64	-13.36	74	50.46	34.2	11.03	35.05	339	352	P	V
			5150	51.4	-2.6	54	41.22	34.2	11.03	35.05	339	352	A	V
		*	5180	113.85	-	-	103.74	34.13	11.03	35.05	339	352	P	V
		*	5180	105.76	-	-	95.65	34.13	11.03	35.05	339	352	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5098.28	49.3	-24.7	74	39.34	34.1	10.9	35.04	224	214	P	H	
		5148.46	40.81	-13.19	54	30.63	34.2	11.03	35.05	224	214	A	H	
	*	5220	112.25	-	-	102.07	34.13	11.1	35.05	224	214	P	H	
	*	5220	104.55	-	-	94.37	34.13	11.1	35.05	224	214	A	H	
			5430.04	49.19	-24.81	74	38.65	34.4	11.2	35.06	224	214	P	H
			5452.72	39.92	-14.08	54	29.38	34.4	11.2	35.06	224	214	A	H
			5135.72	49.85	-24.15	74	39.77	34.17	10.96	35.05	352	351	P	V
			5149.76	41.21	-12.79	54	31.03	34.2	11.03	35.05	352	351	A	V
		*	5220	113.56	-	-	103.38	34.13	11.1	35.05	352	351	P	V
		*	5220	105.48	-	-	95.3	34.13	11.1	35.05	352	351	A	V
		5370.4	48.72	-25.28	74	38.23	34.4	11.14	35.05	352	351	P	V	
		5372.36	39.96	-14.04	54	29.47	34.4	11.14	35.05	352	351	A	V	



802.11n HT20 CH 48 5240MHz		5115.7	48.89	-25.11	74	38.84	34.13	10.96	35.04	226	215	P	H
		5142.48	40.05	-13.95	54	29.87	34.2	11.03	35.05	226	215	A	H
	*	5240	110.84	-	-	100.61	34.17	11.11	35.05	226	215	P	H
	*	5240	102.86	-	-	92.63	34.17	11.11	35.05	226	215	A	H
		5353.6	49.01	-24.99	74	38.52	34.4	11.14	35.05	226	215	P	H
		5366.48	39.87	-14.13	54	29.38	34.4	11.14	35.05	226	215	A	H
		5132.6	49.39	-24.61	74	39.31	34.17	10.96	35.05	352	359	P	V
		5150	40.69	-13.31	54	30.51	34.2	11.03	35.05	352	359	A	V
	*	5240	114.24	-	-	104.01	34.17	11.11	35.05	352	359	P	V
	*	5240	106.02	-	-	95.79	34.17	11.11	35.05	352	359	A	V
		5378.24	49	-25	74	38.52	34.4	11.14	35.06	352	359	P	V
		5350.24	40.23	-13.77	54	29.74	34.4	11.14	35.05	352	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 36 5180MHz		10360	48.33	-19.87	68.2	53.43	37.23	17	59.33	100	0	P	H	
		15540	49.98	-24.02	74	46.22	39.83	20.52	56.59	100	0	P	H	
													H	
													H	
			10360	49.23	-18.97	68.2	54.33	37.23	17	59.33	100	0	P	V
			15540	49.66	-24.34	74	45.9	39.83	20.52	56.59	100	0	P	V
														V
802.11n HT20 CH 44 5220MHz		10440	49.61	-18.59	68.2	54.45	37.33	17.1	59.27	100	0	P	H	
		15660	49.99	-24.01	74	46.14	39.85	20.57	56.57	100	0	P	H	
													H	
													H	
			10440	50.88	-17.32	68.2	55.72	37.33	17.1	59.27	100	0	P	V
			15660	49.14	-24.86	74	45.29	39.85	20.57	56.57	100	0	P	V
														V
802.11n HT20 CH 48 5240MHz		10480	48.62	-19.58	68.2	53.31	37.38	17.15	59.22	100	0	P	H	
		15720	49.28	-24.72	74	45.38	39.85	20.61	56.56	100	0	P	H	
													H	
													H	
			10480	48.01	-20.19	68.2	52.7	37.38	17.15	59.22	100	0	P	V
			15720	49.36	-24.64	74	45.46	39.85	20.61	56.56	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5148.72	55.47	-18.53	74	45.29	34.2	11.03	35.05	228	214	P	H
		5149.76	48.05	-5.95	54	37.87	34.2	11.03	35.05	228	214	A	H
	*	5190	103.02	-	-	92.84	34.13	11.1	35.05	228	214	P	H
	*	5190	95.56	-	-	85.38	34.13	11.1	35.05	228	214	A	H
		5388.88	48.92	-25.08	74	38.43	34.4	11.15	35.06	228	214	P	H
		5411.28	40.56	-13.44	54	30.07	34.4	11.15	35.06	228	214	A	H
		5150	58.2	-15.8	74	48.02	34.2	11.03	35.05	336	351	P	V
		5150	52.41	-1.59	54	42.23	34.2	11.03	35.05	336	351	A	V
	*	5190	107.84	-	-	97.66	34.13	11.1	35.05	336	351	P	V
	*	5190	100.05	-	-	89.87	34.13	11.1	35.05	336	351	A	V
		5460	48.64	-25.36	74	38.1	34.4	11.2	35.06	336	351	P	V
		5350.8	40.45	-13.55	54	29.96	34.4	11.14	35.05	336	351	A	V
802.11n HT40 CH 46 5230MHz		5150	49.85	-24.15	74	39.67	34.2	11.03	35.05	124	208	P	H
		5150	42.78	-11.22	54	32.6	34.2	11.03	35.05	124	208	A	H
	*	5230	107.31	-	-	97.08	34.17	11.11	35.05	124	208	P	H
	*	5230	99.58	-	-	89.35	34.17	11.11	35.05	124	208	A	H
		5371.8	49.56	-24.44	74	39.07	34.4	11.14	35.05	124	208	P	H
		5351.08	40.98	-13.02	54	30.49	34.4	11.14	35.05	124	208	A	H
		5108.42	50.84	-23.16	74	40.79	34.13	10.96	35.04	336	344	P	V
		5136.24	42.39	-11.61	54	32.31	34.17	10.96	35.05	336	344	A	V
	*	5230	110.73	-	-	100.5	34.17	11.11	35.05	336	344	P	V
	*	5230	102.86	-	-	92.63	34.17	11.11	35.05	336	344	A	V
	5396.72	49.16	-24.84	74	38.67	34.4	11.15	35.06	336	344	P	V	
	5351.36	41.18	-12.82	54	30.69	34.4	11.14	35.05	336	344	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	46.46	-21.74	68.2	51.51	37.27	17	59.32	100	0	P	H
		15570	48.57	-25.43	74	44.75	39.87	20.54	56.59	100	0	P	H
													H
													H
		10380	47.91	-20.29	68.2	52.96	37.27	17	59.32	100	0	P	V
		15570	49.11	-24.89	74	45.29	39.87	20.54	56.59	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	47.8	-20.4	68.2	52.6	37.35	17.1	59.25	100	0	P	H
		15690	50.22	-23.78	74	46.37	39.82	20.59	56.56	100	0	P	H
													H
													H
		10460	48.04	-20.16	68.2	52.84	37.35	17.1	59.25	100	0	P	V
		15690	50.7	-23.3	74	46.85	39.82	20.59	56.56	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5148.46	57.2	-16.8	74	47.02	34.2	11.03	35.05	117	206	P	H
		5150	49.99	-4.01	54	39.81	34.2	11.03	35.05	117	206	A	H
	*	5210	99.59	-	-	89.41	34.13	11.1	35.05	117	206	P	H
	*	5210	92.01	-	-	81.83	34.13	11.1	35.05	117	206	A	H
		5437.88	48.72	-25.28	74	38.18	34.4	11.2	35.06	117	206	P	H
		5370.12	41.29	-12.71	54	30.8	34.4	11.14	35.05	117	206	A	H
		5143.52	58.34	-15.66	74	48.16	34.2	11.03	35.05	343	344	P	V
		5145.6	51.21	-2.79	54	41.03	34.2	11.03	35.05	343	344	A	V
	*	5210	102.16	-	-	91.98	34.13	11.1	35.05	343	344	P	V
	*	5210	94.64	-	-	84.46	34.13	11.1	35.05	343	344	A	V
		5409.32	50.46	-23.54	74	39.97	34.4	11.15	35.06	343	344	P	V
	5352.2	40.79	-13.21	54	30.3	34.4	11.14	35.05	343	344	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	47.66	-20.54	68.2	52.57	37.32	17.05	59.28	100	0	P	H	
		15630	50.51	-23.49	74	46.64	39.87	20.57	56.57	100	0	P	H	
													H	
													H	
			10420	47.62	-20.58	68.2	52.53	37.32	17.05	59.28	100	0	P	V
			15630	49.99	-24.01	74	46.12	39.87	20.57	56.57	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5135.1	49.38	-24.62	74	39.3	34.17	10.96	35.05	132	207	P	H
		5137.55	39.94	-14.06	54	29.86	34.17	10.96	35.05	132	207	A	H
	*	5260	110.78	-	-	100.49	34.23	11.11	35.05	132	207	P	H
	*	5260	103.3	-	-	93.01	34.23	11.11	35.05	132	207	A	H
		5454.96	49.34	-24.66	74	38.8	34.4	11.2	35.06	132	207	P	H
		5351.04	40.11	-13.89	54	29.62	34.4	11.14	35.05	132	207	A	H
		5143.85	49.41	-24.59	74	39.23	34.2	11.03	35.05	353	0	P	V
		5143.15	40.03	-13.97	54	29.85	34.2	11.03	35.05	353	0	A	V
	*	5260	112.63	-	-	102.34	34.23	11.11	35.05	353	0	P	V
	*	5260	104.88	-	-	94.59	34.23	11.11	35.05	353	0	A	V
		5359.2	48.82	-25.18	74	38.33	34.4	11.14	35.05	353	0	P	V
		5390.16	39.9	-14.1	54	29.41	34.4	11.15	35.06	353	0	A	V
802.11a CH 60 5300MHz		5135.8	48.94	-25.06	74	38.86	34.17	10.96	35.05	130	207	P	H
		5148.4	39.68	-14.32	54	29.5	34.2	11.03	35.05	130	207	A	H
	*	5300	109.91	-	-	99.54	34.3	11.12	35.05	130	207	P	H
	*	5300	102.28	-	-	91.91	34.3	11.12	35.05	130	207	A	H
		5365.68	50.64	-23.36	74	40.15	34.4	11.14	35.05	130	207	P	H
		5350.8	41.74	-12.26	54	31.25	34.4	11.14	35.05	130	207	A	H
		5072.8	49.12	-24.88	74	39.19	34.07	10.9	35.04	364	357	P	V
		5126	39.95	-14.05	54	29.87	34.17	10.96	35.05	364	357	A	V
	*	5300	112.06	-	-	101.69	34.3	11.12	35.05	364	357	P	V
	*	5300	104.59	-	-	94.22	34.3	11.12	35.05	364	357	A	V
		5377.92	49.98	-24.02	74	39.5	34.4	11.14	35.06	364	357	P	V
		5350.56	40.84	-13.16	54	30.35	34.4	11.14	35.05	364	357	A	V



802.11a CH 64 5320MHz	*	5320	110.14	-	-	99.73	34.33	11.13	35.05	119	207	P	H
	*	5320	102.37	-	-	91.96	34.33	11.13	35.05	119	207	A	H
		5353.92	51.42	-22.58	74	40.93	34.4	11.14	35.05	119	207	P	H
		5352.48	43.55	-10.45	54	33.06	34.4	11.14	35.05	119	207	A	H
													H
													H
	*	5320	111.81	-	-	101.4	34.33	11.13	35.05	381	357	P	V
	*	5320	104.51	-	-	94.1	34.33	11.13	35.05	381	357	A	V
		5350.72	52.8	-21.2	74	42.31	34.4	11.14	35.05	381	357	P	V
		5350.56	44.65	-9.35	54	34.16	34.4	11.14	35.05	381	357	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 52 5260MHz		10520	50.63	-17.57	68.2	55.18	37.43	17.2	59.18	100	0	P	H	
		15780	49.66	-24.34	74	45.58	40	20.62	56.54	100	0	P	H	
													H	
													H	
			10520	50.13	-18.07	68.2	54.68	37.43	17.2	59.18	100	0	P	V
			15780	50.41	-23.59	74	46.33	40	20.62	56.54	100	0	P	V
														V
														V
802.11a CH 60 5300MHz		10600	48.81	-25.19	74	52.96	37.6	17.31	59.06	100	0	P	H	
		15900	50.69	-23.31	74	46.13	40.4	20.68	56.52	100	0	P	H	
													H	
													H	
			10600	49.76	-24.24	74	53.91	37.6	17.31	59.06	100	0	P	V
			15900	50.48	-23.52	74	45.92	40.4	20.68	56.52	100	0	P	V
														V
														V
802.11a CH 64 5320MHz		10640	49.18	-24.82	74	53.23	37.6	17.36	59.01	100	0	P	H	
		15960	50.29	-23.71	74	45.76	40.33	20.71	56.51	100	0	P	H	
													H	
													H	
			10640	50.4	-23.6	74	54.45	37.6	17.36	59.01	100	0	P	V
			15960	49.93	-24.07	74	45.4	40.33	20.71	56.51	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5131.6	49.71	-24.29	74	39.63	34.17	10.96	35.05	273	215	P	H
		5141.4	39.84	-14.16	54	29.66	34.2	11.03	35.05	273	215	A	H
	*	5260	110.53	-	-	100.24	34.23	11.11	35.05	273	215	P	H
	*	5260	102.98	-	-	92.69	34.23	11.11	35.05	273	215	A	H
		5414.16	48.79	-25.21	74	38.3	34.4	11.15	35.06	273	215	P	H
		5350.32	40.2	-13.8	54	29.71	34.4	11.14	35.05	273	215	A	H
		5050.4	48.76	-25.24	74	38.97	34	10.83	35.04	347	298	P	V
		5149.1	40.12	-13.88	54	29.94	34.2	11.03	35.05	347	298	A	V
	*	5260	112.65	-	-	102.36	34.23	11.11	35.05	347	298	P	V
	*	5260	104.98	-	-	94.69	34.23	11.11	35.05	347	298	A	V
		5418.24	49.99	-24.01	74	39.5	34.4	11.15	35.06	347	298	P	V
		5352	39.83	-14.17	54	29.34	34.4	11.14	35.05	347	298	A	V
802.11n HT20 CH 60 5300MHz		5074.2	49.28	-24.72	74	39.35	34.07	10.9	35.04	274	217	P	H
		5145.25	39.9	-14.1	54	29.72	34.2	11.03	35.05	274	217	A	H
	*	5300	110.56	-	-	100.19	34.3	11.12	35.05	274	217	P	H
	*	5300	92.82	-	-	82.45	34.3	11.12	35.05	274	217	A	H
		5360.64	49.98	-24.02	74	39.49	34.4	11.14	35.05	274	217	P	H
		5350.32	41.78	-12.22	54	31.29	34.4	11.14	35.05	274	217	A	H
		5024.5	49.1	-24.9	74	39.28	34.03	10.83	35.04	364	349	P	V
		5142.45	39.84	-14.16	54	29.66	34.2	11.03	35.05	364	349	A	V
	*	5300	112.23	-	-	101.86	34.3	11.12	35.05	364	349	P	V
	*	5300	104.29	-	-	93.92	34.3	11.12	35.05	364	349	A	V
	5385.12	49.85	-24.15	74	39.36	34.4	11.15	35.06	364	349	P	V	
	5350.56	40.72	-13.28	54	30.23	34.4	11.14	35.05	364	349	A	V	



802.11n HT20 CH 64 5320MHz	*	5320	110.92	-	-	100.51	34.33	11.13	35.05	270	217	P	H
	*	5320	103.34	-	-	92.93	34.33	11.13	35.05	270	217	A	H
		5351.68	52.7	-21.3	74	42.21	34.4	11.14	35.05	270	217	P	H
		5350.88	44.02	-9.98	54	33.53	34.4	11.14	35.05	270	217	A	H
													H
													H
	*	5320	113.19	-	-	102.78	34.33	11.13	35.05	400	355	P	V
	*	5320	105.11	-	-	94.7	34.33	11.13	35.05	400	355	A	V
		5362.24	52.52	-21.48	74	42.03	34.4	11.14	35.05	400	355	P	V
		5350.08	43.85	-10.15	54	33.36	34.4	11.14	35.05	400	355	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	47.66	-20.54	68.2	52.21	37.43	17.2	59.18	100	0	P	H
		15780	49.7	-24.3	74	45.62	40	20.62	56.54	100	0	P	H
													H
													H
		10520	46.74	-21.46	68.2	51.29	37.43	17.2	59.18	100	0	P	V
		15780	49.82	-24.18	74	45.74	40	20.62	56.54	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	50.04	-23.96	74	54.19	37.6	17.31	59.06	100	0	P	H
		15900	49.89	-24.11	74	45.33	40.4	20.68	56.52	100	0	P	H
													H
													H
		10600	52.21	-21.79	74	56.36	37.6	17.31	59.06	268	15	P	V
		10600	42.72	-11.28	54	46.87	37.6	17.31	59.06	268	15	A	V
		15900	50.18	-23.82	74	45.62	40.4	20.68	56.52	100	0	P	V
													V
802.11n HT20 CH 64 5320MHz		10640	49.98	-24.02	74	54.03	37.6	17.36	59.01	100	0	P	H
		15960	49.99	-24.01	74	45.46	40.33	20.71	56.51	100	0	P	H
													H
													H
		10640	55.66	-18.34	74	59.71	37.6	17.36	59.01	260	16	P	V
		10640	41.91	-12.09	54	45.96	37.6	17.36	59.01	260	16	A	V
		15960	49.33	-24.67	74	44.8	40.33	20.71	56.51	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5134.05	49.55	-24.45	74	39.47	34.17	10.96	35.05	224	215	P	H
		5138.6	41.03	-12.97	54	30.95	34.17	10.96	35.05	224	215	A	H
	*	5270	108.29	-	-	97.99	34.23	11.12	35.05	224	215	P	H
	*	5270	100.06	-	-	89.76	34.23	11.12	35.05	224	215	A	H
		5350.08	51.21	-22.79	74	40.72	34.4	11.14	35.05	224	215	P	H
		5350.08	44.24	-9.76	54	33.75	34.4	11.14	35.05	224	215	A	H
		5128.45	49.29	-24.71	74	39.21	34.17	10.96	35.05	333	345	P	V
		5129.5	41.31	-12.69	54	31.23	34.17	10.96	35.05	333	345	A	V
	*	5270	111.09	-	-	100.79	34.23	11.12	35.05	333	345	P	V
	*	5270	103.31	-	-	93.01	34.23	11.12	35.05	333	345	A	V
		5350.32	50.94	-23.06	74	40.45	34.4	11.14	35.05	333	345	P	V
		5350.08	43.06	-10.94	54	32.57	34.4	11.14	35.05	333	345	A	V
802.11n HT40 CH 62 5310MHz		5127.05	49.35	-24.65	74	39.27	34.17	10.96	35.05	232	214	P	H
		5147.35	40.6	-13.4	54	30.42	34.2	11.03	35.05	232	214	A	H
	*	5310	105.56	-	-	95.15	34.33	11.13	35.05	232	214	P	H
	*	5310	98.93	-	-	88.52	34.33	11.13	35.05	232	214	A	H
		5352.72	55.93	-18.07	74	45.44	34.4	11.14	35.05	232	214	P	H
		5350.08	50.05	-3.95	54	39.56	34.4	11.14	35.05	232	214	A	H
		5070.35	48.77	-25.23	74	38.88	34.03	10.9	35.04	361	349	P	V
		5135.8	40.74	-13.26	54	30.66	34.17	10.96	35.05	361	349	A	V
	*	5310	106.68	-	-	96.27	34.33	11.13	35.05	361	349	P	V
	*	5310	98.97	-	-	88.56	34.33	11.13	35.05	361	349	A	V
	5350.56	58.03	-15.97	74	47.54	34.4	11.14	35.05	361	349	P	V	
	5350.08	51.48	-2.52	54	40.99	34.4	11.14	35.05	361	349	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 54 5270MHz		10540	48.09	-20.11	68.2	52.57	37.47	17.2	59.15	100	0	P	H	
		15810	49.89	-24.11	74	45.69	40.1	20.64	56.54	100	0	P	H	
													H	
													H	
			10540	50.06	-18.14	68.2	54.54	37.47	17.2	59.15	100	0	P	V
			15810	50.6	-23.4	74	46.4	40.1	20.64	56.54	100	0	P	V
														V
802.11n HT40 CH 62 5310MHz		10620	49.18	-24.82	74	53.3	37.6	17.31	59.03	100	0	P	H	
		15930	49.83	-24.17	74	45.27	40.37	20.7	56.51	100	0	P	H	
													H	
													H	
			10620	48.9	-25.1	74	53.02	37.6	17.31	59.03	100	0	P	V
			15930	49.15	-24.85	74	44.59	40.37	20.7	56.51	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5092.05	48.77	-25.23	74	38.81	34.1	10.9	35.04	217	208	P	H
		5129.85	41.38	-12.62	54	31.3	34.17	10.96	35.05	217	208	A	H
	*	5290	99.64	-	-	89.3	34.27	11.12	35.05	217	208	P	H
	*	5290	92.17	-	-	81.83	34.27	11.12	35.05	217	208	A	H
		5364.48	52.77	-21.23	74	42.28	34.4	11.14	35.05	217	208	P	H
		5361.36	45.92	-8.08	54	35.43	34.4	11.14	35.05	217	208	A	H
		5143.5	49.99	-24.01	74	39.81	34.2	11.03	35.05	294	327	P	V
		5130.2	41.91	-12.09	54	31.83	34.17	10.96	35.05	294	327	A	V
	*	5290	102.8	-	-	92.46	34.27	11.12	35.05	294	327	P	V
	*	5290	95.55	-	-	85.21	34.27	11.12	35.05	294	327	A	V
		5364	57.48	-16.52	74	46.99	34.4	11.14	35.05	294	327	P	V
	5350.32	51.86	-2.14	54	41.37	34.4	11.14	35.05	294	327	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	48.17	-20.03	68.2	52.42	37.57	17.26	59.08	100	0	P	H	
		15870	49.9	-24.1	74	45.4	40.34	20.68	56.52	100	0	P	H	
													H	
													H	
			10580	47.3	-20.9	68.2	51.55	37.57	17.26	59.08	100	0	P	V
			15870	49.18	-24.82	74	44.68	40.34	20.68	56.52	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	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 100 5500MHz		5454.64	50.48	-23.52	74	39.94	34.4	11.2	35.06	231	216	P	H	
		5468.08	58.09	-10.11	68.2	47.5	34.4	11.25	35.06	231	216	P	H	
		5458.64	42.25	-11.75	54	31.71	34.4	11.2	35.06	231	216	A	H	
	*	5500	109.33	-	-	98.74	34.4	11.25	35.06	231	216	P	H	
	*	5500	101.99	-	-	91.4	34.4	11.25	35.06	231	216	A	H	
														H
			5458.64	51.48	-22.52	74	40.94	34.4	11.2	35.06	312	310	P	V
			5469.52	63.44	-4.76	68.2	52.85	34.4	11.25	35.06	312	310	P	V
			5459.6	43.58	-10.42	54	33.04	34.4	11.2	35.06	312	310	A	V
	*		5500	112.84	-	-	102.25	34.4	11.25	35.06	312	310	P	V
	*		5500	104.61	-	-	94.02	34.4	11.25	35.06	312	310	A	V
														V
802.11a CH 116 5580MHz		5409.52	48.17	-25.83	74	37.68	34.4	11.15	35.06	219	199	P	H	
		5462.32	47.75	-20.45	68.2	37.16	34.4	11.25	35.06	219	199	P	H	
		5452.48	39.51	-14.49	54	28.97	34.4	11.2	35.06	219	199	A	H	
	*	5580	111.31	-	-	100.54	34.5	11.35	35.08	219	199	P	H	
	*	5580	103.68	-	-	92.91	34.5	11.35	35.08	219	199	A	H	
			5739.17	48.9	-19.3	68.2	37.9	34.6	11.5	35.1	219	199	P	H
			5365.84	48.21	-25.79	74	37.72	34.4	11.14	35.05	319	322	P	V
			5463.28	48.47	-19.73	68.2	37.88	34.4	11.25	35.06	319	322	P	V
			5452.72	39.52	-14.48	54	28.98	34.4	11.2	35.06	319	322	A	V
	*		5580	113.45	-	-	102.68	34.5	11.35	35.08	319	322	P	V
	*		5580	105.91	-	-	95.14	34.5	11.35	35.08	319	322	A	V
			5759.645	50.5	-17.7	68.2	39.4	34.67	11.53	35.1	319	322	P	V



802.11a CH 140 5700MHz	*	5700	111.63	-	-	100.76	34.5	11.46	35.09	217	186	P	H
	*	5700	104.52	-	-	93.65	34.5	11.46	35.09	217	186	A	H
		5725	62.03	-6.17	68.2	51.06	34.57	11.5	35.1	217	186	P	H
													H
													H
													H
	*	5700	112.89	-	-	102.02	34.5	11.46	35.09	326	359	P	V
	*	5700	105.48	-	-	94.61	34.5	11.46	35.09	326	359	A	V
		5725.24	62.7	-5.5	68.2	51.73	34.57	11.5	35.1	326	359	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 100 5500MHz		11000	49.81	-24.19	74	52.7	37.8	17.81	58.5	100	0	P	H	
		16500	49.86	-18.34	68.2	43.51	41.4	21.15	56.2	100	0	P	H	
													H	
													H	
			11000	49.27	-24.73	74	52.16	37.8	17.81	58.5	100	0	P	V
			16500	49.99	-18.21	68.2	43.64	41.4	21.15	56.2	100	0	P	V
														V
														V
802.11a CH 116 5580MHz		11160	54.6	-19.4	74	56.85	37.83	18.02	58.1	220	350	P	H	
		11160	47.7	-6.3	54	49.95	37.83	18.02	58.1	220	350	A	H	
		16740	50.1	-18.1	68.2	43.05	41.7	21.36	56.01			P	H	
													H	
			11160	53.99	-20.01	74	56.24	37.83	18.02	58.1	215	15	P	V
			11160	46.3	-7.7	54	48.55	37.83	18.02	58.1	215	15	A	V
			16740	52.45	-15.75	68.2	45.4	41.7	21.36	56.01	100	0	P	V
														V
802.11a CH 140 5700MHz		11400	52.18	-21.82	74	53.49	37.9	18.33	57.54			P	H	
		11400	44.99	-9.01	54	46.3	37.9	18.33	57.54	183	352	A	H	
		17100	52.46	-15.74	68.2	45.57	41	21.67	55.78	100	0	P	H	
													H	
			11400	50.26	-23.74	74	51.57	37.9	18.33	57.54	100	0	P	V
			17100	51.59	-16.61	68.2	44.7	41	21.67	55.78	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 - 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 100 5500MHz		5459.44	53.31	-20.69	74	42.77	34.4	11.2	35.06	261	200	P	H	
		5470	61.39	-6.81	68.2	50.8	34.4	11.25	35.06	261	200	P	H	
		5459.76	44.79	-9.21	54	34.25	34.4	11.2	35.06	261	200	A	H	
	*	5500	110.64	-	-	100.05	34.4	11.25	35.06	261	200	P	H	
	*	5500	102.81	-	-	92.22	34.4	11.25	35.06	261	200	A	H	
														H
			5459.9	53.13	-20.87	74	42.59	34.4	11.2	35.06	384	312	P	V
			5464.56	58.69	-9.51	68.2	48.1	34.4	11.25	35.06	384	312	P	V
			5460	45.58	-8.42	54	35.04	34.4	11.2	35.06	384	312	A	V
	*		5500	113.71	-	-	103.12	34.4	11.25	35.06	384	312	P	V
	*		5500	105.85	-	-	95.26	34.4	11.25	35.06	384	312	A	V
													V	
802.11n HT20 CH 116 5580MHz		5450.08	48.01	-25.99	74	37.47	34.4	11.2	35.06	285	208	P	H	
		5461.84	47.04	-21.16	68.2	36.45	34.4	11.25	35.06	285	208	P	H	
		5457.52	39.45	-14.55	54	28.91	34.4	11.2	35.06	285	208	A	H	
	*	5580	110.16	-	-	99.39	34.5	11.35	35.08	285	208	P	H	
	*	5580	102.8	-	-	92.03	34.5	11.35	35.08	285	208	A	H	
			5745.47	48.89	-19.31	68.2	37.86	34.6	11.53	35.1	285	208	P	H
			5378.56	48.05	-25.95	74	37.57	34.4	11.14	35.06	337	328	P	V
			5461.84	48.32	-19.88	68.2	37.73	34.4	11.25	35.06	337	328	P	V
			5450.32	39.65	-14.35	54	29.11	34.4	11.2	35.06	337	328	A	V
	*		5580	114.2	-	-	103.43	34.5	11.35	35.08	337	328	P	V
	*		5580	106.6	-	-	95.83	34.5	11.35	35.08	337	328	A	V
		5759.96	51.22	-16.98	68.2	40.12	34.67	11.53	35.1	337	328	P	V	



802.11n HT20 CH 140 5700MHz	*	5700	110.15	-	-	99.28	34.5	11.46	35.09	100	202	P	H
	*	5700	102.34	-	-	91.47	34.5	11.46	35.09	100	202	A	H
		5725.08	65.44	-2.76	68.2	54.47	34.57	11.5	35.1	100	208	P	H
													H
													H
													H
	*	5700	113.87	-	-	103	34.5	11.46	35.09	328	329	P	V
	*	5700	106.6	-	-	95.73	34.5	11.46	35.09	328	329	A	V
		5725	64.86	-3.34	68.2	53.89	34.57	11.5	35.1	328	329	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	52.97	-21.03	74	55.86	37.8	17.81	58.5	240	350	P	H
		11000	44.25	-9.75	54	47.14	37.8	17.81	58.5	240	350	A	H
		16650	52.16	-16.04	68.2	45.26	41.7	21.28	56.08	100	0	P	H
													H
		11000	53.74	-20.26	74	56.63	37.8	17.81	58.5	252	15	P	V
		11000	45.37	-8.63	54	48.26	37.8	17.81	58.5	252	15	A	V
		16650	52.54	-15.66	68.2	45.64	41.7	21.28	56.08	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	56.19	-17.81	74	58.44	37.83	18.02	58.1	260	351	P	H
		11160	46.59	-7.41	54	48.84	37.83	18.02	58.1	260	351	A	H
		16740	52.68	-15.52	68.2	45.63	41.7	21.36	56.01	100	0	P	H
													H
		11160	55.66	-18.34	74	57.91	37.83	18.02	58.1	215	15	P	V
		11160	46.29	-7.71	54	48.54	37.83	18.02	58.1	215	15	A	V
		16740	52.54	-15.66	68.2	45.49	41.7	21.36	56.01	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	51.31	-22.69	74	52.62	37.9	18.33	57.54	285	350	P	H
		11400	42.48	-11.52	54	43.79	37.9	18.33	57.54	285	350	A	H
		17100	51.04	-17.16	68.2	44.15	41	21.67	55.78	100	0	P	H
													H
		11400	49.99	-24.01	74	51.3	37.9	18.33	57.54	100	0	P	V
		17100	51.83	-16.37	68.2	44.94	41	21.67	55.78	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5459.92	54.49	-19.51	74	43.95	34.4	11.2	35.06	242	222	P	H
		5467.84	63.59	-4.61	68.2	53	34.4	11.25	35.06	242	222	P	H
		5459.92	47.29	-6.71	54	36.75	34.4	11.2	35.06	242	222	A	H
	*	5510	106.13	-	-	95.49	34.4	11.3	35.06	242	222	P	H
	*	5510	98.55	-	-	87.91	34.4	11.3	35.06	242	222	A	H
		5759.96	50.03	-18.17	68.2	38.93	34.67	11.53	35.1	242	222	P	H
		5459.92	58.27	-15.73	74	47.73	34.4	11.2	35.06	303	305	P	V
		5468.08	66.61	-1.59	68.2	56.02	34.4	11.25	35.06	303	305	P	V
		5459.92	50.05	-3.95	54	39.51	34.4	11.2	35.06	303	305	A	V
	*	5510	108.75	-	-	98.11	34.4	11.3	35.06	303	305	P	V
	*	5510	101.08	-	-	90.44	34.4	11.3	35.06	303	305	A	V
		5760.275	50.81	-17.39	68.2	39.71	34.67	11.53	35.1	303	305	P	V
802.11n HT40 CH 110 5550MHz		5365.84	48.91	-25.09	74	38.42	34.4	11.14	35.05	236	198	P	H
		5465.92	51.14	-17.06	68.2	40.55	34.4	11.25	35.06	236	198	P	H
		5458.72	41.68	-12.32	54	31.14	34.4	11.2	35.06	236	198	A	H
	*	5550	108.29	-	-	97.51	34.5	11.35	35.07	236	198	P	H
	*	5550	100.7	-	-	89.92	34.5	11.35	35.07	236	198	A	H
		5748.935	49.66	-18.54	68.2	38.63	34.6	11.53	35.1	236	198	P	H
		5458.72	49.95	-24.05	74	39.41	34.4	11.2	35.06	377	331	P	V
		5469.28	51.05	-17.15	68.2	40.46	34.4	11.25	35.06	377	331	P	V
		5452	42.02	-11.98	54	31.48	34.4	11.2	35.06	377	331	A	V
	*	5550	110.21	-	-	99.43	34.5	11.35	35.07	377	331	P	V
	*	5550	102.46	-	-	91.68	34.5	11.35	35.07	377	331	A	V
		5736.02	50.11	-18.09	68.2	39.11	34.6	11.5	35.1	377	331	P	V



802.11n HT40 CH 134 5670MHz		5453.95	48.61	-25.39	74	38.07	34.4	11.2	35.06	186	199	P	H
		5467.25	46.77	-21.43	68.2	36.18	34.4	11.25	35.06	186	199	P	H
		5442.75	39.89	-14.11	54	29.35	34.4	11.2	35.06	186	199	A	H
	*	5670	107.78	-	-	96.91	34.5	11.46	35.09	186	199	P	H
	*	5670	100.33	-	-	89.46	34.5	11.46	35.09	186	199	A	H
		5727.2	53.74	-14.46	68.2	42.77	34.57	11.5	35.1	186	199	P	H
		5450.45	48.84	-25.16	74	38.3	34.4	11.2	35.06	380	326	P	V
		5460	46.36	-21.84	68.2	35.82	34.4	11.2	35.06	380	326	P	V
		5406	40.16	-13.84	54	29.67	34.4	11.15	35.06	380	326	A	V
	*	5670	109.29	-	-	98.42	34.5	11.46	35.09	380	326	P	V
	*	5670	102.04	-	-	91.17	34.5	11.46	35.09	380	326	A	V
		5728.6	52.51	-15.69	68.2	41.54	34.57	11.5	35.1	380	326	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 102 5510MHz		11020	48.84	-25.16	74	51.67	37.82	17.81	58.46	100	0	P	H	
		16530	51.63	-16.57	68.2	45.12	41.5	21.18	56.17	100	0	P	H	
													H	
													H	
			11020	49.55	-24.45	74	52.38	37.82	17.81	58.46	100	0	P	V
			16530	52.27	-15.93	68.2	45.76	41.5	21.18	56.17	100	0	P	V
														V
802.11n HT40 CH 110 5550MHz		11100	54.01	-19.99	74	56.45	37.9	17.92	58.26	105	356	P	H	
		11100	45.01	-8.99	54	47.45	37.9	17.92	58.26	105	356	A	H	
		16650	52.09	-16.11	68.2	45.19	41.7	21.28	56.08	100	0	P	H	
													H	
			11100	52.88	-21.12	74	55.32	37.9	17.92	58.26	228	360	P	V
			11100	44.38	-9.62	54	46.82	37.9	17.92	58.26	228	360	A	V
			16650	52.94	-15.26	68.2	46.04	41.7	21.28	56.08	100	0	P	V
802.11n HT40 CH 134 5670MHz		11340	48.49	-25.51	74	50.06	37.9	18.23	57.7	100	0	P	H	
		17010	52.36	-15.84	68.2	45.23	41.33	21.6	55.8	100	0	P	H	
													H	
													H	
			11340	48.44	-25.56	74	50.01	37.9	18.23	57.7	100	0	P	V
			17010	52.14	-16.06	68.2	45.01	41.33	21.6	55.8	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5456.32	55.72	-18.28	74	45.18	34.4	11.2	35.06	150	201	P	H
		5466.16	57.68	-10.52	68.2	47.09	34.4	11.25	35.06	150	201	P	H
		5457.76	49.32	-4.68	54	38.78	34.4	11.2	35.06	150	201	A	H
	*	5530	99.16	-	-	88.5	34.43	11.3	35.07	150	201	P	H
	*	5530	91.56	-	-	80.9	34.43	11.3	35.07	150	201	A	H
		5765	50.23	-17.97	68.2	39.13	34.67	11.53	35.1	150	201	P	H
		5459.92	57.58	-16.42	74	47.04	34.4	11.2	35.06	346	339	P	V
		5464	59.77	-8.43	68.2	49.18	34.4	11.25	35.06	346	339	P	V
		5459.92	50.98	-3.02	54	40.44	34.4	11.2	35.06	346	339	A	V
	*	5530	102.38	-	-	91.72	34.43	11.3	35.07	346	339	P	V
	*	5530	94.48	-	-	83.82	34.43	11.3	35.07	346	339	A	V
		5736.335	50.41	-17.79	68.2	39.41	34.6	11.5	35.1	346	339	P	V
802.11ac VHT80 CH 122 5610MHz		5451.15	49.87	-24.13	74	39.33	34.4	11.2	35.06	208	196	P	H
		5461.65	49.54	-18.66	68.2	38.95	34.4	11.25	35.06	208	196	P	H
		5449.75	41.88	-12.12	54	31.34	34.4	11.2	35.06	208	196	A	H
	*	5610	105.84	-	-	95.02	34.5	11.4	35.08	208	196	P	H
	*	5610	98.14	-	-	87.32	34.5	11.4	35.08	208	196	A	H
		5726.85	53.72	-14.48	68.2	42.75	34.57	11.5	35.1	208	196	P	H
		5452.2	49.33	-24.67	74	38.79	34.4	11.2	35.06	386	324	P	V
		5469.35	50.22	-17.98	68.2	39.63	34.4	11.25	35.06	386	324	P	V
		5450.1	42.13	-11.87	54	31.59	34.4	11.2	35.06	386	324	A	V
	*	5610	107.91	-	-	97.09	34.5	11.4	35.08	386	324	P	V
	*	5610	100.15	-	-	89.33	34.5	11.4	35.08	386	324	A	V
		5727.025	54.38	-13.82	68.2	43.41	34.57	11.5	35.1	386	324	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11060	49.26	-24.74	74	51.86	37.87	17.87	58.34	100	0	P	H	
		16590	51.86	-16.34	68.2	45.09	41.65	21.25	56.13	100	0	P	H	
													H	
													H	
			11059	48.94	-25.06	74	51.54	37.87	17.87	58.34	100	0	P	V
			16590	52.52	-15.68	68.2	45.75	41.65	21.25	56.13	100	0	P	V
														V
802.11ac VHT80 CH 122 5610MHz		11220	51.73	-22.27	74	53.82	37.82	18.07	57.98	100	0	P	H	
		16830	52.63	-15.57	68.2	45.45	41.67	21.45	55.94	100	0	P	H	
													H	
													H	
			11220	51.63	-22.37	74	53.72	37.82	18.07	57.98	100	0	P	V
			16830	51.74	-16.46	68.2	44.56	41.67	21.45	55.94	100	0	P	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	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11a CH 144 5720MHz	*	5720	112.05	-	-	101.08	34.57	11.5	35.1	241	189	P	H	
	*	5720	104.38	-	-	93.41	34.57	11.5	35.1	241	189	A	H	
													H	
													H	
													H	
	*	5720	113.08	-	-	102.11	34.57	11.5	35.1	318	336	P	V	
	*	5720	105.5	-	-	94.53	34.57	11.5	35.1	318	336	A	V	
														V
														V
														V
														V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11a CH 144 5720MHz		11440	55.24	-18.76	74	56.39	37.93	18.38	57.46	132	348	P	H	
		11440	46.82	-7.18	54	47.97	37.93	18.38	57.46	132	348	A	H	
		17160	51.52	-16.68	68.2	44.55	41	21.74	55.77	100	0	P	H	
													H	
			11440	53.26	-20.74	74	54.41	37.93	18.38	57.46	211	6	P	V
			11440	45.35	-8.65	54	46.5	37.93	18.38	57.46	211	6	A	V
			17160	52.12	-16.08	68.2	45.15	41	21.74	55.77	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	111.92	-	-	100.95	34.57	11.5	35.1	225	188	P	H
	*	5720	103.98	-	-	93.01	34.57	11.5	35.1	225	188	A	H
													H
													H
													H
													H
	*	5720	113.52	-	-	102.55	34.57	11.5	35.1	289	334	P	V
	*	5720	105.74	-	-	94.77	34.57	11.5	35.1	289	334	A	V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT20 CH 144 5720MHz		11440	57.46	-16.54	74	58.61	37.93	18.38	57.46	110	352	P	H	
		11440	46.94	-7.06	54	48.09	37.93	18.38	57.46	110	352	A	H	
		17160	51.23	-16.97	68.2	44.26	41	21.74	55.77	100	0	P	H	
													H	
			11440	52.97	-21.03	74	54.12	37.93	18.38	57.46	214	11	P	V
			11440	45.16	-8.84	54	46.31	37.93	18.38	57.46	214	11	A	V
			17160	51.79	-16.41	68.2	44.82	41	21.74	55.77	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	109.33	-	-	98.4	34.53	11.5	35.1	226	188	P	H
	*	5710	101.36	-	-	90.43	34.53	11.5	35.1	226	188	A	H
													H
													H
													H
													H
	*	5710	110.59	-	-	99.66	34.53	11.5	35.1	322	340	P	V
	*	5710	102.82	-	-	91.89	34.53	11.5	35.1	322	340	A	V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 142 5710MHz		11420	52.54	-21.46	74	53.79	37.92	18.33	57.5	100	355	P	H	
		11420	45.28	-8.72	54	46.53	37.92	18.33	57.5	100	355	A	H	
		17130	51.74	-16.46	68.2	44.81	41	21.7	55.77	100	0	P	H	
													H	
			11420	51.57	-22.43	74	52.82	37.92	18.33	57.5	214	9	P	V
			11420	43.68	-10.32	54	44.93	37.92	18.33	57.5	214	9	A	V
			17130	52.03	-16.17	68.2	45.1	41	21.7	55.77	100	0	P	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	105.83	-	-	94.96	34.5	11.46	35.09	214	189	P	H
	*	5690	98.28	-	-	87.41	34.5	11.46	35.09	214	189	A	H
													H
													H
													H
													H
	*	5690	107.44	-	-	96.57	34.5	11.46	35.09	325	340	P	V
	*	5690	100.1	-	-	89.23	34.5	11.46	35.09	325	340	A	V
													V
													V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 138 5690MHz		11380	49.7	-24.3	74	51.1	37.9	18.28	57.58	100	0	P	H	
		17070	51.39	-16.81	68.2	44.39	41.13	21.66	55.79	100	0	P	H	
													H	
													H	
			11380	49.16	-24.84	74	50.56	37.9	18.28	57.58	100	0	P	V
			17070	52.81	-15.39	68.2	45.81	41.13	21.66	55.79	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 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT40 LF		30	31.74	-8.26	40	35.99	24.6	1.33	30.18	100	0	P	H	
		190.38	28.34	-15.16	43.5	41.18	14.75	2.38	29.97	-	-	P	H	
		237.63	29.12	-16.88	46	39.52	16.92	2.63	29.95	-	-	P	H	
		477.1	28.57	-17.43	46	31.36	23.47	3.64	29.9	-	-	P	H	
		733.3	30.71	-15.29	46	28.52	27.37	4.37	29.55	-	-	P	H	
		960.1	35.11	-18.89	54	27.65	30.9	5.05	28.49	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			30	32.78	-7.22	40	37.03	24.6	1.33	30.18	100	0	P	V
			120.72	27.49	-16.01	43.5	38.06	17.48	2.01	30.06	-	-	P	V
			187.41	27.5	-16	43.5	40.34	14.77	2.37	29.98	-	-	P	V
			498.8	29.9	-16.1	46	32.34	23.83	3.63	29.9	-	-	P	V
			757.8	30.73	-15.27	46	27.92	27.82	4.46	29.47	-	-	P	V
			1000	37.38	-16.62	54	30.21	30.27	5.12	28.22	-	-	P	V
														V
													V	
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<For Sample 1>

<Adapter 2>

Band 1 - 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5146.64	57.11	-16.89	74	46.93	34.2	11.03	35.05	100	145	P	H
		5149.5	47.38	-6.62	54	37.2	34.2	11.03	35.05	100	145	A	H
	*	5190	102.33	-	-	92.15	34.13	11.1	35.05	100	145	P	H
	*	5190	94.7	-	-	84.52	34.13	11.1	35.05	100	145	A	H
		5357.24	49.9	-24.1	74	39.41	34.4	11.14	35.05	100	145	P	H
		5416.6	40.67	-13.33	54	30.18	34.4	11.15	35.06	100	145	A	H
		5150	61.25	-12.75	74	51.07	34.2	11.03	35.05	366	359	P	V
		5150	52.3	-1.7	54	42.12	34.2	11.03	35.05	366	359	P	V
	*	5190	108.83	-	-	98.65	34.13	11.1	35.05	366	359	P	V
	*	5190	101.03	-	-	90.85	34.13	11.1	35.05	366	359	A	V
		5456.36	48.23	-25.77	74	37.69	34.4	11.2	35.06	366	359	P	V
		5435.64	40.49	-13.51	54	29.95	34.4	11.2	35.06	366	359	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

Table with 14 columns: WIFI Ant. 1+2, Note, Frequency (MHz), Level (dBµV/m), Over Limit (dB), Limit Line (dBµV/m), Read Level (dBµV), Antenna Factor (dB/m), Path Loss (dB), Preamp Factor (dB), Ant Pos (cm), Table Pos (deg), Peak Avg. (P/A), Pol. (H/V). Rows include data for 802.11n HT40 CH 38 at 10380 and 15570 MHz, and a Remark section.



Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT40 LF		30.54	23.23	-16.77	40	27.99	24.09	1.33	30.18	-	-	P	H	
		161.49	26.97	-16.53	43.5	38.37	16.36	2.25	30.01	-	-	P	H	
		293.52	28.26	-17.74	46	36.31	19.03	2.86	29.94	-	-	P	H	
		857.9	32.25	-13.75	46	27.62	28.98	4.74	29.09	-	-	P	H	
		923.7	32.94	-13.06	46	27.44	29.27	4.97	28.74	-	-	P	H	
		946.8	34.37	-11.63	46	27.72	30.18	5.05	28.58	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
			30	31.43	-8.57	40	35.68	24.6	1.33	30.18	100	0	P	V
			162.03	20.5	-23	43.5	31.9	16.36	2.25	30.01	-	-	P	V
			285.96	21.57	-24.43	46	29.78	18.87	2.86	29.94	-	-	P	V
			861.4	33.09	-12.91	46	28.26	29.02	4.88	29.07	-	-	P	V
			899.9	33.26	-12.74	46	28.54	28.72	4.9	28.9	-	-	P	V
			946.1	34.79	-11.21	46	28.19	30.13	5.05	28.58	-	-	P	V
														V
														V
													V	
													V	
													V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.													



<For Sample 2>

<Adapter 1>

Band 1 - 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5142.48	56.36	-17.64	74	46.18	34.2	11.03	35.05	200	208	P	H
		5150	48.89	-5.11	54	38.71	34.2	11.03	35.05	200	208	A	H
	*	5190	103.19	-	-	93.01	34.13	11.1	35.05	200	208	P	H
	*	5190	95.67	-	-	85.49	34.13	11.1	35.05	200	208	A	H
		5442.92	49.62	-24.38	74	39.08	34.4	11.2	35.06	200	208	P	H
		5423.32	40.5	-13.5	54	29.96	34.4	11.2	35.06	200	208	A	H
		5148.2	60.59	-13.41	74	50.41	34.2	11.03	35.05	322	303	P	V
		5149.24	52.32	-1.68	54	42.14	34.2	11.03	35.05	322	303	P	V
	*	5190	108.07	-	-	97.89	34.13	11.1	35.05	322	303	P	V
	*	5190	101.6	-	-	91.42	34.13	11.1	35.05	322	303	A	V
		5459.16	49.62	-24.38	74	39.08	34.4	11.2	35.06	322	303	P	V
		5405.12	40.54	-13.46	54	30.05	34.4	11.15	35.06	322	303	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+2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38		10380	47.03	-21.17	68.2	52.08	37.27	17	59.32	100	0	P	H
		15570	49.99	-24.01	74	46.17	39.87	20.54	56.59	100	0	P	H
													H
													H
5190MHz		10380	47.3	-20.9	68.2	52.35	37.27	17	59.32	100	0	P	V
		15570	49.14	-24.86	74	45.32	39.87	20.54	56.59	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 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT40 LF		30	29.5	-10.5	40	33.75	24.6	1.33	30.18	100	0	P	H	
		47.82	25.24	-14.76	40	38.57	15.48	1.34	30.15	-	-	P	H	
		157.71	32.16	-11.34	43.5	43.25	16.67	2.25	30.01	-	-	P	H	
		851.6	31.92	-14.08	46	27.48	28.81	4.74	29.11	-	-	P	H	
		939.8	33.21	-12.79	46	27.04	29.82	4.98	28.63	-	-	P	H	
		957.3	34.22	-11.78	46	26.93	30.75	5.05	28.51	-	-	P	H	
														H
														H
														H
														H
														H
														H
														H
			30	33.64	-6.36	40	37.89	24.6	1.33	30.18	100	0	P	V
			39.45	27.58	-12.42	40	37.08	19.33	1.34	30.17	-	-	P	V
			68.61	28.68	-11.32	40	44.86	12.24	1.7	30.12	-	-	P	V
			871.9	31.93	-14.07	46	27.12	28.95	4.88	29.02	-	-	P	V
			934.9	33.39	-12.61	46	27.42	29.66	4.97	28.66	-	-	P	V
			959.4	34.11	-11.89	46	26.71	30.85	5.05	28.5	-	-	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	Peak or Average
H/V	Horizontal or Vertical



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
2412MHz													

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission

Test Engineer :	Jesse Wang, Stan Hsieh, and Troye Hsien	Temperature :	24~26 °C
		Relative Humidity :	50~51 %

Note symbol

-L	Low channel location
-R	High channel location



<For Sample 1>

<Adapter 1>

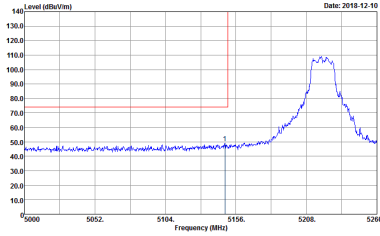
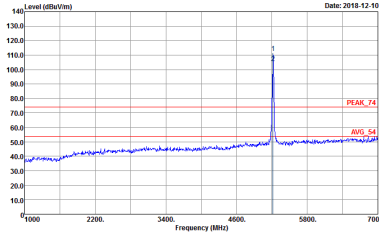
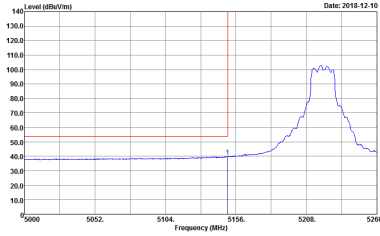
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

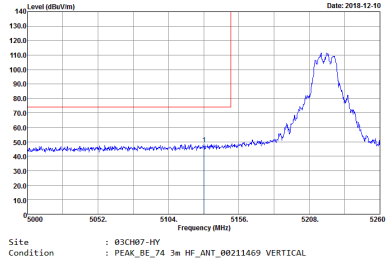
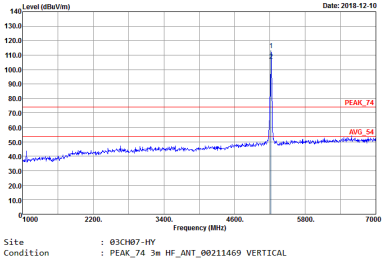
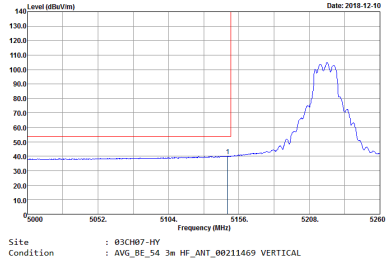


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>

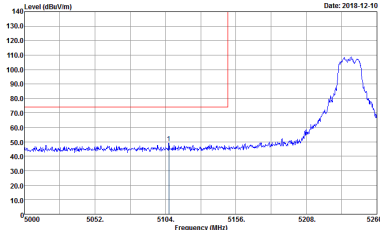
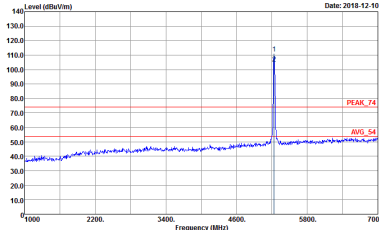
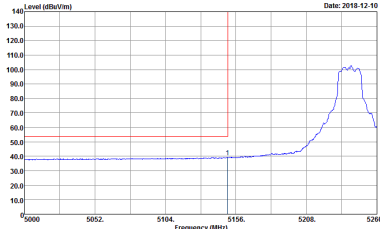


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

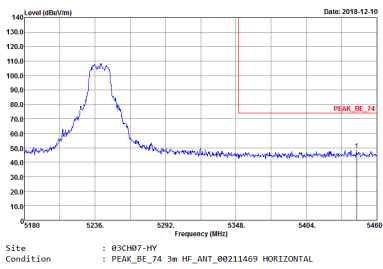
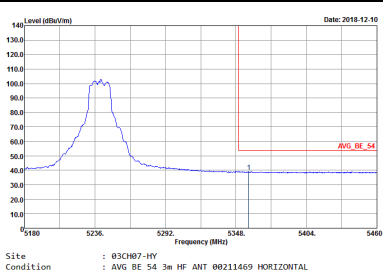


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>

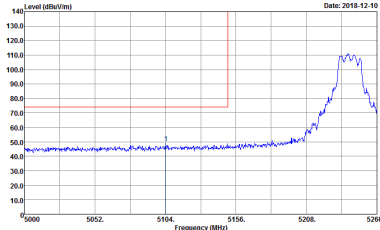
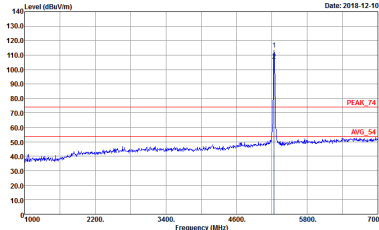
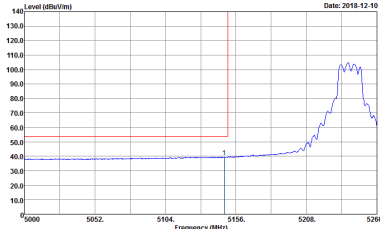


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5260 MHz. A red box highlights the peak area.</p> <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a sharp peak at approximately 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 4000 to 7000 MHz. A red box highlights the peak area.</p> <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average spectrum with a peak at approximately 5240 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5260 MHz. A red box highlights the peak area.</p> <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



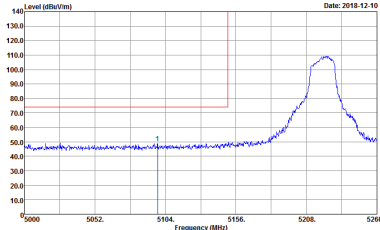
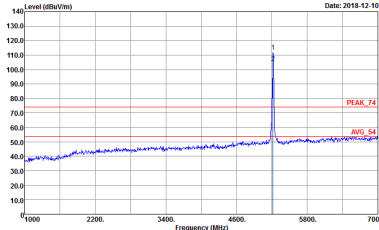
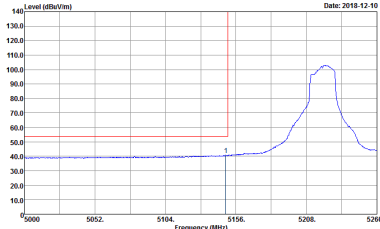
**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		Left blank

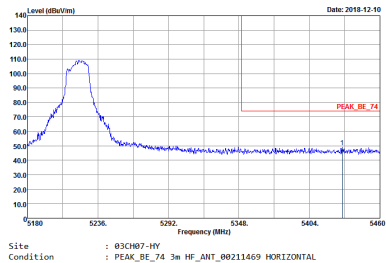
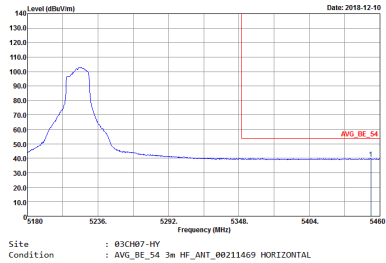


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

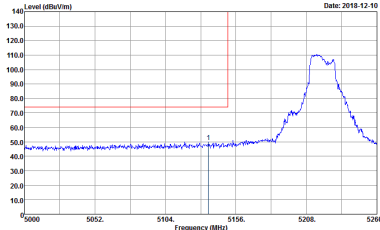
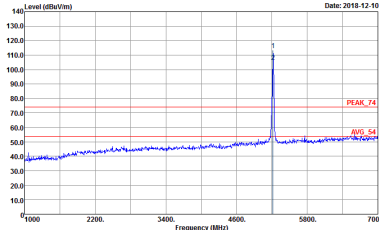
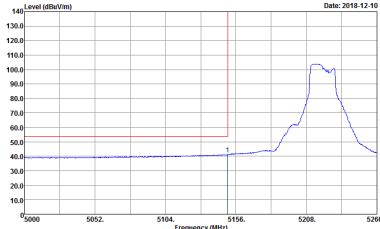


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

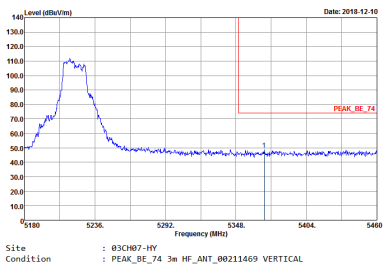
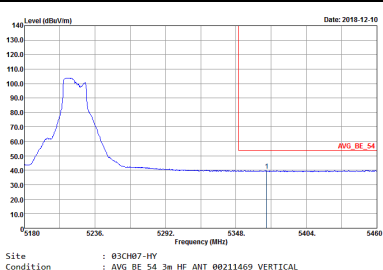


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

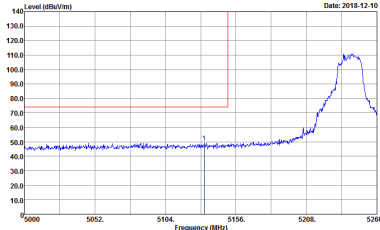
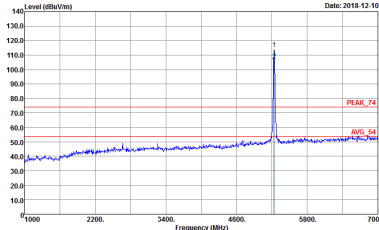
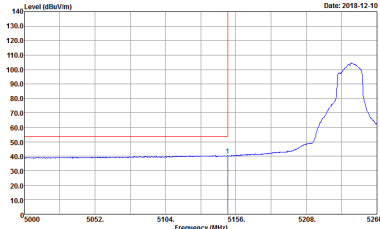


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

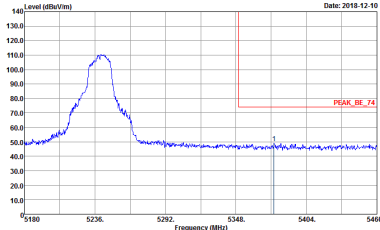
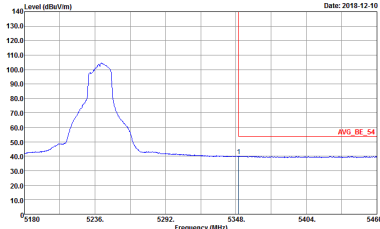


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



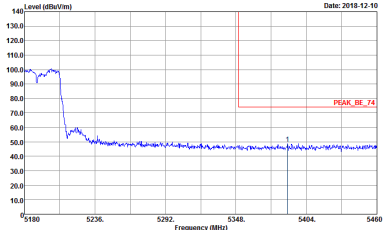
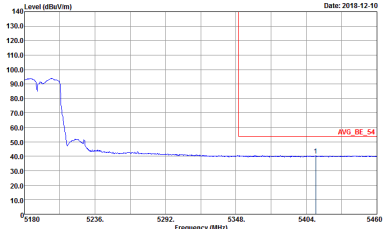
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



**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+2	Horizontal	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Left blank</p>

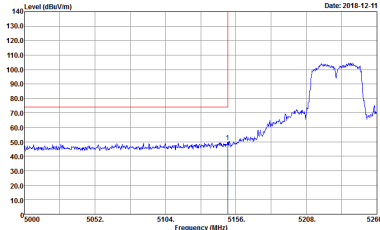
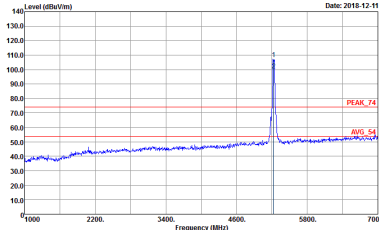
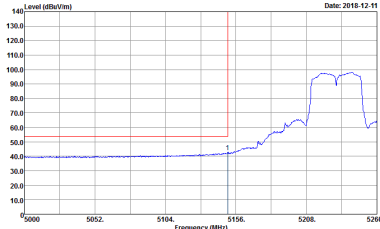


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
<p>Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Left blank</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



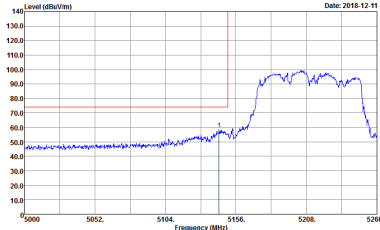
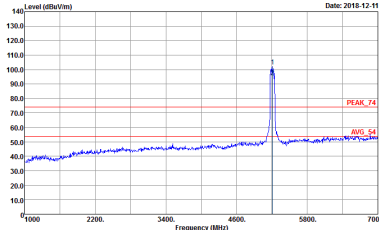
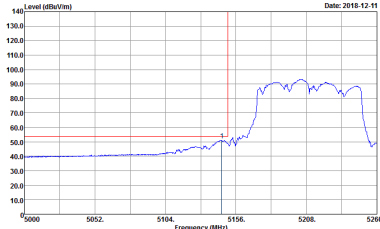
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI1) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(AVG) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(AVG) 3m SHF-EHF_131029 VERTICAL</p>



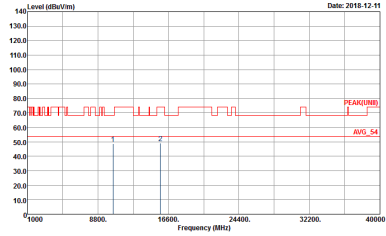
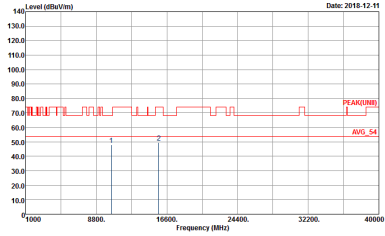
**Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>

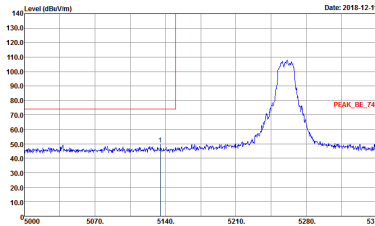
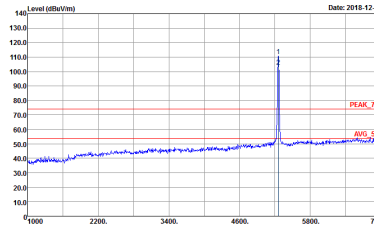
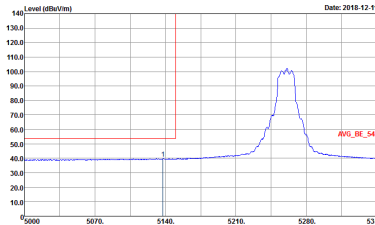


Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

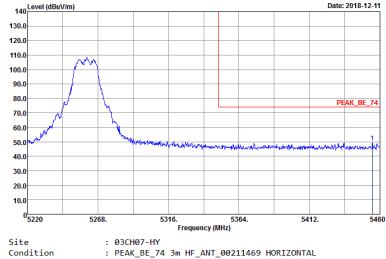
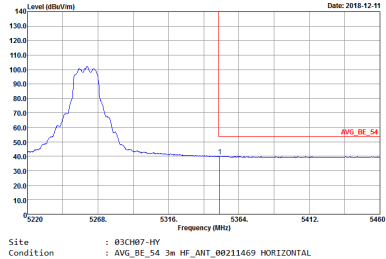
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNI) 3m SHF-EHF_131029 VERTICAL</p>



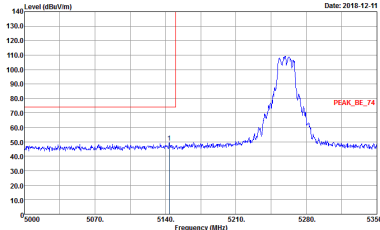
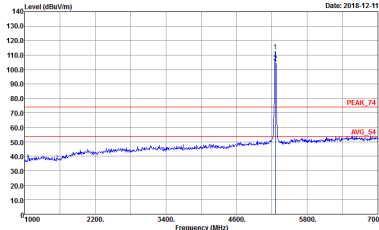
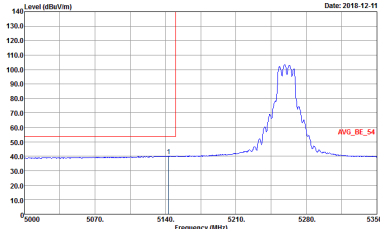
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

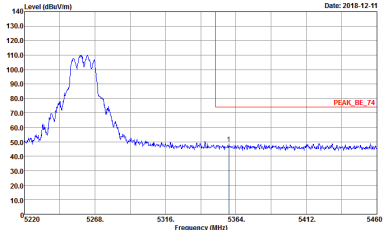
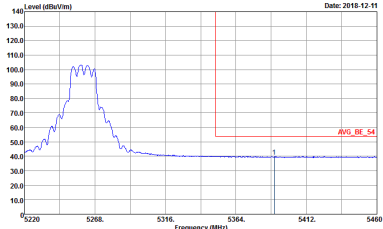


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

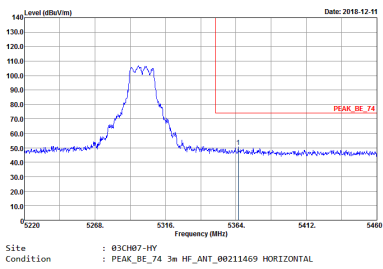
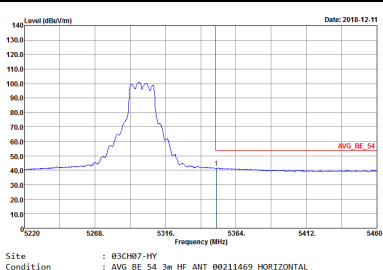


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Left blank</p>
<p>Avg.</p>	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	<p>Left blank</p>



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



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

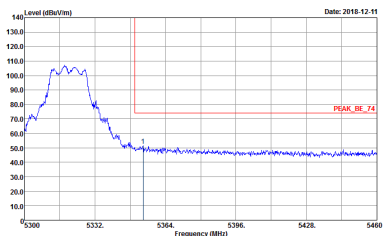
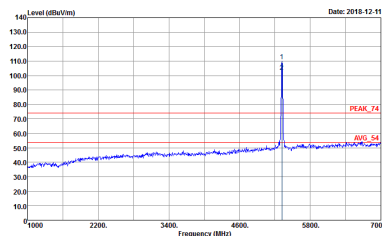
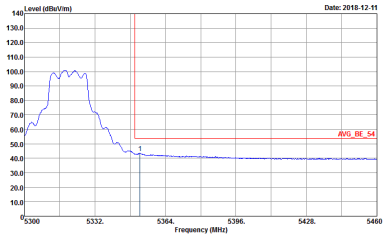


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK_F4 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

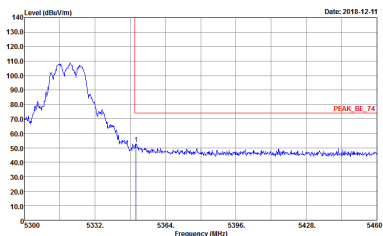
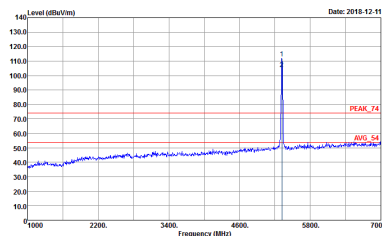
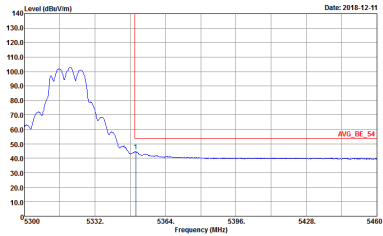


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



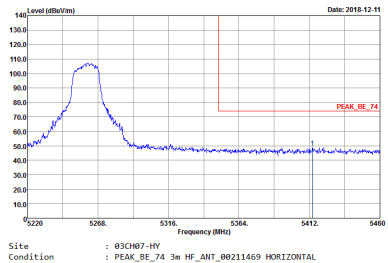
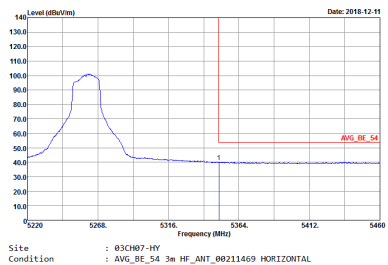
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

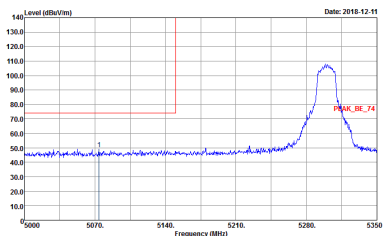
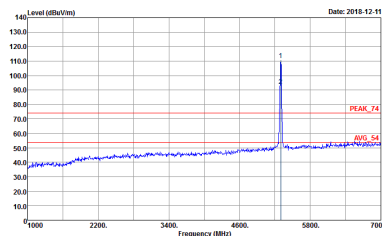
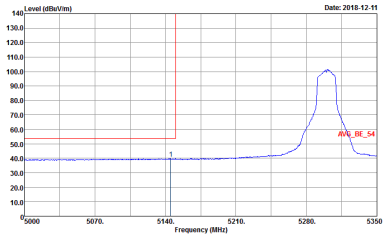


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

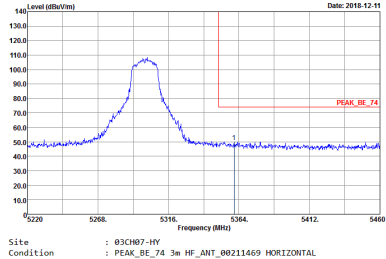
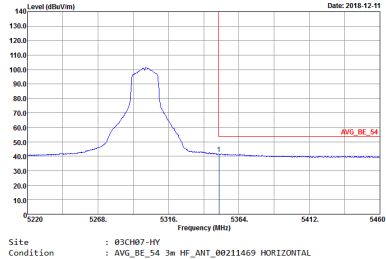


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>		<p>Left blank</p>
<p>Avg.</p>		<p>Left blank</p>

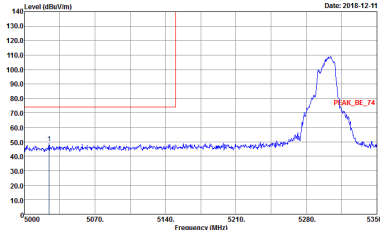
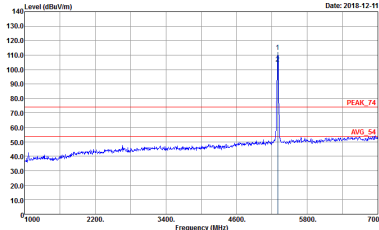
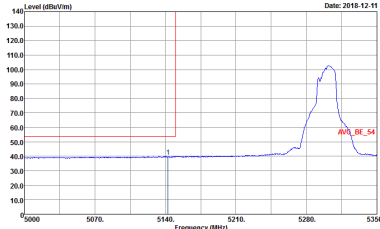


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

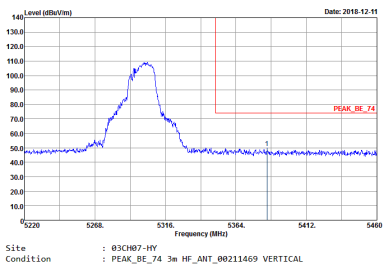
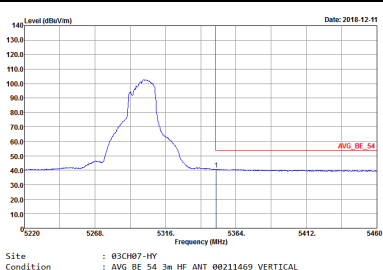


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

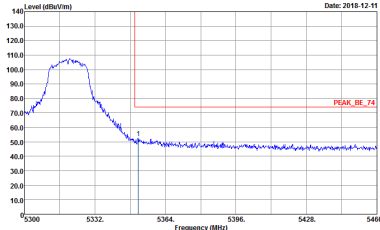
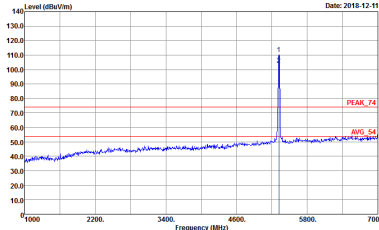
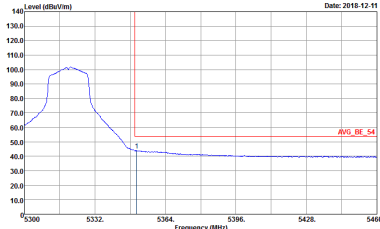


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_F4 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



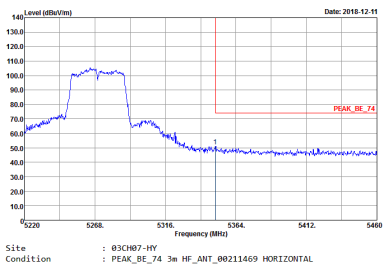
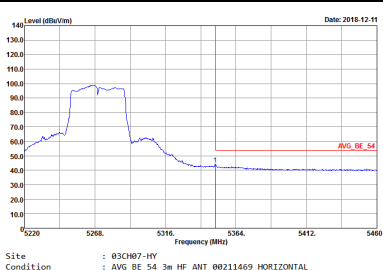
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank



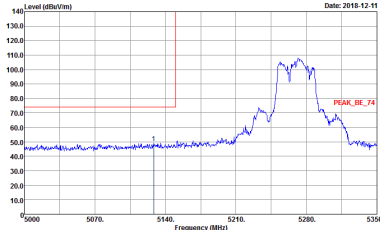
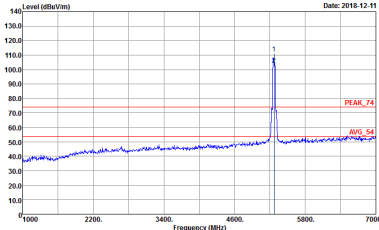
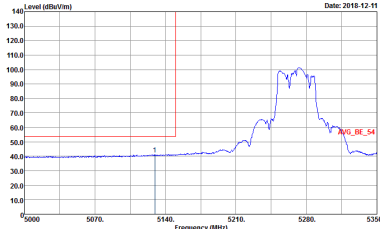
**Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

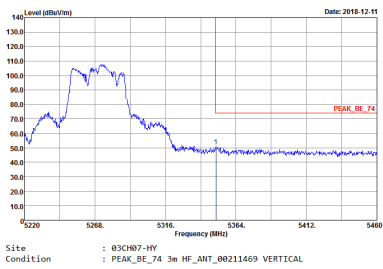
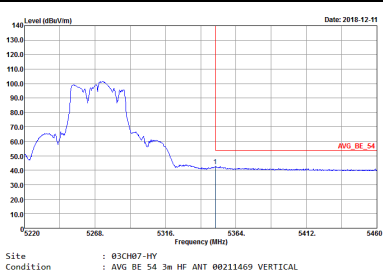


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1+2	Vertical	Vertical
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank

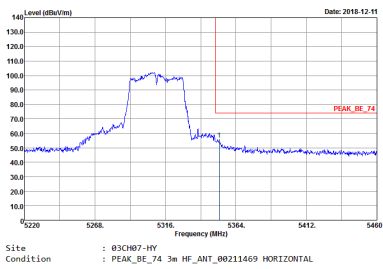
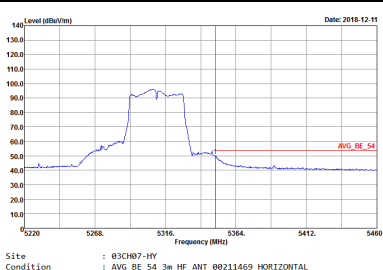


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
1+2	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

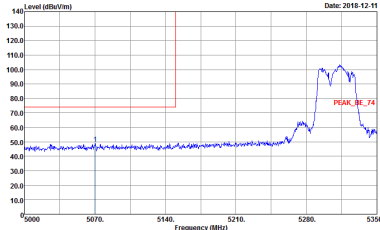
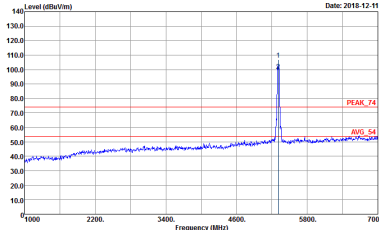
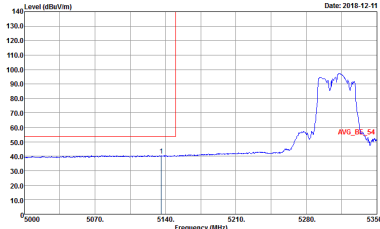


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Level (dBu/m) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a signal level around 50 dBu/m until 5250 MHz, then rising to a peak of approximately 100 dBu/m at 5310 MHz. A red line marks the peak at 5310 MHz. The x-axis ranges from 5000 to 5350 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level around 50 dBu/m until 5250 MHz, then rising to a peak of approximately 100 dBu/m at 5310 MHz. A red line marks the peak at 5310 MHz. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Horizontal. The plot shows a signal level around 50 dBu/m until 5250 MHz, then rising to an average level of approximately 80 dBu/m at 5310 MHz. A red line marks the average level at 5310 MHz. The x-axis ranges from 5000 to 5350 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



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



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5310 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5350 MHz. A red line indicates the peak level at approximately 100 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5310 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7000 MHz. A red line indicates the peak level at approximately 100 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average level at 5310 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5000 to 5350 MHz. A red line indicates the average level at approximately 50 dBu/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



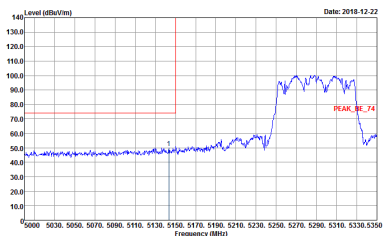
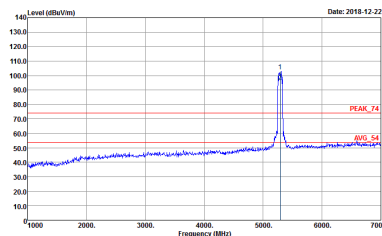
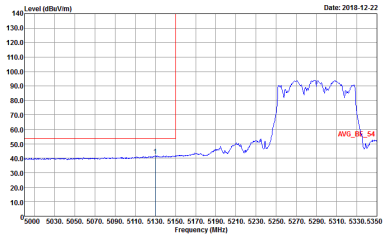
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (1+2, Peak, Avg.). It contains spectral analysis graphs for Horizontal and Fundamental signals, and a 'Left blank' section.



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_S4 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
<p>Peak</p>	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	<p>Left blank</p>
<p>Avg.</p>	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	<p>Left blank</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

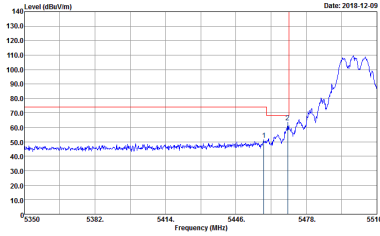
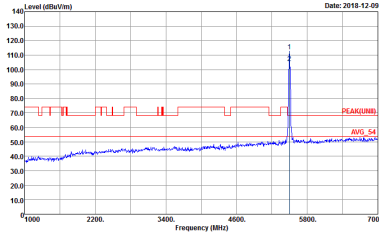
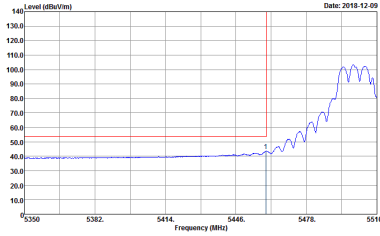
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 VERTICAL</p>



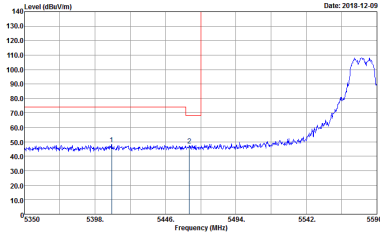
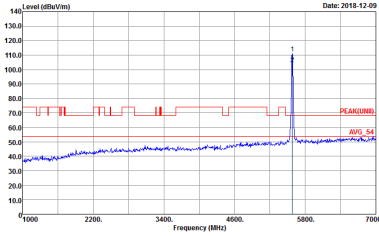
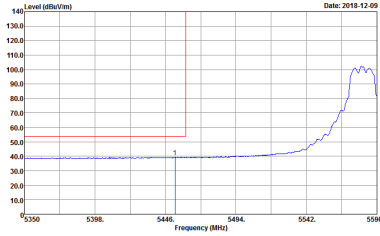
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

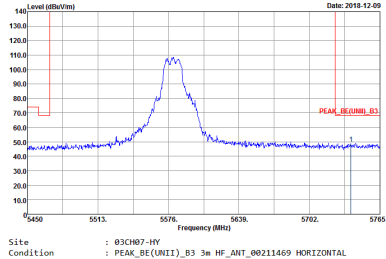


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

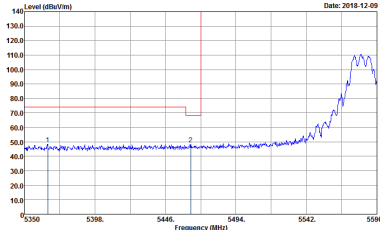
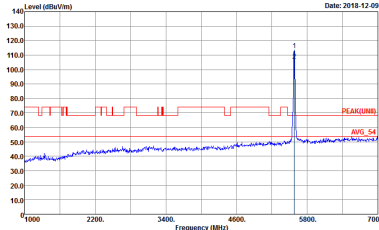
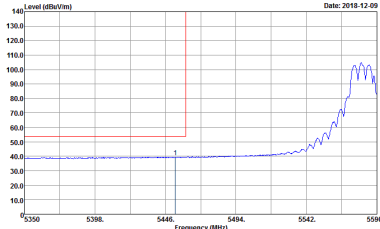


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

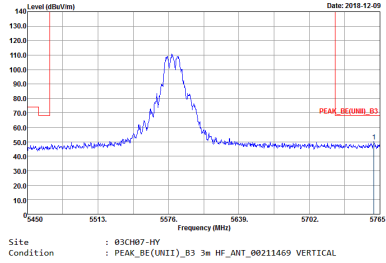


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

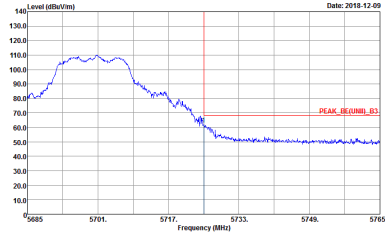
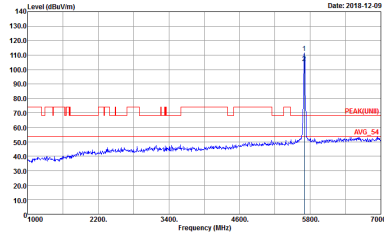


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNIT)_B3 3m HF_ANT_00211469 HORIZONTAL</p>



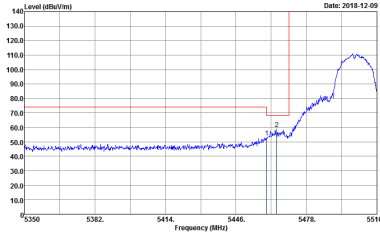
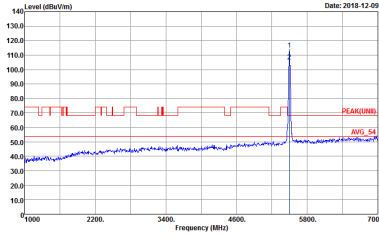
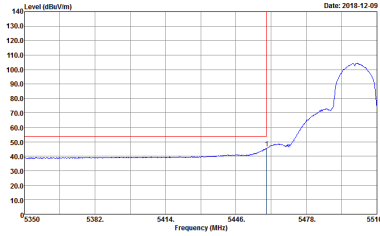
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UMBI)_B3 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UMBI)_3m HF_ANT_00211469 VERTICAL</p>



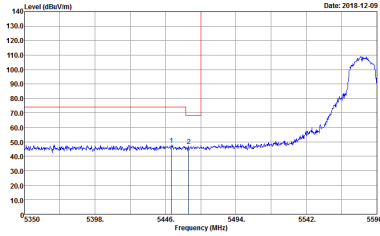
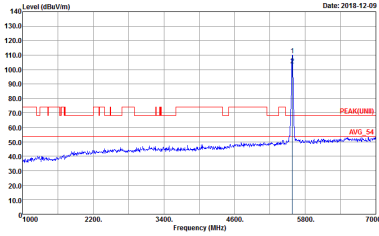
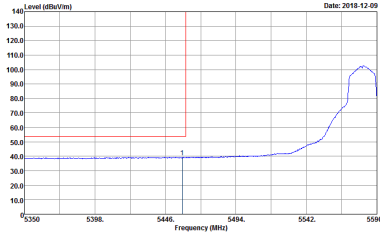
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

Table with 4 columns: WIFI, ANT, 1+2, and two measurement plots (Horizontal and Fundamental). Rows are labeled 'Peak' and 'Avg.'. The plots show Level (dBu/m) vs Frequency (MHz) with various annotations like 'PEAK(UMB)' and 'AVG_S1'.

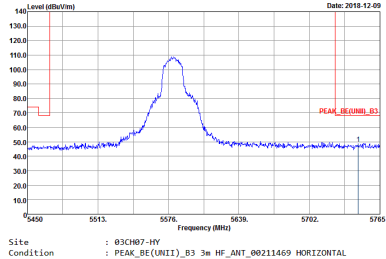


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5580 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5330 to 5590 MHz. A red vertical line marks the peak at 5580 MHz. The plot shows a blue signal line and a red reference line.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at 5580 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak at 5580 MHz. The plot shows a blue signal line and a red reference line.</p> <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing an average signal at 5580 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5330 to 5590 MHz. A red vertical line marks the peak at 5580 MHz. The plot shows a blue signal line and a red reference line.</p> <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

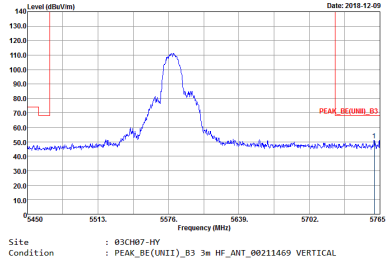


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

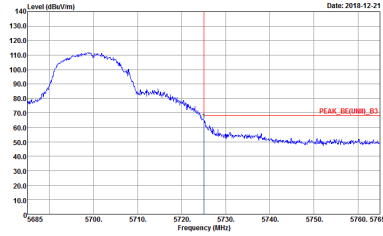
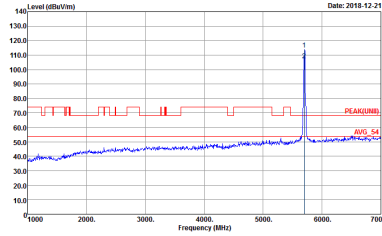


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



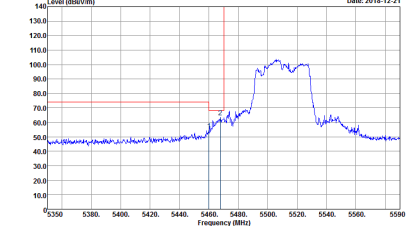
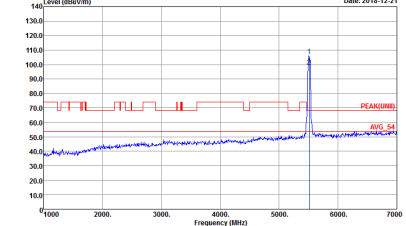
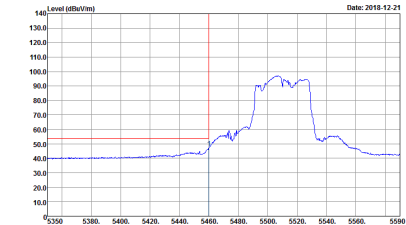
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UWII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UWII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>



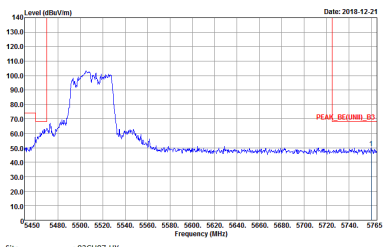
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak.	 <p>Site : 03CH07-HY Condition : PEAK_BE(UWII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UWII) 3m HF_ANT_00211469 VERTICAL</p>



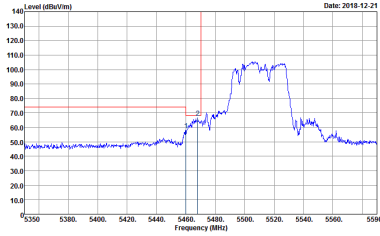
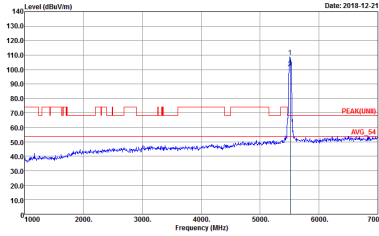
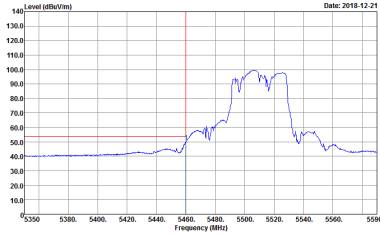
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UWII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UWII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UWII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

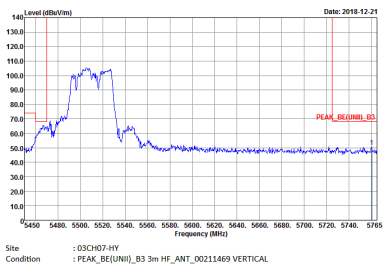


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UWII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

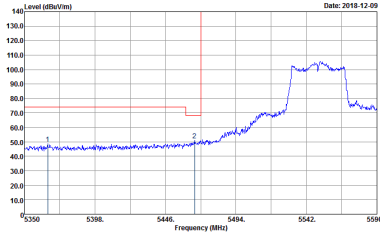
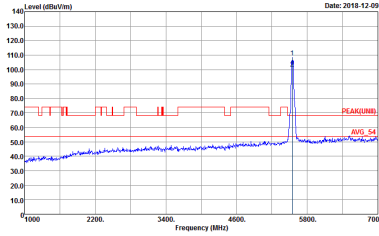
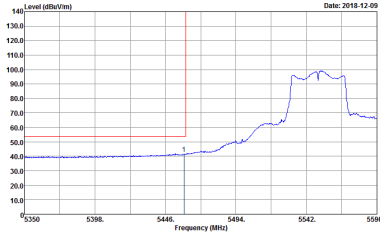


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(U/NII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(U/NII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(U/NII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

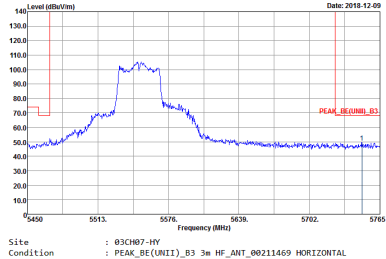


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

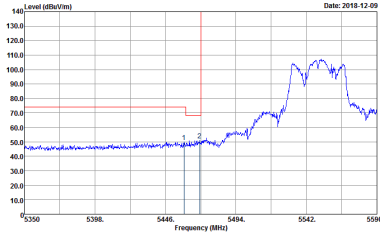
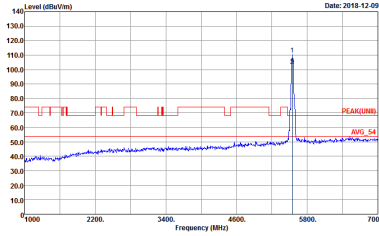
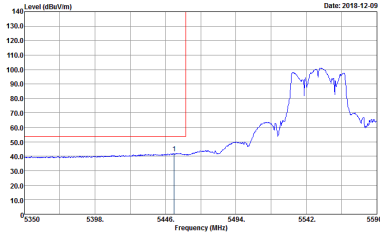


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

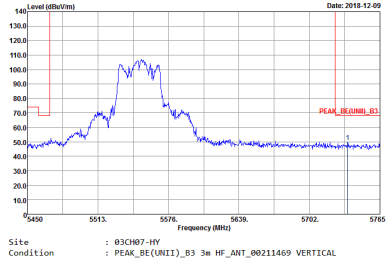


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNIT)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

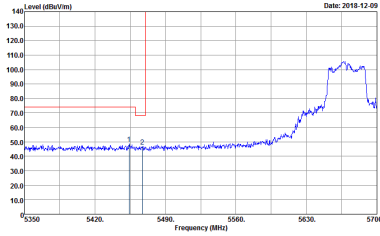
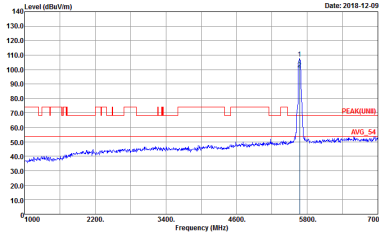
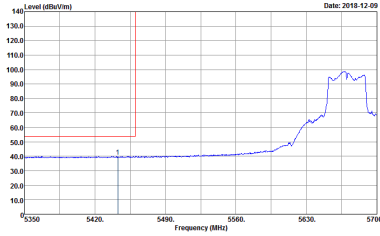


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

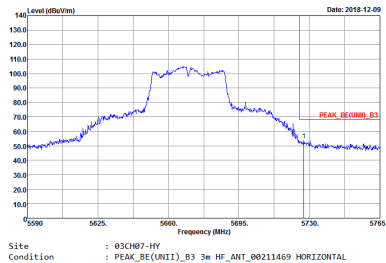


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

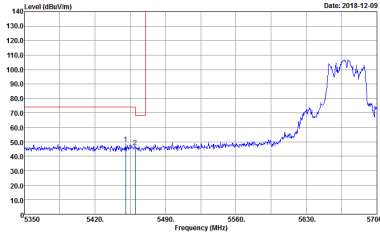
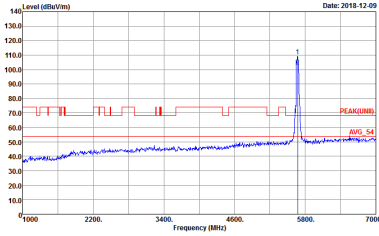
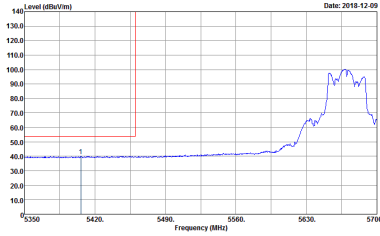


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

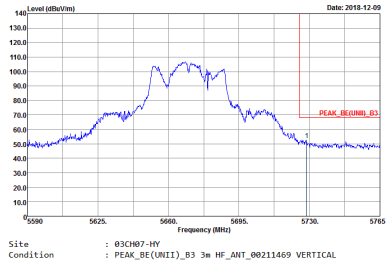


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UMI)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level around 70 dBu/m from 5350 to 5450 MHz, then a sharp peak at approximately 5670 MHz reaching about 130 dBu/m. The x-axis ranges from 5350 to 5700 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level around 70 dBu/m from 1000 to 5000 MHz, then a sharp peak at approximately 5670 MHz reaching about 130 dBu/m. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m. Labels 'PEAK(UM)' and 'AVG_54' are visible on the plot.</p> <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Vertical. The plot shows a signal level around 40 dBu/m from 5350 to 5450 MHz, then a sharp peak at approximately 5670 MHz reaching about 100 dBu/m. The x-axis ranges from 5350 to 5700 MHz, and the y-axis ranges from 10.0 to 140.0 dBu/m.</p> <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



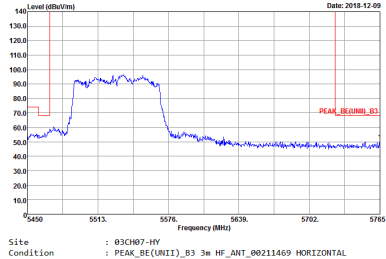
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNIT1)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



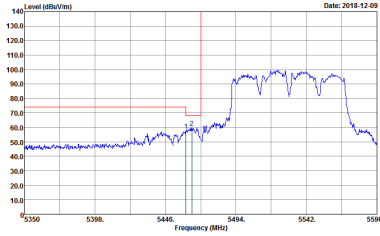
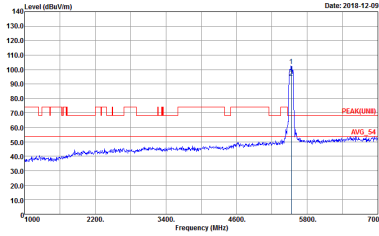
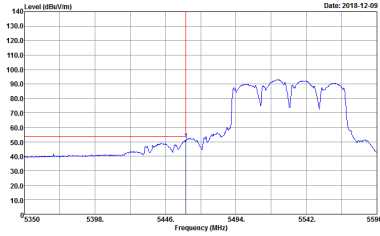
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

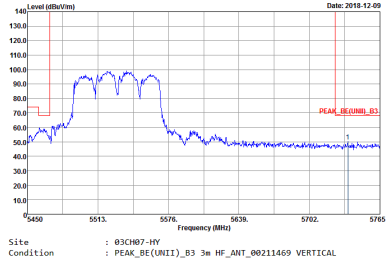


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(WIFI)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank

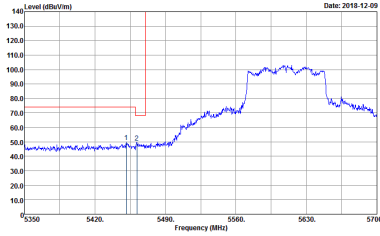
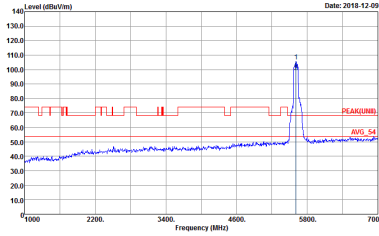
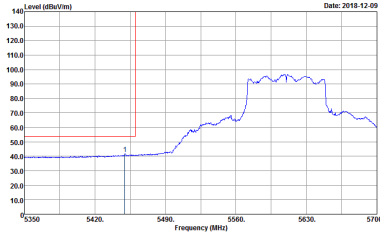


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Vertical. The plot shows a signal level rising from approximately 50 dBu/m at 5470 MHz to about 100 dBu/m at 5530 MHz. A red vertical line is positioned at 5446 MHz. The date is 2018-12-09.</p> <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a signal level rising from approximately 40 dBu/m at 5470 MHz to about 100 dBu/m at 5530 MHz. A red vertical line is positioned at 5446 MHz. The date is 2018-12-09.</p> <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot for Avg. Vertical. The plot shows a signal level rising from approximately 40 dBu/m at 5470 MHz to about 100 dBu/m at 5530 MHz. A red vertical line is positioned at 5446 MHz. The date is 2018-12-09.</p> <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

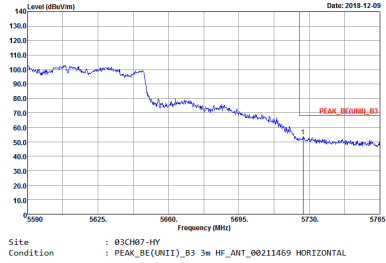


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(WIFI)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank

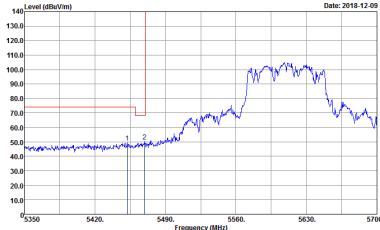
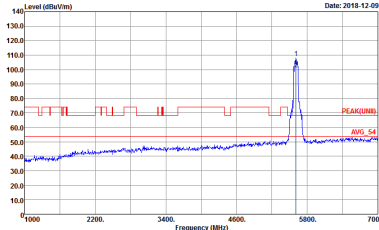
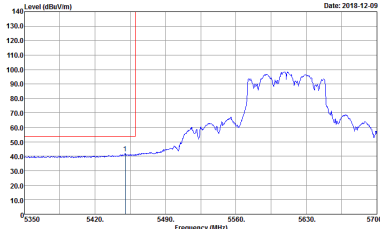


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 5470 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5350 to 5700 MHz. A red vertical line marks the peak. Below the plot, the text reads: Site : 03CH07-HY, Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL.</p>	 <p>Level (dBu/m) vs Frequency (MHz) plot showing a peak at approximately 5610 MHz. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 1000 to 7000 MHz. A red vertical line marks the peak. Below the plot, the text reads: Site : 03CH07-HY, Condition : PEAK(UNII) 3m HF_ANT_00211469 HORIZONTAL.</p>
Avg.	 <p>Level (dBu/m) vs Frequency (MHz) plot showing the average spectrum. The y-axis ranges from 10.0 to 140.0 dBu/m, and the x-axis ranges from 5350 to 5700 MHz. Below the plot, the text reads: Site : 03CH07-HY, Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 HORIZONTAL.</p>	Left blank

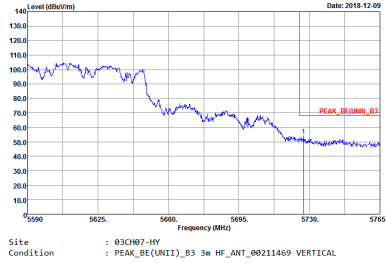


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNIT1)_B3 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNII) 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE(UNII)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE(WIFI)_B3 3m HF_ANT_00211469 VERTICAL</p>	Left blank



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



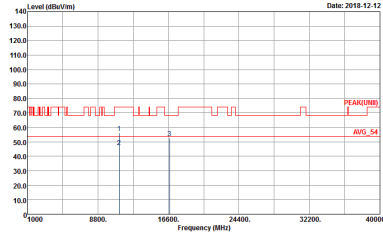
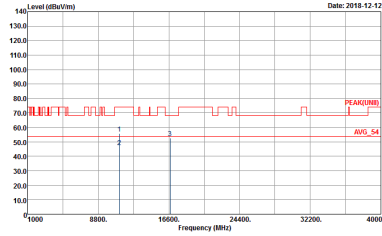
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	 <p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m HF_ANT_00211469 VERTICAL</p>



Band 3 – Straddle Channel
WIFI 802.11n HT20 (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m HF_ANT_00211469 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT1) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) VERTICAL</p>



<For Sample 1>

<Adapter 2>

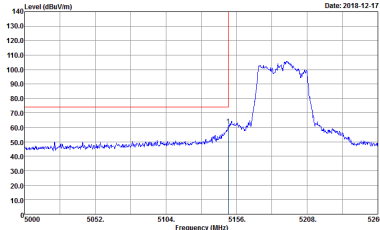
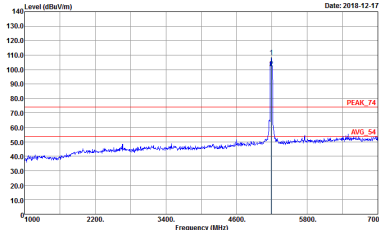
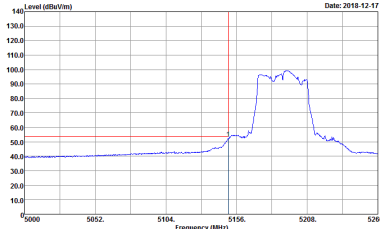
Band 1 - 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 <p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	 <p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 VERTICAL</p>
Avg.	 <p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNII) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(S) HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(S) VERTICAL</p>



<For Sample 2>

<Adapter 1>

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK_74 3m HF_ANT_00211469 HORIZONTAL</p>
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 HORIZONTAL</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	<p>Site : 03CH07-HY Condition : PEAK_BE_74 3m HF_ANT_00211469 VERTICAL</p>	Left blank
Avg.	<p>Site : 03CH07-HY Condition : AVG_BE_54 3m HF_ANT_00211469 VERTICAL</p>	Left blank



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : PEAK(UNIT) 3m SHF-EHF_131029 VERTICAL</p>



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

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) HORIZONTAL</p>	<p>Site : 03CH07-HY Condition : QP 3m LF-ANT-35419(6) VERTICAL</p>



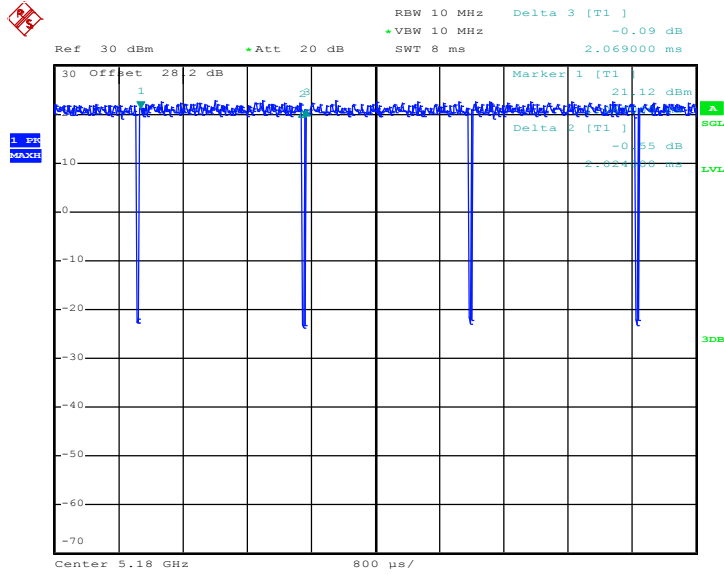
Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting	Duty Factor(dB)
1	802.11a	97.83	2024	0.49	1kHz	0.10
2	802.11a	98.06	-	-	10Hz	0.09
1+2	802.11a for Ant. 1	97.35	2024	0.49	1kHz	0.12
1+2	802.11a for Ant. 2	98.31	-	-	10Hz	0.07
1	5GHz 802.11n HT20	97.36	1884	0.53	1kHz	0.12
2	5GHz 802.11n HT20	97.94	1900	0.53	1kHz	0.09
1+2	5GHz 802.11n HT20 for Ant. 1	97.36	1884	0.53	1kHz	0.12
1+2	5GHz 802.11n HT20 for Ant. 2	97.94	1900	0.53	1kHz	0.09
1	5GHz 802.11n HT40	96.48	932	1.07	3kHz	0.16
2	5GHz 802.11n HT40	95.95	924	1.08	3kHz	0.18
1+2	5GHz 802.11n HT40 for Ant. 1	95.95	924	1.08	3kHz	0.18
1+2	5GHz 802.11n HT40 for Ant. 2	95.85	924	1.08	3kHz	0.18
1	5GHz 802.11ac VHT20	97.83	1892	0.53	1kHz	0.10
2	5GHz 802.11ac VHT20	97.39	1902	0.53	1kHz	0.11
1+2	5GHz 802.11ac VHT20 for Ant. 1	97.38	1894	0.53	1kHz	0.12
1+2	5GHz 802.11ac VHT20 for Ant. 2	97.13	1894	0.53	1kHz	0.13
1	5GHz 802.11ac VHT40	95.98	931	1.07	3kHz	0.18
2	5GHz 802.11ac VHT40	95.98	931	1.07	3kHz	0.18
1+2	5GHz 802.11ac VHT40 for Ant. 1	96.48	933	1.07	3kHz	0.16
1+2	5GHz 802.11ac VHT40 for Ant. 2	95.78	931	1.07	3kHz	0.19
1	5GHz 802.11ac VHT80	91.87	452	2.21	3kHz	0.37
2	5GHz 802.11ac VHT80	91.87	452	2.21	3kHz	0.37
1+2	5GHz 802.11ac VHT80 for Ant. 1	91.87	452	2.21	3kHz	0.37
1+2	5GHz 802.11ac VHT80 for Ant. 2	91.94	456	2.19	3kHz	0.36



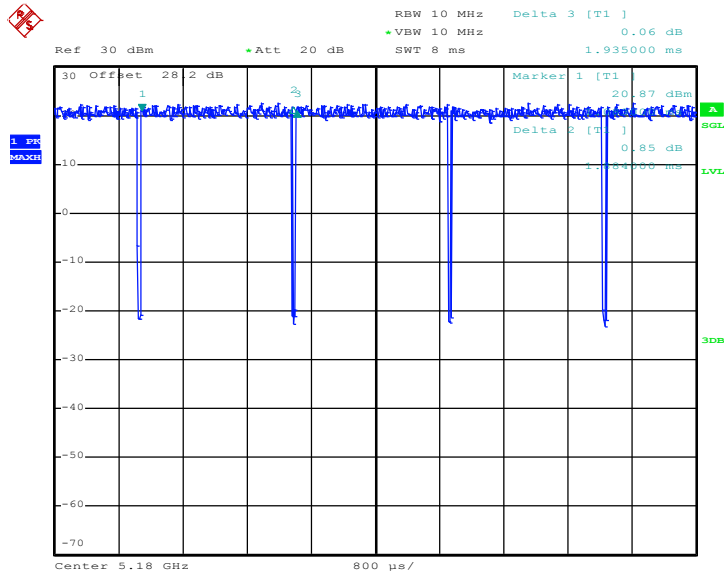
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802.11a



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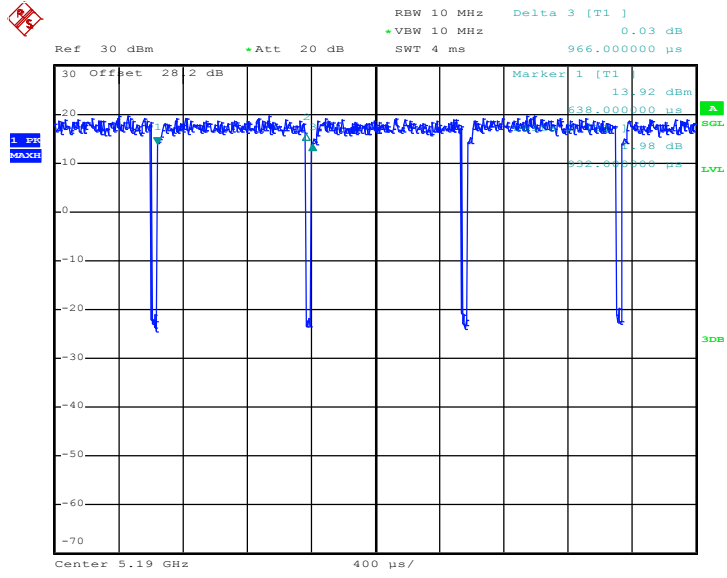
802.11n HT20



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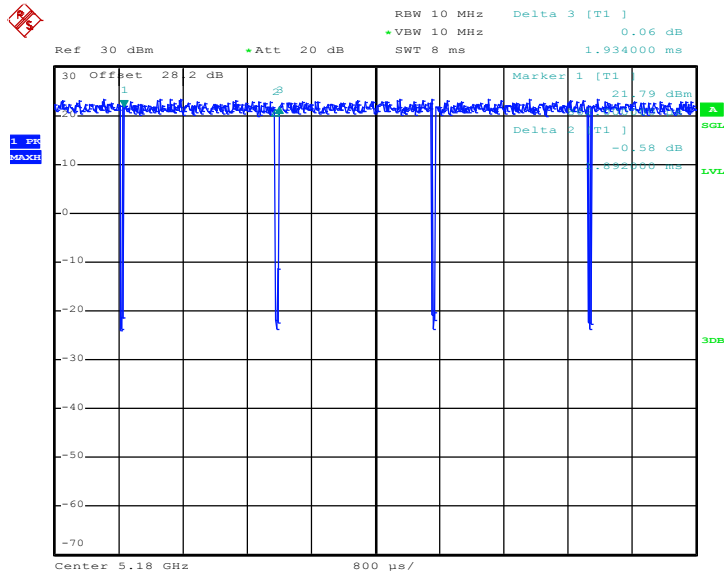


802.11n HT40



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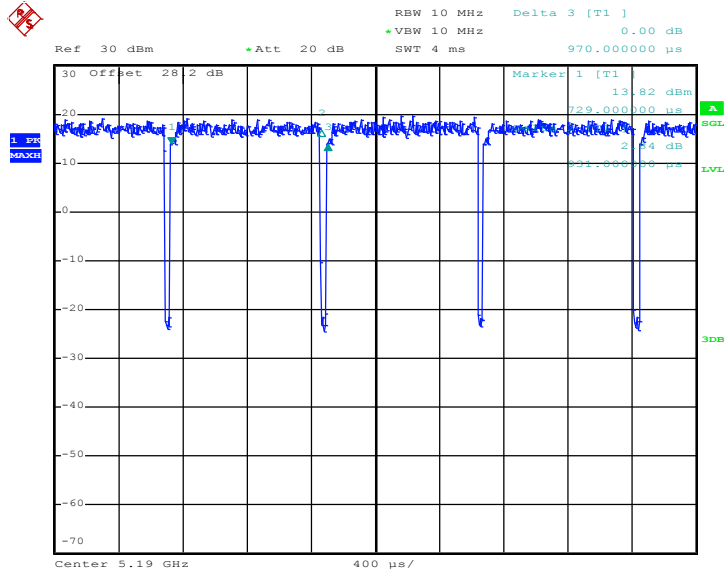
802.11ac VHT20



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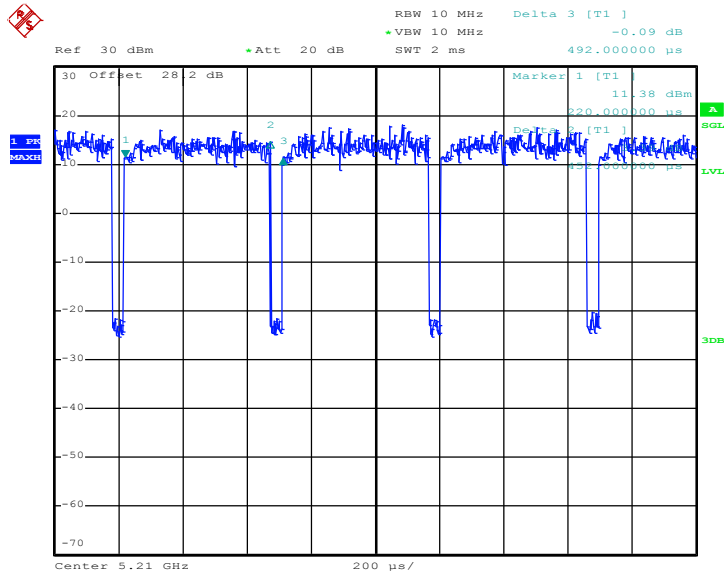


802.11ac VHT40



Date: 6.OCT.2018 01:14:20

802.11ac VHT80

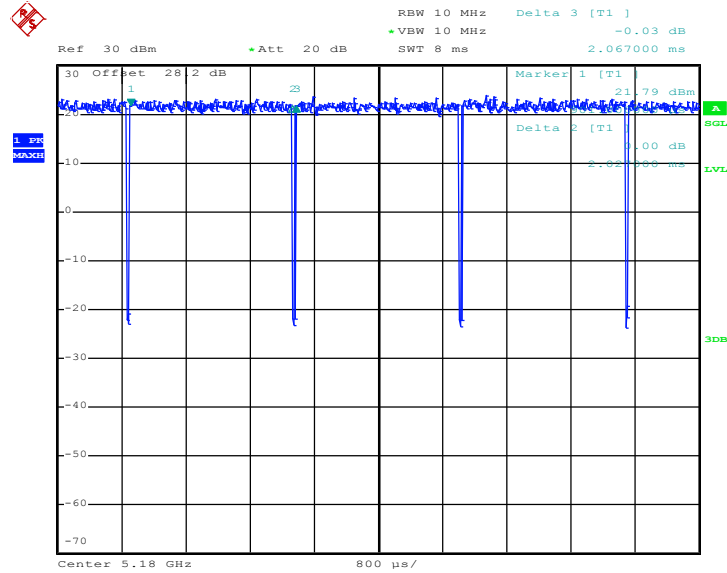


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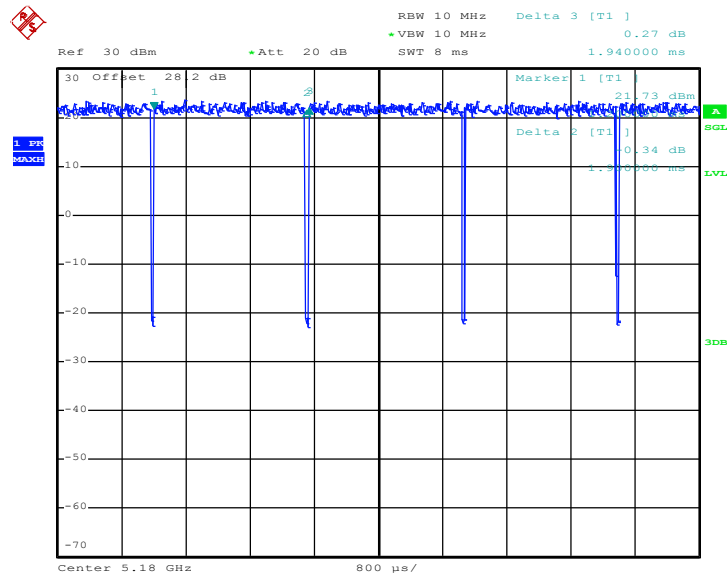
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802.11a



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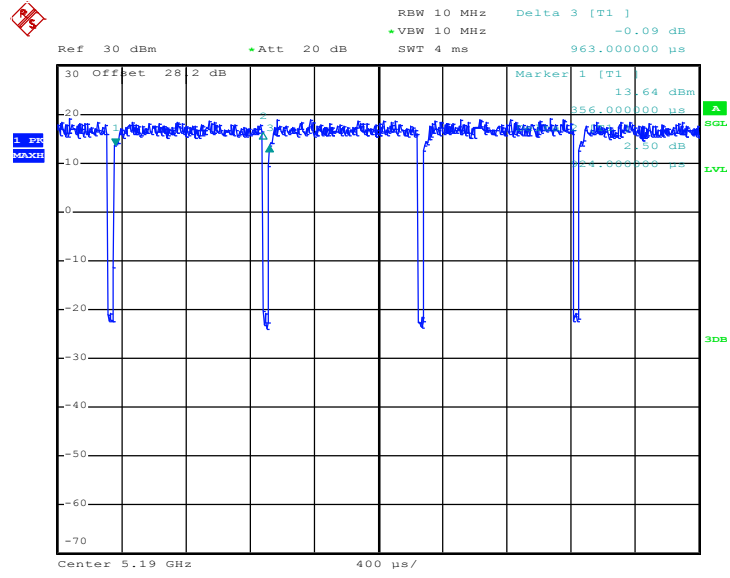
802.11n HT20



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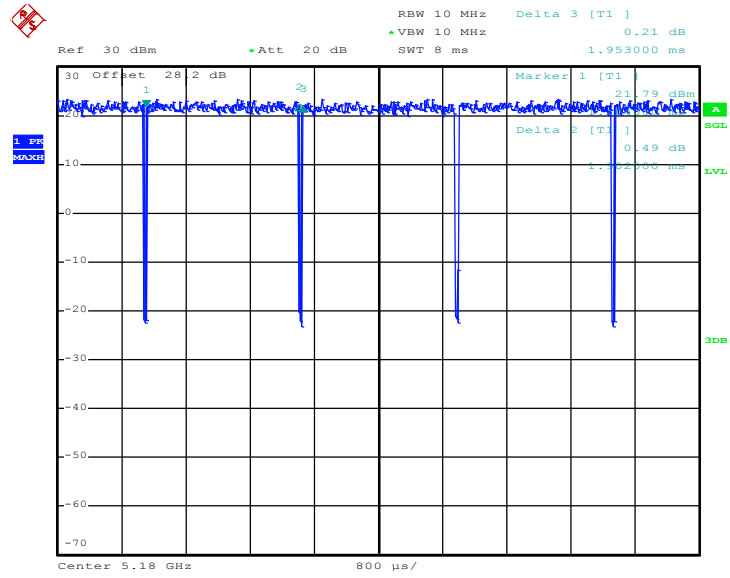


802.11n HT40



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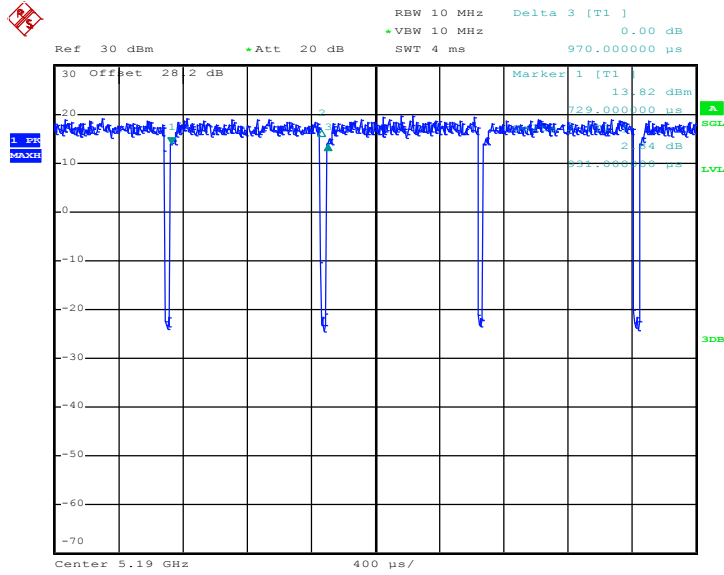
802.11ac VHT20



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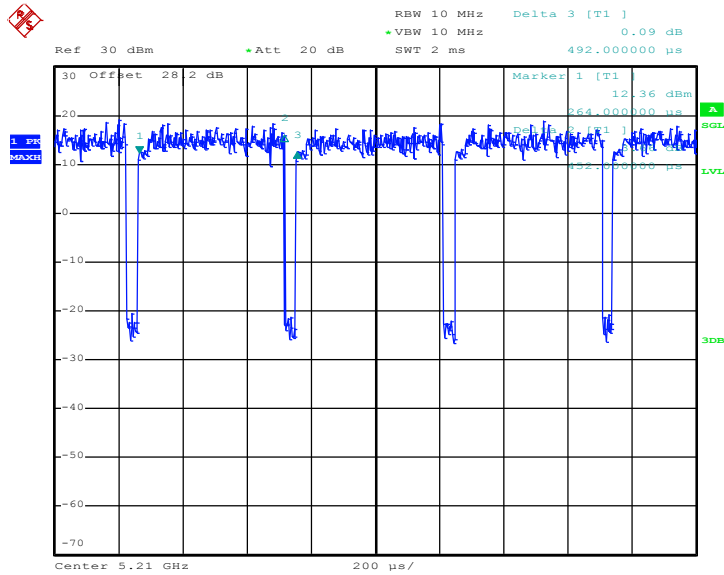


802.11ac VHT40



Date: 6.OCT.2018 01:14:20

802.11ac VHT80

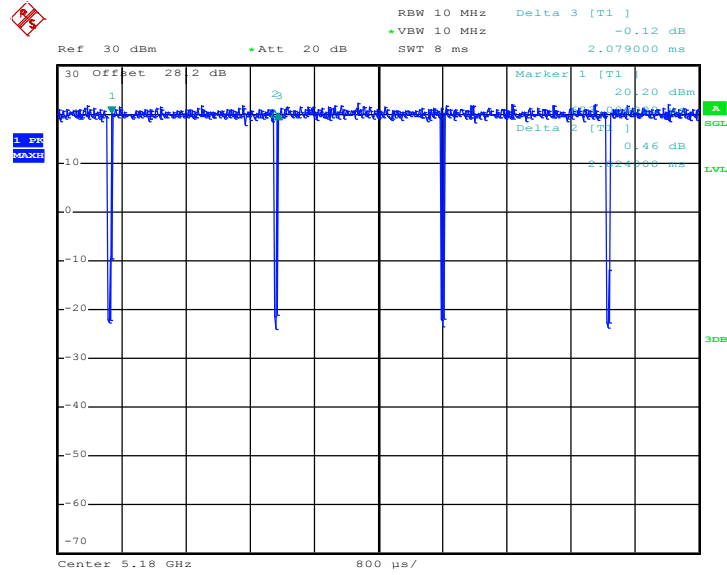


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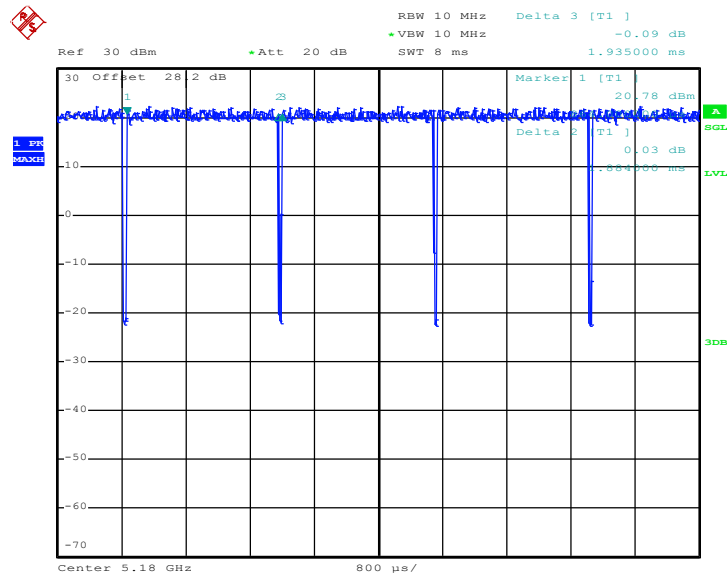
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802.11a



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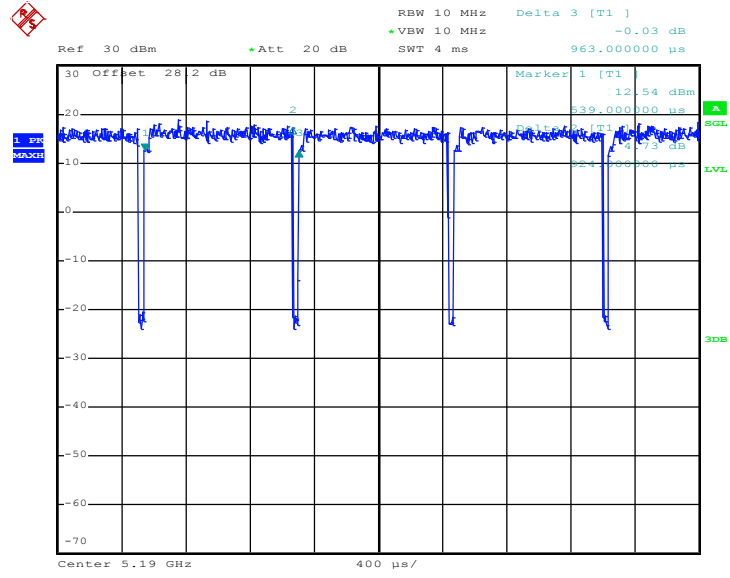
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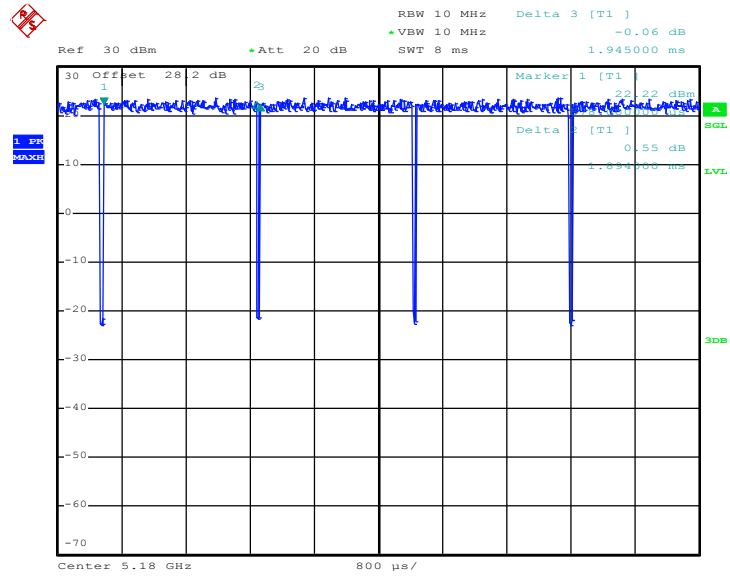


802.11n HT40



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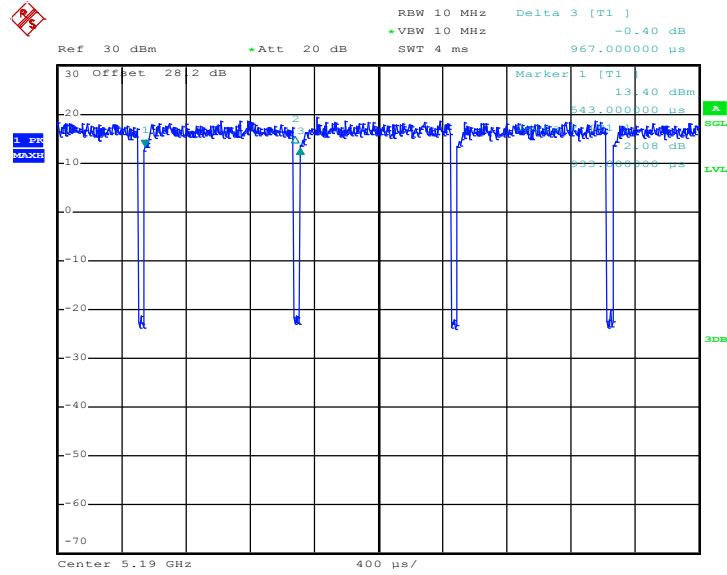
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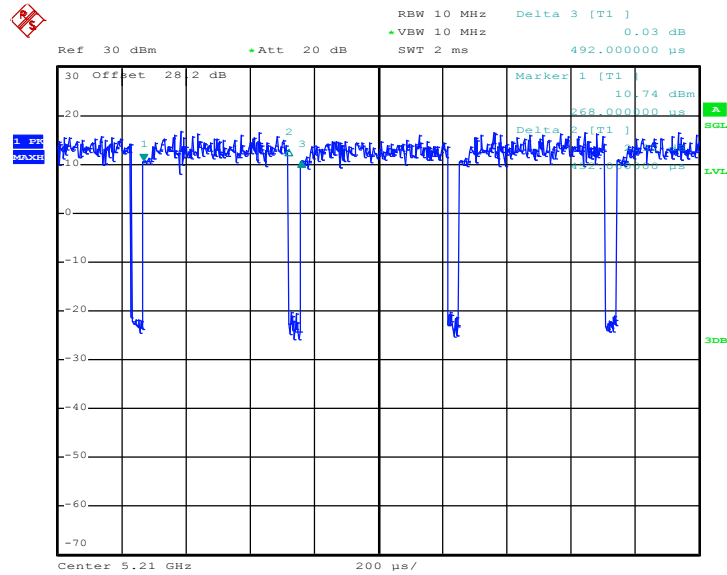


802.11ac VHT40



Date: 6.OCT.2018 01:15:48

802.11ac VHT80

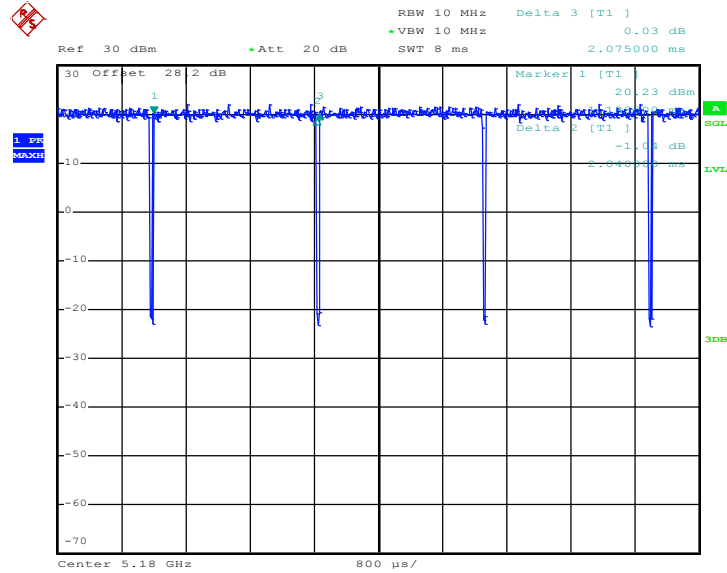


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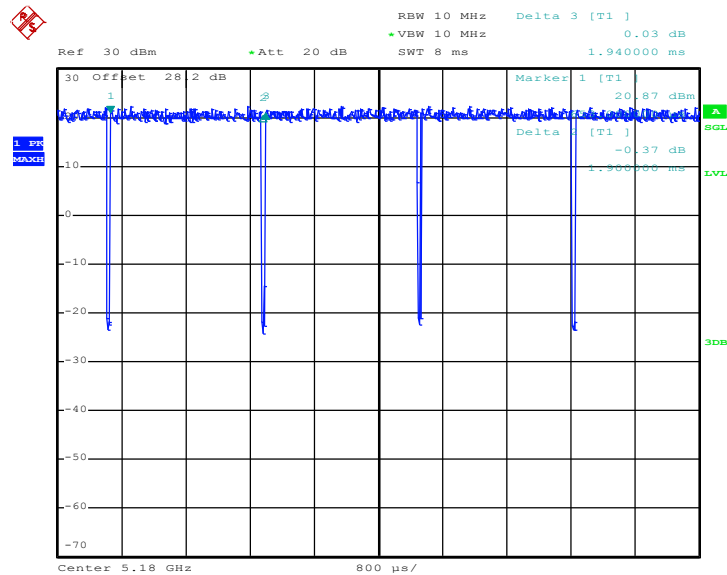
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802.11a



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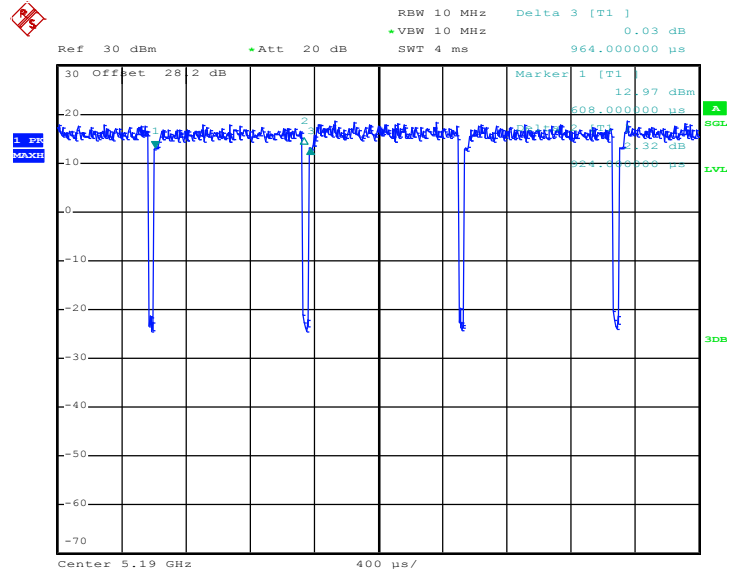
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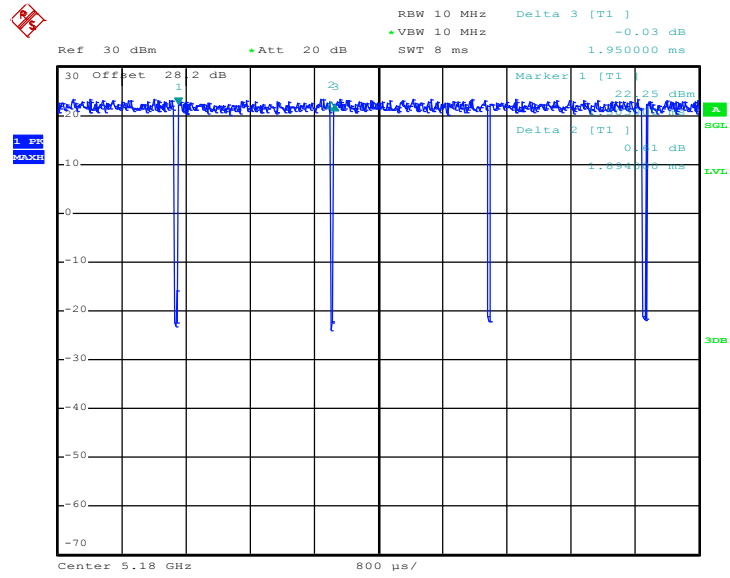


802.11n HT40



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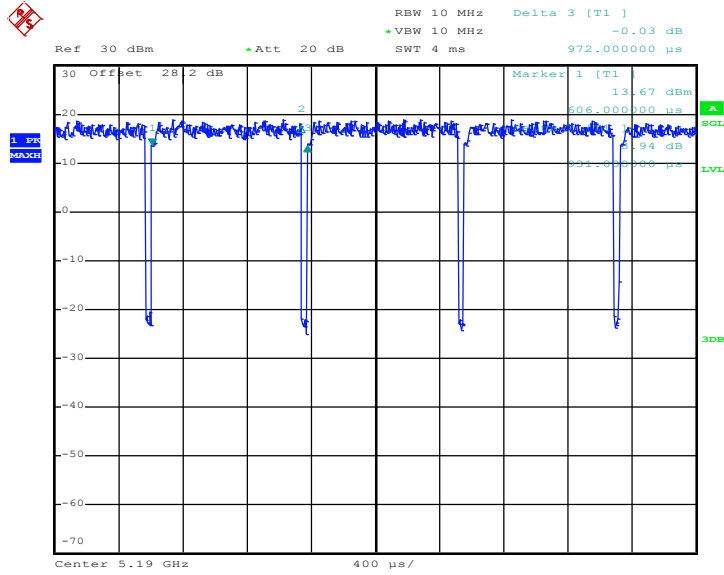
802.11ac VHT20



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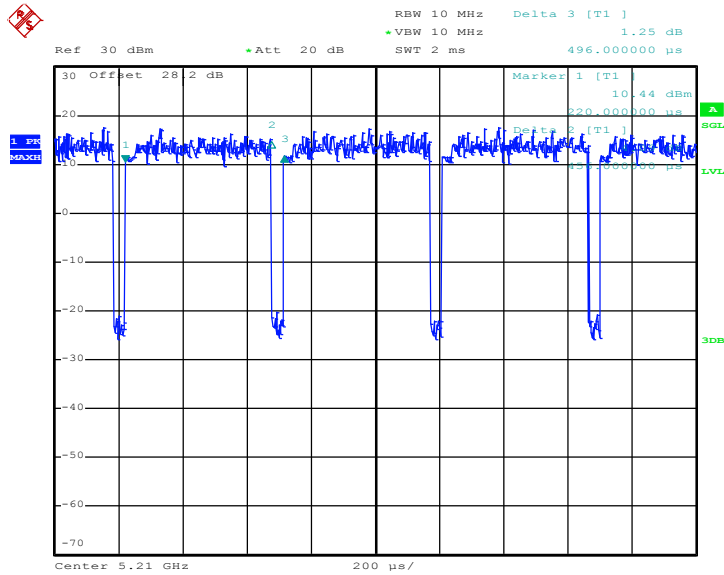


802.11ac VHT40



Date: 6.OCT.2018 01:16:27

802.11ac VHT80



Date: 6.OCT.2018 01:53:20

————THE END————