



FCC RF Test Report

APPLICANT : Circuit Board Design LLC
EQUIPMENT : Tablet
MODEL NAME : L5S83A
FCC ID : 2ANXB-5276
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Apr. 28, 2021 ~ May 08, 2021

We, Sporton International (ShenZhen) 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 test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (ShenZhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International (ShenZhen) Inc.

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People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR142601	Rev. 01	Initial issue of report	May 27, 2021
FR142601	Rev. 02	Remove section of Automatically Discontinue Transmission	Dec. 23, 2021

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result
3.1	2.1049 & 15.403(i)	26dB & 99% Bandwidth	-	N/A
3.2	15.407(a)	Maximum Conducted Output Power	≤ 24 dBm	Pass
3.3	15.407(a)	Power Spectral Density	≤ 11 dBm	Pass
3.4	15.407(b)	Unwanted Emissions	15.407(b) & 15.209(a)	Pass
-	15.207	AC Conducted Emission	15.207(a)	Not Required
3.5	15.203 & 15.407(a)	Antenna Requirement	N/A	N/A

Note: Not required means after assessing, test items are not necessary to carry out.

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

Circuit Board Design LLC

4320 Winfield Road Cornerstone @ Cantera Suite 200 Warrenville, Illinois, 60555

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet
Model Name	L5S83A
FCC ID	2ANXB-5276
EUT supports Radios application	WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 Bluetooth BR/EDR/LE
SW Version	107116

Remark: This is a variant report for L5S83A. The change note could be referred to the product equality declaration which is exhibit separately. Based on the similarity between current and previous project, only the related test cases from original test report (Sporton Report Number FR7O2504-01D) were verified for the differences.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency Range	5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Output Power to Antenna	<5260 MHz ~ 5320 MHz> 802.11a : 13.89 dBm / 0.0245 W 802.11n HT20 : 13.88 dBm / 0.0244 W 802.11n HT40 : 13.89 dBm / 0.0245 W <5500 MHz ~ 5720 MHz > 802.11a : 13.89 dBm / 0.0245 W 802.11n HT20 : 13.88 dBm / 0.0244 W 802.11n HT40 : 13.87 dBm / 0.0244 W
99% Occupied Bandwidth	<5260 MHz ~ 5320 MHz> 802.11a : 16.78 MHz 802.11n HT20 : 17.68 MHz 802.11n HT40 : 36.36 MHz <5500 MHz ~ 5720 MHz > 802.11a : 16.78 MHz 802.11n HT20 : 17.73 MHz 802.11n HT40 : 36.36 MHz
Antenna Type / Gain	<5250 MHz ~ 5350 MHz> Fixed Internal Antenna with gain -0.60 dBi <5470 MHz ~ 5725 MHz> Fixed Internal Antenna with gain -0.74 dBi
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

1.4 Modification of EUT

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



1.5 Testing Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International (Shenzhen) Inc.		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH02-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a



1.7 Applicable Standards

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

- ♦ 47 CFR Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ ANSI C63.10-2013

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5180-5240 MHz U-NII-1	36	5180	44	5220
	38	5190	46	5230
	40	5200	48	5240
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5260-5320 MHz U-NII-2A	52	5260	60	5300
	54	5270	62	5310
	56	5280	64	5320
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5500-5720 MHz U-NII-2C	100	5500	112	5560
	102	5510	116	5580
	104	5520	132	5660
	-	-	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
	-	-	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	-	-	144	5720
	142	5710		

2.2 Test Mode

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

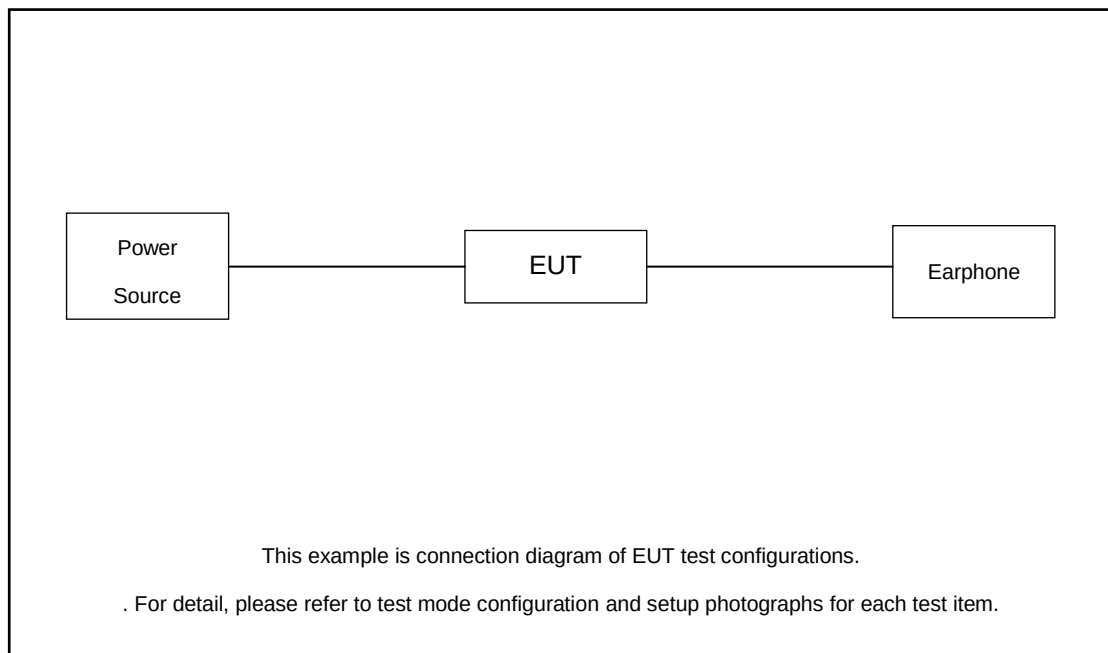
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500-5720MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500-5720MHz
		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. #		U-NII-1 : 5180-5240 MHz	U-NII-2A : 5260-5320 MHz	U-NII-2C : 5500-5720MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Model Name	FCC ID	Data Cable	Power Cord
1.	Earphone	MC690ZP/A	N/A	Shielded, 1.0m	N/A



2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuously transmit/receive.

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 6.60 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 6.60 + 10 = 16.60 \text{ (dB)}\end{aligned}$$

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.

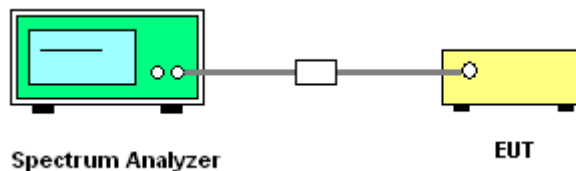
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

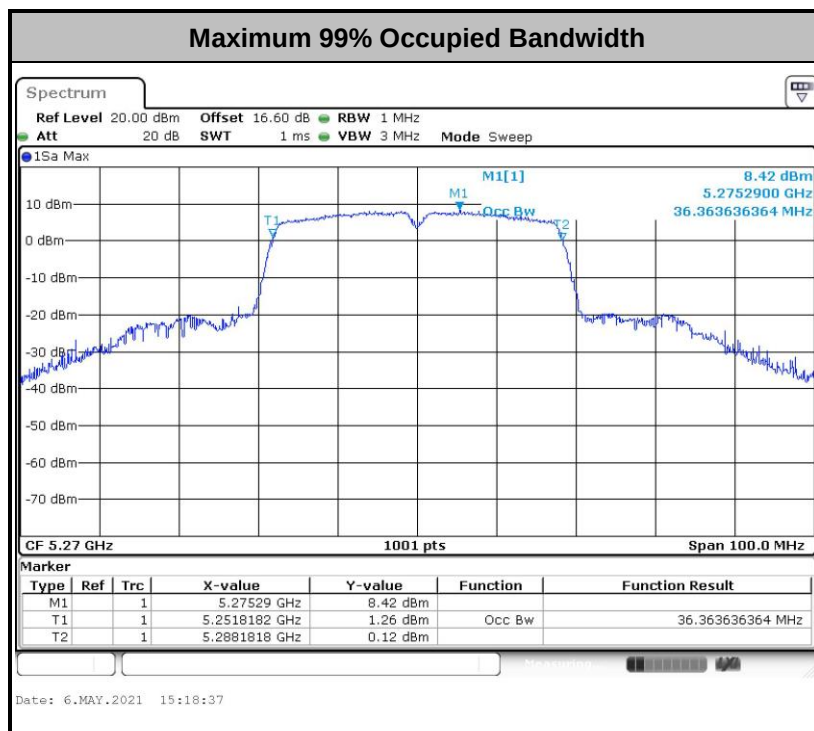
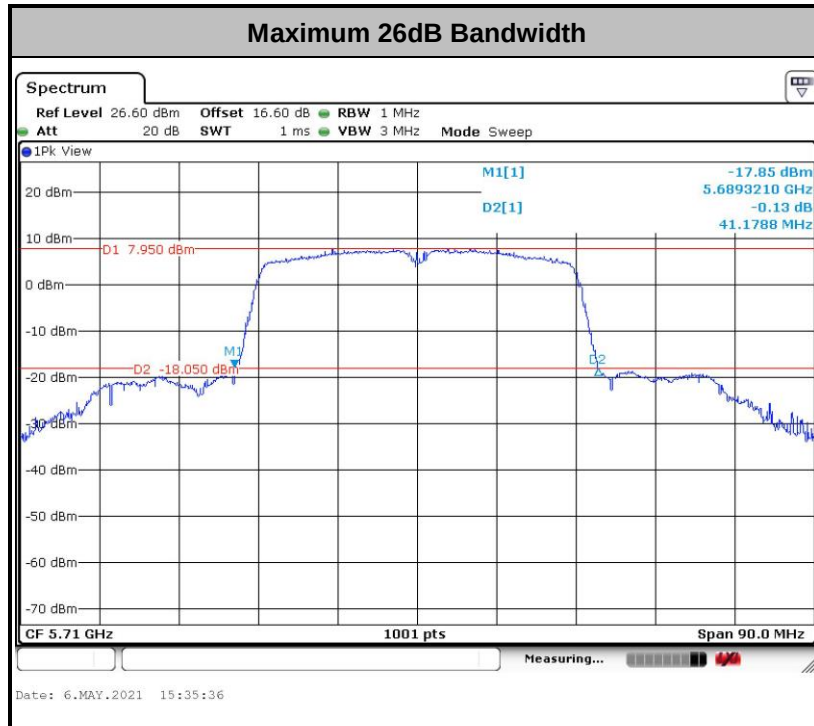
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB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

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

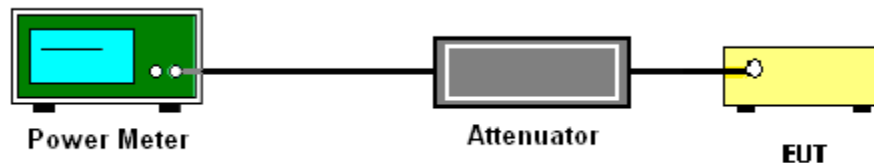
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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 mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz 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

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

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

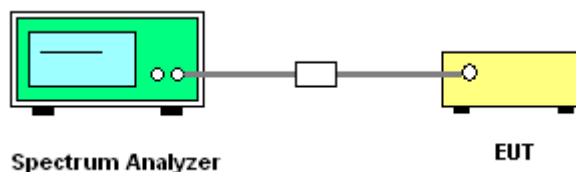
Section F) Maximum power spectral density.

Method SA-2

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

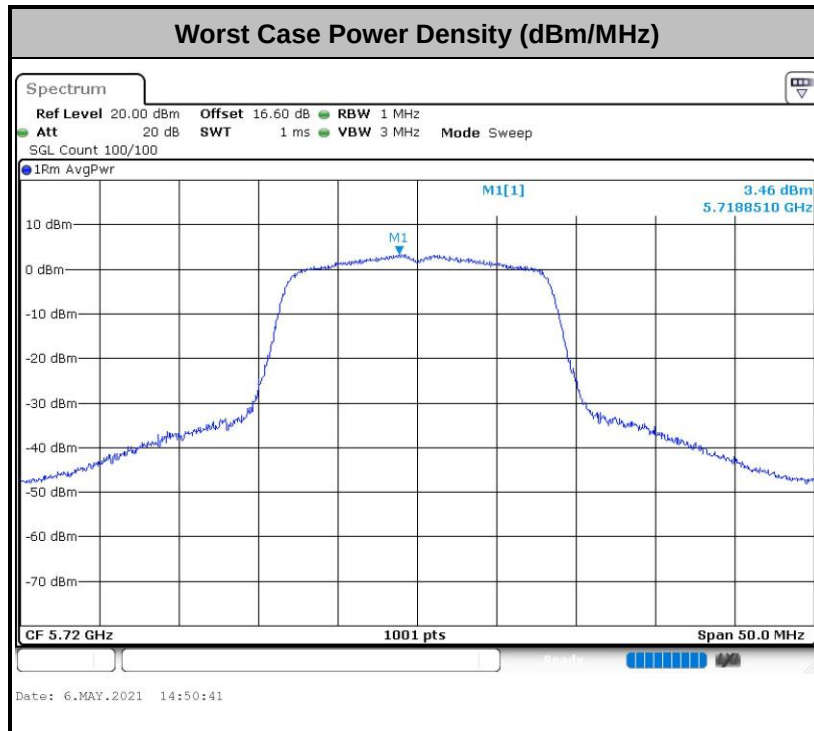
- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - 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.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

E_{Meas} is the field strength of the emission at the measurement distance, in dBμV/m

d_{Meas} is the measurement distance, in m

3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

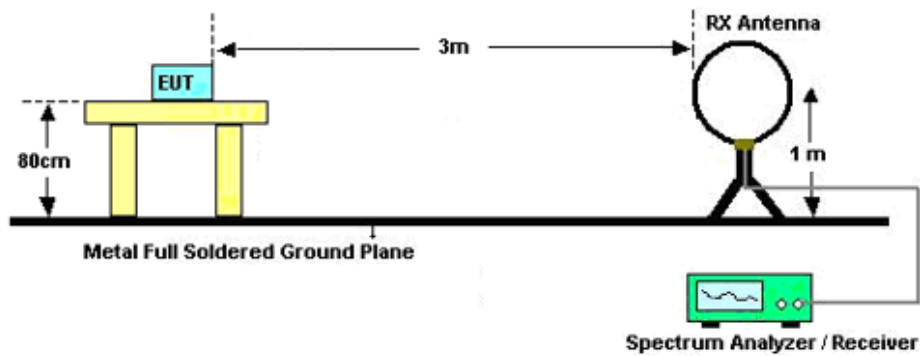
3.4.3 Test Procedures

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 $\geq$ 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.
 - Detector = peak.
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 peak limit (that means the emission level in average mode also complies with the limit in average

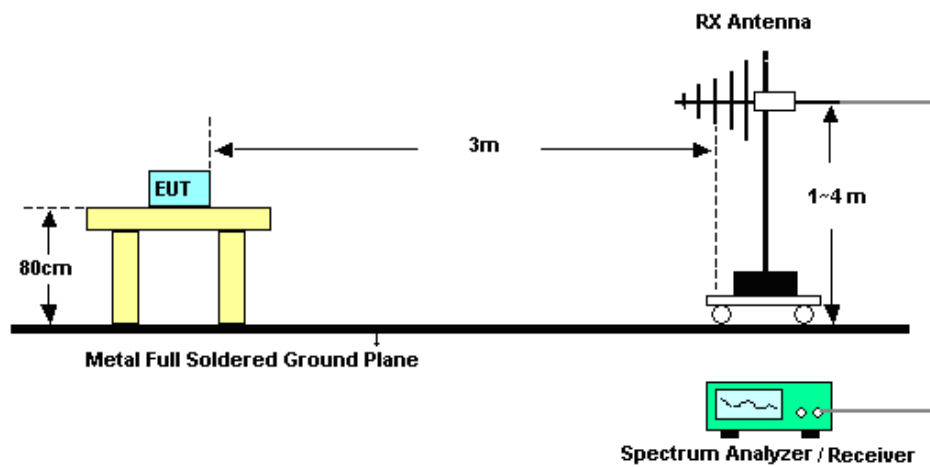
mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

3.4.4 Test Setup

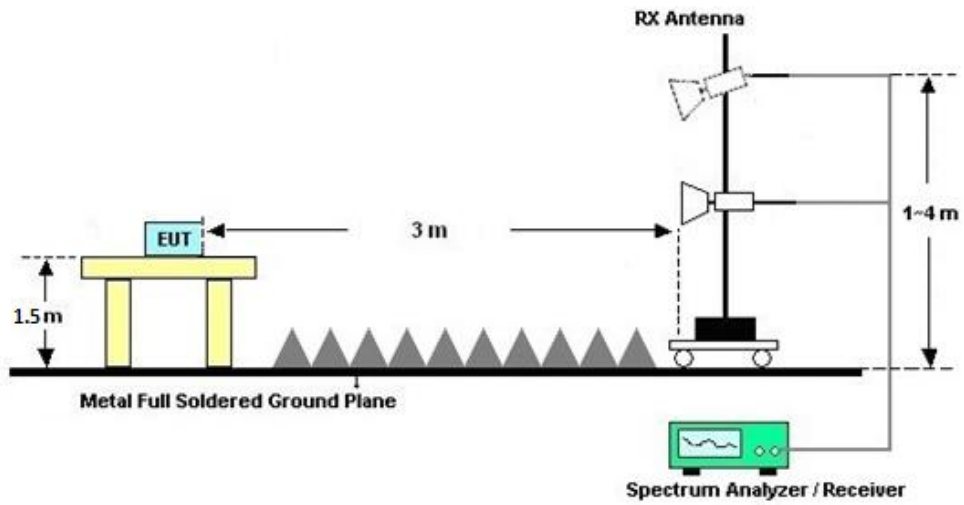
For radiated emissions below 30MHz



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 B and C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix B and C.



3.5 Antenna Requirements

3.5.1 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.

3.5.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.5.3 Antenna Gain

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



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	May 06, 2021	Apr. 07, 2022	Conducted (TH01-SZ)
Pulse Power Sensor	Anritsu	MA2411B	1207253	30MHz~40GHz	Dec. 25, 2020	May 06, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
Power Meter	Anritsu	ML2495A	1218010	50MHz Bandwidth	Dec. 25, 2020	May 06, 2021	Dec. 24, 2021	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 21, 2020	Apr. 28, 2021~May 08, 2021	Jul. 20, 2021	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Apr. 28, 2021~May 08, 2021	Jun. 21, 2021	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Jul. 15, 2020	Apr. 28, 2021~May 08, 2021	Jul. 14, 2021	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	May 23, 2020	Apr. 28, 2021~May 08, 2021	May 22, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 21, 2020	Apr. 28, 2021~May 08, 2021	Jul. 20, 2021	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz-40GHz	Apr. 23, 2021	Apr. 28, 2021~May 08, 2021	Apr. 22, 2022	Radiation (03CH02-SZ)
LF Amplifier	Burgeon	BPA-530	102211	0.01~3000Mhz	Oct. 16, 2020	Apr. 28, 2021~May 08, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-D	1943528	1GHz~18GHz	Oct. 16, 2020	Apr. 28, 2021~May 08, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5GHz	Oct. 16, 2020	Apr. 28, 2021~May 08, 2021	Oct. 15, 2021	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010002470	N/A	NCR	Apr. 28, 2021~May 08, 2021	NCR	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Apr. 28, 2021~May 08, 2021	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Apr. 28, 2021~May 08, 2021	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required

5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.2dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1dB
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Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Zhang Jiang	Temperature:	21~25	°C
Test Date:	2021/4/26	Relative Humidity:	51~54	%

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
11a	6M bps	1	52	5260	16.78	21.53	23.25	29.25	23.98	
11a	6M bps	1	60	5300	16.78	20.73	23.25	29.25	23.98	
11a	6M bps	1	64	5320	16.78	21.48	23.25	29.25	23.98	
HT20	MCS 0	1	52	5260	17.68	22.43	23.48	29.48	23.98	
HT20	MCS 0	1	60	5300	17.68	21.83	23.48	29.48	23.98	
HT20	MCS 0	1	64	5320	17.68	22.38	23.48	29.48	23.98	
HT40	MCS 0	1	54	5270	36.36	40.64	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.36	40.46	23.98	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
11a	6M bps	1	52	5260	0.49	13.89	23.98	-0.60	26.99	Pass
11a	6M bps	1	60	5300	0.49	13.82	23.98	-0.60	26.99	Pass
11a	6M bps	1	64	5320	0.49	13.84	23.98	-0.60	26.99	Pass
HT20	MCS 0	1	52	5260	0.53	13.88	23.98	-0.60	26.99	Pass
HT20	MCS 0	1	60	5300	0.53	13.86	23.98	-0.60	26.99	Pass
HT20	MCS 0	1	64	5320	0.53	13.85	23.98	-0.60	26.99	Pass
HT40	MCS 0	1	54	5270	1.04	13.82	23.98	-0.60	26.99	Pass
HT40	MCS 0	1	62	5310	1.04	13.89	23.98	-0.60	26.99	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
11a	6M bps	1	52	5260	0.49	3.73	11.00	-0.60		Pass
11a	6M bps	1	60	5300	0.49	3.59	11.00	-0.60		Pass
11a	6M bps	1	64	5320	0.49	3.46	11.00	-0.60		Pass
HT20	MCS 0	1	52	5260	0.53	3.49	11.00	-0.60		Pass
HT20	MCS 0	1	60	5300	0.53	3.60	11.00	-0.60		Pass
HT20	MCS 0	1	64	5320	0.53	3.29	11.00	-0.60		Pass
HT40	MCS 0	1	54	5270	1.04	0.32	11.00	-0.60		Pass
HT40	MCS 0	1	62	5310	1.04	0.07	11.00	-0.60		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III										
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
11a	6M bps	1	100	5500	16.78	27.12	23.25	29.25	23.98	
11a	6M bps	1	116	5580	16.78	23.78	23.25	29.25	23.98	
11a	6M bps	1	140	5700	16.78	22.18	23.25	29.25	23.98	
11a	6Mbps	1	144	5720	16.78	20.98	23.25	29.25	23.98	
HT20	MCS 0	1	100	5500	17.73	26.52	23.49	29.49	23.98	
HT20	MCS 0	1	116	5580	17.68	26.62	23.48	29.48	23.98	
HT20	MCS 0	1	140	5700	17.73	24.13	23.49	29.49	23.98	
HT20	MCS0	1	144	5720	17.68	23.68	23.48	29.48	23.98	
HT40	MCS 0	1	102	5510	36.26	40.46	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.26	41.00	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.36	40.73	23.98	30.00	23.98	
HT40	MCS0	1	142	5710	36.36	41.18	23.98	30.00	23.98	

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
11a	6M bps	1	100	5500	0.49	13.88	23.98	-0.74	26.99	Pass
11a	6M bps	1	116	5580	0.49	13.89	23.98	-0.74	26.99	Pass
11a	6M bps	1	140	5700	0.49	13.82	23.98	-0.74	26.99	Pass
11a	6M bps	1	144	5720	0.49	13.87	23.98	-0.74	26.99	Pass
HT20	MCS 0	1	100	5500	0.53	13.87	23.98	-0.74	26.99	Pass
HT20	MCS 0	1	116	5580	0.53	13.86	23.98	-0.74	26.99	Pass
HT20	MCS 0	1	140	5700	0.53	13.88	23.98	-0.74	26.99	Pass
HT20	MCS 0	1	144	5720	0.53	13.85	23.98	-0.74	26.99	Pass
HT40	MCS 0	1	102	5510	1.04	13.85	23.98	-0.74	26.99	Pass
HT40	MCS 0	1	110	5550	1.04	13.87	23.98	-0.74	26.99	Pass
HT40	MCS 0	1	134	5670	1.04	13.81	23.98	-0.74	26.99	Pass
HT40	MCS 0	1	142	5710	1.04	13.82	23.98	-0.74	26.99	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
11a	6M bps	1	100	5500	0.49	3.67	11.00	-0.74		Pass
11a	6M bps	1	116	5580	0.49	3.57	11.00	-0.74		Pass
11a	6M bps	1	140	5700	0.49	3.50	11.00	-0.74		Pass
11a	6Mbps	1	144	5720	0.49	3.95	11.00	-0.74		Pass
HT20	MCS 0	1	100	5500	0.53	3.44	11.00	-0.74		Pass
HT20	MCS 0	1	116	5580	0.53	3.54	11.00	-0.74		Pass
HT20	MCS 0	1	140	5700	0.53	3.51	11.00	-0.74		Pass
HT20	MCS0	1	144	5720	0.53	3.57	11.00	-0.74		Pass
HT40	MCS 0	1	102	5510	1.04	0.28	11.00	-0.74		Pass
HT40	MCS 0	1	110	5550	1.04	0.30	11.00	-0.74		Pass
HT40	MCS 0	1	134	5670	1.04	0.34	11.00	-0.74		Pass
HT40	MCS0	1	142	5710	1.04	0.11	11.00	-0.74		Pass



Appendix B. Radiated Spurious Emission

5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5097.5	49.21	-24.79	74	40.15	31.8	10.02	32.76	169	108	P	H
		5107.38	42.01	-11.99	54	32.92	31.83	10.02	32.76	169	108	A	H
	*	5260	105.55	-	-	96.94	31.3	10.17	32.86	169	108	P	H
		5260	99.28	-	-	90.67	31.3	10.17	32.86	169	108	A	H
		5432.4	48.44	-25.56	74	39.33	31.7	10.38	32.97	169	108	P	H
		5351.04	39.83	-14.17	54	31.15	31.3	10.3	32.92	169	108	A	H
		5128.18	48.74	-25.26	74	39.59	31.87	10.06	32.78	196	269	P	V
		5149.76	40.77	-13.23	54	31.6	31.9	10.06	32.79	196	269	A	V
	*	5260	106.23	-	-	97.62	31.3	10.17	32.86	196	269	P	V
		5260	100.05	-	-	91.44	31.3	10.17	32.86	196	269	A	V
		5361.36	48	-26	74	39.19	31.43	10.3	32.92	196	269	P	V
		5351.28	39.96	-14.04	54	31.28	31.3	10.3	32.92	196	269	A	V
802.11a CH 60 5300MHz		5016.8	49.15	-24.85	74	40.35	31.57	9.95	32.72	170	110	P	H
		5147.35	41.37	-12.63	54	32.2	31.9	10.06	32.79	170	110	A	H
	*	5300	105.4	-	-	96.78	31.3	10.21	32.89	170	110	P	H
		5300	99.41	-	-	90.79	31.3	10.21	32.89	170	110	A	H
		5384.4	48.53	-25.47	74	39.6	31.57	10.3	32.94	170	110	P	H
		5380.08	41.99	-12.01	54	33.06	31.57	10.3	32.94	170	110	A	H
		5051.45	48.05	-25.95	74	39.09	31.7	9.99	32.73	199	271	P	V
		5147.7	40.84	-13.16	54	31.67	31.9	10.06	32.79	199	271	A	V
	*	5300	105.31	-	-	96.69	31.3	10.21	32.89	199	271	P	V
		5300	99.09	-	-	90.47	31.3	10.21	32.89	199	271	A	V
		5355.84	49.28	-24.72	74	40.6	31.3	10.3	32.92	199	271	P	V
		5351.28	41.67	-12.33	54	32.99	31.3	10.3	32.92	199	271	A	V



802.11a CH 64 5320MHz	*	5320	104.87	-	-	96.2	31.3	10.26	32.89	167	109	P	H
		5320	98.81	-	-	90.14	31.3	10.26	32.89	167	109	A	H
		5354.88	49.85	-24.15	74	41.17	31.3	10.3	32.92	167	109	P	H
		5350.4	42.94	-11.06	54	34.26	31.3	10.3	32.92	167	109	A	H
	*	5320	104.09	-	-	95.42	31.3	10.26	32.89	208	304	P	V
		5320	97.9	-	-	89.23	31.3	10.26	32.89	208	304	A	V
		5359.68	50.37	-23.63	74	41.69	31.3	10.3	32.92	208	304	P	V
		5350.88	42.33	-11.67	54	33.65	31.3	10.3	32.92	208	304	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.7	-19.6	68.3	48.36	39.8	11.65	51.11	150	220	P	H
		15780	46.81	-27.19	74	47.5	37.63	14.78	53.1	159	345	P	H
		10520	48.67	-19.63	68.3	48.33	39.8	11.65	51.11	172	234	P	V
		15780	46.23	-27.77	74	46.92	37.63	14.78	53.1	124	281	P	V
802.11a CH 60 5300MHz		10600	48	-26	74	47.5	39.8	11.86	51.16	117	129	P	H
		15900	46.09	-27.91	74	47.15	37.4	14.86	53.32	167	143	P	H
		10600	48.76	-25.24	74	48.26	39.8	11.86	51.16	185	215	P	V
		15900	45.37	-28.63	74	46.43	37.4	14.86	53.32	196	190	P	V
802.11a CH 64 5320MHz		10640	47.76	-26.24	74	47.31	39.8	11.83	51.18	152	135	P	H
		15960	46.35	-27.65	74	47.49	37.4	14.89	53.43	173	245	P	H
		10640	47.95	-26.05	74	47.5	39.8	11.83	51.18	152	135	P	V
		15960	46.4	-27.6	74	47.54	37.4	14.89	53.43	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5149.24	49.64	-24.36	74	40.47	31.9	10.06	32.79	100	109	P	H
		5108.16	41.69	-12.31	54	32.6	31.83	10.02	32.76	100	109	A	H
	*	5260	105.91	-	-	97.3	31.3	10.17	32.86	100	109	P	H
		5260	99.79	-	-	91.18	31.3	10.17	32.86	100	109	A	H
		5356.56	48.17	-25.83	74	39.49	31.3	10.3	32.92	100	109	P	H
		5353.92	39.56	-14.44	54	30.88	31.3	10.3	32.92	100	109	A	H
		5147.16	48.39	-25.61	74	39.22	31.9	10.06	32.79	196	268	P	V
		5140.66	40.51	-13.49	54	31.33	31.9	10.06	32.78	196	268	A	V
	*	5260	105.75	-	-	97.14	31.3	10.17	32.86	196	268	P	V
		5260	99.72	-	-	91.11	31.3	10.17	32.86	196	268	A	V
		5412.96	47.8	-26.2	74	38.71	31.7	10.34	32.95	196	268	P	V
		5352.24	39.82	-14.18	54	31.14	31.3	10.3	32.92	196	268	A	V
802.11n HT20 CH 60 5300MHz		5057.4	48.36	-25.64	74	39.37	31.73	9.99	32.73	100	112	P	H
		5148.05	42.05	-11.95	54	32.88	31.9	10.06	32.79	100	112	A	H
	*	5300	105.13	-	-	96.51	31.3	10.21	32.89	100	112	P	H
		5300	98.84	-	-	90.22	31.3	10.21	32.89	100	112	A	H
		5377.44	49.45	-24.55	74	40.66	31.43	10.3	32.94	100	112	P	H
		5352.96	41.81	-12.19	54	33.13	31.3	10.3	32.92	100	112	A	H
		5013.65	47.63	-26.37	74	38.81	31.57	9.95	32.7	233	261	P	V
		5147.7	40.59	-13.41	54	31.42	31.9	10.06	32.79	233	261	A	V
	*	5300	105.46	-	-	96.84	31.3	10.21	32.89	233	261	P	V
		5300	99.38	-	-	90.76	31.3	10.21	32.89	233	261	A	V
		5353.68	49.72	-24.28	74	41.04	31.3	10.3	32.92	233	261	P	V
		5353.92	42.24	-11.76	54	33.56	31.3	10.3	32.92	233	261	A	V



802.11n HT20 CH 64 5320MHz	*	5320	104.95	-	-	96.28	31.3	10.26	32.89	100	109	P	H
		5320	98.78	-	-	90.11	31.3	10.26	32.89	100	109	A	H
		5356.8	50.07	-23.93	74	41.39	31.3	10.3	32.92	100	109	P	H
		5350.24	42.57	-11.43	54	33.89	31.3	10.3	32.92	100	109	A	H
	*	5320	104.74	-	-	96.07	31.3	10.26	32.89	226	261	P	V
		5320	98.67	-	-	90	31.3	10.26	32.89	226	261	A	V
		5353.76	49.88	-24.12	74	41.2	31.3	10.3	32.92	226	261	P	V
		5352	42.78	-11.22	54	34.1	31.3	10.3	32.92	226	261	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10520	48.48	-19.82	68.3	48.14	39.8	11.65	51.11	172	234	P	H
HT20		15780	45.7	-28.3	74	46.39	37.63	14.78	53.1	124	281	P	H
CH 52		10520	48.56	-19.74	68.3	48.22	39.8	11.65	51.11	150	220	P	V
5260MHz		15780	45.78	-28.22	74	46.47	37.63	14.78	53.1	159	345	P	V
802.11n		10600	48.35	-25.65	74	47.85	39.8	11.86	51.16	185	215	P	H
HT20		15900	46.26	-27.74	74	47.32	37.4	14.86	53.32	196	190	P	H
CH 60		10600	48.53	-25.47	74	48.03	39.8	11.86	51.16	117	129	P	V
5300MHz		15900	47.08	-26.92	74	48.14	37.4	14.86	53.32	167	143	P	V
802.11n		10640	48.1	-25.9	74	47.65	39.8	11.83	51.18	152	135	P	H
HT20		15960	47.21	-26.79	74	48.35	37.4	14.89	53.43	173	245	P	H
CH 64		10640	48.49	-25.51	74	48.04	39.8	11.83	51.18	152	135	P	V
5320MHz		15960	46.27	-27.73	74	47.41	37.4	14.89	53.43	173	245	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5093.1	50.91	-23.09	74	41.85	31.8	10.02	32.76	163	102	P	H
		5120.4	43.86	-10.14	54	34.75	31.83	10.06	32.78	163	102	A	H
	*	5270	102.5	-	-	93.89	31.3	10.17	32.86	163	102	P	H
		5270	95.71	-	-	87.1	31.3	10.17	32.86	163	102	A	H
		5352.24	49.45	-24.55	74	40.77	31.3	10.3	32.92	163	102	P	H
		5350.08	42.6	-11.4	54	33.92	31.3	10.3	32.92	163	102	A	H
		5099.4	50.09	-23.91	74	41.03	31.8	10.02	32.76	186	275	P	V
		5119.7	42.47	-11.53	54	33.36	31.83	10.06	32.78	186	275	A	V
	*	5270	102.08	-	-	93.47	31.3	10.17	32.86	186	275	P	V
		5270	94.94	-	-	86.33	31.3	10.17	32.86	186	275	A	V
		5420.16	48.65	-25.35	74	39.56	31.7	10.34	32.95	186	275	P	V
		5358.72	42.31	-11.69	54	33.63	31.3	10.3	32.92	186	275	A	V
802.11n HT40 CH 62 5310MHz		5010.85	48.41	-25.59	74	39.59	31.57	9.95	32.7	176	130	P	H
		5144.55	41.46	-12.54	54	32.29	31.9	10.06	32.79	176	130	A	H
	*	5310	101.97	-	-	93.3	31.3	10.26	32.89	176	130	P	H
		5310	95.88	-	-	87.21	31.3	10.26	32.89	176	130	A	H
		5350.08	58.48	-15.52	74	49.8	31.3	10.3	32.92	176	130	P	H
		5350.32	53.05	-0.95	54	44.37	31.3	10.3	32.92	176	130	A	H
		5014.7	48.28	-25.72	74	39.46	31.57	9.95	32.7	195	261	P	V
		5136.85	41.41	-12.59	54	32.26	31.87	10.06	32.78	195	261	A	V
	*	5310	102.8	-	-	94.13	31.3	10.26	32.89	195	261	P	V
		5310	96.32	-	-	87.65	31.3	10.26	32.89	195	261	A	V
		5350.08	61.03	-12.97	74	52.35	31.3	10.3	32.92	195	261	P	V
		5351.04	53.16	-0.84	54	44.48	31.3	10.3	32.92	195	261	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		10540	48.99	-19.31	68.3	48.62	39.8	11.69	51.12	122	340	P	H
HT40		15810	45.98	-28.02	74	46.93	37.4	14.81	53.16	168	345	P	H
CH 54		10540	49.16	-19.14	68.3	48.79	39.8	11.69	51.12	150	220	P	V
5270MHz		15810	45.92	-28.08	74	46.87	37.4	14.81	53.16	168	345	P	V
802.11n		10620	48.27	-25.73	74	47.79	39.8	11.85	51.17	130	120	P	H
HT40		15930	46.97	-27.03	74	48.06	37.4	14.88	53.37	160	100	P	H
CH 62		10620	48.81	-25.19	74	48.33	39.8	11.85	51.17	150	220	P	V
5310MHz		15930	46.11	-27.89	74	47.2	37.4	14.88	53.37	160	100	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5448.72	49.39	-24.61	74	40.28	31.7	10.38	32.97	166	109	P	H
		5469.52	53.4	-14.9	68.3	44.18	31.77	10.43	32.98	166	109	P	H
		5420.08	42	-12	54	32.91	31.7	10.34	32.95	166	109	A	H
	*	5500	105.53	-	-	96.2	31.9	10.43	33	166	109	P	H
		5500	99.33	-	-	90	31.9	10.43	33	166	109	A	H
		5441.84	49.84	-24.16	74	40.73	31.7	10.38	32.97	201	302	P	V
		5469.84	51.92	-16.38	68.3	42.7	31.77	10.43	32.98	201	302	P	V
		5457.36	41.36	-12.64	54	32.26	31.7	10.38	32.98	201	302	A	V
	*	5500	105.3	-	-	95.97	31.9	10.43	33	201	302	P	V
		5500	99.21	-	-	89.88	31.9	10.43	33	201	302	A	V
802.11a CH 116 5580MHz		5388.64	47.94	-26.06	74	38.97	31.57	10.34	32.94	166	111	P	H
		5463.76	46.7	-21.6	68.3	37.53	31.77	10.38	32.98	166	111	P	H
		5456.8	39.05	-14.95	54	29.95	31.7	10.38	32.98	166	111	A	H
	*	5580	105.15	-	-	95.86	31.73	10.52	32.96	166	111	P	H
		5580	98.97	-	-	89.68	31.73	10.52	32.96	166	111	A	H
		5755.235	47.82	-20.48	68.3	37.97	32.13	10.62	32.9	166	111	P	H
		5456.8	47.97	-26.03	74	38.87	31.7	10.38	32.98	203	302	P	V
		5460.16	45.91	-22.39	68.3	36.81	31.7	10.38	32.98	203	302	P	V
		5428.24	38.97	-15.03	54	29.86	31.7	10.38	32.97	203	302	A	V
	*	5580	104.68	-	-	95.39	31.73	10.52	32.96	203	302	P	V
		5580	98.29	-	-	89	31.73	10.52	32.96	203	302	A	V
		5732.555	48.26	-20.04	68.3	38.48	32.07	10.61	32.9	203	302	P	V



802.11a CH 140 5700MHz	*	5700	106.67	-	-	96.98	32	10.61	32.92	167	105	P	H
		5700	100.36	-	-	90.67	32	10.61	32.92	167	105	A	H
		5727.08	62.94	-5.36	68.3	53.17	32.07	10.61	32.91	167	105	P	H
	*	5700	106.27	-	-	96.58	32	10.61	32.92	210	302	P	V
		5700	100.02	-	-	90.33	32	10.61	32.92	210	302	A	V
		5727	63.88	-4.42	68.3	54.11	32.07	10.61	32.91	210	302	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	48.13	-25.87	74	47.42	40.1	12.01	51.4	163	230	P	H
		16500	48.92	-19.38	68.3	47.85	38.5	15.27	52.7	178	296	P	H
		11000	48.67	-25.33	74	47.96	40.1	12.01	51.4	196	296	P	V
		16500	48.04	-20.26	68.3	46.97	38.5	15.27	52.7	191	271	P	V
802.11a CH 116 5580MHz		11160	47	-27	74	46.5	39.67	12.1	51.27	170	296	P	H
		16740	49.79	-18.51	68.3	47.61	39.9	15.41	53.13	145	350	P	H
		11160	47.95	-26.05	74	47.45	39.67	12.1	51.27	170	200	P	V
		16740	50.62	-17.68	68.3	48.44	39.9	15.41	53.13	156	350	P	V
802.11a CH 140 5700MHz		11400	47.68	-26.32	74	46.67	39.9	12.19	51.08	157	221	P	H
		17100	50.36	-17.94	68.3	48.23	40.2	15.45	53.52	196	246	P	H
		11400	49.87	-24.13	74	48.86	39.9	12.19	51.08	157	285	P	V
		17100	49.98	-18.32	68.3	47.85	40.2	15.45	53.52	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5458.64	49.95	-24.05	74	40.85	31.7	10.38	32.98	168	108	P	H
		5468.4	51.25	-17.05	68.3	42.03	31.77	10.43	32.98	168	108	P	H
		5460	42.19	-11.81	54	33.09	31.7	10.38	32.98	168	108	A	H
	*	5500	104.96	-	-	95.63	31.9	10.43	33	168	108	P	H
		5500	98.78	-	-	89.45	31.9	10.43	33	168	108	A	H
		5447.44	50.06	-23.94	74	40.95	31.7	10.38	32.97	251	242	P	V
		5468.08	52.39	-15.91	68.3	43.17	31.77	10.43	32.98	251	242	P	V
		5457.36	41.65	-12.35	54	32.55	31.7	10.38	32.98	251	242	A	V
	*	5500	104.39	-	-	95.06	31.9	10.43	33	251	242	P	V
		5500	98.33	-	-	89	31.9	10.43	33	251	242	A	V
802.11n HT20 CH 116 5580MHz		5425.84	47.63	-26.37	74	38.56	31.7	10.34	32.97	166	111	P	H
		5462.56	47.43	-20.87	68.3	38.26	31.77	10.38	32.98	166	111	P	H
		5458	38.9	-15.1	54	29.8	31.7	10.38	32.98	166	111	A	H
	*	5580	104.17	-	-	94.88	31.73	10.52	32.96	166	111	P	H
		5580	98.18	-	-	88.89	31.73	10.52	32.96	166	111	A	H
		5737.28	48.27	-20.03	68.3	38.46	32.1	10.61	32.9	166	111	P	H
		5451.28	46.96	-27.04	74	37.86	31.7	10.38	32.98	255	249	P	V
		5463.76	46.52	-21.78	68.3	37.35	31.77	10.38	32.98	255	249	P	V
		5428.96	38.92	-15.08	54	29.81	31.7	10.38	32.97	255	249	A	V
	*	5580	105.13	-	-	95.84	31.73	10.52	32.96	255	249	P	V
		5580	99.06	-	-	89.77	31.73	10.52	32.96	255	249	A	V
		5731.61	48.8	-19.5	68.3	39.02	32.07	10.61	32.9	255	249	P	V



802.11n HT20 CH 140 5700MHz	*	5700	106.78	-	-	98.09	32	10.61	32.92	185	136	P	H
		5700	101.81	-	-	92.12	32	10.61	32.92	185	136	A	H
		5725.08	66.35	-1.95	68.3	56.58	32.07	10.61	32.91	185	136	P	H
	*	5700	106.21	-	-	96.52	32	10.61	32.92	183	91	P	V
		5700	99.29	-	-	89.6	32	10.61	32.92	183	91	A	V
		5726.04	66.28	-2.02	68.3	56.51	32.07	10.61	32.91	183	91	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11000	50.04	-23.96	74	49.33	40.1	12.01	51.4	196	296	P	H
HT20		16500	48.34	-19.96	68.3	47.27	38.5	15.27	52.7	191	271	P	H
CH 100		11000	49.77	-24.23	74	49.06	40.1	12.01	51.4	163	230	P	V
5500MHz		16500	48.09	-20.21	68.3	47.02	38.5	15.27	52.7	178	296	P	V
802.11n		11160	48.01	-25.99	74	47.51	39.67	12.1	51.27	170	200	P	H
HT20		16740	50.29	-18.01	68.3	48.11	39.9	15.41	53.13	156	350	P	H
CH 116		11160	48.49	-25.51	74	47.99	39.67	12.1	51.27	170	296	P	V
5580MHz		16740	50.14	-18.16	68.3	47.96	39.9	15.41	53.13	145	350	P	V
802.11n		11400	48.32	-25.68	74	47.31	39.9	12.19	51.08	157	221	P	H
HT20		17100	50.69	-17.61	68.3	48.56	40.2	15.45	53.52	196	246	P	H
CH 140		11400	47.98	-26.02	74	46.97	39.9	12.19	51.08	157	285	P	V
5700MHz		17100	50.34	-17.96	68.3	48.21	40.2	15.45	53.52	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5458.96	54.43	-19.57	74	45.33	31.7	10.38	32.98	199	129	P	H
		5469.52	64.69	-3.61	68.3	55.47	31.77	10.43	32.98	199	129	P	H
		5459.92	47.17	-6.83	54	38.07	31.7	10.38	32.98	199	129	A	H
	*	5510	101.24	-	-	91.86	31.9	10.47	32.99	199	129	P	H
		5510	93.94	-	-	84.56	31.9	10.47	32.99	199	129	A	H
		5758.7	48.81	-19.49	68.3	38.95	32.13	10.62	32.89	199	129	P	H
		5456.56	54.19	-19.81	74	45.09	31.7	10.38	32.98	192	86	P	V
		5468.8	60.27	-8.03	68.3	51.05	31.77	10.43	32.98	192	86	P	V
		5459.92	45.94	-8.06	54	36.84	31.7	10.38	32.98	192	86	A	V
	*	5510	101.44	-	-	92.06	31.9	10.47	32.99	192	86	P	V
		5510	94.64	-	-	85.26	31.9	10.47	32.99	192	86	A	V
		5726.57	47.73	-20.57	68.3	37.96	32.07	10.61	32.91	192	86	P	V
802.11n HT40 CH 110 5550MHz		5456.08	48.59	-25.41	74	39.49	31.7	10.38	32.98	195	129	P	H
		5462.32	47.83	-20.47	68.3	38.73	31.7	10.38	32.98	195	129	P	H
		5459.44	39.88	-14.12	54	30.78	31.7	10.38	32.98	195	129	A	H
	*	5550	101.71	-	-	92.47	31.7	10.52	32.98	195	129	P	H
		5550	94.09	-	-	84.85	31.7	10.52	32.98	195	129	A	H
		5732.555	48.53	-19.77	68.3	38.75	32.07	10.61	32.9	195	129	P	H
		5431.6	47.67	-26.33	74	38.56	31.7	10.38	32.97	197	289	P	V
		5470	48.48	-19.82	68.3	39.26	31.77	10.43	32.98	197	289	P	V
		5458.48	40.22	-13.78	54	31.12	31.7	10.38	32.98	197	289	A	V
	*	5550	102.44	-	-	93.2	31.7	10.52	32.98	197	289	P	V
		5550	95.76	-	-	86.52	31.7	10.52	32.98	197	289	A	V
		5727.83	47.43	-20.87	68.3	37.66	32.07	10.61	32.91	197	289	P	V



802.11n HT40 CH 134 5670MHz		5426.65	47	-27	74	37.89	31.7	10.38	32.97	192	128	P	H
		5460.6	46.22	-22.08	68.3	37.12	31.7	10.38	32.98	192	128	P	H
		5445.9	38.6	-15.4	54	29.49	31.7	10.38	32.97	192	128	A	H
	*	5670	103.55	-	-	94.04	31.85	10.59	32.93	192	128	P	H
		5670	96.63	-	-	87.12	31.85	10.59	32.93	192	128	A	H
		5727.025	65.54	-2.76	68.3	55.77	32.07	10.61	32.91	192	128	P	H
		5406.7	46.8	-27.2	74	37.71	31.7	10.34	32.95	196	288	P	V
		5460.6	46.56	-21.74	68.3	37.46	31.7	10.38	32.98	196	288	P	V
		5459.9	38.87	-15.13	54	29.77	31.7	10.38	32.98	196	288	A	V
	*	5670	104.02	-	-	94.51	31.85	10.59	32.93	196	288	P	V
		5670	96.77	-	-	87.26	31.85	10.59	32.93	196	288	A	V
		5727.2	65.93	-2.37	68.3	56.16	32.07	10.61	32.91	196	288	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11020	48.38	-25.62	74	47.67	40.05	12.04	51.38	150	222	P	H
HT40		16530	48.89	-19.41	68.3	47.71	38.67	15.26	52.75	160	300	P	H
CH 102		11020	48.34	-25.66	74	47.63	40.05	12.04	51.38	170	230	P	V
5510MHz		16530	49.23	-19.07	68.3	48.05	38.67	15.26	52.75	160	300	P	V
802.11n		11100	49.11	-24.89	74	48.46	39.8	12.17	51.32	150	200	P	H
HT40		16650	50.19	-18.11	68.3	48.43	39.45	15.28	52.97	180	350	P	H
CH 110		11100	48.67	-25.33	74	48.02	39.8	12.17	51.32	154	230	P	V
5550MHz		16650	49.6	-18.7	68.3	47.84	39.45	15.28	52.97	120	330	P	V
802.11n		11340	46.92	-27.08	74	45.88	39.83	12.34	51.13	200	360	P	H
HT40		17010	50.75	-17.55	68.3	48.22	40.53	15.59	53.59	200	360	P	H
CH 134		11340	50.09	-23.91	74	49.05	39.83	12.34	51.13	200	360	P	V
5670MHz		17010	50.46	-17.84	68.3	47.93	40.53	15.59	53.59	200	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	47.18	-26.82	74	46.02	39.97	12.24	51.05	157	285	P	H
		17160	50.76	-17.54	68.3	48.45	40.2	15.58	53.47	165	246	P	H
		11440	47.05	-26.95	74	45.89	39.97	12.24	51.05	157	285	P	V
		17160	51.55	-16.75	68.3	49.24	40.2	15.58	53.47	165	246	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11440	47.62	-26.38	74	46.46	39.97	12.24	51.05	157	285	P	H
HT20		17160	48.2	-20.1	68.3	45.89	40.2	15.58	53.47	165	246	P	H
CH 144		11440	47.16	-26.84	74	46	39.97	12.24	51.05	157	285	P	V
5720MHz		17160	48.49	-19.81	68.3	20.32	40.2	22.36	34.39	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n		11420	48.57	-25.43	74	47.48	39.93	12.22	51.06	157	285	P	H
HT40		17130	50.45	-17.85	68.3	48.24	40.2	15.51	53.5	165	246	P	H
CH 142		11420	48.77	-25.23	74	47.68	39.93	12.22	51.06	157	285	P	V
5710MHz		17130	50.37	-17.93	68.3	48.16	40.2	15.51	53.5	165	246	P	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	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		30.97	27.55	-12.45	40	40.04	18.91	0.57	31.97	185	89	P	H
		112.45	22.4	-21.1	43.5	36.46	16.53	1.09	31.68	-	-	P	H
		192.96	22.01	-21.49	43.5	35.25	16.69	1.43	31.36	-	-	P	H
		395.69	29.72	-16.28	46	36.77	22.03	2.11	31.19	-	-	P	H
		704.15	32.29	-13.71	46	33.68	27	2.87	31.26	-	-	P	H
		874.87	32.06	-13.94	46	31.19	28.78	3.26	31.17	-	-	P	H
		30	27.11	-12.89	40	39.67	18.85	0.56	31.97	125	189	P	V
		47.46	26.98	-13.02	40	37.97	20.27	0.7	31.96	-	-	P	V
		125.06	22.83	-20.67	43.5	35.83	17.48	1.15	31.63	-	-	P	V
		396.66	30.58	-15.42	46	37.61	22.05	2.11	31.19	-	-	P	V
		709.97	30.36	-15.64	46	31.68	27.05	2.88	31.25	-	-	P	V
		904.94	32.65	-13.35	46	31.29	29.21	3.33	31.18	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix C. Radiated Spurious Emission

Note symbol

-L	Low channel location
-R	High channel location



5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Site Condition : 03CH02-S2 PAET 15.407 3m HF ANT 91200-1285 HORIZONTAL RBW 1000 000KHz VBW 3000 000KHz Project Mode : Mode 1 SN : GWW0J0027516F057 Plane Z With Accessory GM Power setting 16	Date: 3 Site Condition : 03CH02-S2 PAET 15.407 3m HF ANT 91200-1285 HORIZONTAL RBW 1000 000KHz VBW 3000 000KHz Project Mode : Mode 1 SN : GWW0J0027516F057 Plane Z With Accessory GM Power setting 16
Avg.	Date: 2 Site Condition : 03CH02-S2 PAET 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL RBW 1000 000KHz VBW 1 000KHz Project Mode : Mode 1 SN : GWW0J0027516F057 Plane Z With Accessory GM Power setting 16	

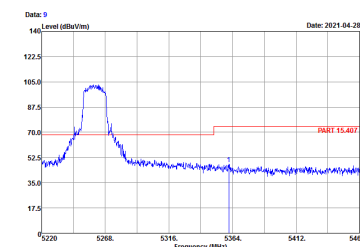
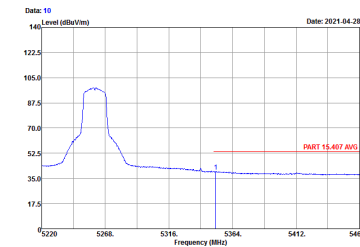


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 1 SN : G0W0J0027516F067 Plane : Z With Accessory GM Power setting 16	—
Avg.	Date: 5 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW: 1.000kHz Project : 142601 Mode : Mode 1 SN : G0W0J0027516F067 Plane : Z With Accessory GM Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	Vertical Date: 6 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : RSW 1000.000kHz VBW 3000.000kHz Mode : 142601 SN : COWU0027516F957 Plane : Z With Accessory GM Power setting 15	Fundamental Date: 8 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : RSW 1000.000kHz VBW 3000.000kHz Mode : 142601 SN : COWU0027516F957 Plane : Z With Accessory GM Power setting 15
Avg.	Vertical Date: 7 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL Project : RSW 1000.000kHz VBW 1.000kHz Mode : 142601 SN : COWU0027516F957 Plane : Z With Accessory GM Power setting 15	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 1 SN : G0W0UJ0027516F057 Plane : Z With Accessory GM Power setting 16	—
Avg.	 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 1 SN : G0W0UJ0027516F057 Plane : Z With Accessory GM Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RESW 1000.000kHz VSW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory : 6M Power setting 15	Date: 3 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RESW 1000.000kHz VSW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory : 6M Power setting 15
Avg.	Date: 2 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RESW 1000.000kHz VSW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory : 6M Power setting 15	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory GM Power setting 16	—
Avg.	Date: 5 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory GM Power setting 16	—

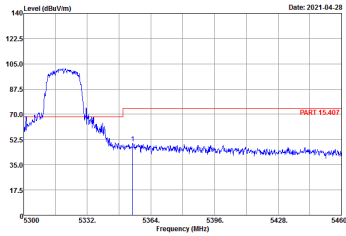
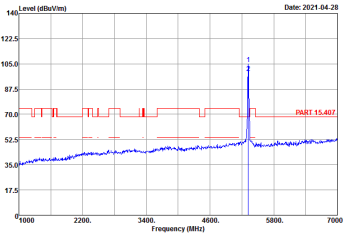
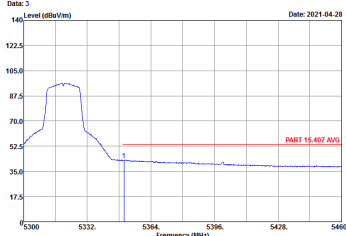


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	Date: 6 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory GM Power setting 15	Date: 8 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory GM Power setting 15
Avg.	Date: 7 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F057 Plane : Z With Accessory GM Power setting 15	

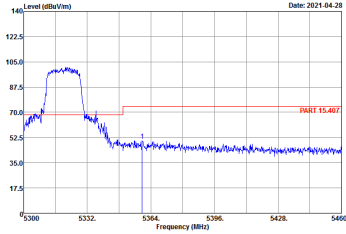
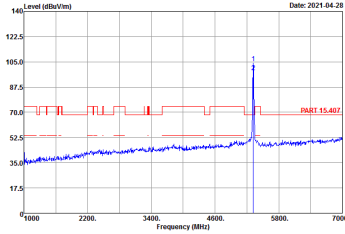
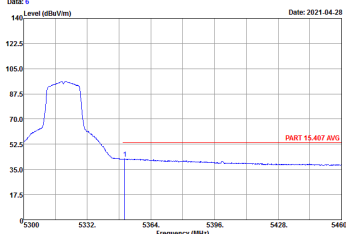


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	Date: 9 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5220 5268 5316 5364 5412 5460 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91280-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F957 Plane : Z With Accessory GM Power setting 16	—
Avg.	Date: 10 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5220 5268 5316 5364 5412 5460 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91280-1285 VERTICAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 2 SN : G0W0L0027516F957 Plane : Z With Accessory GM Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	Date: 2 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	Date: 1 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15
Avg.	Date: 3 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RBW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	Date: 4 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RBW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15
Avg.	Date: 6 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL : RBW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 3 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	



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

WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PA07 15.407 3m HF ANT 9120D-1285 HORIZONTAL Project : REW 1000.000kHz VIEW 3000.000kHz Mode : 142601 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16	Date: 3 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PA07 15.407 3m HF ANT 9120D-1285 HORIZONTAL Project : REW 1000.000kHz VIEW 3000.000kHz Mode : 142601 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Date: 2021-04-28 Site : 03CH02-SZ Condition : PA07 15.407 AVG 3m HF ANT 9120D-1285 HORIZONTAL Project : REW 1000.000kHz VIEW 1.000kHz Mode : 142601 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 4 SN : G0W0L0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 5 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 4 SN : G0W0L0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 4 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 4 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 4 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	Date: 9 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL RSM: 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 4 SN : G0W0L0027516F067 Plane : Z With Accessory MCS0 Power setting 16	—
Avg.	Date: 10 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL RSM: 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 4 SN : G0W0L0027516F067 Plane : Z With Accessory MCS0 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 5 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	Date: 3 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 5 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 5 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 5 SN : G0W0U0027516F067 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 5 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 HORIZONTAL RSM: 1000.000kHz VBW: 1.000kHz Project : 142601 Mode : Mode 5 SN : G0W0U0027516F067 Plane : Z With Accessory MCS9 Power setting 16	—

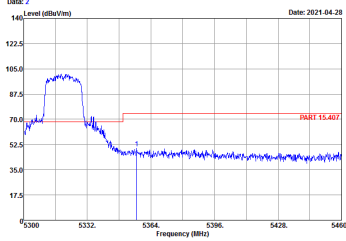
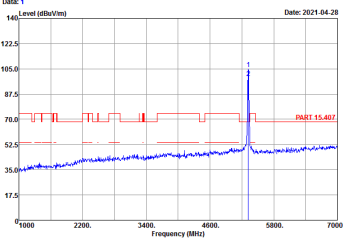
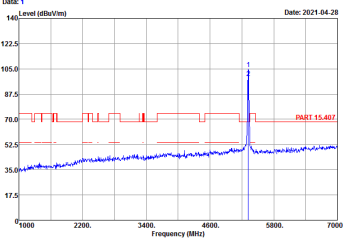
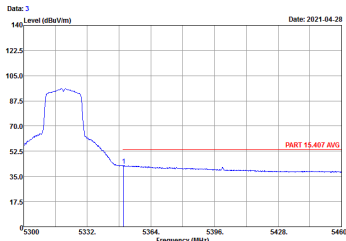


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	Peak Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 5 SN : 02W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 5 SN : 02W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Avg. Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 5 SN : 02W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	Date: 9 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91280-1285 VERTICAL Project : 142601 Mode : Mode 5 SN : G0W0J0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 10 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91280-1285 VERTICAL Project : 142601 Mode : Mode 5 SN : G0W0J0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16  Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16 	Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16 
Avg.	Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16 	



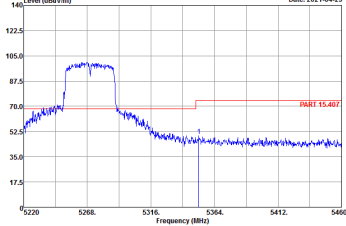
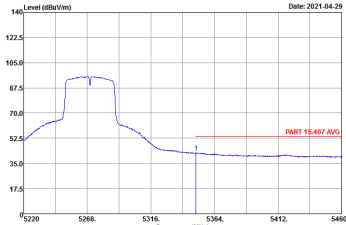
WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSLW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSLW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Date: 6 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL RSLW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 6 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	



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

WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PA01 15.407 3m HF ANT 9120D-1285 HORIZONTAL REW 1000.000kHz VIEW 3000.000kHz Project : 142601 Mode : Mode 7 SN : GOWU0027516F057 Plane : Z With Accessory MCS0 Power setting 16	Date: 3 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PA01 15.407 3m HF ANT 9120D-1285 HORIZONTAL REW 1000.000kHz VIEW 3000.000kHz Project : 142601 Mode : Mode 7 SN : GOWU0027516F057 Plane : Z With Accessory MCS0 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PA01 15.407 AVG 3m HF ANT 9120D-1285 HORIZONTAL REW 1000.000kHz VIEW 3000.000kHz Project : 142601 Mode : Mode 7 SN : GOWU0027516F057 Plane : Z With Accessory MCS0 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBuV/m) Date: 2021-04-29  Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL REBW: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 5 Level (dBuV/m) Date: 2021-04-29  Site : 63CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91280-1285 HORIZONTAL REBW: 1000.000kHz VBW: 3.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—

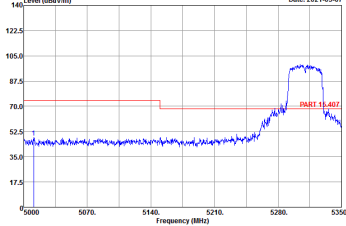
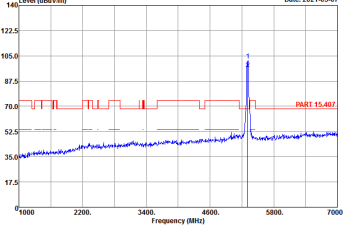
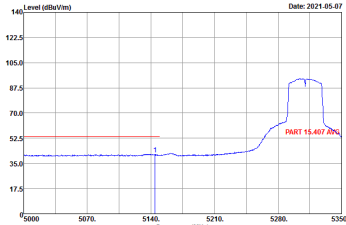


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Vertical	Vertical
Peak	Date: 6 Level (dBuV/m) Date: 2021-04-29 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL RSLW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Date: 8 Level (dBuV/m) Date: 2021-05-07 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL RSLW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Date: 7 Level (dBuV/m) Date: 2021-04-29 Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91280-1285 VERTICAL RSLW 1000.000kHz VBW 3.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	Date: 9 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5220 5268 5316 5364 5412 5460 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Rbw: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 10 Level (dBuV/m) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 5220 5268 5316 5364 5412 5460 Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL Rbw: 1000.000kHz VBW: 3.000kHz Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—

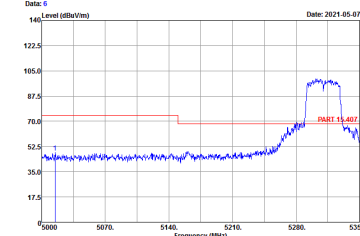
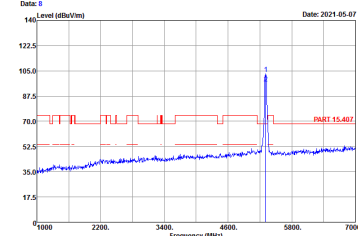
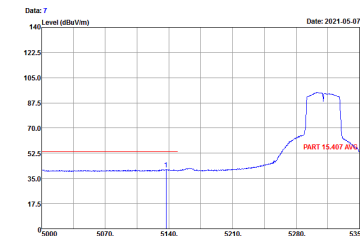


WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH03-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 9 SN : G9WUJ0027516F057 Plane : Z With Accessory : MCS9 Power setting 16	Date: 3 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH03-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 9 SN : G9WUJ0027516F057 Plane : Z With Accessory : MCS9 Power setting 16
Avg.	Date: 2 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH03-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000.000kHz VBW 3.000kHz Project : 142601 Mode : Mode 9 SN : G9WUJ0027516F057 Plane : Z With Accessory : MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	Date: 4 Date: 2021-05-07 Site : 03CH03-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory Plane : MCS9 Power setting 16	—
Avg.	Date: 5 Date: 2021-05-07 Site : 03CH03-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory Plane : MCS9 Power setting 16	—



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Vertical	Fundamental
Peak	Date: 6 Level (dBuV/m) Date: 2021-05-07  Site : 03CH03-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	Date: 8 Level (dBuV/m) Date: 2021-05-07  Site : 03CH03-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Date: 7 Level (dBuV/m) Date: 2021-05-07  Site : 03CH03-SZ Condition : PART 15.407 AVG 3m HF_ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3.000kHz Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	



WIFI	5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Vertical	Fundamental
Peak	Date: 9 Level (dBuV/m) Frequency (MHz) Site : 03CH03-SZ Condition : PART 15.407 3m HF_ANT 91280-1285 VERTICAL RBNW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—
Avg.	Date: 10 Level (dBuV/m) Frequency (MHz) Site : 03CH03-SZ Condition : PART 15.407 AVG 3m HF_ANT 91280-1285 VERTICAL RBNW 1000.000kHz VBW 3.000kHz Project : 142601 Mode : Mode 9 SN : G0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	—

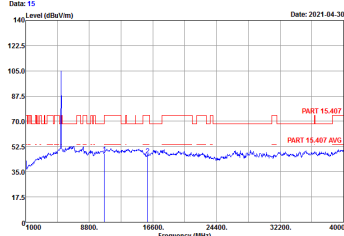
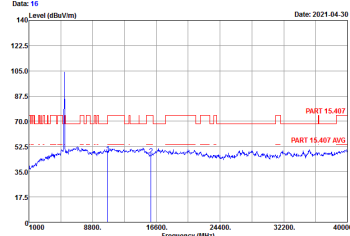
5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH02-S2 Condition : PART 15.407 3m ANT101071_400 HORIZONTAL Project : 142601 Mode : Mode 1 SN : Q0W0J0027516F057 Plane : Z With Accessory GM Power setting 16	Site : 03CH02-S2 Condition : PART 15.407 3m HP_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 1 SN : Q0W0J0027516F057 Plane : Z With Accessory GM Power setting 16



WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 19 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 2 SN : G0W00J0027019F167 Plane : Z-Wire-Accessory GM Power setting 15	Date: 20 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 2 SN : G0W00J0027019F167 Plane : Z-Wire-Accessory GM Power setting 15



WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 15 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ Project : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Mode : Mode 3 SN : G0W00J0027019F167 Plane : Z-Wire-Accessory GM Power setting 15	Date: 16 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ Project : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Mode : Mode 3 SN : G0W00J0027019F167 Plane : Z-Wire-Accessory GM Power setting 15



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

WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 4 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16	Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 4 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16

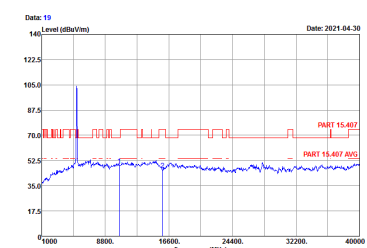
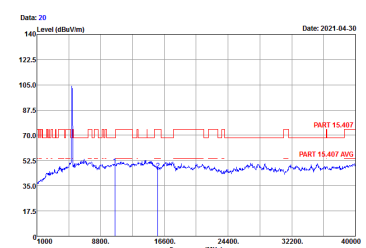


WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 19 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 5 SN : G0W0000027019F167 Plane : Z-Wire-Accessory MCS0 Power setting 16	Date: 20 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 5 SN : G0W0000027019F167 Plane : Z-Wire-Accessory MCS0 Power setting 16



WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 15 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 6 SN : G0W0000027019F167 Plane : Z Web Accessory MCS0 Power setting 16	Date: 16 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 6 SN : G0W0000027019F167 Plane : Z Web Accessory MCS0 Power setting 16

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

WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Date: 19 Level (dBuV/m) Date: 2021-04-30 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16	 Date: 20 Level (dBuV/m) Date: 2021-04-30 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 7 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16



WIFI	5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	Date: 19 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode B SN : G0W0000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16	Date: 20 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode B SN : G0W0000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16
	Date: 19 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode B SN : G0W0000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16	Date: 20 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode B SN : G0W0000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16



5470~5725MHz

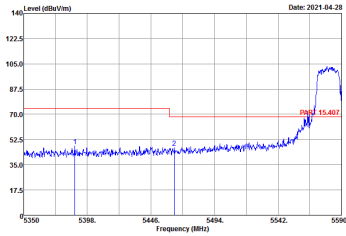
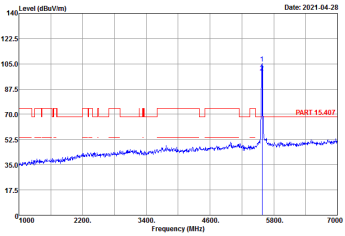
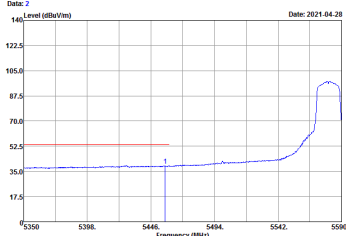
WIFI 802.11a (Band Edge @ 3m)

WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Site Condition : 03CH02-S2 : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000 000KHz VBW 3000 000KHz Project : 142601 Mode : Mode 10 SN : GOWOJ0027516F057 Plane : Z With Accessory : GM Power setting 16	Date: 3 Level (dBuV/m) Site Condition : 03CH02-S2 : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000 000KHz VBW 3000 000KHz Project : 142601 Mode : Mode 10 SN : GOWOJ0027516F057 Plane : Z With Accessory : GM Power setting 16
Avg.	Date: 2 Level (dBuV/m) Site Condition : 03CH02-S2 : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RBW 1000 000KHz VBW 1 000KHz Project : 142601 Mode : Mode 10 SN : GOWOJ0027516F057 Plane : Z With Accessory : GM Power setting 16	



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 10 SN : G0W0U0027516F057 Plane : Z With Accessory GM Power setting 16	Date: 6 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 10 SN : G0W0U0027516F057 Plane : Z With Accessory GM Power setting 16
Avg.	Date: 5 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 10 SN : G0W0U0027516F057 Plane : Z With Accessory GM Power setting 16	

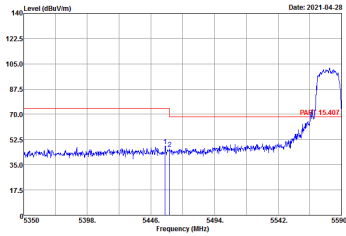
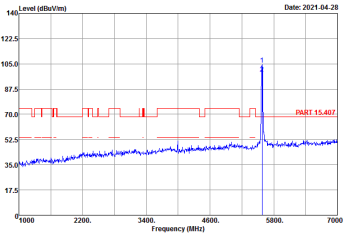
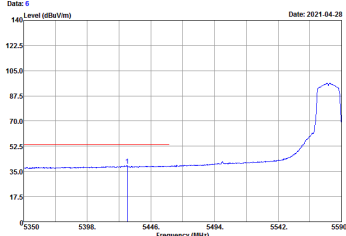


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	Date: 3 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15
Avg.	Date: 2 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F057 Plane : Z With Accessory : 6M Power setting 15	



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBm/Vm) Date: 2021-04-28 Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL FREQ: 1000.000kHz VSW: 3000.000kHz Project : 142891 Mode : Mode 11 SN : C0WV0J0027516F057 Plane : Z With Accessory GSM Power setting: 15	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F957 Plane : Z With Accessory : 6M Power setting 15	Date: 7 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F957 Plane : Z With Accessory : 6M Power setting 15
Avg.	Date: 6 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 11 SN : G0W0U0027516F957 Plane : Z With Accessory : 6M Power setting 15	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	Date: 8 Level (dBm/Vm) Date: 2021-04-28 Frequency (MHz) Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL Project : 142891 Mode : Mode 11 SN : C0WV0J0027516F057 Plane : Z With Accessory GM Power setting 15	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Date: 2 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL RBW: 1000 000kHz VBW: 3000 000kHz Project : 142601 Mode : Mode 12 SN : C8WV0J0027516F957 Plane : Z With Accessory 9M Power setting 15	Date: 1 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL RBW: 1000 000kHz VBW: 3000 000kHz Project : 142601 Mode : Mode 12 SN : C8WV0J0027516F957 Plane : Z With Accessory 9M Power setting 15



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RBW: 1000 000kHz VBW: 3000 000kHz Project : 142601 Mode : Mode 12 SN : C2WV0.0027516F957 Plane : Z With Accessory 9M Power setting 15	Date: 3 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RBW: 1000 000kHz VBW: 3000 000kHz Project : 142601 Mode : Mode 12 SN : C2WV0.0027516F957 Plane : Z With Accessory 9M Power setting 15



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

WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	Date: 1 Date: 2021-04-28 Site Condition : 03CH02-SZ : PAKT 15.407 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VEW 3000.000kHz Project : 142601 Mode : Mode 13 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	Date: 3 Date: 2021-04-29 Site Condition : 03CH02-SZ : PAKT 15.407 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VEW 3000.000kHz Project : 142601 Mode : Mode 13 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16
Avg.	Date: 2 Date: 2021-04-30 Site Condition : 03CH02-SZ : PAKT 15.407 AVG 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VEW 1.000kHz Project : 142601 Mode : Mode 13 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Vertical	Fundamental
Peak	Date: 4 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.487 3m HF ANT 91280-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 13 SN : G0W00.0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	Date: 6 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.487 3m HF ANT 91280-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 13 SN : G0W00.0027516F957 Plane : Z With Accessory : MCS9 Power setting 16
Avg.	Date: 5 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.487 AVG 3m HF ANT 91280-1285 VERTICAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 13 SN : G0W00.0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	-

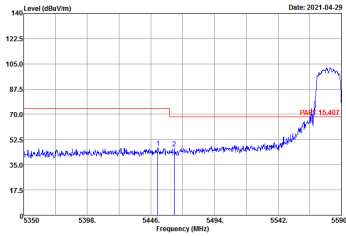
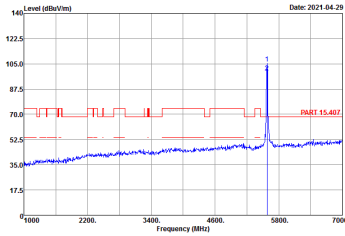
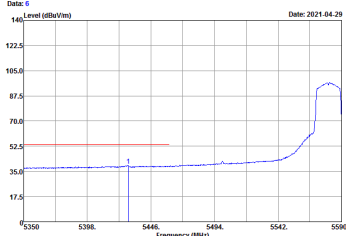


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	Figure 1: Horizontal Peak Spectrum Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16	Figure 2: Fundamental Peak Spectrum Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16
Avg.	Figure 3: Horizontal Average Spectrum Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBm/Vm) Date: 2021-04-29 Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL FREQ: 1000.000kHz VSW: 3000.000kHz Project : 142891 Mode : Mode 14 SN : C0WV0J0027516F057 Plane : Z With Accessory MCS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m)  Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Date: 7 Level (dBuV/m)  Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16
Avg.	Date: 6 Level (dBuV/m)  Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL RSM 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 14 SN : G0W0U0027516F957 Plane : Z With Accessory MCS9 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak	Date: 8 Level (dBm/Vm) Date: 2021-04-29 Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL Project : 142891 Mode : Mode 14 SN : CMM000027516F057 Plane : Z With Accessory MCS9 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	Date: 2021-04-29 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 15 SN : C8WV0J0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Date: 2021-04-29 Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 15 SN : C8WV0J0027516F957 Plane : Z With Accessory MCS9 Power setting 16



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 15 SN : C8WV0.0027516F957 Plane : Z With Accessory MCS9 Power setting 16	Date: 3 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Project : 142601 Mode : Mode 15 SN : C8WV0.0027516F957 Plane : Z With Accessory MCS9 Power setting 16



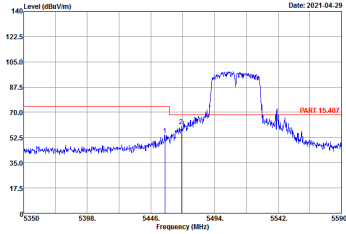
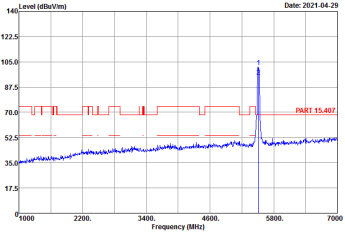
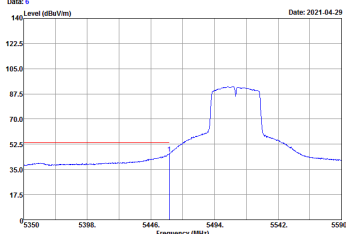
5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Date: 2021-04-29 Site Condition : 03CH02-SZ : PAKT 15.407 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VIEW 3000.000kHz Project : 142601 Mode : Mode 16 SN : GOWU0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	Date: 3 Level (dBuV/m) Date: 2021-04-29 Site Condition : 03CH02-SZ : PAKT 15.407 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VIEW 3000.000kHz Project : 142601 Mode : Mode 16 SN : GOWU0027516F057 Plane : Z With Accessory : MCS0 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Date: 2021-04-29 Site Condition : 03CH02-SZ : PAKT 15.407 AVG 3m HP ANT 9120D-1285 HORIZONTAL : REW 1000.000kHz VIEW 1.000kHz Project : 142601 Mode : Mode 16 SN : GOWU0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBm/Vm) Date: 2021-04-29 Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL Project : 142891 Mode : Mode 16 SN : CMM020027516F057 Plane : Z With Accessory Plane : MICS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 16 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	Date: 7 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 16 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16
Avg.	Date: 6 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 16 SN : G0W0U0027516F957 Plane : Z With Accessory : MCS9 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	Date: 8 Level (dBuV/m) Date: 2021-04-29 Frequency (MHz) Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL Project : 142891 Mode : Mode 16 SN : CMM020027516F057 Plane : Z With Accessory MCS9 Power setting 16	-

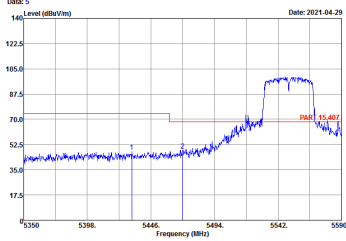
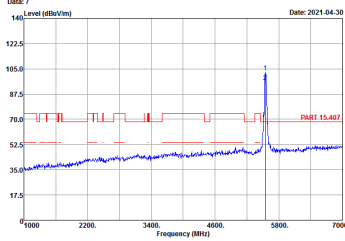
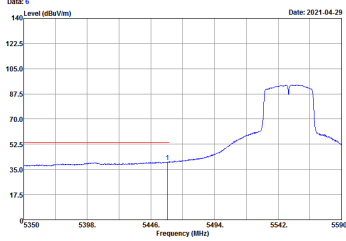


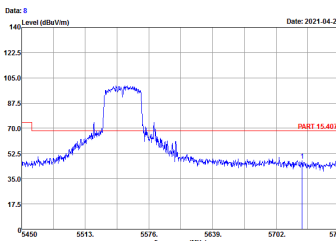
WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL RBNW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16	Date: 3 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL RBNW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL RBNW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory MCS0 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBm/Vm) Date: 2021-04-29 Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL Project : 142891 Mode : Mode 17 SN : C0WV0J0027516F057 Plane : Z With Accessory MCS9 Power setting 16	-



WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak	Date: 5  Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory Plane : MCS9 Power setting 16	Date: 7  Site : 03CH02-SZ Condition : PART 15.407 3m HF ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory Plane : MCS9 Power setting 16
Avg.	Date: 6  Site : 03CH02-SZ Condition : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 17 SN : G0W0U0027516F957 Plane : Z With Accessory Plane : MCS9 Power setting 16	-

WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH02-SZ Condition : PMRT 15.407 3m HP ANT 91200-1285 VERTICAL REBW 1000.000kHz VBW 3000.000kHz Project : 142001 Mode : Mode 17 SN : G0W0J0027516F957 Plane : Z With Accessory MCSO Power setting 16	-

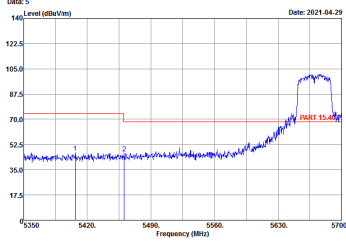
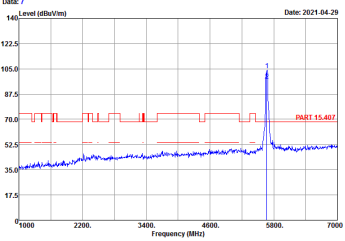
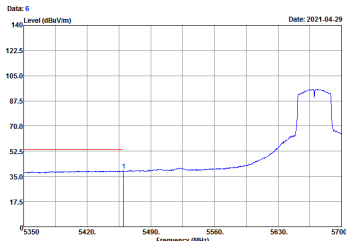


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	Date: 1 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 18 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	Date: 3 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 18 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16
Avg.	Date: 2 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 HORIZONTAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 18 SN : G0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	-

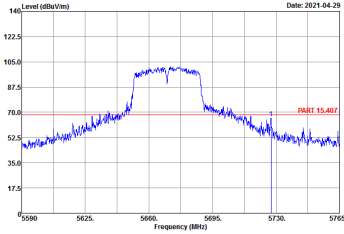


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	Date: 4 Level (dBuV/m) Frequency (MHz) Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 HORIZONTAL FREQ: 1000.000kHz VEH: 3000.000kHz Project : 142891 Mode : Mode 16 SN : CMMV030027516F057 Plane : Z With Accessory MCS9 Power setting 16	-

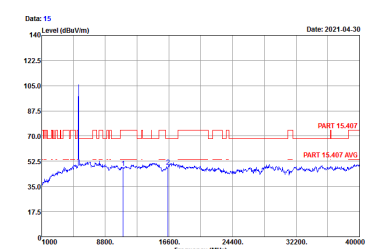
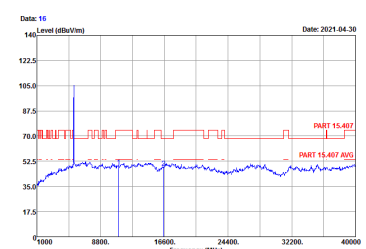


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak	Date: 5 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 18 SN : C0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	Date: 7 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 3000.000kHz Project : 142601 Mode : Mode 18 SN : C0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16
Avg.	Date: 6 Level (dBuV/m)  Frequency (MHz) Site Condition : 03CH02-SZ : PART 15.407 AVG 3m HF ANT 91200-1285 VERTICAL : RSW 1000.000kHz VBW 1.000kHz Project : 142601 Mode : Mode 18 SN : C0W0U0027516F057 Plane : Z With Accessory : MCS0 Power setting 16	-

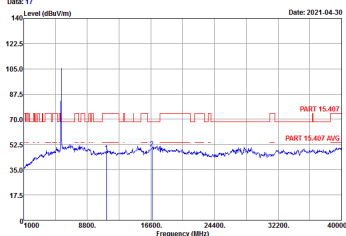
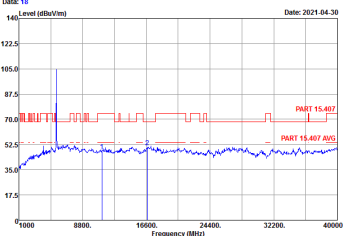


WIFI	5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	Date: 8 Level (dBuV/m) Date: 2021.04.29  Frequency (MHz) Site : 63CH02-SZ Condition : PART 15.407 3m HF ANT 91280-1285 VERTICAL Project : 142891 Mode : Mode 16 SN : CMM020027516F057 Plane : Z With Accessory Plane : MICS0 Power setting 16	-

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

WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-S2 Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 10 SN : Q0W0J0027516F057 Plane : Z With Accessory GM Power setting 16	 Site : 03CH02-S2 Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 10 SN : Q0W0J0027516F057 Plane : Z With Accessory GM Power setting 16

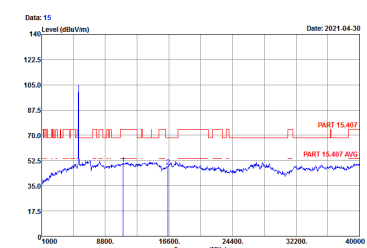
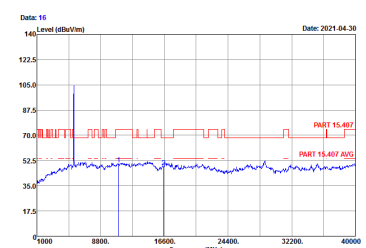


WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17  Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 11 SN : G0W0000027019F167 Plane : Z-Wire-Accessory GM Power setting 15	Date: 18  Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 11 SN : G0W0000027019F167 Plane : Z-Wire-Accessory GM Power setting 15



WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 13 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ Project : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Mode : Mode 12 SN : G0W0000027019F167 Plane : Z-Wire-Accessory GM Power setting 15	Date: 14 Level (dBuV/m) Frequency (MHz) Site Condition : 03CH02-SZ Project : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Mode : Mode 12 SN : G0W0000027019F167 Plane : Z-Wire-Accessory GM Power setting 15

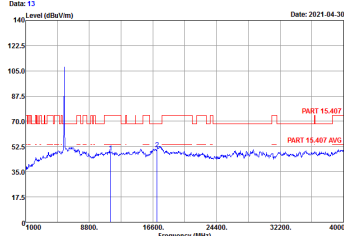
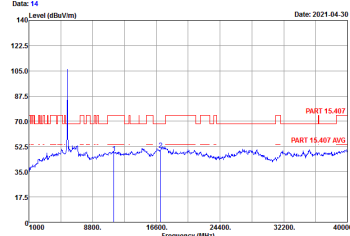
5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 13 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16	 Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 13 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16

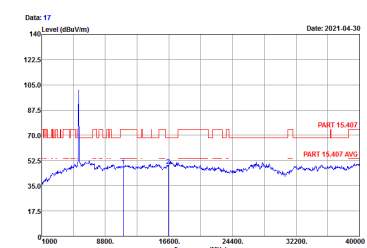
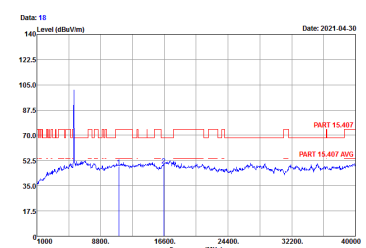


WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 14 SN : G0W000027019F167 Plane : Z Web Accessory MCS0 Power setting 16	Date: 18 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 14 SN : G0W000027019F167 Plane : Z Web Accessory MCS0 Power setting 16



WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 13 Level (dBuV/m)  Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 15 SN : G0W000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16	Date: 14 Level (dBuV/m)  Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 15 SN : G0W000027019F167 Plane : Z-Wire Accessory MCS0 Power setting 16

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

WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Date: 17 Level (dBuV/m) Date: 2021-04-30 PART 15.407 PART 15.407 AVG Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 15 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16	 Date: 18 Level (dBuV/m) Date: 2021-04-30 PART 15.407 PART 15.407 AVG Site : 03CH02-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 15 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16

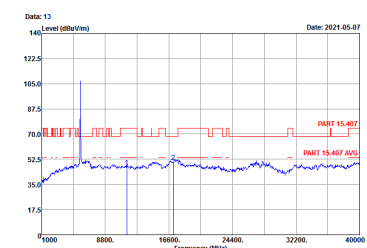
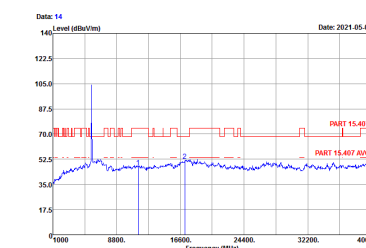


WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 17 SN : G0W000027019F167 Plane : Z-Wire-Accessory MCS0 Power setting 16	Date: 18 Level (dBuV/m) Frequency (MHz) Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 17 SN : G0W000027019F167 Plane : Z-Wire-Accessory MCS0 Power setting 16

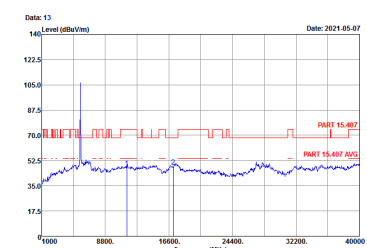
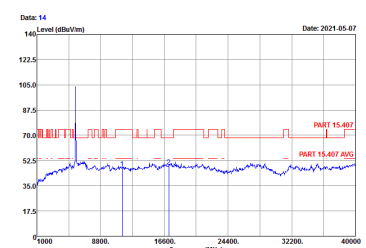


WIFI	5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 18 SN : G0W000027019F167 Plane : Z Web Accessory MCS0 Power setting 16	Date: 18 Site : 03CH02-SZ Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 18 SN : G0W000027019F167 Plane : Z Web Accessory MCS0 Power setting 16

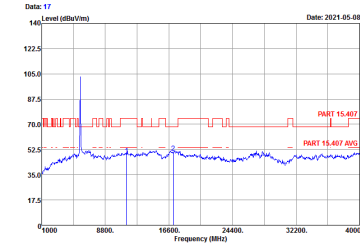
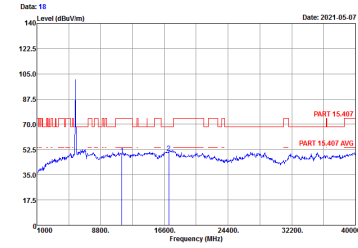
Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI	Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH03-S2 Condition : PART 15.407 3m HF_ANT 91200-1285 HORIZONTAL Project : 142601 Mode : Mode 19 SN : QWWRU0027516F057 Plane : Z With Accessory MCS9 Power setting 16	 Site : 03CH03-S2 Condition : PART 15.407 3m HF_ANT 91200-1285 VERTICAL Project : 142601 Mode : Mode 19 SN : QWWRU0027516F057 Plane : Z With Accessory MCS9 Power setting 16

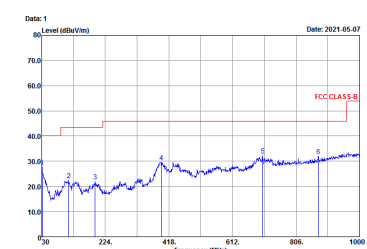
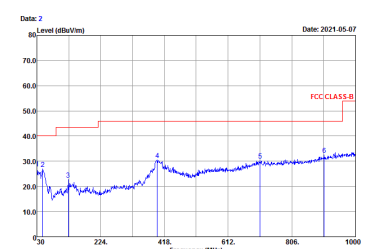
Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 13 Level (dBuV/m)  Date: 2021-05-07 Site : 03CH03-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 20 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16	Date: 14 Level (dBuV/m)  Date: 2021-05-07 Site : 03CH03-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 20 SN : G0W0U0027516F057 Plane : Z With Accessory MCSO Power setting 16

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

WIFI	Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	Date: 17 Level (dBuV/m)  Date: 2021-05-08 Site : 03CH03-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 HORIZONTAL Project : 142601 Mode : Mode 21 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16	Date: 18 Level (dBuV/m)  Date: 2021-05-07 Site : 03CH03-SZ Condition : PART 15.407 3m HP_ANT 9128D-1285 VERTICAL Project : 142601 Mode : Mode 21 SN : G0W0U0027516F057 Plane : Z With Accessory MCS0 Power setting 16

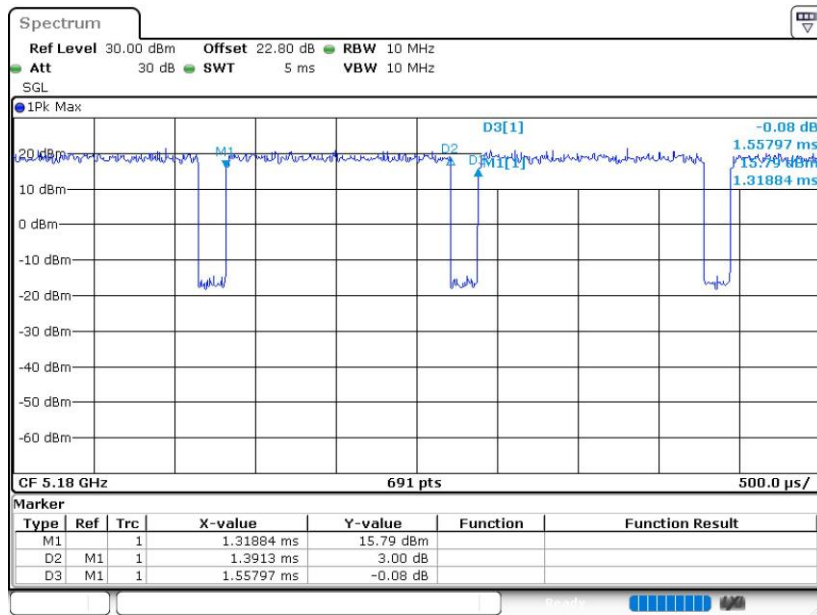
Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH02-S2 Condition : FCC CLASS-B 3m VULB9168-01001 HORIZONTAL Project : 142601 Mode : Mode 9 SN : Q0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16	 Site : 03CH02-S2 Condition : FCC CLASS-B 3m VULB9168-01001 VERTICAL Project : 142601 Mode : Mode 9 SN : Q0W0U0027516F057 Plane : Z With Accessory MCS9 Power setting 16

Appendix D. Duty Cycle Plots

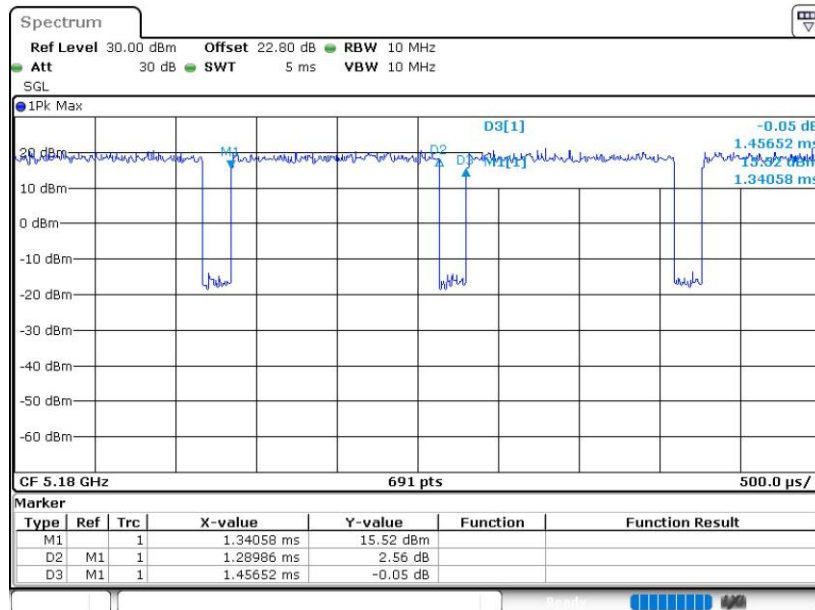
Band	Duty Cycle(%)	Duty Factor	T(ms)	1/T(kHz)	VBW Setting
802.11a	89.30	0.49	1.391	0.719	1kHz
802.11n HT20	88.56	0.53	1.290	0.775	1kHz
802.11n HT40	78.76	1.04	0.632	1.582	3kHz

802.11a





802.11n HT20



802.11n HT40

