



FCC RF Test Report

APPLICANT : Metacinnabar LLC
EQUIPMENT : Wireless Tablet
MODEL NAME : P8AT8Z
FCC ID : 2AZSI-7828
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure
TEST DATE(S) : Oct. 12, 2021 ~ Jan. 16, 2022

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Jason Jia

Reviewed by: Jason Jia / Supervisor

Alex Wang

Approved by: Alex Wang / Manager



Sporton International Inc. (Kunshan)

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR170813-01E	Rev. 01	Initial issue of report	Jan. 27, 2022

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.403(i)	6dB, 26dB and 99% Occupied Bandwidth	> 500kHz	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	≤ 30 dBm	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 30 dBm/500kHz	Pass	-
3.4	15.407(b)	Unwanted Emissions	15.407(b)(4)(i) & 15.209(a)	Pass	Under limit 10.13 dB at 5645.200 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 18.30 dB at 0.531 MHz
3.6	15.203 & 15.407(a)	Antenna Requirement	15.203 & 15.407(a)	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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



1 General Description

1.1 Applicant

Metacinnabar LLC

410 Terry Avenue N Seattle, WA 98109-5210 United States

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Tablet
Model Name	P8AT8Z
FCC ID	2AZSI-7828

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	5745 MHz ~ 5825 MHz
Maximum Output Power	<Ant. 1> <5745 MHz ~ 5825 MHz> 802.11a : 13.30 dBm / 0.0214 W 802.11n HT20 : 13.22 dBm / 0.0210 W 802.11n HT40 : 13.10 dBm / 0.0204 W 802.11ac VHT20: 13.08 dBm / 0.0203 W 802.11ac VHT40: 13.18 dBm / 0.0208 W 802.11ac VHT80: 11.01 dBm / 0.0126 W <Ant. 2> <5745 MHz ~ 5825 MHz> 802.11a : 13.16 dBm / 0.0207 W 802.11n HT20 : 13.02 dBm / 0.0200 W 802.11n HT40 : 13.22 dBm / 0.0210 W 802.11ac VHT20: 12.90 dBm / 0.0195 W 802.11ac VHT40: 13.13 dBm / 0.0206 W 802.11ac VHT80: 11.03 dBm / 0.0127 W
99% Occupied Bandwidth	<Ant. 1> 802.11a : 17.68 MHz 802.11n HT20 : 18.38 MHz 802.11ac VHT40 : 36.86 MHz 802.11ac VHT80 : 75.04 MHz <Ant. 2> 802.11a : 17.78 MHz 802.11n HT20 : 18.48 MHz 802.11n HT40 : 36.56 MHz 802.11ac VHT80 : 75.28 MHz
Type of Modulation	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Antenna Type / Gain	<Ant. 1> : Fixed internal Antenna with gain 0.90 dBi



Antenna Function Description	<Ant. 2> : Fixed internal Antenna with gain 0.70 dBi		
		Ant. 1	Ant. 2
	802.11 a/n/ac SISO	V	V

Note: For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/ ac VHT40 for Antenna 1 and 802.11n HT20/HT40 for Antenna 2 by referring to their maximum conducted power.

1.4 Modification of EUT

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

1.5 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH05-KS TH01-KS	CN1257	314309

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH05-KS	AUDIX	E3	6.2009-8-24a1
2.	CO01-KS	Rohde&Schwarz	EMC32	10.60.0.0



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:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz U-NII-3	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Note:

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

2.2 Test Mode

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

<Ant. 1>

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0

<Ant. 2>

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT80	MCS0

AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN Link(5G) + USB Cable(Foxlink)(Charging from AP16(US))
Remark: For Radiated Test Cases, The tests were performance with Adapter and Earphone.	

<Ant. 1>

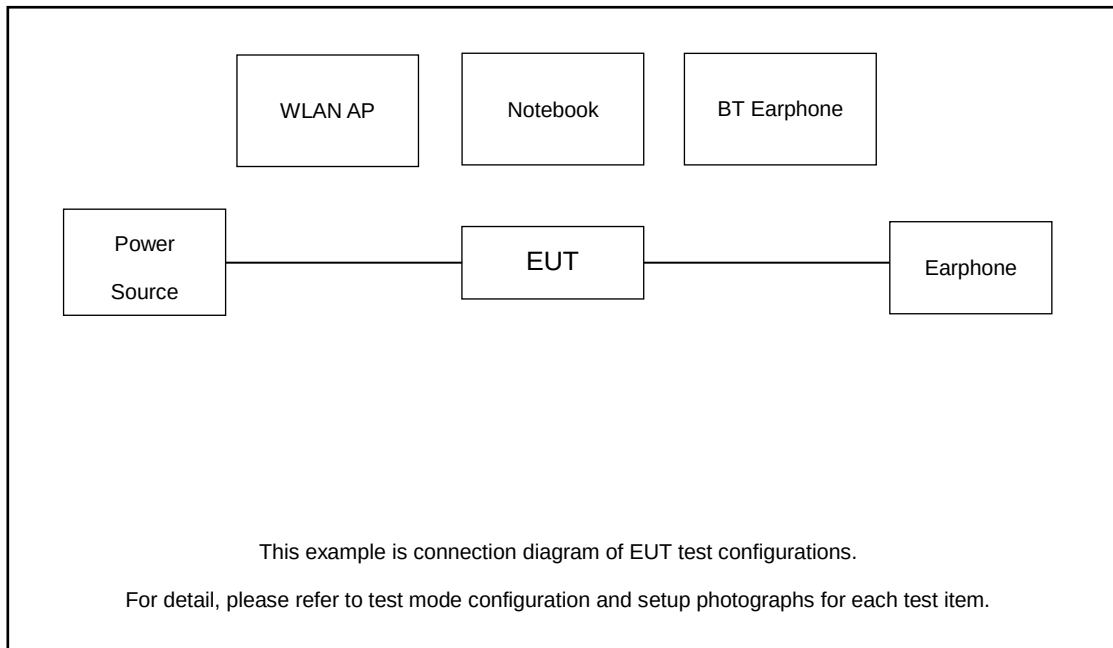
Ch. #		U-NII-3 : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11ac VHT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

<Ant. 2>

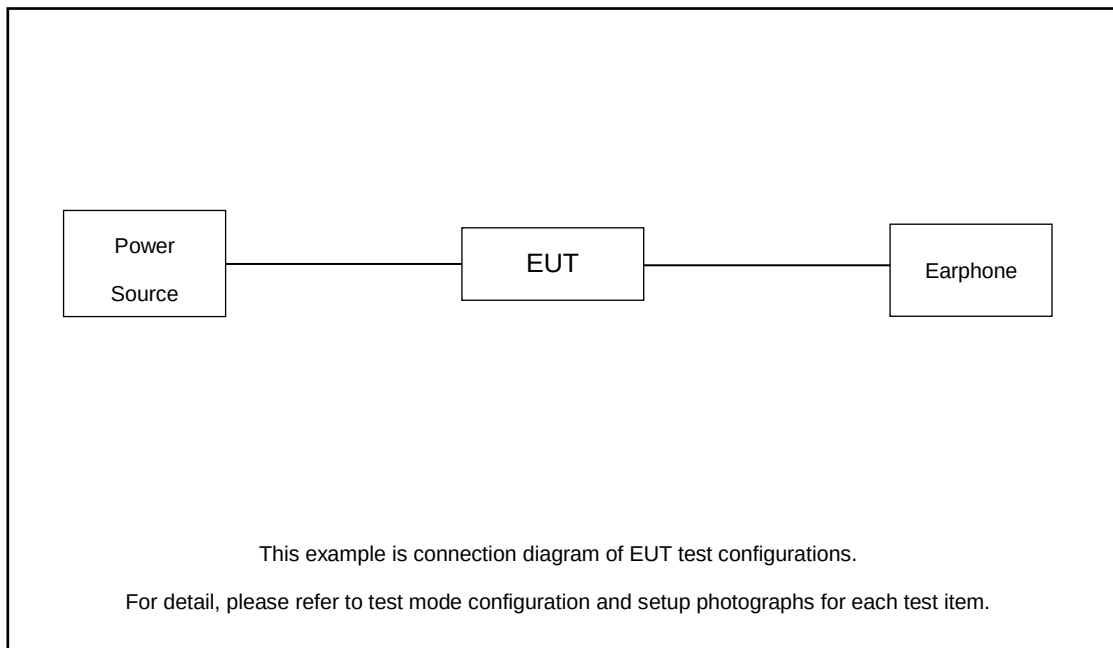
Ch. #		U-NII-3 : 5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

2.3 Connection Diagram of Test System

For Conducted Emission:



For Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-link	DIR-655	KA21R655B1	N/A	Unshielded, 1.8m
2.	Notebook	Lenovo	G480	QDS-BRCM1050I	N/A	AC I/P: Unshielded, 1.8 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Lenovo	LBH308	N/A	N/A	N/A
4.	Earphone	Lenovo	P121	N/A	N/A	Unshielded, 1.2m
5.	SD Card	Kingston	8GB	N/A	N/A	N/A

2.5 EUT Operation Test Setup

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

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

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 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 6.8 dB.

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 6.8 \text{ (dB)} \end{aligned}$$

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

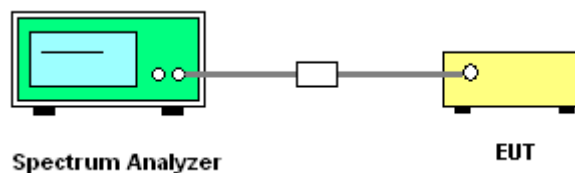
3.1.2 Measuring Instruments

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 for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB Bandwidth

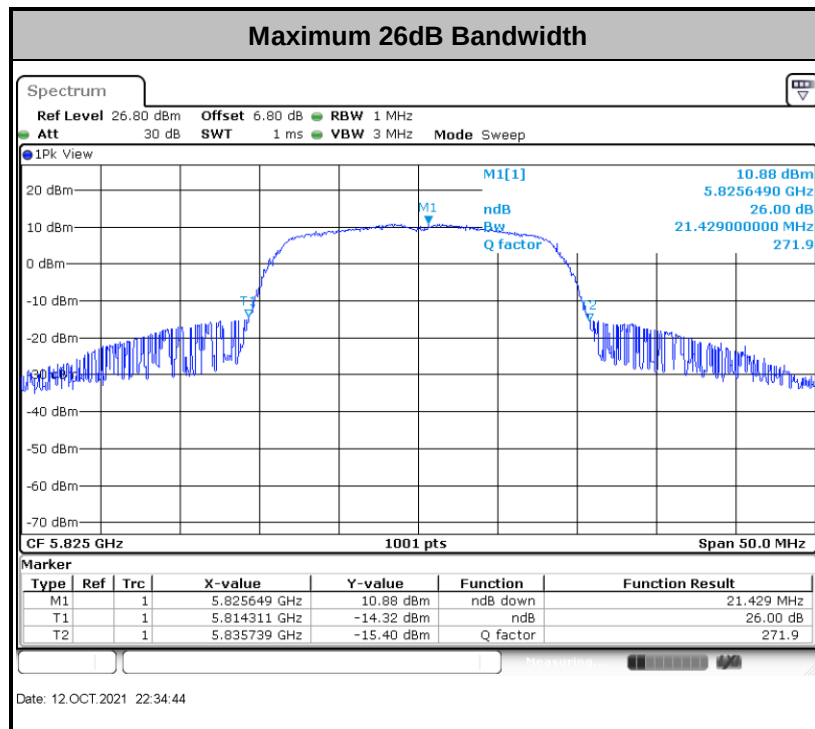
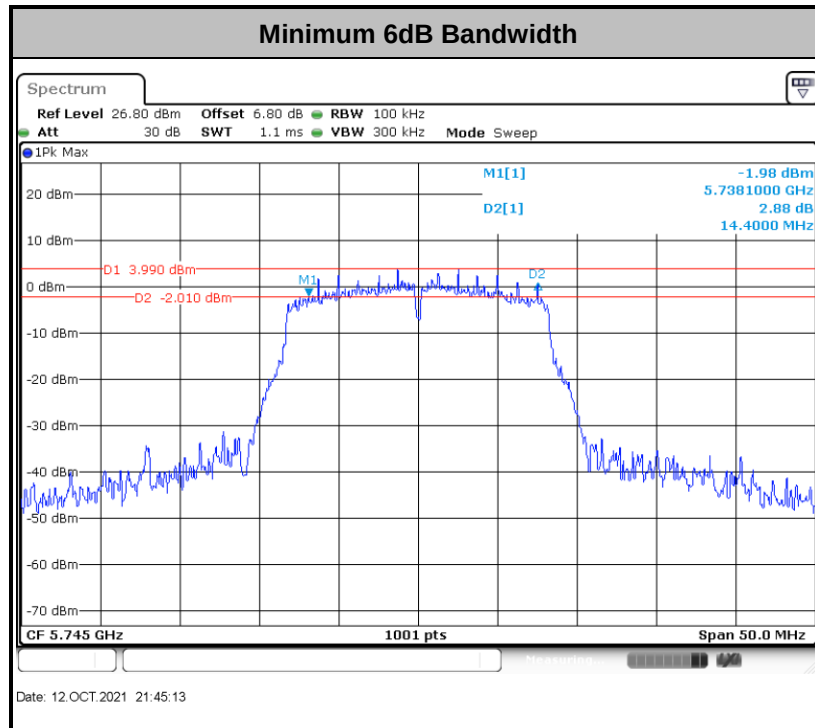
Please refer to Appendix A.

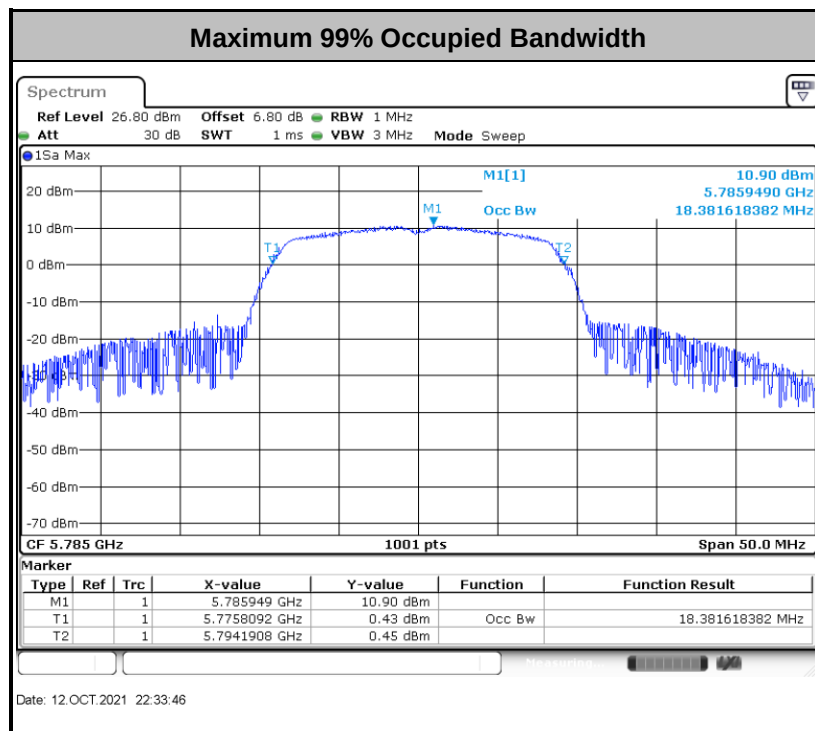
Only the maximum 6dB & 26dB & 99% OB plots of each bandwidth shown in the report.



<Ant. 1>

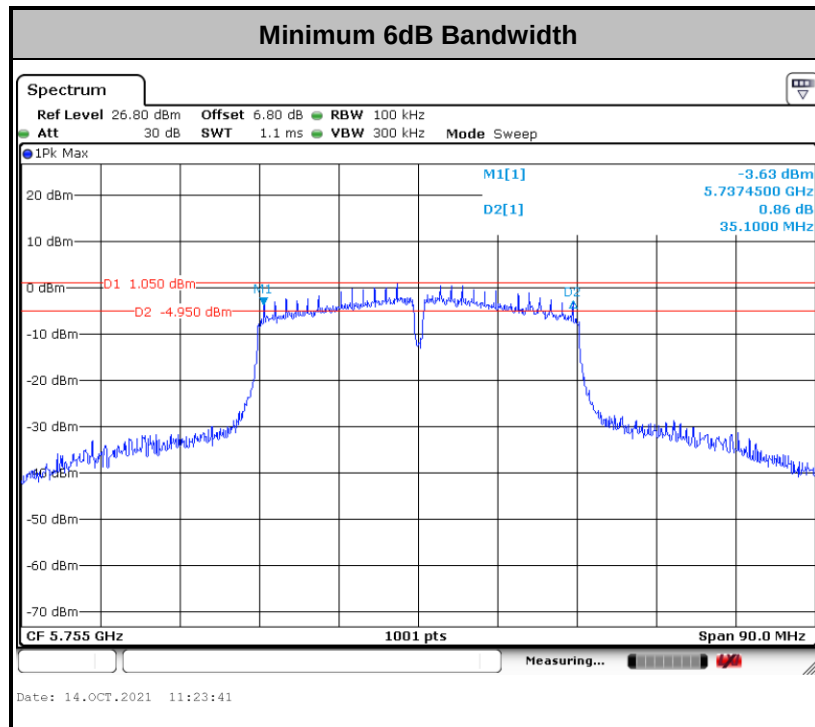
For 20MHz

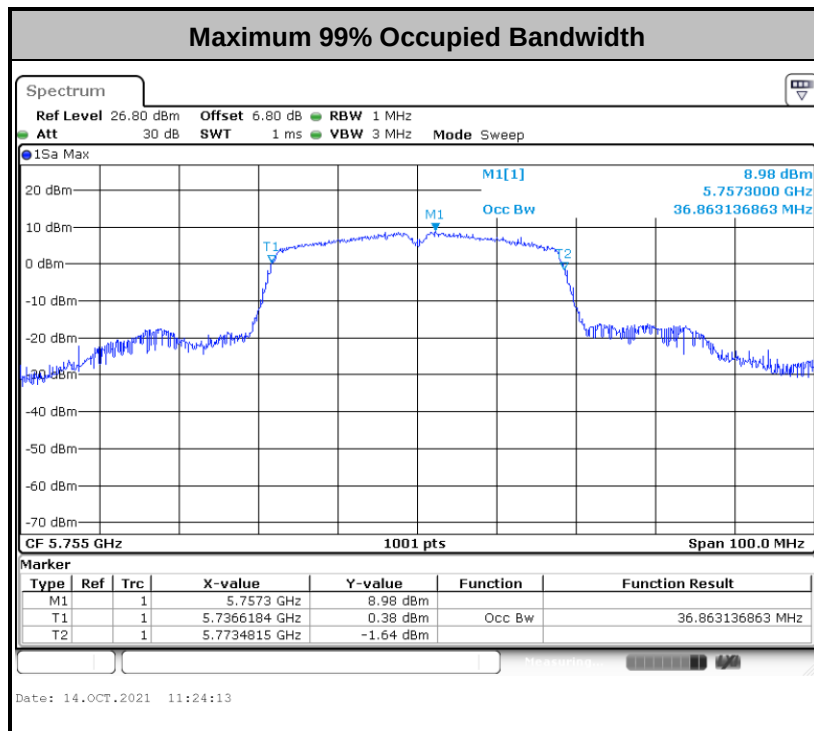
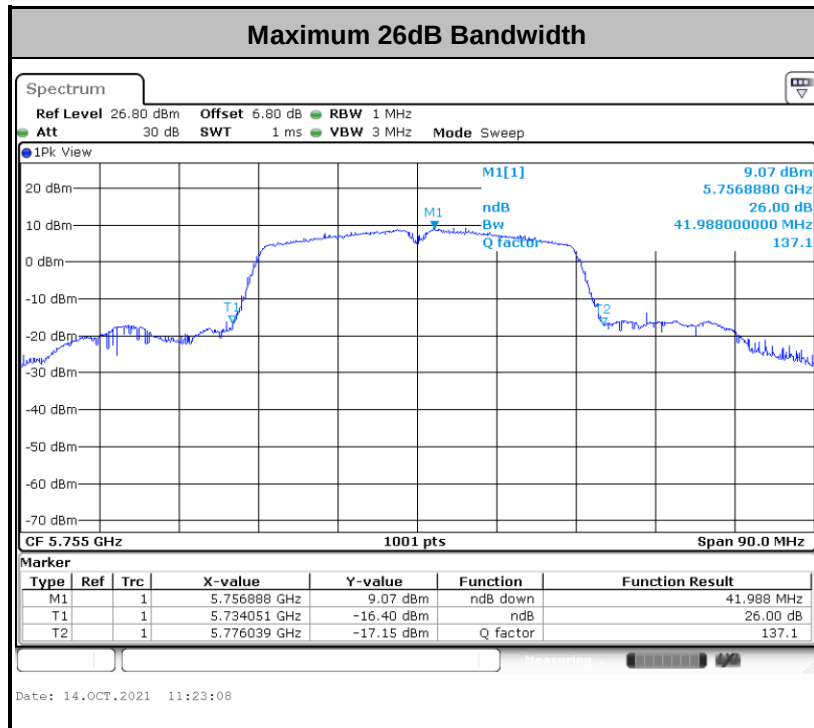




Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

For 40MHz

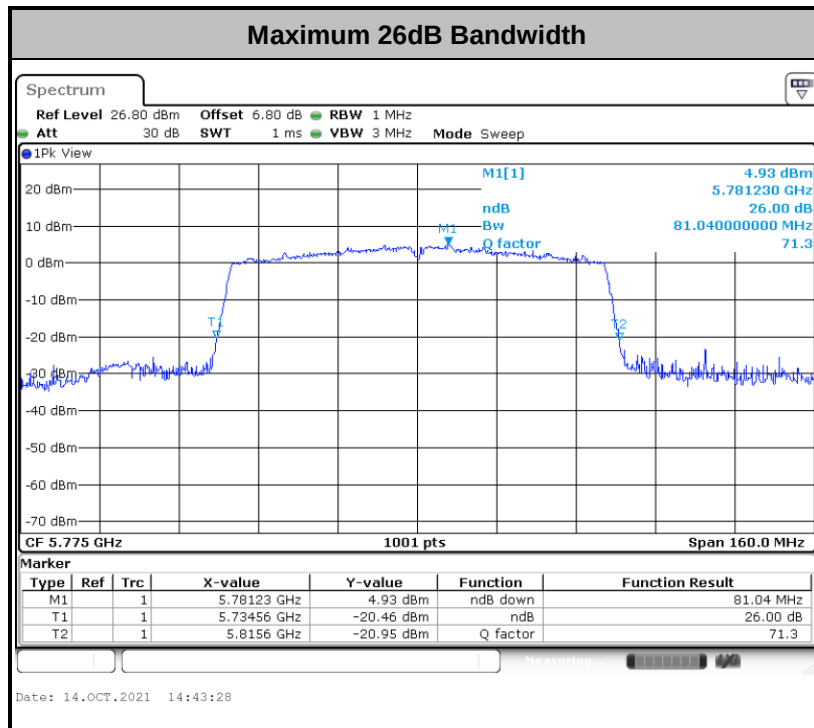
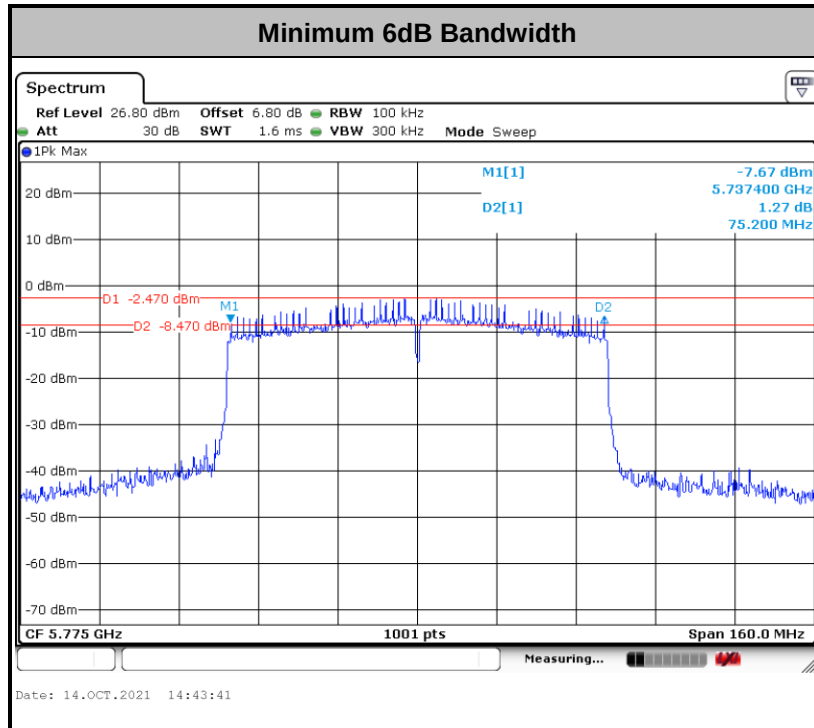


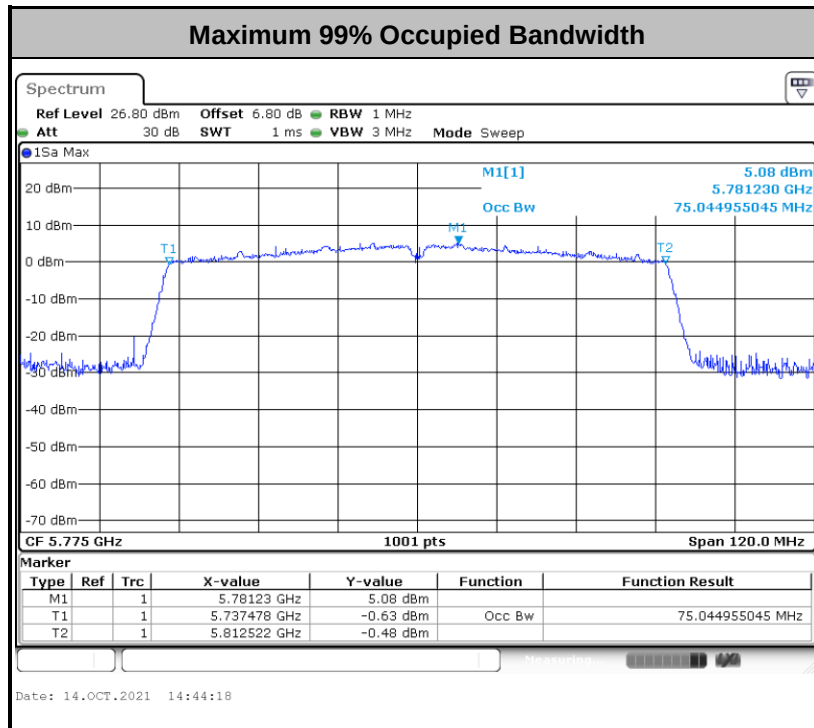


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



For 80MHz

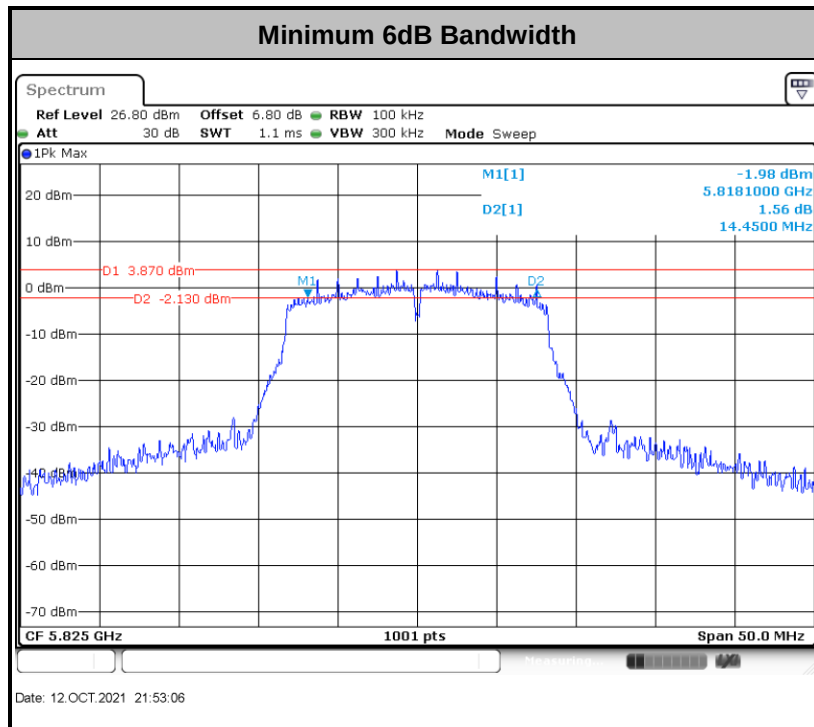


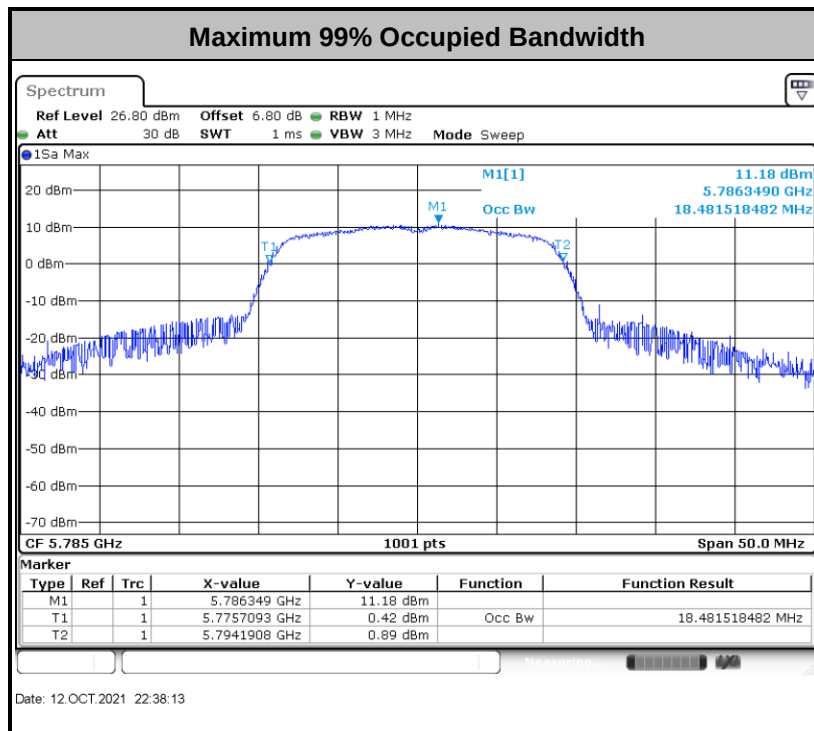
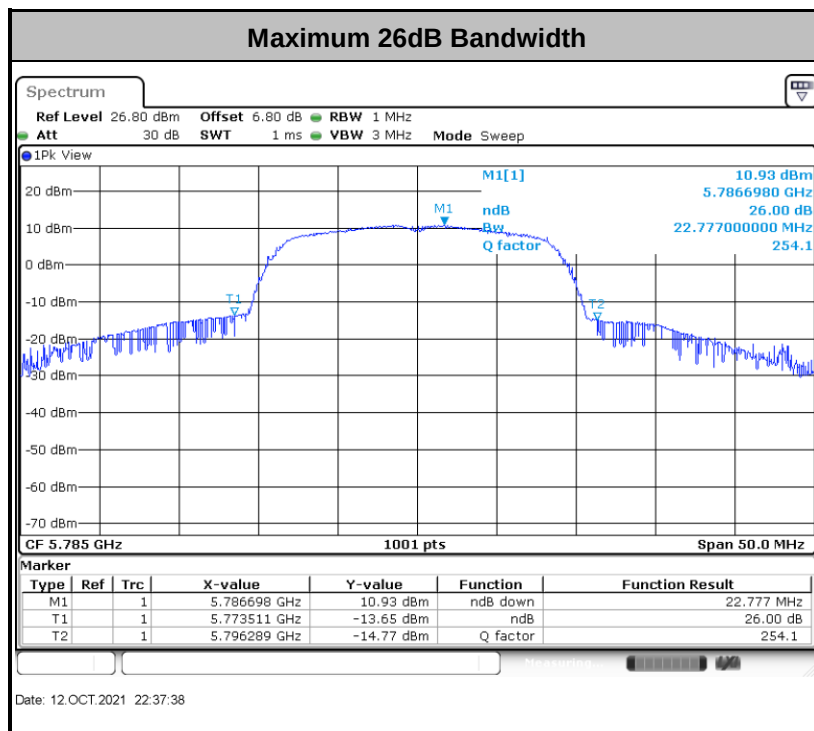


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<Ant. 2>

For 20MHz

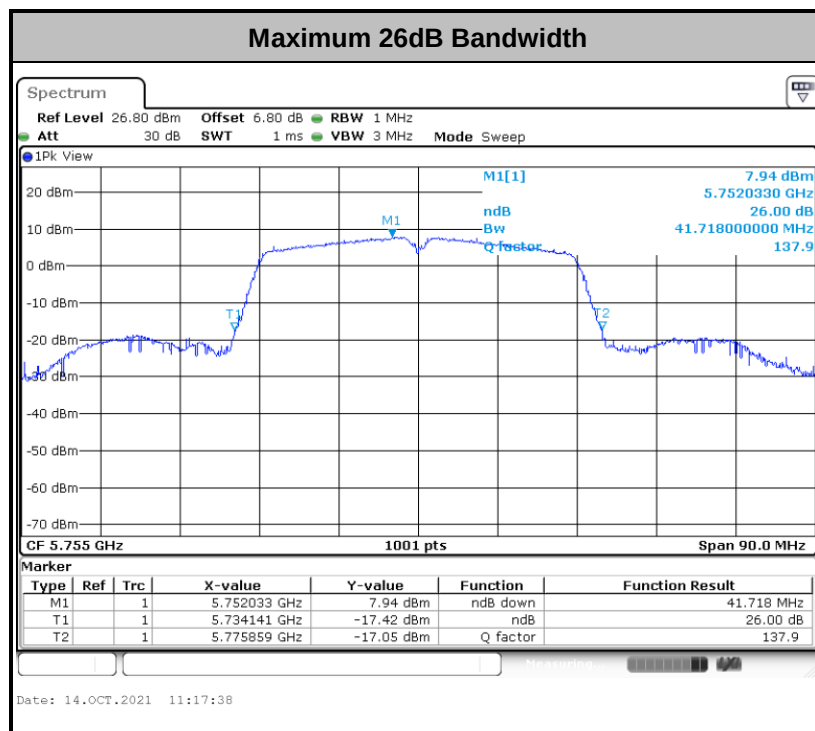
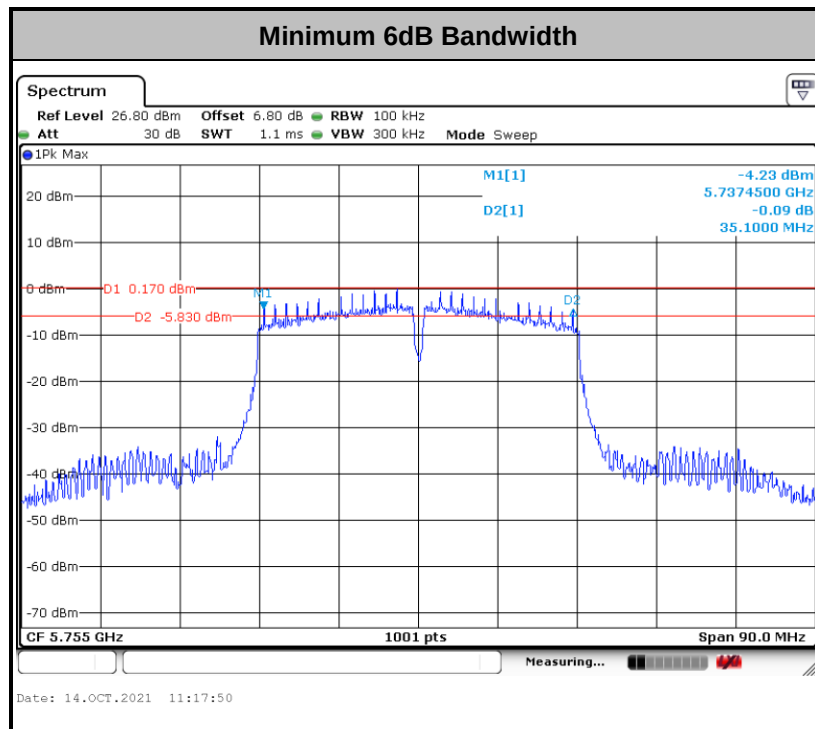


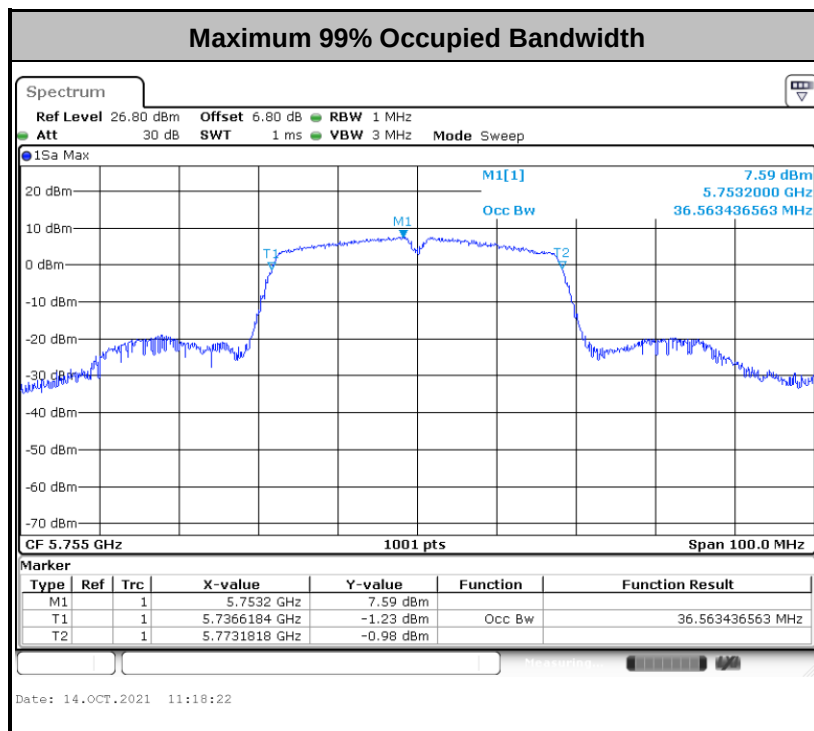


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



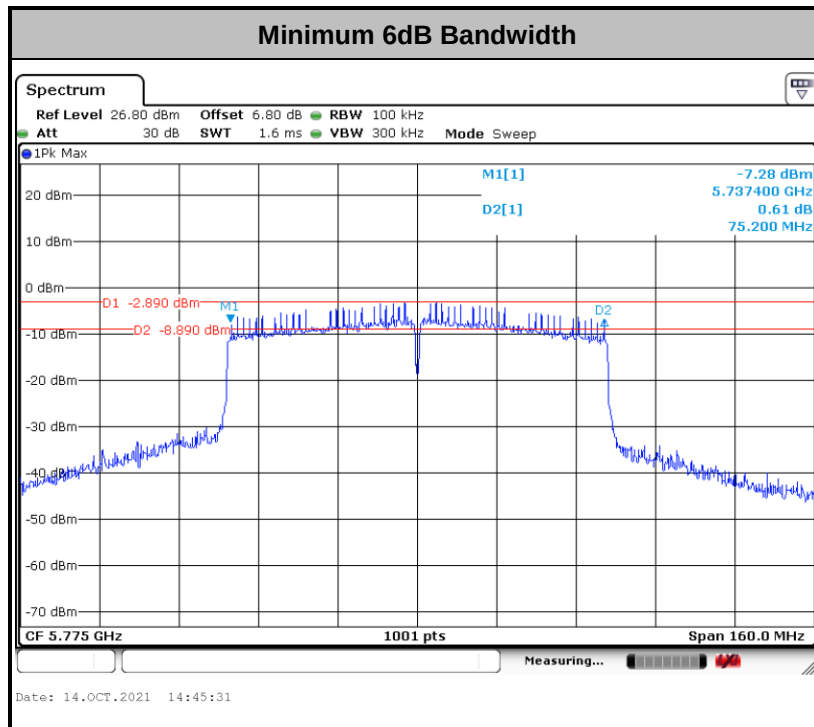
For 40MHz

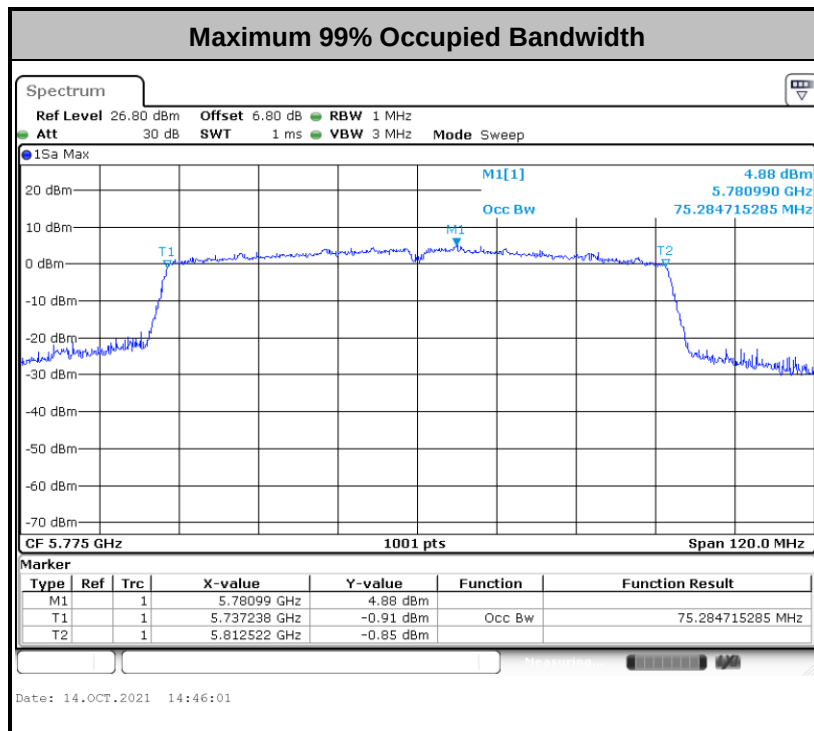
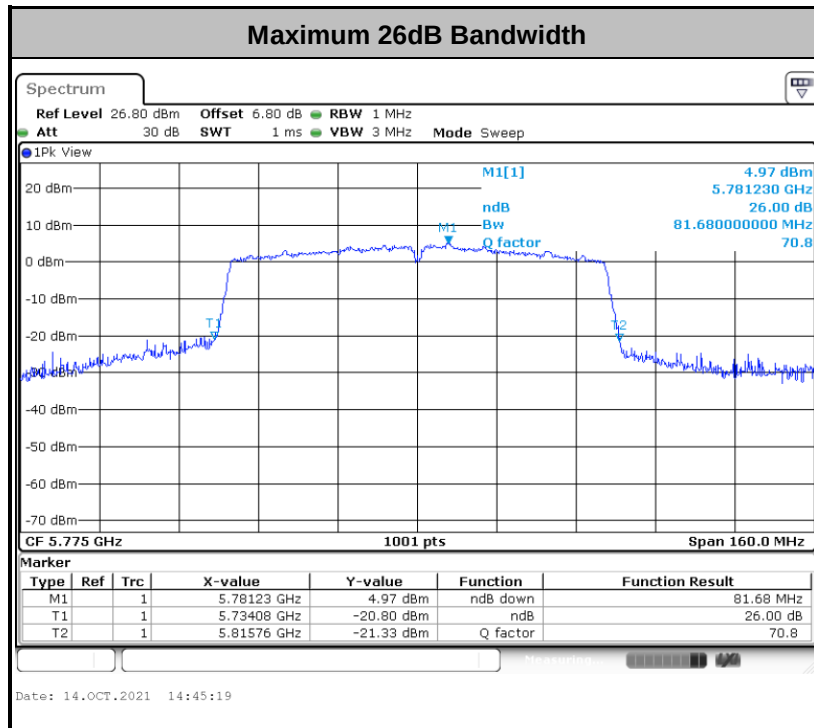




Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

For 80MHz





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

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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.

3.2.2 Measuring Instruments

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

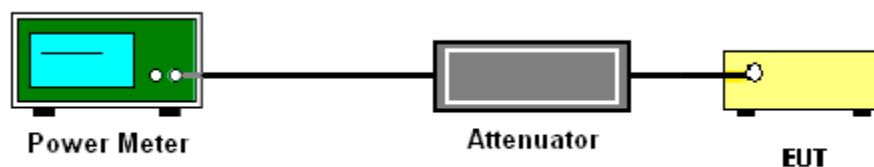
3.2.3 Test Procedures

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.

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

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

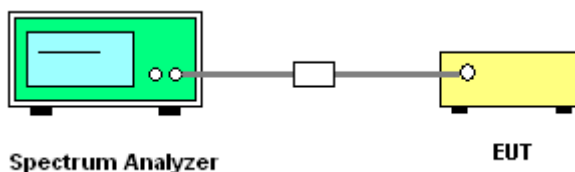
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section F) Maximum power spectral density.

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 = 300 kHz.
 - Set VBW $\geq$ 1 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 $10 \log(500\text{kHz}/\text{RBW})$ to the test result.
 - 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



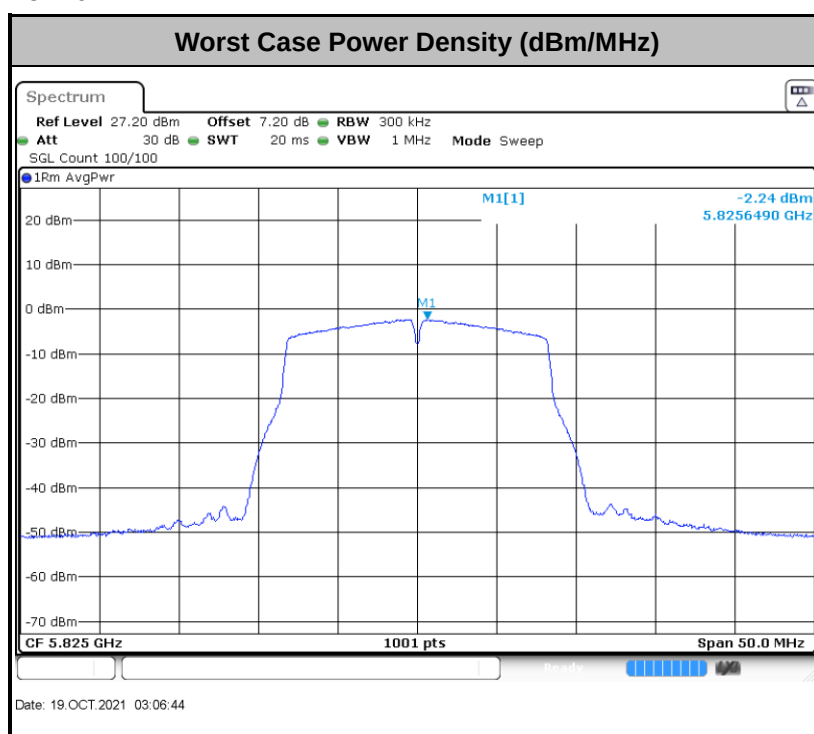
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Only the maximum PSD plots of each bandwidth shown in the report.

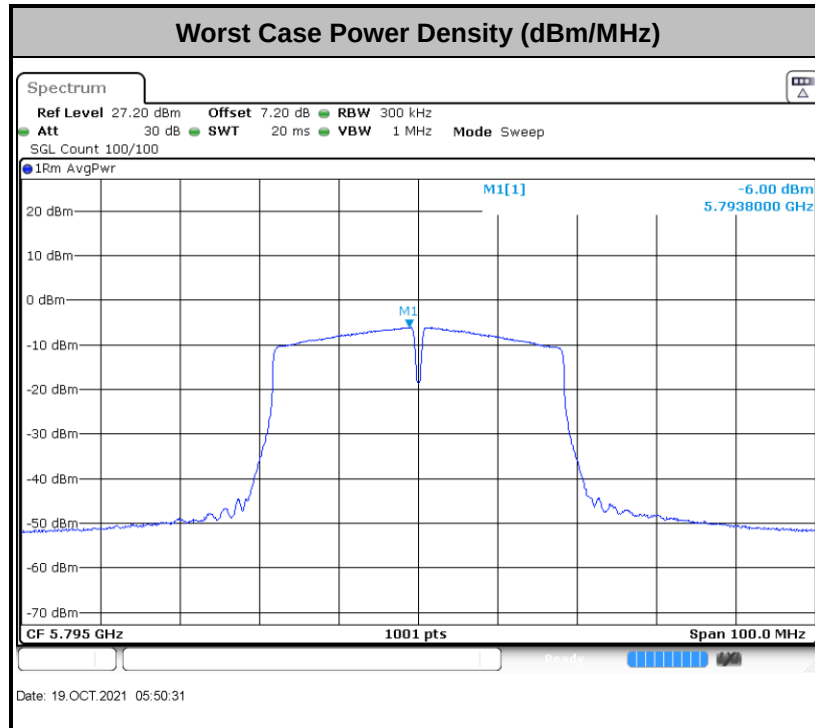
<Ant. 1>

For 20MHz:

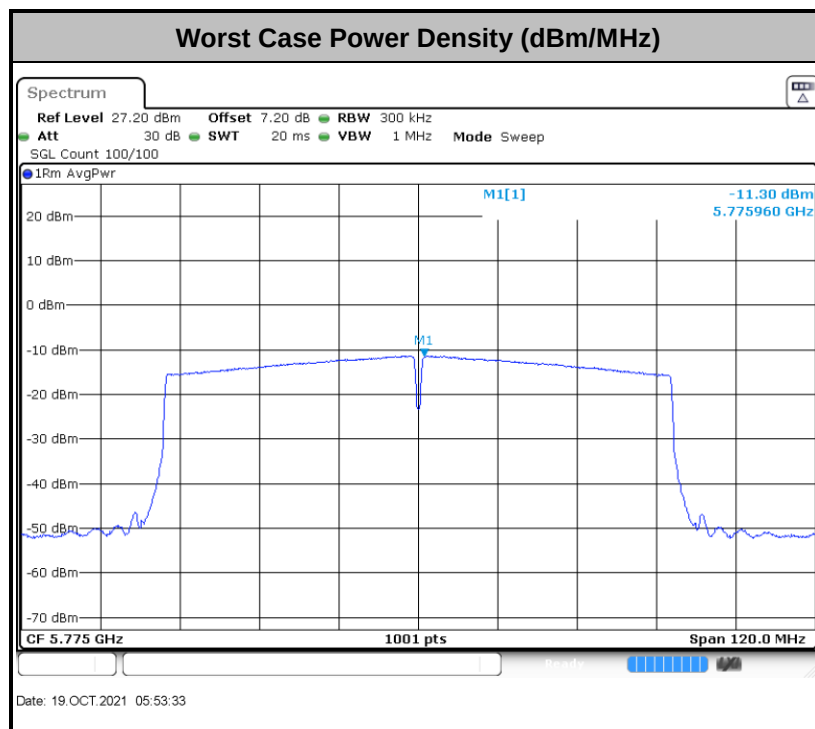




For 40MHz:



For 80MHz:

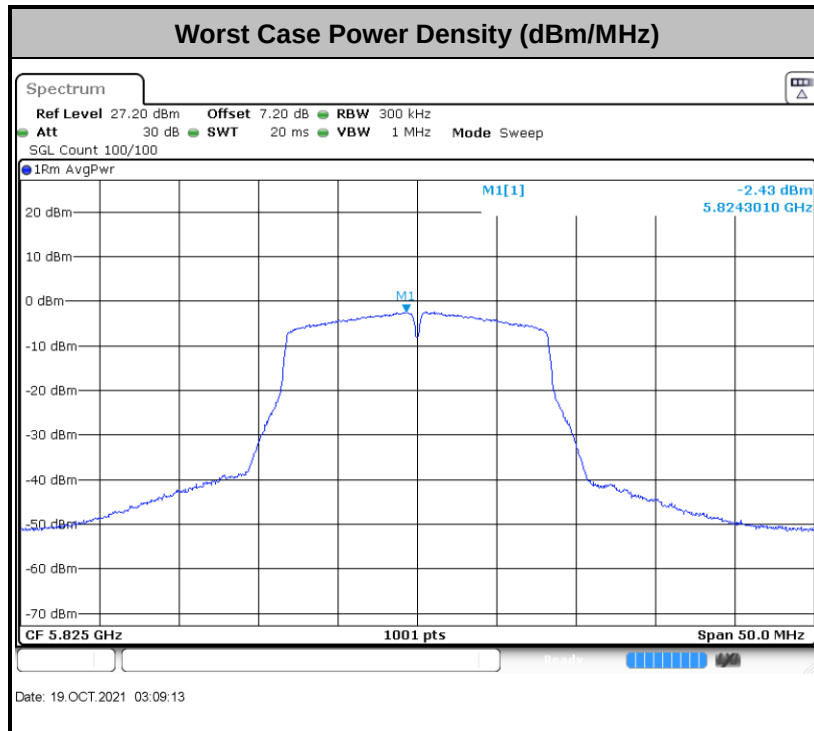


Note: Average Power Density (dB) = Measured value+ Duty Factor

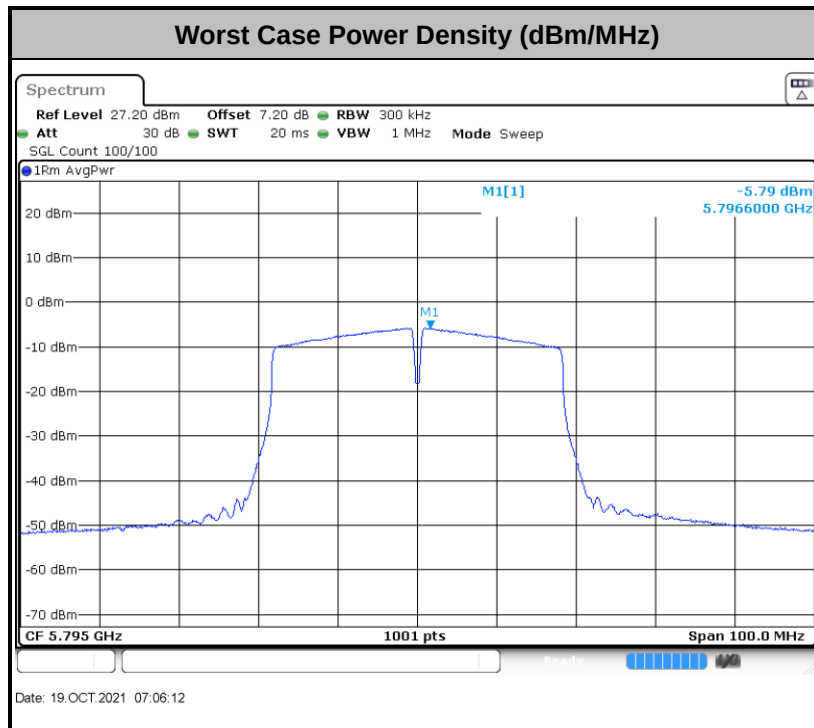


<Ant. 2>

For 20MHz:

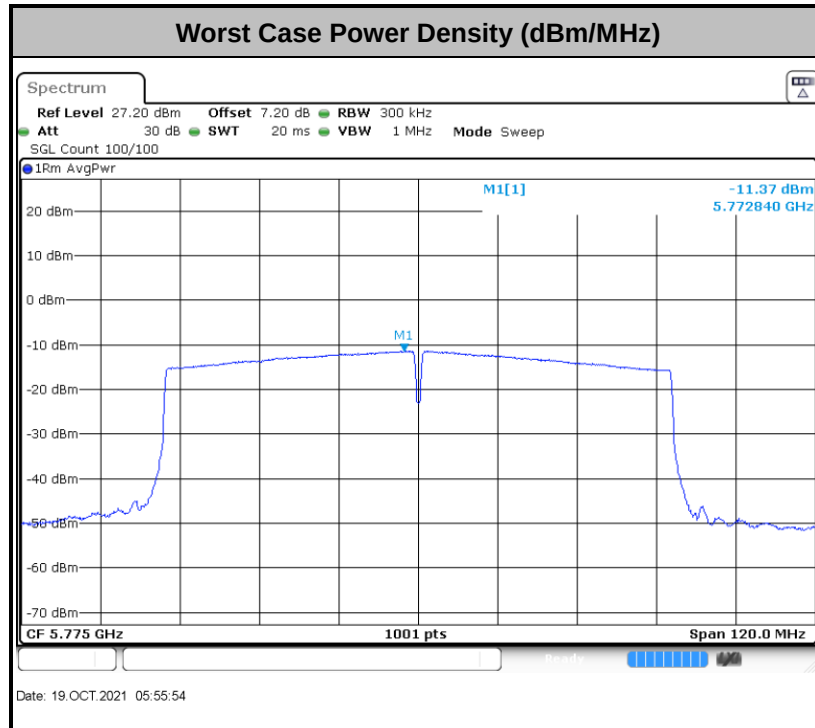


For 40MHz:





For 80MHz:



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 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

- (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.

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.77$$

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.

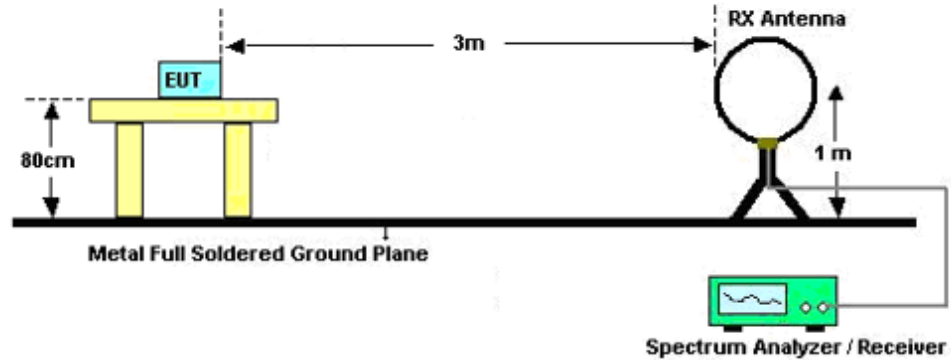


3.4.3 Test Procedures

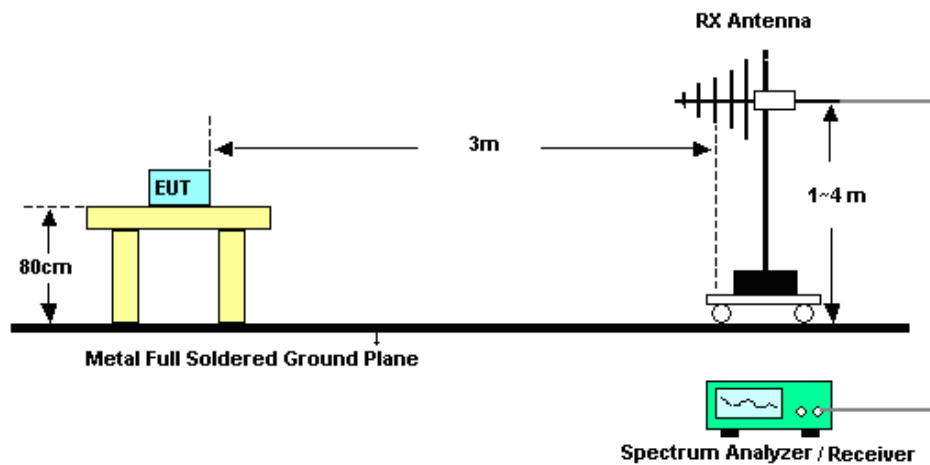
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak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

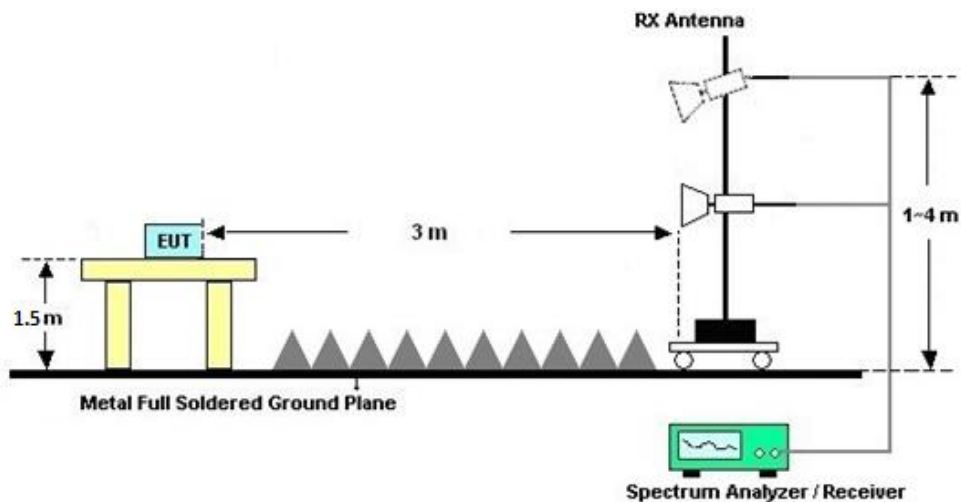
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.4.5 Test Results of Radiated 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 Band Edges

Please refer to Appendix C&D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C&D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

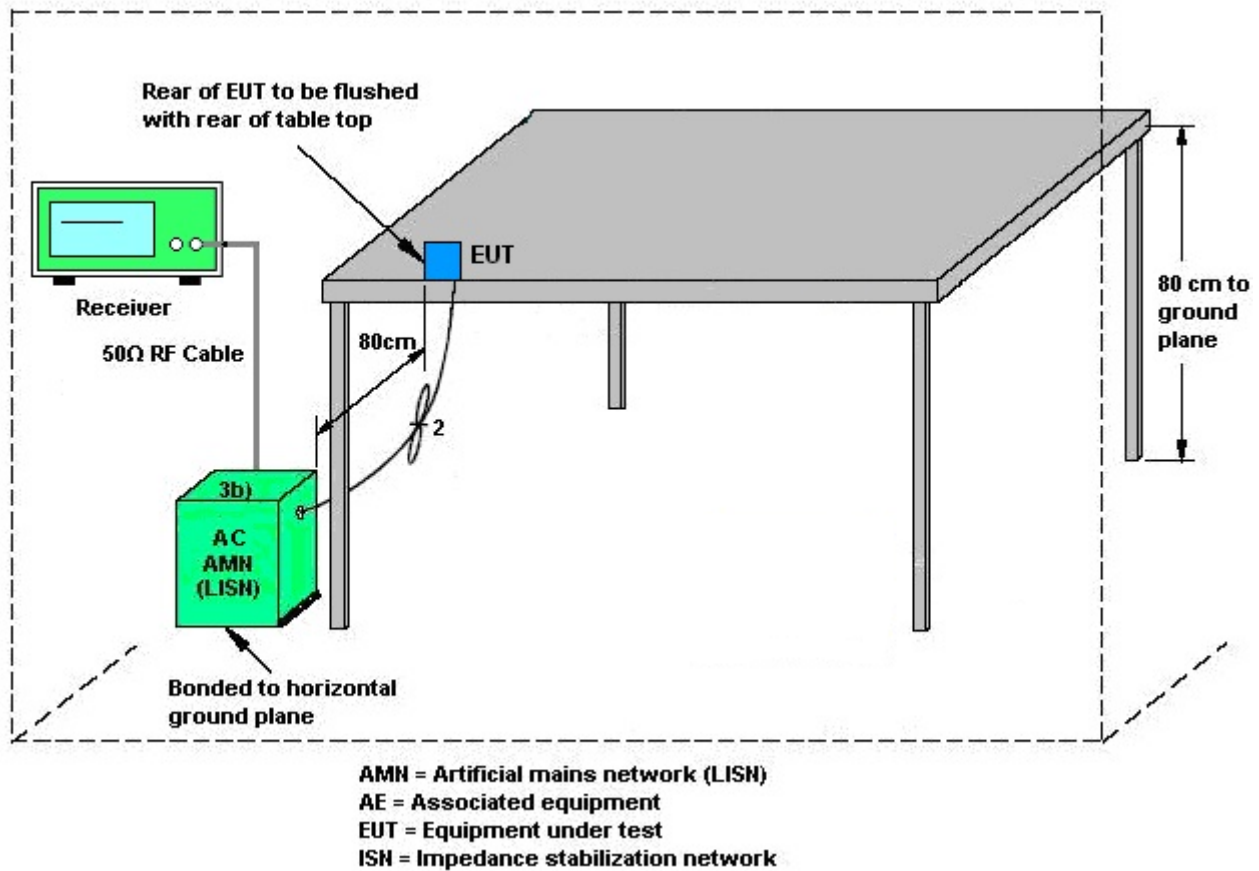
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 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.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 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	101040	10Hz~40GHz	Oct. 15, 2020	Oct. 12, 2021~ Oct. 19, 2021	Oct. 14, 2021	Conducted (TH01-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 14, 2021		Oct. 13, 2022	Conducted (TH01-KS)
Pulse Power Sensor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 07, 2021	Oct. 12, 2021~ Oct. 19, 2021	Jan. 06, 2022	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 07, 2021	Oct. 12, 2021~ Oct. 19, 2021	Jan. 06, 2022	Conducted (TH01-KS)
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz; Max 30dBm	Oct. 16, 2021	Jan. 06, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz~44GHz, MAX 30dB	Apr. 13, 2021	Jan. 06, 2022	Apr. 12, 2022	Radiation (03CH05-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 30, 2021	Jan. 06, 2022	Oct. 29, 2022	Radiation (03CH05-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz~1GHz	Jun. 04, 2021	Jan. 06, 2022	Jun. 03, 2022	Radiation (03CH05-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00218652	1GHz~18GHz	Apr. 24, 2021	Jan. 06, 2022	Apr. 23, 2022	Radiation (03CH05-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Jan. 05, 2022	Jan. 06, 2022	Jan. 04, 2023	Radiation (03CH05-KS)
Amplifier	SONOMA	310N	187289	9KHz~1GHz	Apr. 12, 2021	Jan. 06, 2022	Apr. 11, 2022	Radiation (03CH05-KS)
Amplifier	MITEQ	EM18G40GGA	060728	18~40GHz	Jan. 07, 2021	Jan. 06, 2022	Jan. 06, 2022	Radiation (03CH05-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2012228	1GHz~18GHz	Oct. 16, 2021	Jan. 06, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
Amplifier	Keysight	83017A	MY53270316	500MHz~26.5GHz	Oct. 16, 2021	Jan. 06, 2022	Oct. 15, 2022	Radiation (03CH05-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jan. 06, 2022	NCR	Radiation (03CH05-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 06, 2022	NCR	Radiation (03CH05-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 06, 2022	NCR	Radiation (03CH05-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 21, 2021	Jan. 16, 2022	Apr. 20, 2022	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Oct. 14, 2021	Jan. 16, 2022	Oct. 13, 2022	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Oct. 14, 2021	Jan. 16, 2022	Oct. 13, 2022	Conduction (CO01-KS)
AC Power Source	Chroma	61602	ABP00000811	AC 0V~300V, 45Hz~1000Hz	Oct. 14, 2021	Jan. 16, 2022	Oct. 13, 2022	Conduction (CO01-KS)

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% ($U = 2Uc(y)$)	2.94dB
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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% ($U = 2Uc(y)$)	5.0dB
---	-------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.0dB
---	-------

----- THE END -----



Appendix A. Conducted Test Results

Report Number : FR170813-01E

Test Engineer:	Jack Fan	Temperature:	21~25	°C
Test Date:	2021/10/12~2021/10/19	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

U-NII-3													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	17.63	17.58	20.98	21.18	14.40	15.15	0.5	0.5	Pass
11a	6Mbps	1	157	5785	17.68	17.78	21.03	21.08	15.10	15.35	0.5	0.5	Pass
11a	6Mbps	1	165	5825	17.58	17.53	20.88	21.18	15.10	14.45	0.5	0.5	Pass
HT20	MCS0	1	149	5745	18.33	18.43	21.38	21.28	15.15	15.10	0.5	0.5	Pass
HT20	MCS0	1	157	5785	18.38	18.48	21.33	22.78	15.05	15.10	0.5	0.5	Pass
HT20	MCS0	1	165	5825	18.28	18.33	21.43	21.33	15.10	15.10	0.5	0.5	Pass
HT40	MCS0	1	151	5755		36.56		41.72		35.10	0.5	0.5	Pass
HT40	MCS0	1	159	5795		36.36		41.36		35.10	0.5	0.5	Pass
VHT40	MCS0	1	151	5755	36.86		41.99		35.10		0.5	0.5	Pass
VHT40	MCS0	1	159	5795	36.56		41.63		35.10		0.5	0.5	Pass
VHT80	MCS0	1	155	5775	75.04	75.28	81.04	81.68	75.20	75.20	0.5	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.13	0.13	13.12	13.00		30.00	30.00	0.90	0.70	Pass
11a	6Mbps	1	157	5785	0.13	0.13	13.14	13.07		30.00	30.00	0.90	0.70	Pass
11a	6Mbps	1	165	5825	0.13	0.13	13.30	13.16		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	149	5745	0.14	0.14	13.22	13.02		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	157	5785	0.14	0.14	12.73	13.01		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	165	5825	0.14	0.14	13.01	12.76		30.00	30.00	0.90	0.70	Pass
HT40	MCS0	1	151	5755	0.29	0.29	13.10	13.03		30.00	30.00	0.90	0.70	Pass
HT40	MCS0	1	159	5795	0.29	0.29	13.02	13.22		30.00	30.00	0.90	0.70	Pass
VHT20	MCS0	1	149	5745	0.14	0.14	13.02	12.83		30.00	30.00	0.90	0.70	Pass
VHT20	MCS0	1	157	5785	0.14	0.14	12.89	12.82		30.00	30.00	0.90	0.70	Pass
VHT20	MCS0	1	165	5825	0.14	0.14	13.08	12.90		30.00	30.00	0.90	0.70	Pass
VHT40	MCS0	1	151	5755	0.28	0.28	13.07	12.96		30.00	30.00	0.90	0.70	Pass
VHT40	MCS0	1	159	5795	0.28	0.28	13.18	13.13		30.00	30.00	0.90	0.70	Pass
VHT80	MCS0	1	155	5775	0.54	0.55	11.01	11.03		30.00	30.00	0.90	0.70	Pass

TEST RESULTS DATA
Power Spectral Density

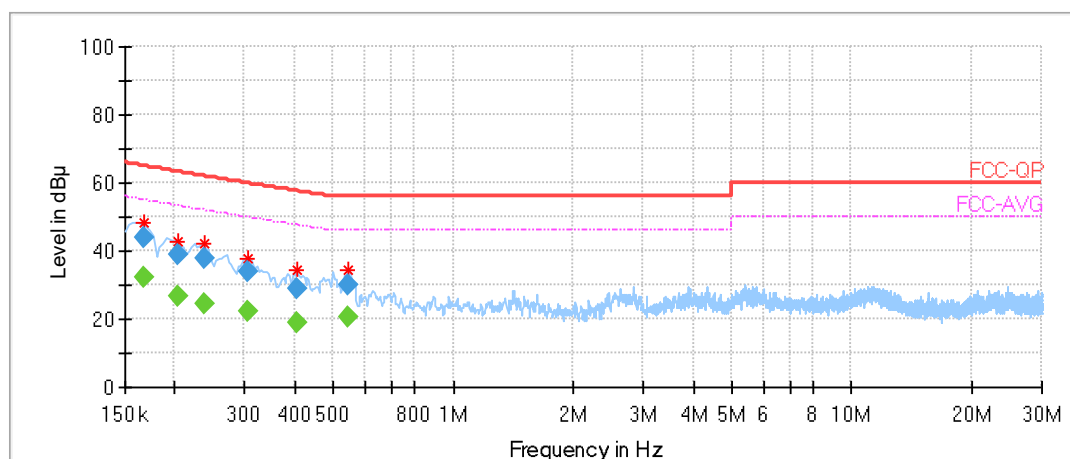
U-NII-3																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	149	5745	0.13	0.13	2.22	2.22	-0.06	-0.22		30.00	30.00	0.90	0.70	Pass
11a	6Mbps	1	157	5785	0.13	0.13	2.22	2.22	-0.18	-0.47		30.00	30.00	0.90	0.70	Pass
11a	6Mbps	1	165	5825	0.13	0.13	2.22	2.22	0.11	-0.08		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	149	5745	0.14	0.14	2.22	2.22	-1.35	-1.17		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	157	5785	0.14	0.14	2.22	2.22	-1.04	-0.53		30.00	30.00	0.90	0.70	Pass
HT20	MCS0	1	165	5825	0.14	0.14	2.22	2.22	-0.35	-0.68		30.00	30.00	0.90	0.70	Pass
HT40	MCS0	1	151	5755	0.29	0.29	2.22	2.22		-3.47		30.00	30.00	0.90	0.70	Pass
HT40	MCS0	1	159	5795	0.29	0.29	2.22	2.22		-3.29		30.00	30.00	0.90	0.70	Pass
VHT40	MCS0	1	151	5755	0.28	0.28	2.22	2.22	-3.51			30.00	30.00	0.90	0.70	Pass
VHT40	MCS0	1	159	5795	0.28	0.28	2.22	2.22	-3.50			30.00	30.00	0.90	0.70	Pass
VHT80	MCS0	1	155	5775	0.54	0.55	2.22	2.22	-8.54	-8.61		30.00	30.00	0.90	0.70	Pass



Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

Full Spectrum

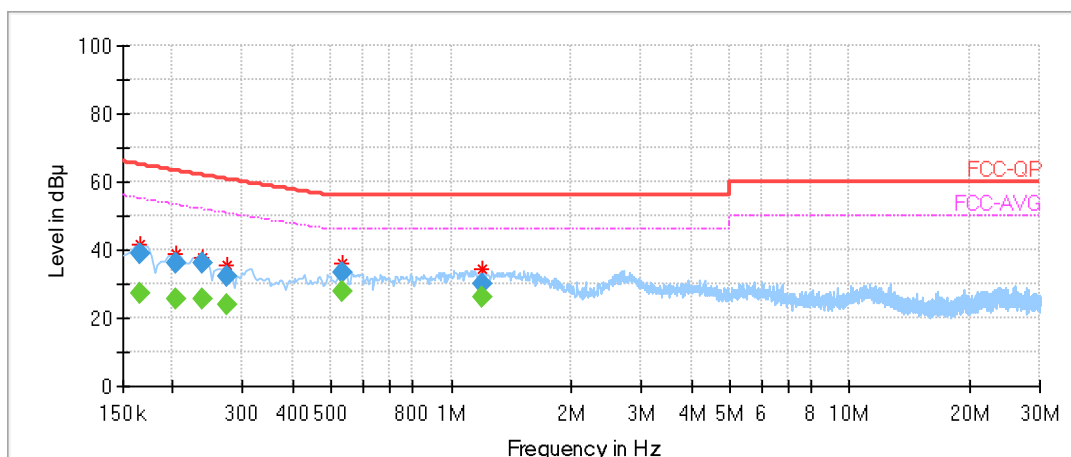


Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.166462	---	31.97	55.06	23.08	L1	OFF	20.0
0.166462	44.14	---	65.07	20.93	L1	OFF	20.0
0.203006	---	26.79	53.30	26.51	L1	OFF	20.0
0.203006	38.98	---	63.33	24.35	L1	OFF	20.0
0.238069	---	24.60	51.93	27.32	L1	OFF	19.9
0.238069	37.84	---	61.97	24.13	L1	OFF	19.9
0.306000	---	22.04	49.84	27.80	L1	OFF	19.9
0.306000	33.95	---	59.88	25.93	L1	OFF	19.9
0.405975	---	18.89	47.59	28.70	L1	OFF	19.9
0.405975	28.91	---	57.62	28.70	L1	OFF	19.9
0.542494	---	20.46	46.00	25.54	L1	OFF	19.8
0.542494	30.02	---	56.00	25.98	L1	OFF	19.8



Test Engineer :	Amos Zhang	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

Full Spectrum



Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.164925	---	26.95	55.14	28.19	N	OFF	20.2
0.164925	39.03	---	65.15	26.12	N	OFF	20.2
0.203719	---	25.80	53.27	27.47	N	OFF	20.2
0.203719	36.04	---	63.30	27.26	N	OFF	20.2
0.237300	---	25.38	51.96	26.57	N	OFF	20.1
0.237300	36.33	---	62.00	25.67	N	OFF	20.1
0.272362	---	24.10	50.80	26.70	N	OFF	20.1
0.272362	32.49	---	60.84	28.35	N	OFF	20.1
0.531356	---	27.70	46.00	18.30	N	OFF	19.9
0.531356	33.11	---	56.00	22.89	N	OFF	19.9
1.195526	---	25.95	46.00	20.05	N	OFF	19.8
1.195526	30.26	---	56.00	25.75	N	OFF	19.8

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Margin(dB) = Limit(dBμV) – QuasiPeak/Average value(dBμV)



Appendix C. Radiated Spurious Emission

WIFI Tx With AP16(US)

UNII-3 - 5725~5850MHz---ANT 1

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		5632.4	57.82	-10.48	68.3	42.9	35.48	12.06	32.62	106	117	P	H
		5693.6	57.67	-42.91	100.58	42.71	35.59	12.12	32.75	106	117	P	H
		5718.4	61.96	-48.49	110.45	47.02	35.65	12.15	32.86	106	117	P	H
		5720.8	66.95	-45.77	112.72	52.01	35.65	12.15	32.86	106	117	P	H
	*	5746	107.89	-	-	93.02	35.68	12.16	32.97	106	117	P	H
	*	5746	100.28	-	-	85.41	35.68	12.16	32.97	106	117	A	H
		5602.4	57.09	-11.21	68.3	42.29	35.47	12.05	32.72	372	69	P	V
		5670.4	56.71	-26.73	83.44	41.68	35.56	12.1	32.63	372	69	P	V
		5719.6	57.88	-52.91	110.79	42.94	35.65	12.15	32.86	372	69	P	V
		5722.8	58.62	-58.66	117.28	43.68	35.65	12.15	32.86	372	69	P	V
		5746	102.03	-	-	87.16	35.68	12.16	32.97	372	69	P	V
		5746	95.14	-	-	80.27	35.68	12.16	32.97	372	69	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5645.2	58.17	-10.13	68.3	43.11	35.5	12.08	32.52	107	121	P	H
		5660.4	57.09	-18.93	76.02	41.99	35.53	12.09	32.52	107	121	P	H
		5702.8	57.11	-48.98	106.09	42.11	35.62	12.13	32.75	107	121	P	H
		5722.8	57.63	-59.65	117.28	42.69	35.65	12.15	32.86	107	121	P	H
		5852.4	56.19	-60.64	116.83	41.5	35.87	12.25	33.43	107	121	P	H
		5872.8	56.86	-49.06	105.92	42.18	35.89	12.28	33.49	107	121	P	H
		5898	55.89	-32.35	88.24	41.26	35.88	12.29	33.54	107	121	P	H
		5934	55.94	-12.36	68.3	41.35	35.87	12.32	33.6	107	121	P	H
	*	5788	107.25	-	-	92.35	35.78	12.21	33.09	107	121	P	H
	*	5788	99.47	-	-	84.57	35.78	12.21	33.09	107	121	A	H
		5624.4	57	-11.3	68.3	42.08	35.48	12.06	32.62	383	71	P	V
		5671.6	56.55	-27.77	84.32	41.52	35.56	12.1	32.63	383	71	P	V
		5716	55.25	-54.53	109.78	40.36	35.62	12.13	32.86	383	71	P	V
		5720.4	56.58	-55.23	111.81	41.64	35.65	12.15	32.86	383	71	P	V
		5852	54.24	-63.5	117.74	39.55	35.87	12.25	33.43	383	71	P	V
		5856.4	55.16	-55.35	110.51	40.43	35.9	12.26	33.43	383	71	P	V
		5918.8	56.43	-16.44	72.87	41.78	35.88	12.31	33.54	383	71	P	V
		5941.2	55.08	-13.22	68.3	40.48	35.86	12.34	33.6	383	71	P	V
		5788	102.13	-	-	87.23	35.78	12.21	33.09	383	71	P	V
		5788	94.8	-	-	79.9	35.78	12.21	33.09	383	71	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5851.2	56.84	-62.72	119.56	42.15	35.87	12.25	33.43	100	118	P	H
		5867.2	57.16	-50.32	107.48	42.43	35.9	12.26	33.43	100	118	P	H
		5898.8	56.77	-30.88	87.65	42.14	35.88	12.29	33.54	100	118	P	H
		5925.6	56.11	-12.19	68.3	41.52	35.87	12.32	33.6	100	118	P	H
	*	5824	106.08	-	-	91.32	35.84	12.24	33.32	100	118	P	H
	*	5824	98.34	-	-	83.58	35.84	12.24	33.32	100	118	A	H
		5852	56.24	-61.5	117.74	41.55	35.87	12.25	33.43	378	69	P	V
		5865.2	56.04	-52	108.04	41.31	35.9	12.26	33.43	378	69	P	V
		5907.6	57.04	-24.1	81.14	42.39	35.88	12.31	33.54	378	69	P	V
		5952	55.43	-12.87	68.3	40.89	35.86	12.34	33.66	378	69	P	V
		5824	101.65	-	-	86.89	35.84	12.24	33.32	378	69	P	V
		5824	94.31	-	-	79.55	35.84	12.24	33.32	378	69	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11489.48	44.48	-29.52	74	48.6	38.69	17.62	60.43	100	360	P	H
		11489.48	43.88	-30.12	74	48	38.69	17.62	60.43	100	360	P	V
802.11a CH 157 5785MHz		11569.56	44.05	-29.95	74	48.01	38.74	17.68	60.38	300	0	P	H
		11569.56	45.12	-28.88	74	49.08	38.74	17.68	60.38	300	0	P	V
802.11a CH 165 5825MHz		11649.64	44.07	-29.93	74	47.9	38.78	17.72	60.33	100	360	P	H
		11649.64	45.13	-28.87	74	48.96	38.78	17.72	60.33	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5602.8	57.03	-11.27	68.3	42.23	35.47	12.05	32.72	106	118	P	H
		5690.8	56.97	-41.55	98.52	42.01	35.59	12.12	32.75	106	118	P	H
		5711.6	61.11	-47.44	108.55	46.11	35.62	12.13	32.75	106	118	P	H
		5722.4	63.29	-53.08	116.37	48.35	35.65	12.15	32.86	106	118	P	H
	*	5746	105.77	-	-	90.9	35.68	12.16	32.97	106	118	P	H
	*	5746	98.84	-	-	83.97	35.68	12.16	32.97	106	118	A	H
		5612	56.71	-11.59	68.3	41.81	35.47	12.05	32.62	352	69	P	V
		5677.2	56.96	-31.51	88.47	41.93	35.56	12.1	32.63	352	69	P	V
		5719.6	58.46	-52.33	110.79	43.52	35.65	12.15	32.86	352	69	P	V
		5723.6	60.03	-59.08	119.11	45.09	35.65	12.15	32.86	352	69	P	V
	*	5746	101.79	-	-	86.92	35.68	12.16	32.97	352	69	P	V
	*	5746	94.1	-	-	79.23	35.68	12.16	32.97	352	69	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5637.2	57.61	-10.69	68.3	42.55	35.5	12.08	32.52	107	120	P	H
		5663.6	57.17	-21.23	78.4	42.18	35.53	12.09	32.63	107	120	P	H
		5712.4	56.86	-51.91	108.77	41.86	35.62	12.13	32.75	107	120	P	H
		5724	55.5	-64.52	120.02	40.56	35.65	12.15	32.86	107	120	P	H
		5851.6	55.54	-63.11	118.65	40.85	35.87	12.25	33.43	107	120	P	H
		5864.8	56.75	-51.4	108.15	42.02	35.9	12.26	33.43	107	120	P	H
		5891.2	56.01	-37.27	93.28	41.33	35.88	12.29	33.49	107	120	P	H
		5931.6	55.95	-12.35	68.3	41.36	35.87	12.32	33.6	107	120	P	H
	*	5788	105.92	-	-	91.02	35.78	12.21	33.09	107	120	P	H
	*	5788	98.6	-	-	83.7	35.78	12.21	33.09	107	120	A	H
		5615.2	56.45	-11.85	68.3	41.55	35.47	12.05	32.62	383	69	P	V
		5655.6	56.55	-15.91	72.46	41.45	35.53	12.09	32.52	383	69	P	V
		5706.4	56.24	-50.85	107.09	41.24	35.62	12.13	32.75	383	69	P	V
		5720.4	54.68	-57.13	111.81	39.74	35.65	12.15	32.86	383	69	P	V
		5850.4	55.51	-65.88	121.39	40.82	35.87	12.25	33.43	383	69	P	V
		5868.8	56.64	-50.39	107.03	41.91	35.9	12.26	33.43	383	69	P	V
		5916	56.08	-18.86	74.94	41.43	35.88	12.31	33.54	383	69	P	V
		5930.4	54.8	-13.5	68.3	40.21	35.87	12.32	33.6	383	69	P	V
		5788	102.09	-	-	87.19	35.78	12.21	33.09	383	69	P	V
		5788	94.53	-	-	79.63	35.78	12.21	33.09	383	69	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5851.2	58.82	-60.74	119.56	44.13	35.87	12.25	33.43	100	120	P	H
		5867.6	56.98	-50.39	107.37	42.25	35.9	12.26	33.43	100	120	P	H
		5892	57.07	-35.61	92.68	42.39	35.88	12.29	33.49	100	120	P	H
		5951.6	56.63	-11.67	68.3	42.09	35.86	12.34	33.66	100	120	P	H
	*	5824	105.66	-	-	90.9	35.84	12.24	33.32	100	120	P	H
	*	5824	97.99	-	-	83.23	35.84	12.24	33.32	100	120	A	H
		5853.2	56.18	-58.82	115	41.49	35.87	12.25	33.43	359	64	P	V
		5873.2	58.16	-47.64	105.8	43.48	35.89	12.28	33.49	359	64	P	V
		5880	56.48	-45.11	101.59	41.8	35.89	12.28	33.49	359	64	P	V
		5963.2	56.42	-11.88	68.3	41.88	35.85	12.35	33.66	359	64	P	V
	*	5824	100.83	-	-	86.07	35.84	12.24	33.32	359	64	P	V
	*	5824	93.6	-	-	78.84	35.84	12.24	33.32	359	64	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20		11489.48	44.41	-29.59	74	48.53	38.69	17.62	60.43	300	0	P	H
CH 149 5745MHz		11489.48	44.51	-29.49	74	48.63	38.69	17.62	60.43	300	0	P	V
802.11n HT20		11569.56	44.18	-29.82	74	48.14	38.74	17.68	60.38	100	360	P	H
CH 157 5785MHz		11569.56	43.89	-30.11	74	47.85	38.74	17.68	60.38	100	360	P	V
802.11n HT20		11649.64	43.88	-30.12	74	47.71	38.78	17.72	60.33	100	360	P	H
CH 165 5825MHz		11649.64	44.1	-29.9	74	47.93	38.78	17.72	60.33	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 151 5755MHz		5600.1	57.56	-10.74	68.3	42.76	35.47	12.05	32.72	100	119	P	H
		5688.4	58.96	-37.78	96.74	44	35.59	12.12	32.75	100	119	P	H
		5718.8	73.18	-37.38	110.56	58.24	35.65	12.15	32.86	100	119	P	H
		5720.4	73.5	-38.31	111.81	58.56	35.65	12.15	32.86	100	119	P	H
		5850.4	55.71	-65.68	121.39	41.02	35.87	12.25	33.43	100	119	P	H
		5867.2	56.27	-51.21	107.48	41.54	35.9	12.26	33.43	100	119	P	H
		5880.8	56.87	-44.12	100.99	42.19	35.89	12.28	33.49	100	119	P	H
		5962.4	56.28	-12.02	68.3	41.74	35.85	12.35	33.66	100	119	P	H
	*	5758	103.97	-	-	89.04	35.72	12.18	32.97	100	119	P	H
	*	5758	96.23	-	-	81.3	35.72	12.18	32.97	100	119	A	H
		5617.6	56.14	-12.16	68.3	41.22	35.48	12.06	32.62	369	69	P	V
		5662.8	56.94	-20.86	77.8	41.95	35.53	12.09	32.63	369	69	P	V
		5719.9	65.86	-45.01	110.87	50.92	35.65	12.15	32.86	369	69	P	V
		5722.8	68.22	-49.06	117.28	53.28	35.65	12.15	32.86	369	69	P	V
		5852.4	55.46	-61.37	116.83	40.77	35.87	12.25	33.43	369	69	P	V
		5869.2	55.02	-51.9	106.92	40.35	35.9	12.26	33.49	369	69	P	V
		5908	55.8	-25.04	80.84	41.15	35.88	12.31	33.54	369	69	P	V
		5941.2	56	-12.3	68.3	41.4	35.86	12.34	33.6	369	69	P	V
	*	5758	99.03	-	-	84.1	35.72	12.18	32.97	369	69	P	V
	*	5758	91.77	-	-	76.84	35.72	12.18	32.97	369	69	A	V



WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40 CH 159 5795MHz		5646.4	56.76	-11.54	68.3	41.7	35.5	12.08	32.52	100	119	P	H
		5661.2	56.79	-19.83	76.62	41.8	35.53	12.09	32.63	100	119	P	H
		5718.4	57.01	-53.44	110.45	42.07	35.65	12.15	32.86	100	119	P	H
		5723.2	56.52	-61.68	118.2	41.58	35.65	12.15	32.86	100	119	P	H
		5854.8	56.36	-55	111.36	41.63	35.9	12.26	33.43	100	119	P	H
		5860	56.91	-52.59	109.5	42.18	35.9	12.26	33.43	100	119	P	H
		5885.6	57.55	-39.88	97.43	42.87	35.89	12.28	33.49	100	119	P	H
		5957.2	56.7	-11.6	68.3	42.16	35.85	12.35	33.66	100	119	P	H
	*	5794	103.22	-	-	88.43	35.78	12.21	33.2	100	119	P	H
	*	5794	95.76	-	-	80.97	35.78	12.21	33.2	100	119	A	H
		5622.4	56.08	-12.22	68.3	41.16	35.48	12.06	32.62	383	70	P	V
		5690.8	56.79	-41.73	98.52	41.83	35.59	12.12	32.75	383	70	P	V
		5701.2	55.97	-49.67	105.64	40.97	35.62	12.13	32.75	383	70	P	V
		5723.6	55.45	-63.66	119.11	40.51	35.65	12.15	32.86	383	70	P	V
		5853.6	55.85	-58.24	114.09	41.12	35.9	12.26	33.43	383	70	P	V
		5862.8	55.38	-53.33	108.71	40.65	35.9	12.26	33.43	383	70	P	V
		5913.6	55.59	-21.12	76.71	40.94	35.88	12.31	33.54	383	70	P	V
		5933.6	55.44	-12.86	68.3	40.85	35.87	12.32	33.6	383	70	P	V
	*	5800	99.27	-	-	84.48	35.78	12.21	33.2	383	70	P	V
	*	5800	91.55	-	-	76.76	35.78	12.21	33.2	383	70	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ac VHT40 (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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT40		11509.5	44.42	-29.58	74	48.52	38.7	17.63	60.43	100	360	P	H
CH 151 5755MHz		11509.5	43.64	-30.36	74	47.74	38.7	17.63	60.43	100	360	P	V
802.11ac VHT40		11589.58	43.86	-30.14	74	47.79	38.75	17.69	60.37	100	360	P	H
CH 159 5795MHz		11589.58	44.41	-29.59	74	48.34	38.75	17.69	60.37	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5638	58.05	-10.25	68.3	42.99	35.5	12.08	32.52	100	118	P	H
		5684.8	60.24	-33.85	94.09	45.16	35.59	12.12	32.63	100	118	P	H
		5702.4	60.3	-45.67	105.97	45.3	35.62	12.13	32.75	100	118	P	H
		5720.4	61.74	-50.07	111.81	46.8	35.65	12.15	32.86	100	118	P	H
		5854	57.13	-56.05	113.18	42.4	35.9	12.26	33.43	100	118	P	H
		5869.2	58.62	-48.3	106.92	43.95	35.9	12.26	33.49	100	118	P	H
		5881.6	57.81	-42.59	100.4	43.13	35.89	12.28	33.49	100	118	P	H
		5945.6	55.91	-12.39	68.3	41.31	35.86	12.34	33.6	100	118	P	H
	*	5764	98.78	-	-	83.85	35.72	12.18	32.97	100	118	P	H
	*	5764	91.25	-	-	76.32	35.72	12.18	32.97	100	118	A	H
		5612	57.49	-10.81	68.3	42.59	35.47	12.05	32.62	368	65	P	V
		5681.6	56.72	-35	91.72	41.69	35.56	12.1	32.63	368	65	P	V
		5718.4	56.65	-53.8	110.45	41.71	35.65	12.15	32.86	368	65	P	V
		5723.6	56	-63.11	119.11	41.06	35.65	12.15	32.86	368	65	P	V
		5854.4	56.64	-55.63	112.27	41.91	35.9	12.26	33.43	368	65	P	V
		5868.8	56.41	-50.62	107.03	41.68	35.9	12.26	33.43	368	65	P	V
		5880.8	56.13	-44.86	100.99	41.45	35.89	12.28	33.49	368	65	P	V
		5940.8	55.79	-12.51	68.3	41.19	35.86	12.34	33.6	368	65	P	V
	*	5770	93.69	-	-	78.84	35.75	12.19	33.09	368	65	P	V
	*	5770	86.01	-	-	71.16	35.75	12.19	33.09	368	65	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		10378.38	43.91	-24.39	68.3	49.28	38.33	16.97	60.67	300	0	P	H
CH 155 5775MHz		10378.38	44.04	-24.26	68.3	49.41	38.33	16.97	60.67	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 - 5725~5850MHz---ANT 2

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5649.2	57.62	-10.68	68.3	42.56	35.5	12.08	32.52	111	132	P	H
		5698	56.96	-46.87	103.83	42	35.59	12.12	32.75	111	132	P	H
		5720	66.22	-44.68	110.9	51.28	35.65	12.15	32.86	111	132	P	H
		5724.4	66.4	-54.53	120.93	51.46	35.65	12.15	32.86	111	132	P	H
	*	5746	105.49	-	-	90.62	35.68	12.16	32.97	111	132	P	H
	*	5746	97.99	-	-	83.12	35.68	12.16	32.97	111	132	A	H
		5639.6	56.9	-11.4	68.3	41.84	35.5	12.08	32.52	298	0	P	V
		5675.6	57.16	-30.12	87.28	42.13	35.56	12.1	32.63	298	0	P	V
		5704.8	56.58	-50.07	106.65	41.58	35.62	12.13	32.75	298	0	P	V
		5720.8	56.99	-55.73	112.72	42.05	35.65	12.15	32.86	298	0	P	V
	*	5746	100.6	-	-	85.73	35.68	12.16	32.97	298	0	P	V
	*	5746	92.9	-	-	78.03	35.68	12.16	32.97	298	0	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5614.4	57.66	-10.64	68.3	42.76	35.47	12.05	32.62	100	122	P	H
		5664	56.44	-22.25	78.69	41.45	35.53	12.09	32.63	100	122	P	H
		5714.8	56.23	-53.22	109.45	41.34	35.62	12.13	32.86	100	122	P	H
		5720.4	55.72	-56.09	111.81	40.78	35.65	12.15	32.86	100	122	P	H
		5854	54.96	-58.22	113.18	40.23	35.9	12.26	33.43	100	122	P	H
		5863.6	56.05	-52.44	108.49	41.32	35.9	12.26	33.43	100	122	P	H
		5886	56.64	-40.49	97.13	41.96	35.89	12.28	33.49	100	122	P	H
		5942.8	56.47	-11.83	68.3	41.87	35.86	12.34	33.6	100	122	P	H
	*	5788	106.3	-	-	91.4	35.78	12.21	33.09	100	122	P	H
	*	5788	98.53	-	-	83.63	35.78	12.21	33.09	100	122	A	H
		5625.2	57.49	-10.81	68.3	42.57	35.48	12.06	32.62	100	324	P	V
		5682.4	56.01	-36.3	92.31	40.98	35.56	12.1	32.63	100	324	P	V
		5705.2	55.62	-51.14	106.76	40.62	35.62	12.13	32.75	100	324	P	V
		5722.8	55.81	-61.47	117.28	40.87	35.65	12.15	32.86	100	324	P	V
		5852.4	54.7	-62.13	116.83	40.01	35.87	12.25	33.43	100	324	P	V
		5858	55.61	-54.45	110.06	40.88	35.9	12.26	33.43	100	324	P	V
		5878	55.96	-47.11	103.07	41.28	35.89	12.28	33.49	100	324	P	V
		5944	56.1	-12.2	68.3	41.5	35.86	12.34	33.6	100	324	P	V
	*	5788	100.45	-	-	85.55	35.78	12.21	33.09	100	324	P	V
	*	5788	93.03	-	-	78.13	35.78	12.21	33.09	100	324	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 165 5825MHz		5854.8	57.72	-53.64	111.36	42.99	35.9	12.26	33.43	100	120	P	H
		5863.2	56.19	-52.41	108.6	41.46	35.9	12.26	33.43	100	120	P	H
		5881.6	56.38	-44.02	100.4	41.7	35.89	12.28	33.49	100	120	P	H
		5962	55.67	-12.63	68.3	41.13	35.85	12.35	33.66	100	120	P	H
	*	5824	105.85	-	-	91.09	35.84	12.24	33.32	100	120	P	H
	*	5824	98.09	-	-	83.33	35.84	12.24	33.32	100	120	A	H
		5850	57.57	-64.73	122.3	42.88	35.87	12.25	33.43	100	323	P	V
		5858	56.87	-53.19	110.06	42.14	35.9	12.26	33.43	100	323	P	V
		5898	56.29	-31.95	88.24	41.66	35.88	12.29	33.54	100	323	P	V
		5944.4	55.73	-12.57	68.3	41.13	35.86	12.34	33.6	100	323	P	V
	*	5824	100.06	-	-	85.3	35.84	12.24	33.32	100	323	P	V
	*	5824	92.21	-	-	77.45	35.84	12.24	33.32	100	323	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 149 5745MHz		11489.48	46.07	-27.93	74	50.19	38.69	17.62	60.43	300	0	P	H
		11489.48	44.85	-29.15	74	48.97	38.69	17.62	60.43	300	0	P	V
802.11a CH 157 5785MHz		11569.56	45.32	-28.68	74	49.28	38.74	17.68	60.38	300	0	P	H
		11569.56	45.64	-28.36	74	49.6	38.74	17.68	60.38	300	0	P	V
802.11a CH 165 5825MHz		11649.64	45.03	-28.97	74	48.86	38.78	17.72	60.33	100	360	P	H
		11649.64	44.39	-29.61	74	48.22	38.78	17.72	60.33	100	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 149 5745MHz		5633.6	57.13	-11.17	68.3	42.17	35.5	12.08	32.62	100	136	P	H
		5699.6	58.92	-46.09	105.01	43.96	35.59	12.12	32.75	100	136	P	H
		5719.9	64.5	-46.37	110.87	49.56	35.65	12.15	32.86	100	136	P	H
		5724.4	71.68	-49.25	120.93	56.74	35.65	12.15	32.86	100	136	P	H
	*	5746	105.45	-	-	90.58	35.68	12.16	32.97	100	136	P	H
	*	5746	98.15	-	-	83.28	35.68	12.16	32.97	100	136	A	H
		5636.4	57.21	-11.09	68.3	42.15	35.5	12.08	32.52	103	331	P	V
		5670.8	56.55	-27.18	83.73	41.52	35.56	12.1	32.63	103	331	P	V
		5708.8	57.14	-50.63	107.77	42.14	35.62	12.13	32.75	103	331	P	V
		5722	59.96	-55.5	115.46	45.02	35.65	12.15	32.86	103	331	P	V
	*	5746	99.74	-	-	84.87	35.68	12.16	32.97	103	331	P	V
	*	5746	92.52	-	-	77.65	35.68	12.16	32.97	103	331	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 157 5785MHz		5601.2	56.79	-11.51	68.3	41.99	35.47	12.05	32.72	100	123	P	H
		5690.8	57.04	-41.48	98.52	42.08	35.59	12.12	32.75	100	123	P	H
		5719.8	56.95	-53.89	110.84	42.01	35.65	12.15	32.86	100	123	P	H
		5720.4	56.95	-54.86	111.81	42.01	35.65	12.15	32.86	100	123	P	H
		5854	55.33	-57.85	113.18	40.6	35.9	12.26	33.43	100	123	P	H
		5861.6	56.54	-52.51	109.05	41.81	35.9	12.26	33.43	100	123	P	H
		5892.4	56.45	-35.94	92.39	41.77	35.88	12.29	33.49	100	123	P	H
		5939.2	55.99	-12.31	68.3	41.39	35.86	12.34	33.6	100	123	P	H
	*	5782	106.26	-	-	91.41	35.75	12.19	33.09	100	123	P	H
	*	5782	98.42	-	-	83.57	35.75	12.19	33.09	100	123	A	H
		5601.2	56.63	-11.67	68.3	41.83	35.47	12.05	32.72	100	332	P	V
		5651.6	56.41	-13.08	69.49	41.31	35.53	12.09	32.52	100	332	P	V
		5704	56.81	-49.61	106.42	41.81	35.62	12.13	32.75	100	332	P	V
		5720.4	55.51	-56.3	111.81	40.57	35.65	12.15	32.86	100	332	P	V
		5850.4	55.66	-65.73	121.39	40.97	35.87	12.25	33.43	100	332	P	V
		5866	55.54	-52.28	107.82	40.81	35.9	12.26	33.43	100	332	P	V
		5906	55.6	-26.72	82.32	40.95	35.88	12.31	33.54	100	332	P	V
		5968	55.76	-12.54	68.3	41.22	35.85	12.35	33.66	100	332	P	V
	*	5782	99.1	-	-	84.25	35.75	12.19	33.09	100	332	P	V
	*	5782	91.26	-	-	76.41	35.75	12.19	33.09	100	332	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 165 5825MHz		5854	57.42	-55.76	113.18	42.69	35.9	12.26	33.43	100	124	P	H
		5856.8	57.03	-53.37	110.4	42.3	35.9	12.26	33.43	100	124	P	H
		5883.2	57.3	-41.91	99.21	42.62	35.89	12.28	33.49	100	124	P	H
		5928.4	56.23	-12.07	68.3	41.64	35.87	12.32	33.6	100	124	P	H
	*	5824	105.75	-	-	90.99	35.84	12.24	33.32	100	124	P	H
	*	5824	98.16	-	-	83.4	35.84	12.24	33.32	100	124	A	H
		5854	56.41	-56.77	113.18	41.68	35.9	12.26	33.43	100	323	P	V
		5857.2	57.22	-53.06	110.28	42.49	35.9	12.26	33.43	100	323	P	V
		5920.8	56.26	-15.14	71.4	41.61	35.88	12.31	33.54	100	323	P	V
		5957.2	55.96	-12.34	68.3	41.42	35.85	12.35	33.66	100	323	P	V
	*	5824	98.92	-	-	84.16	35.84	12.24	33.32	100	323	P	V
	*	5824	90.99	-	-	76.23	35.84	12.24	33.32	100	323	A	V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20		11489.48	45.16	-28.84	74	49.28	38.69	17.62	60.43	300	0	P	H
CH 149 5745MHz		11489.48	44.3	-29.7	74	48.42	38.69	17.62	60.43	300	0	P	V
802.11n HT20		11569.56	44.49	-29.51	74	48.45	38.74	17.68	60.38	300	0	P	H
CH 157 5785MHz		11569.56	44.65	-29.35	74	48.61	38.74	17.68	60.38	300	0	P	V
802.11n HT20		11649.64	45.4	-28.6	74	49.23	38.78	17.72	60.33	300	0	P	H
CH 165 5825MHz		11649.64	44.85	-29.15	74	48.68	38.78	17.72	60.33	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 151 5755MHz		5645.6	58.03	-10.27	68.3	42.97	35.5	12.08	32.52	102	136	P	H
		5658.8	57.21	-17.63	74.84	42.11	35.53	12.09	32.52	102	136	P	H
		5717.2	59.75	-50.37	110.12	44.86	35.62	12.13	32.86	102	136	P	H
		5724.8	61.29	-60.55	121.84	46.35	35.65	12.15	32.86	102	136	P	H
		5851.2	55.81	-63.75	119.56	41.12	35.87	12.25	33.43	102	136	P	H
		5874.8	57.58	-47.78	105.36	42.9	35.89	12.28	33.49	102	136	P	H
		5876.8	56.63	-47.33	103.96	41.95	35.89	12.28	33.49	102	136	P	H
		5946.4	55.12	-13.18	68.3	40.52	35.86	12.34	33.6	102	136	P	H
	*	5752	103.46	-	-	88.53	35.72	12.18	32.97	102	136	P	H
	*	5752	96.38	-	-	81.45	35.72	12.18	32.97	102	136	A	H
		5620.8	56.82	-11.48	68.3	41.9	35.48	12.06	32.62	330	360	P	V
		5661.6	56.79	-20.12	76.91	41.8	35.53	12.09	32.63	330	360	P	V
		5718.4	56.34	-54.11	110.45	41.4	35.65	12.15	32.86	330	360	P	V
		5720.8	56.47	-56.25	112.72	41.53	35.65	12.15	32.86	330	360	P	V
		5854.8	54.77	-56.59	111.36	40.04	35.9	12.26	33.43	330	360	P	V
		5860.4	55.05	-54.34	109.39	40.32	35.9	12.26	33.43	330	360	P	V
		5920.4	55.98	-15.71	71.69	41.33	35.88	12.31	33.54	330	360	P	V
		5935.2	55.59	-12.71	68.3	41	35.87	12.32	33.6	330	360	P	V
	*	5758	97.26	-	-	82.33	35.72	12.18	32.97	330	360	P	V
	*	5758	89.84	-	-	74.91	35.72	12.18	32.97	330	360	A	V



WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 159 5795MHz		5634	56.52	-11.78	68.3	41.56	35.5	12.08	32.62	100	132	P	H
		5663.6	57.12	-21.28	78.4	42.13	35.53	12.09	32.63	100	132	P	H
		5716	56.83	-52.95	109.78	41.94	35.62	12.13	32.86	100	132	P	H
		5724.8	58.75	-63.09	121.84	43.81	35.65	12.15	32.86	100	132	P	H
		5850.1	56.8	-65.27	122.07	42.11	35.87	12.25	33.43	100	132	P	H
		5864.4	57.04	-51.23	108.27	42.31	35.9	12.26	33.43	100	132	P	H
		5910.8	56.58	-22.2	78.78	41.93	35.88	12.31	33.54	100	132	P	H
		5958.8	56.59	-11.71	68.3	42.05	35.85	12.35	33.66	100	132	P	H
	*	5794	102.78	-	-	87.99	35.78	12.21	33.2	100	132	P	H
	*	5794	95.58	-	-	80.79	35.78	12.21	33.2	100	132	A	H
		5607.6	56.32	-11.98	68.3	41.52	35.47	12.05	32.72	100	330	P	V
		5665.2	58.18	-21.4	79.58	43.19	35.53	12.09	32.63	100	330	P	V
		5706	56.84	-50.14	106.98	41.84	35.62	12.13	32.75	100	330	P	V
		5722	55.12	-60.34	115.46	40.18	35.65	12.15	32.86	100	330	P	V
		5852.8	54.9	-61.02	115.92	40.21	35.87	12.25	33.43	100	330	P	V
		5856	55.43	-55.19	110.62	40.7	35.9	12.26	33.43	100	330	P	V
		5878	55.6	-47.47	103.07	40.92	35.89	12.28	33.49	100	330	P	V
		5975.6	56.05	-12.25	68.3	41.55	35.84	12.37	33.71	100	330	P	V
	*	5800	96.79	-	-	82	35.78	12.21	33.2	100	330	P	V
	*	5800	88.95	-	-	74.16	35.78	12.21	33.2	100	330	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40		11509.5	44.71	-29.29	74	48.81	38.7	17.63	60.43	300	0	P	H
CH 151 5755MHz		11509.5	44.44	-29.56	74	48.54	38.7	17.63	60.43	300	0	P	V
802.11n HT40		11589.58	45.2	-28.8	74	49.13	38.75	17.69	60.37	300	0	P	H
CH 159 5795MHz		11589.58	44.89	-29.11	74	48.82	38.75	17.69	60.37	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 155 5775MHz		5628	57.05	-11.25	68.3	42.13	35.48	12.06	32.62	106	123	P	H
		5699.2	64.05	-40.66	104.71	49.09	35.59	12.12	32.75	106	123	P	H
		5719.7	71.98	-38.84	110.82	57.04	35.65	12.15	32.86	106	123	P	H
		5724.4	72.37	-48.56	120.93	57.43	35.65	12.15	32.86	106	123	P	H
		5851.6	61.6	-57.05	118.65	46.91	35.87	12.25	33.43	106	123	P	H
		5856.4	62.45	-48.06	110.51	47.72	35.9	12.26	33.43	106	123	P	H
		5879.6	57.83	-44.05	101.88	43.15	35.89	12.28	33.49	106	123	P	H
		5946.8	55.68	-12.62	68.3	41.08	35.86	12.34	33.6	106	123	P	H
	*	5776	98.75	-	-	83.9	35.75	12.19	33.09	106	123	P	H
	*	5776	90.83	-	-	75.98	35.75	12.19	33.09	106	123	A	H
		5613.6	56.34	-11.96	68.3	41.44	35.47	12.05	32.62	100	331	P	V
		5699.7	58.9	-46.18	105.08	43.94	35.59	12.12	32.75	100	331	P	V
		5718.4	64.91	-45.54	110.45	49.97	35.65	12.15	32.86	100	331	P	V
		5721.2	66.38	-47.26	113.64	51.44	35.65	12.15	32.86	100	331	P	V
		5852.4	57.43	-59.4	116.83	42.74	35.87	12.25	33.43	100	331	P	V
		5860.4	56	-53.39	109.39	41.27	35.9	12.26	33.43	100	331	P	V
		5886.8	56.4	-40.14	96.54	41.72	35.89	12.28	33.49	100	331	P	V
		5953.6	57.08	-11.22	68.3	42.54	35.86	12.34	33.66	100	331	P	V
	*	5776	91.06	-	-	76.21	35.75	12.19	33.09	100	331	P	V
	*	5776	83.3	-	-	68.45	35.75	12.19	33.09	100	331	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



UNII-3 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 2	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80		11549.54	44.97	-29.03	74	48.97	38.73	17.66	60.39	300	0	P	H
CH 155 5775MHz		11549.54	44.77	-29.23	74	48.77	38.73	17.66	60.39	300	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Tx With AP15(US)

UNII-3 - 5725~5850MHz---ANT 1

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 157 5785MHz		5620	56.63	-11.67	68.3	41.71	35.48	12.06	32.62	100	118	P	H
		5671.6	56.64	-27.68	84.32	41.61	35.56	12.1	32.63	100	118	P	H
		5709.2	57.42	-50.46	107.88	42.42	35.62	12.13	32.75	100	118	P	H
		5722.8	55.64	-61.64	117.28	40.7	35.65	12.15	32.86	100	118	P	H
		5853.2	55.57	-59.43	115	40.88	35.87	12.25	33.43	100	118	P	H
		5870	56.54	-50.16	106.7	41.87	35.9	12.26	33.49	100	118	P	H
		5917.2	55.78	-18.27	74.05	41.13	35.88	12.31	33.54	100	118	P	H
		5958.8	55.9	-12.4	68.3	41.36	35.85	12.35	33.66	100	118	P	H
	*	5782	106.07	-	-	91.22	35.75	12.19	33.09	100	118	P	H
	*	5782	97.55	-	-	82.7	35.75	12.19	33.09	100	118	A	H
		5632.4	57.55	-10.75	68.3	42.63	35.48	12.06	32.62	384	68	P	V
		5656.8	55.88	-17.47	73.35	40.78	35.53	12.09	32.52	384	68	P	V
		5715.2	55.93	-53.63	109.56	41.04	35.62	12.13	32.86	384	68	P	V
		5720	54.94	-55.96	110.9	40	35.65	12.15	32.86	384	68	P	V
		5853.6	54.67	-59.42	114.09	39.94	35.9	12.26	33.43	384	68	P	V
		5861.2	55.06	-54.1	109.16	40.33	35.9	12.26	33.43	384	68	P	V
		5882	56.17	-43.93	100.1	41.49	35.89	12.28	33.49	384	68	P	V
		5972.4	55.92	-12.38	68.3	41.38	35.85	12.35	33.66	384	68	P	V
	*	5788	101.63	-	-	86.73	35.78	12.21	33.09	384	68	P	V
	*	5788	92.83	-	-	77.93	35.78	12.21	33.09	384	68	A	V



UNII-3 - 5725~5850MHz---ANT 1

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)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a		11569.56	44.27	-29.73	74	48.23	38.74	17.68	60.38	300	0	P	H
CH 157		11569.56	44.94	-29.06	74	48.9	38.74	17.68	60.38	300	0	P	V
5785MHz													
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz---ANT 1

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		30	22.75	-17.25	40	28.8	24.6	0.58	31.23	-	-	P	H
		159.98	18.15	-25.35	43.5	31.44	16	2.03	31.32	-	-	P	H
		185.2	22.99	-20.51	43.5	36.97	15.15	2.2	31.33	-	-	P	H
		288.99	25.75	-20.25	46	35.23	19.35	2.75	31.58	-	-	P	H
		310.33	26.6	-19.4	46	35.88	19.51	2.85	31.64	-	-	P	H
		864.2	28.79	-17.21	46	28.78	26.49	4.79	31.27	-	-	P	H
		30.97	25.59	-14.41	40	32.21	24.04	0.59	31.25	-	-	P	V
		186.17	16.79	-26.71	43.5	30.79	15.12	2.21	31.33	-	-	P	V
		284.14	20	-26	46	29.44	19.38	2.73	31.55	-	-	P	V
		463.59	21.99	-24.01	46	26.95	22.82	3.5	31.28	-	-	P	V
		564.47	25.28	-20.72	46	28.05	24.91	3.86	31.54	-	-	P	V
		757.5	28.41	-17.59	46	29.34	25.72	4.48	31.13	-	-	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	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 01													
2412MHz		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

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

For Average Limit @ 2390MHz:

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

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



Appendix D. Radiated Spurious Emission Plots

Note symbol

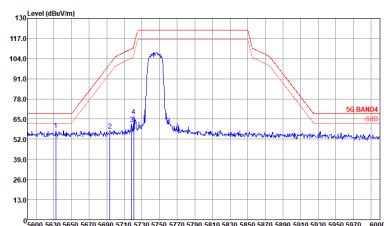
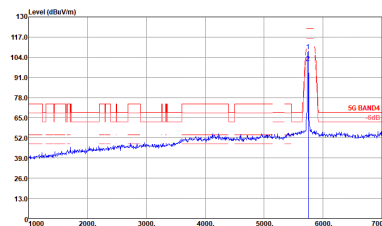
-L	Low channel location
-R	High channel location



WIFI Tx With AP16(US)

UNII-3- 5725~5850MHz---ANT 1

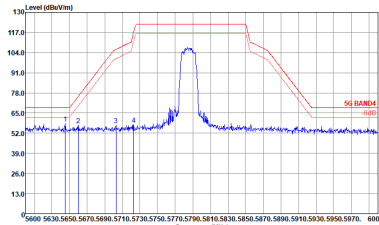
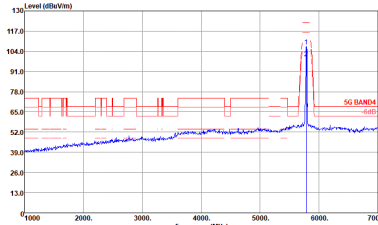
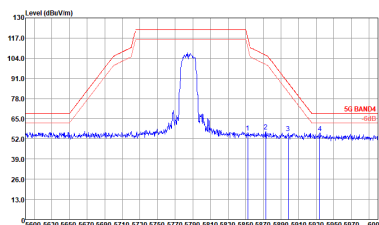
WIFI 802.11a (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																			
ANT	802.11a CH149 5745MHz																																																																																																																			
1	Horizontal	Fundamental																																																																																																																		
Peak	 Site : 03CB05-K5 Condition : SG BAND4 In 1117 00210003 HORIZONTAL Pwr : 1000.000000 W 3000.000000 SWT Auto Project : ME14042 Ref : 30 Plan : 0 Pull-directivity : 0 IMEI : 01 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5632.48</td><td>57.82</td><td>-18.48</td><td>68.38</td><td>42.98</td><td>35.48</td><td>12.86</td><td>32.62</td><td>186</td><td>117 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5693.68</td><td>57.67</td><td>-42.51</td><td>100.18</td><td>42.71</td><td>35.59</td><td>12.12</td><td>32.75</td><td>186</td><td>117 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5718.48</td><td>61.96</td><td>-48.49</td><td>110.45</td><td>47.82</td><td>35.65</td><td>12.15</td><td>32.86</td><td>186</td><td>117 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5728.88</td><td>68.95</td><td>-45.77</td><td>112.72</td><td>52.01</td><td>35.65</td><td>12.15</td><td>32.86</td><td>186</td><td>117 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5632.48	57.82	-18.48	68.38	42.98	35.48	12.86	32.62	186	117 Peak	HORIZONTAL	2	5693.68	57.67	-42.51	100.18	42.71	35.59	12.12	32.75	186	117 Peak	HORIZONTAL	3	5718.48	61.96	-48.49	110.45	47.82	35.65	12.15	32.86	186	117 Peak	HORIZONTAL	4	5728.88	68.95	-45.77	112.72	52.01	35.65	12.15	32.86	186	117 Peak	HORIZONTAL	 Site : 03CB05-K5 Condition : SG BAND4 In 1117 00210003 HORIZONTAL Pwr : 1000.000000 W 3000.000000 SWT Auto Project : ME14042 Ref : 30 Plan : 0 Pull-directivity : 0 IMEI : 01 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.88</td><td>187.89</td><td>93.82</td><td>35.48</td><td>12.16</td><td>32.97</td><td>186</td><td>117 Peak</td><td>HORIZONTAL</td><td></td></tr><tr><td>2</td><td>5746.88</td><td>188.28</td><td>95.41</td><td>35.48</td><td>12.16</td><td>32.97</td><td>186</td><td>117 Average</td><td>HORIZONTAL</td><td></td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5746.88	187.89	93.82	35.48	12.16	32.97	186	117 Peak	HORIZONTAL		2	5746.88	188.28	95.41	35.48	12.16	32.97	186	117 Average	HORIZONTAL	
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																									
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3	5718.48	61.96	-48.49	110.45	47.82	35.65	12.15	32.86	186	117 Peak	HORIZONTAL																																																																																																									
4	5728.88	68.95	-45.77	112.72	52.01	35.65	12.15	32.86	186	117 Peak	HORIZONTAL																																																																																																									
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MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg																																																																																																												
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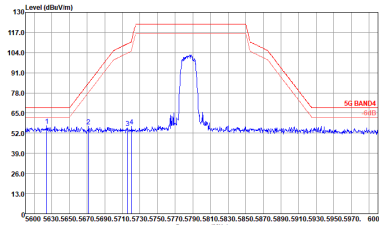
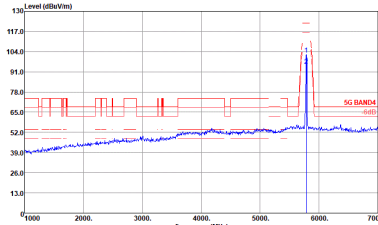
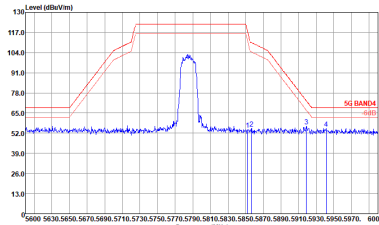


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11a CH149 5745MHz																																																																																																															
1	Vertical	Fundamental																																																																																																														
Peak	Site : 03CB05-KS Condition : 5G BAND4 In 2117 00210000 VERTICAL RFW : 1000.000000 VFW : 3000.000000 SWT : Auto Project : #E214042 Mode : 30 Plane : Y Pull-directivity : #1 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5682.48</td><td>57.89</td><td>-11.21</td><td>68.38</td><td>42.29</td><td>35.47</td><td>12.85</td><td>32.72</td><td>69 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5678.48</td><td>56.73</td><td>-10.73</td><td>63.44</td><td>41.68</td><td>35.36</td><td>12.18</td><td>32.63</td><td>69 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5719.48</td><td>57.88</td><td>-12.91</td><td>118.79</td><td>42.94</td><td>35.45</td><td>12.15</td><td>32.86</td><td>69 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5722.89</td><td>58.82</td><td>-10.66</td><td>117.28</td><td>43.68</td><td>35.45</td><td>12.15</td><td>32.86</td><td>69 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5682.48	57.89	-11.21	68.38	42.29	35.47	12.85	32.72	69 Peak	VERTICAL	2	5678.48	56.73	-10.73	63.44	41.68	35.36	12.18	32.63	69 Peak	VERTICAL	3	5719.48	57.88	-12.91	118.79	42.94	35.45	12.15	32.86	69 Peak	VERTICAL	4	5722.89	58.82	-10.66	117.28	43.68	35.45	12.15	32.86	69 Peak	VERTICAL	Site : 03CB05-KS Condition : 5G BAND4 In 2117 00210000 VERTICAL RFW : 1000.000000 VFW : 3000.000000 SWT : Auto Project : #E214042 Mode : 30 Plane : Y Pull-directivity : #1 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.00</td><td>182.83</td><td>-</td><td>87.16</td><td>35.68</td><td>12.16</td><td>32.97</td><td>372</td><td>69 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5746.00</td><td>95.14</td><td>-</td><td>88.27</td><td>35.68</td><td>12.16</td><td>32.97</td><td>372</td><td>69 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5746.00	182.83	-	87.16	35.68	12.16	32.97	372	69 Peak	VERTICAL	2	5746.00	95.14	-	88.27	35.68	12.16	32.97	372	69 Average	VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																					
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2	5678.48	56.73	-10.73	63.44	41.68	35.36	12.18	32.63	69 Peak	VERTICAL																																																																																																						
3	5719.48	57.88	-12.91	118.79	42.94	35.45	12.15	32.86	69 Peak	VERTICAL																																																																																																						
4	5722.89	58.82	-10.66	117.28	43.68	35.45	12.15	32.86	69 Peak	VERTICAL																																																																																																						
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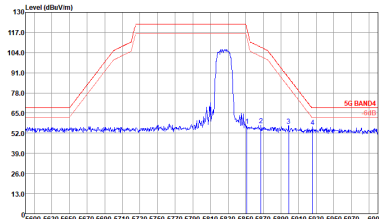
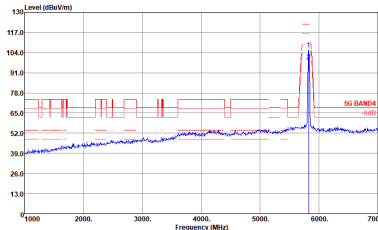


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																													
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Peak	 Site : 030805-KS Condition : 57 BAND 3a 3117 00018000 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Plane : Y Polarization : Full-directivity IMEI : #1 Power setting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5624.40</td><td>57.00</td><td>-11.30</td><td>68.30</td><td>42.00</td><td>35.48</td><td>12.40</td><td>32.62</td><td>383</td><td>71 Peak VERTICAL</td></tr><tr><td>2</td><td>5671.60</td><td>56.35</td><td>-17.70</td><td>68.32</td><td>41.52</td><td>35.56</td><td>12.18</td><td>32.63</td><td>383</td><td>71 Peak VERTICAL</td></tr><tr><td>3</td><td>5716.00</td><td>55.25</td><td>-54.53</td><td>109.78</td><td>40.36</td><td>35.62</td><td>12.13</td><td>32.86</td><td>383</td><td>71 Peak VERTICAL</td></tr><tr><td>4</td><td>5726.40</td><td>56.36</td><td>-35.23</td><td>111.61</td><td>41.64</td><td>35.65</td><td>12.15</td><td>32.86</td><td>383</td><td>71 Peak VERTICAL</td></tr></table>										Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5624.40	57.00	-11.30	68.30	42.00	35.48	12.40	32.62	383	71 Peak VERTICAL	2	5671.60	56.35	-17.70	68.32	41.52	35.56	12.18	32.63	383	71 Peak VERTICAL	3	5716.00	55.25	-54.53	109.78	40.36	35.62	12.13	32.86	383	71 Peak VERTICAL	4	5726.40	56.36	-35.23	111.61	41.64	35.65	12.15	32.86	383	71 Peak VERTICAL	 Site : 030805-KS Condition : 57 BAND 3a 3117 00018000 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Plane : Y Polarization : Full-directivity IMEI : #1 Power setting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5788.00</td><td>182.13</td><td></td><td>87.23</td><td>35.78</td><td>12.21</td><td>33.89</td><td>383</td><td>71 Peak VERTICAL</td></tr><tr><td>2</td><td>5788.00</td><td>94.89</td><td></td><td>79.30</td><td>35.78</td><td>12.21</td><td>33.89</td><td>383</td><td>71 Average VERTICAL</td></tr></table>										Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5788.00	182.13		87.23	35.78	12.21	33.89	383	71 Peak VERTICAL	2	5788.00	94.89		79.30	35.78	12.21	33.89	383	71 Average VERTICAL
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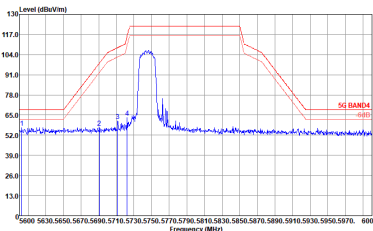
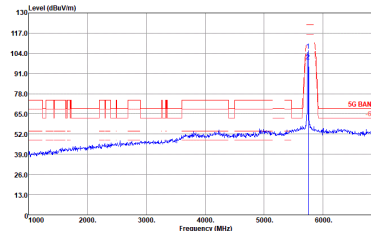
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Peak	 Site : 03CBP-E5 Condition : SG BAND, No. 2117 000180C2 HORIZONTAL RFW: 1000.000000 VSW: 3000.000000 SWT: Auto Project : 48214042 Mode : 32 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5851.28</td><td>56.84</td><td>-82.72</td><td>139.56</td><td>42.15</td><td>35.87</td><td>12.25</td><td>33.43</td><td>180</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5857.38</td><td>57.16</td><td>-80.33</td><td>187.48</td><td>42.43</td><td>35.90</td><td>12.26</td><td>33.43</td><td>180</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5866.88</td><td>56.77</td><td>-80.88</td><td>87.65</td><td>42.14</td><td>35.88</td><td>12.29</td><td>33.54</td><td>180</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5925.09</td><td>56.11</td><td>-12.19</td><td>66.30</td><td>41.52</td><td>35.87</td><td>12.32</td><td>33.08</td><td>180</td><td>118 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	5851.28	56.84	-82.72	139.56	42.15	35.87	12.25	33.43	180	118 Peak	HORIZONTAL	2	5857.38	57.16	-80.33	187.48	42.43	35.90	12.26	33.43	180	118 Peak	HORIZONTAL	3	5866.88	56.77	-80.88	87.65	42.14	35.88	12.29	33.54	180	118 Peak	HORIZONTAL	4	5925.09	56.11	-12.19	66.30	41.52	35.87	12.32	33.08	180	118 Peak	HORIZONTAL	 Site : 03CBP-E5 Condition : SG BAND, No. 2117 000180C2 HORIZONTAL RFW: 1000.000000 VSW: 3000.000000 SWT: Auto Project : 48214042 Mode : 32 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5824.88</td><td>186.88</td><td></td><td>91.52</td><td>35.84</td><td>12.24</td><td>33.32</td><td>180</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5824.88</td><td>95.34</td><td></td><td>63.58</td><td>35.84</td><td>12.24</td><td>33.32</td><td>180</td><td>118 Average</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg		1	5824.88	186.88		91.52	35.84	12.24	33.32	180	118 Peak	HORIZONTAL	2	5824.88	95.34		63.58	35.84	12.24	33.32	180	118 Average	HORIZONTAL
	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																						
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg																																																																																																								
1	5851.28	56.84	-82.72	139.56	42.15	35.87	12.25	33.43	180	118 Peak	HORIZONTAL																																																																																																					
2	5857.38	57.16	-80.33	187.48	42.43	35.90	12.26	33.43	180	118 Peak	HORIZONTAL																																																																																																					
3	5866.88	56.77	-80.88	87.65	42.14	35.88	12.29	33.54	180	118 Peak	HORIZONTAL																																																																																																					
4	5925.09	56.11	-12.19	66.30	41.52	35.87	12.32	33.08	180	118 Peak	HORIZONTAL																																																																																																					
Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																							
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg																																																																																																								
1	5824.88	186.88		91.52	35.84	12.24	33.32	180	118 Peak	HORIZONTAL																																																																																																						
2	5824.88	95.34		63.58	35.84	12.24	33.32	180	118 Average	HORIZONTAL																																																																																																						



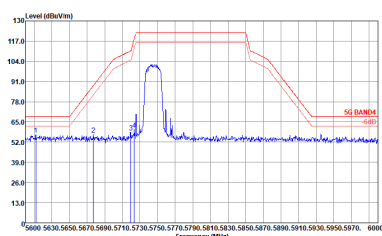
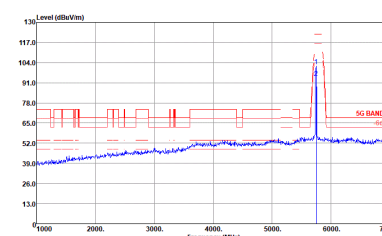
WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11a CH165 5825MHz																																																																																																															
1	Vertical	Fundamental																																																																																																														
Peak	Site : 03CB05-KS Condition : SG BAND4 In 2117 00210000Z VERTICAL RFW 1000.000000Z VFW 3000.000000Z SWT Auto Project : 48214042 Mode : 32 Plane : Y Full-directivity : #1 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5821.00</td><td>56.24</td><td>-61.50</td><td>117.74</td><td>41.55</td><td>35.87</td><td>12.25</td><td>33.43</td><td>378</td><td>69 Peak VERTICAL</td></tr><tr><td>2</td><td>5825.30</td><td>56.84</td><td>-62.00</td><td>180.04</td><td>41.51</td><td>35.90</td><td>12.26</td><td>33.43</td><td>378</td><td>69 Peak VERTICAL</td></tr><tr><td>3</td><td>5907.00</td><td>57.04</td><td>-64.10</td><td>81.14</td><td>42.39</td><td>35.88</td><td>12.33</td><td>33.54</td><td>378</td><td>69 Peak VERTICAL</td></tr><tr><td>4</td><td>5952.00</td><td>55.43</td><td>-62.67</td><td>60.30</td><td>40.89</td><td>35.96</td><td>12.34</td><td>33.66</td><td>378</td><td>69 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5821.00	56.24	-61.50	117.74	41.55	35.87	12.25	33.43	378	69 Peak VERTICAL	2	5825.30	56.84	-62.00	180.04	41.51	35.90	12.26	33.43	378	69 Peak VERTICAL	3	5907.00	57.04	-64.10	81.14	42.39	35.88	12.33	33.54	378	69 Peak VERTICAL	4	5952.00	55.43	-62.67	60.30	40.89	35.96	12.34	33.66	378	69 Peak VERTICAL	Site : 03CB05-KS Condition : SG BAND4 In 2117 00210000Z VERTICAL RFW 1000.000000Z VFW 3000.000000Z SWT Auto Project : 48214042 Mode : 32 Plane : Y Full-directivity : #1 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5824.00</td><td>181.65</td><td>86.89</td><td>35.84</td><td>12.24</td><td>33.32</td><td>378</td><td>69 Peak VERTICAL</td><td></td><td></td></tr><tr><td>2</td><td>5824.00</td><td>94.31</td><td>79.55</td><td>35.84</td><td>12.24</td><td>33.32</td><td>378</td><td>69 Average VERTICAL</td><td></td><td></td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5824.00	181.65	86.89	35.84	12.24	33.32	378	69 Peak VERTICAL			2	5824.00	94.31	79.55	35.84	12.24	33.32	378	69 Average VERTICAL		
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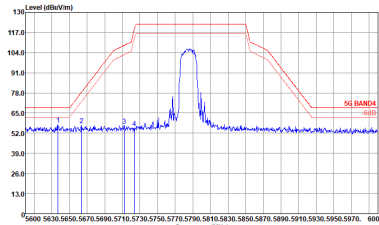
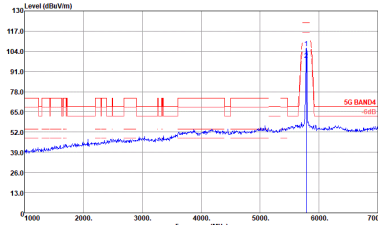
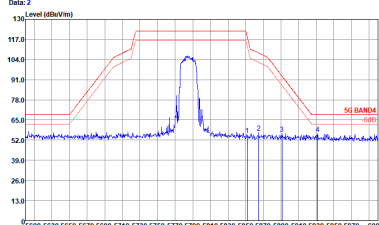
UNII-3 5725~5850MHz---ANT 1
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11n HT20 CH149 5745MHz																																																																																																															
1	Horizontal	Fundamental																																																																																																														
Peak	 Site Condition : 023005-05 SS BAND4 3m 3117 00218050 HORIZONTAL Project : RRP 1000.000MHz YWP 3000.000MHz SPT Auto Model : 40214042 Mode : 33 Plane : X Pull-directivity : IMEI : Powersetting : 15 <table><tr><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5682.88</td><td>57.83</td><td>-11.27</td><td>66.56</td><td>42.23</td><td>35.47</td><td>12.85</td><td>32.72</td><td>186</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5698.88</td><td>56.97</td><td>-41.55</td><td>98.52</td><td>42.81</td><td>35.99</td><td>12.12</td><td>32.75</td><td>186</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5715.68</td><td>63.13</td><td>-47.46</td><td>180.59</td><td>46.11</td><td>35.63</td><td>12.13</td><td>32.75</td><td>186</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5722.48</td><td>63.29</td><td>-53.88</td><td>116.37</td><td>48.35</td><td>35.65</td><td>12.15</td><td>32.86</td><td>186</td><td>118 Peak</td><td>HORIZONTAL</td></tr></table>	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor			MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	1	5682.88	57.83	-11.27	66.56	42.23	35.47	12.85	32.72	186	118 Peak	HORIZONTAL	2	5698.88	56.97	-41.55	98.52	42.81	35.99	12.12	32.75	186	118 Peak	HORIZONTAL	3	5715.68	63.13	-47.46	180.59	46.11	35.63	12.13	32.75	186	118 Peak	HORIZONTAL	4	5722.48	63.29	-53.88	116.37	48.35	35.65	12.15	32.86	186	118 Peak	HORIZONTAL	 Site Condition : 023005-05 SS BAND4 3m 3117 00218050 HORIZONTAL Project : RRP 1000.000MHz YWP 3000.000MHz SPT Auto Model : 40214042 Mode : 33 Plane : X Pull-directivity : IMEI : Powersetting : 15 <table><tr><th>Over Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th></tr><tr><td>1</td><td>5746.88</td><td>185.77</td><td>90.98</td><td>35.68</td><td>12.16</td><td>32.97</td><td>106</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5746.88</td><td>98.84</td><td>83.97</td><td>35.68</td><td>12.16</td><td>32.97</td><td>106</td><td>118 Average</td><td>HORIZONTAL</td></tr></table>	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor			MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	1	5746.88	185.77	90.98	35.68	12.16	32.97	106	118 Peak	HORIZONTAL	2	5746.88	98.84	83.97	35.68	12.16	32.97	106	118 Average	HORIZONTAL
	Over Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																									
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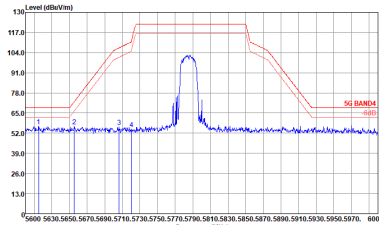
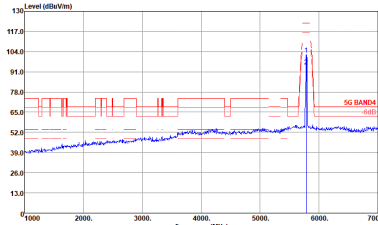
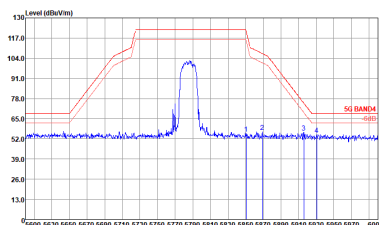


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11n HT20 CH149 5745MHz																																																																																																															
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Peak	 Site : 03305-ES Condition : SG BANCA In 2117 0021000Z VERTICAL Project : RSW 1000.0000Z YEW 3000.0000Z SPT Auto Node : REC14042 Plane : 3 Pline : 8 Full-directivity : 41 IMEI : Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5622.00</td><td>56.71</td><td>-11.59</td><td>68.30</td><td>41.81</td><td>35.47</td><td>12.85</td><td>32.62</td><td>352</td><td>69 Peak VERTICAL</td></tr><tr><td>2</td><td>5677.20</td><td>56.50</td><td>-11.51</td><td>68.01</td><td>41.83</td><td>35.56</td><td>12.88</td><td>32.63</td><td>352</td><td>69 Peak VERTICAL</td></tr><tr><td>3</td><td>5719.60</td><td>58.46</td><td>-12.33</td><td>70.79</td><td>43.52</td><td>35.65</td><td>12.15</td><td>32.86</td><td>352</td><td>69 Peak VERTICAL</td></tr><tr><td>4</td><td>5725.00</td><td>60.83</td><td>-10.80</td><td>71.63</td><td>45.89</td><td>35.65</td><td>12.15</td><td>32.86</td><td>352</td><td>69 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5622.00	56.71	-11.59	68.30	41.81	35.47	12.85	32.62	352	69 Peak VERTICAL	2	5677.20	56.50	-11.51	68.01	41.83	35.56	12.88	32.63	352	69 Peak VERTICAL	3	5719.60	58.46	-12.33	70.79	43.52	35.65	12.15	32.86	352	69 Peak VERTICAL	4	5725.00	60.83	-10.80	71.63	45.89	35.65	12.15	32.86	352	69 Peak VERTICAL	 Site : 03305-ES Condition : SG BANCA In 2117 0021000Z VERTICAL Project : RSW 1000.0000Z YEW 3000.0000Z SPT Auto Node : REC14042 Plane : 3 Pline : 8 Full-directivity : 41 IMEI : Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5746.00</td><td>181.79</td><td>86.92</td><td>35.68</td><td>12.16</td><td>32.97</td><td>352</td><td>69 Peak VERTICAL</td><td></td><td></td></tr><tr><td>2</td><td>5746.00</td><td>94.18</td><td>79.23</td><td>35.68</td><td>12.16</td><td>32.97</td><td>352</td><td>69 Average VERTICAL</td><td></td><td></td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		1	5746.00	181.79	86.92	35.68	12.16	32.97	352	69 Peak VERTICAL			2	5746.00	94.18	79.23	35.68	12.16	32.97	352	69 Average VERTICAL		
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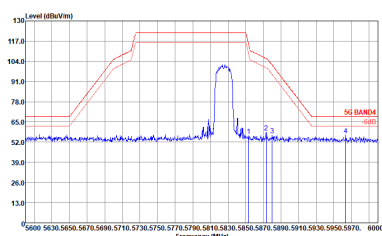
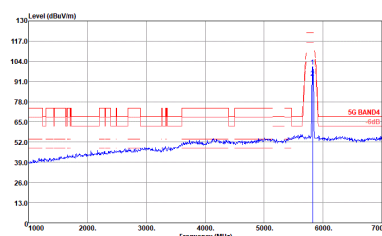


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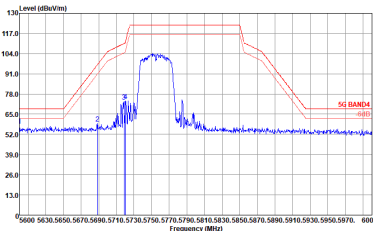
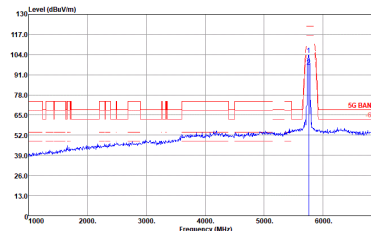
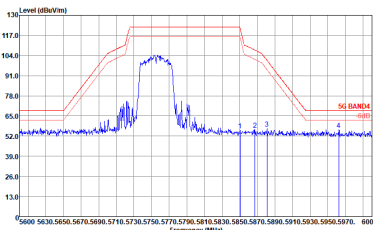
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Peak	Site : 03CBP-E5 Condition : 5G BAND n 217 000180S HORIZONTAL RFW:1000.0000S VSW:3000.0000S SWT:Auto Project : 48214042 Mode : 35 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5851.28</td><td>58.82</td><td>-68.74</td><td>119.56</td><td>44.13</td><td>35.87</td><td>12.25</td><td>33.43</td><td>180</td><td>120 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5857.68</td><td>56.59</td><td>-68.35</td><td>187.37</td><td>42.35</td><td>35.90</td><td>12.26</td><td>33.43</td><td>180</td><td>120 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5862.88</td><td>57.87</td><td>-35.61</td><td>92.68</td><td>42.39</td><td>35.88</td><td>12.29</td><td>33.49</td><td>180</td><td>120 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5951.69</td><td>56.83</td><td>-11.67</td><td>66.39</td><td>42.89</td><td>35.86</td><td>12.34</td><td>33.66</td><td>180</td><td>120 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5851.28	58.82	-68.74	119.56	44.13	35.87	12.25	33.43	180	120 Peak	HORIZONTAL	2	5857.68	56.59	-68.35	187.37	42.35	35.90	12.26	33.43	180	120 Peak	HORIZONTAL	3	5862.88	57.87	-35.61	92.68	42.39	35.88	12.29	33.49	180	120 Peak	HORIZONTAL	4	5951.69	56.83	-11.67	66.39	42.89	35.86	12.34	33.66	180	120 Peak	HORIZONTAL	Site : 03CBP-E5 Condition : 5G BAND n 217 000180S HORIZONTAL RFW:1000.0000S VSW:3000.0000S SWT:Auto Project : 48214042 Mode : 35 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5824.88</td><td>185.66</td><td></td><td>98.98</td><td>35.84</td><td>12.24</td><td>33.32</td><td>180</td><td>120 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5824.88</td><td>97.99</td><td></td><td>63.13</td><td>35.84</td><td>12.24</td><td>33.32</td><td>180</td><td>120 Average</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5824.88	185.66		98.98	35.84	12.24	33.32	180	120 Peak	HORIZONTAL	2	5824.88	97.99		63.13	35.84	12.24	33.32	180	120 Average	HORIZONTAL
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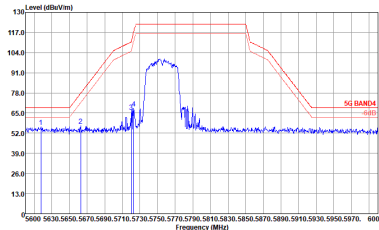
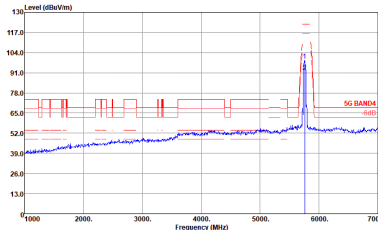
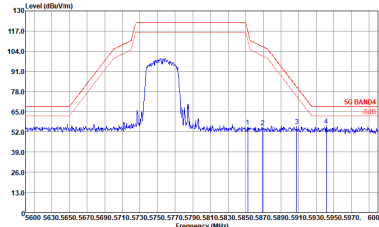
WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
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Peak	 Site : 037005-KS Condition : 5G BAND4 In 2117 00010000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SWT Auto Model : HPS14042 Plane : Y Polar : Full-directivity Polarization : H PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5853.20</td><td>56.18</td><td>-58.82</td><td>115.00</td><td>41.49</td><td>35.87</td><td>12.25</td><td>33.43</td><td>359</td><td>64 Peak VERTICAL</td></tr><tr><td>2</td><td>5873.20</td><td>56.16</td><td>-47.64</td><td>105.00</td><td>43.48</td><td>35.89</td><td>12.28</td><td>33.49</td><td>359</td><td>64 Peak VERTICAL</td></tr><tr><td>3</td><td>5889.00</td><td>56.48</td><td>-45.11</td><td>101.59</td><td>41.88</td><td>35.89</td><td>12.28</td><td>33.49</td><td>359</td><td>64 Peak VERTICAL</td></tr><tr><td>4</td><td>5903.20</td><td>56.42</td><td>-11.88</td><td>68.30</td><td>41.88</td><td>35.85</td><td>12.35</td><td>33.66</td><td>359</td><td>64 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	dB	cm	deg			1	5853.20	56.18	-58.82	115.00	41.49	35.87	12.25	33.43	359	64 Peak VERTICAL	2	5873.20	56.16	-47.64	105.00	43.48	35.89	12.28	33.49	359	64 Peak VERTICAL	3	5889.00	56.48	-45.11	101.59	41.88	35.89	12.28	33.49	359	64 Peak VERTICAL	4	5903.20	56.42	-11.88	68.30	41.88	35.85	12.35	33.66	359	64 Peak VERTICAL	 Site : 037005-KS Condition : 5G BAND4 In 2117 00010000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SWT Auto Model : HPS14042 Plane : Y Polar : Full-directivity Polarization : H PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5824.00</td><td>100.83</td><td>86.87</td><td>35.84</td><td>12.24</td><td>33.32</td><td>359</td><td>64 Peak</td><td>VERTICAL</td><td></td></tr><tr><td>2</td><td>5824.00</td><td>93.69</td><td>78.84</td><td>35.84</td><td>12.24</td><td>33.32</td><td>359</td><td>64 Average</td><td>VERTICAL</td><td></td></tr></table>	Freq	Level	Limit	Line	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	dB	cm	deg			1	5824.00	100.83	86.87	35.84	12.24	33.32	359	64 Peak	VERTICAL		2	5824.00	93.69	78.84	35.84	12.24	33.32	359	64 Average	VERTICAL	
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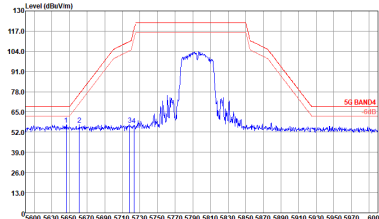
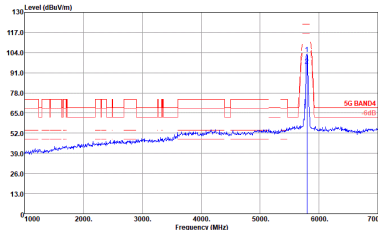
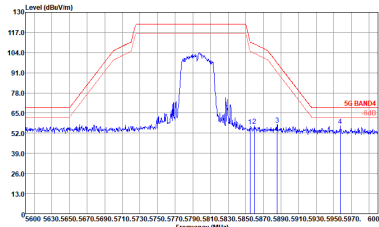
UNII-3 5725~5850MHz
WIFI 802.11ac VHT40 (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																									
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Peak	 Site : 033RD-E5 Condition : 5G BAND4 In 3117 00218052 HORIZONTAL Project : RSP 1000.000MHz YEW 3000.000MHz SPT Auto Model : AE214042 Plane : X Polarization : Pull-directivity PowerSetting : #1 PowerSetting : 15 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5680.10</td><td>57.56</td><td>-18.74</td><td>68.30</td><td>42.76</td><td>35.47</td><td>12.85</td><td>32.72</td><td>100</td><td>119 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5680.40</td><td>58.96</td><td>-17.78</td><td>96.74</td><td>44.00</td><td>35.59</td><td>12.12</td><td>32.75</td><td>100</td><td>119 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5728.00</td><td>73.18</td><td>-17.38</td><td>118.56</td><td>58.24</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>119 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5728.40</td><td>73.50</td><td>-18.31</td><td>111.81</td><td>58.56</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>119 Peak</td><td>HORIZONTAL</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dBm/100kHz	dB	cm	deg			1	5680.10	57.56	-18.74	68.30	42.76	35.47	12.85	32.72	100	119 Peak	HORIZONTAL	2	5680.40	58.96	-17.78	96.74	44.00	35.59	12.12	32.75	100	119 Peak	HORIZONTAL	3	5728.00	73.18	-17.38	118.56	58.24	35.65	12.15	32.86	100	119 Peak	HORIZONTAL	4	5728.40	73.50	-18.31	111.81	58.56	35.65	12.15	32.86	100	119 Peak	HORIZONTAL	 Site : 033RD-E5 Condition : 5G BAND4 In 3117 00218052 HORIZONTAL Project : RSP 1000.000MHz YEW 3000.000MHz SPT Auto Model : AE214042 Plane : X Polarization : Pull-directivity PowerSetting : #1 PowerSetting : 15 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5755.00</td><td>183.97</td><td>89.04</td><td>35.72</td><td>12.18</td><td>32.97</td><td>100</td><td>119 Peak</td><td>HORIZONTAL</td><td></td><td></td></tr><tr><td>2</td><td>5758.00</td><td>96.23</td><td>81.30</td><td>35.72</td><td>12.18</td><td>32.97</td><td>100</td><td>119 Average</td><td>HORIZONTAL</td><td></td><td></td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dBm/100kHz	dB	cm	deg			1	5755.00	183.97	89.04	35.72	12.18	32.97	100	119 Peak	HORIZONTAL			2	5758.00	96.23	81.30	35.72	12.18	32.97	100	119 Average	HORIZONTAL		
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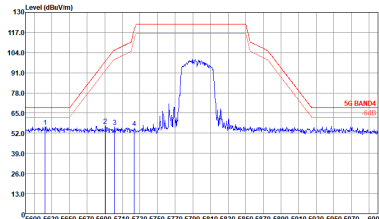
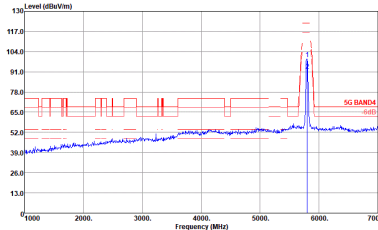
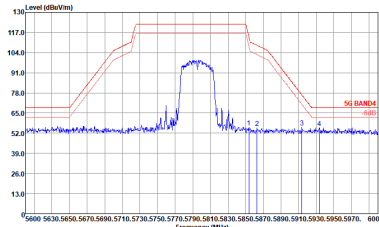


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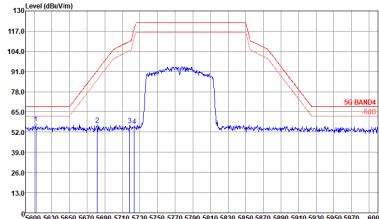
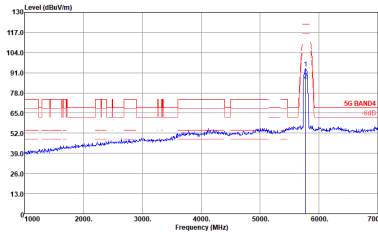
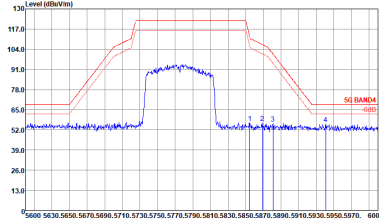
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Peak	 Site : 030805-KS Condition : 5G BAND4 on 3117 00018000 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Plane : Y Polar : Full-directivity IMEI : #1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100Hz</th><th>dB</th><th>dBm/100Hz</th><th>dBm/100Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5622.48</td><td>56.88</td><td>-12.22</td><td>68.38</td><td>41.16</td><td>35.48</td><td>12.48</td><td>32.62</td><td>383</td><td>70 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5698.68</td><td>56.79</td><td>-41.73</td><td>95.52</td><td>41.83</td><td>35.59</td><td>12.12</td><td>32.75</td><td>383</td><td>70 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5781.28</td><td>55.97</td><td>-49.67</td><td>105.64</td><td>40.97</td><td>35.82</td><td>12.13</td><td>32.75</td><td>383</td><td>70 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5723.68</td><td>55.45</td><td>-63.66</td><td>119.11</td><td>40.51</td><td>35.65</td><td>12.15</td><td>32.88</td><td>383</td><td>70 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100Hz	dB	dBm/100Hz	dBm/100Hz	dB	dB	cm	deg			1	5622.48	56.88	-12.22	68.38	41.16	35.48	12.48	32.62	383	70 Peak	VERTICAL	2	5698.68	56.79	-41.73	95.52	41.83	35.59	12.12	32.75	383	70 Peak	VERTICAL	3	5781.28	55.97	-49.67	105.64	40.97	35.82	12.13	32.75	383	70 Peak	VERTICAL	4	5723.68	55.45	-63.66	119.11	40.51	35.65	12.15	32.88	383	70 Peak	VERTICAL	 Site : 030805-KS Condition : 5G BAND4 on 3117 00018000 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Plane : Y Polar : Full-directivity IMEI : #1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100Hz</th><th>dB</th><th>dBm/100Hz</th><th>dBm/100Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5800.00</td><td>99.27</td><td></td><td>84.48</td><td>35.78</td><td>12.21</td><td>33.28</td><td>383</td><td>70 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5800.00</td><td>91.55</td><td></td><td>76.76</td><td>35.78</td><td>12.21</td><td>33.28</td><td>383</td><td>70 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100Hz	dB	dBm/100Hz	dBm/100Hz	dB	dB	cm	deg			1	5800.00	99.27		84.48	35.78	12.21	33.28	383	70 Peak	VERTICAL	2	5800.00	91.55		76.76	35.78	12.21	33.28	383	70 Average	VERTICAL
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UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI		UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																								
ANT		802.11ac VHT80 CH155 5775MHz																																																																																																																								
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Peak	Site: 03705-ES Condition: 5G BAND4 In 3117 00210652 HORIZONTAL Project: RSM 1000.000MHz YWP 3000.000MHz SPT Auto Model: #E214042 Plane: X Polarization: Pull-directivity IMEI: #1 PowerSetting: 13 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5630.00</td><td>58.05</td><td>18.25</td><td>68.30</td><td>42.99</td><td>35.50</td><td>12.88</td><td>32.52</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5684.00</td><td>68.24</td><td>33.45</td><td>94.69</td><td>45.16</td><td>35.99</td><td>12.12</td><td>32.63</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5702.40</td><td>60.30</td><td>40.47</td><td>100.77</td><td>45.30</td><td>35.62</td><td>12.13</td><td>32.75</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5720.40</td><td>61.74</td><td>30.87</td><td>111.61</td><td>46.88</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5630.00	58.05	18.25	68.30	42.99	35.50	12.88	32.52	100	118 Peak	HORIZONTAL	2	5684.00	68.24	33.45	94.69	45.16	35.99	12.12	32.63	100	118 Peak	HORIZONTAL	3	5702.40	60.30	40.47	100.77	45.30	35.62	12.13	32.75	100	118 Peak	HORIZONTAL	4	5720.40	61.74	30.87	111.61	46.88	35.65	12.15	32.86	100	118 Peak	HORIZONTAL	Site: 03705-ES Condition: 5G BAND4 In 3117 00210652 HORIZONTAL Project: RSM 1000.000MHz YWP 3000.000MHz SPT Auto Model: #E214042 Plane: X Polarization: Pull-directivity IMEI: #1 PowerSetting: 13 <table><tr><th>Peak</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5764.00</td><td>98.78</td><td>83.85</td><td>35.72</td><td>12.18</td><td>32.97</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td><td></td><td></td></tr><tr><td>2</td><td>5764.00</td><td>91.25</td><td>76.32</td><td>35.72</td><td>12.18</td><td>32.97</td><td>100</td><td>118 Average</td><td>HORIZONTAL</td><td></td><td></td></tr></table>	Peak	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5764.00	98.78	83.85	35.72	12.18	32.97	100	118 Peak	HORIZONTAL			2	5764.00	91.25	76.32	35.72	12.18	32.97	100	118 Average	HORIZONTAL		
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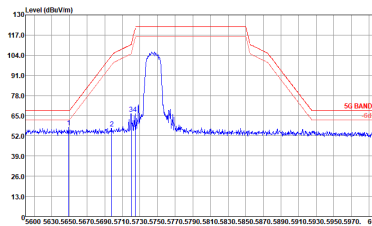
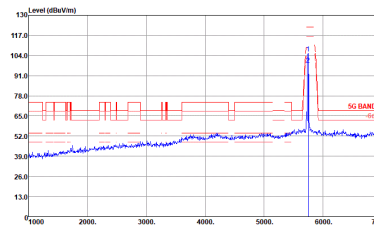


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ANT	802.11ac VHT80 CH155 5775MHz																																																																																																															
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Peak	 Site : 03C05-E5 Condition : SG BAND4 On 2117 00210052 VERTICAL Project : RSW 1000.000000 VSW 3000.000000 SPT Auto Model : H214042 Mode : 38 Plane : 0 Full-directivity : 0 IMEI : 01 Powersetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5612.00</td><td>57.49</td><td>-18.81</td><td>68.30</td><td>42.59</td><td>35.47</td><td>12.05</td><td>32.62</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5681.00</td><td>56.72</td><td>-19.80</td><td>61.72</td><td>41.69</td><td>35.56</td><td>12.10</td><td>32.63</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5718.00</td><td>56.65</td><td>-19.88</td><td>118.45</td><td>41.71</td><td>35.65</td><td>12.15</td><td>32.86</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5723.00</td><td>56.88</td><td>-15.11</td><td>119.11</td><td>41.86</td><td>35.65</td><td>12.15</td><td>32.86</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5612.00	57.49	-18.81	68.30	42.59	35.47	12.05	32.62	368	65 Peak	VERTICAL	2	5681.00	56.72	-19.80	61.72	41.69	35.56	12.10	32.63	368	65 Peak	VERTICAL	3	5718.00	56.65	-19.88	118.45	41.71	35.65	12.15	32.86	368	65 Peak	VERTICAL	4	5723.00	56.88	-15.11	119.11	41.86	35.65	12.15	32.86	368	65 Peak	VERTICAL	 Site : 03C05-E5 Condition : SG BAND4 On 2117 00210052 VERTICAL Project : RSW 1000.000000 VSW 3000.000000 SPT Auto Model : H214042 Mode : 38 Plane : 0 Full-directivity : 0 IMEI : 01 Powersetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5775.00</td><td>93.69</td><td></td><td>78.84</td><td>35.75</td><td>12.19</td><td>33.89</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5775.00</td><td>85.81</td><td></td><td>71.16</td><td>35.75</td><td>12.19</td><td>33.89</td><td>368</td><td>65 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5775.00	93.69		78.84	35.75	12.19	33.89	368	65 Peak	VERTICAL	2	5775.00	85.81		71.16	35.75	12.19	33.89	368	65 Average	VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																						
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2	5681.00	56.72	-19.80	61.72	41.69	35.56	12.10	32.63	368	65 Peak	VERTICAL																																																																																																					
3	5718.00	56.65	-19.88	118.45	41.71	35.65	12.15	32.86	368	65 Peak	VERTICAL																																																																																																					
4	5723.00	56.88	-15.11	119.11	41.86	35.65	12.15	32.86	368	65 Peak	VERTICAL																																																																																																					
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Peak	 Site : 03C05-E5 Condition : SG BAND4 On 2117 00210052 VERTICAL Project : RSW 1000.000000 VSW 3000.000000 SPT Auto Model : H214042 Mode : 38 Plane : 0 Full-directivity : 0 IMEI : 01 Powersetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5854.00</td><td>56.64</td><td>-15.63</td><td>112.27</td><td>41.91</td><td>35.90</td><td>12.26</td><td>33.43</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5868.00</td><td>56.41</td><td>-18.62</td><td>107.03</td><td>41.68</td><td>35.90</td><td>12.26</td><td>33.43</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5880.00</td><td>56.13</td><td>-14.45</td><td>108.99</td><td>41.45</td><td>35.89</td><td>12.28</td><td>33.40</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5940.00</td><td>55.79</td><td>-12.51</td><td>68.30</td><td>41.19</td><td>35.86</td><td>12.34</td><td>33.60</td><td>368</td><td>65 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5854.00	56.64	-15.63	112.27	41.91	35.90	12.26	33.43	368	65 Peak	VERTICAL	2	5868.00	56.41	-18.62	107.03	41.68	35.90	12.26	33.43	368	65 Peak	VERTICAL	3	5880.00	56.13	-14.45	108.99	41.45	35.89	12.28	33.40	368	65 Peak	VERTICAL	4	5940.00	55.79	-12.51	68.30	41.19	35.86	12.34	33.60	368	65 Peak	VERTICAL	Left blank																																										
Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																							
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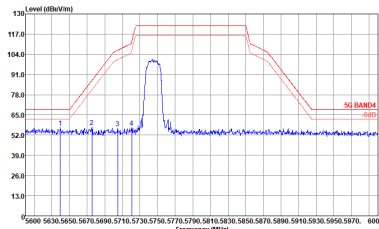
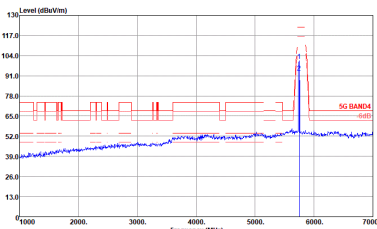


UNII-3- 5725~5850MHz---ANT 2

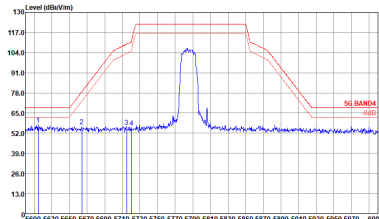
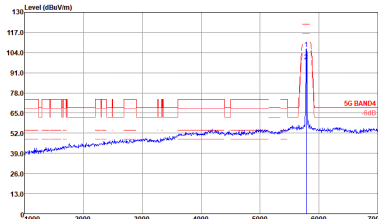
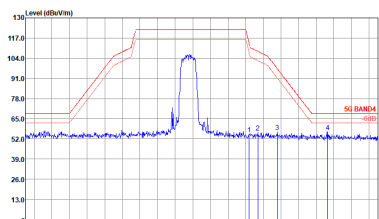
WIFI 802.11a (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																											
ANT	802.11a CH149 5745MHz																																																																																																											
2	Horizontal	Fundamental																																																																																																										
Peak	 Site : 03C805-KS Condition : 5G BAND4 In 3117 00218852 BURST10TAL SFW 1000.000000 VPM 3000.000000 SFT Auto Project : RE114042 Refa : 72 Plane : X Pull-directivity : 8 IMEI : 41 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5649.28</td><td>57.62</td><td>-18.68</td><td>68.38</td><td>42.56</td><td>35.58</td><td>12.88</td><td>32.52</td><td>111</td><td>132 Peak HORIZONTAL</td></tr><tr><td>2</td><td>5696.80</td><td>56.96</td><td>-46.87</td><td>143.03</td><td>42.60</td><td>35.59</td><td>12.12</td><td>32.75</td><td>111</td><td>132 Peak HORIZONTAL</td></tr><tr><td>3</td><td>5728.80</td><td>66.22</td><td>-44.68</td><td>118.90</td><td>51.28</td><td>35.65</td><td>12.15</td><td>32.86</td><td>111</td><td>132 Peak HORIZONTAL</td></tr><tr><td>4</td><td>5724.48</td><td>66.40</td><td>-54.53</td><td>129.93</td><td>51.46</td><td>35.65</td><td>12.15</td><td>32.86</td><td>111</td><td>132 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5649.28	57.62	-18.68	68.38	42.56	35.58	12.88	32.52	111	132 Peak HORIZONTAL	2	5696.80	56.96	-46.87	143.03	42.60	35.59	12.12	32.75	111	132 Peak HORIZONTAL	3	5728.80	66.22	-44.68	118.90	51.28	35.65	12.15	32.86	111	132 Peak HORIZONTAL	4	5724.48	66.40	-54.53	129.93	51.46	35.65	12.15	32.86	111	132 Peak HORIZONTAL	 Site : 03C805-KS Condition : 5G BAND4 In 3117 00218852 BURST10TAL SFW 1000.000000 VPM 3000.000000 SFT Auto Project : RE114042 Refa : 72 Plane : X Pull-directivity : 8 IMEI : 41 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.80</td><td>185.49</td><td>98.62</td><td>35.68</td><td>12.16</td><td>32.97</td><td>111</td><td>132 Peak HORIZONTAL</td></tr><tr><td>2</td><td>5746.80</td><td>97.99</td><td>83.12</td><td>35.68</td><td>12.16</td><td>32.97</td><td>111</td><td>132 Average HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5746.80	185.49	98.62	35.68	12.16	32.97	111	132 Peak HORIZONTAL	2	5746.80	97.99	83.12	35.68	12.16	32.97	111	132 Average HORIZONTAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																	
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg																																																																																																				
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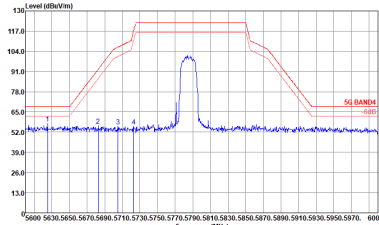
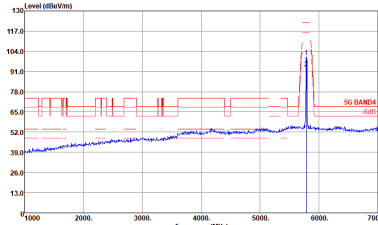
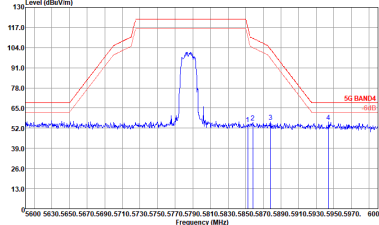


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11a CH149 5745MHz																																																																																																															
2	Vertical	Fundamental																																																																																																														
Peak	 Site : 033005-ES Condition : 5745 MHz 2117 00210000 VERTICAL Project : RSW 1000.000000 VSW 3000.000000 SWT Auto Model : 4042 Polar : V Plane : X Full-directivity : 41 Power : 15 Power setting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5639.68</td><td>56.98</td><td>-11.48</td><td>68.38</td><td>41.64</td><td>35.58</td><td>12.48</td><td>32.52</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5679.68</td><td>57.58</td><td>-10.12</td><td>67.78</td><td>42.13</td><td>35.56</td><td>12.18</td><td>32.63</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5744.88</td><td>56.58</td><td>-10.67</td><td>106.65</td><td>41.58</td><td>35.62</td><td>12.13</td><td>32.75</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5726.88</td><td>56.99</td><td>-11.72</td><td>112.72</td><td>42.09</td><td>35.65</td><td>12.15</td><td>32.86</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1	5639.68	56.98	-11.48	68.38	41.64	35.58	12.48	32.52	0 Peak	VERTICAL	2	5679.68	57.58	-10.12	67.78	42.13	35.56	12.18	32.63	0 Peak	VERTICAL	3	5744.88	56.58	-10.67	106.65	41.58	35.62	12.13	32.75	0 Peak	VERTICAL	4	5726.88	56.99	-11.72	112.72	42.09	35.65	12.15	32.86	0 Peak	VERTICAL	 Site : 033005-ES Condition : 5745 MHz 2117 00210000 VERTICAL Project : RSW 1000.000000 VSW 3000.000000 SWT Auto Model : 4042 Polar : V Plane : X Full-directivity : 41 Power : 15 Power setting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.88</td><td>100.68</td><td></td><td>85.73</td><td>35.68</td><td>12.16</td><td>32.97</td><td>298</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5746.88</td><td>92.98</td><td></td><td>78.83</td><td>35.68</td><td>12.16</td><td>32.97</td><td>298</td><td>0 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1	5746.88	100.68		85.73	35.68	12.16	32.97	298	0 Peak	VERTICAL	2	5746.88	92.98		78.83	35.68	12.16	32.97	298	0 Average	VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																					
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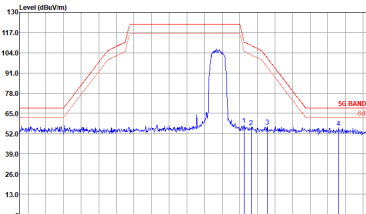
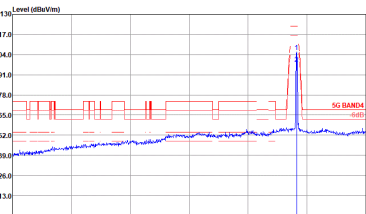


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
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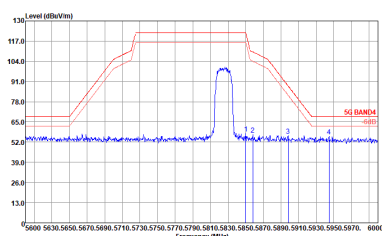
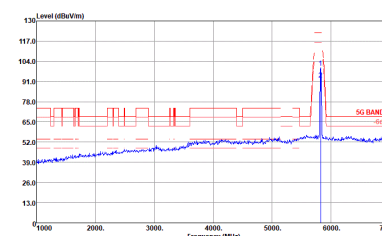


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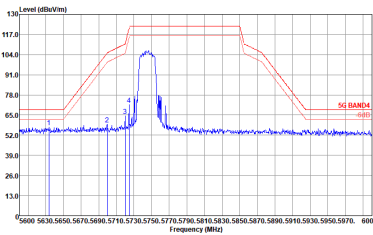
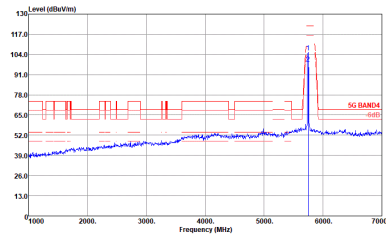
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Peak	 Site : 030905-KS Condition : SG BAND4 On 2117 00218642 HORIZONT Project : RRM-1000.000KHz VSW-3000.000KHz SMT-Auto Mode : WET-4042 Plane : 74 Plane : 74 Full-directivity Power setting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>deg</td><td></td></tr><tr><td>1</td><td>5854.80</td><td>57.72</td><td>53.44</td><td>111.36</td><td>42.99</td><td>35.90</td><td>120</td><td>120 Peak</td><td>HORIZONT</td></tr><tr><td>2</td><td>5863.20</td><td>56.19</td><td>52.41</td><td>108.60</td><td>41.46</td><td>35.90</td><td>120</td><td>120 Peak</td><td>HORIZONT</td></tr><tr><td>3</td><td>5881.60</td><td>56.38</td><td>54.62</td><td>100.40</td><td>41.70</td><td>35.89</td><td>120</td><td>120 Peak</td><td>HORIZONT</td></tr><tr><td>4</td><td>5962.00</td><td>55.67</td><td>52.63</td><td>68.30</td><td>41.13</td><td>35.85</td><td>120</td><td>120 Peak</td><td>HORIZONT</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg		1	5854.80	57.72	53.44	111.36	42.99	35.90	120	120 Peak	HORIZONT	2	5863.20	56.19	52.41	108.60	41.46	35.90	120	120 Peak	HORIZONT	3	5881.60	56.38	54.62	100.40	41.70	35.89	120	120 Peak	HORIZONT	4	5962.00	55.67	52.63	68.30	41.13	35.85	120	120 Peak	HORIZONT	 Site : 030905-KS Condition : SG BAND4 On 2117 00218642 HORIZONT Project : RRM-1000.000KHz VSW-3000.000KHz SMT-Auto Mode : WET-4042 Plane : 74 Plane : 74 Full-directivity Power setting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><td>MHz</td><td>dBuV/m</td><td>dB</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>deg</td><td></td></tr><tr><td>1</td><td>5824.80</td><td>149.85</td><td>91.89</td><td>35.84</td><td>12.24</td><td>33.32</td><td>100</td><td>120 Peak</td><td>HORIZONT</td></tr><tr><td>2</td><td>5824.80</td><td>95.89</td><td>63.33</td><td>35.84</td><td>12.24</td><td>33.32</td><td>100</td><td>120 Average</td><td>HORIZONT</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg		1	5824.80	149.85	91.89	35.84	12.24	33.32	100	120 Peak	HORIZONT	2	5824.80	95.89	63.33	35.84	12.24	33.32	100	120 Average	HORIZONT
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2	5863.20	56.19	52.41	108.60	41.46	35.90	120	120 Peak	HORIZONT																																																																																																					
3	5881.60	56.38	54.62	100.40	41.70	35.89	120	120 Peak	HORIZONT																																																																																																					
4	5962.00	55.67	52.63	68.30	41.13	35.85	120	120 Peak	HORIZONT																																																																																																					
Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																							
Freq	Level	Line	Level Factor	Loss Factor																																																																																																										
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	deg																																																																																																								
1	5824.80	149.85	91.89	35.84	12.24	33.32	100	120 Peak	HORIZONT																																																																																																					
2	5824.80	95.89	63.33	35.84	12.24	33.32	100	120 Average	HORIZONT																																																																																																					



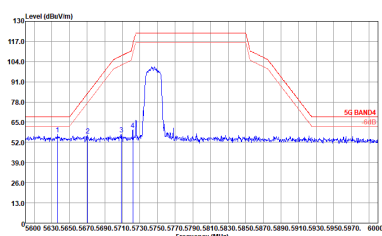
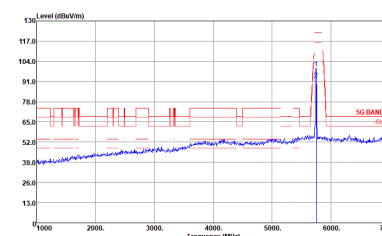
WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																	
ANT	802.11a CH165 5825MHz																																																																																																	
2	Vertical	Fundamental																																																																																																
Peak	 Site : 037005-KS Condition : 5825 MHz @ 3m 0010000 VERTICAL Project : RSW 1000.000MHz YEW 3000.000MHz SWT Auto Mode : 74 Plane : Y Full-directivity : 0 IMEI : 01 Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>5800.00</td><td>57.57</td><td>-64.73</td><td>122.30</td><td>42.88</td><td>35.87</td><td>12.25</td><td>33.43</td><td>100</td><td>323 Peak VERTICAL</td></tr><tr><td>5825.00</td><td>56.57</td><td>-65.73</td><td>120.00</td><td>42.14</td><td>35.90</td><td>12.28</td><td>33.43</td><td>100</td><td>323 Peak VERTICAL</td></tr><tr><td>5850.00</td><td>56.29</td><td>-66.95</td><td>118.24</td><td>41.66</td><td>35.88</td><td>12.29</td><td>33.54</td><td>100</td><td>323 Peak VERTICAL</td></tr><tr><td>5944.40</td><td>55.75</td><td>-67.57</td><td>116.30</td><td>41.13</td><td>35.86</td><td>12.34</td><td>33.08</td><td>100</td><td>323 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	cm	deg			5800.00	57.57	-64.73	122.30	42.88	35.87	12.25	33.43	100	323 Peak VERTICAL	5825.00	56.57	-65.73	120.00	42.14	35.90	12.28	33.43	100	323 Peak VERTICAL	5850.00	56.29	-66.95	118.24	41.66	35.88	12.29	33.54	100	323 Peak VERTICAL	5944.40	55.75	-67.57	116.30	41.13	35.86	12.34	33.08	100	323 Peak VERTICAL	 Site : 037005-KS Condition : 5825 MHz @ 3m 0010000 VERTICAL Project : RSW 1000.000MHz YEW 3000.000MHz SWT Auto Mode : 74 Plane : Y Full-directivity : 0 IMEI : 01 Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>5824.00</td><td>100.06</td><td>85.30</td><td>35.84</td><td>12.24</td><td>33.32</td><td>100</td><td>323 Peak VERTICAL</td></tr><tr><td>5824.00</td><td>92.21</td><td>77.45</td><td>35.84</td><td>12.24</td><td>33.32</td><td>100</td><td>323 Average VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	cm	deg			5824.00	100.06	85.30	35.84	12.24	33.32	100	323 Peak VERTICAL	5824.00	92.21	77.45	35.84	12.24	33.32	100	323 Average VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																								
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5800.00	57.57	-64.73	122.30	42.88	35.87	12.25	33.43	100	323 Peak VERTICAL																																																																																									
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5944.40	55.75	-67.57	116.30	41.13	35.86	12.34	33.08	100	323 Peak VERTICAL																																																																																									
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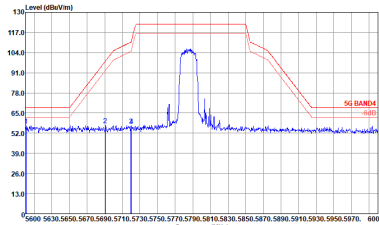
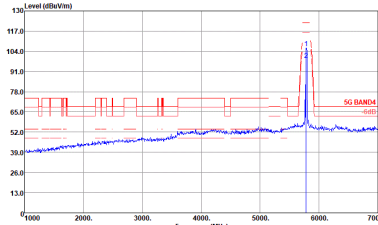
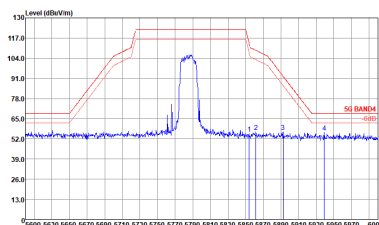
UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
ANT	802.11n HT20 CH149 5745MHz																																																																																																															
2	Horizontal	Fundamental																																																																																																														
Peak	 Site: 032805-02 Condition: 02 BAND4 No. 3117 00218652 HORIZONTAL Project: RFP 1000.000MHz YFW 3000.000MHz SWT Auto Model: #E214042 Plane: Y Polar-directivity: Full-directivity IMEI: #1 Powersetting: 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5633.68</td><td>57.13</td><td>-13.17</td><td>66.30</td><td>42.17</td><td>35.50</td><td>12.80</td><td>32.62</td><td>100</td><td>136 Peak HORIZONTAL</td></tr><tr><td>2</td><td>5699.68</td><td>58.92</td><td>-46.89</td><td>105.81</td><td>43.96</td><td>35.59</td><td>12.12</td><td>32.75</td><td>100</td><td>136 Peak HORIZONTAL</td></tr><tr><td>3</td><td>5729.90</td><td>64.50</td><td>-40.37</td><td>124.87</td><td>49.56</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>136 Peak HORIZONTAL</td></tr><tr><td>4</td><td>5724.48</td><td>71.68</td><td>-49.25</td><td>120.93</td><td>56.74</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>136 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dBm/100MHz	dB	cm	deg			1	5633.68	57.13	-13.17	66.30	42.17	35.50	12.80	32.62	100	136 Peak HORIZONTAL	2	5699.68	58.92	-46.89	105.81	43.96	35.59	12.12	32.75	100	136 Peak HORIZONTAL	3	5729.90	64.50	-40.37	124.87	49.56	35.65	12.15	32.86	100	136 Peak HORIZONTAL	4	5724.48	71.68	-49.25	120.93	56.74	35.65	12.15	32.86	100	136 Peak HORIZONTAL	 Site: 032805-02 Condition: 02 BAND4 No. 3117 00218652 HORIZONTAL Project: RFP 1000.000MHz YFW 3000.000MHz SWT Auto Model: #E214042 Plane: Y Polar-directivity: Full-directivity IMEI: #1 Powersetting: 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.00</td><td>185.45</td><td></td><td>90.58</td><td>35.68</td><td>12.16</td><td>32.97</td><td>100</td><td>136 Peak HORIZONTAL</td><td></td></tr><tr><td>2</td><td>5746.00</td><td>98.15</td><td></td><td>83.28</td><td>35.68</td><td>12.16</td><td>32.97</td><td>100</td><td>136 Average HORIZONTAL</td><td></td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dBm/100MHz	dB	cm	deg			1	5746.00	185.45		90.58	35.68	12.16	32.97	100	136 Peak HORIZONTAL		2	5746.00	98.15		83.28	35.68	12.16	32.97	100	136 Average HORIZONTAL	
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																					
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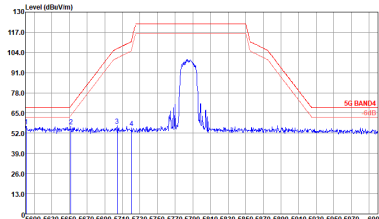
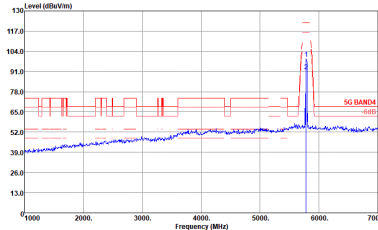
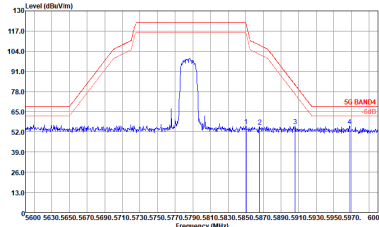


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																													
ANT	802.11n HT20 CH149 5745MHz																																																																																																													
2	Vertical	Fundamental																																																																																																												
Peak	 Site : 037005-KS Condition : 5745MHz 3m 2117 00010000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SWT Auto Mode : RES14042 Plane : Y Full-directivity : #1 IMEI : Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5636.48</td><td>57.21</td><td>11.89</td><td>68.38</td><td>42.15</td><td>35.58</td><td>12.48</td><td>32.52</td><td>183</td><td>331 Peak VERTICAL</td></tr><tr><td>2</td><td>5678.88</td><td>56.55</td><td>17.18</td><td>83.73</td><td>41.52</td><td>35.56</td><td>12.18</td><td>32.63</td><td>183</td><td>331 Peak VERTICAL</td></tr><tr><td>3</td><td>5788.88</td><td>57.14</td><td>58.43</td><td>187.77</td><td>42.14</td><td>35.62</td><td>12.13</td><td>32.75</td><td>183</td><td>331 Peak VERTICAL</td></tr><tr><td>4</td><td>5722.88</td><td>59.36</td><td>35.58</td><td>115.46</td><td>49.82</td><td>35.05</td><td>12.15</td><td>32.88</td><td>183</td><td>331 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	dB	cm	deg			1	5636.48	57.21	11.89	68.38	42.15	35.58	12.48	32.52	183	331 Peak VERTICAL	2	5678.88	56.55	17.18	83.73	41.52	35.56	12.18	32.63	183	331 Peak VERTICAL	3	5788.88	57.14	58.43	187.77	42.14	35.62	12.13	32.75	183	331 Peak VERTICAL	4	5722.88	59.36	35.58	115.46	49.82	35.05	12.15	32.88	183	331 Peak VERTICAL	 Site : 037005-KS Condition : 5745MHz 3m 2117 00010000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SWT Auto Mode : RES14042 Plane : Y Full-directivity : #1 IMEI : Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dB</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5746.00</td><td>99.74</td><td></td><td>84.87</td><td>35.68</td><td>12.16</td><td>32.97</td><td>183</td><td>331 Peak VERTICAL</td></tr><tr><td>2</td><td>5746.00</td><td>91.52</td><td></td><td>77.65</td><td>35.68</td><td>12.16</td><td>32.97</td><td>183</td><td>331 Average VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dB	dBm/Hz	dBm/Hz	dB	dB	cm	deg			1	5746.00	99.74		84.87	35.68	12.16	32.97	183	331 Peak VERTICAL	2	5746.00	91.52		77.65	35.68	12.16	32.97	183	331 Average VERTICAL
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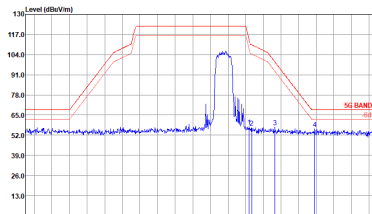
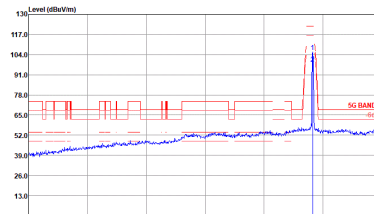


WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																																	
ANT	802.11n HT20 CH157 5785MHz																																																																																																																																	
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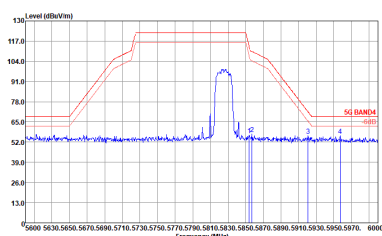
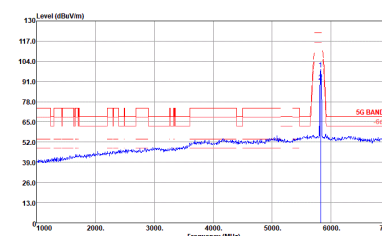


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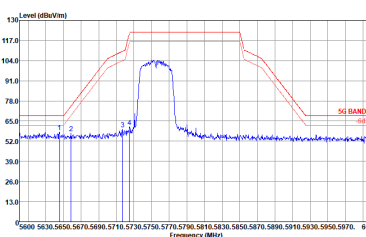
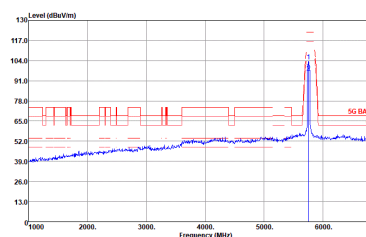
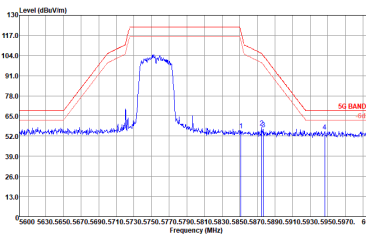
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Peak	 Site : 03CB05-RS Condition : 5G BAND4, No. 2117, 0001000000, HORIZONTAL RFW: 1000.000000, VSW: 3000.000000, SWT: Auto Project : 40214042 Mode : 77 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5854.00</td><td>57.42</td><td>55.70</td><td>115.10</td><td>42.69</td><td>35.90</td><td>12.24</td><td>33.43</td><td>100</td><td>124 Peak HORIZONTAL</td></tr><tr><td>2</td><td>5856.00</td><td>57.63</td><td>55.27</td><td>110.40</td><td>42.30</td><td>35.90</td><td>12.20</td><td>33.43</td><td>100</td><td>124 Peak HORIZONTAL</td></tr><tr><td>3</td><td>5883.20</td><td>57.30</td><td>41.91</td><td>99.21</td><td>42.62</td><td>35.89</td><td>12.20</td><td>33.49</td><td>100</td><td>124 Peak HORIZONTAL</td></tr><tr><td>4</td><td>5920.40</td><td>56.23</td><td>32.87</td><td>60.30</td><td>41.64</td><td>35.87</td><td>12.32</td><td>33.00</td><td>100</td><td>124 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg			1	5854.00	57.42	55.70	115.10	42.69	35.90	12.24	33.43	100	124 Peak HORIZONTAL	2	5856.00	57.63	55.27	110.40	42.30	35.90	12.20	33.43	100	124 Peak HORIZONTAL	3	5883.20	57.30	41.91	99.21	42.62	35.89	12.20	33.49	100	124 Peak HORIZONTAL	4	5920.40	56.23	32.87	60.30	41.64	35.87	12.32	33.00	100	124 Peak HORIZONTAL	 Site : 03CB05-RS Condition : 5G BAND4, No. 2117, 0001000000, HORIZONTAL RFW: 1000.000000, VSW: 3000.000000, SWT: Auto Project : 40214042 Mode : 77 Plane : Y Pull-directivity : 41 IMEI : Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5824.00</td><td>145.75</td><td>90.99</td><td>35.84</td><td>12.24</td><td>33.32</td><td>100</td><td>124 Peak</td><td>HORIZONTAL</td><td></td></tr><tr><td>2</td><td>5824.00</td><td>95.16</td><td>63.40</td><td>35.94</td><td>12.24</td><td>33.32</td><td>100</td><td>124 Average</td><td>HORIZONTAL</td><td></td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg			1	5824.00	145.75	90.99	35.84	12.24	33.32	100	124 Peak	HORIZONTAL		2	5824.00	95.16	63.40	35.94	12.24	33.32	100	124 Average	HORIZONTAL	
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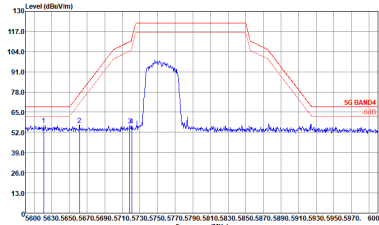
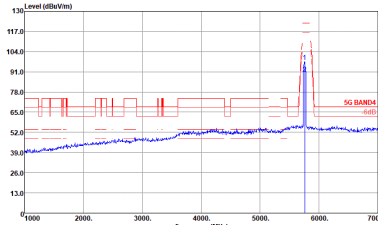
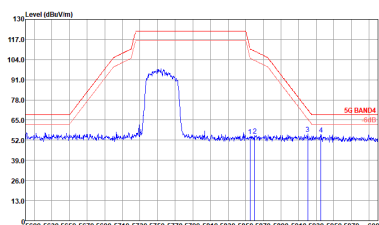
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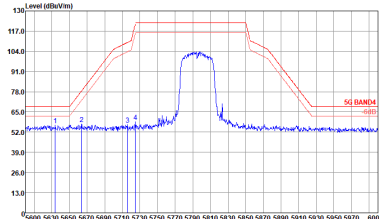
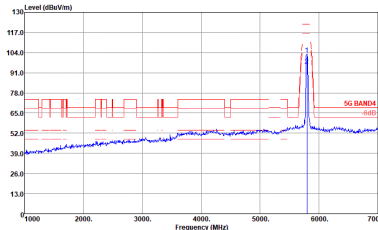
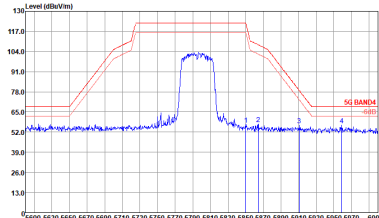
UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																															
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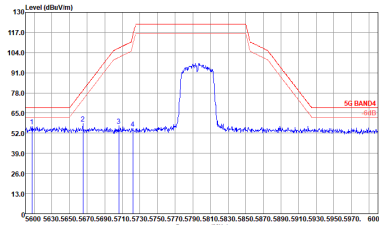
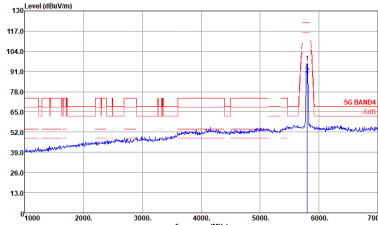
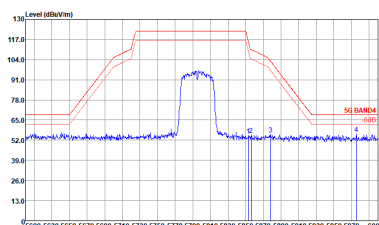


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Peak	 Site : 03705-KS Condition : 5755 MHz @ 3117 00210000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SVT Auto Model : H214042 Polar : V Plane : Full-directivity IMEI : #1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5620.00</td><td>56.82</td><td>11.40</td><td>68.30</td><td>41.90</td><td>35.40</td><td>12.00</td><td>32.62</td><td>330</td><td>360 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5651.00</td><td>56.79</td><td>10.12</td><td>75.91</td><td>41.80</td><td>35.53</td><td>12.00</td><td>32.63</td><td>330</td><td>360 Peak</td><td>VERTICAL</td></tr><tr><td>3</td><td>5718.40</td><td>56.34</td><td>54.11</td><td>110.45</td><td>41.40</td><td>35.65</td><td>12.15</td><td>32.86</td><td>330</td><td>360 Peak</td><td>VERTICAL</td></tr><tr><td>4</td><td>5726.00</td><td>56.47</td><td>56.25</td><td>112.72</td><td>41.53</td><td>35.65</td><td>12.15</td><td>32.86</td><td>330</td><td>360 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5620.00	56.82	11.40	68.30	41.90	35.40	12.00	32.62	330	360 Peak	VERTICAL	2	5651.00	56.79	10.12	75.91	41.80	35.53	12.00	32.63	330	360 Peak	VERTICAL	3	5718.40	56.34	54.11	110.45	41.40	35.65	12.15	32.86	330	360 Peak	VERTICAL	4	5726.00	56.47	56.25	112.72	41.53	35.65	12.15	32.86	330	360 Peak	VERTICAL	 Site : 03705-KS Condition : 5755 MHz @ 3117 00210000 VERTICAL Project : RSW 1000.000000 YEW 3000.000000 SVT Auto Model : H214042 Polar : V Plane : Full-directivity IMEI : #1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5758.00</td><td>97.26</td><td>82.33</td><td>35.72</td><td>12.18</td><td>32.97</td><td>330</td><td>360 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>5758.00</td><td>89.84</td><td>74.91</td><td>35.72</td><td>12.18</td><td>32.97</td><td>330</td><td>360 Average</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5758.00	97.26	82.33	35.72	12.18	32.97	330	360 Peak	VERTICAL	2	5758.00	89.84	74.91	35.72	12.18	32.97	330	360 Average	VERTICAL
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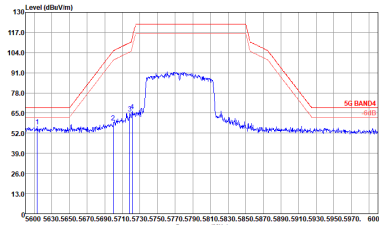
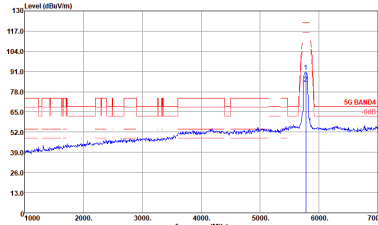
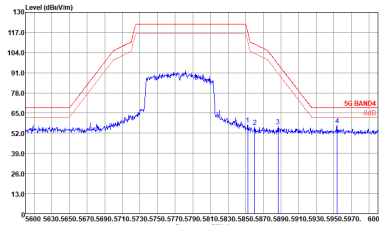
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Peak	 Site Condition : 030805-KS SG BAND4 No. 3117 00018050 VERTICAL RFW 1000.000MHz YFW 3000.000MHz SWT Auto Project #E214042 Mode 79 Plane Y Full-directivity #1 IMEI Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5697.68</td><td>56.52</td><td>-11.88</td><td>68.38</td><td>41.52</td><td>35.87</td><td>12.05</td><td>32.72</td><td>180</td><td>330 Peak VERTICAL</td></tr><tr><td>2</td><td>5695.38</td><td>56.58</td><td>-12.48</td><td>75.58</td><td>41.58</td><td>35.53</td><td>12.09</td><td>32.63</td><td>180</td><td>330 Peak VERTICAL</td></tr><tr><td>3</td><td>5795.00</td><td>56.84</td><td>-98.14</td><td>186.98</td><td>41.84</td><td>35.82</td><td>12.13</td><td>32.75</td><td>180</td><td>330 Peak VERTICAL</td></tr><tr><td>4</td><td>5722.00</td><td>55.12</td><td>-89.34</td><td>115.46</td><td>40.18</td><td>35.95</td><td>12.15</td><td>32.88</td><td>180</td><td>330 Peak VERTICAL</td></tr></table>															Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5697.68	56.52	-11.88	68.38	41.52	35.87	12.05	32.72	180	330 Peak VERTICAL	2	5695.38	56.58	-12.48	75.58	41.58	35.53	12.09	32.63	180	330 Peak VERTICAL	3	5795.00	56.84	-98.14	186.98	41.84	35.82	12.13	32.75	180	330 Peak VERTICAL	4	5722.00	55.12	-89.34	115.46	40.18	35.95	12.15	32.88	180	330 Peak VERTICAL	 Site Condition : 030805-KS SG BAND4 No. 3117 00018050 VERTICAL RFW 1000.000MHz YFW 3000.000MHz SWT Auto Project #E214042 Mode 79 Plane Y Full-directivity #1 IMEI Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5800.00</td><td>86.79</td><td></td><td>82.88</td><td>35.78</td><td>12.21</td><td>33.28</td><td>180</td><td>330 Peak VERTICAL</td></tr><tr><td>2</td><td>5800.00</td><td>85.95</td><td></td><td>74.16</td><td>35.78</td><td>12.21</td><td>33.28</td><td>180</td><td>330 Average VERTICAL</td></tr></table>															Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5800.00	86.79		82.88	35.78	12.21	33.28	180	330 Peak VERTICAL	2	5800.00	85.95		74.16	35.78	12.21	33.28	180	330 Average VERTICAL
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UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

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Peak	Site Condition : 032005-15 SF BAND4 3m 3117 00210650 HORIZONTAL RFW 1000.0000Hz YFW 3000.0000Hz SPT Auto Project : #E214042 Mode : 00 Plane : X Pull-directivity : IMEI : #1 Powersetting : 13 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5628.00</td><td>57.85</td><td>-11.25</td><td>66.30</td><td>42.13</td><td>35.48</td><td>12.86</td><td>32.62</td><td>106</td><td>123 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5699.20</td><td>64.85</td><td>-40.66</td><td>104.71</td><td>49.89</td><td>35.59</td><td>12.12</td><td>32.75</td><td>106</td><td>123 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5729.70</td><td>71.80</td><td>-40.64</td><td>110.82</td><td>57.84</td><td>35.65</td><td>12.15</td><td>32.86</td><td>106</td><td>123 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5724.40</td><td>72.37</td><td>-40.56</td><td>120.93</td><td>57.43</td><td>35.65</td><td>12.15</td><td>32.86</td><td>106</td><td>123 Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5628.00	57.85	-11.25	66.30	42.13	35.48	12.86	32.62	106	123 Peak	HORIZONTAL	2	5699.20	64.85	-40.66	104.71	49.89	35.59	12.12	32.75	106	123 Peak	HORIZONTAL	3	5729.70	71.80	-40.64	110.82	57.84	35.65	12.15	32.86	106	123 Peak	HORIZONTAL	4	5724.40	72.37	-40.56	120.93	57.43	35.65	12.15	32.86	106	123 Peak	HORIZONTAL	Site Condition : 032005-15 SF BAND4 3m 3117 00210650 HORIZONTAL RFW 1000.0000Hz YFW 3000.0000Hz SPT Auto Project : #E214042 Mode : 00 Plane : X Pull-directivity : IMEI : #1 Powersetting : 13 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>5776.00</td><td>98.75</td><td></td><td>83.90</td><td>35.75</td><td>12.19</td><td>33.89</td><td>106</td><td>123 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5776.00</td><td>98.83</td><td></td><td>75.90</td><td>35.75</td><td>12.19</td><td>33.89</td><td>106</td><td>123 Average</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor				MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg		1	5776.00	98.75		83.90	35.75	12.19	33.89	106	123 Peak	HORIZONTAL	2	5776.00	98.83		75.90	35.75	12.19	33.89	106	123 Average	HORIZONTAL
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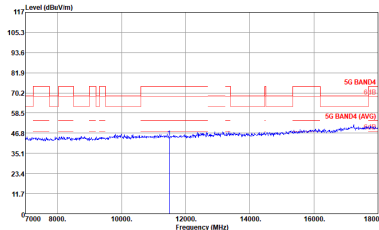
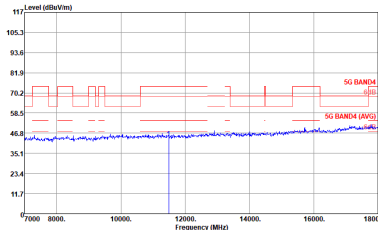


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2	Vertical					Fundamental																																																																																																																										
Peak	 Site : 030805-KS Condition : SG BAND4 No. 3117 00018050 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Polar : V Plane : Full-directivity IMEI : #1 PowerSetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5611.68</td><td>56.34</td><td>-11.86</td><td>68.30</td><td>41.44</td><td>35.47</td><td>12.45</td><td>32.62</td><td>100</td><td>331 Peak VERTICAL</td></tr><tr><td>2</td><td>5699.78</td><td>58.30</td><td>-46.12</td><td>104.88</td><td>43.84</td><td>35.59</td><td>12.12</td><td>32.75</td><td>100</td><td>331 Peak VERTICAL</td></tr><tr><td>3</td><td>5725.48</td><td>64.91</td><td>-49.54</td><td>114.45</td><td>49.97</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>331 Peak VERTICAL</td></tr><tr><td>4</td><td>5721.29</td><td>66.38</td><td>-47.26</td><td>113.64</td><td>51.44</td><td>35.65</td><td>12.15</td><td>32.86</td><td>100</td><td>331 Peak VERTICAL</td></tr></table>										Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5611.68	56.34	-11.86	68.30	41.44	35.47	12.45	32.62	100	331 Peak VERTICAL	2	5699.78	58.30	-46.12	104.88	43.84	35.59	12.12	32.75	100	331 Peak VERTICAL	3	5725.48	64.91	-49.54	114.45	49.97	35.65	12.15	32.86	100	331 Peak VERTICAL	4	5721.29	66.38	-47.26	113.64	51.44	35.65	12.15	32.86	100	331 Peak VERTICAL	 Site : 030805-KS Condition : SG BAND4 No. 3117 00018050 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : #E214042 Polar : V Plane : Full-directivity IMEI : #1 PowerSetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5776.00</td><td>91.86</td><td></td><td>76.21</td><td>35.75</td><td>12.19</td><td>33.89</td><td>100</td><td>331 Peak VERTICAL</td></tr><tr><td>2</td><td>5776.00</td><td>81.38</td><td></td><td>66.45</td><td>35.75</td><td>12.19</td><td>33.89</td><td>100</td><td>331 Average VERTICAL</td></tr></table>										Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	5776.00	91.86		76.21	35.75	12.19	33.89	100	331 Peak VERTICAL	2	5776.00	81.38		66.45	35.75	12.19	33.89	100	331 Average VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																					
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4	5721.29	66.38	-47.26	113.64	51.44	35.65	12.15	32.86	100	331 Peak VERTICAL																																																																																																																						
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Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																																						
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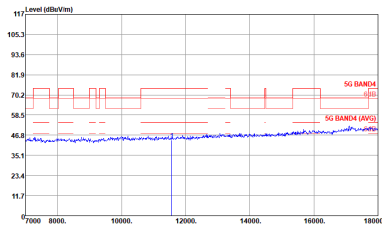
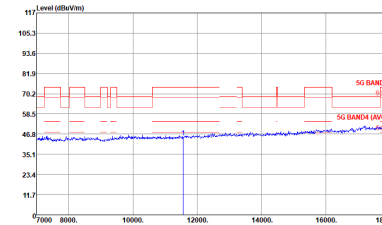


UNII-3- 5725~5850MHz---ANT 1

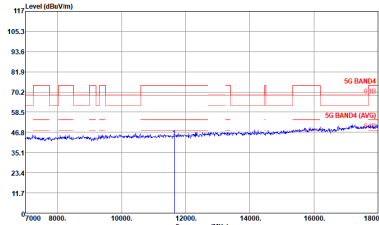
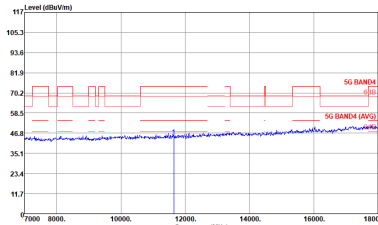
WIFI 802.11a (Harmonic @ 3m)

WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																										
ANT	802.11a CH149 5745MHz																																																																										
1	Horizontal					Vertical																																																																					
Peak Avg.																																																																											
	Site : 03CB05-ES Condition : 5G BAND4 In 3117 00218852 HORIZONTAL Project : ME14042 Mode : 0 Plane : 0 Pull-directivity : Pull-directivity IMEI : 81 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11489.48</td><td>44.48</td><td>-29.52</td><td>74.00</td><td>48.68</td><td>38.69</td><td>17.62</td><td>68.43</td><td>100</td><td>360 Peak HORIZONTAL</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1	11489.48	44.48	-29.52	74.00	48.68	38.69	17.62	68.43	100	360 Peak HORIZONTAL	Site : 03CB05-ES Condition : 5G BAND4 In 3117 00218852 VERTICAL Project : ME14042 Mode : 0 Plane : 0 Pull-directivity : Pull-directivity IMEI : 81 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11489.48</td><td>43.88</td><td>-30.12</td><td>74.00</td><td>48.00</td><td>38.69</td><td>17.62</td><td>68.43</td><td>100</td><td>360 Peak VERTICAL</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1	11489.48	43.88	-30.12	74.00	48.00	38.69	17.62	68.43	100
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																	
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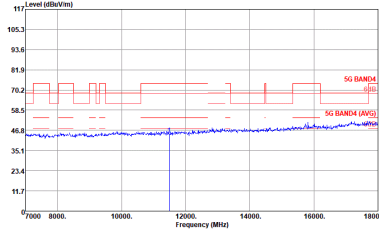
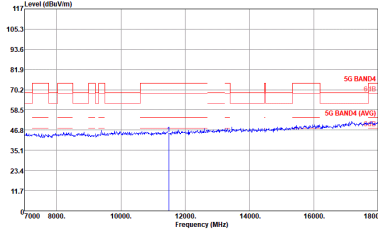
WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																									
ANT	802.11a CH157 5785MHz																																																									
1	Horizontal	Vertical																																																								
Peak Avg.	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 VERTICAL Project : RFV 1000.000000 YEW 3000.000000 SPT Auto Model : 4E214042 Plane : Y Polar : Full-directivity Polar : H PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11569.56</td><td>44.85</td><td>-29.95</td><td>74.00</td><td>49.81</td><td>38.74</td><td>17.68</td><td>60.38</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cm	deg		1	11569.56	44.85	-29.95	74.00	49.81	38.74	17.68	60.38	300	0 Peak	HORIZONTAL	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 VERTICAL Project : RFV 1000.000000 YEW 3000.000000 SPT Auto Model : 4E214042 Plane : Y Polar : Full-directivity Polar : H PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11569.56</td><td>45.12</td><td>-28.88</td><td>74.00</td><td>49.80</td><td>38.74</td><td>17.68</td><td>60.38</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	cm	deg		1	11569.56	45.12	-28.88	74.00	49.80	38.74	17.68	60.38	300	0 Peak	VERTICAL
	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																		
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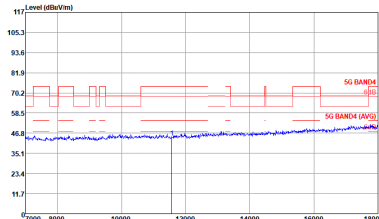
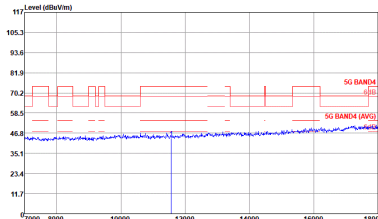
WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																										
ANT	802.11a CH165 5825MHz																																																																										
1	Horizontal					Vertical																																																																					
Peak Avg.																																																																											
	Site : 037805-RS Condition : 5G BAND4 On 2017 02/10/05Z 08181307ZAL Project : RSH 1000.000000Z YEW 3000.000000Z SPT Auto Node : 0214042 Plane : 2 Polar : Full-directivity Polar : 41 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11649.64</td><td>44.87</td><td>-29.93</td><td>74.00</td><td>47.90</td><td>38.78</td><td>17.72</td><td>68.33</td><td>100</td><td>360 Peak</td><td>HORIZONTAL</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg			1 11649.64	44.87	-29.93	74.00	47.90	38.78	17.72	68.33	100	360 Peak	HORIZONTAL	Site : 037805-RS Condition : 5G BAND4 On 2017 02/10/05Z 08181307ZAL Project : RSH 1000.000000Z YEW 3000.000000Z SPT Auto Node : 0214042 Plane : 2 Polar : Full-directivity Polar : 41 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11649.64</td><td>45.13</td><td>-28.87</td><td>74.00</td><td>48.96</td><td>38.78</td><td>17.72</td><td>68.33</td><td>100</td><td>360 Peak</td><td>VERTICAL</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	dB	cm	deg			1 11649.64	45.13	-28.87	74.00	48.96	38.78	17.72	68.33	100	360 Peak
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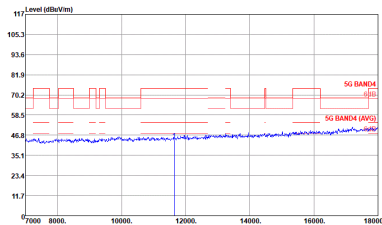
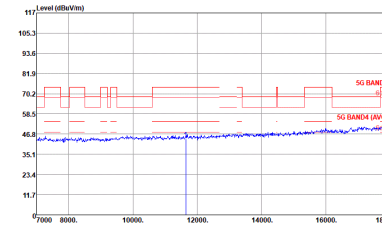
UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11n HT20 CH149 5745MHz																																																																			
1	Horizontal	Vertical																																																																		
Peak Avg.	 Site Condition : 032805-R3 SG BAND4 3m 3117 00218853 HORIZONTAL Project : RSP 1000.000MHz YPW 3000.000MHz SPT Auto Model : 45214042 Mode : U Plane : Z Full-directivity IMEI : 81 Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11489.48</td><td>44.41</td><td>-29.59</td><td>74.00</td><td>48.53</td><td>38.69</td><td>17.62</td><td>60.43</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1 11489.48	44.41	-29.59	74.00	48.53	38.69	17.62	60.43	300	0 Peak	HORIZONTAL	 Site Condition : 032805-R3 SG BAND4 3m 3117 00218853 VERTICAL Project : RSP 1000.000MHz YPW 3000.000MHz SPT Auto Model : 45214042 Mode : U Plane : Z Full-directivity IMEI : 81 Powercetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11489.48</td><td>44.51</td><td>-29.49</td><td>74.00</td><td>48.63</td><td>38.69</td><td>17.62</td><td>60.43</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1 11489.48	44.51	-29.49	74.00	48.63	38.69	17.62	60.43	300	0 Peak	VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg																																																												
1 11489.48	44.41	-29.59	74.00	48.53	38.69	17.62	60.43	300	0 Peak	HORIZONTAL																																																										
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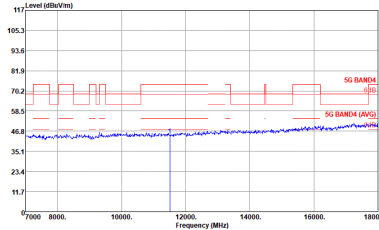
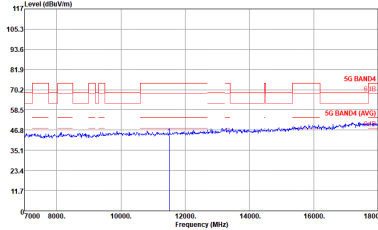
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ANT	802.11n HT20 CH157 5785MHz																																																																								
1	Horizontal						Vertical																																																																		
Peak Avg.																																																																									
	Site : 033805-RS Condition : SG BAND4 In 2017 00010802 HORIZONTAL Project : 48214042 Mode : 34 Plane : Y Full-directivity : Y IMEI : 41 Powersetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11569.56</td><td>44.18</td><td>-29.82</td><td>74.00</td><td>48.14</td><td>38.74</td><td>17.68</td><td>68.38</td><td>100</td><td>368</td><td>Peak</td><td>HORIZONTAL</td></tr></table>						Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	cm	deg		1	11569.56	44.18	-29.82	74.00	48.14	38.74	17.68	68.38	100	368	Peak	HORIZONTAL	Site : 033805-RS Condition : SG BAND4 In 2017 00010802 VERTICAL Project : 48214042 Mode : 34 Plane : Y Full-directivity : Y IMEI : 41 Powersetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>11569.56</td><td>43.89</td><td>-30.11</td><td>74.00</td><td>47.85</td><td>38.74</td><td>17.68</td><td>68.38</td><td>100</td><td>368</td><td>Peak</td><td>VERTICAL</td></tr></table>						Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	cm	deg		1	11569.56	43.89	-30.11	74.00	47.85	38.74	17.68	68.38	100	368	Peak
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																	
Freq	Level	Line	Level Factor	Loss Factor	dB	cm	deg																																																																		
1	11569.56	44.18	-29.82	74.00	48.14	38.74	17.68	68.38	100	368	Peak	HORIZONTAL																																																													
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																	
Freq	Level	Line	Level Factor	Loss Factor	dB	cm	deg																																																																		
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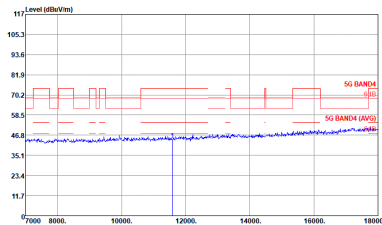
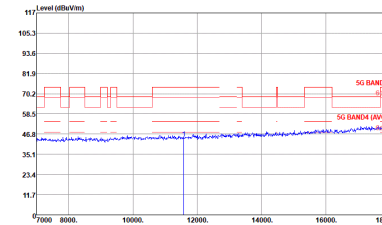
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ANT	802.11n HT20 CH165 5825MHz																																																																			
1	Horizontal	Vertical																																																																		
Peak Avg.	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 VERTICAL Project : RFW 1000.000000 YEW 3000.000000 SVT Auto Model : H214042 Plane : X Polar : Full-directivity Polar : H PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11649.64</td><td>43.88</td><td>-38.12</td><td>74.00</td><td>47.71</td><td>38.78</td><td>17.72</td><td>68.33</td><td>100</td><td>360 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1 11649.64	43.88	-38.12	74.00	47.71	38.78	17.72	68.33	100	360 Peak	HORIZONTAL	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 VERTICAL Project : RFW 1000.000000 YEW 3000.000000 SVT Auto Model : H214042 Plane : X Polar : Full-directivity Polar : H PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11649.64</td><td>44.10</td><td>-29.90</td><td>74.00</td><td>47.93</td><td>38.78</td><td>17.72</td><td>68.33</td><td>100</td><td>360 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1 11649.64	44.10	-29.90	74.00	47.93	38.78	17.72	68.33	100	360 Peak	VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																									
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UNII-3 5725~5850MHz
WIFI 802.11ac VHT40 (Harmonic @ 3m)

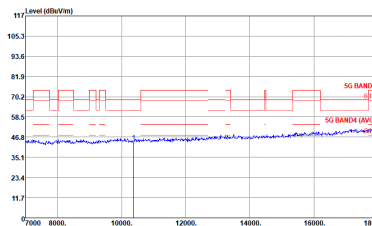
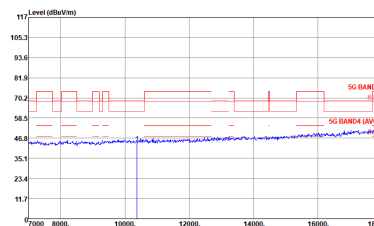
WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11ac VHT40 CH151 5755MHz																																																																			
1	Horizontal	Vertical																																																																		
Peak Avg.	 Site : 632805-03 Condition : 5G BAND4 In 3117 00218653 HORIZONTAL Project : RFP 1000.000MHz YWP 3000.000MHz SPT Auto Model : #E214042 Plane : 3D Polar-directivity : Full-directivity Polarization : H PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11509.50</td><td>44.42</td><td>-29.58</td><td>74.00</td><td>48.52</td><td>38.70</td><td>17.63</td><td>60.43</td><td>100</td><td>360 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	dB	cm	deg			1	11509.50	44.42	-29.58	74.00	48.52	38.70	17.63	60.43	100	360 Peak HORIZONTAL	 Site : 632805-03 Condition : 5G BAND4 In 3117 00218653 VERTICAL Project : RFP 1000.000MHz YWP 3000.000MHz SPT Auto Model : #E214042 Plane : 3D Polar-directivity : Full-directivity Polarization : V PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100MHz</th><th>dB</th><th>dBm/100MHz</th><th>dBm/100MHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11509.50</td><td>43.64</td><td>-30.36</td><td>74.00</td><td>47.74</td><td>38.70</td><td>17.63</td><td>60.43</td><td>100</td><td>360 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	dB	cm	deg			1	11509.50	43.64	-30.36	74.00	47.74	38.70	17.63	60.43	100	360 Peak VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																									
MHz	dBm/100MHz	dB	dBm/100MHz	dBm/100MHz	dB	dB	cm	deg																																																												
1	11509.50	44.42	-29.58	74.00	48.52	38.70	17.63	60.43	100	360 Peak HORIZONTAL																																																										
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
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WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																															
ANT	802.11ac VHT40 CH159 5795MHz																																																															
1	Horizontal	Vertical																																																														
Peak Avg.	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 HORIZONTAL Project : RF 1000.000000 YEW 3000.000000 SPT.Auto Model : 4E214042 Plane : Y Full-directivity : IMEI : PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11589.58</td><td>43.86</td><td>-38.14</td><td>74.00</td><td>47.79</td><td>38.75</td><td>17.69</td><td>68.37</td><td>100</td><td>360</td><td>Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11589.58	43.86	-38.14	74.00	47.79	38.75	17.69	68.37	100	360	Peak	HORIZONTAL	 Site : 032005-KS Condition : 5G BAND4 In 2017 00010000 VERTICAL Project : RF 1000.000000 YEW 3000.000000 SPT.Auto Model : 4E214042 Plane : Y Full-directivity : IMEI : PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11589.58</td><td>44.41</td><td>-29.59</td><td>74.00</td><td>48.34</td><td>38.75</td><td>17.69</td><td>68.37</td><td>100</td><td>360</td><td>Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11589.58	44.41	-29.59	74.00	48.34	38.75	17.69	68.37	100	360	Peak	VERTICAL
	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																							
Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg																																																								
1	11589.58	43.86	-38.14	74.00	47.79	38.75	17.69	68.37	100	360	Peak	HORIZONTAL																																																				
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1	11589.58	44.41	-29.59	74.00	48.34	38.75	17.69	68.37	100	360	Peak	VERTICAL																																																				



UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

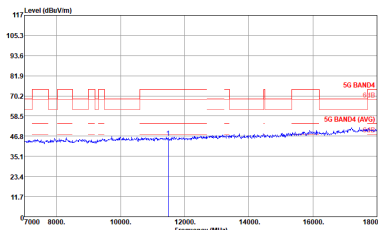
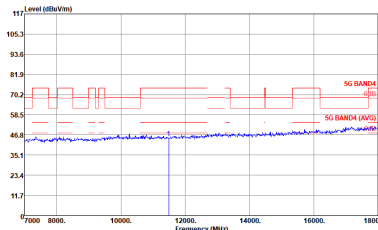
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ANT	802.11ac VHT80 CH155 5775MHz																																																																			
1	Horizontal	Vertical																																																																		
Peak Avg.	 Site Condition : 032016-05 SG BAND4 3m 3117 00218650 HORIZONTAL Project : RFP 1000, 00000000 YFW 3000, 00000000 SPT Auto Model : 45214042 Mode : 30 Plane : X Pull-directivity : 13 IMEI : #1 Power setting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 18378.38</td><td>43.91</td><td>-24.39</td><td>68.30</td><td>49.28</td><td>38.33</td><td>16.97</td><td>68.67</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1 18378.38	43.91	-24.39	68.30	49.28	38.33	16.97	68.67	300	0 Peak	HORIZONTAL	 Site Condition : 032016-05 SG BAND4 3m 3117 00218650 VERTICAL Project : RFP 1000, 00000000 YFW 3000, 00000000 SPT Auto Model : 45214042 Mode : 30 Plane : X Pull-directivity : 13 IMEI : #1 Power setting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 18378.38</td><td>44.84</td><td>-24.26</td><td>68.30</td><td>49.41</td><td>38.33</td><td>16.97</td><td>68.67</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1 18378.38	44.84	-24.26	68.30	49.41	38.33	16.97	68.67	300	0 Peak	VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																									
MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg																																																												
1 18378.38	43.91	-24.39	68.30	49.28	38.33	16.97	68.67	300	0 Peak	HORIZONTAL																																																										
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg																																																												
1 18378.38	44.84	-24.26	68.30	49.41	38.33	16.97	68.67	300	0 Peak	VERTICAL																																																										



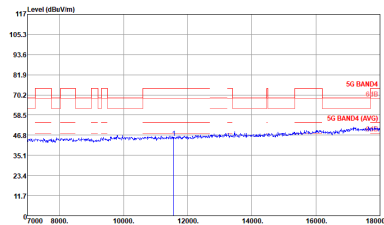
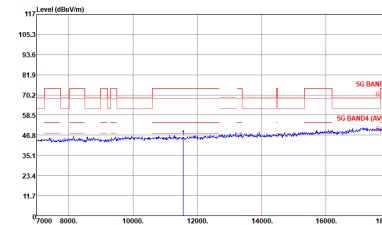
UNII-3- 5725~5850MHz

UNII-3- 5725~5850MHz---ANT 2

WIFI 802.11a (Harmonic @ 3m)

WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11a CH149 5745MHz																																																																			
2	Horizontal	Vertical																																																																		
Peak Avg.	 Site : 03C805-E5 Condition : 5G BAND4 In 3117 00218023 HORIZONTAL Project : 802.11a CH149 5745MHz Ref : 72 Plan : 2 Pull-directivity : 41 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11489.48</td><td>46.87</td><td>-27.93</td><td>74.00</td><td>58.19</td><td>38.69</td><td>17.62</td><td>68.43</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1 11489.48	46.87	-27.93	74.00	58.19	38.69	17.62	68.43	300	0 Peak	HORIZONTAL	 Site : 03C805-E5 Condition : 5G BAND4 In 3117 00218023 VERTICAL Project : 802.11a CH149 5745MHz Ref : 72 Plan : 2 Pull-directivity : 41 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11489.48</td><td>44.85</td><td>-29.15</td><td>74.00</td><td>48.97</td><td>38.69</td><td>17.62</td><td>68.43</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg			1 11489.48	44.85	-29.15	74.00	48.97	38.69	17.62	68.43	300	0 Peak	VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
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WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																					
ANT	802.11a CH157 5785MHz																																																																					
2	Horizontal						Vertical																																																															
Peak Avg.																																																																						
	Site : 033805-RS Condition : SG-BANDA In 2017 00210825 VERTICAL RFW: 1000.000000Hz VIEW: 3000.000000Hz SWT: Auto Project : #0214042 Mode : 73 Plane : Y Full-directivity : Y Polarization : #1 Power setting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11569.56</td><td>45.32</td><td>-28.68</td><td>74.00</td><td>49.28</td><td>38.74</td><td>17.68</td><td>68.38</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>						Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cm	deg	1	11569.56	45.32	-28.68	74.00	49.28	38.74	17.68	68.38	300	0 Peak	HORIZONTAL	Site : 033805-RS Condition : SG-BANDA In 2017 00210825 VERTICAL RFW: 1000.000000Hz VIEW: 3000.000000Hz SWT: Auto Project : #0214042 Mode : 73 Plane : Y Full-directivity : Y Polarization : #1 Power setting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11569.56</td><td>45.64</td><td>-28.36</td><td>74.00</td><td>49.60</td><td>38.74</td><td>17.68</td><td>68.38</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>					Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cm	deg	1	11569.56	45.64	-28.36	74.00	49.60	38.74	17.68	68.38	300	0 Peak
Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																														
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Freq	Level	Line	Level Factor	Loss Factor	dB	dB	cm	deg																																																														
1	11569.56	45.64	-28.36	74.00	49.60	38.74	17.68	68.38	300	0 Peak	VERTICAL																																																											

WIFI

ANT

2

UNII-3 5725~5850MHz Harmonic @ 3m

802.11a CH165 5825MHz

Horizontal

Peak

Avg.

117

Level (dBuV/m)

105.3

93.6

81.9

70.2

58.5

46.8

35.1

23.4

11.7

7000

8000

10000

12000

14000

16000

18000

Frequency (MHz)

Site

Condition

Project

Model

Flare

IMEI

Powercetting

03CMB-ES

5G BAND4 3m 3117 00218652 HORIZONTAL

SMP 1000.000MHz TWP 3000.000MHz SWT:auto

#0214042

74

Full-directivity

#1

15

Freq

Level

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Pol/Phas

MHz

dBuV/m

dB

dBuV/m

dBuV

dB

dB

cm

deg

1

11649.64

45.93

-28.97

74.00

48.86

38.78

17.72

69.33

100

360 Peak

HORIZONTAL

Vertical

117

Level (dBuV/m)

105.3

93.6

81.9

70.2

58.5

46.8

35.1

23.4

11.7

7000

8000

10000

12000

14000

16000

18000

Frequency (MHz)

Site

Condition

Project

Model

Flare

IMEI

Powercetting

03CMB-ES

5G BAND4 3m 3117 00218652 VERTICAL

SMP 1000.000MHz TWP 3000.000MHz SWT:auto

#0214042

74

Full-directivity

#1

15

Freq

Level

Over

Limit

ReadAntenna

Cable

Preamp

A/Pos

T/Pos

Remark

Pol/Phas

MHz

dBuV/m

dB

dBuV/m

dBuV

dB

dB

cm

deg

1

11649.64

44.39

-29.61

74.00

48.22

38.78

17.72

69.33

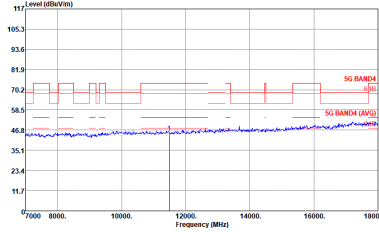
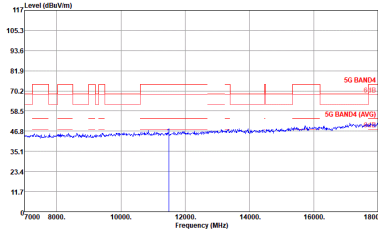
100

360 Peak

VERTICAL



UNII-3 5725~5850MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11n HT20 CH149 5745MHz																																																																			
2	Horizontal	Vertical																																																																		
Peak Avg.	 Site Condition : 032016-05 SG BAND4 3m 3117 00218650 HORIZONTAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT.Auto Model : 45214042 Mode : TS Plane : X Full-directivity IMEI : R1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11489.48</td><td>45.16</td><td>-28.84</td><td>74.00</td><td>49.28</td><td>38.69</td><td>17.62</td><td>60.43</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	11489.48	45.16	-28.84	74.00	49.28	38.69	17.62	60.43	0 Peak	HORIZONTAL	 Site Condition : 032016-05 SG BAND4 3m 3117 00218650 VERTICAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT.Auto Model : 45214042 Mode : TS Plane : X Full-directivity IMEI : R1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11489.48</td><td>44.30</td><td>-29.70</td><td>74.00</td><td>48.42</td><td>38.69</td><td>17.62</td><td>60.43</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	11489.48	44.30	-29.70	74.00	48.42	38.69	17.62	60.43	0 Peak	VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
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WIFI

UNII-3 5725~5850MHz Harmonic @ 3m

ANT

802.11n HT20 CH157 5785MHz

2

Horizontal

Vertical

Peak

Avg.

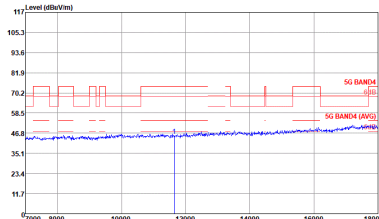
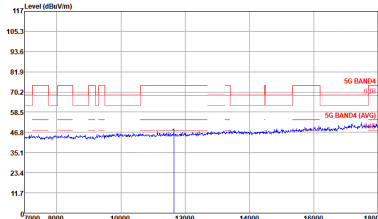
Site : 032005-E5
Condition : SG BAND4 3m 3117 00218652 HORIZONTAL
Project : SMP 100.000MHz 10W 3000.000Hz 0PT:auto
Mode : #0214042
Pole : 75
Flare : X
Full-directivity : X
FME : #1
Polarization : 15

Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11569.56	44.49	-29.51	74.00	48.45	38.74	17.68	69.38	300	0 Peak HORIZONTAL

Site : 032005-E5
Condition : SG BAND4 3m 3117 00218652 VERTICAL
Project : SMP 100.000MHz 10W 3000.000Hz 0PT:auto
Mode : #0214042
Pole : 75
Flare : X
Full-directivity : X
FME : #1
Polarization : 15

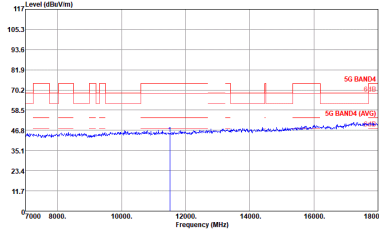
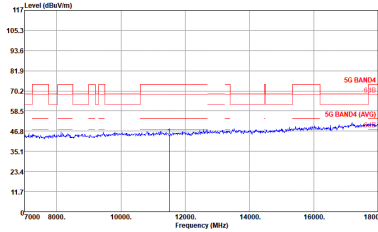
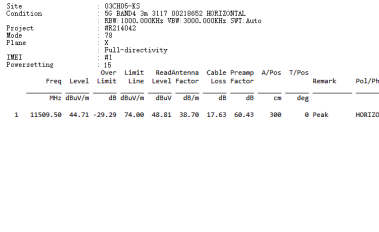
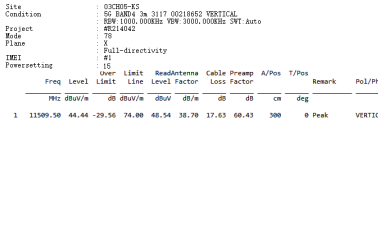
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	11569.56	44.45	-29.35	74.00	48.61	38.74	17.68	69.38	300	0 Peak VERTICAL



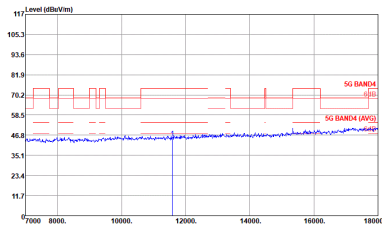
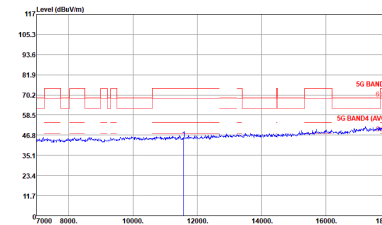
WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																													
ANT	802.11n HT20 CH165 5825MHz																																																													
2	Horizontal	Vertical																																																												
Peak Avg.	 Site : 030805-KS Condition : SG BAND4 On 2117 00010000 HORIZONTAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : H214042 Plane : Y Polar : Pull-directivity Polar : 41 PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11649.64</td><td>45.40</td><td>-28.69</td><td>74.00</td><td>49.23</td><td>38.78</td><td>17.72</td><td>60.33</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11649.64	45.40	-28.69	74.00	49.23	38.78	17.72	60.33	300	0 Peak	HORIZONTAL	 Site : 030805-KS Condition : SG BAND4 On 2117 00010000 VERTICAL Project : RRF 1000.000000 YEW 3000.000000 SPT Auto Model : H214042 Plane : Y Polar : Pull-directivity Polar : 41 PowerSetting : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11649.64</td><td>44.85</td><td>-29.15</td><td>74.00</td><td>48.68</td><td>38.78</td><td>17.72</td><td>60.33</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11649.64	44.85	-29.15	74.00	48.68	38.78	17.72	60.33	300	0 Peak	VERTICAL
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UNII-3 5725~5850MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11n HT40 CH151 5755MHz																																																																			
2	Horizontal	Vertical																																																																		
Peak Avg.	 Site Condition : 032015-05 SG BAND4 3m 3117 00218000 HORIZONTAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT Auto Model : 45214042 Mode : TV Plane : X Full-directivity IME1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dBm/Vm</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11589.58</td><td>44.71</td><td>-29.29</td><td>74.00</td><td>48.81</td><td>38.79</td><td>17.63</td><td>68.43</td><td>300</td><td>0 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dBm/Vm	dBm/Vm	dB	dB	cm	deg			1	11589.58	44.71	-29.29	74.00	48.81	38.79	17.63	68.43	300	0 Peak HORIZONTAL	 Site Condition : 032015-05 SG BAND4 3m 3117 00218000 VERTICAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT Auto Model : 45214042 Mode : TV Plane : X Full-directivity IME1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dBm/Vm</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11589.58</td><td>44.44</td><td>-29.56</td><td>74.00</td><td>48.54</td><td>38.79</td><td>17.63</td><td>68.43</td><td>300</td><td>0 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dBm/Vm	dBm/Vm	dB	dB	cm	deg			1	11589.58	44.44	-29.56	74.00	48.54	38.79	17.63	68.43	300	0 Peak VERTICAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																									
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MHz	dBm/Vm	dB	dBm/Vm	dBm/Vm	dB	dB	cm	deg																																																												
1	11589.58	44.44	-29.56	74.00	48.54	38.79	17.63	68.43	300	0 Peak VERTICAL																																																										
	 Site Condition : 032015-05 SG BAND4 3m 3117 00218000 HORIZONTAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT Auto Model : 45214042 Mode : TV Plane : X Full-directivity IME1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dBm/Vm</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11589.58</td><td>44.71</td><td>-29.29</td><td>74.00</td><td>48.81</td><td>38.79</td><td>17.63</td><td>68.43</td><td>300</td><td>0 Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dBm/Vm	dBm/Vm	dB	dB	cm	deg			1	11589.58	44.71	-29.29	74.00	48.81	38.79	17.63	68.43	300	0 Peak HORIZONTAL	 Site Condition : 032015-05 SG BAND4 3m 3117 00218000 VERTICAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT Auto Model : 45214042 Mode : TV Plane : X Full-directivity IME1 PowerSetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Vm</th><th>dB</th><th>dBm/Vm</th><th>dBm/Vm</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>11589.58</td><td>44.44</td><td>-29.56</td><td>74.00</td><td>48.54</td><td>38.79</td><td>17.63</td><td>68.43</td><td>300</td><td>0 Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Vm	dB	dBm/Vm	dBm/Vm	dB	dB	cm	deg			1	11589.58	44.44	-29.56	74.00	48.54	38.79	17.63	68.43	300	0 Peak VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
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WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																													
ANT	802.11n HT40 CH159 5795MHz																																																													
2	Horizontal	Vertical																																																												
Peak Avg.	 Site : 033805-RS Condition : 5G BAND4 n 2117 00218652 HORIZONTAL RFW : 1000.000000 VSW : 3000.000000 SWT : Auto Project : 48214042 Mode : 79 Plane : Y Polar : Pull-directivity Polar : 41 Power : 15 Power : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11589.58</td><td>45.29</td><td>-28.89</td><td>74.08</td><td>49.13</td><td>38.75</td><td>17.69</td><td>68.37</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11589.58	45.29	-28.89	74.08	49.13	38.75	17.69	68.37	300	0 Peak	HORIZONTAL	 Site : 033805-RS Condition : 5G BAND4 n 2117 00218652 VERTICAL RFW : 1000.000000 VSW : 3000.000000 SWT : Auto Project : 48214042 Mode : 79 Plane : Y Polar : Pull-directivity Polar : 41 Power : 15 Power : 15 <table><tr><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11589.58</td><td>44.89</td><td>-29.11</td><td>74.08</td><td>48.82</td><td>38.75</td><td>17.69</td><td>68.37</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	Freq	Level	Line	Level	Factor	Loss	Factor	cm	deg	1	11589.58	44.89	-29.11	74.08	48.82	38.75	17.69	68.37	300	0 Peak	VERTICAL
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UNII-3 5725~5850MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

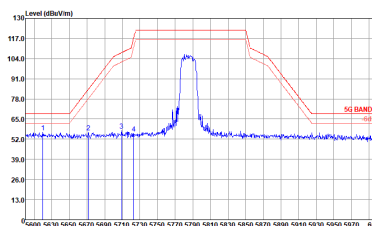
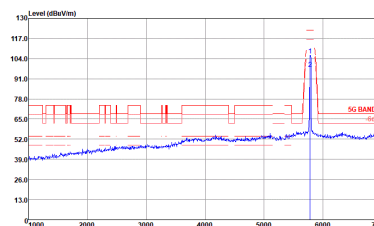
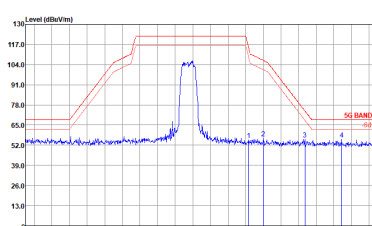
WIFI	UNII-3 5725~5850MHz Harmonic @ 3m																																																																			
ANT	802.11ac VHT80 CH155 5775MHz																																																																			
2	Horizontal	Vertical																																																																		
Peak Avg.	Site Condition : 032016-05 SG BAND4 3m 3117 00218650 HORIZONTAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT.Auto Model : 40214042 Mode : 00 Plane : X Z : Pull-directivity IMEI : #1 PowerSetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11549.54</td><td>44.97</td><td>-29.83</td><td>74.80</td><td>48.97</td><td>38.73</td><td>17.66</td><td>60.39</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1 11549.54	44.97	-29.83	74.80	48.97	38.73	17.66	60.39	300	0 Peak	HORIZONTAL	Site Condition : 032016-05 SG BAND4 3m 3117 00218650 VERTICAL Project : RFP 1000.000MHz YFW 3000.000MHz SPT.Auto Model : 40214042 Mode : 00 Plane : X Z : Pull-directivity IMEI : #1 PowerSetting : 13 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1 11549.54</td><td>44.77</td><td>-29.23</td><td>74.80</td><td>48.77</td><td>38.73</td><td>17.66</td><td>60.39</td><td>300</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1 11549.54	44.77	-29.23	74.80	48.77	38.73	17.66	60.39	300	0 Peak	VERTICAL
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																										
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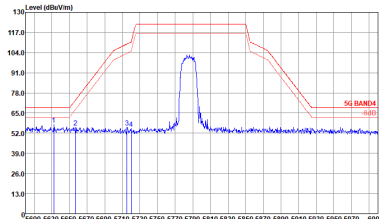
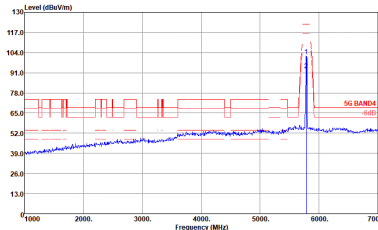
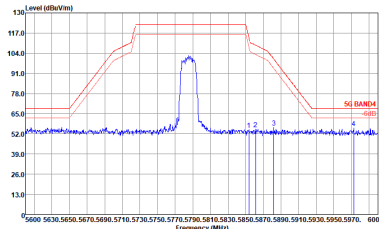
WIFI Tx With AP15(US)

UNII-3- 5725~5850MHz---ANT 1

WIFI 802.11a (Band Edge @ 3m)

WIFI	UNII-3 5725~5850MHz Band Edge @ 3m																																																																																																																			
ANT	802.11a CH157 5785MHz																																																																																																																			
1	Horizontal	Fundamental																																																																																																																		
Peak	 Site Condition : 03C005-K5 SG BAND4 In 3117 00210000 HORIZONTAL RF 1000.000MHz WPM 3000.000Hz SPT Auto Project : #E214042 Mode : 0 Plane : X Pull-directivity : 0 IMEI : #1 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5620.00</td><td>56.63</td><td>-11.67</td><td>68.30</td><td>41.71</td><td>35.48</td><td>12.86</td><td>32.62</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5671.00</td><td>56.64</td><td>-27.68</td><td>84.32</td><td>41.61</td><td>35.56</td><td>12.18</td><td>32.63</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5709.20</td><td>57.42</td><td>-56.46</td><td>107.88</td><td>42.42</td><td>35.82</td><td>12.13</td><td>32.75</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5722.00</td><td>55.64</td><td>-61.64</td><td>117.28</td><td>40.78</td><td>35.05</td><td>12.15</td><td>32.86</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5620.00	56.63	-11.67	68.30	41.71	35.48	12.86	32.62	100	118 Peak	HORIZONTAL	2	5671.00	56.64	-27.68	84.32	41.61	35.56	12.18	32.63	100	118 Peak	HORIZONTAL	3	5709.20	57.42	-56.46	107.88	42.42	35.82	12.13	32.75	100	118 Peak	HORIZONTAL	4	5722.00	55.64	-61.64	117.28	40.78	35.05	12.15	32.86	100	118 Peak	HORIZONTAL	 Site Condition : 03C005-K5 SG BAND4 In 3117 00210000 HORIZONTAL RF 1000.000MHz WPM 3000.000Hz SPT Auto Project : #E214042 Mode : 0 Plane : X Pull-directivity : 0 IMEI : #1 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5782.00</td><td>106.87</td><td></td><td>91.22</td><td>35.75</td><td>12.19</td><td>33.89</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5782.00</td><td>97.55</td><td></td><td>82.70</td><td>35.75</td><td>12.19</td><td>33.89</td><td>100</td><td>118 Average</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5782.00	106.87		91.22	35.75	12.19	33.89	100	118 Peak	HORIZONTAL	2	5782.00	97.55		82.70	35.75	12.19	33.89	100	118 Average	HORIZONTAL
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																									
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Peak	 Site Condition : 03C005-K5 SG BAND4 In 3117 00210000 HORIZONTAL RF 1000.000MHz WPM 3000.000Hz SPT Auto Project : #E214042 Mode : 0 Plane : X Pull-directivity : 0 IMEI : #1 Powersetting : 15 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>5853.20</td><td>55.57</td><td>-59.43</td><td>115.00</td><td>40.68</td><td>35.87</td><td>12.25</td><td>33.43</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>5870.00</td><td>56.54</td><td>-58.18</td><td>106.70</td><td>41.87</td><td>35.90</td><td>12.20</td><td>33.49</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>3</td><td>5917.20</td><td>55.78</td><td>-18.27</td><td>74.05</td><td>41.13</td><td>35.88</td><td>12.31</td><td>33.54</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr><tr><td>4</td><td>5958.00</td><td>55.90</td><td>-12.48</td><td>68.30</td><td>41.36</td><td>35.85</td><td>12.35</td><td>33.66</td><td>100</td><td>118 Peak</td><td>HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	cm	deg			1	5853.20	55.57	-59.43	115.00	40.68	35.87	12.25	33.43	100	118 Peak	HORIZONTAL	2	5870.00	56.54	-58.18	106.70	41.87	35.90	12.20	33.49	100	118 Peak	HORIZONTAL	3	5917.20	55.78	-18.27	74.05	41.13	35.88	12.31	33.54	100	118 Peak	HORIZONTAL	4	5958.00	55.90	-12.48	68.30	41.36	35.85	12.35	33.66	100	118 Peak	HORIZONTAL	Left blank																																												
Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																																										
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