



FCC RADIO TEST REPORT

FCC ID : APYHRO00335
Equipment : Smart phone
Brand Name : SHARP
Model Name : APYHRO00335
Applicant : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City,
Osaka 590-8522, Japan
Manufacturer : SHARP CORPORATION
1 Takumi-cho, Sakai-ku, Sakai City,
Osaka 590-8522, Japan
Standard : FCC Part 15 Subpart E §15.407

The product was received on Feb. 20, 2025 and testing was performed from Mar. 03, 2025 to Apr. 02, 2025. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR4D0637F	01	Initial issue of report	Apr. 22, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng

Report Producer: Josie Hsu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, GNSS and NFC.
Antenna Type WLAN: Loop Antenna

Antenna information
5725 MHz ~ 5850 MHz Peak Gain (dBi) 1.19

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

Item	Sample 1		Sample 2		Sample 3	
	Vendor	Model Number	Vendor	Model Number	Vendor	Model Number
DDR	LONGSYS	SA0FLXC2012	Samsung	SA04UBE3010	LONGSYS	SA0FLXC2012
UFS2.2	LONGSYS	SA0N128G010	Samsung	SA02U1DC010	LONGSYS	SA064GC2010
Display	DJN	SLX3M066X00	CPT	SLX065WRX00	DJN	SLX3M066X00
Rear camera	Shinotech	S0CNN72B000	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Front camera	Shinotech	S0CM8G1B060	Union Image	S0C50A350A0	Union Image	S0C50A350A0
Battery	SCUD	BPSX400001S	EVE	BPSX400002S	EVE	BPSX400002S
PCB	Tripod	SB0SX51BG0C	Compeq	SB0SX51BJ0C	Compeq	SB0SX51BJ0C
Accelerometer /Gyroscope	TDK	SA042670020	ST	SA0OETR3020	ST	SA0OETR3020
E-compass	QST	SA0C6308130	MEMSIC	SA0C56030A0	MEMSIC	SA0C56030A0
ALS/PS sensor	Sensortek	SA033562020	EMINENT	SA079911020	EMINENT	SA079911020
FPC_Side_Key	Sunflex	MESX514021A	PBH	MESX514001A	PBH	MESX514001A
FPC_USB	Sunflex	MESX114012A	PBH	MESX314004A	PBH	MESX314004A
FPC_AJ	Sunflex	MESX114013A	PBH	MESX314003A	PBH	MESX314003A
FPC_Main	Sunflex	MESX514002A	PBH	MESX514022A	PBH	MESX514022A
FPC_SPK	Sunflex	MESX514004A	AKM	MESX514024A	AKM	MESX514024A
FPC_flashlight	Sunflex	MESX514023A	PBH	MESX514003A	PBH	MESX514003A
Rear housing	LF	MESX561041A	DY	MESX561040A	LF	MESX561041A



1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No.
	TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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 Band 4 (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 with "*" are 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80.

2.2 Test Mode

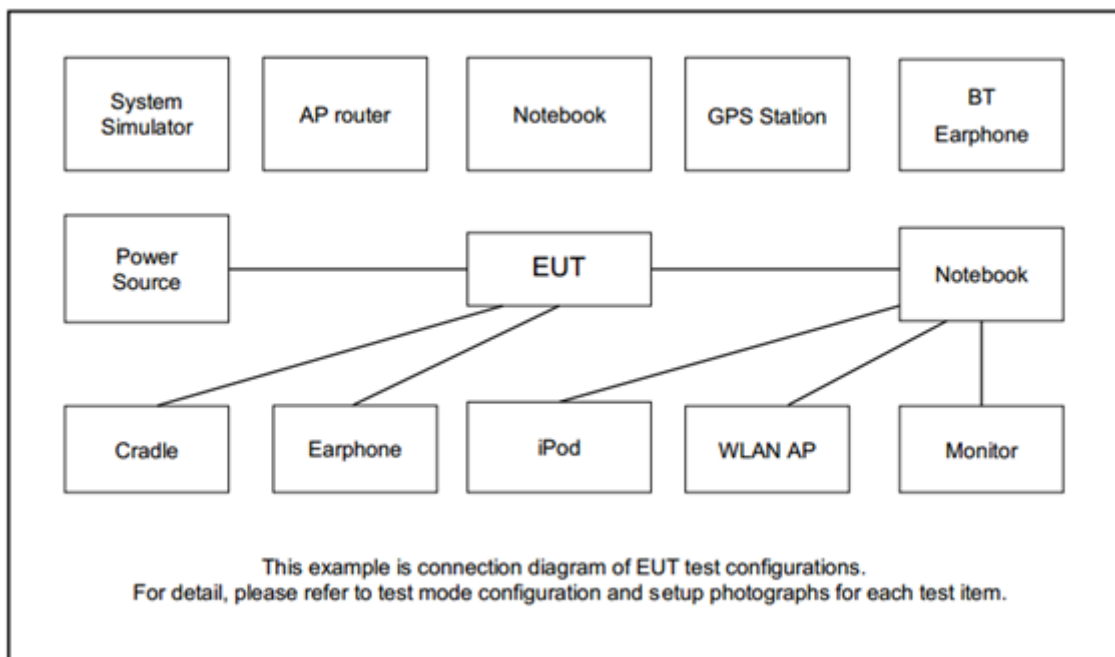
The power for 802.11ac mode is smaller than 802.11n mode, so all other conducted and radiated test is covered by 802.11n mode.

The final test modes include the worst data rates for each modulation shown in the table below.

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + Earphone + MPEG4 + USB Cable (Charging from Adapter) + Battery 2 for Sample 3
Remark: 1. For Radiated Test Cases, the tests were performed with Sample 3 2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 3. The detailed Radiated test modes are shown in Appendix C.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA2029	N/A	N/A
4.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded 1.8m	N/A
5.	Earphone	NOKIA	WH-108	NA	N/A	N/A



2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: 00.00.06A3040) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 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.

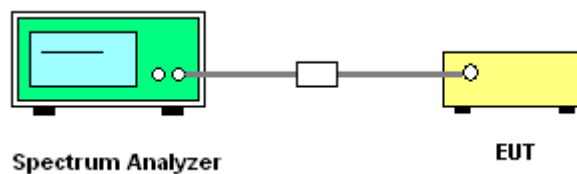
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in 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 5.725-5.85 GHz
2. Set RBW = 100 kHz.
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 and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

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

Please refer to the measuring equipment list in this test report.

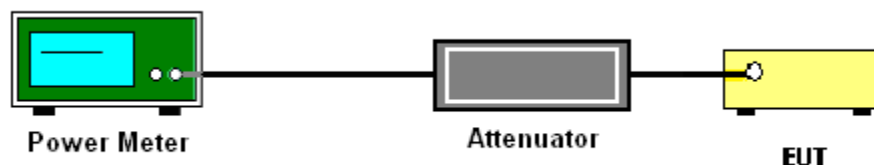
3.2.3 Test Procedures

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

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

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

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

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

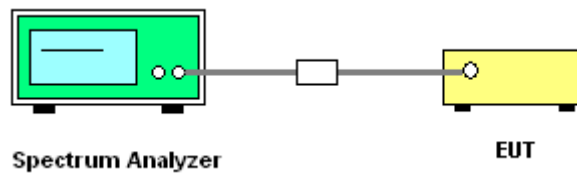
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section F) Maximum power spectral density.

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 = 300kHz.
 - Set VBW ≥ 1 MHz.
 - Add $10 \log(500 \text{ kHz}/\text{RBW})$ to the measured result, whereas RBW ($< 500 \text{ kHz}$) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
 - Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6 \text{ dB}$ if the duty cycle is 25 percent.
1. The RF output of EUT is 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.

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 falls in restricted bands shall comply with the general field strength limits as below table,

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in 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 1000 MHz
 - 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 1000 MHz
 - 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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is 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 is 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. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading.
When there is no suspected emission found and the emission level is with at least 6 dB margin

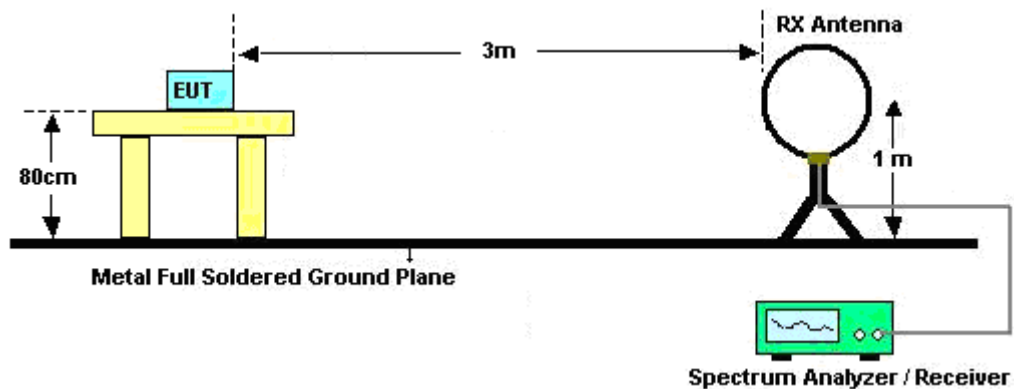
against QP limit line, the position is marked as “-”.

7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies.

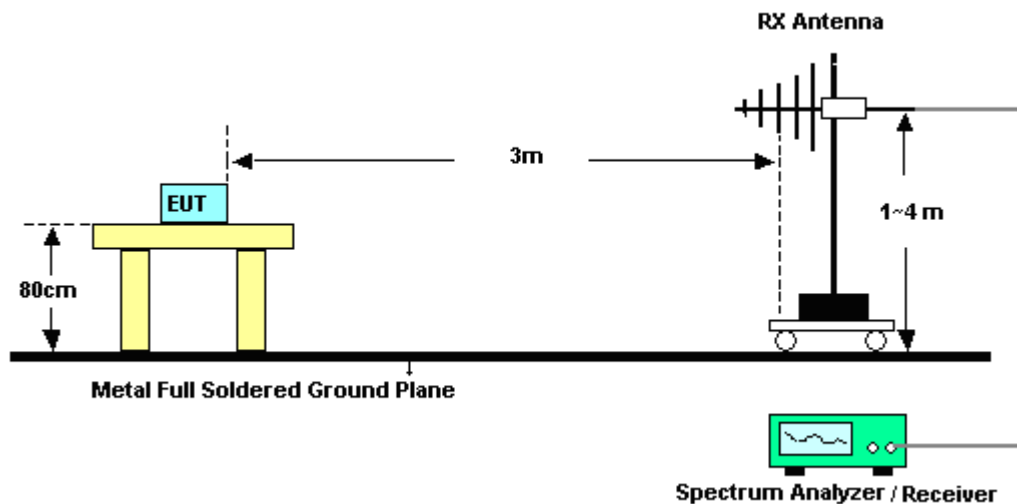
When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

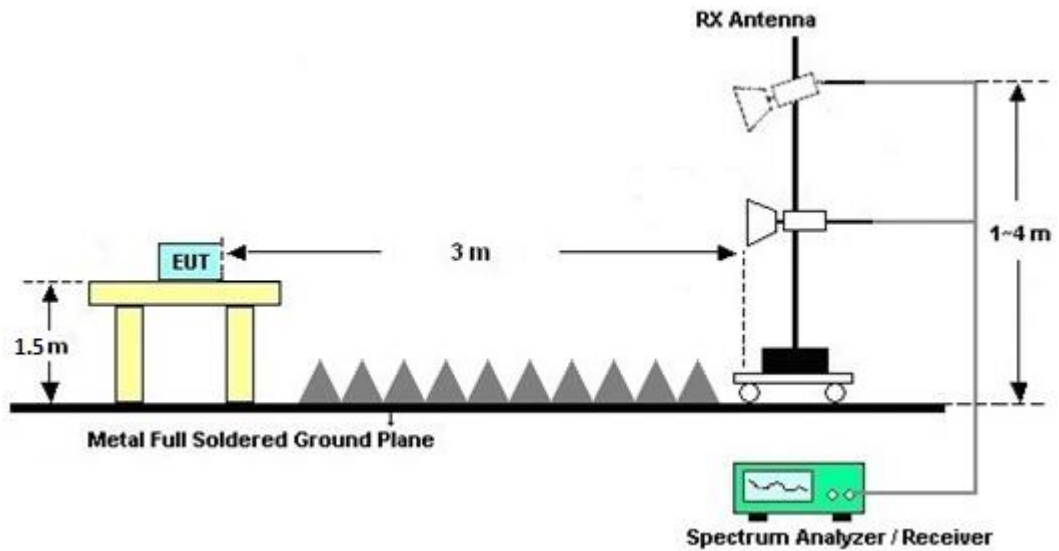
For radiated emissions below 30MHz



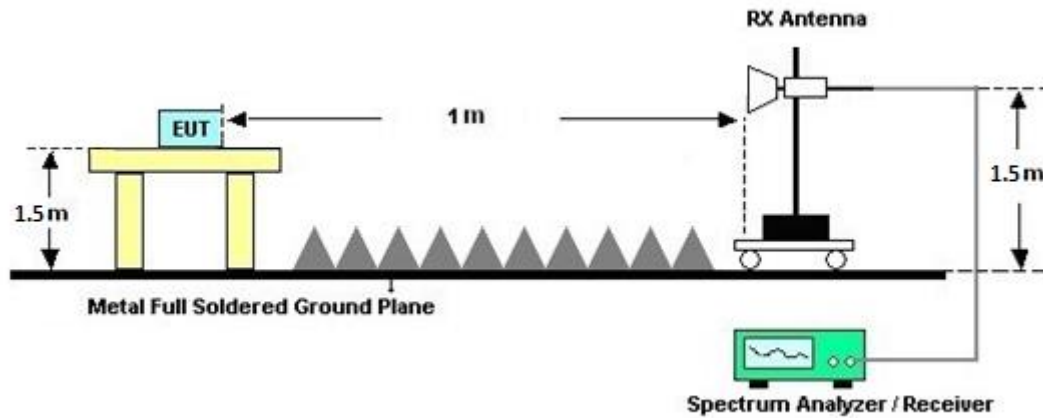
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

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.

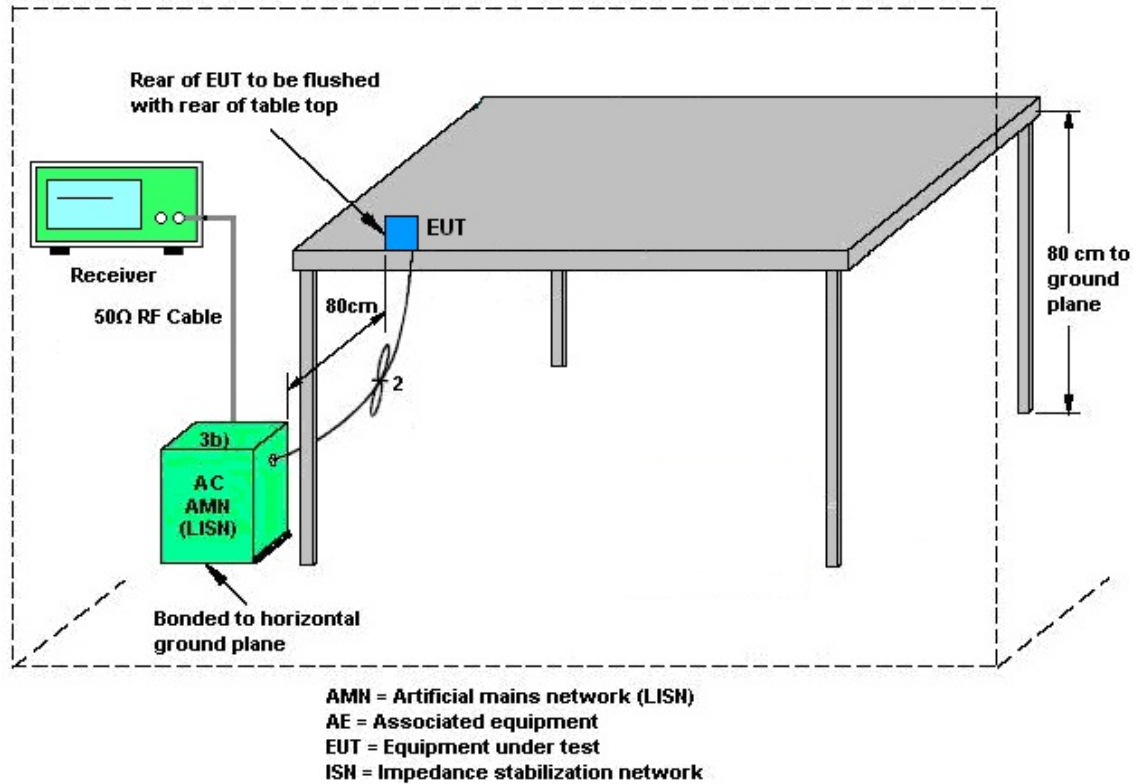
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
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

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 16, 2024	Mar. 25, 2025~ Mar. 31, 2025	Oct. 15, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Mar. 25, 2025~ Mar. 31, 2025	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060873	18GHz~40GHz	Sep. 02, 2024	Mar. 25, 2025~ Mar. 31, 2025	Sep. 01, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Mar. 25, 2025~ Mar. 31, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Mar. 25, 2025~ Mar. 31, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Mar. 25, 2025~ Mar. 31, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Mar. 25, 2025~ Mar. 31, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N 1D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Mar. 25, 2025~ Mar. 31, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	02360	1GHz-18GHz	Nov. 01, 2024	Mar. 25, 2025~ Mar. 31, 2025	Oct. 31, 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jun. 24, 2024	Mar. 25, 2025~ Mar. 31, 2025	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz-1000MHz	Dec. 31, 2024	Mar. 25, 2025~ Mar. 31, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 12, 2024	Mar. 25, 2025~ Mar. 31, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 16, 2025	Mar. 25, 2025~ Mar. 31, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP211542	N/A	Oct. 21, 2024	Mar. 25, 2025~ Mar. 31, 2025	Oct. 20, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Mar. 25, 2025~ Mar. 31, 2025	N/A	Radiation (03CH20-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Mar. 03, 2025~ Mar. 31, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Mar. 03, 2025~ Mar. 31, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Mar. 03, 2025~ Mar. 31, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Mar. 03, 2025~ Mar. 31, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_250114	N/A	Conducted Other Test Item	N/A	Mar. 03, 2025~ Mar. 31, 2025	N/A	Conducted (TH05-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Apr. 02, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Apr. 02, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	9561-FN00373	9kHz-200MHz	Oct. 23, 2024	Apr. 02, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	Apr. 02, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Lisn	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 12, 2024	Apr. 02, 2025	Dec. 11, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	9kHz~30MHz	Mar. 24, 2025	Apr. 02, 2025	Mar. 23, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Apr. 02, 2025	Sep. 22, 2025	Conduction (CO07-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Sylvia Li	Temperature:	21~25	°C
Test Date:	2025/03/03~2025/03/31	Relative Humidity:	51~54	%

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

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	149	5745	17.17	-	32.67	-	15.09	-	0.5	Pass
11a	6Mbps	1	157	5785	17.44	-	31.22	-	15.02	-	0.5	Pass
11a	6Mbps	1	165	5825	17.31	-	30.89	-	15.10	-	0.5	Pass
HT20	MCS0	1	149	5745	18.35	-	32.82	-	15.12	-	0.5	Pass
HT20	MCS0	1	157	5785	18.31	-	34.51	-	15.08	-	0.5	Pass
HT20	MCS0	1	165	5825	18.41	-	33.78	-	15.05	-	0.5	Pass
HT40	MCS0	1	151	5755	38.23	-	78.29	-	35.12	-	0.5	Pass
HT40	MCS0	1	159	5795	38.49	-	78.67	-	35.12	-	0.5	Pass
VHT80	MCS0	1	155	5775	75.52	-	129.70	-	75.14	-	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	149	5745	18.70	-		30.00	-	1.19	-	Pass
11a	6Mbps	1	157	5785	18.80	-		30.00	-	1.19	-	Pass
11a	6Mbps	1	165	5825	18.70	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	149	5745	18.70	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	157	5785	18.70	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	165	5825	18.70	-		30.00	-	1.19	-	Pass
HT40	MCS0	1	151	5755	18.60	-		30.00	-	1.19	-	Pass
HT40	MCS0	1	159	5795	18.60	-		30.00	-	1.19	-	Pass
VHT20	MCS0	1	149	5745	18.60	-		30.00	-	1.19	-	Pass
VHT20	MCS0	1	157	5785	18.60	-		30.00	-	1.19	-	Pass
VHT20	MCS0	1	165	5825	18.60	-		30.00	-	1.19	-	Pass
VHT40	MCS0	1	151	5755	18.50	-		30.00	-	1.19	-	Pass
VHT40	MCS0	1	159	5795	18.50	-		30.00	-	1.19	-	Pass
VHT80	MCS0	1	155	5775	17.00	-		30.00	-	1.19	-	Pass

TEST RESULTS DATA
Power Spectral Density

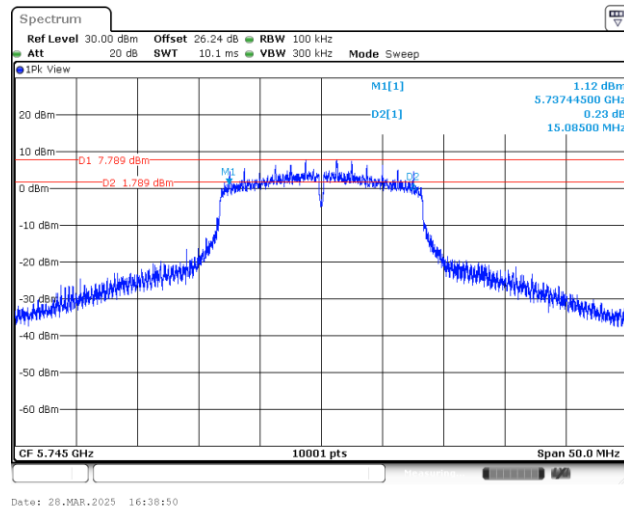
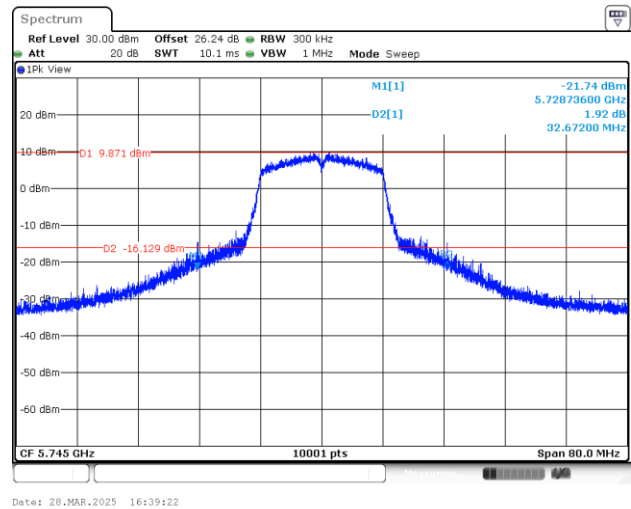
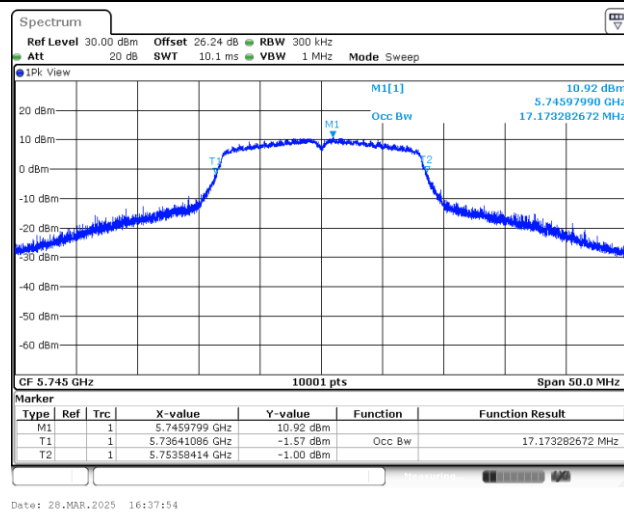
U-NII-3 single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 4	Ant 2	Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	149	5745	0.11		4.83	-		30.00	-	1.19	-	Pass
11a	6Mbps	1	157	5785	0.11		4.51	-		30.00	-	1.19	-	Pass
11a	6Mbps	1	165	5825	0.11		4.58	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	149	5745	0.12		4.95	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	157	5785	0.12		4.62	-		30.00	-	1.19	-	Pass
HT20	MCS0	1	165	5825	0.12		4.45	-		30.00	-	1.19	-	Pass
HT40	MCS0	1	151	5755	0.23		2.07	-		30.00	-	1.19	-	Pass
HT40	MCS0	1	159	5795	0.23		1.99	-		30.00	-	1.19	-	Pass
VHT80	MCS0	1	155	5775	0.44		-3.11	-		30.00	-	1.19	-	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

**Test Result of 6dB and 26dB and 99% Occupied Bandwidth**

<Ant. 1>

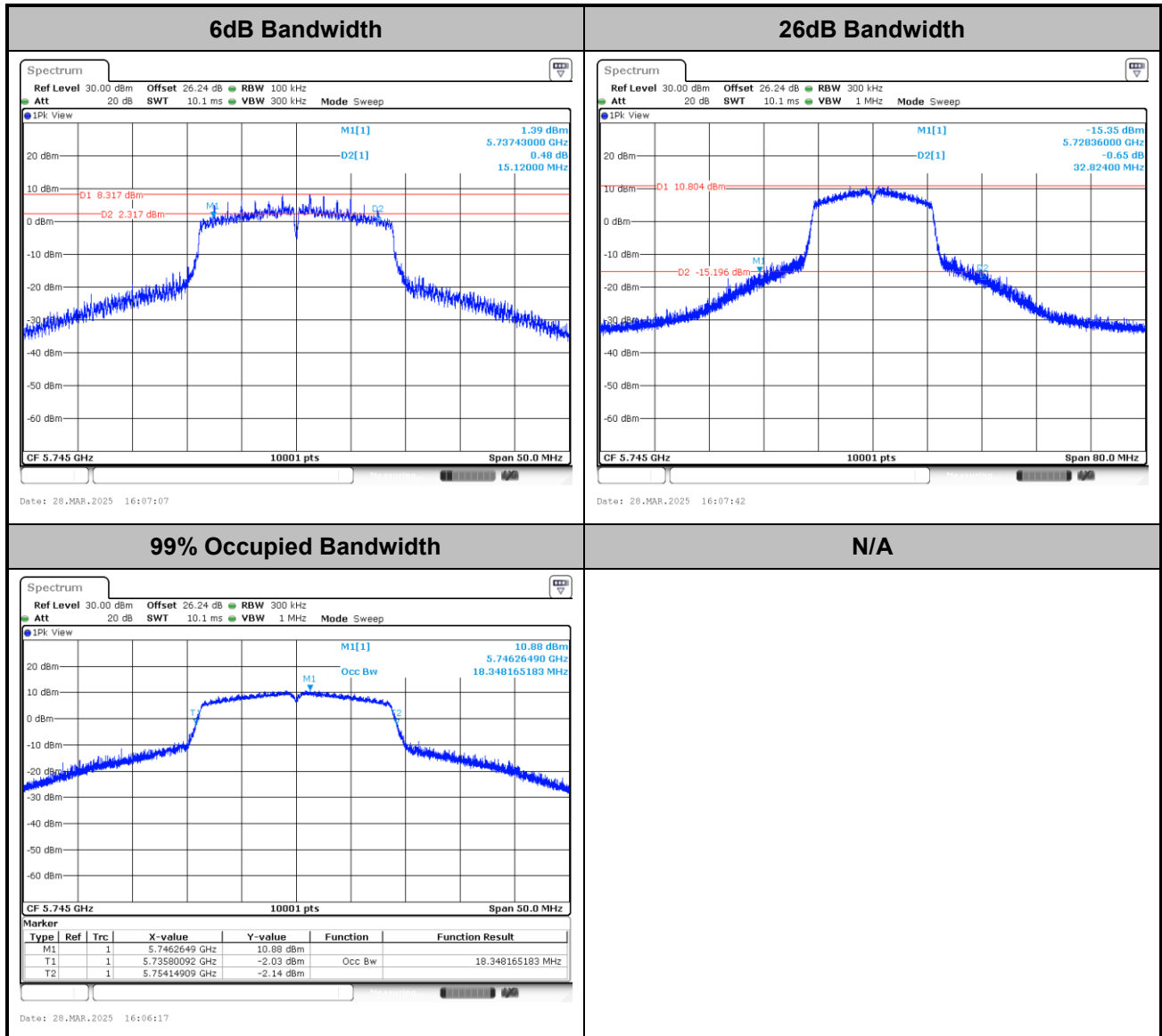
<802.11a>

6dB Bandwidth**26dB Bandwidth****99% Occupied Bandwidth**

N/A

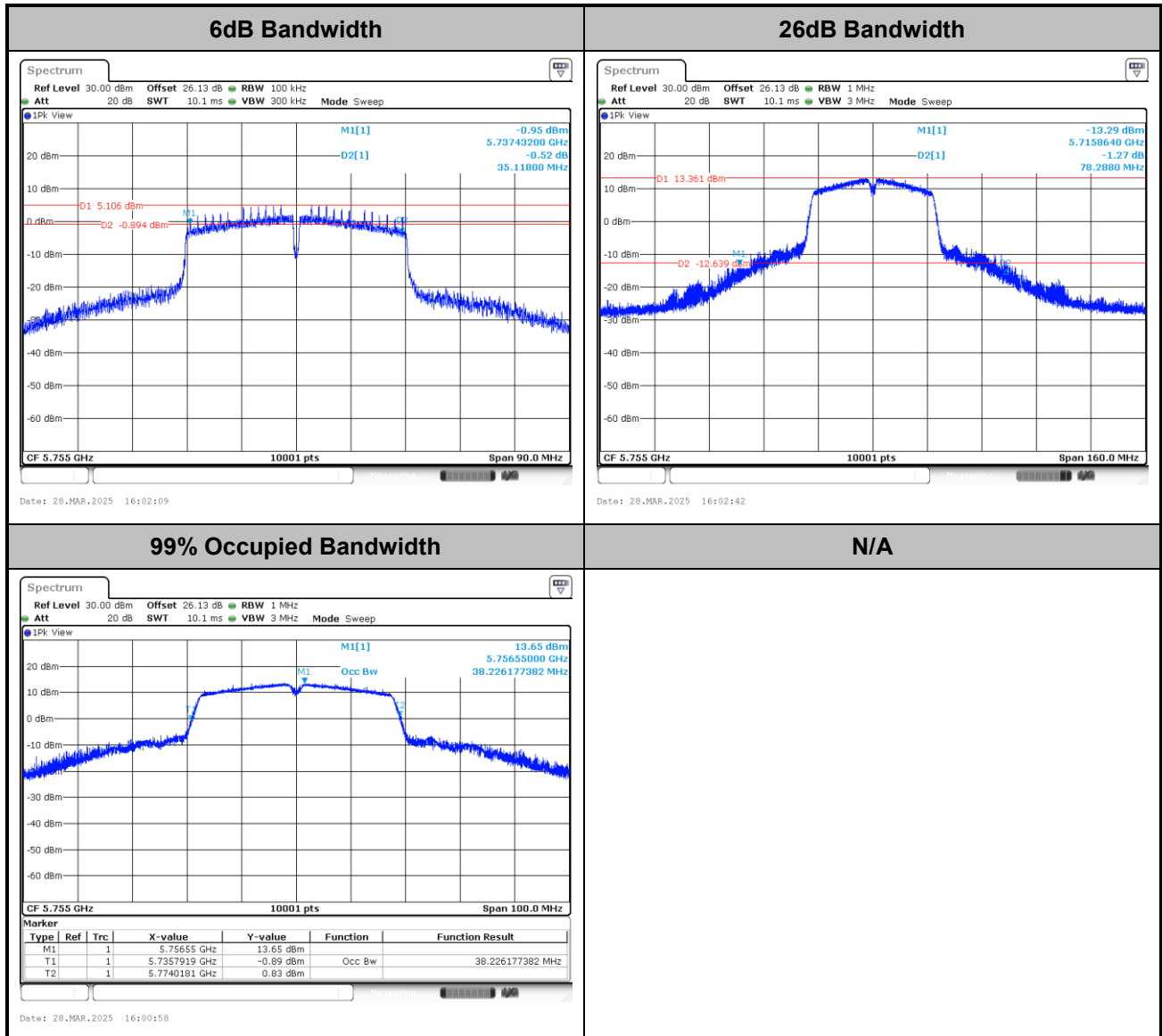


<802.11an HT20>



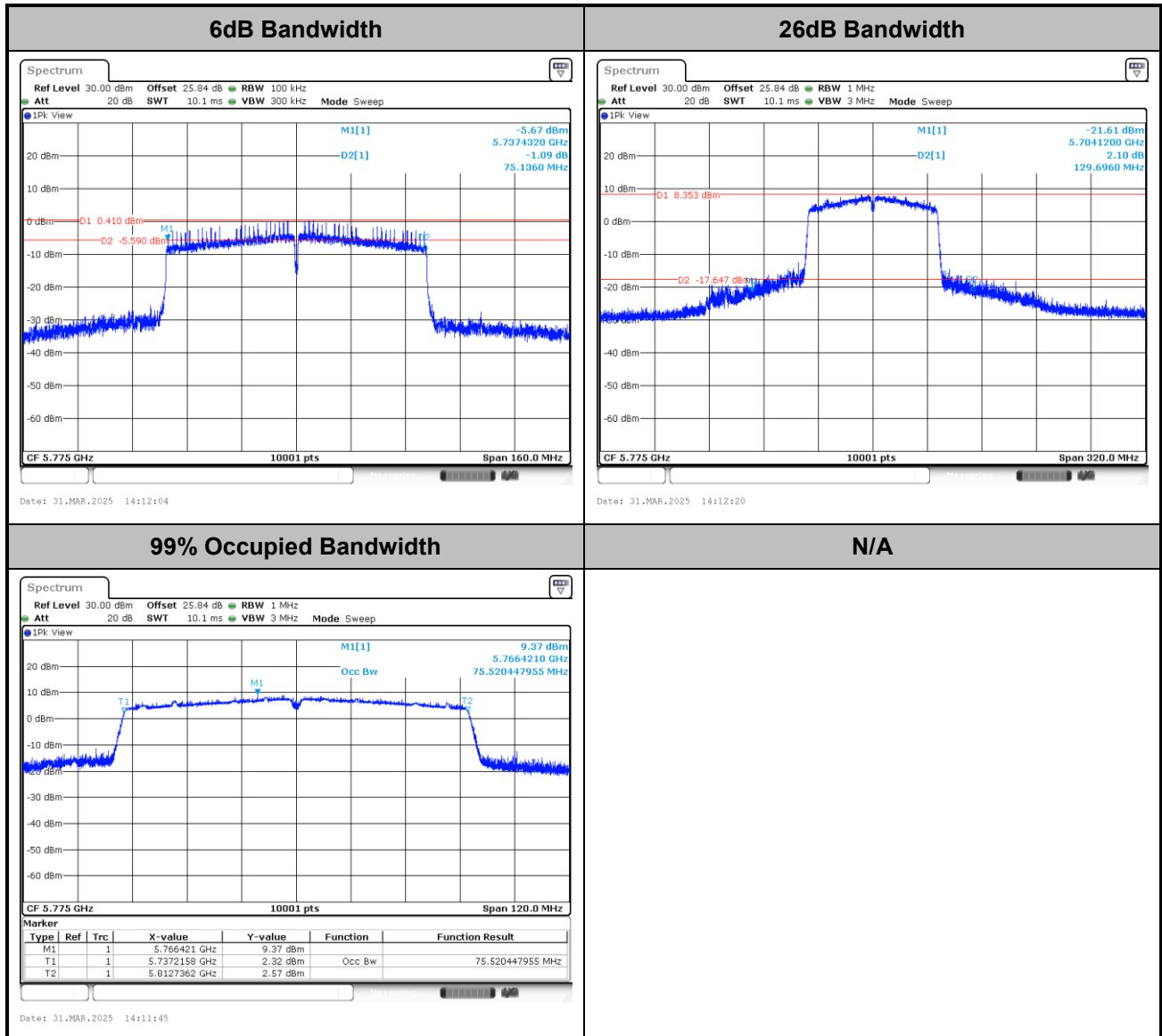


<802.11an HT40>





<802.11ac VHT80>



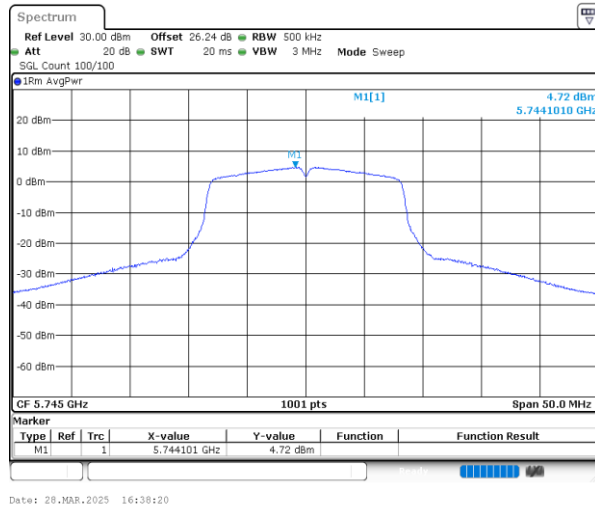


Test Result of Power Spectral Density

<802.11a>

Maximum Power Density Plot (dBm/500kHz)

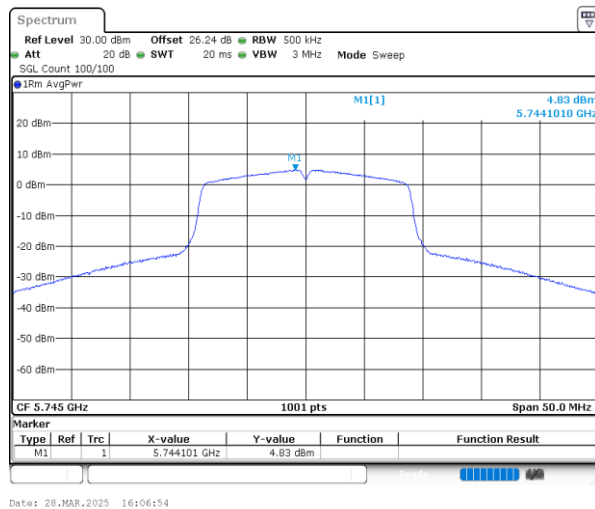
Ant1



<802.11an HT20>

Maximum Power Density Plot (dBm/500kHz)

Ant1

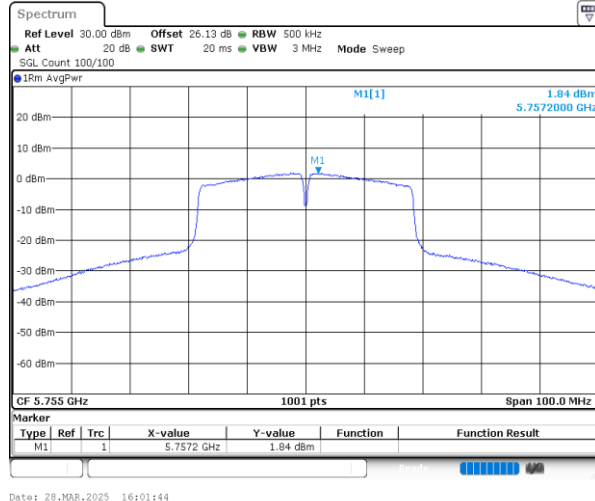




<802.11an HT40>

Maximum Power Density Plot (dBm/500kHz)

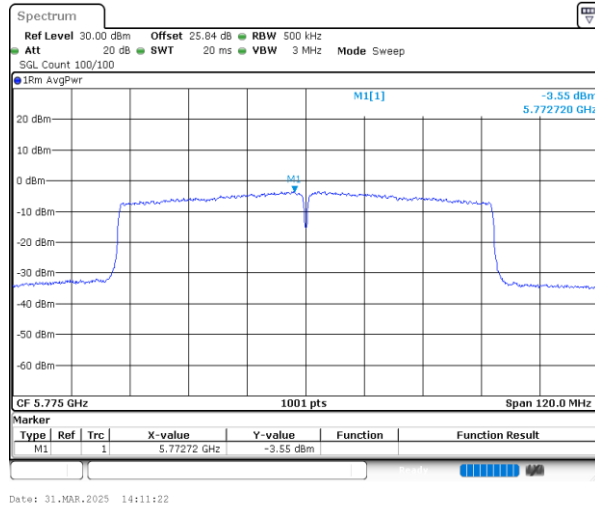
Ant1



<802.11ac VHT80>

Maximum Power Density Plot (dBm/500kHz)

Ant1





Appendix B. AC Conducted Emission Test Results

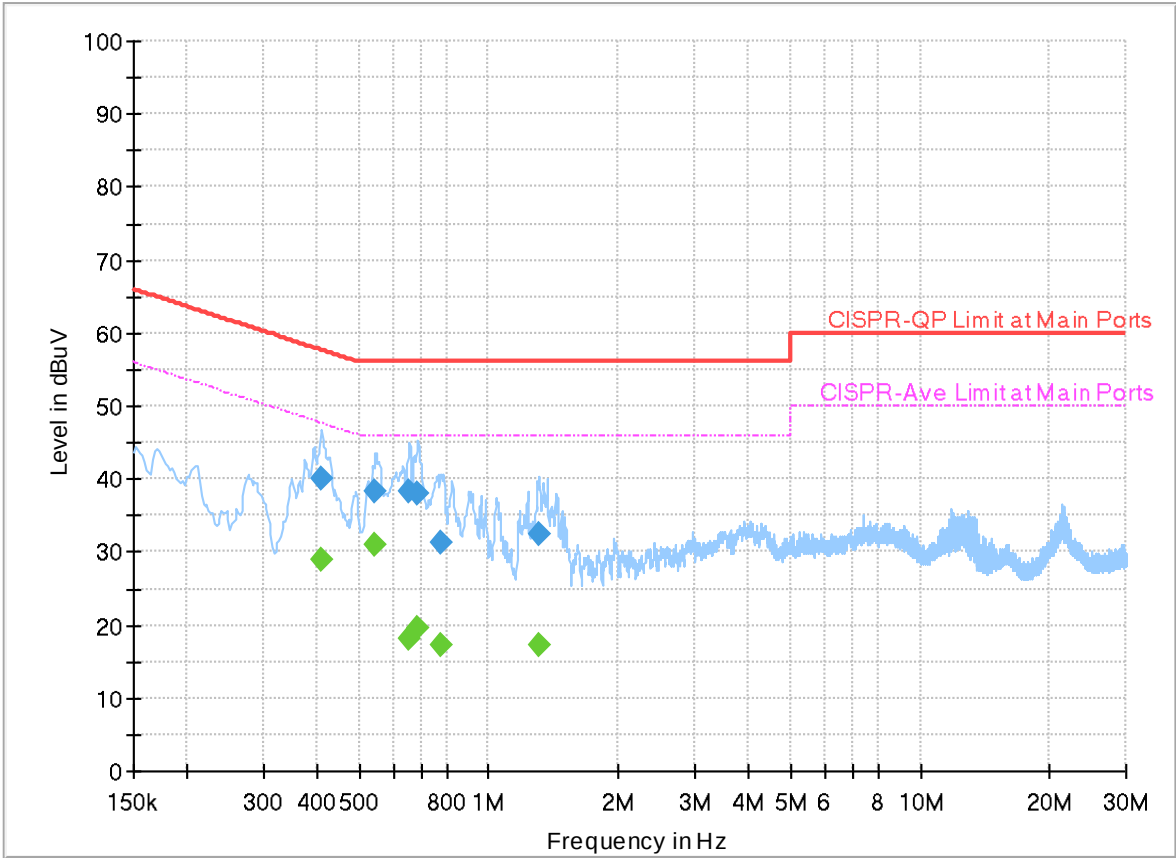
Test Engineer :	Howard Huang	Temperature :	21.2~24.5℃
		Relative Humidity :	50.4~58.2%

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

4D0637
Mode 1
120Vac/60Hz
Line

Full Spectrum



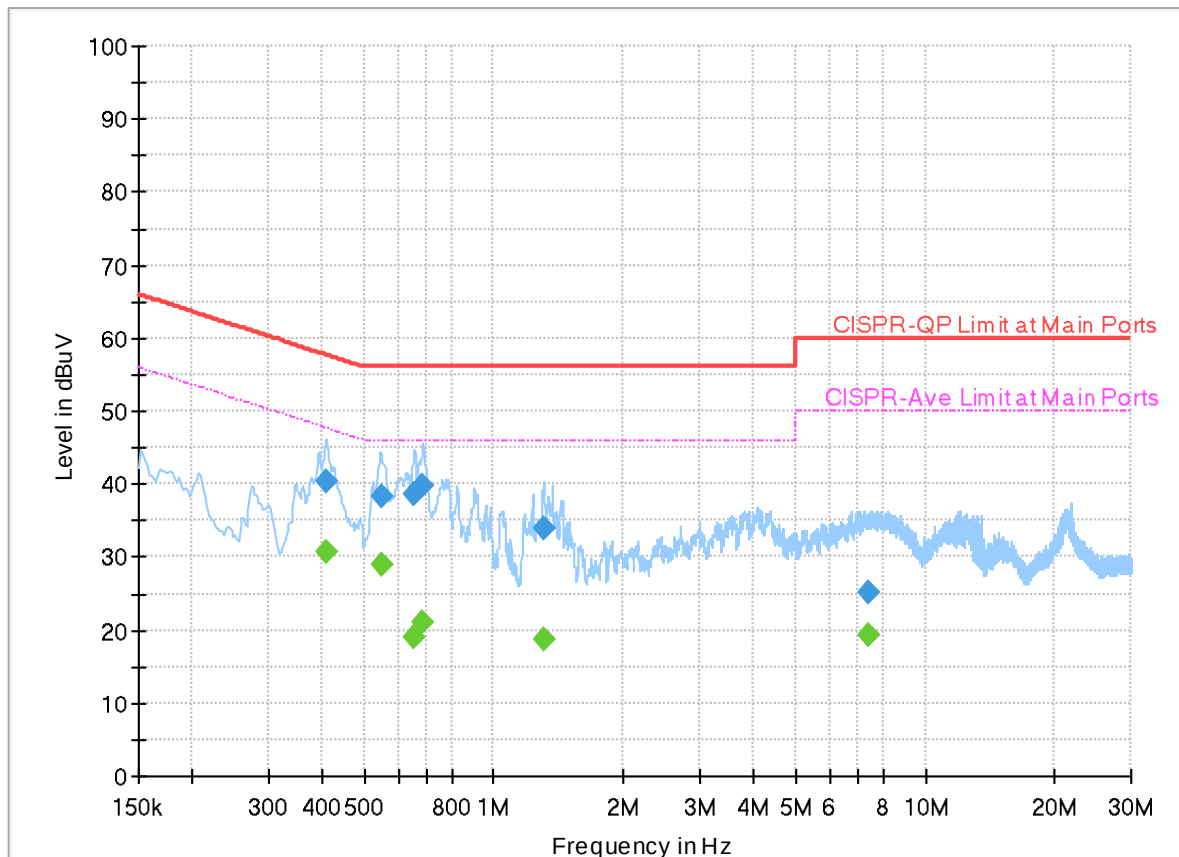
Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.411000	---	29.09	47.63	18.54	L1	FLO	20.0
0.411000	40.10	---	57.63	17.53	L1	FLO	20.0
0.546000	---	31.04	46.00	14.96	L1	FLO	20.0
0.546000	38.24	---	56.00	17.76	L1	FLO	20.0
0.654000	---	18.22	46.00	27.78	L1	FLO	20.0
0.654000	38.17	---	56.00	17.83	L1	FLO	20.0
0.683250	---	19.62	46.00	26.38	L1	FLO	20.0
0.683250	37.89	---	56.00	18.11	L1	FLO	20.0
0.773250	---	17.35	46.00	28.65	L1	FLO	20.0
0.773250	31.21	---	56.00	24.79	L1	FLO	20.0
1.308750	---	17.37	46.00	28.63	L1	FLO	20.0
1.308750	32.50	---	56.00	23.50	L1	FLO	20.0

EUT Information

Report NO : 4D0637
Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.411000	---	30.63	47.63	17.00	N	FLO	20.0
0.411000	40.49	---	57.63	17.14	N	FLO	20.0
0.548250	---	29.06	46.00	16.94	N	FLO	20.0
0.548250	38.35	---	56.00	17.65	N	FLO	20.0
0.654000	---	19.05	46.00	26.95	N	FLO	20.0
0.654000	38.66	---	56.00	17.34	N	FLO	20.0
0.683250	---	21.07	46.00	24.93	N	FLO	20.0
0.683250	39.66	---	56.00	16.34	N	FLO	20.0
1.306500	---	18.61	46.00	27.39	N	FLO	20.0
1.306500	33.78	---	56.00	22.22	N	FLO	20.0
7.352250	---	19.19	50.00	30.81	N	FLO	20.3
7.352250	25.22	---	60.00	34.78	N	FLO	20.3



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai and Sam Chou	Temperature :	19.3~22.7°C
		Relative Humidity :	64.8~70.3%

Note symbol

-L	Low channel location
-R	High channel location

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 36	U-NII-3	5.725-5.85	4	802.11a	149	5745	6Mbps	-	-
Mode 37	U-NII-3	5.725-5.85	4	802.11a	157	5785	6Mbps	-	-
Mode 38	U-NII-3	5.725-5.85	4	802.11a	165	5825	6Mbps	-	-
Mode 39	U-NII-3	5.725-5.85	4	802.11n HT20	149	5745	MCS0	-	-
Mode 40	U-NII-3	5.725-5.85	4	802.11n HT20	157	5785	MCS0	-	-
Mode 41	U-NII-3	5.725-5.85	4	802.11n HT20	165	5825	MCS0	-	-
Mode 42	U-NII-3	5.725-5.85	4	802.11n HT40	151	5755	MCS0	-	-
Mode 43	U-NII-3	5.725-5.85	4	802.11n HT40	159	5795	MCS0	-	-
Mode 44	U-NII-3	5.725-5.85	4	802.11ac VHT80	155	5775	MCS0	-	-
Mode 45	U-NII-3	5.725-5.85	4	802.11ac VHT80	155	5775	MCS0	-	LF



C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
36	802.11a	149	5635.82	50.79	68.20	-17.41	H	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	42.19	54.00	-11.81	H	Avg.	Pass	-	Harmonic
37	802.11a	157	5949.34	51.04	68.20	-17.16	H	Peak	Pass	-	Band Edge
	802.11a	157	11570.00	41.80	54.00	-12.20	V	Avg.	Pass	-	Harmonic
38	802.11a	165	5932.75	52.25	68.20	-15.95	H	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	41.68	54.00	-12.32	H	Avg.	Pass	-	Harmonic
39	802.11n HT20	149	5650.17	50.33	68.33	-18.00	H	Peak	Pass	-	Band Edge
	802.11n HT20	149	11490.00	42.18	54.00	-11.82	V	Avg.	Pass	-	Harmonic
40	802.11n HT20	157	5926.08	50.89	68.20	-17.31	H	Peak	Pass	-	Band Edge
	802.11n HT20	157	11570.00	41.69	54.00	-12.31	V	Avg.	Pass	-	Harmonic
41	802.11n HT20	165	5933.63	51.92	68.20	-16.28	H	Peak	Pass	-	Band Edge
	802.11n HT20	165	11650.00	41.66	54.00	-12.34	H	Avg.	Pass	-	Harmonic
42	802.11n HT40	151	5649.14	57.46	68.20	-10.74	H	Peak	Pass	-	Band Edge
	802.11n HT40	151	11510.00	41.98	54.00	-12.02	H	Avg.	Pass	-	Harmonic
43	802.11n HT40	159	5924.12	58.91	68.85	-9.94	H	Peak	Pass	-	Band Edge
	802.11n HT40	159	17385.00	55.54	68.20	-12.66	V	Peak	Pass	-	Harmonic
44	802.11ac VHT80	155	5926.90	62.33	68.20	-5.87	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	11550.00	41.59	54.00	-12.41	H	Avg.	Pass	-	Harmonic
45	LF	155	84.32	29.76	40.00	-10.24	V	QP	Pass	-	LF

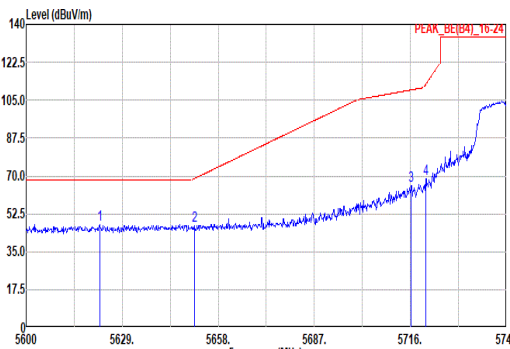
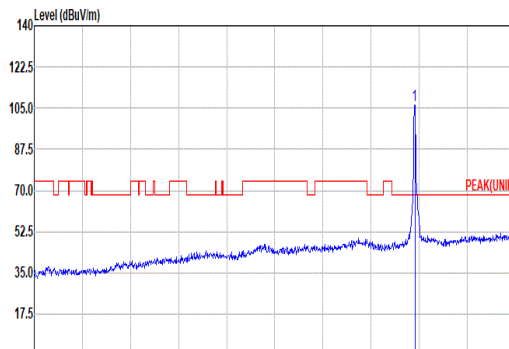
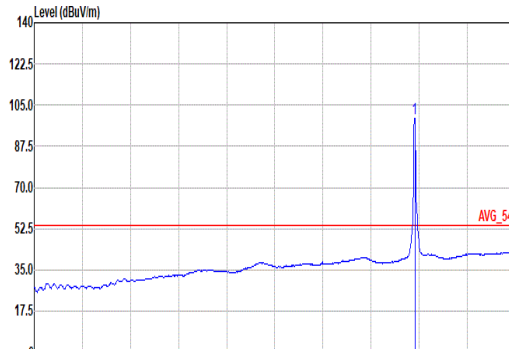


Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
42	802.11n HT40	151	5649.14	57.46	68.20	-10.74	H	Peak	Pass	-	Band Edge
	802.11n HT40	151	11510.00	41.98	54.00	-12.02	H	Avg.	Pass	-	Harmonic
43	802.11n HT40	159	5924.12	58.91	68.85	-9.94	H	Peak	Pass	-	Band Edge
	802.11n HT40	159	17385.00	55.54	68.20	-12.66	V	Peak	Pass	-	Harmonic
44	802.11ac VHT80	155	5926.90	62.33	68.20	-5.87	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	11550.00	41.59	54.00	-12.41	H	Avg.	Pass	-	Harmonic
46	LF	155	84.32	29.76	40.00	-10.24	V	QP	Pass	-	LF

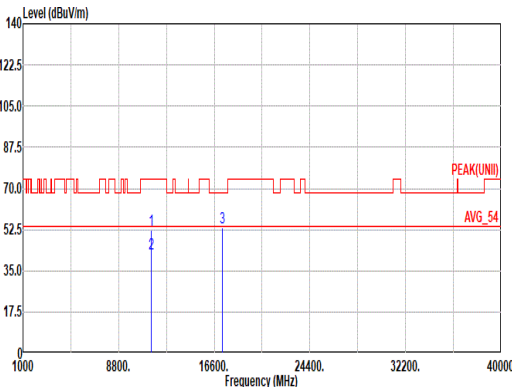
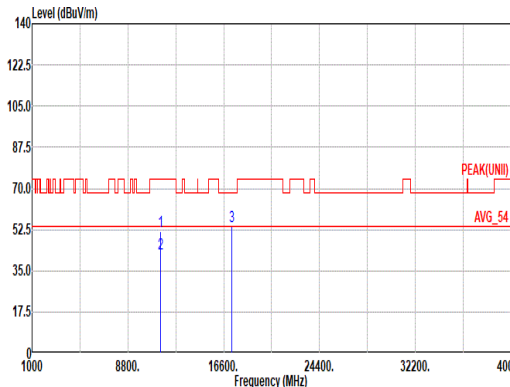


Mode	36																																																																																																																																								
	Band Edge																																																																																																																																								
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz																																																																																																																																								
ANT	4																																																																																																																																								
Pol.	Horizontal						Fundamental																																																																																																																																		
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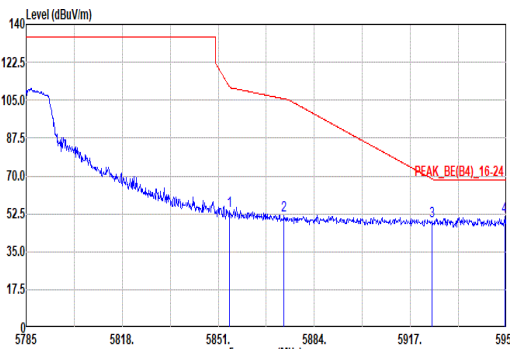


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	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz												
ANT	4												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	52.45	74.00	-21.55	35.59	39.20	19.41	42.47	0.72	121	54	PEAK	
2	11490.00	42.19	54.00	-11.81	25.33	39.20	19.41	42.47	0.72	121	54	Average	
3	17235.00	53.49	68.20	-14.71	33.95	39.57	23.98	44.61	0.60	--	--	PEAK	
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	51.83	74.00	-22.17	34.97	39.20	19.41	42.47	0.72	166	36	PEAK	
2	11490.00	42.18	54.00	-11.82	25.32	39.20	19.41	42.47	0.72	166	36	Average	
3	17235.00	53.65	68.20	-14.55	34.11	39.57	23.98	44.61	0.60	--	--	PEAK	

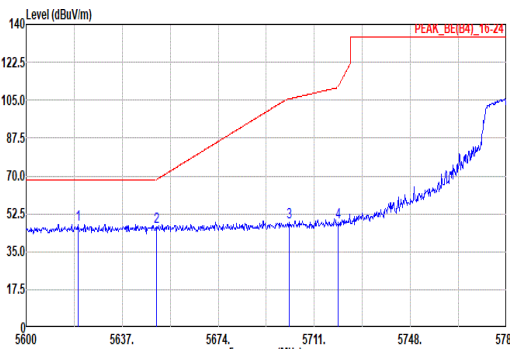
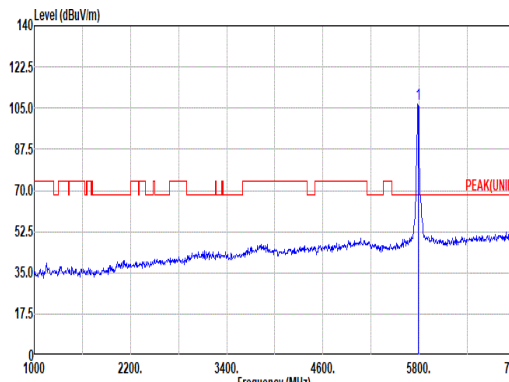
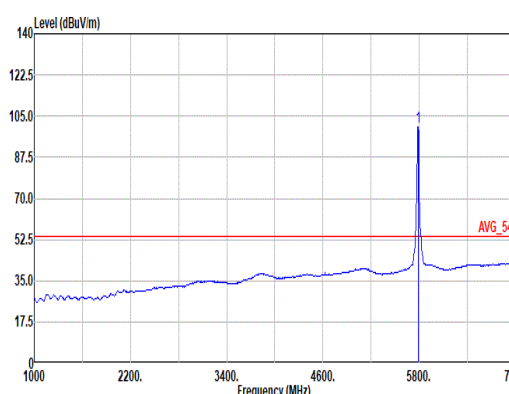


Mode	37																																																																																																																																										
	Band Edge - L																																																																																																																																										
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz																																																																																																																																										
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1	5617.58	50.31	68.20	-17.89	41.79	33.07	13.36	37.91	0.00	100	225	PEAK																																																																																																																															
2	5658.32	47.87	68.44	-20.57	39.18	33.20	13.41	37.92	0.00	100	225	PEAK																																																																																																																															
3	5700.64	51.08	105.38	-54.30	41.92	33.60	13.48	37.92	0.00	100	225	PEAK																																																																																																																															
4	5720.62	55.91	112.21	-56.30	46.69	33.64	13.50	37.92	0.00	100	225	PEAK																																																																																																																															
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Avg	Blank						Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5785.00</td><td>105.40</td><td>-----</td><td>-----</td><td>95.73</td><td>34.00</td><td>13.59</td><td>37.92</td><td>0.00</td><td>100</td><td>225</td><td>AVERAGE</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5785.00	105.40	-----	-----	95.73	34.00	13.59	37.92	0.00	100	225	AVERAGE																																																																																			
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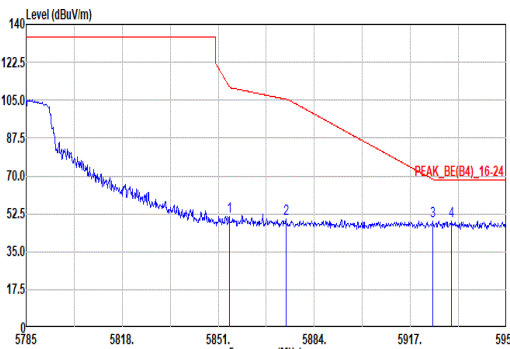


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Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5854.96</td><td>53.91</td><td>110.89</td><td>-56.98</td><td>43.85</td><td>34.30</td><td>13.68</td><td>37.92</td><td>0.00</td><td>100</td><td>225</td><td>PEAK</td></tr><tr><td>2</td><td>5873.61</td><td>52.02</td><td>105.59</td><td>-53.57</td><td>41.93</td><td>34.30</td><td>13.71</td><td>37.92</td><td>0.00</td><td>100</td><td>225</td><td>PEAK</td></tr><tr><td>3</td><td>5924.43</td><td>49.03</td><td>68.62</td><td>-19.59</td><td>38.88</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00</td><td>100</td><td>225</td><td>PEAK</td></tr><tr><td>4</td><td>5949.34</td><td>51.04</td><td>68.20</td><td>-17.16</td><td>40.86</td><td>34.30</td><td>13.81</td><td>37.93</td><td>0.00</td><td>100</td><td>225</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5854.96	53.91	110.89	-56.98	43.85	34.30	13.68	37.92	0.00	100	225	PEAK	2	5873.61	52.02	105.59	-53.57	41.93	34.30	13.71	37.92	0.00	100	225	PEAK	3	5924.43	49.03	68.62	-19.59	38.88	34.30	13.78	37.93	0.00	100	225	PEAK	4	5949.34	51.04	68.20	-17.16	40.86	34.30	13.81	37.93	0.00	100	225	PEAK	Blank
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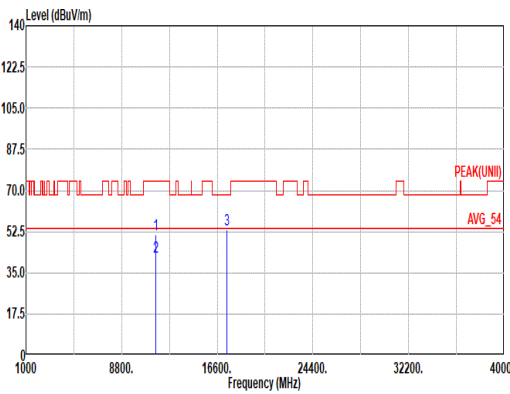
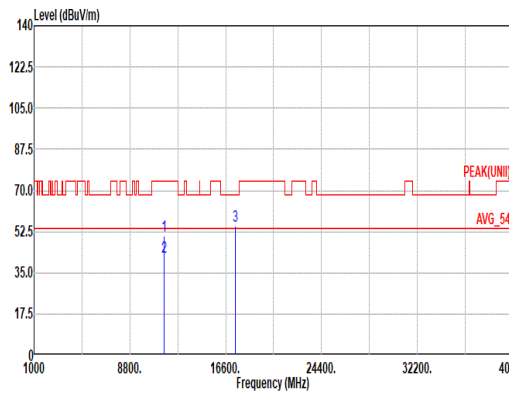


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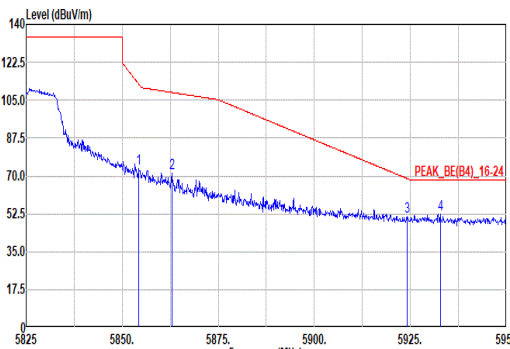
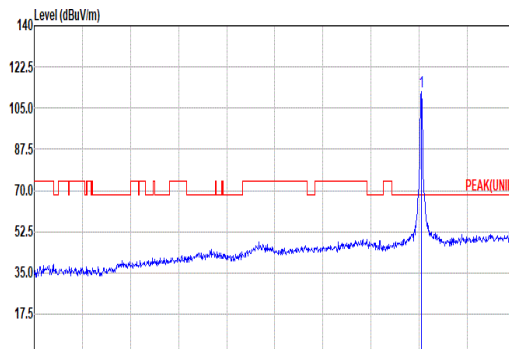
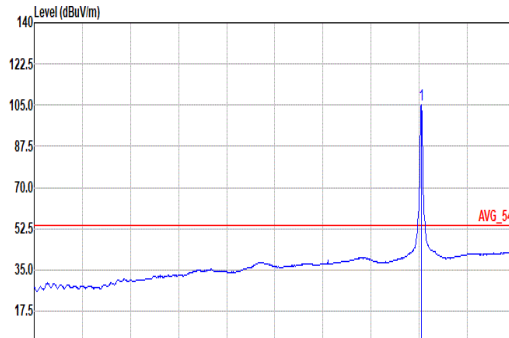


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	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL							Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL																		
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	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
	1	11570.00	51.01	74.00	-22.99	34.53	38.82	19.48	42.53	0.71	141	315	PEAK	1	11570.00	50.82	74.00	-23.18	34.34	38.82	19.48	42.53	0.71	256	28	PEAK
	2	11570.00	41.78	54.00	-12.22	25.30	38.82	19.48	42.53	0.71	141	315	Average	2	11570.00	41.80	54.00	-12.20	25.32	38.82	19.48	42.53	0.71	256	28	Average
	3	17355.00	53.52	68.20	-14.68	33.72	39.82	24.07	44.71	0.62	--	--	PEAK	3	17355.00	54.77	68.20	-13.43	34.97	39.82	24.07	44.71	0.62	--	--	PEAK

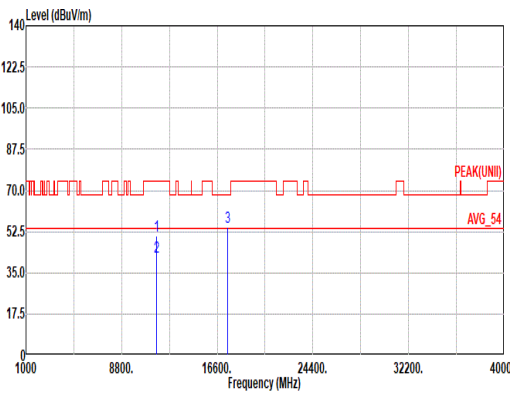
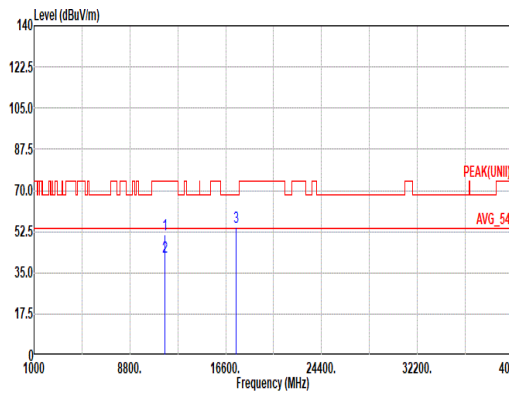


Mode	38																																																																																																																									
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Avg	Blank						 Site : 03CH20-HY Condition: AVG 54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr></thead><tbody><tr><td>1</td><td>5825.00</td><td>105.27</td><td>-----</td><td>-----</td><td>95.35</td><td>34.20</td><td>13.64</td><td>37.92</td><td>0.00 101 223 AVERAGE</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5825.00	105.27	-----	-----	95.35	34.20	13.64	37.92	0.00 101 223 AVERAGE																																																																						
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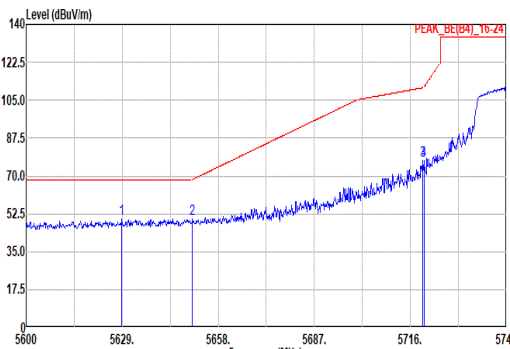
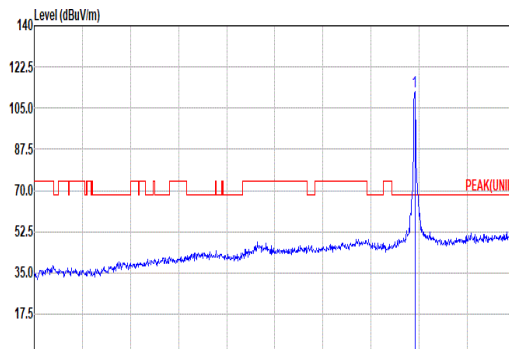
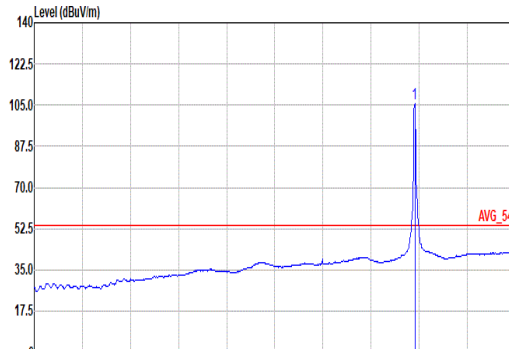


Mode	38																																																																																																																																									
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Avg	Blank						Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5825.00</td><td>100.25</td><td>-----</td><td>-----</td><td>90.33</td><td>34.20</td><td>13.64</td><td>37.92</td><td>0.00</td><td>100</td><td>298</td><td>AVERAGE</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5825.00	100.25	-----	-----	90.33	34.20	13.64	37.92	0.00	100	298	AVERAGE																																																																																			
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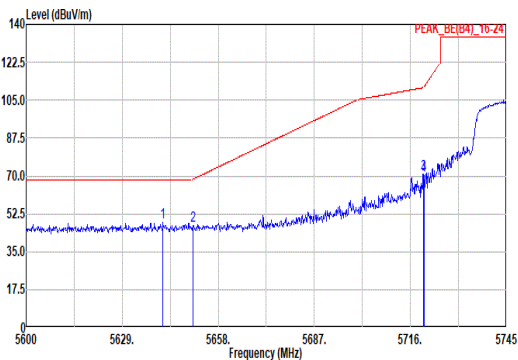
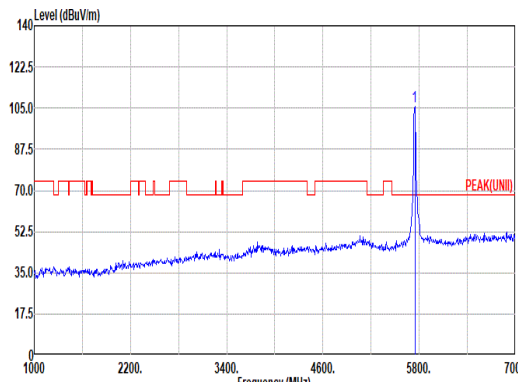
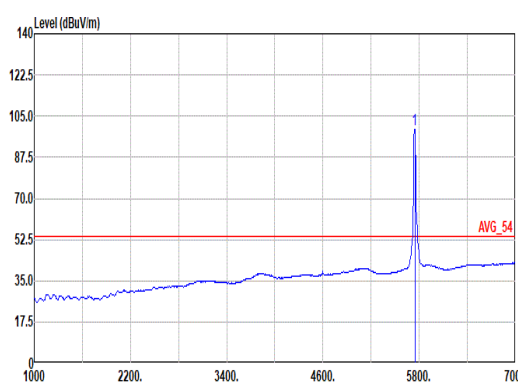


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ANT	4																									
Pol.	Horizontal							Vertical																		
Peak Avg																										
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL							Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL																		
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	50.56	74.00	-23.44	34.21	38.70	19.55	42.60	0.70	154	66	PEAK		1	11650.00	51.00	74.00	-23.00	34.65	38.70	19.55	42.60	0.70	112	159	PEAK
2	11650.00	41.68	54.00	-12.32	25.33	38.70	19.55	42.60	0.70	154	66	Average		2	11650.00	41.47	54.00	-12.53	25.12	38.70	19.55	42.60	0.70	112	159	Average
3	17475.00	54.58	68.20	-13.62	34.49	40.10	24.16	44.81	0.64	--	--	PEAK		3	17475.00	54.56	68.20	-13.64	34.47	40.10	24.16	44.81	0.64	--	--	PEAK

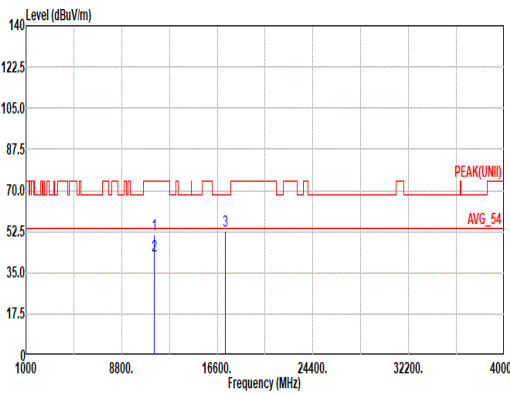
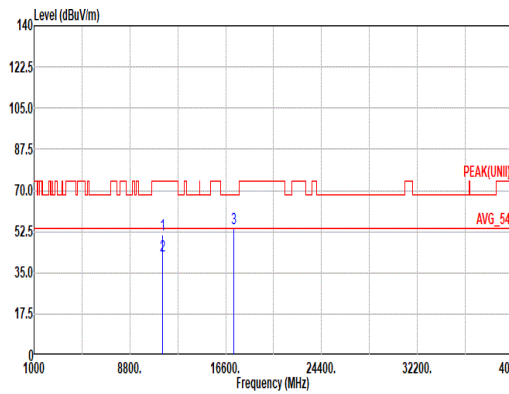


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Pol.	Horizontal					Fundamental																																																																																																																		
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5628.86</td><td>50.16</td><td>68.20</td><td>-18.04</td><td>41.58</td><td>33.12</td><td>13.38</td><td>37.92</td><td>0.00 102 222 PEAK</td></tr><tr><td>2</td><td>5658.17</td><td>50.33</td><td>68.33</td><td>-18.00</td><td>41.64</td><td>33.20</td><td>13.41</td><td>37.92</td><td>0.00 102 222 PEAK</td></tr><tr><td>3</td><td>5719.63</td><td>76.95</td><td>110.70</td><td>-33.75</td><td>67.73</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00 102 222 PEAK</td></tr><tr><td>4</td><td>5720.06</td><td>77.34</td><td>110.94</td><td>-33.60</td><td>68.12</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00 102 222 PEAK</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5628.86	50.16	68.20	-18.04	41.58	33.12	13.38	37.92	0.00 102 222 PEAK	2	5658.17	50.33	68.33	-18.00	41.64	33.20	13.41	37.92	0.00 102 222 PEAK	3	5719.63	76.95	110.70	-33.75	67.73	33.64	13.50	37.92	0.00 102 222 PEAK	4	5720.06	77.34	110.94	-33.60	68.12	33.64	13.50	37.92	0.00 102 222 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5745.00</td><td>112.00</td><td>-----</td><td>-----</td><td>102.69</td><td>33.69</td><td>13.54</td><td>37.92</td><td>0.00 102 222 PEAK</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5745.00	112.00	-----	-----	102.69	33.69	13.54	37.92	0.00 102 222 PEAK
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																															
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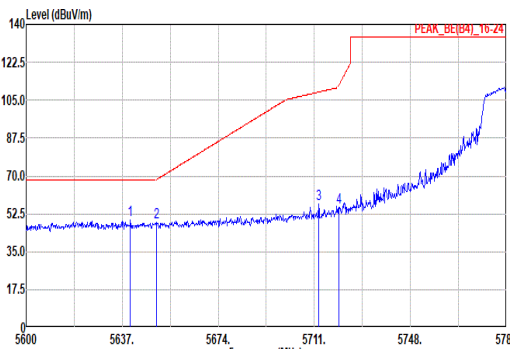
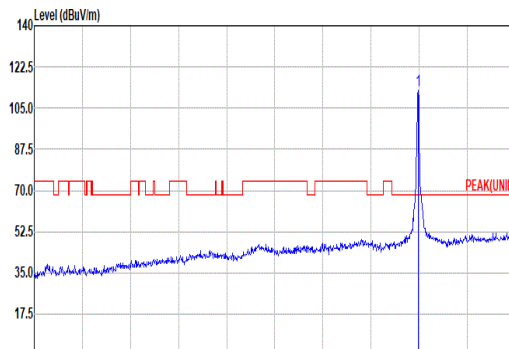
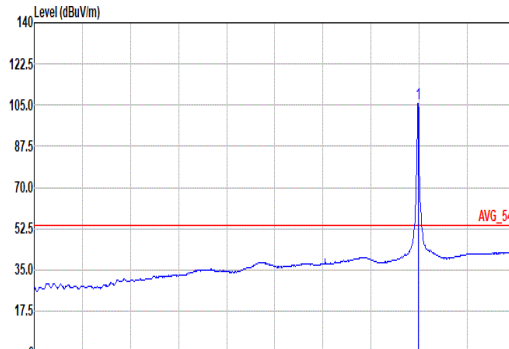


	39																																																																																																																																										
Mode	Band Edge																																																																																																																																										
	U-NII-3_5.725-5.85_802.11n HT20_CH149_5745MHz																																																																																																																																										
ANT	4																																																																																																																																										
Pol.	Vertical						Fundamental																																																																																																																																				
Peak	 Level (dBuV/m) Frequency (MHz) PEAK_BE(B4)_16-24 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5641.33</td><td>48.50</td><td>68.20</td><td>-19.70</td><td>39.85</td><td>33.17</td><td>13.40</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>PEAK</td></tr><tr><td>2</td><td>5650.32</td><td>47.19</td><td>68.43</td><td>-21.24</td><td>38.50</td><td>33.20</td><td>13.41</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>PEAK</td></tr><tr><td>3</td><td>5719.92</td><td>70.90</td><td>110.78</td><td>-39.88</td><td>61.68</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>PEAK</td></tr><tr><td>4</td><td>5720.06</td><td>70.21</td><td>110.94</td><td>-40.73</td><td>60.99</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>PEAK</td></tr></table>  Level (dBuV/m) Frequency (MHz) PEAK(UNII) Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5745.00</td><td>105.59</td><td>-----</td><td>-----</td><td>96.28</td><td>33.69</td><td>13.54</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>PEAK</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5641.33	48.50	68.20	-19.70	39.85	33.17	13.40	37.92	0.00	100	297	PEAK	2	5650.32	47.19	68.43	-21.24	38.50	33.20	13.41	37.92	0.00	100	297	PEAK	3	5719.92	70.90	110.78	-39.88	61.68	33.64	13.50	37.92	0.00	100	297	PEAK	4	5720.06	70.21	110.94	-40.73	60.99	33.64	13.50	37.92	0.00	100	297	PEAK		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	105.59	-----	-----	96.28	33.69	13.54	37.92	0.00	100	297	PEAK
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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2	5650.32	47.19	68.43	-21.24	38.50	33.20	13.41	37.92	0.00	100	297	PEAK																																																																																																																															
3	5719.92	70.90	110.78	-39.88	61.68	33.64	13.50	37.92	0.00	100	297	PEAK																																																																																																																															
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1	5745.00	105.59	-----	-----	96.28	33.69	13.54	37.92	0.00	100	297	PEAK																																																																																																																															
Avg	Blank  Level (dBuV/m) Frequency (MHz) AVG_54 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5745.00</td><td>99.52</td><td>-----</td><td>-----</td><td>90.21</td><td>33.69</td><td>13.54</td><td>37.92</td><td>0.00</td><td>100</td><td>297</td><td>AVERAGE</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	99.52	-----	-----	90.21	33.69	13.54	37.92	0.00	100	297	AVERAGE																																																																																			
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1	5745.00	99.52	-----	-----	90.21	33.69	13.54	37.92	0.00	100	297	AVERAGE																																																																																																																															

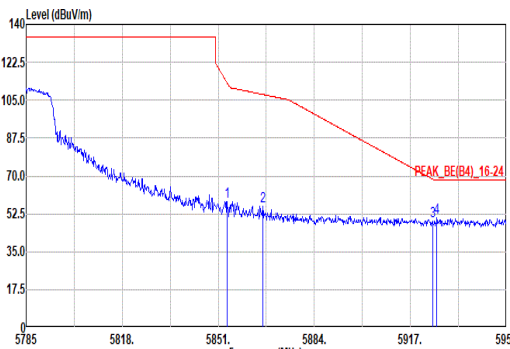


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	U-NII-3_5.725-5.85_802.11n HT20_CH149_5745MHz												
ANT	4												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
	1	11490.00	51.25	74.00	-22.75	34.39	39.20	19.41	42.47	0.72	154	57	PEAK
	2	11490.00	42.09	54.00	-11.91	25.23	39.20	19.41	42.47	0.72	154	57	Average
	3	17235.00	53.06	68.20	-15.14	33.52	39.57	23.98	44.61	0.60	--	--	PEAK
	1	11490.00	51.37	74.00	-22.63	34.51	39.20	19.41	42.47	0.72	315	248	PEAK
	2	11490.00	42.18	54.00	-11.82	25.32	39.20	19.41	42.47	0.72	315	248	Average
	3	17235.00	53.75	68.20	-14.45	34.21	39.57	23.98	44.61	0.60	--	--	PEAK

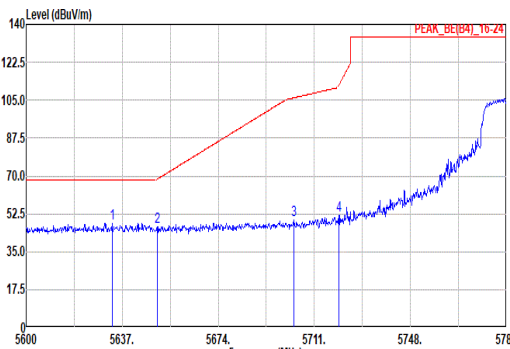
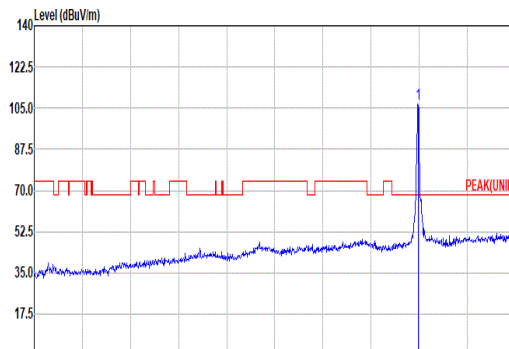
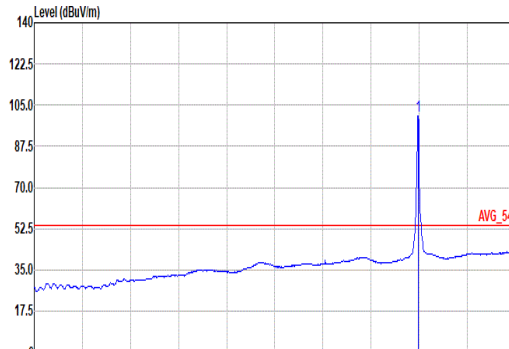


Mode	40																																																																																																																																										
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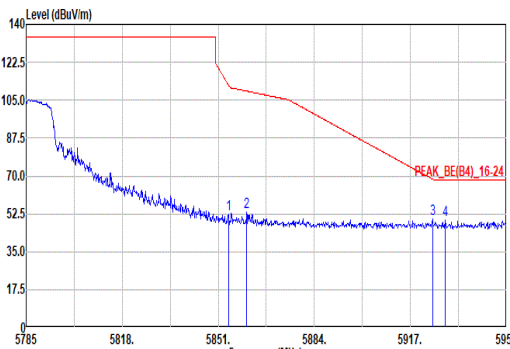


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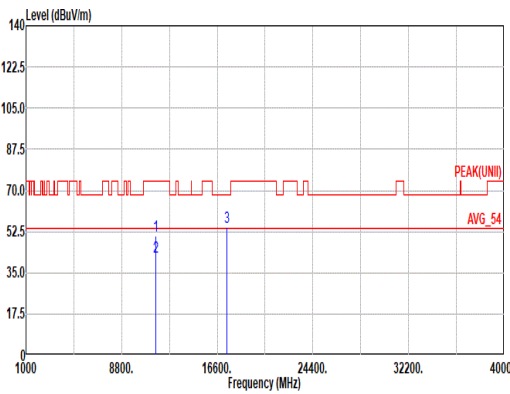
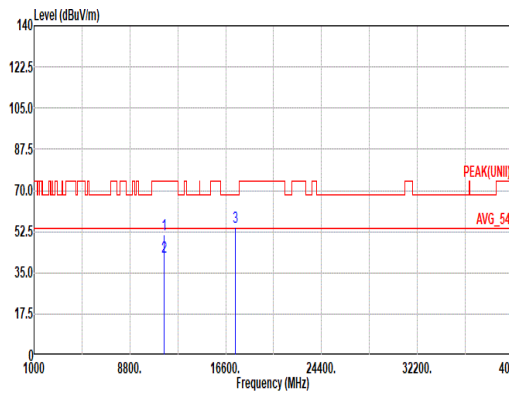


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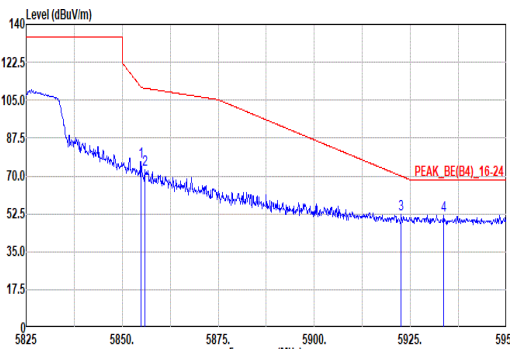
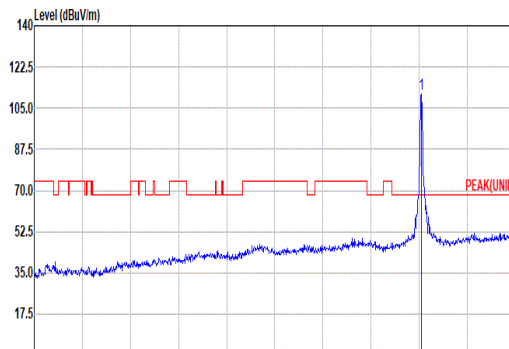
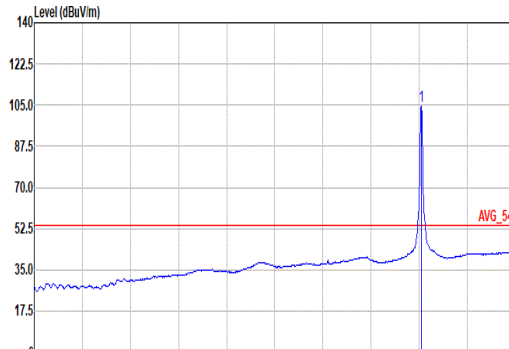


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Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5854.47</td><td>52.16</td><td>112.02</td><td>-59.86</td><td>42.10</td><td>34.30</td><td>13.68</td><td>37.92</td><td>0.00 100 298 PEAK</td></tr><tr><td>2</td><td>5868.74</td><td>53.30</td><td>109.19</td><td>-55.89</td><td>43.23</td><td>34.30</td><td>13.69</td><td>37.92</td><td>0.00 100 298 PEAK</td></tr><tr><td>3</td><td>5924.59</td><td>50.85</td><td>68.50</td><td>-18.45</td><td>39.90</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00 100 298 PEAK</td></tr><tr><td>4</td><td>5929.05</td><td>49.56</td><td>68.20</td><td>-18.64</td><td>39.41</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00 100 298 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5854.47	52.16	112.02	-59.86	42.10	34.30	13.68	37.92	0.00 100 298 PEAK	2	5868.74	53.30	109.19	-55.89	43.23	34.30	13.69	37.92	0.00 100 298 PEAK	3	5924.59	50.85	68.50	-18.45	39.90	34.30	13.78	37.93	0.00 100 298 PEAK	4	5929.05	49.56	68.20	-18.64	39.41	34.30	13.78	37.93	0.00 100 298 PEAK	Blank
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																															
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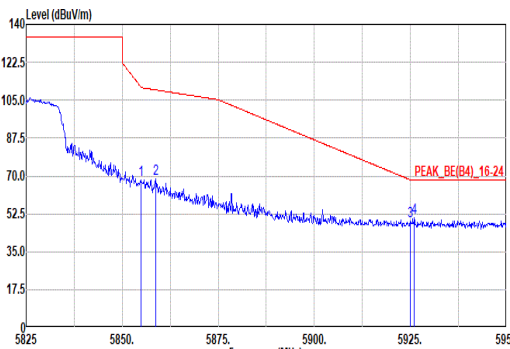
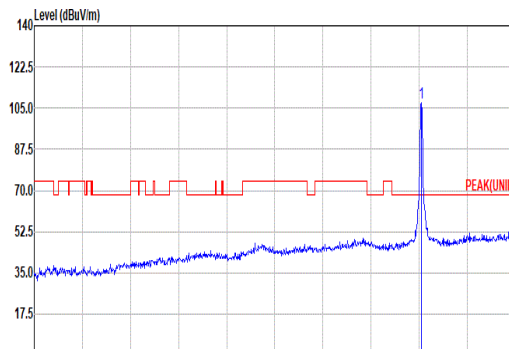
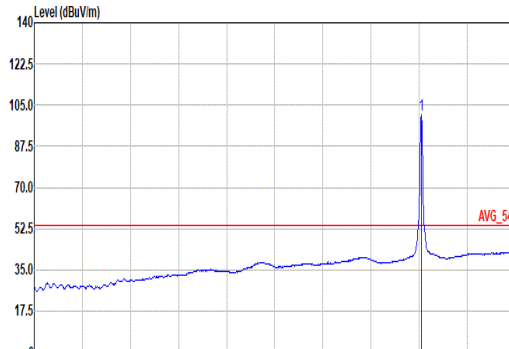


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ANT	4												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	50.94	74.00	-23.06	34.46	38.82	19.48	42.53	0.71	315	66	PEAK	
2	11570.00	41.65	54.00	-12.35	25.17	38.82	19.48	42.53	0.71	315	66	Average	
3	17355.00	54.34	68.20	-13.86	34.54	39.82	24.07	44.71	0.62	--	--	PEAK	
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	51.25	74.00	-22.75	34.77	38.82	19.48	42.53	0.71	154	99	PEAK	
2	11570.00	41.69	54.00	-12.31	25.21	38.82	19.48	42.53	0.71	154	99	Average	
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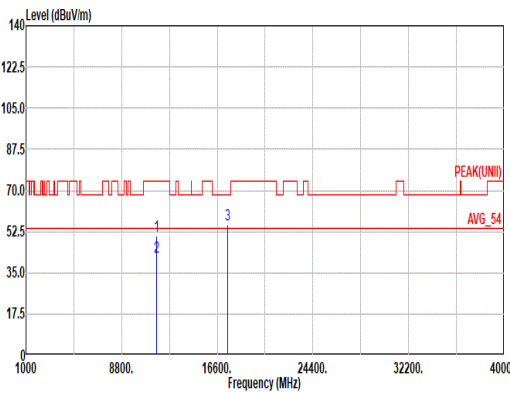
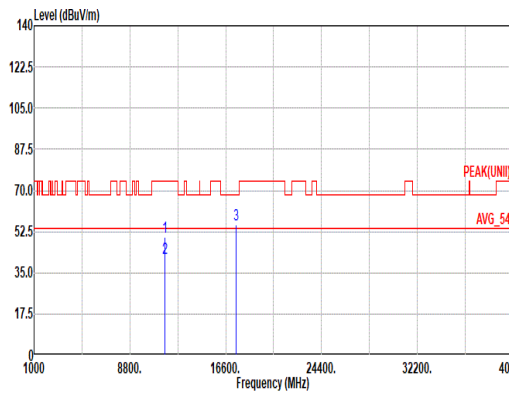


Mode	41																																																																																																																																										
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Avg	Blank						 Site : 03CH20-HY Condition: AVG 54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5825.00</td><td>104.75</td><td>-----</td><td>-----</td><td>94.83</td><td>34.20</td><td>13.64</td><td>37.92</td><td>0.00</td><td>100</td><td>224</td><td>AVERAGE</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	5825.00	104.75	-----	-----	94.83	34.20	13.64	37.92	0.00	100	224	AVERAGE																																																																																			
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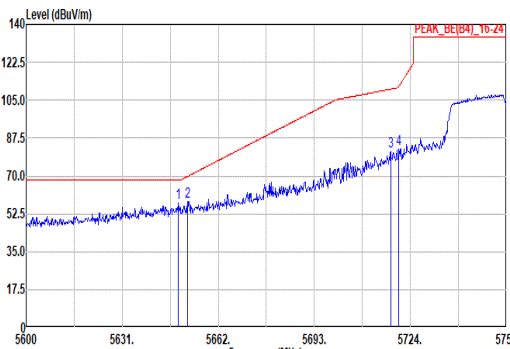
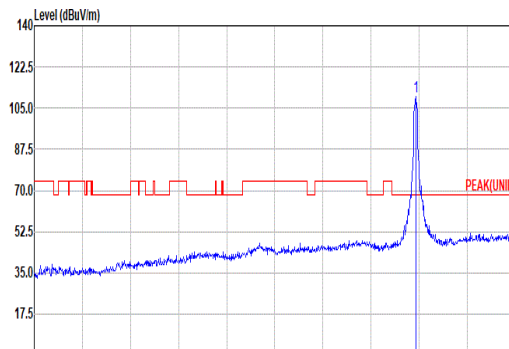
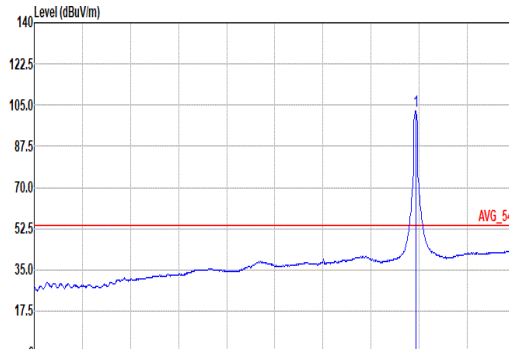


Mode	41																																																																																																																							
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Peak	 Level (dBuV/m) Frequency (MHz) Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5854.88</td><td>67.89</td><td>111.08</td><td>-43.19</td><td>57.83</td><td>34.30</td><td>13.68</td><td>37.92</td><td>0.00 100 299 PEAK</td></tr><tr><td>2</td><td>5858.75</td><td>68.55</td><td>109.75</td><td>-41.20</td><td>58.48</td><td>34.30</td><td>13.69</td><td>37.92</td><td>0.00 100 299 PEAK</td></tr><tr><td>3</td><td>5924.88</td><td>49.02</td><td>68.29</td><td>-19.27</td><td>38.87</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00 100 299 PEAK</td></tr><tr><td>4</td><td>5926.00</td><td>50.49</td><td>68.20</td><td>-17.71</td><td>40.34</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00 100 299 PEAK</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5854.88	67.89	111.08	-43.19	57.83	34.30	13.68	37.92	0.00 100 299 PEAK	2	5858.75	68.55	109.75	-41.20	58.48	34.30	13.69	37.92	0.00 100 299 PEAK	3	5924.88	49.02	68.29	-19.27	38.87	34.30	13.78	37.93	0.00 100 299 PEAK	4	5926.00	50.49	68.20	-17.71	40.34	34.30	13.78	37.93	0.00 100 299 PEAK	 Level (dBuV/m) Frequency (MHz) Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5825.00</td><td>107.34</td><td>-----</td><td>-----</td><td>97.42</td><td>34.20</td><td>13.64</td><td>37.92</td><td>0.00 100 299 PEAK</td></tr></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5825.00	107.34	-----	-----	97.42	34.20	13.64	37.92	0.00 100 299 PEAK
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1	5825.00	100.79	-----	-----	90.87	34.20	13.64	37.92	0.00 100 299 AVERAGE																																																																																																															

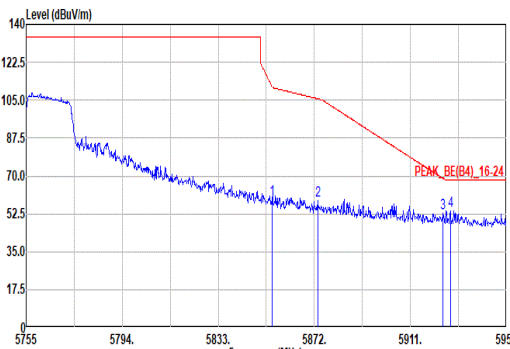


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ANT	4												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	50.70	74.00	-23.30	34.35	38.70	19.55	42.60	0.70	315	35	PEAK	
2	11650.00	41.66	54.00	-12.34	25.31	38.70	19.55	42.60	0.70	315	35	Average	
3	17475.00	55.38	68.20	-12.82	35.29	40.10	24.16	44.81	0.64	--	--	PEAK	
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11650.00	50.22	74.00	-23.78	33.87	38.70	19.55	42.60	0.70	164	88	PEAK	
2	11650.00	41.46	54.00	-12.54	25.11	38.70	19.55	42.60	0.70	164	88	Average	
3	17475.00	55.66	68.20	-12.54	35.57	40.10	24.16	44.81	0.64	--	--	PEAK	

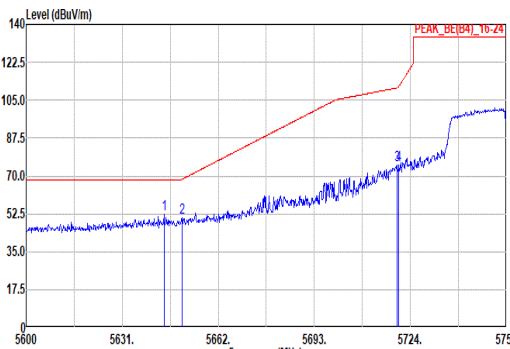
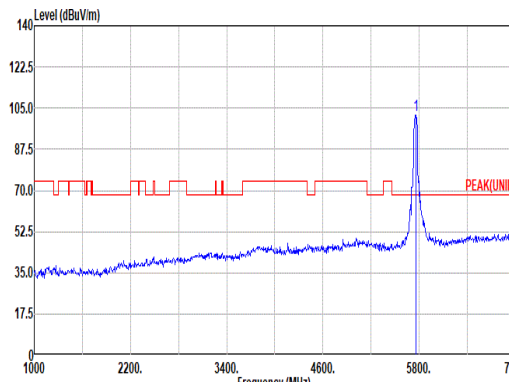
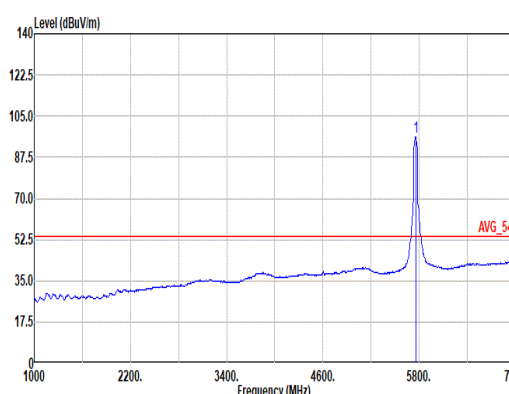


Mode	42																																																																																																																																								
	Band Edge - L																																																																																																																																								
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz																																																																																																																																								
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Pol.	Horizontal						Fundamental																																																																																																																																		
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5649.14</td><td>57.46</td><td>68.20</td><td>-10.74</td><td>48.77</td><td>33.20</td><td>13.41</td><td>37.92</td><td>0.00</td><td>100</td><td>221</td><td>PEAK</td></tr><tr><td>2</td><td>5652.08</td><td>58.20</td><td>69.75</td><td>-11.55</td><td>49.49</td><td>33.22</td><td>13.41</td><td>37.92</td><td>0.00</td><td>100</td><td>221</td><td>PEAK</td></tr><tr><td>3</td><td>5717.65</td><td>81.24</td><td>110.14</td><td>-28.90</td><td>72.02</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>221</td><td>PEAK</td></tr><tr><td>4</td><td>5720.28</td><td>82.52</td><td>111.44</td><td>-28.92</td><td>73.30</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>221</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	1	5649.14	57.46	68.20	-10.74	48.77	33.20	13.41	37.92	0.00	100	221	PEAK	2	5652.08	58.20	69.75	-11.55	49.49	33.22	13.41	37.92	0.00	100	221	PEAK	3	5717.65	81.24	110.14	-28.90	72.02	33.64	13.50	37.92	0.00	100	221	PEAK	4	5720.28	82.52	111.44	-28.92	73.30	33.64	13.50	37.92	0.00	100	221	PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level</th><th>Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5755.00</td><td>110.04</td><td>-----</td><td>-----</td><td>100.65</td><td>33.76</td><td>13.55</td><td>37.92</td><td>0.00</td><td>100</td><td>221</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level	Factor	Loss Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dB/m	dB	dB	cm	deg	1	5755.00	110.04	-----	-----	100.65	33.76	13.55	37.92	0.00	100	221	PEAK
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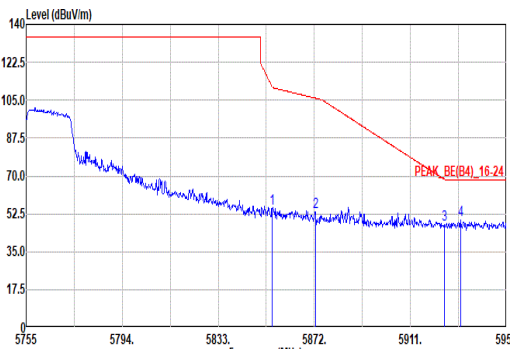


Mode	42																																																																																				
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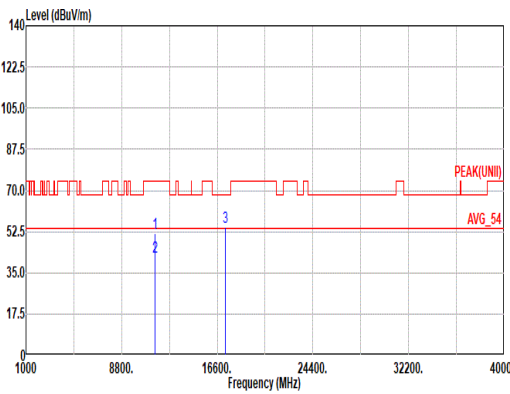
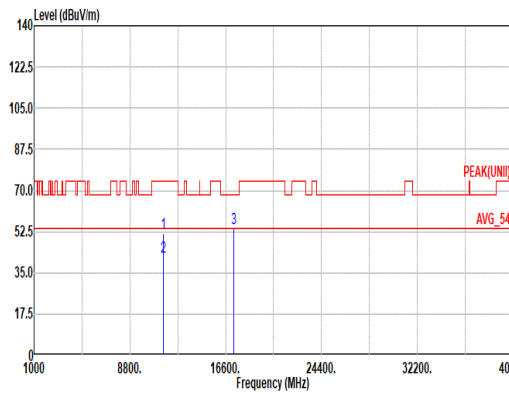


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1	5755.00	102.04	-----	-----	92.69	33.72	13.55	37.92	0.00	100	292	PEAK																																																																																																																													
Avg	Blank						 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:1.600kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5755.00</td><td>96.24</td><td>-----</td><td>-----</td><td>86.89</td><td>33.72</td><td>13.55</td><td>37.92</td><td>0.00</td><td>100</td><td>292</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5755.00	96.24	-----	-----	86.89	33.72	13.55	37.92	0.00	100	292	AVERAGE																																																																																		
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																
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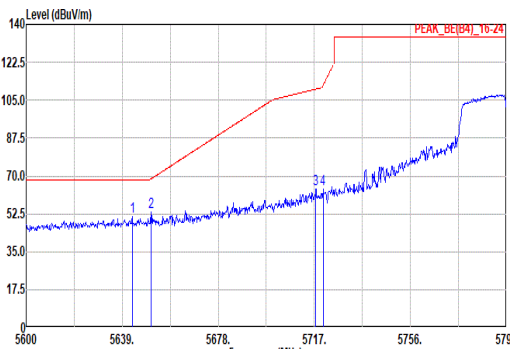
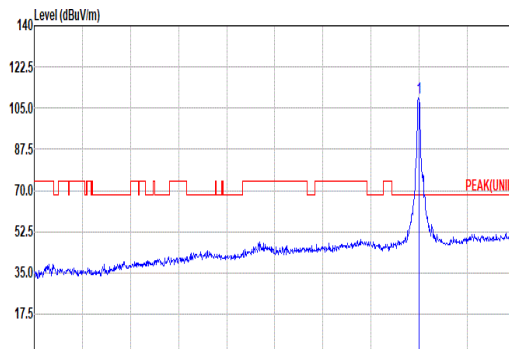
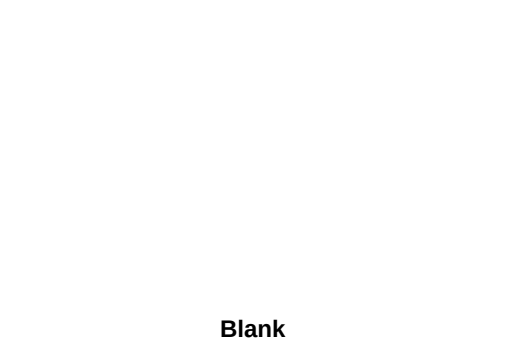
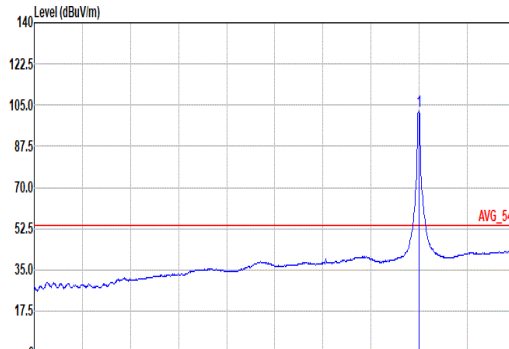


Mode	42																																																																																				
	Band Edge - R																																																																																				
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz																																																																																				
ANT	4																																																																																				
Pol.	Vertical	Fundamental																																																																																			
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5854.84</td><td>55.18</td><td>111.17</td><td>-55.99</td><td>45.12</td><td>34.30</td><td>13.68</td><td>37.92</td><td>0.00</td><td>100</td><td>292</td><td>PEAK</td></tr><tr><td>2</td><td>5872.39</td><td>53.61</td><td>105.93</td><td>-52.32</td><td>43.52</td><td>34.30</td><td>13.71</td><td>37.92</td><td>0.00</td><td>100</td><td>292</td><td>PEAK</td></tr><tr><td>3</td><td>5924.85</td><td>47.58</td><td>68.31</td><td>-20.73</td><td>37.43</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00</td><td>100</td><td>292</td><td>PEAK</td></tr><tr><td>4</td><td>5931.28</td><td>49.45</td><td>68.20</td><td>-18.75</td><td>39.29</td><td>34.30</td><td>13.79</td><td>37.93</td><td>0.00</td><td>100</td><td>292</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	cm	deg	1	5854.84	55.18	111.17	-55.99	45.12	34.30	13.68	37.92	0.00	100	292	PEAK	2	5872.39	53.61	105.93	-52.32	43.52	34.30	13.71	37.92	0.00	100	292	PEAK	3	5924.85	47.58	68.31	-20.73	37.43	34.30	13.78	37.93	0.00	100	292	PEAK	4	5931.28	49.45	68.20	-18.75	39.29	34.30	13.79	37.93	0.00	100	292	PEAK	Blank
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																													
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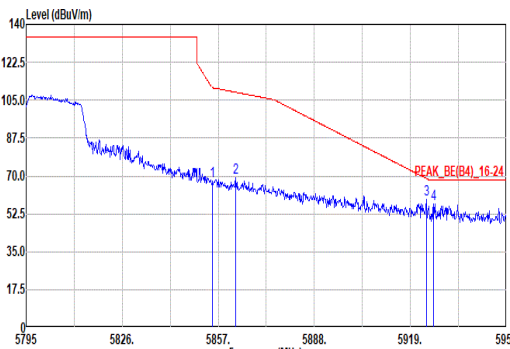


Mode	42												
	Harmonic												
	U-NII-3_5.725-5.85_802.11n HT40_CH151_5755MHz												
ANT	4												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
	1	11510.00	51.61	74.00	-22.39	34.82	39.14	19.42	42.49	0.72	111	56	PEAK
	2	11510.00	41.98	54.00	-12.02	25.19	39.14	19.42	42.49	0.72	111	56	Average
	3	17265.00	54.46	68.20	-13.74	34.88	39.60	24.00	44.63	0.61	--	--	PEAK
	1	11510.00	51.64	74.00	-22.36	34.85	39.14	19.42	42.49	0.72	154	56	PEAK
	2	11510.00	41.91	54.00	-12.09	25.12	39.14	19.42	42.49	0.72	154	56	Average
	3	17265.00	53.74	68.20	-14.46	34.16	39.60	24.00	44.63	0.61	--	--	PEAK



Mode	43																																																																																																																																										
	Band Edge - L																																																																																																																																										
	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz																																																																																																																																										
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Pol.	Horizontal						Fundamental																																																																																																																																				
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5643.10</td><td>51.21</td><td>68.20</td><td>-16.99</td><td>42.56</td><td>33.17</td><td>13.40</td><td>37.92</td><td>0.00</td><td>100</td><td>222</td><td>PEAK</td></tr><tr><td>2</td><td>5650.70</td><td>53.30</td><td>68.72</td><td>-15.42</td><td>44.60</td><td>33.21</td><td>13.41</td><td>37.92</td><td>0.00</td><td>100</td><td>222</td><td>PEAK</td></tr><tr><td>3</td><td>5717.59</td><td>64.13</td><td>110.12</td><td>-45.99</td><td>54.91</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>222</td><td>PEAK</td></tr><tr><td>4</td><td>5720.51</td><td>64.00</td><td>111.96</td><td>-47.96</td><td>54.78</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>222</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5643.10	51.21	68.20	-16.99	42.56	33.17	13.40	37.92	0.00	100	222	PEAK	2	5650.70	53.30	68.72	-15.42	44.60	33.21	13.41	37.92	0.00	100	222	PEAK	3	5717.59	64.13	110.12	-45.99	54.91	33.64	13.50	37.92	0.00	100	222	PEAK	4	5720.51	64.00	111.96	-47.96	54.78	33.64	13.50	37.92	0.00	100	222	PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5795.00</td><td>109.22</td><td>-----</td><td>-----</td><td>99.55</td><td>34.00</td><td>13.59</td><td>37.92</td><td>0.00</td><td>100</td><td>222</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5795.00	109.22	-----	-----	99.55	34.00	13.59	37.92	0.00	100	222	PEAK
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																		
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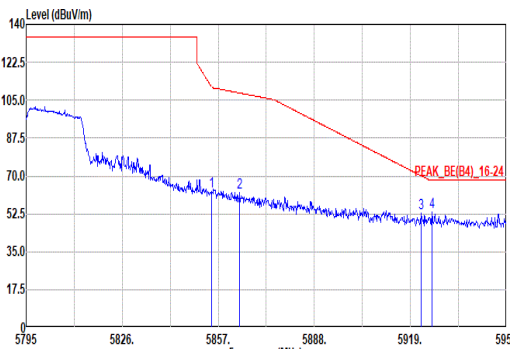


Mode	43																																																																																			
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	U-NII-3_5.725-5.85_802.11n HT40_CH159_5795MHz																																																																																			
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3	5924.12	58.91	68.85	-9.94	48.76	34.30	13.78	37.93	0.00	100	222	PEAK																																																																								
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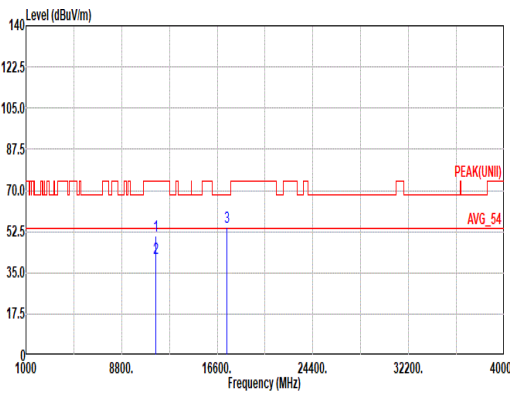
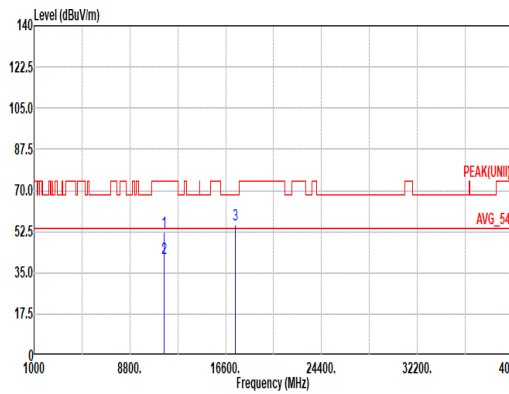


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Peak	Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5637.64</td><td>47.75</td><td>68.20</td><td>-20.45</td><td>39.13</td><td>33.15</td><td>13.39</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>PEAK</td></tr><tr><td>2</td><td>5651.68</td><td>47.72</td><td>69.44</td><td>-21.72</td><td>39.02</td><td>33.21</td><td>13.41</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>PEAK</td></tr><tr><td>3</td><td>5718.95</td><td>59.73</td><td>110.51</td><td>-50.78</td><td>50.51</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>PEAK</td></tr><tr><td>4</td><td>5720.12</td><td>55.12</td><td>111.07</td><td>-55.95</td><td>45.90</td><td>33.64</td><td>13.50</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5637.64	47.75	68.20	-20.45	39.13	33.15	13.39	37.92	0.00	100	287	PEAK	2	5651.68	47.72	69.44	-21.72	39.02	33.21	13.41	37.92	0.00	100	287	PEAK	3	5718.95	59.73	110.51	-50.78	50.51	33.64	13.50	37.92	0.00	100	287	PEAK	4	5720.12	55.12	111.07	-55.95	45.90	33.64	13.50	37.92	0.00	100	287	PEAK	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5795.00</td><td>104.16</td><td>-----</td><td>-----</td><td>94.43</td><td>34.05</td><td>13.60</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5795.00	104.16	-----	-----	94.43	34.05	13.60	37.92	0.00	100	287	PEAK
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Avg	Blank						Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:1.600kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5795.00</td><td>96.99</td><td>-----</td><td>-----</td><td>87.26</td><td>34.05</td><td>13.60</td><td>37.92</td><td>0.00</td><td>100</td><td>287</td><td>AVERAGE</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line Margin	Level Factor	Loss Factor	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5795.00	96.99	-----	-----	87.26	34.05	13.60	37.92	0.00	100	287	AVERAGE																																																																																		
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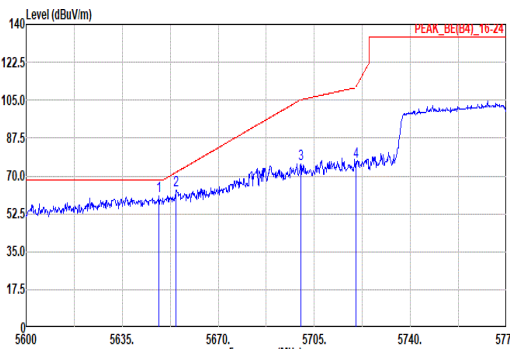
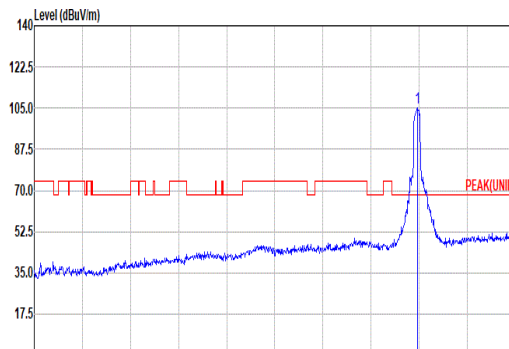
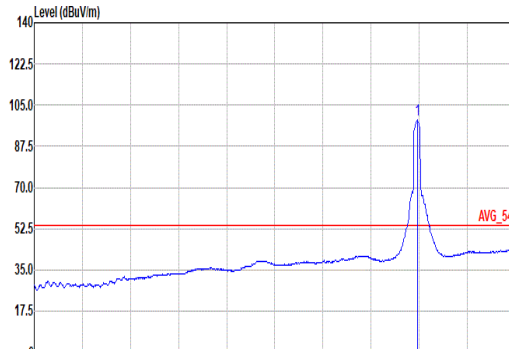


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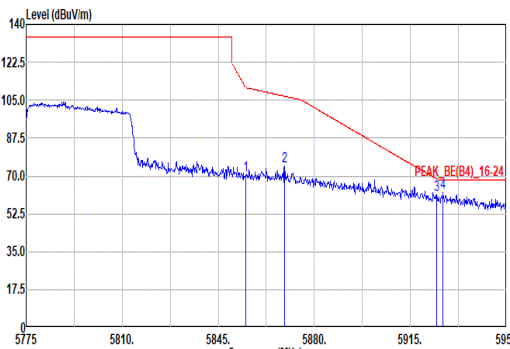


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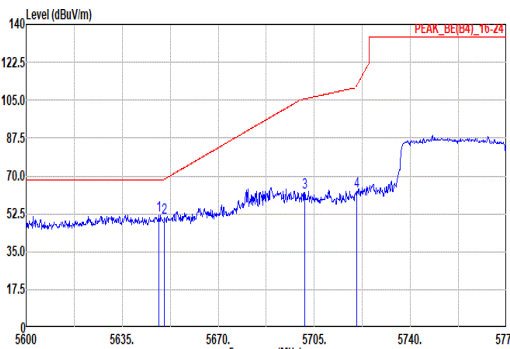
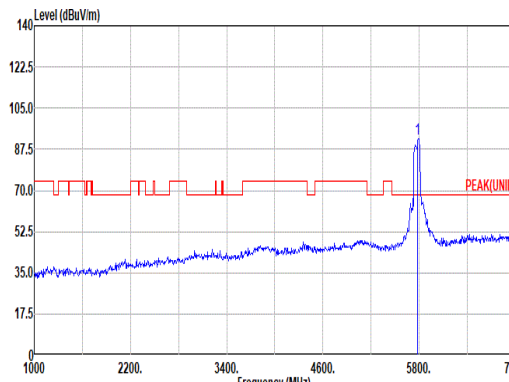
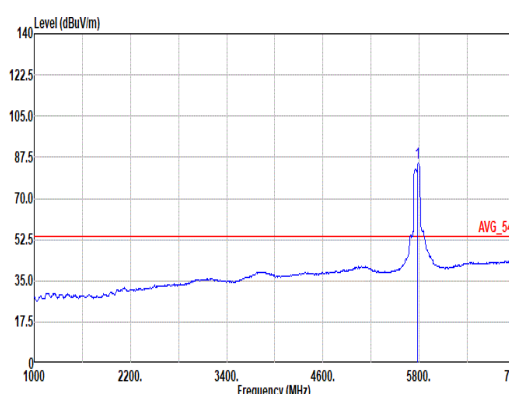


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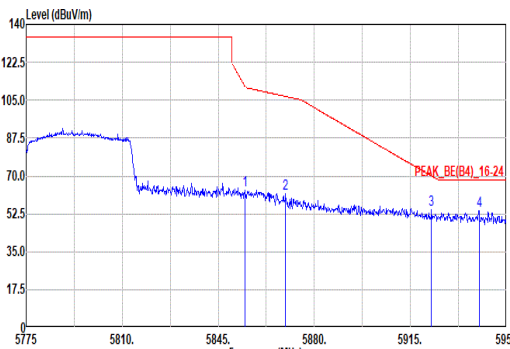


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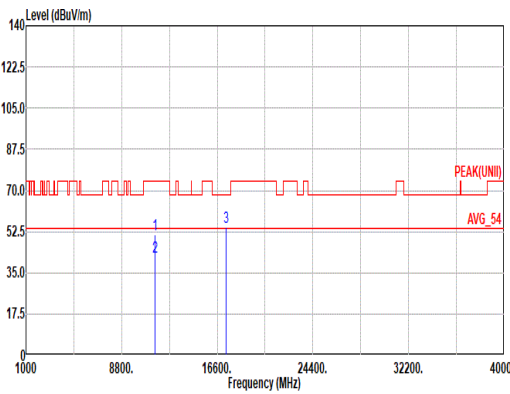
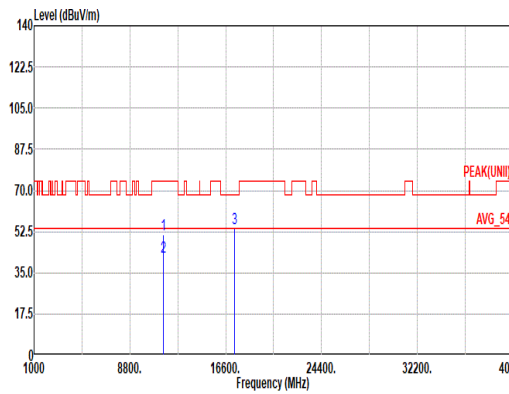


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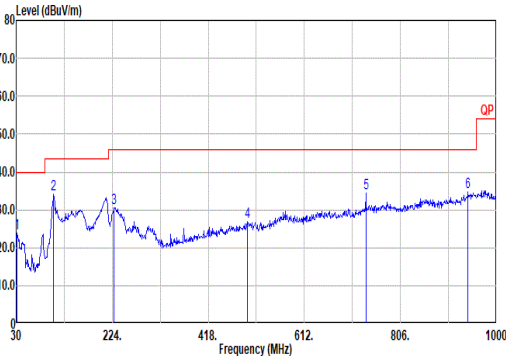
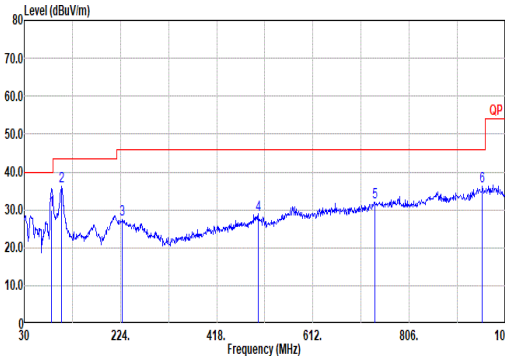


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Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5854.63</td><td>63.15</td><td>111.65</td><td>-48.50</td><td>53.09</td><td>34.30</td><td>13.68</td><td>37.92</td><td>0.00</td><td>100</td><td>223</td><td>PEAK</td></tr><tr><td>2</td><td>5869.58</td><td>62.06</td><td>106.74</td><td>-44.68</td><td>51.98</td><td>34.30</td><td>13.70</td><td>37.92</td><td>0.00</td><td>100</td><td>223</td><td>PEAK</td></tr><tr><td>3</td><td>5922.70</td><td>54.31</td><td>69.89</td><td>-15.58</td><td>44.16</td><td>34.30</td><td>13.78</td><td>37.93</td><td>0.00</td><td>100</td><td>223</td><td>PEAK</td></tr><tr><td>4</td><td>5940.03</td><td>53.82</td><td>68.20</td><td>-14.38</td><td>43.65</td><td>34.30</td><td>13.80</td><td>37.93</td><td>0.00</td><td>100</td><td>223</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dB/m	dB	dB	cm	deg	1	5854.63	63.15	111.65	-48.50	53.09	34.30	13.68	37.92	0.00	100	223	PEAK	2	5869.58	62.06	106.74	-44.68	51.98	34.30	13.70	37.92	0.00	100	223	PEAK	3	5922.70	54.31	69.89	-15.58	44.16	34.30	13.78	37.93	0.00	100	223	PEAK	4	5940.03	53.82	68.20	-14.38	43.65	34.30	13.80	37.93	0.00	100	223	PEAK	Blank
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																													
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3	5922.70	54.31	69.89	-15.58	44.16	34.30	13.78	37.93	0.00	100	223	PEAK																																																																									
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Mode	44																									
	Harmonic																									
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz																									
ANT	4																									
Pol.	Horizontal							Vertical																		
Peak Avg																										
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL							Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL																		
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11550.00	51.13	74.00	-22.87	34.58	38.90	19.46	42.52	0.71	400	200	PEAK		1	11550.00	51.41	74.00	-22.59	34.86	38.90	19.46	42.52	0.71	217	0	PEAK
2	11550.00	41.59	54.00	-12.41	25.04	38.90	19.46	42.52	0.71	400	200	Average		2	11550.00	41.52	54.00	-12.48	24.97	38.90	19.46	42.52	0.71	217	0	Average
3	17325.00	54.65	68.20	-13.55	34.96	39.70	24.05	44.68	0.62	--	--	PEAK		3	17325.00	54.00	68.20	-14.20	34.31	39.70	24.05	44.68	0.62	--	--	PEAK



Mode	45																																																																																																																																																																																																																							
	LF																																																																																																																																																																																																																							
	U-NII-3_5.725-5.85_802.11ac VHT80_CH155_5775MHz																																																																																																																																																																																																																							
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Pol.	Horizontal						Vertical																																																																																																																																																																																																																	
QP/ Peak																																																																																																																																																																																																																								
	Site : 03CH20-HY Condition: QP 3m Bilog_55606 & 08_241127 HORIZONTAL						Site : 03CH20-HY Condition: QP 3m Bilog_55606 & 08_241127 VERTICAL																																																																																																																																																																																																																	
	<table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>30.97</td><td>23.74</td><td>40.00</td><td>-16.26</td><td>34.14</td><td>24.12</td><td>0.98</td><td>35.75</td><td>0.25</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>105.66</td><td>34.14</td><td>43.50</td><td>-9.36</td><td>50.89</td><td>16.88</td><td>1.83</td><td>35.67</td><td>0.21</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>227.88</td><td>30.49</td><td>46.00</td><td>-15.51</td><td>47.08</td><td>15.99</td><td>2.68</td><td>35.45</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>496.57</td><td>26.75</td><td>46.00</td><td>-19.25</td><td>33.57</td><td>23.90</td><td>3.93</td><td>34.78</td><td>0.13</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>736.16</td><td>34.42</td><td>46.00</td><td>-11.58</td><td>35.52</td><td>27.90</td><td>4.80</td><td>33.95</td><td>0.15</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>942.77</td><td>34.73</td><td>46.00</td><td>-11.27</td><td>32.08</td><td>30.31</td><td>5.41</td><td>33.18</td><td>0.11</td><td>--</td><td>Peak</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	30.97	23.74	40.00	-16.26	34.14	24.12	0.98	35.75	0.25	--	Peak	2	105.66	34.14	43.50	-9.36	50.89	16.88	1.83	35.67	0.21	--	Peak	3	227.88	30.49	46.00	-15.51	47.08	15.99	2.68	35.45	0.19	--	Peak	4	496.57	26.75	46.00	-19.25	33.57	23.90	3.93	34.78	0.13	--	Peak	5	736.16	34.42	46.00	-11.58	35.52	27.90	4.80	33.95	0.15	--	Peak	6	942.77	34.73	46.00	-11.27	32.08	30.31	5.41	33.18	0.11	--	Peak	<table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>84.32</td><td>29.76</td><td>40.00</td><td>-10.24</td><td>49.68</td><td>13.93</td><td>1.64</td><td>35.70</td><td>0.21</td><td>100</td><td>231 QP</td></tr><tr><td>2</td><td>105.66</td><td>36.25</td><td>43.50</td><td>-7.25</td><td>53.00</td><td>16.88</td><td>1.83</td><td>35.67</td><td>0.21</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>227.88</td><td>27.36</td><td>46.00</td><td>-18.64</td><td>43.95</td><td>15.99</td><td>2.68</td><td>35.45</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>501.42</td><td>28.83</td><td>46.00</td><td>-17.17</td><td>35.54</td><td>23.98</td><td>3.95</td><td>34.77</td><td>0.13</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>736.16</td><td>32.09</td><td>46.00</td><td>-13.91</td><td>33.19</td><td>27.90</td><td>4.80</td><td>33.95</td><td>0.15</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>953.44</td><td>36.21</td><td>46.00</td><td>-9.79</td><td>32.88</td><td>30.94</td><td>5.44</td><td>33.14</td><td>0.09</td><td>--</td><td>Peak</td></tr></tbody></table>						Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	84.32	29.76	40.00	-10.24	49.68	13.93	1.64	35.70	0.21	100	231 QP	2	105.66	36.25	43.50	-7.25	53.00	16.88	1.83	35.67	0.21	--	Peak	3	227.88	27.36	46.00	-18.64	43.95	15.99	2.68	35.45	0.19	--	Peak	4	501.42	28.83	46.00	-17.17	35.54	23.98	3.95	34.77	0.13	--	Peak	5	736.16	32.09	46.00	-13.91	33.19	27.90	4.80	33.95	0.15	--	Peak	6	953.44	36.21	46.00	-9.79	32.88	30.94	5.44	33.14	0.09	--
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																																																																																															
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1	30.97	23.74	40.00	-16.26	34.14	24.12	0.98	35.75	0.25	--	Peak																																																																																																																																																																																																													
2	105.66	34.14	43.50	-9.36	50.89	16.88	1.83	35.67	0.21	--	Peak																																																																																																																																																																																																													
3	227.88	30.49	46.00	-15.51	47.08	15.99	2.68	35.45	0.19	--	Peak																																																																																																																																																																																																													
4	496.57	26.75	46.00	-19.25	33.57	23.90	3.93	34.78	0.13	--	Peak																																																																																																																																																																																																													
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Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	97.48	1392	0.72	750Hz
5GHz 802.11n HT20	97.00	1295	0.77	820Hz
5GHz 802.11n HT40	94.74	648	1.54	1.6KHz
5GHz 802.11ac VHT80	90.25	324	3.09	3.3KHz

