



FCC RADIO TEST REPORT

FCC ID : 2BKSS-L1LA10
Equipment : Wireless Router
Model Name : L1LA10
Applicant : Kuiper Systems LLC
410 Terry Avenue North, Seattle, Washington, United States 98109
Manufacturer : Kuiper Systems LLC
410 Terry Avenue North, Seattle, Washington, United States 98109
Standard : FCC Part 15 Subpart E §15.407

The product was received on May 21, 2024 and testing was performed from Jun. 11, 2024 to Mar. 06, 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
FR452002E	01	Initial issue of report	May 20, 2025
FR452002E	02	Revise Appendix A, Appendix D and Test Mode This report is an updated version, replacing the report issued on May 20, 2025.	Jun. 25, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
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: Alan Liu

Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth-LE, IEEE 802.15.4, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax.		
Antenna Type WLAN: <Ant. 0> : Dipole Antenna <Ant. 1> : Dipole Antenna		
Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	<Ant. 0> :4.26 <Ant. 1> :3.62
Antenna information for Directional Gain		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	<5G_Ant0 + 5G_Ant1> Correlated: 4.2 Uncorrelated: 1.73

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

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, 03CH21-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.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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	159*	5795
	151*	5755	161	5805
	153	5765	163@	5815
	155#	5775	165	5825
	157	5785		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

TX power level on Ant. 1 in SISO mode is same as that in MIMO mode, so measurement in MIMO mode is sufficient to cover its SISO mode. Test has been performed on MIMO mode, and SISO mode on Ant. 0.

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

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

Single Mode

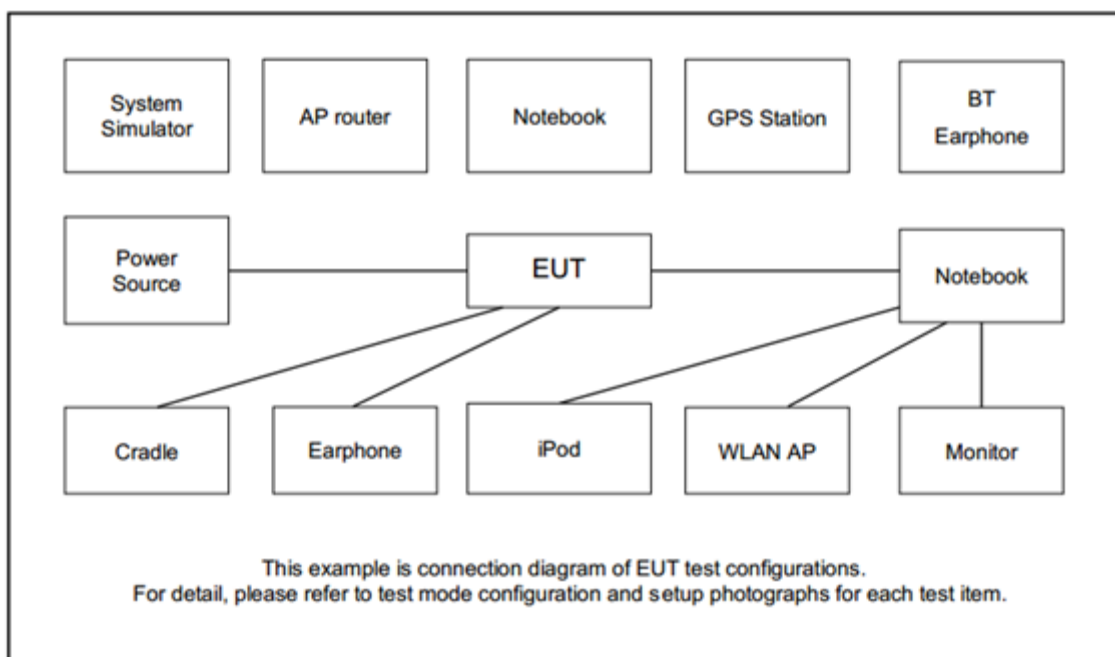
Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

**MIMO Mode**

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Link + WLAN (5GHz) Link + IEEE 802.15.4 Tx + RJ-45 75ft shielded cable (WAN) Link with PD board + RJ-45(LAN) Link + Power cable + PD board with Laptop and dynamic load profile
Remark: 1. The detailed test modes are shown in Appendix C. 2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.	

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.	Notebook	DELL	P79G	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
2.	Notebook	HP	81DE	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
3.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
4.	Notebook	MSI	MS-17L3	FCC DoC	N/A	AC I/P : Unshielded, 1.2m DC O/P : Shielded, 1.8m
5.	Electronic POE load	BK PRECISION	8602B	N/A	N/A	Unshielded, 1.8m



2.5 EUT Operation Test Setup

The RF test items, utility “Putty Release0.62” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

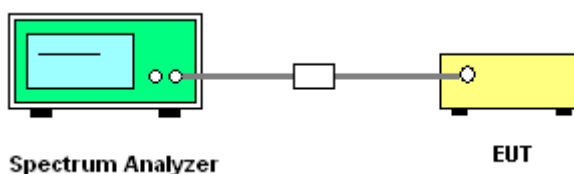
3.1.2 Measuring Instruments

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.

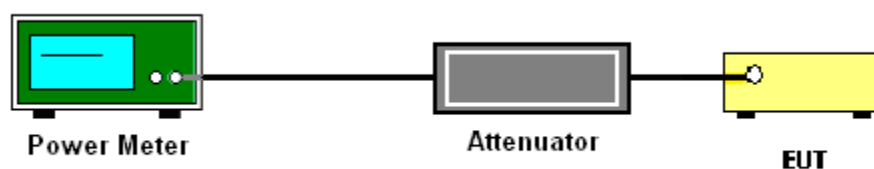
3.2.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

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

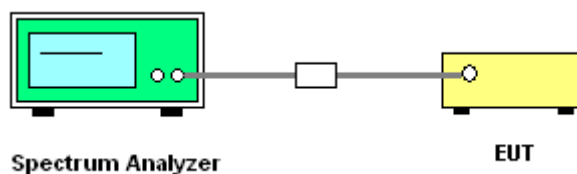
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 300kHz.
 - Set VBW ≥ 1 MHz.
 - Add $10 \log(500 \text{ kHz/RBW})$ 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. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add $10 \log(N_{\text{ANT}}) \text{ dB}$.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}}) \text{ dB}$ is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}}) \text{ dB}$ serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

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

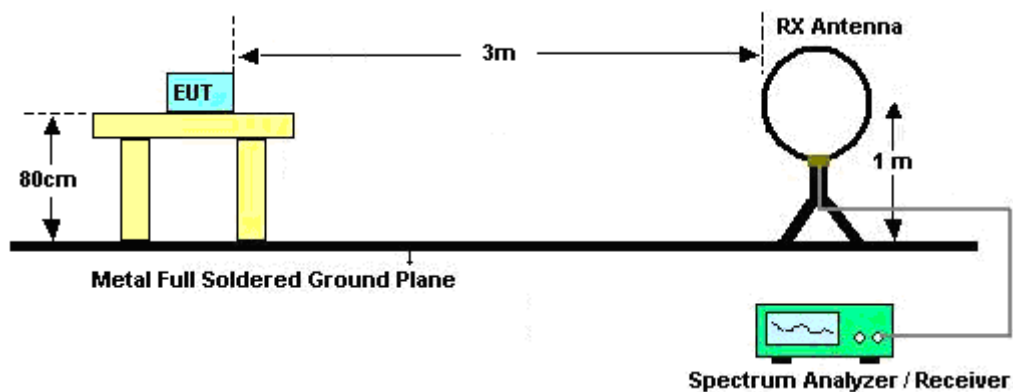
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- a) RBW = 1 MHz.
- b) VBW $\geq$ $[3 \times \text{RBW}]$.
- c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq \text{RBW} / 2$. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
- d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
- e) Sweep time = auto.
- f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of $1 / D$, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)

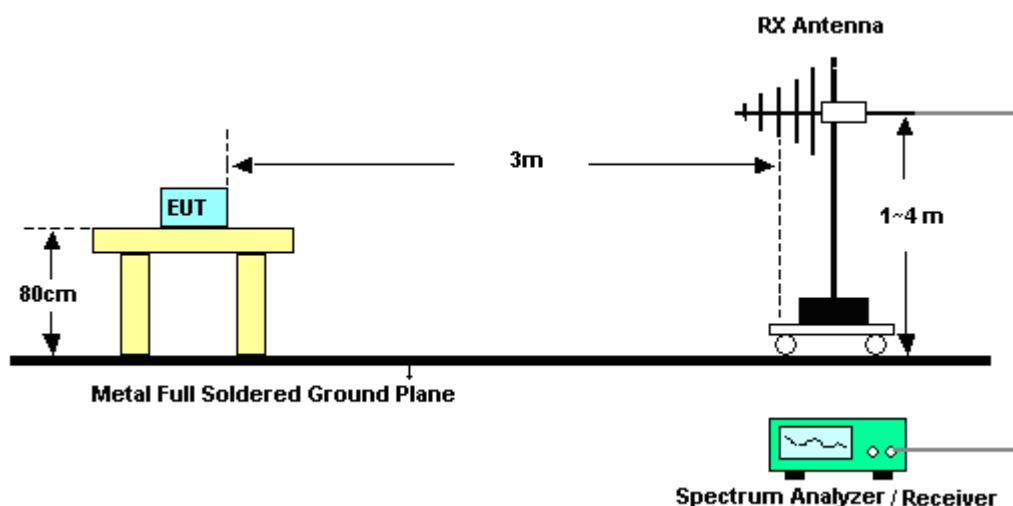
- g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
- i. If power averaging (rms) mode was used in the preceding step e), then the correction factor is $[10 \log (1 / D)]$, where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
 - ii. If a specific emission is demonstrated to be continuous (100% duty cycle) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.
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

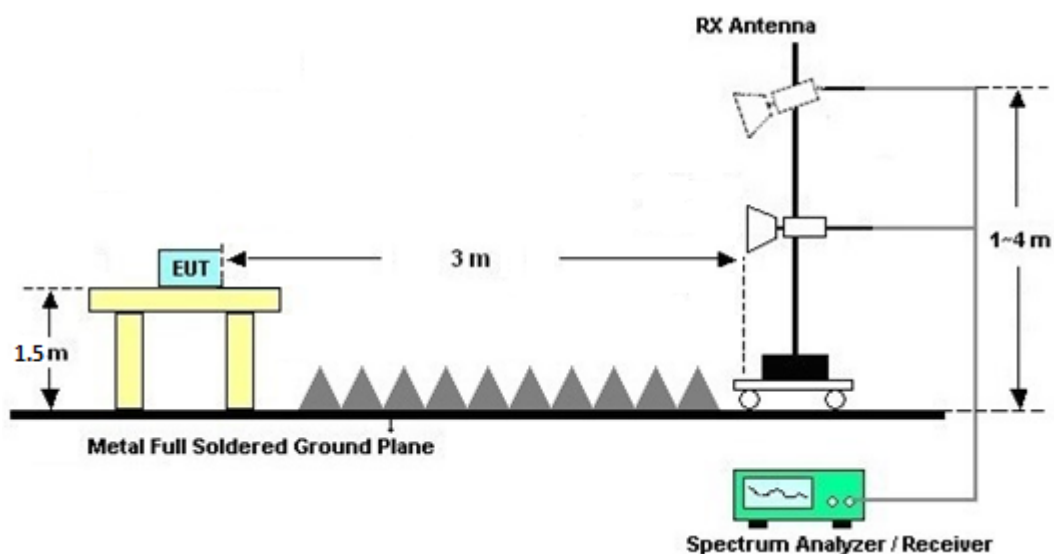
For radiated emissions below 30MHz



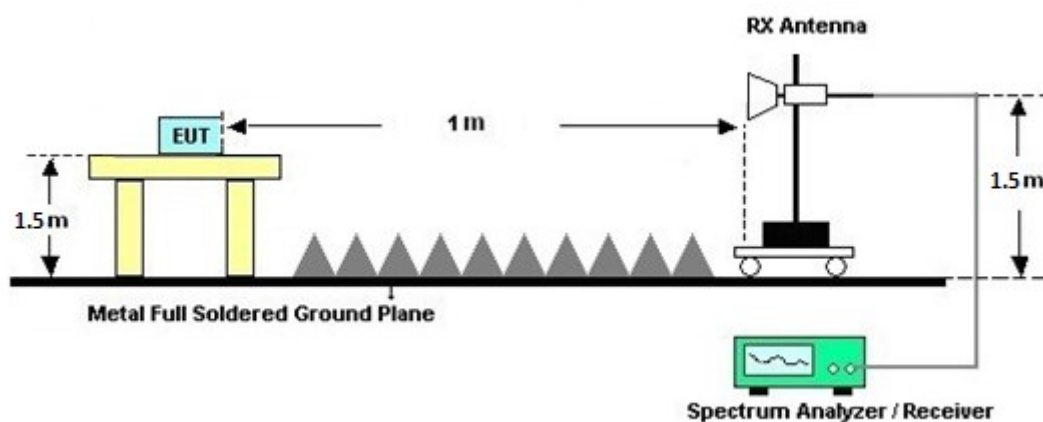
For radiated emissions from 30MHz to 1GHz



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.

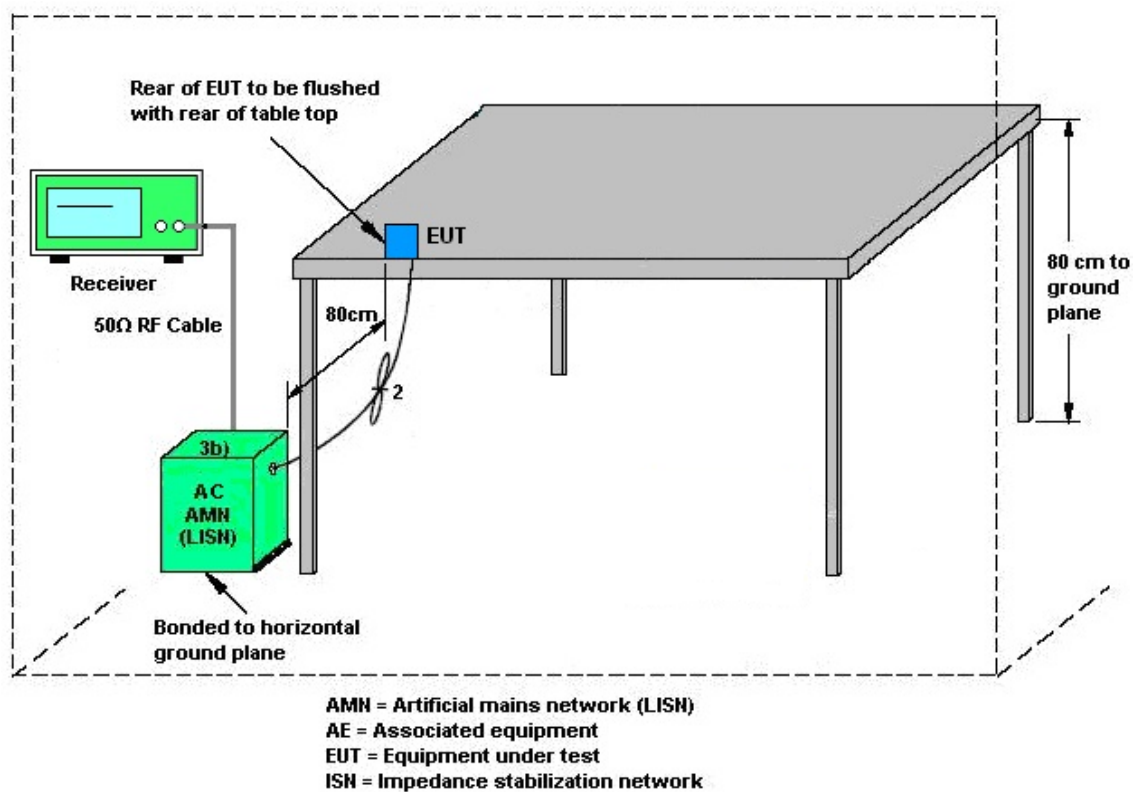
3.5.2 Measuring Instruments

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
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 15, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03 A18EN	1GHz~18GHz	Jul. 11, 2024	Aug. 13, 2024 ~ Aug. 19, 2024	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Aug. 13, 2024 ~ Aug. 19, 2024	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Aug. 13, 2024 ~ Aug. 19, 2024	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Aug. 27, 2024	Radiation (03CH21-HY)
Signal Generator	Rohde & Schwarz	SMW200A	111391	N/A	Jan. 23, 2024	Aug. 13, 2024 ~ Aug. 19, 2024	Jan. 22, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Aug. 13, 2024 ~ Aug. 19, 2024	Mar. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 24, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Aug. 13, 2024 ~ Aug. 19, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 13, 2024 ~ Aug. 19, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 13, 2024 ~ Aug. 19, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 13, 2024 ~ Aug. 19, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-002349	N/A	N/A	Aug. 13, 2024 ~ Aug. 19, 2024	N/A	Radiation (03CH21-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEPIL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Mar. 06, 2025	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	Mar. 06, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Jun. 11, 2024~Jul. 12, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jun. 11, 2024~Jul. 12, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Mar. 06, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Jun. 11, 2024~Mar. 06, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Jun. 11, 2024~Mar. 06, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Feb. 11, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZB ECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	Feb. 11, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Feb. 11, 2025	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Feb. 11, 2025	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Feb. 11, 2025	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Feb. 11, 2025	Sep. 22, 2025	Conduction (CO07-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	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% ($U = 2U_c(y)$)	6.6 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.0 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.7 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	5.3 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2024/06/11~2025/03/06	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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	149	5745	17.33	-	32.74	-	16.02	-	0.5	Pass
11a	6Mbps	1	157	5785	17.28	-	31.60	-	16.03	-	0.5	Pass
11a	6Mbps	1	165	5825	17.13	-	29.61	-	16.02	-	0.5	Pass
VHT20	MCS0	1	149	5745	17.73	-	24.07	-	16.26	-	0.5	Pass
VHT20	MCS0	1	157	5785	18.08	-	29.74	-	16.89	-	0.5	Pass
VHT20	MCS0	1	165	5825	18.33	-	32.80	-	17.25	-	0.5	Pass
VHT40	MCS0	1	151	5755	37.26	-	76.54	-	36.32	-	0.5	Pass
VHT40	MCS0	1	159	5795	39.96	-	71.71	-	36.33	-	0.5	Pass
VHT80	MCS0	1	155	5775	76.12	-	157.18	-	71.38	-	0.5	Pass
VHT160	MCS0	1	163	5815	154.41	-	165.50	-	136.94	-	0.5	Pass

U-NII-3 MIMO												
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 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	149	5745	17.23	16.78	32.62	25.18	16.02	16.29	0.5	Pass
11a	6Mbps	2	157	5785	17.23	16.73	31.51	25.79	16.29	16.31	0.5	Pass
11a	6Mbps	2	165	5825	16.63	16.48	22.11	20.84	16.27	16.31	0.5	Pass
VHT20	MCS0	2	149	5745	17.73	17.83	23.06	25.06	16.27	16.66	0.5	Pass
VHT20	MCS0	2	157	5785	17.68	17.63	23.40	22.02	17.28	17.53	0.5	Pass
VHT20	MCS0	2	165	5825	18.28	17.63	31.80	22.38	16.65	17.14	0.5	Pass
VHT40	MCS0	2	151	5755	36.96	36.76	74.82	64.80	36.32	36.32	0.5	Pass
VHT40	MCS0	2	159	5795	37.36	36.56	77.28	48.88	36.34	36.33	0.5	Pass
VHT80	MCS0	2	155	5775	76.12	75.76	156.77	142.91	71.23	72.58	0.5	Pass
VHT160	MCS0	2	163	5815	154.41	154.65	166.08	165.26	149.89	151.97	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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	22.90	-		30.00	-	4.26	-	Pass
11a	6Mbps	1	157	5785	22.90	-		30.00	-	4.26	-	Pass
11a	6Mbps	1	165	5825	22.80	-		30.00	-	4.26	-	Pass
HT20	MCS0	1	149	5745	22.60	-		30.00	-	4.26	-	Pass
HT20	MCS0	1	157	5785	22.60	-		30.00	-	4.26	-	Pass
HT20	MCS0	1	165	5825	22.80	-		30.00	-	4.26	-	Pass
HT40	MCS0	1	151	5755	22.80	-		30.00	-	4.26	-	Pass
HT40	MCS0	1	159	5795	22.70	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	149	5745	22.70	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	157	5785	22.70	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	165	5825	22.90	-		30.00	-	4.26	-	Pass
VHT40	MCS0	1	151	5755	22.90	-		30.00	-	4.26	-	Pass
VHT40	MCS0	1	159	5795	22.90	-		30.00	-	4.26	-	Pass
VHT80	MCS0	1	155	5775	22.90	-		30.00	-	4.26	-	Pass
VHT160	MCS0	1	163	5815	19.60	-		30.00	-	4.26	-	Pass

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	22.90	22.60	25.76	30.00		1.73		Pass
11a	6Mbps	2	157	5785	22.80	22.80	25.81	30.00		1.73		Pass
11a	6Mbps	2	165	5825	22.70	22.60	25.66	30.00		1.73		Pass
HT20	MCS0	2	149	5745	22.50	22.70	25.61	30.00		1.73		Pass
HT20	MCS0	2	157	5785	22.50	22.50	25.51	30.00		1.73		Pass
HT20	MCS0	2	165	5825	22.80	22.60	25.71	30.00		1.73		Pass
HT40	MCS0	2	151	5755	22.70	22.80	25.76	30.00		1.73		Pass
HT40	MCS0	2	159	5795	22.80	22.70	25.76	30.00		1.73		Pass
VHT20	MCS0	2	149	5745	22.60	22.80	25.71	30.00		1.73		Pass
VHT20	MCS0	2	157	5785	22.60	22.60	25.61	30.00		1.73		Pass
VHT20	MCS0	2	165	5825	22.90	22.70	25.81	30.00		1.73		Pass
VHT40	MCS0	2	151	5755	22.80	22.90	25.86	30.00		1.73		Pass
VHT40	MCS0	2	159	5795	22.90	22.80	25.86	30.00		1.73		Pass
VHT80	MCS0	2	155	5775	21.90	21.80	24.86	30.00		1.73		Pass
VHT160	MCS0	2	163	5815	20.10	19.60	22.87	30.00		1.73		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	149	5745	0.32		2.22	-	8.80	-		30.00	-	4.26	-	Pass
11a	6Mbps	1	157	5785	0.32		2.22	-	8.81	-		30.00	-	4.26	-	Pass
11a	6Mbps	1	165	5825	0.32		2.22	-	8.84	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	149	5745	0.37		2.22	-	8.03	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	157	5785	0.37		2.22	-	8.11	-		30.00	-	4.26	-	Pass
VHT20	MCS0	1	165	5825	0.37		2.22	-	8.55	-		30.00	-	4.26	-	Pass
VHT40	MCS0	1	151	5755	0.40		2.22	-	5.48	-		30.00	-	4.26	-	Pass
VHT40	MCS0	1	159	5795	0.40		2.22	-	5.55	-		30.00	-	4.26	-	Pass
VHT80	MCS0	1	155	5775	0.37		2.22	-	2.38	-		30.00	-	4.26	-	Pass
VHT160	MCS0	1	163	5815	0.37		2.22	-	-3.52	-	30.00	-	4.26	-	Pass	

U-NII-3 MIMO																
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	149	5745	0.33	0.34	2.22		8.68	8.82	11.83	30.00		4.20		Pass
11a	6Mbps	2	157	5785	0.33	0.34	2.22		8.67	8.70	11.71	30.00		4.20		Pass
11a	6Mbps	2	165	5825	0.33	0.34	2.22		8.59	8.52	11.60	30.00		4.20		Pass
VHT20	MCS0	2	149	5745	0.37	0.37	2.22		7.91	8.24	11.25	30.00		4.20		Pass
VHT20	MCS0	2	157	5785	0.37	0.37	2.22		7.90	8.05	11.06	30.00		4.20		Pass
VHT20	MCS0	2	165	5825	0.37	0.37	2.22		8.49	8.11	11.50	30.00		4.20		Pass
VHT40	MCS0	2	151	5755	0.37	0.37	2.22		5.25	5.26	8.27	30.00		4.20		Pass
VHT40	MCS0	2	159	5795	0.37	0.37	2.22		5.37	5.17	8.38	30.00		4.20		Pass
VHT80	MCS0	2	155	5775	0.40	0.40	2.22		0.59	0.46	3.60	30.00		4.20		Pass
VHT160	MCS0	2	163	5815	0.40	0.40	2.22		-3.22	-3.75	-0.21	30.00		4.20		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)

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

U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	1	149	5745	Full	19.23	-	30.11	-	18.47	-	0.5	Pass
HE20	MCS0	1	157	5785	Full	19.18	-	27.90	-	18.53	-	0.5	Pass
HE20	MCS0	1	165	5825	Full	19.28	-	31.84	-	18.37	-	0.5	Pass
HE40	MCS0	1	151	5755	Full	38.46	-	65.58	-	37.82	-	0.5	Pass
HE40	MCS0	1	159	5795	Full	38.66	-	69.38	-	37.72	-	0.5	Pass
HE80	MCS0	1	155	5775	Full	77.68	-	136.51	-	76.05	-	0.5	Pass
HE160	MCS0	1	163	5815	Full	155.84	-	165.60	-	154.72	-	0.5	Pass

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	149	5745	Full	19.18	19.08	29.86	25.45	18.88	18.68	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.18	18.98	29.10	26.22	18.24	17.88	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.28	18.98	33.58	24.35	18.60	18.24	0.5	Pass
HE40	MCS0	2	151	5755	Full	38.36	38.26	61.31	57.17	37.93	37.80	0.5	Pass
HE40	MCS0	2	159	5795	Full	38.46	38.06	72.74	42.93	38.08	37.94	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.80	77.56	130.27	103.49	76.11	75.23	0.5	Pass
HE160	MCS0	2	163	5815	Full	156.32	156.08	165.60	165.46	155.84	150.98	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	1	149	5745	Full	22.70	-		30.00	-	4.26	-	Pass
HE20	MCS0	1	157	5785	Full	22.60	-		30.00	-	4.26	-	Pass
HE20	MCS0	1	165	5825	Full	22.90	-		30.00	-	4.26	-	Pass
HE40	MCS0	1	151	5755	Full	22.70	-		30.00	-	4.26	-	Pass
HE40	MCS0	1	159	5795	Full	22.90	-		30.00	-	4.26	-	Pass
HE80	MCS0	1	155	5775	Full	22.80	-		30.00	-	4.26	-	Pass
HE160	MCS0	1	163	5815	Full	19.60	-		30.00	-	4.26	-	Pass

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	22.50	22.70	25.61	30.00		1.73		Pass
HE20	MCS0	2	157	5785	Full	22.50	22.50	25.51	30.00		1.73		Pass
HE20	MCS0	2	165	5825	Full	22.80	22.60	25.71	30.00		1.73		Pass
HE40	MCS0	2	151	5755	Full	22.50	22.70	25.61	30.00		1.73		Pass
HE40	MCS0	2	159	5795	Full	22.60	22.50	25.56	30.00		1.73		Pass
HE80	MCS0	2	155	5775	Full	22.20	22.10	25.16	30.00		1.73		Pass
HE160	MCS0	2	163	5815	Full	20.10	19.60	22.87	30.00		1.73		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 single antenna																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	1	149	5745	Full	0.37	-	2.22	-	7.62	-		30.00	-	4.26	-	Pass
HE20	MCS0	1	157	5785	Full	0.37	-	2.22	-	7.63	-		30.00	-	4.26	-	Pass
HE20	MCS0	1	165	5825	Full	0.37	-	2.22	-	8.14	-		30.00	-	4.26	-	Pass
HE40	MCS0	1	151	5755	Full	0.37	-	2.22	-	4.90	-		30.00	-	4.26	-	Pass
HE40	MCS0	1	159	5795	Full	0.37	-	2.22	-	5.04	-		30.00	-	4.26	-	Pass
HE80	MCS0	1	155	5775	Full	0.35	-	2.22	-	2.23	-		30.00	-	4.26	-	Pass
HE160	MCS0	1	163	5815	Full	0.40	-	2.22	-	-3.90	-		30.00	-	4.26	-	Pass

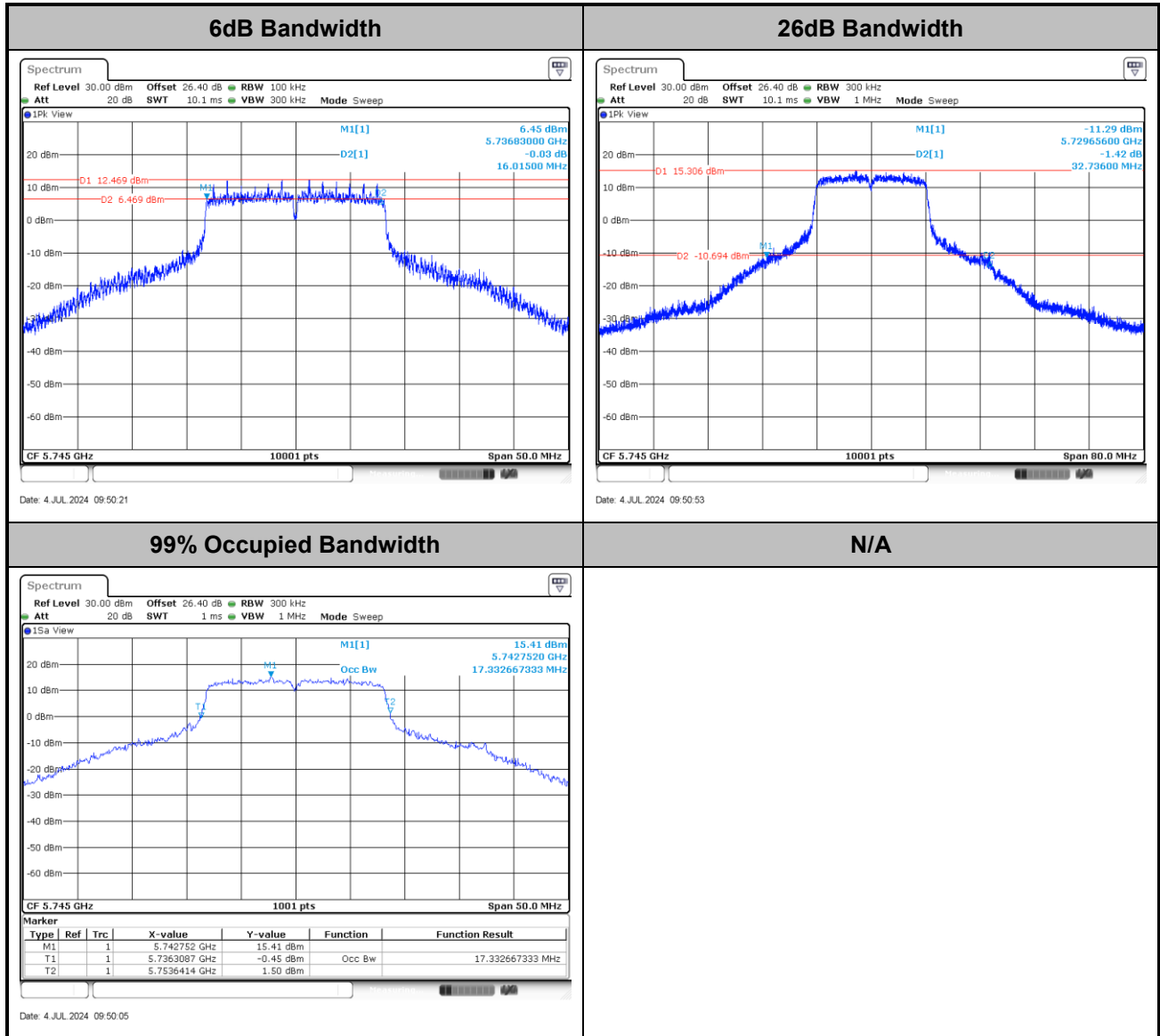
U-NII-3 MIMO																	
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HE20	MCS0	2	149	5745	Full	0.34	0.35	2.22		7.66	7.88	10.89	30.00		4.20		Pass
HE20	MCS0	2	157	5785	Full	0.34	0.35	2.22		7.50	7.83	10.84	30.00		4.20		Pass
HE20	MCS0	2	165	5825	Full	0.34	0.35	2.22		7.94	7.74	10.95	30.00		4.20		Pass
HE40	MCS0	2	151	5755	Full	0.35	0.34	2.22		4.67	4.95	7.96	30.00		4.20		Pass
HE40	MCS0	2	159	5795	Full	0.35	0.34	2.22		4.88	4.65	7.89	30.00		4.20		Pass
HE80	MCS0	2	155	5775	Full	0.40	0.40	2.22		1.05	1.07	4.08	30.00		4.20		Pass
HE160	MCS0	2	163	5815	Full	0.40	0.40	2.22		-3.28	-3.94	-0.27	30.00		4.20		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 1) + 10 log (n)

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

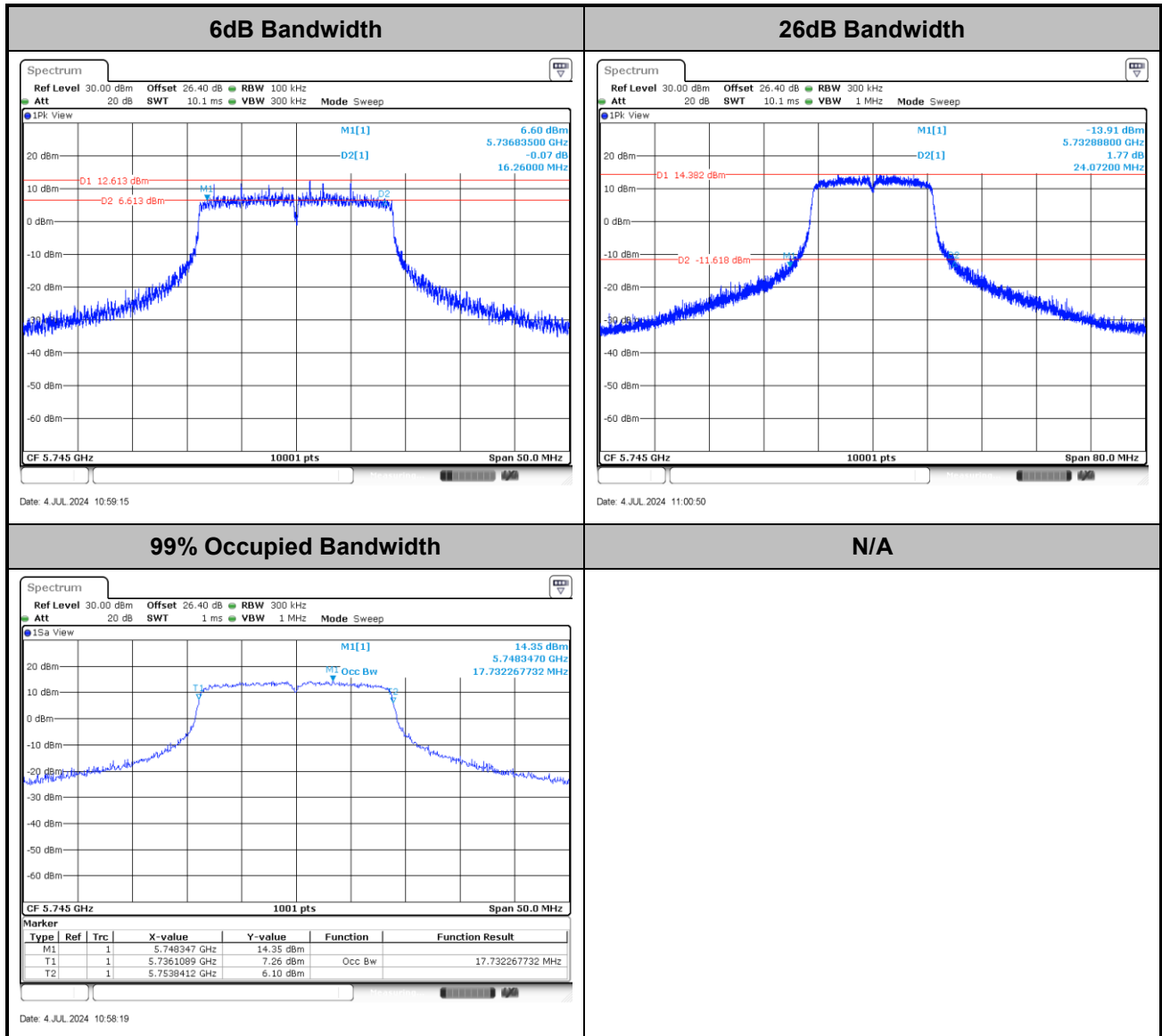
<Ant. 0>

<802.11a>



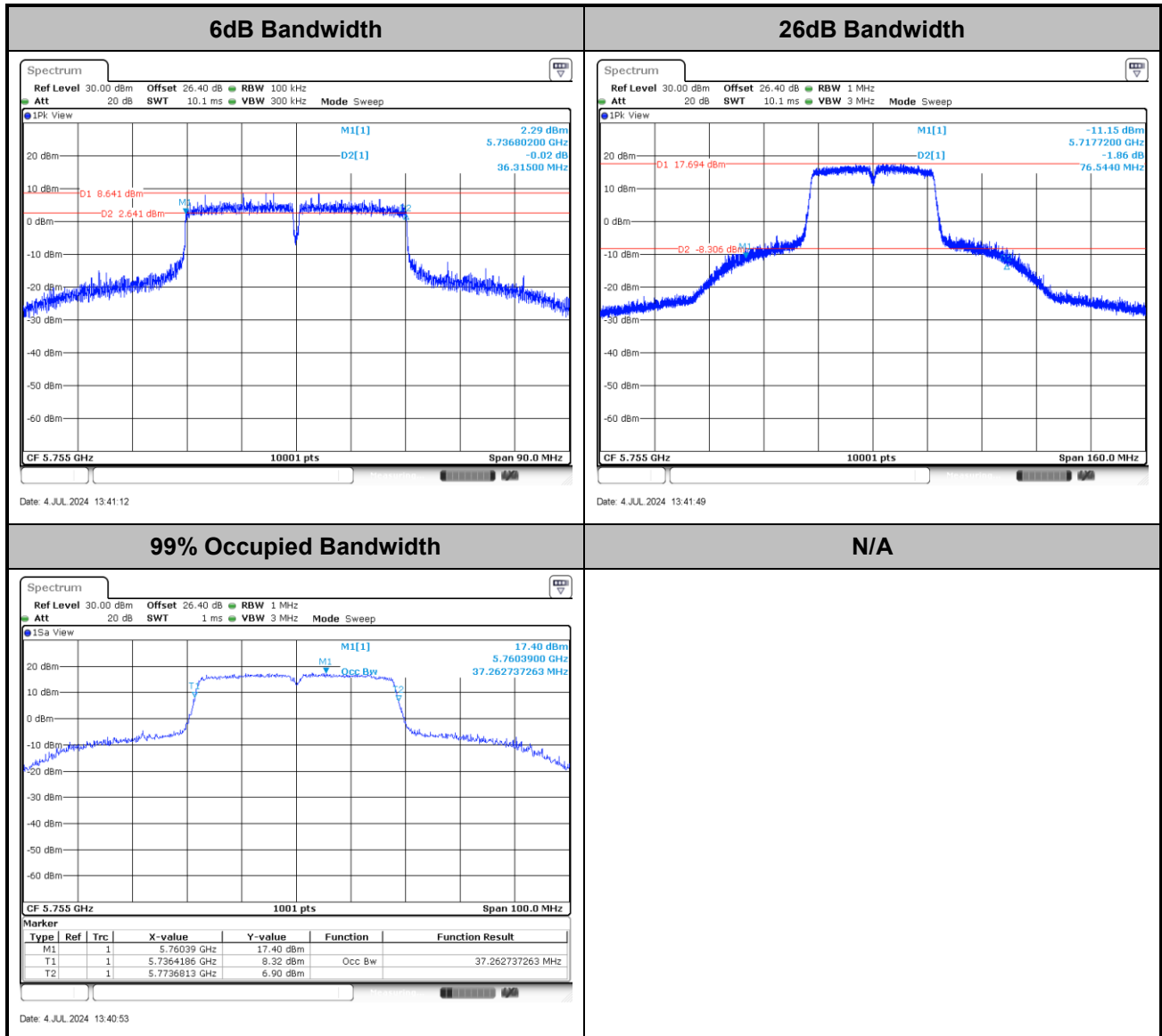


<802.11ac VHT20>



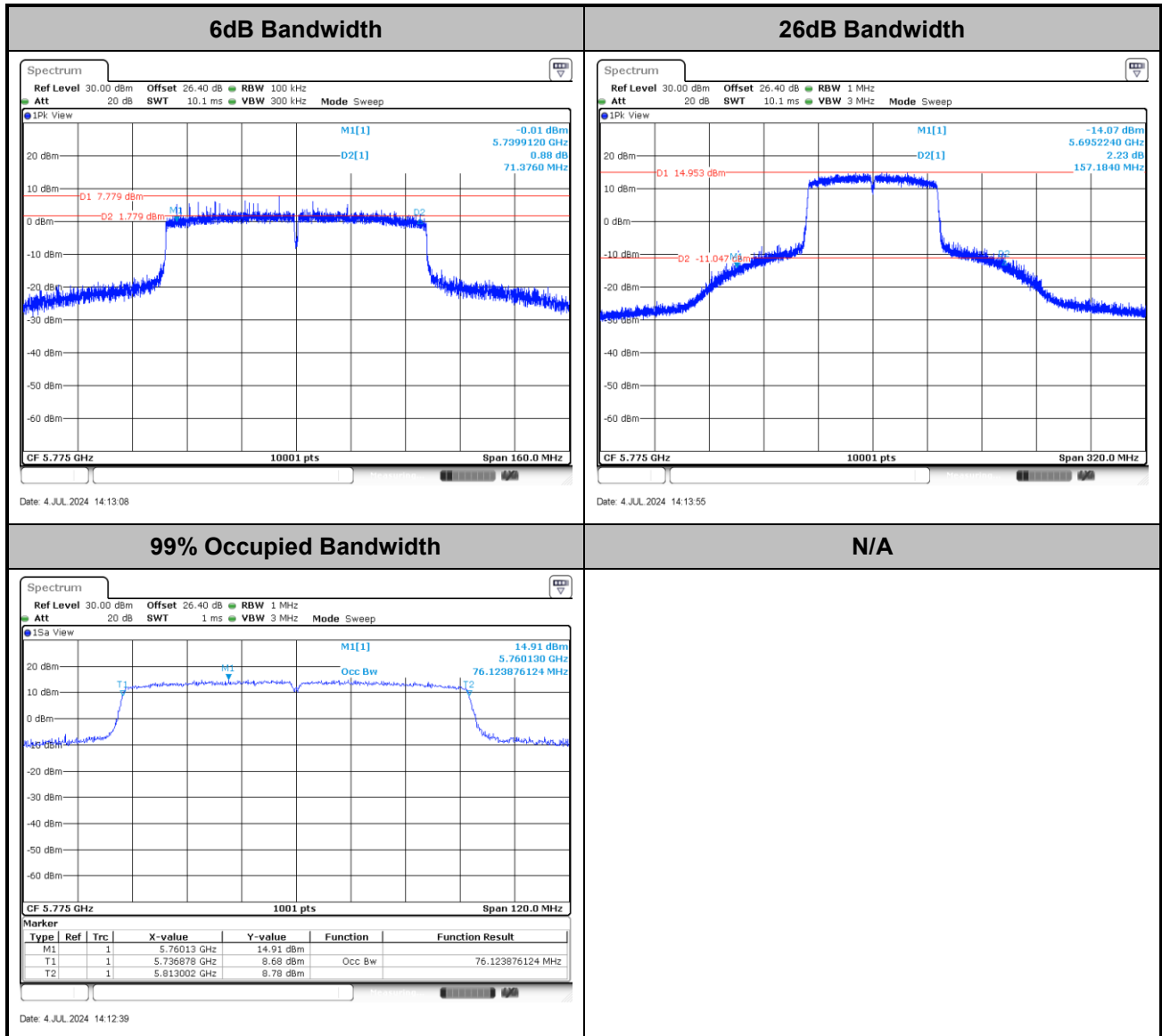


<802.11ac VHT40>





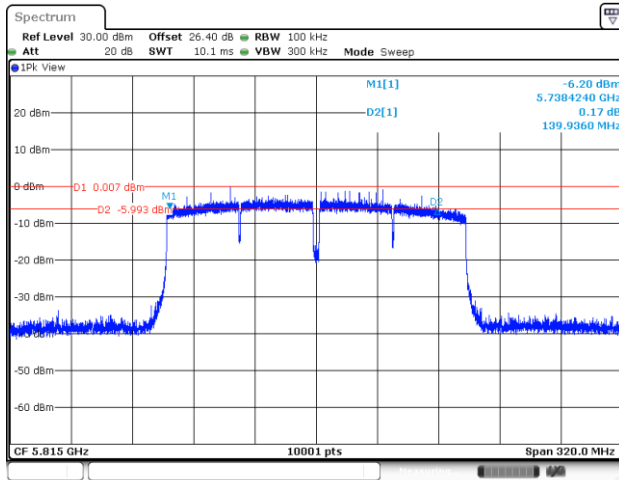
<802.11ac VHT80>



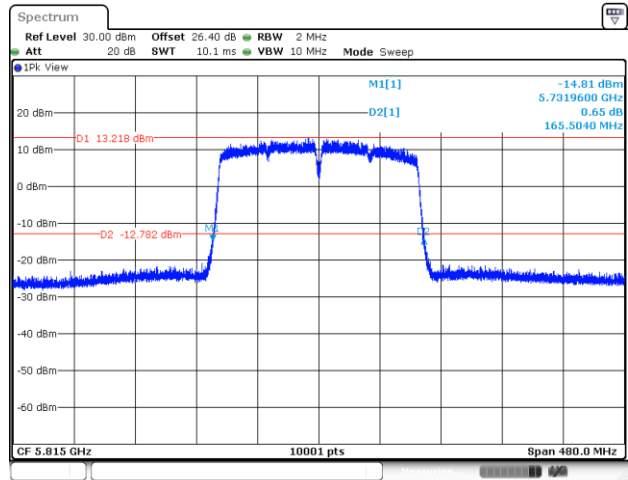


<802.11ac VHT160>

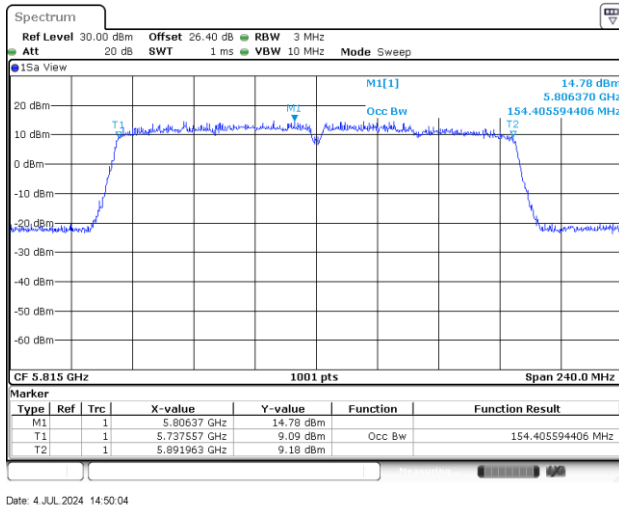
6dB Bandwidth



26dB Bandwidth



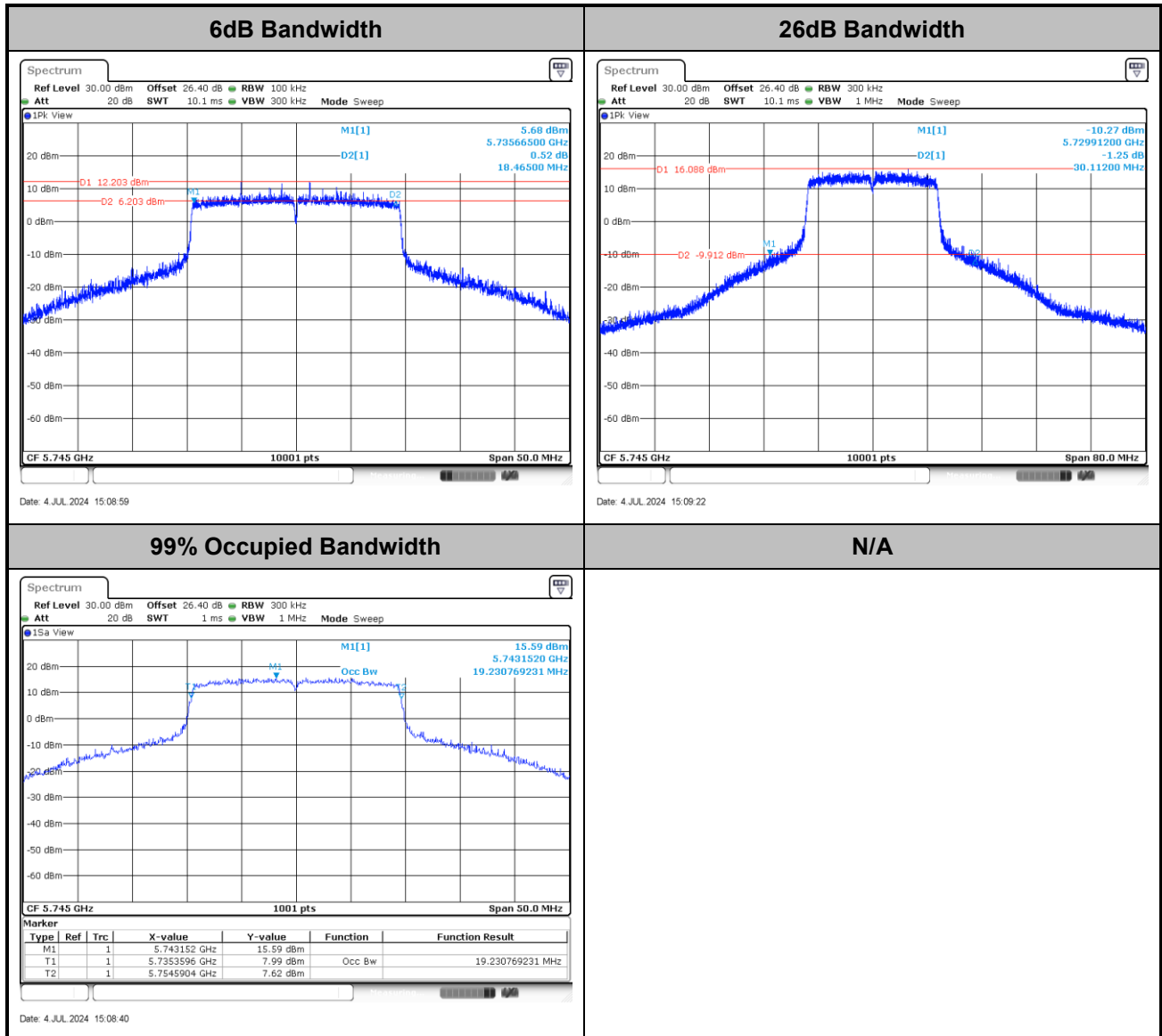
99% Occupied Bandwidth



N/A

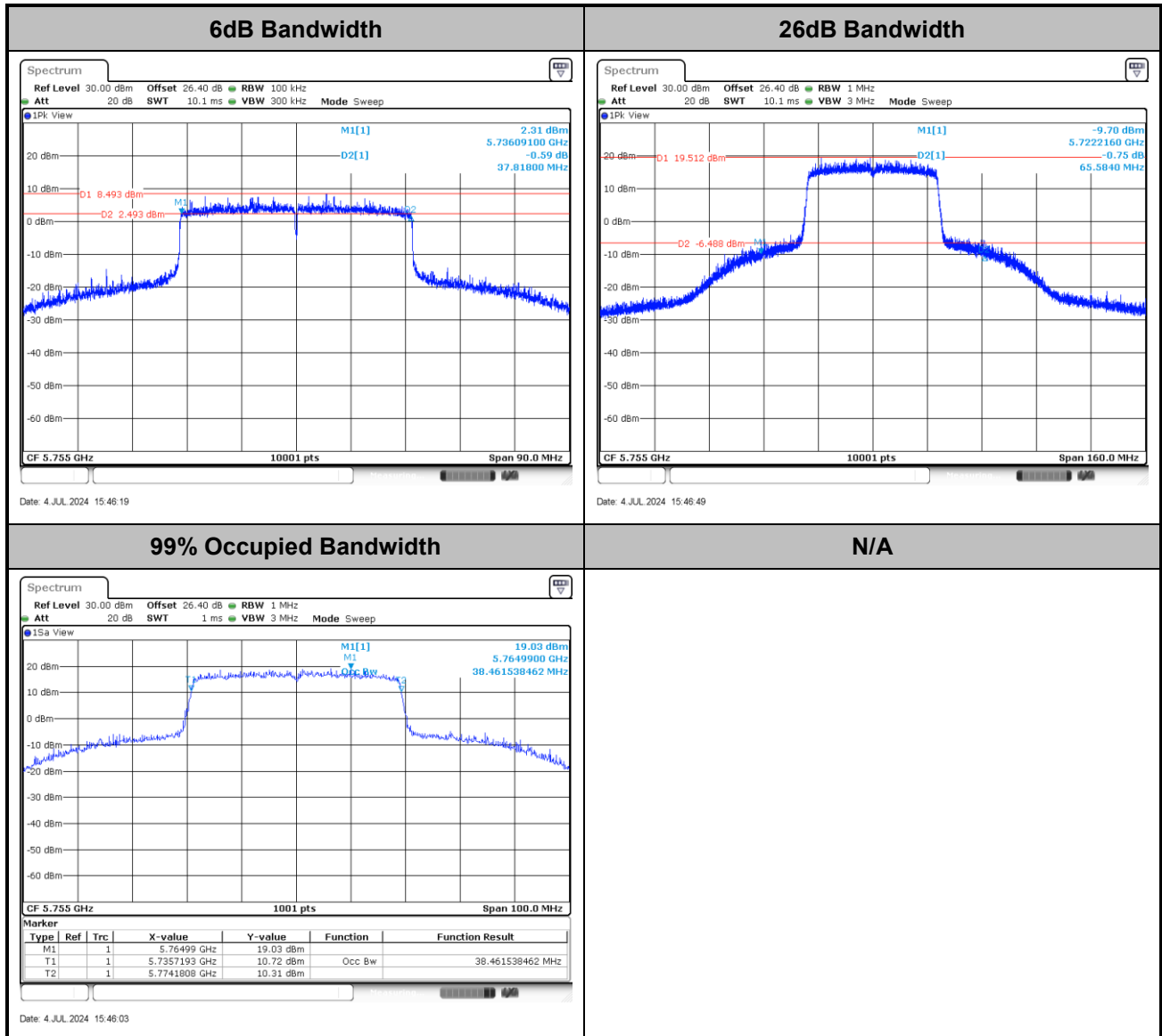


<802.11ax HE20>



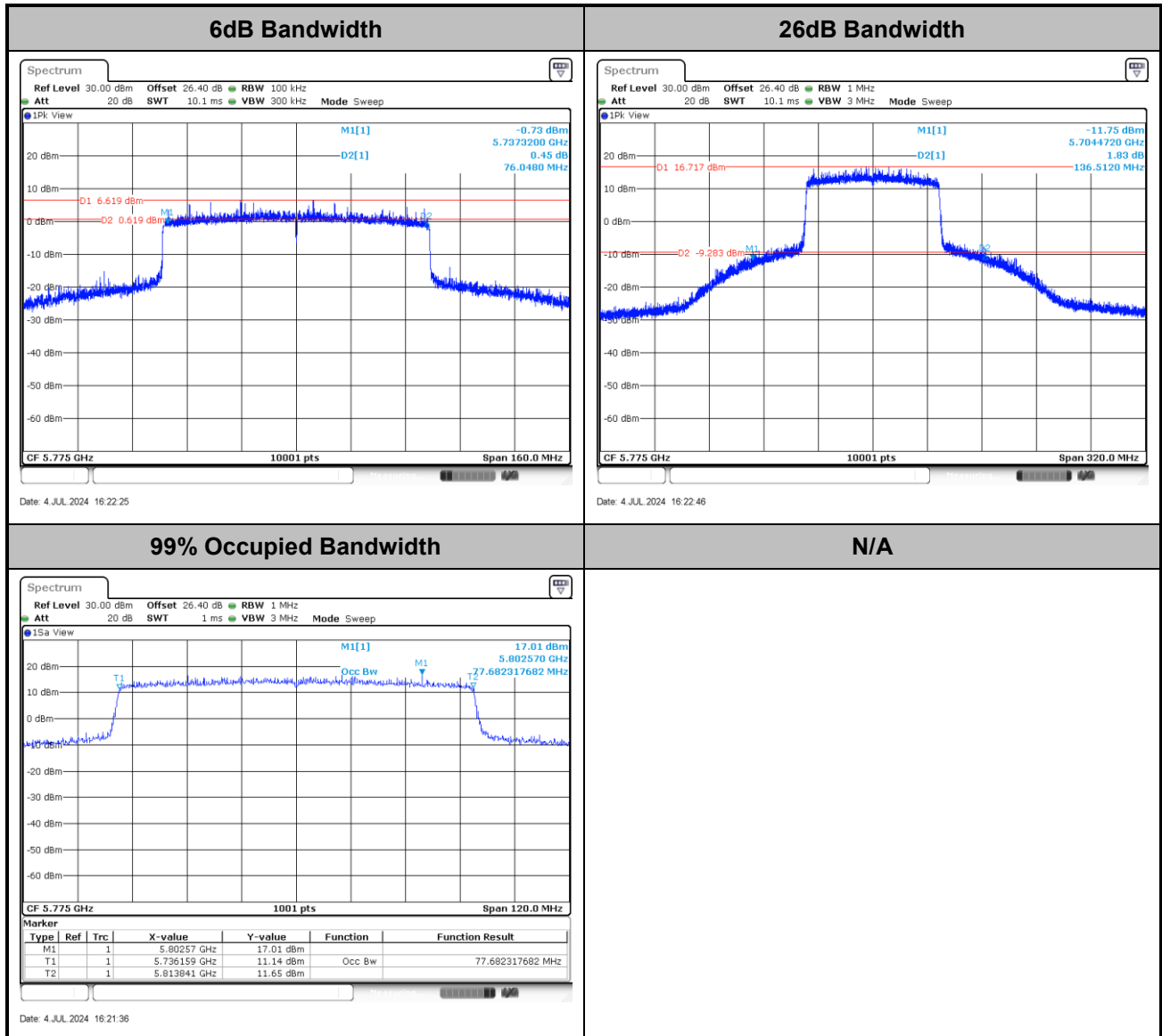


<802.11ax HE40>



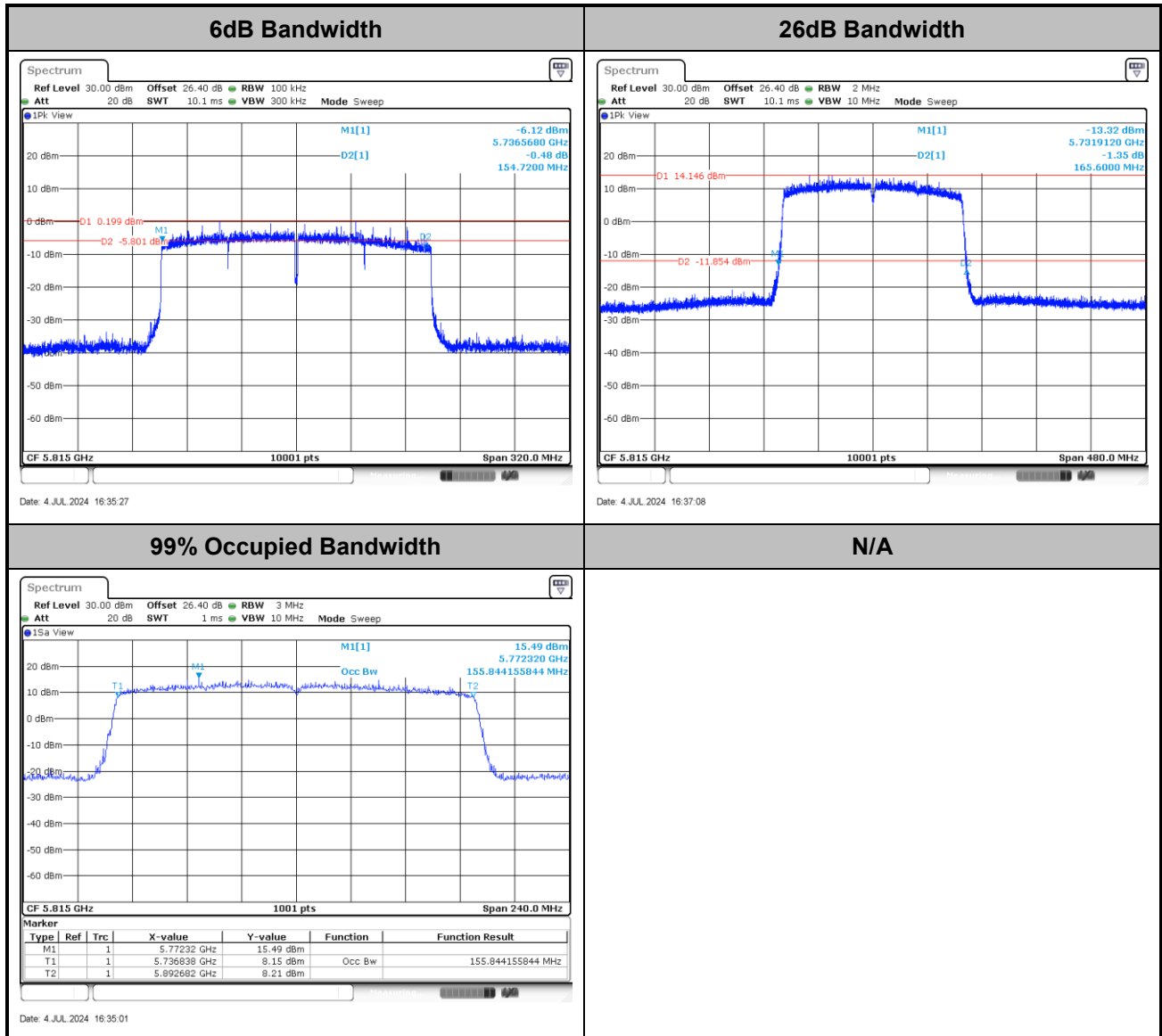


<802.11ax HE80>





<802.11ax HE160>

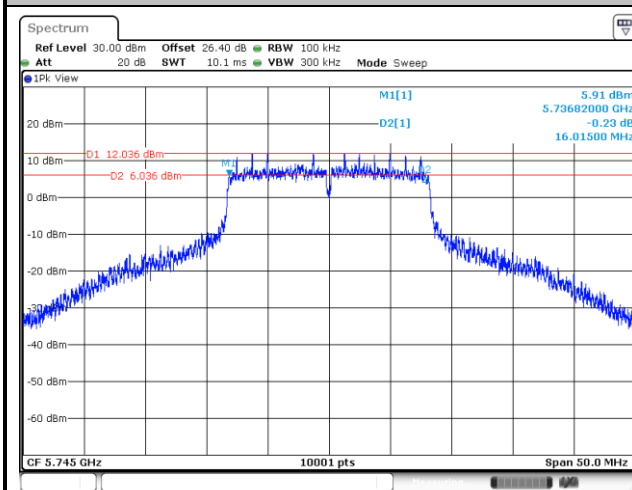




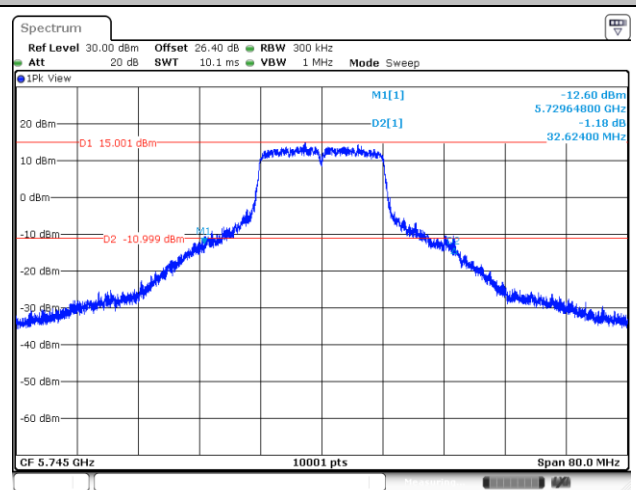
MIMO <Ant. 0+1>

<802.11a>

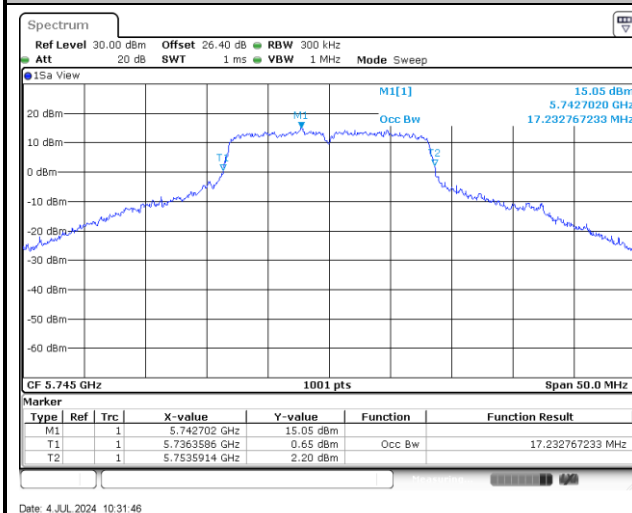
6dB Bandwidth



26dB Bandwidth



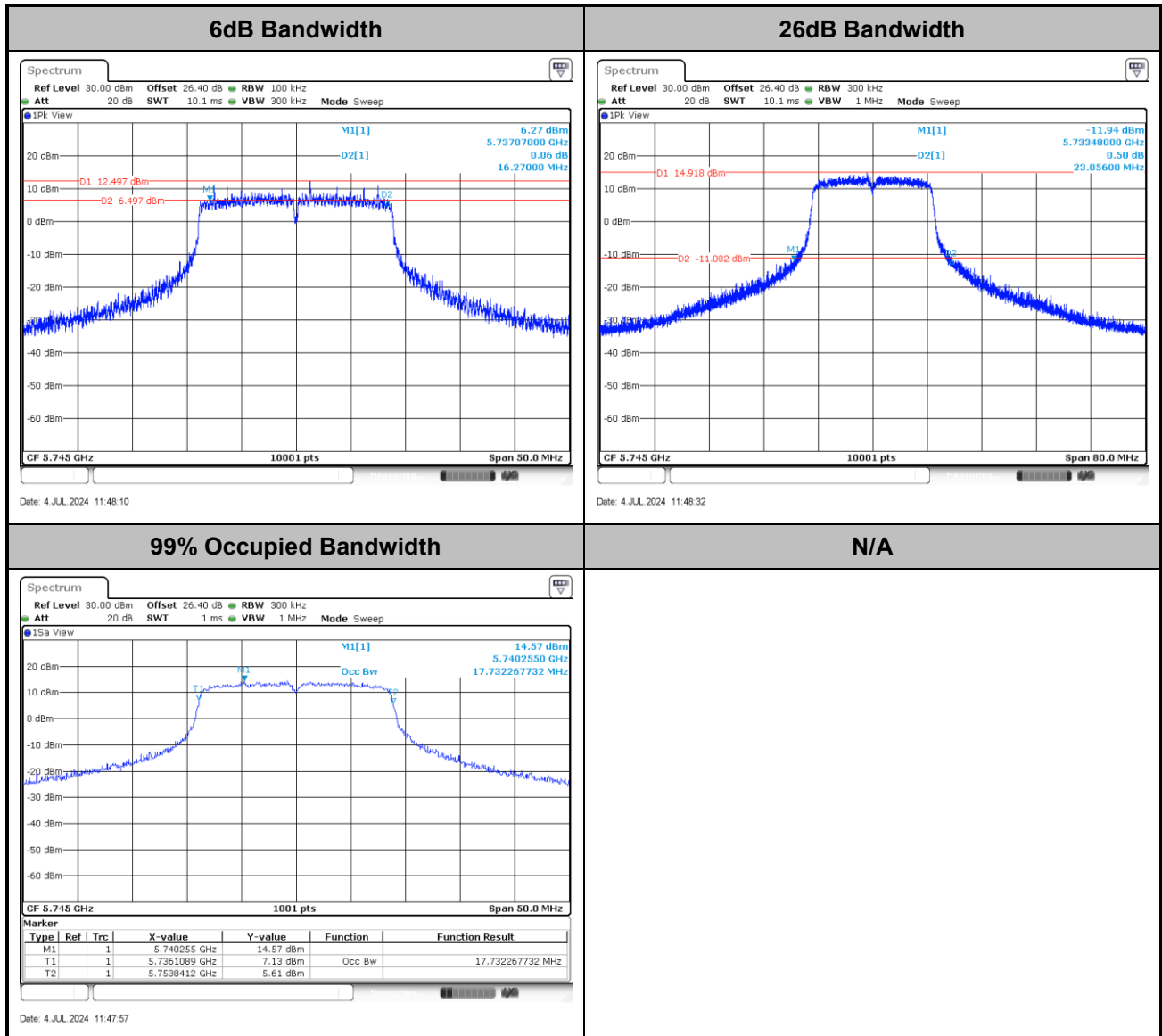
99% Occupied Bandwidth



N/A

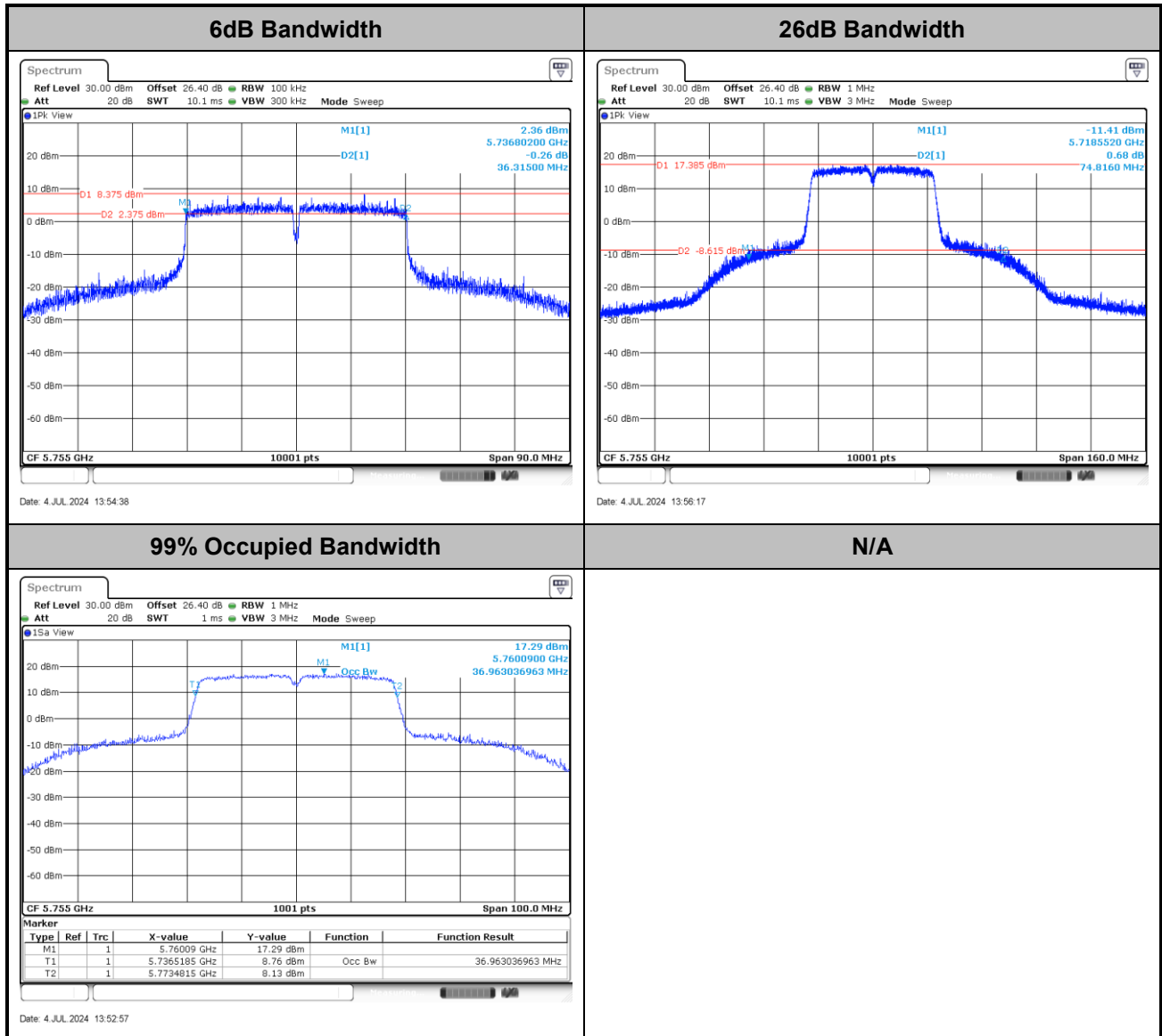


<802.11ac VHT20>



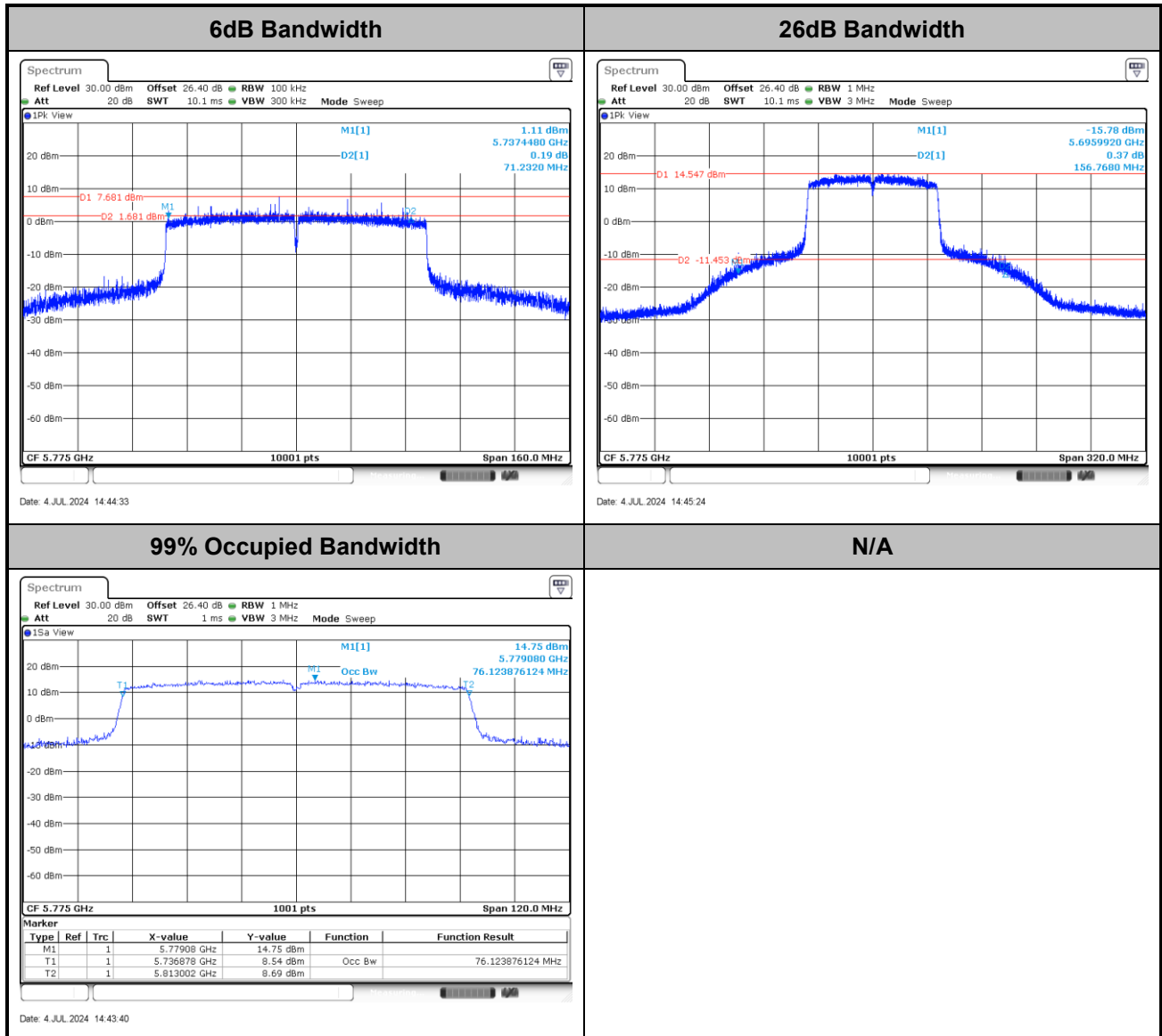


<802.11ac VHT40>



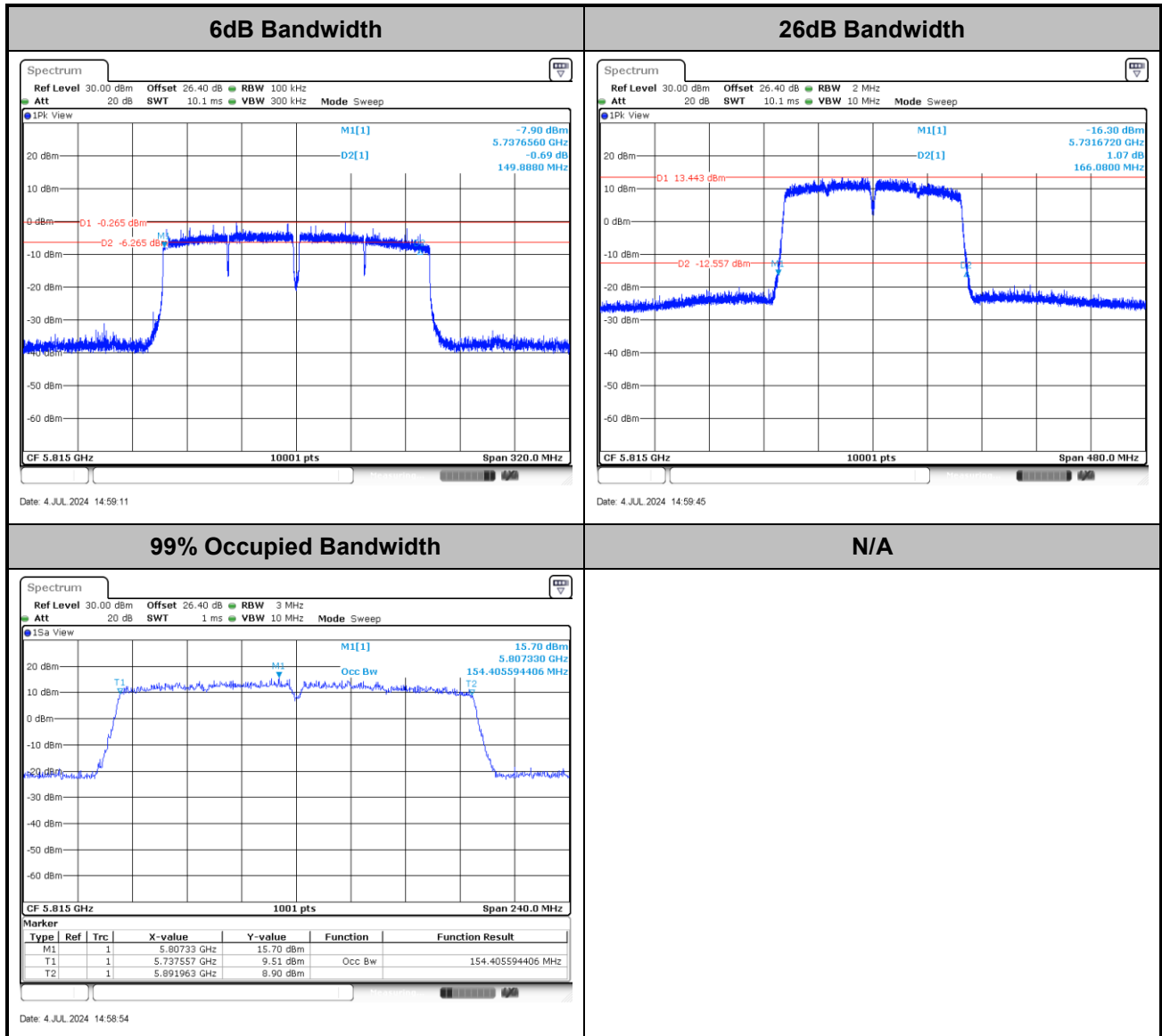


<802.11ac VHT80>





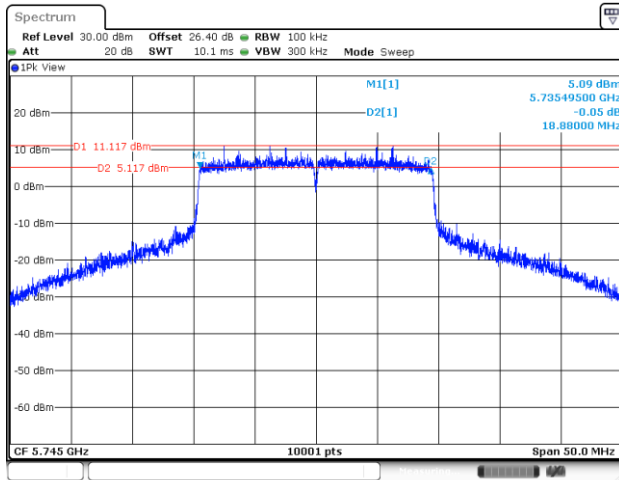
<802.11ac VHT160>



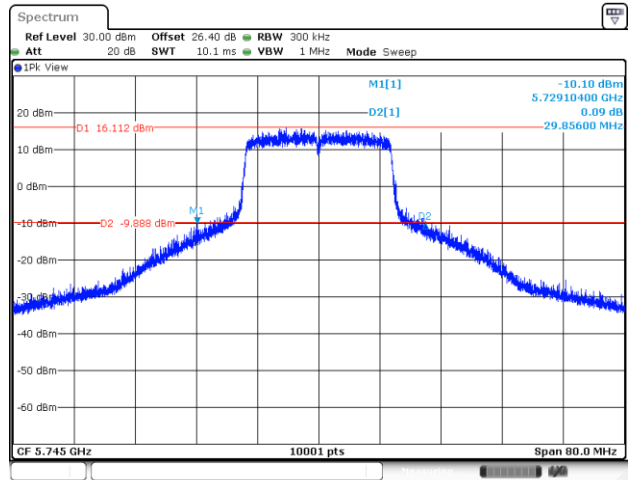


<802.11ax HE20>

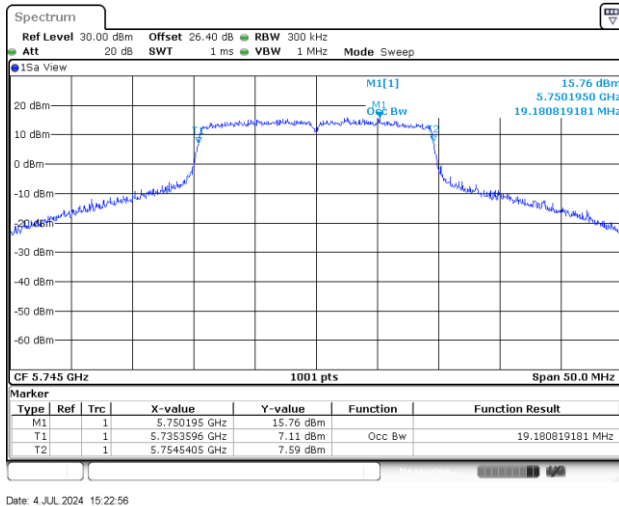
6dB Bandwidth



26dB Bandwidth



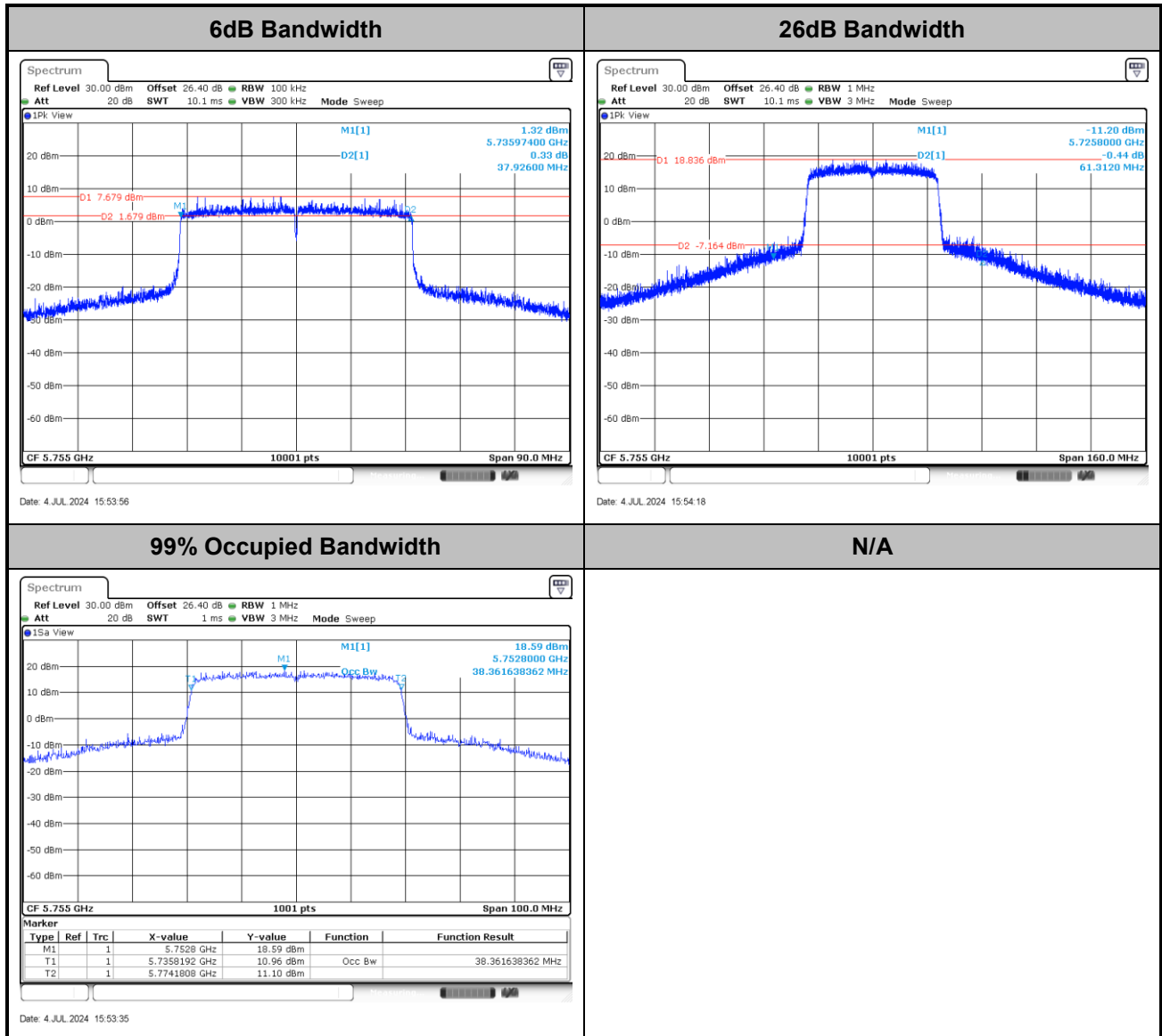
99% Occupied Bandwidth



N/A

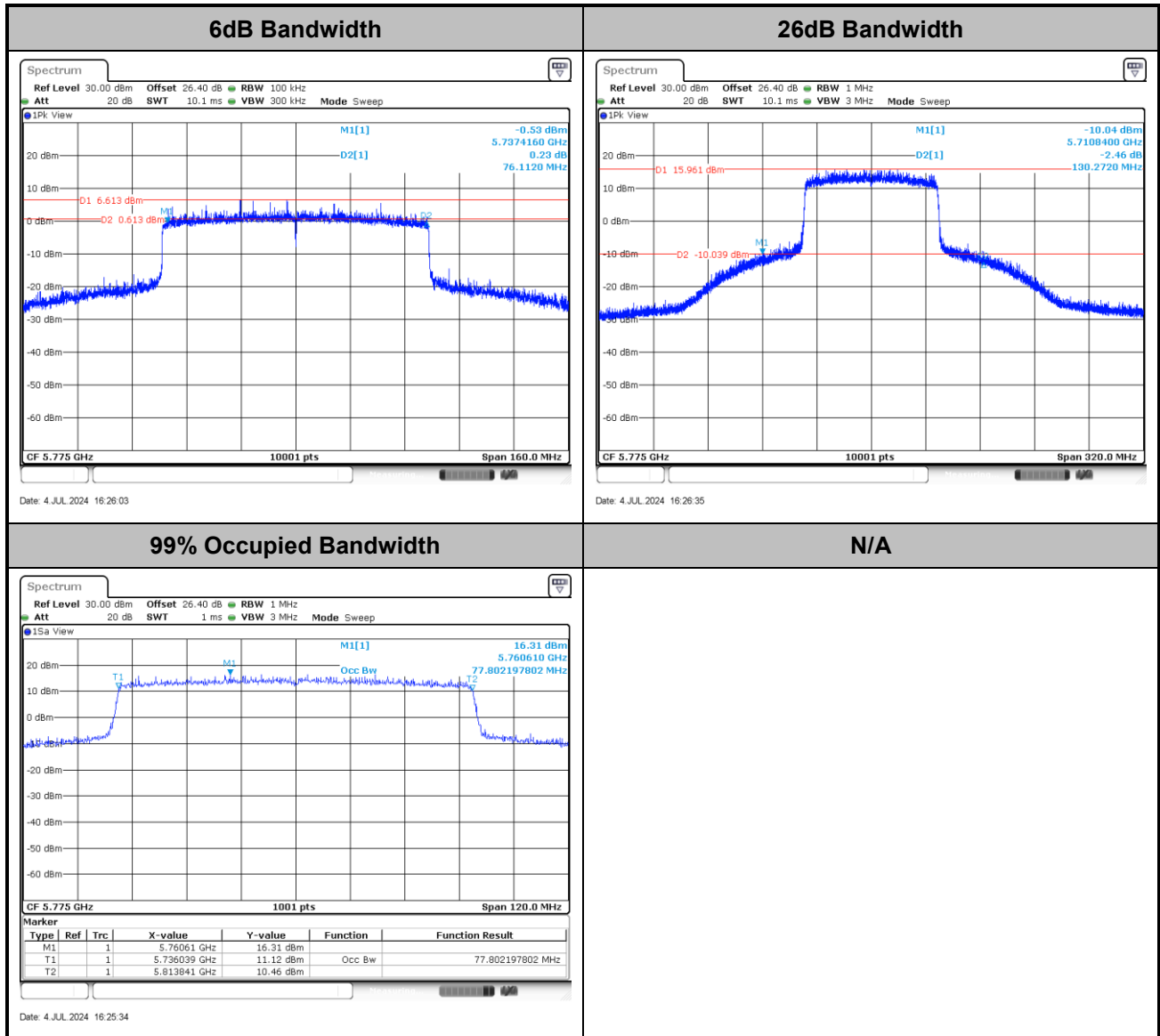


<802.11ax HE40>





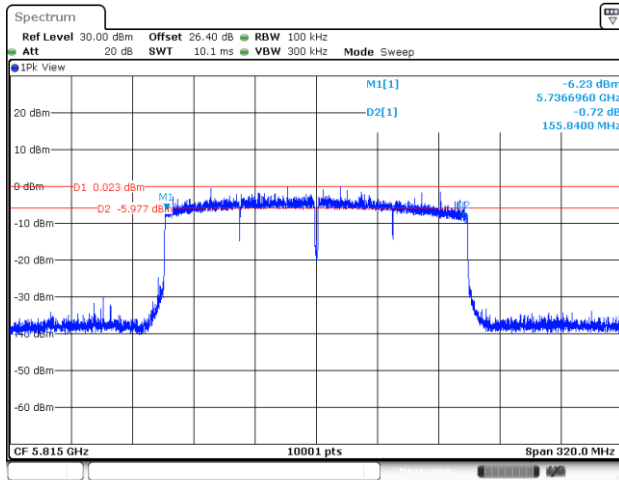
<802.11ax HE80>



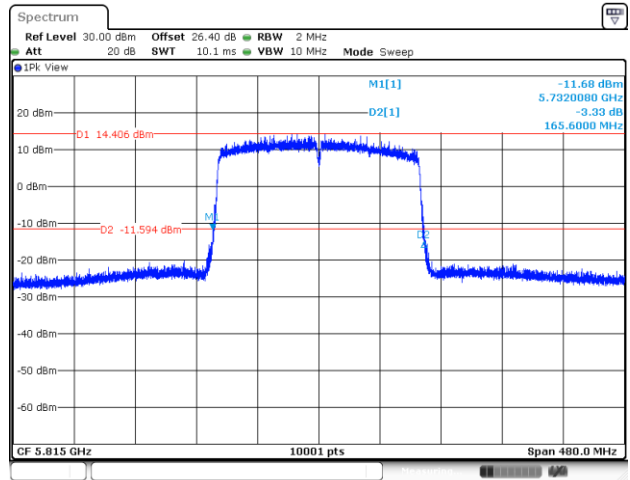


<802.11ax HE160>

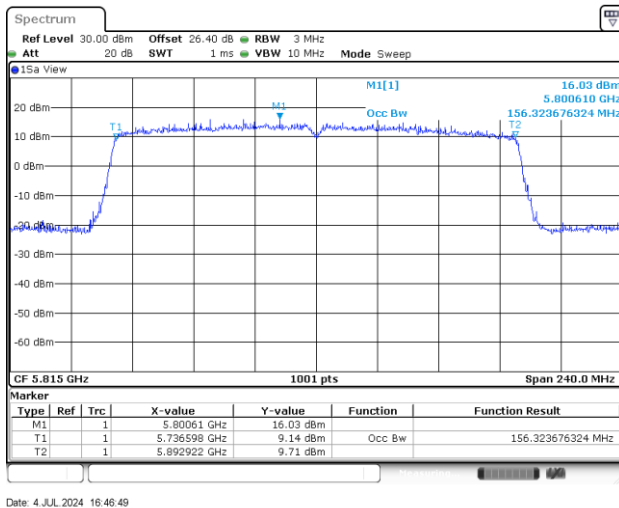
6dB Bandwidth



26dB Bandwidth



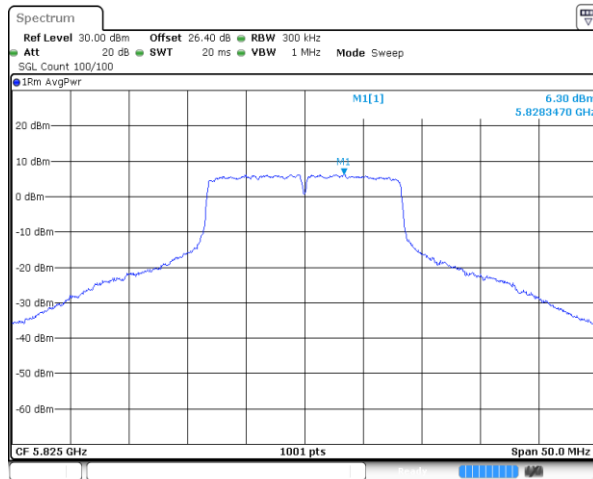
99% Occupied Bandwidth



N/A

**Test Result of Power Spectral Density**

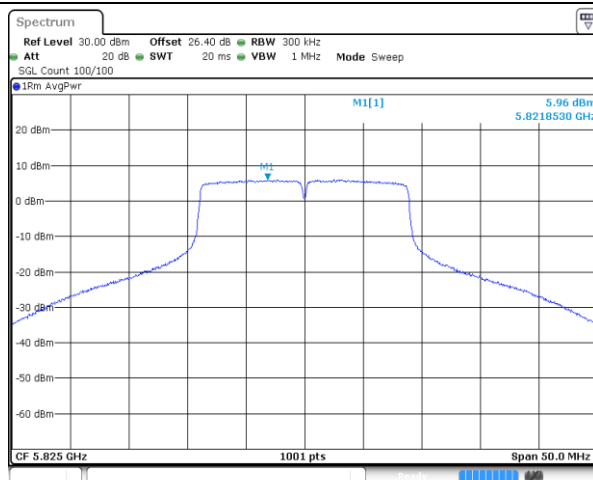
<802.11a>

Maximum Power Density Plot (dBm/MHz)**Ant. 0****Note:**

Date: 19 JUN 2024 19:07:54

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)**Ant. 0****Note:**

Date: 19 JUN 2024 19:56:40

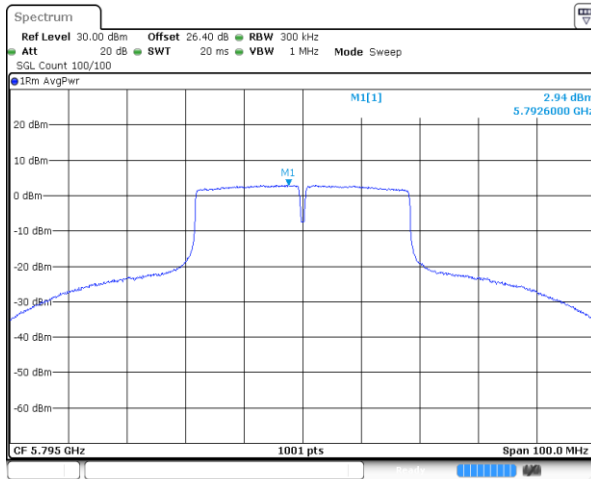
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)

Ant. 0



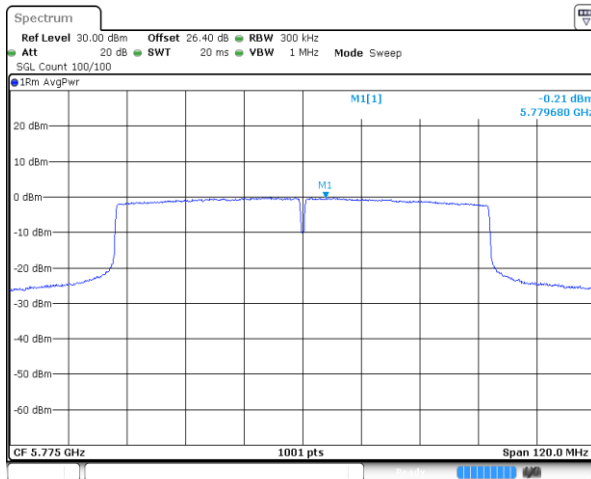
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ac VHT80>

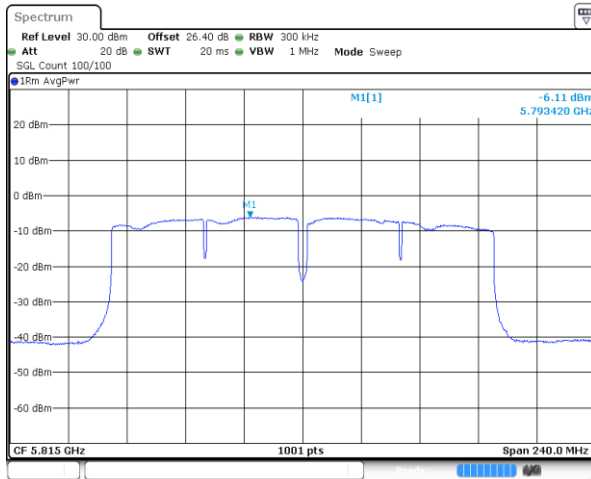
Maximum Power Density Plot (dBm/MHz)

Ant. 0



Note:

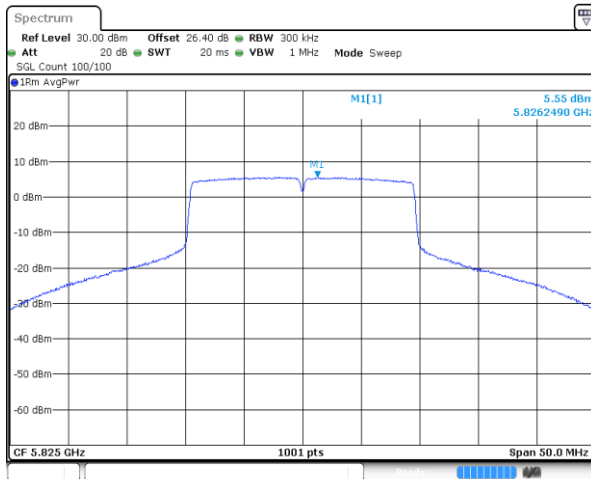
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ac VHT160>
Maximum Power Density Plot (dBm/MHz)
Ant. 0


Date: 28 JUN 2024 15:57:14

Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ax HE20>
Maximum Power Density Plot (dBm/MHz)
Ant. 0


Date: 20 JUN 2024 16:12:13

Note:

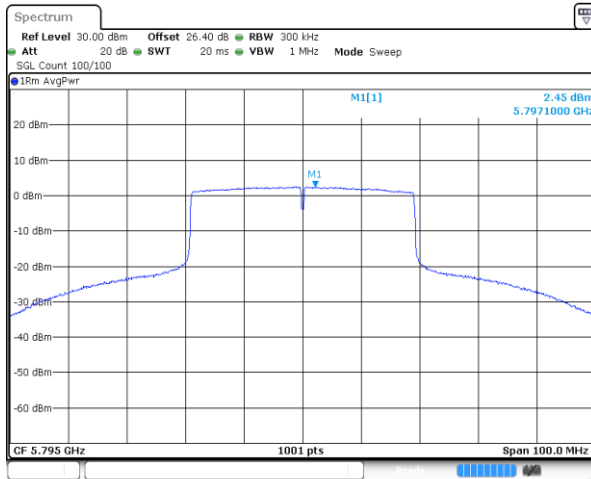
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

Ant. 0



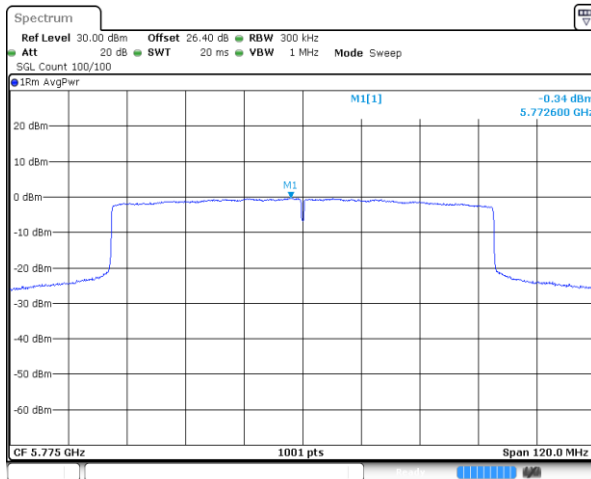
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)

Ant. 0



Note:

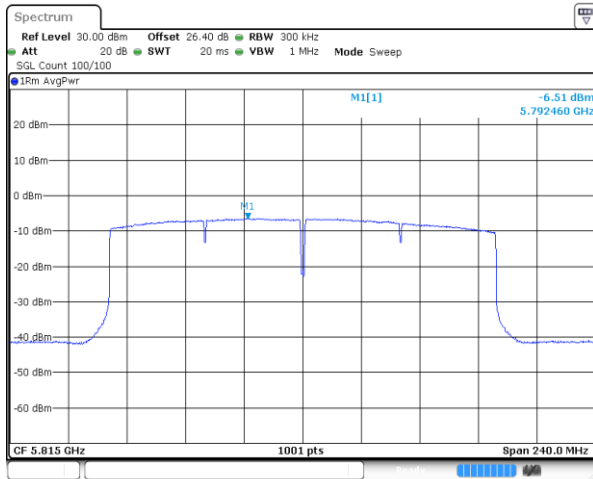
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)

Ant. 0



Note:

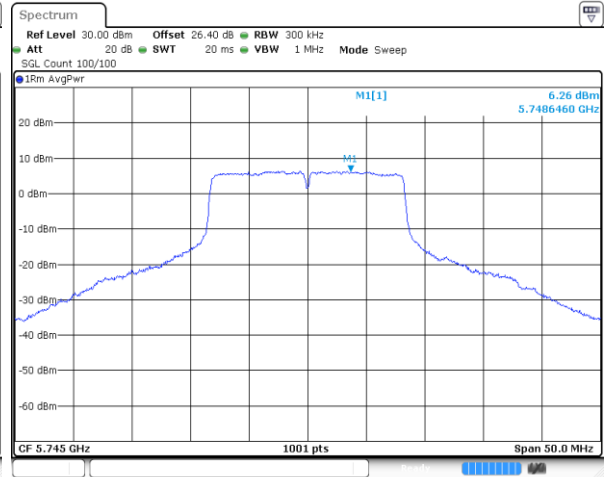
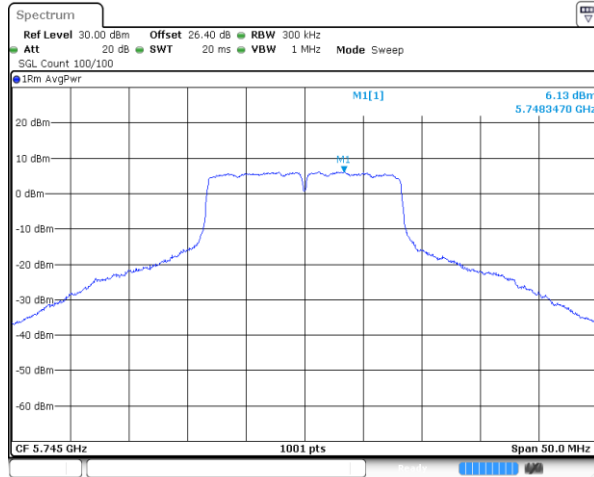
1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



MIMO <Ant. 0+1>

<802.11a>

Maximum Power Density Plot (dBm/MHz)

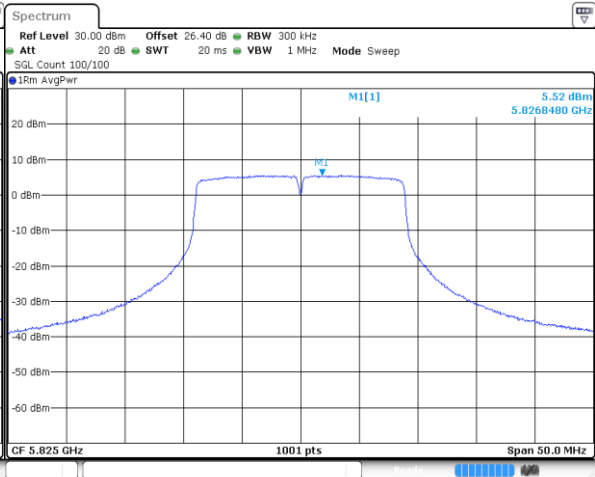
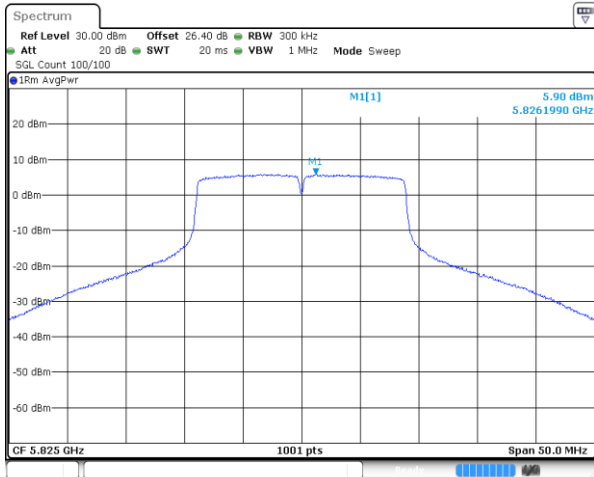


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)



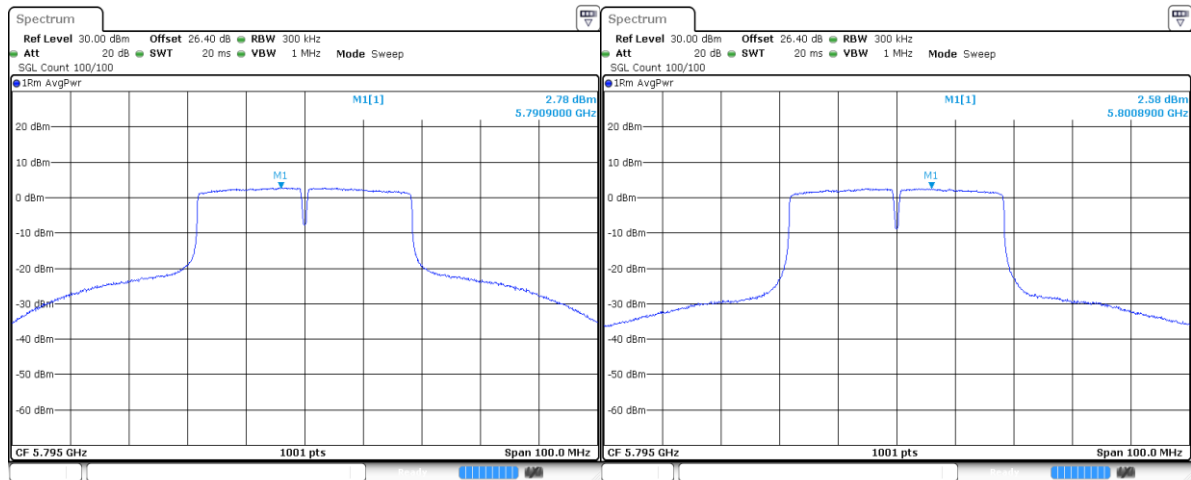
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)

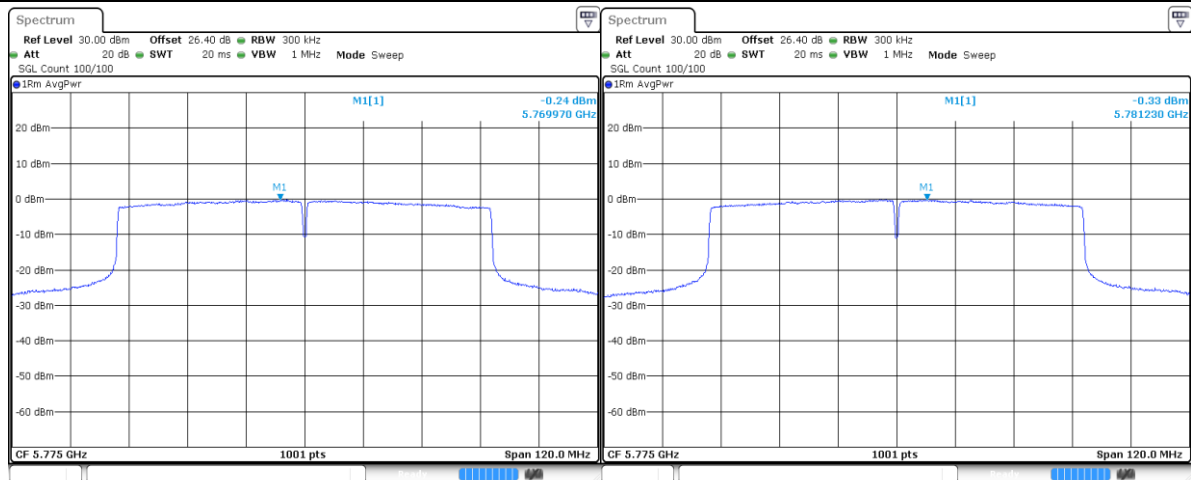


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)



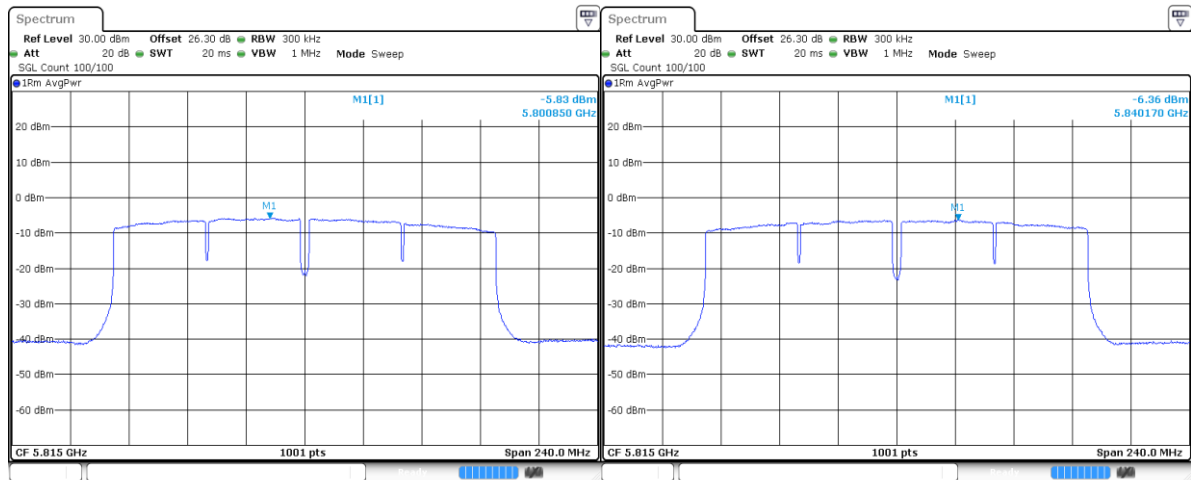
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)

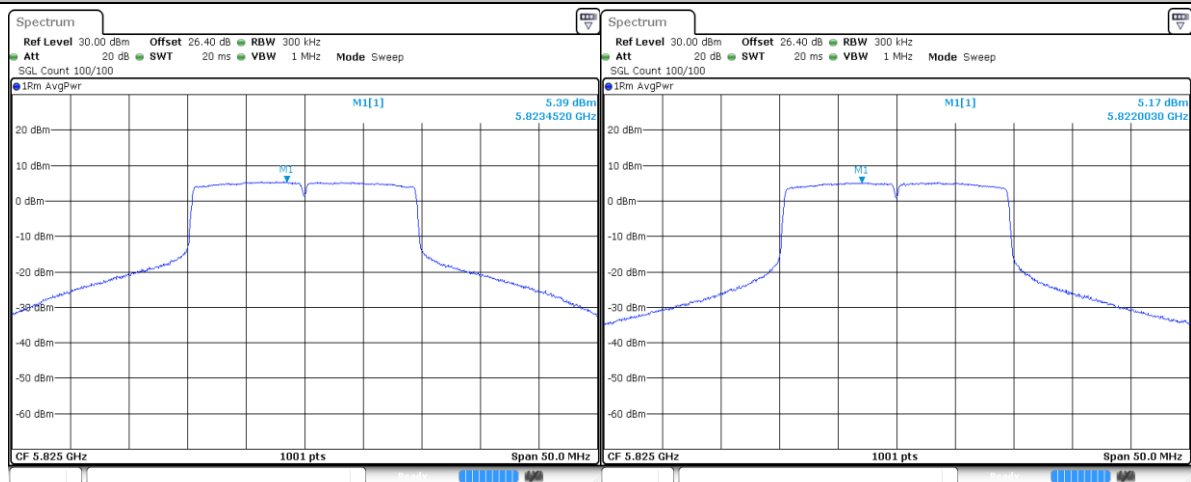


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)



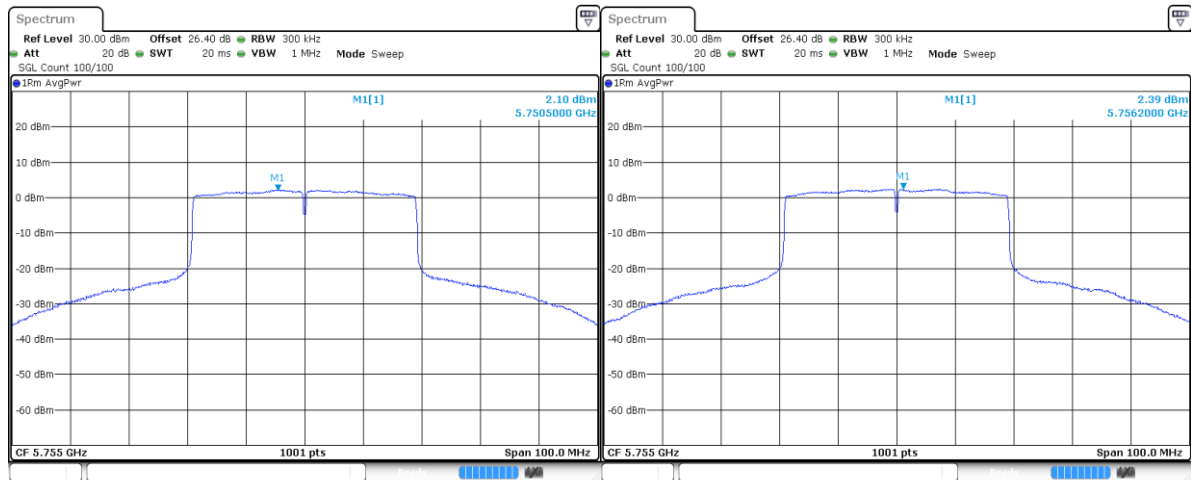
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

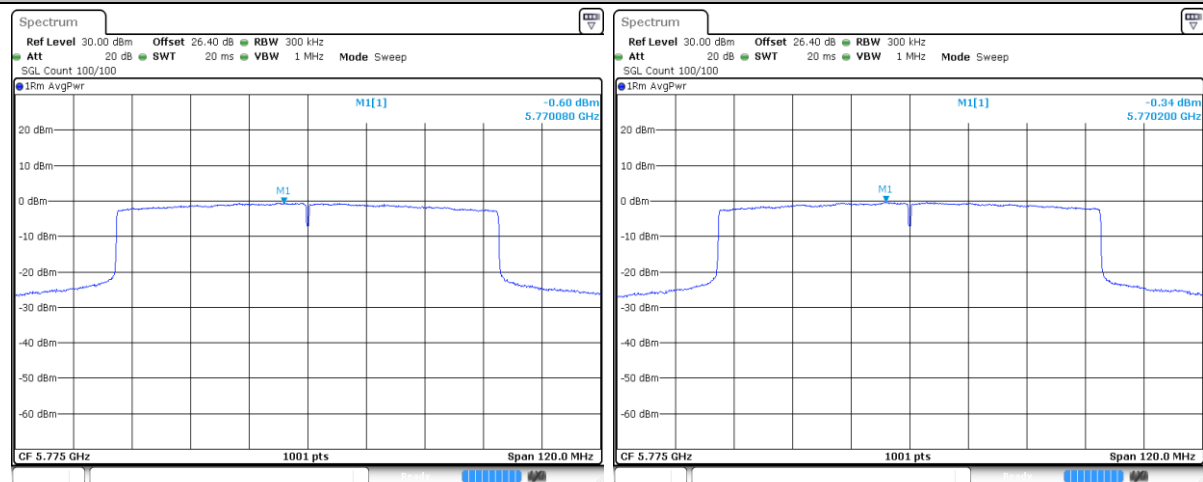


Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)



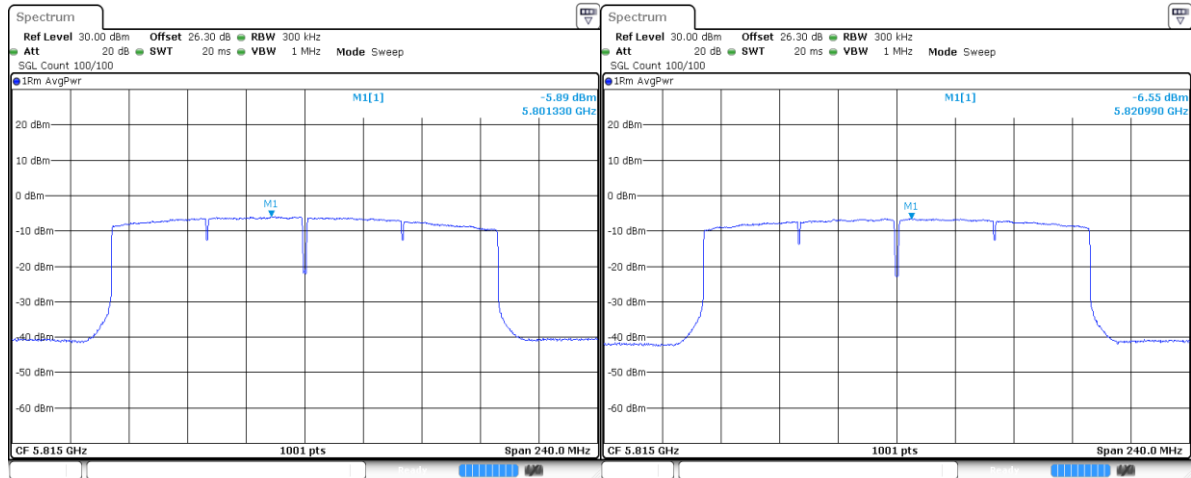
Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)



Note:

1. EIRP Power Density (dBm/MHz) = Measured value+ Duty Factor + Directional Gain
2. The test plot is showing a bin by bin combined result mathematically adds two traces.



Appendix B. AC Conducted Emission Test Results

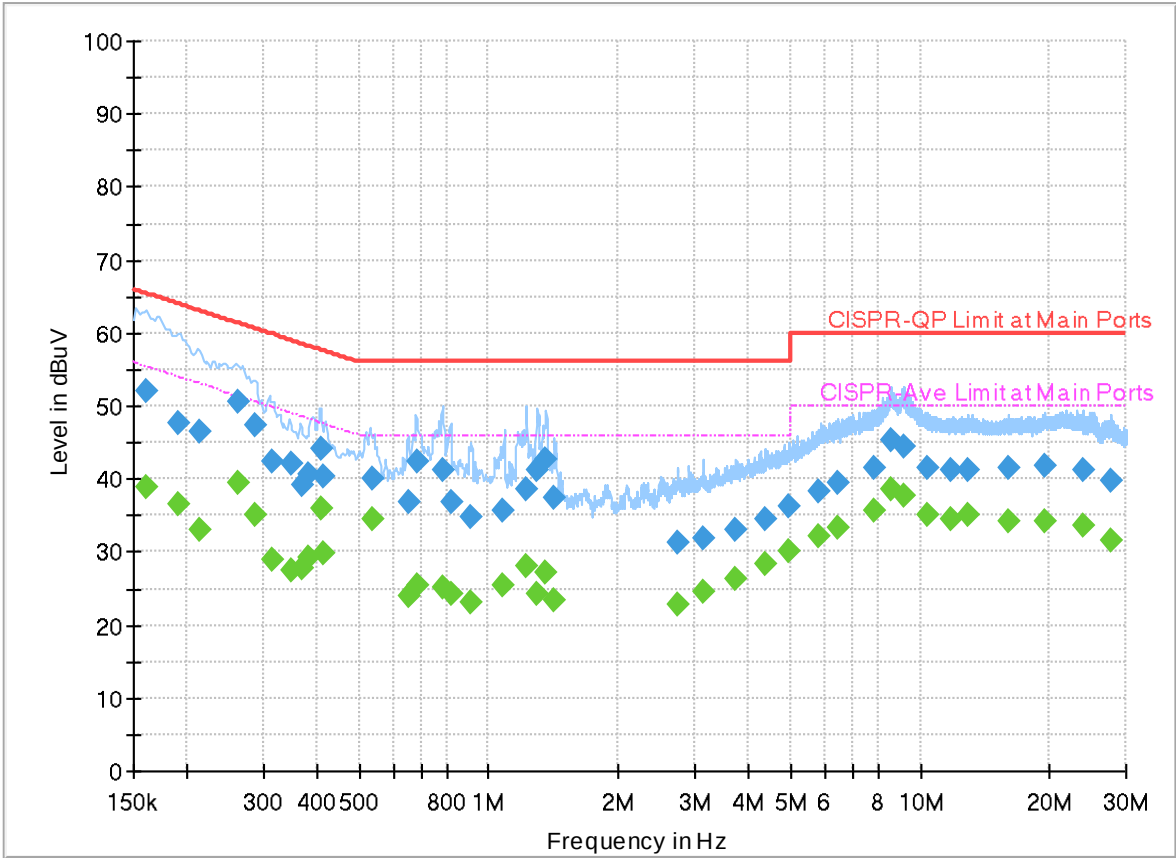
Test Engineer :	Louis Chung	Temperature :	19.3~23.7℃
		Relative Humidity :	42.2~48.5%

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

452002
Mode 1
120Vac/60Hz
Line

Full Spectrum



Final_Result

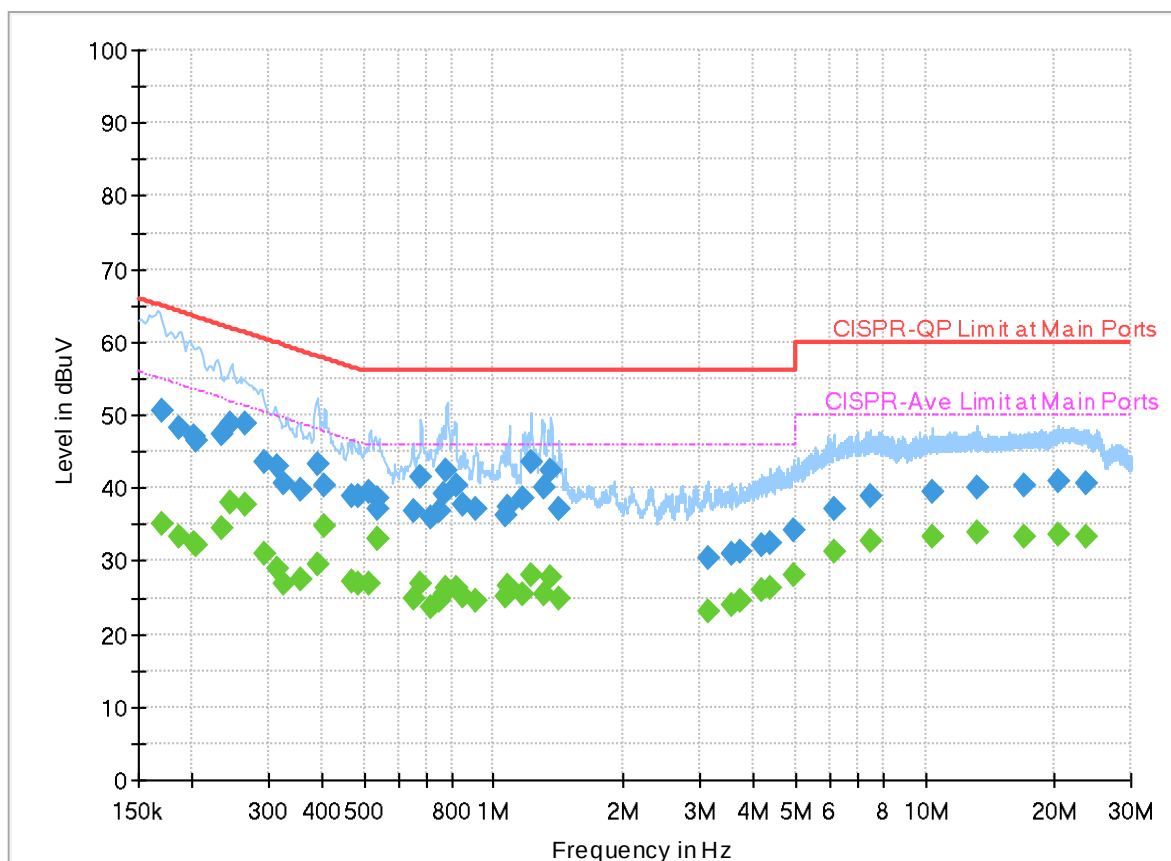
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.159720	---	38.82	55.48	16.66	L1	FLO	19.9
0.159720	52.10	---	65.48	13.38	L1	FLO	19.9
0.190590	---	36.46	54.01	17.55	L1	FLO	19.9
0.190590	47.68	---	64.01	16.33	L1	FLO	19.9
0.213000	---	33.09	53.09	20.00	L1	FLO	19.9
0.213000	46.47	---	63.09	16.62	L1	FLO	19.9
0.261510	---	39.33	51.38	12.05	L1	FLO	19.9
0.261510	50.58	---	61.38	10.80	L1	FLO	19.9
0.287520	---	35.17	50.60	15.43	L1	FLO	19.9
0.287520	47.49	---	60.60	13.11	L1	FLO	19.9
0.314250	---	28.85	49.86	21.01	L1	FLO	19.9
0.314250	42.47	---	59.86	17.39	L1	FLO	19.9
0.350250	---	27.50	48.96	21.46	L1	FLO	19.9
0.350250	42.16	---	58.96	16.80	L1	FLO	19.9
0.370500	---	27.66	48.49	20.83	L1	FLO	19.9
0.370500	39.31	---	58.49	19.18	L1	FLO	19.9
0.384000	---	29.22	48.19	18.97	L1	FLO	19.9
0.384000	40.53	---	58.19	17.66	L1	FLO	19.9
0.407130	---	35.87	47.71	11.84	L1	FLO	19.9

0.407130	44.15	---	57.71	13.56	L1	FLO	19.9
0.413250	---	29.82	47.58	17.76	L1	FLO	19.9
0.413250	40.48	---	57.58	17.10	L1	FLO	19.9
0.534750	---	34.41	46.00	11.59	L1	FLO	19.9
0.534750	40.11	---	56.00	15.89	L1	FLO	19.9
0.649500	---	24.02	46.00	21.98	L1	FLO	19.9
0.649500	36.91	---	56.00	19.09	L1	FLO	19.9
0.680100	---	25.44	46.00	20.56	L1	FLO	19.9
0.680100	42.30	---	56.00	13.70	L1	FLO	19.9
0.779190	---	25.13	46.00	20.87	L1	FLO	19.9
0.779190	41.35	---	56.00	14.65	L1	FLO	19.9
0.820500	---	24.16	46.00	21.84	L1	FLO	19.9
0.820500	36.72	---	56.00	19.28	L1	FLO	19.9
0.912120	---	23.01	46.00	22.99	L1	FLO	19.9
0.912120	34.90	---	56.00	21.10	L1	FLO	19.9
1.081500	---	25.53	46.00	20.47	L1	FLO	19.9
1.081500	35.59	---	56.00	20.41	L1	FLO	19.9
1.216770	---	27.93	46.00	18.07	L1	FLO	19.9
1.216770	38.58	---	56.00	17.42	L1	FLO	19.9
1.298400	---	24.32	46.00	21.68	L1	FLO	19.9
1.298400	41.15	---	56.00	14.85	L1	FLO	19.9
1.356720	---	27.10	46.00	18.90	L1	FLO	20.0
1.356720	42.76	---	56.00	13.24	L1	FLO	20.0
1.420170	---	23.39	46.00	22.61	L1	FLO	20.0
1.420170	37.40	---	56.00	18.60	L1	FLO	20.0
2.732010	---	22.67	46.00	23.33	L1	FLO	20.0
2.732010	31.27	---	56.00	24.73	L1	FLO	20.0
3.147360	---	24.62	46.00	21.38	L1	FLO	20.0
3.147360	31.98	---	56.00	24.02	L1	FLO	20.0
3.747570	---	26.38	46.00	19.62	L1	FLO	20.0
3.747570	33.05	---	56.00	22.95	L1	FLO	20.0
4.386210	---	28.24	46.00	17.76	L1	FLO	20.0
4.386210	34.64	---	56.00	21.36	L1	FLO	20.0
4.983000	---	29.99	46.00	16.01	L1	FLO	20.0
4.983000	36.18	---	56.00	19.82	L1	FLO	20.0
5.838000	---	32.13	50.00	17.87	L1	FLO	20.0
5.838000	38.34	---	60.00	21.66	L1	FLO	20.0
6.449370	---	33.39	50.00	16.61	L1	FLO	20.0
6.449370	39.57	---	60.00	20.43	L1	FLO	20.0
7.784250	---	35.53	50.00	14.47	L1	FLO	20.1
7.784250	41.61	---	60.00	18.39	L1	FLO	20.1
8.580750	---	38.47	50.00	11.53	L1	FLO	20.1
8.580750	45.31	---	60.00	14.69	L1	FLO	20.1
9.142080	---	37.72	50.00	12.28	L1	FLO	20.1
9.142080	44.43	---	60.00	15.57	L1	FLO	20.1
10.428810	---	35.13	50.00	14.87	L1	FLO	20.1
10.428810	41.51	---	60.00	18.49	L1	FLO	20.1
11.813820	---	34.64	50.00	15.36	L1	FLO	20.1
11.813820	41.10	---	60.00	18.90	L1	FLO	20.1
12.972750	---	34.98	50.00	15.02	L1	FLO	20.1
12.972750	41.34	---	60.00	18.66	L1	FLO	20.1
16.083150	---	34.17	50.00	15.83	L1	FLO	20.1
16.083150	41.54	---	60.00	18.46	L1	FLO	20.1
19.446000	---	34.26	50.00	15.74	L1	FLO	20.1
19.446000	41.84	---	60.00	18.16	L1	FLO	20.1
23.811000	---	33.59	50.00	16.41	L1	FLO	20.2
23.811000	41.32	---	60.00	18.68	L1	FLO	20.2
27.774420	---	31.65	50.00	18.35	L1	FLO	20.2
27.774420	39.71	---	60.00	20.29	L1	FLO	20.2

EUT Information

Report NO : 452002
 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)
0.170250	---	35.17	54.95	19.78	N	FLO	19.9
0.170250	50.59	---	64.95	14.36	N	FLO	19.9
0.187170	---	33.34	54.16	20.82	N	FLO	19.9
0.187170	48.16	---	64.16	16.00	N	FLO	19.9
0.201750	---	32.33	53.54	21.21	N	FLO	19.9
0.201750	47.13	---	63.54	16.41	N	FLO	19.9
0.204360	---	32.23	53.43	21.20	N	FLO	19.9
0.204360	46.52	---	63.43	16.91	N	FLO	19.9
0.233250	---	34.41	52.33	17.92	N	FLO	19.9
0.233250	47.39	---	62.33	14.94	N	FLO	19.9
0.245940	---	37.88	51.89	14.01	N	FLO	19.9
0.245940	48.78	---	61.89	13.11	N	FLO	19.9
0.265290	---	37.86	51.26	13.40	N	FLO	19.9
0.265290	48.95	---	61.26	12.31	N	FLO	19.9
0.294000	---	30.87	50.41	19.54	N	FLO	19.9
0.294000	43.48	---	60.41	16.93	N	FLO	19.9
0.314250	---	28.82	49.86	21.04	N	FLO	19.9
0.314250	43.11	---	59.86	16.75	N	FLO	19.9
0.325500	---	26.89	49.57	22.68	N	FLO	19.9

0.325500	40.50	---	59.57	19.07	N	FLO	19.9
0.357000	---	27.40	48.80	21.40	N	FLO	19.9
0.357000	39.91	---	58.80	18.89	N	FLO	19.9
0.388770	---	29.53	48.09	18.56	N	FLO	19.9
0.388770	43.42	---	58.09	14.67	N	FLO	19.9
0.402000	---	34.87	47.81	12.94	N	FLO	19.9
0.402000	40.49	---	57.81	17.32	N	FLO	19.9
0.470670	---	27.21	46.50	19.29	N	FLO	19.9
0.470670	38.76	---	56.50	17.74	N	FLO	19.9
0.483000	---	26.92	46.29	19.37	N	FLO	19.9
0.483000	38.86	---	56.29	17.43	N	FLO	19.9
0.514320	---	26.91	46.00	19.09	N	FLO	19.9
0.514320	39.46	---	56.00	16.54	N	FLO	19.9
0.534750	---	33.12	46.00	12.88	N	FLO	19.9
0.534750	38.73	---	56.00	17.27	N	FLO	19.9
0.537000	---	32.93	46.00	13.07	N	FLO	19.9
0.537000	37.22	---	56.00	18.78	N	FLO	19.9
0.655170	---	24.95	46.00	21.05	N	FLO	19.9
0.655170	36.97	---	56.00	19.03	N	FLO	19.9
0.677220	---	26.87	46.00	19.13	N	FLO	19.9
0.677220	41.52	---	56.00	14.48	N	FLO	19.9
0.713220	---	23.79	46.00	22.21	N	FLO	19.9
0.713220	35.90	---	56.00	20.10	N	FLO	19.9
0.747330	---	24.51	46.00	21.49	N	FLO	19.9
0.747330	36.89	---	56.00	19.11	N	FLO	19.9
0.768750	---	25.43	46.00	20.57	N	FLO	19.9
0.768750	39.23	---	56.00	16.77	N	FLO	19.9
0.775500	---	26.45	46.00	19.55	N	FLO	19.9
0.775500	42.40	---	56.00	13.60	N	FLO	19.9
0.817620	---	26.41	46.00	19.59	N	FLO	19.9
0.817620	40.21	---	56.00	15.79	N	FLO	19.9
0.851460	---	25.17	46.00	20.83	N	FLO	19.9
0.851460	37.58	---	56.00	18.42	N	FLO	19.9
0.905190	---	24.61	46.00	21.39	N	FLO	19.9
0.905190	37.06	---	56.00	18.94	N	FLO	19.9
1.063500	---	25.04	46.00	20.96	N	FLO	20.0
1.063500	36.38	---	56.00	19.62	N	FLO	20.0
1.081500	---	26.72	46.00	19.28	N	FLO	20.0
1.081500	37.38	---	56.00	18.62	N	FLO	20.0
1.171500	---	25.32	46.00	20.68	N	FLO	20.0
1.171500	38.67	---	56.00	17.33	N	FLO	20.0
1.221090	---	27.96	46.00	18.04	N	FLO	20.0
1.221090	43.51	---	56.00	12.49	N	FLO	20.0
1.302000	---	25.30	46.00	20.70	N	FLO	20.0
1.302000	39.92	---	56.00	16.08	N	FLO	20.0
1.355100	---	27.81	46.00	18.19	N	FLO	20.0
1.355100	42.38	---	56.00	13.62	N	FLO	20.0
1.421250	---	24.81	46.00	21.19	N	FLO	20.0
1.421250	37.18	---	56.00	18.82	N	FLO	20.0
3.132150	---	23.07	46.00	22.93	N	FLO	20.0
3.132150	30.33	---	56.00	25.67	N	FLO	20.0
3.545250	---	24.09	46.00	21.91	N	FLO	20.0
3.545250	31.00	---	56.00	25.00	N	FLO	20.0
3.734250	---	24.53	46.00	21.47	N	FLO	20.0
3.734250	31.26	---	56.00	24.74	N	FLO	20.0
4.174440	---	25.89	46.00	20.11	N	FLO	20.0
4.174440	32.12	---	56.00	23.88	N	FLO	20.0
4.385040	---	26.44	46.00	19.56	N	FLO	20.0
4.385040	32.46	---	56.00	23.54	N	FLO	20.0
4.976250	---	28.19	46.00	17.81	N	FLO	20.0
4.976250	34.12	---	56.00	21.88	N	FLO	20.0
6.152280	---	31.20	50.00	18.80	N	FLO	20.0
6.152280	37.15	---	60.00	22.85	N	FLO	20.0
7.456830	---	32.85	50.00	17.15	N	FLO	20.1
7.456830	38.75	---	60.00	21.25	N	FLO	20.1
10.382910	---	33.42	50.00	16.58	N	FLO	20.1
10.382910	39.54	---	60.00	20.46	N	FLO	20.1
13.152210	---	33.82	50.00	16.18	N	FLO	20.1
13.152210	40.19	---	60.00	19.81	N	FLO	20.1
16.912230	---	33.42	50.00	16.58	N	FLO	20.2
16.912230	40.43	---	60.00	19.57	N	FLO	20.2

20.411250	---	33.72	50.00	16.28	N	FLO	20.2
20.411250	41.07	---	60.00	18.93	N	FLO	20.2
23.577090	---	33.43	50.00	16.57	N	FLO	20.2
23.577090	40.75	---	60.00	19.25	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jack Cheng, Ray Lung and Sky Chang	Temperature :	18~26°C
		Relative Humidity :	50~70%

Note symbol

-L	Low channel location
-R	High channel location

C1-1. Radiated Spurious Emission Test Modes

<SISO>

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 81	U-NII-3	5.725-5.85	0	802.11a	149	5745	6Mbps	-	-
Mode 82	U-NII-3	5.725-5.85	0	802.11a	157	5785	6Mbps	-	-
Mode 83	U-NII-3	5.725-5.85	0	802.11a	165	5825	6Mbps	-	-
Mode 89	U-NII-3	5.725-5.85	0	802.11ac VHT20	149	5745	MCS0	-	-
Mode 90	U-NII-3	5.725-5.85	0	802.11ac VHT20	157	5785	MCS0	-	-
Mode 91	U-NII-3	5.725-5.85	0	802.11ac VHT20	165	5825	MCS0	-	-
Mode 92	U-NII-3	5.725-5.85	0	802.11ac VHT40	151	5755	MCS0	-	-
Mode 93	U-NII-3	5.725-5.85	0	802.11ac VHT40	159	5795	MCS0	-	-
Mode 94	U-NII-3	5.725-5.85	0	802.11ac VHT80	155	5775	MCS0	-	-
Mode 95	U-NII-3	5.725-5.85	0	802.11ac VHT160	163	5815	MCS0	-	-
Mode 96	U-NII-3	5.725-5.85	0	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 97	U-NII-3	5.725-5.85	0	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 98	U-NII-3	5.725-5.85	0	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 99	U-NII-3	5.725-5.85	0	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 100	U-NII-3	5.725-5.85	0	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 101	U-NII-3	5.725-5.85	0	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 102	U-NII-3	5.725-5.85	0	802.11ax HE160	163	5815	MCS0	Full RU	-
Mode 103	U-NII-3	5.725-5.85	0	802.11ax HE80	155	5775	MCS0	Full RU	LF
Mode 104	U-NII-3	5.725-5.85	0	802.11ax HE80	155	5775	MCS0	Full RU	SHF



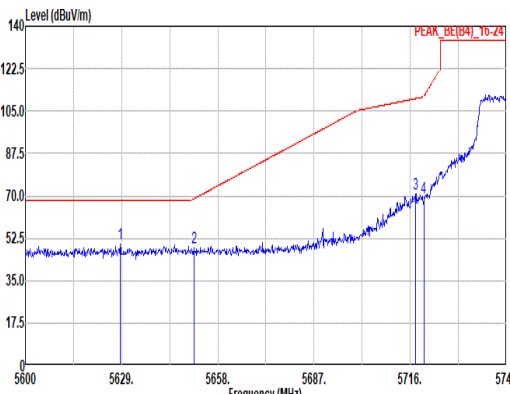
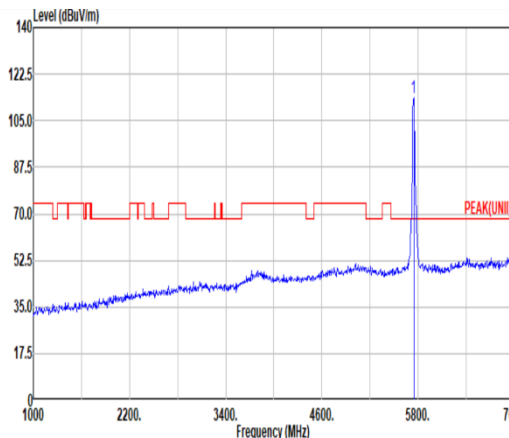
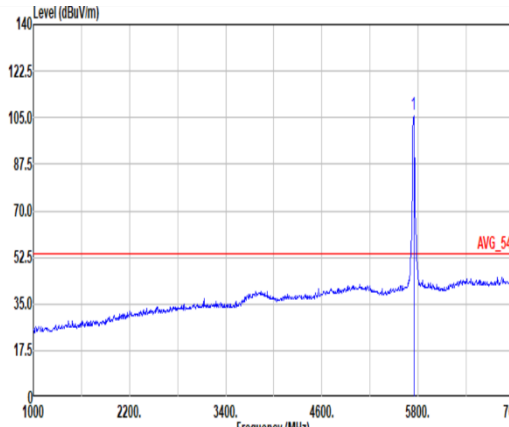
C1-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
81	802.11a	149	5648.58	50.67	68.20	-17.53	V	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	41.84	54.00	-12.16	V	Avg.	Pass	-	Harmonic
82	802.11a	157	5644.77	50.13	68.20	-18.07	V	Peak	Pass	-	Band Edge
	802.11a	157	11570.00	43.03	54.00	-10.97	V	Avg.	Pass	-	Harmonic
83	802.11a	165	5927.75	51.49	68.20	-16.71	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	44.42	54.00	-9.58	V	Avg.	Pass	-	Harmonic
89	802.11ac VHT20	149	5649.74	50.80	68.20	-17.40	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	149	11490.00	40.36	54.00	-13.64	V	Avg.	Pass	-	Harmonic
90	802.11ac VHT20	157	5634.60	50.52	68.20	-17.68	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	157	11570.00	40.09	54.00	-13.91	V	Avg.	Pass	-	Harmonic
91	802.11ac VHT20	165	5929.50	52.54	68.20	-15.66	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	165	11650.00	44.16	54.00	-9.84	V	Avg.	Pass	-	Harmonic
92	802.11ac VHT40	151	5653.32	62.50	70.67	-8.17	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	151	11510.00	40.52	54.00	-13.48	V	Avg.	Pass	-	Harmonic
93	802.11ac VHT40	159	5925.20	54.56	68.20	-13.64	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	159	11590.00	40.13	54.00	-13.87	V	Avg.	Pass	-	Harmonic
94	802.11ac VHT80	155	5643.75	66.90	68.20	-1.30	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	11550.00	40.32	54.00	-13.68	H	Avg.	Pass	-	Harmonic
95	802.11ac VHT160	163	5647.09	64.71	68.20	-3.49	V	Peak	Pass	-	Band Edge
	802.11ac VHT160	163	11630.00	40.49	54.00	-13.51	H	Avg.	Pass	-	Harmonic
96	802.11ax HE20	149	5648.87	52.13	68.20	-16.07	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	11490.00	40.44	54.00	-13.56	H	Avg.	Pass	Full RU	Harmonic
97	802.11ax HE20	157	5945.22	51.31	68.20	-16.89	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	11570.00	40.22	54.00	-13.78	H	Avg.	Pass	Full RU	Harmonic
98	802.11ax HE20	165	5934.25	51.65	68.20	-16.55	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	11650.00	40.22	54.00	-13.78	H	Avg.	Pass	Full RU	Harmonic
99	802.11ax HE40	151	5649.14	58.67	68.20	-9.53	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	151	11510.00	40.37	54.00	-13.63	H	Avg.	Pass	Full RU	Harmonic
100	802.11ax HE40	159	5926.75	56.13	68.20	-12.07	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	159	11590.00	40.11	54.00	-13.89	H	Avg.	Pass	Full RU	Harmonic



Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
101	802.11ax HE80	155	5649.53	67.16	68.20	-1.04	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	155	11550.00	40.33	54.00	-13.67	V	Avg.	Pass	Full RU	Harmonic
102	802.11ax HE160	163	5648.16	65.67	68.20	-2.53	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE160	163	11630.00	40.14	54.00	-13.86	H	Avg.	Pass	Full RU	Harmonic
103	LF	155	159.01	35.29	43.50	-8.21	V	Peak	Pass	Full RU	LF
104	SHF	155	39494.69	40.94	54.00	-13.06	H	Avg.	Pass	Full RU	SHF

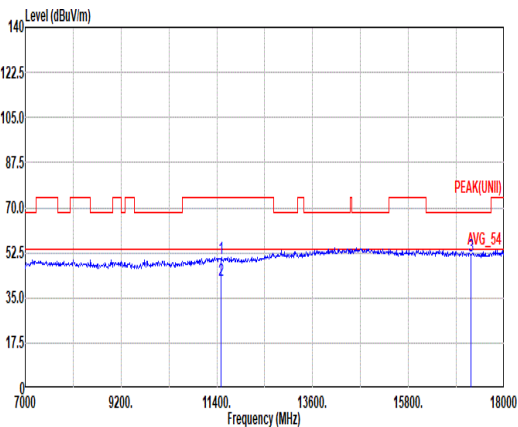
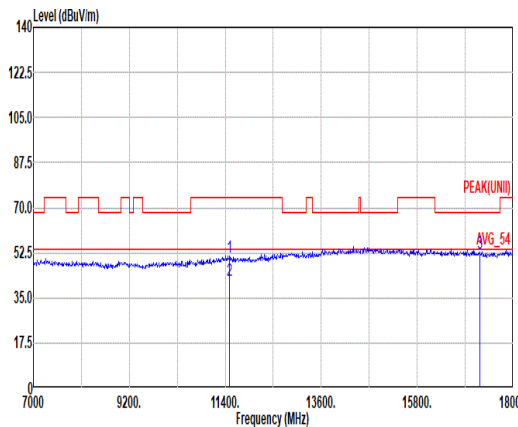


Mode	81																																																																																																															
	Band Edge																																																																																																															
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz																																																																																																															
ANT	0																																																																																																															
Pol.	Horizontal	Fundamental																																																																																																														
Peak	 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_230712 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 Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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></th></tr><tr><td>1</td><td>5628.57</td><td>50.37</td><td>68.20</td><td>-17.83</td><td>39.04</td><td>33.17</td><td>13.10</td><td>34.94</td><td>0.00 109 213 PEAK</td></tr><tr><td>2</td><td>5650.75</td><td>48.50</td><td>68.76</td><td>-20.26</td><td>37.03</td><td>33.30</td><td>13.13</td><td>34.96</td><td>0.00 109 213 PEAK</td></tr><tr><td>3</td><td>5717.60</td><td>70.99</td><td>110.13</td><td>-39.14</td><td>59.11</td><td>33.67</td><td>13.23</td><td>35.02</td><td>0.00 109 213 PEAK</td></tr><tr><td>4</td><td>5720.06</td><td>69.46</td><td>110.94</td><td>-41.48</td><td>57.57</td><td>33.68</td><td>13.23</td><td>35.02</td><td>0.00 109 213 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		1	5628.57	50.37	68.20	-17.83	39.04	33.17	13.10	34.94	0.00 109 213 PEAK	2	5650.75	48.50	68.76	-20.26	37.03	33.30	13.13	34.96	0.00 109 213 PEAK	3	5717.60	70.99	110.13	-39.14	59.11	33.67	13.23	35.02	0.00 109 213 PEAK	4	5720.06	69.46	110.94	-41.48	57.57	33.68	13.23	35.02	0.00 109 213 PEAK	 Site : 03CH21-HY Condition: PEAK(UNI) 3m DRH18-E_LE2C03A18EN_230712 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 Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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></th></tr><tr><td>1</td><td>5745.00</td><td>113.35</td><td>-----</td><td>-----</td><td>101.34</td><td>33.78</td><td>13.27</td><td>35.04</td><td>0.00 109 213 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		1	5745.00	113.35	-----	-----	101.34	33.78	13.27	35.04	0.00 109 213 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																																																																																																								
1	5628.57	50.37	68.20	-17.83	39.04	33.17	13.10	34.94	0.00 109 213 PEAK																																																																																																							
2	5650.75	48.50	68.76	-20.26	37.03	33.30	13.13	34.96	0.00 109 213 PEAK																																																																																																							
3	5717.60	70.99	110.13	-39.14	59.11	33.67	13.23	35.02	0.00 109 213 PEAK																																																																																																							
4	5720.06	69.46	110.94	-41.48	57.57	33.68	13.23	35.02	0.00 109 213 PEAK																																																																																																							
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																							
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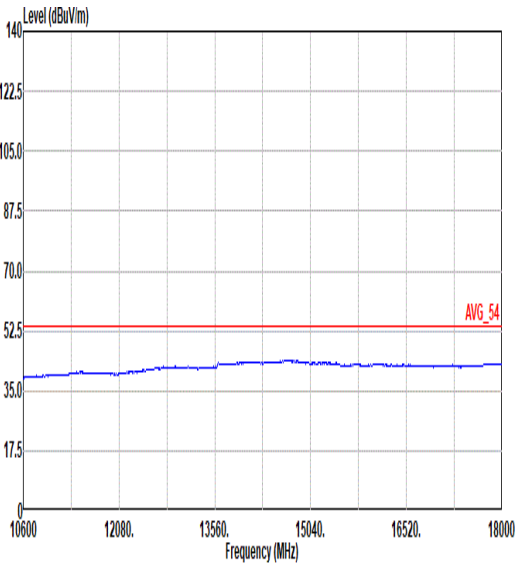
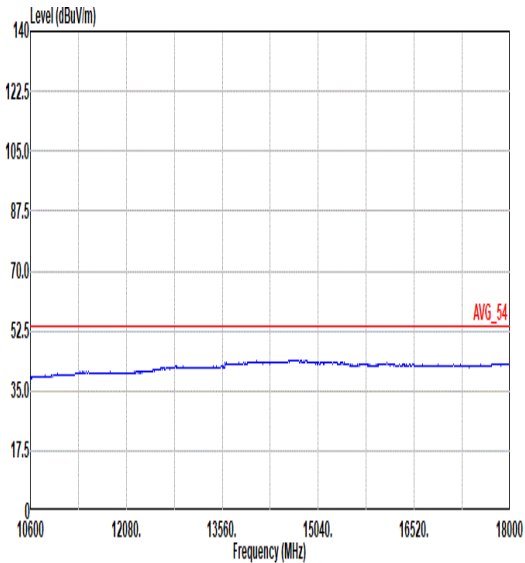


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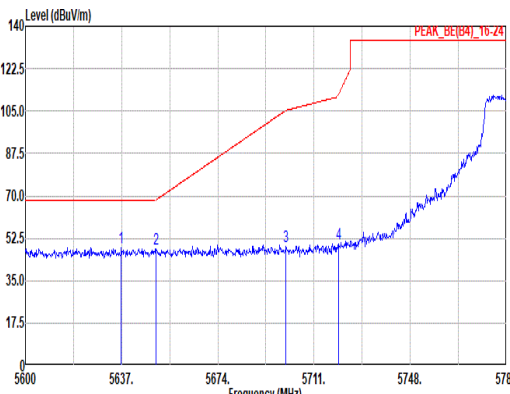
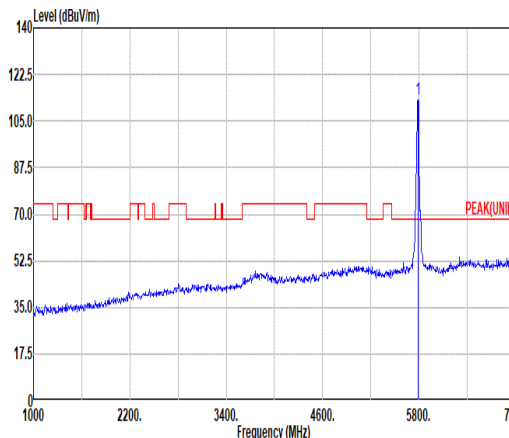
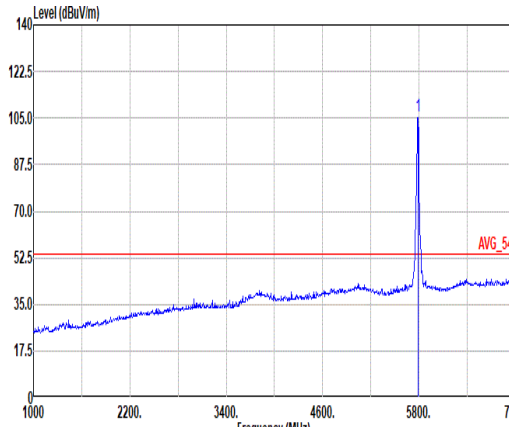


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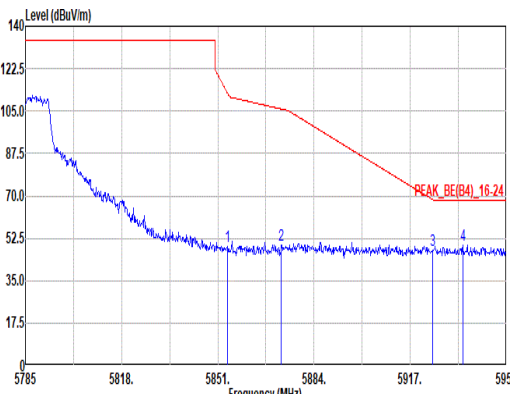


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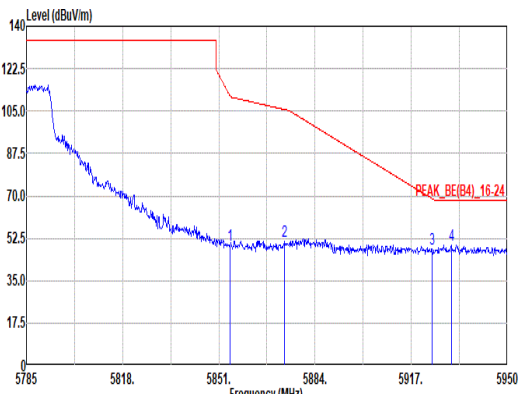


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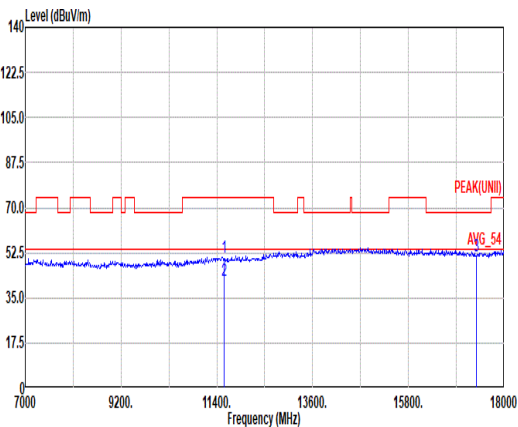
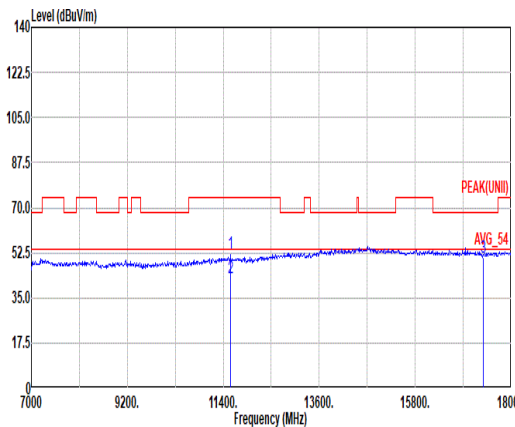


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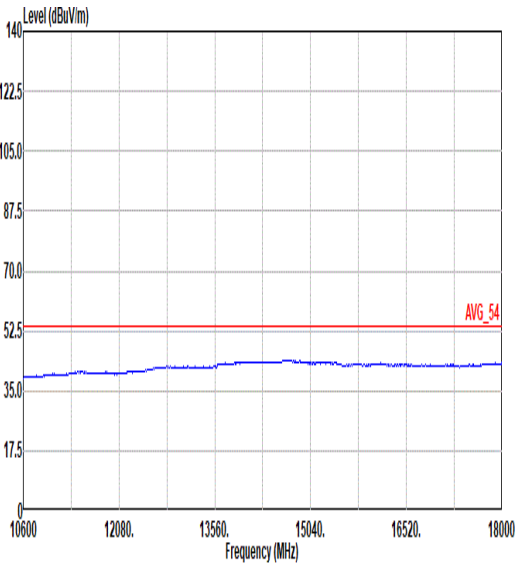
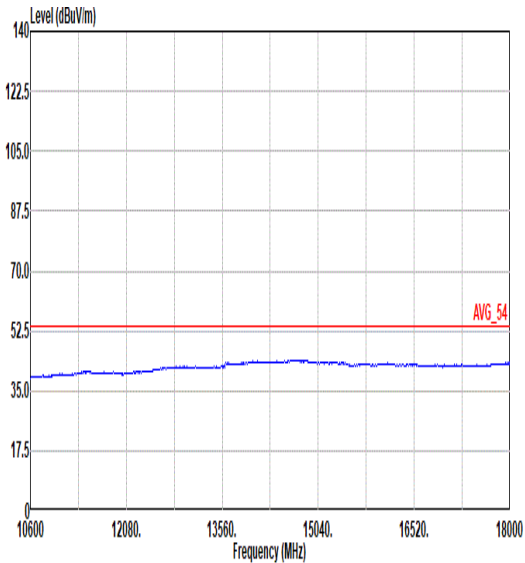


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Pol.	Horizontal	Vertical																																																																																																																								
Peak Avg	 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL <table><tr><th></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 11570.00</td><td>50.91</td><td>74.00</td><td>-23.09</td><td>33.51</td><td>38.56</td><td>19.13</td><td>40.72</td><td>0.43</td><td>388 219 PEAK</td></tr><tr><td>2 11570.00</td><td>41.53</td><td>54.00</td><td>-12.47</td><td>24.13</td><td>38.56</td><td>19.13</td><td>40.72</td><td>0.43</td><td>388 219 AVERAGE</td></tr><tr><td>3 17355.00</td><td>51.47</td><td>68.20</td><td>-16.73</td><td>34.85</td><td>39.91</td><td>23.69</td><td>47.44</td><td>0.46</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	dB	cm deg	1 11570.00	50.91	74.00	-23.09	33.51	38.56	19.13	40.72	0.43	388 219 PEAK	2 11570.00	41.53	54.00	-12.47	24.13	38.56	19.13	40.72	0.43	388 219 AVERAGE	3 17355.00	51.47	68.20	-16.73	34.85	39.91	23.69	47.44	0.46	-- -- PEAK	 Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_230712 VERTICAL <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 11570.00</td><td>52.13</td><td>74.00</td><td>-21.87</td><td>34.73</td><td>38.56</td><td>19.13</td><td>40.72</td><td>0.43</td><td>209 283 PEAK</td></tr><tr><td>2 11570.00</td><td>43.03</td><td>54.00</td><td>-10.97</td><td>25.63</td><td>38.56</td><td>19.13</td><td>40.72</td><td>0.43</td><td>209 283 AVERAGE</td></tr><tr><td>3 17355.00</td><td>50.83</td><td>68.20</td><td>-17.37</td><td>34.21</td><td>39.91</td><td>23.69</td><td>47.44</td><td>0.46</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	dB	cm deg	1 11570.00	52.13	74.00	-21.87	34.73	38.56	19.13	40.72	0.43	209 283 PEAK	2 11570.00	43.03	54.00	-10.97	25.63	38.56	19.13	40.72	0.43	209 283 AVERAGE	3 17355.00	50.83	68.20	-17.37	34.21	39.91	23.69	47.44	0.46	-- -- PEAK
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																
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2 11570.00	41.53	54.00	-12.47	24.13	38.56	19.13	40.72	0.43	388 219 AVERAGE																																																																																																																	
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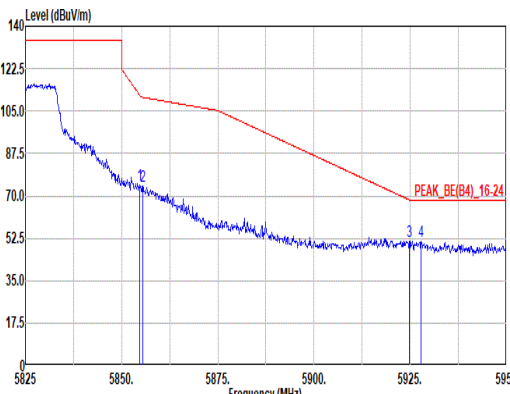
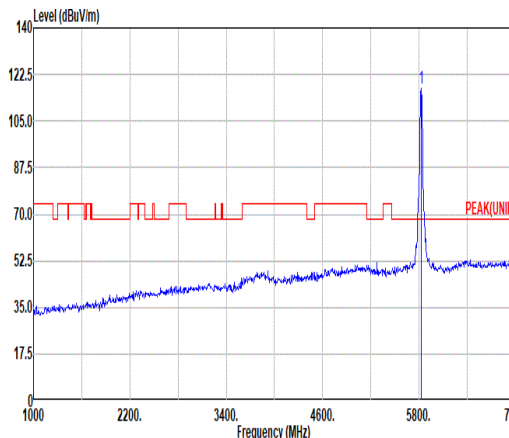
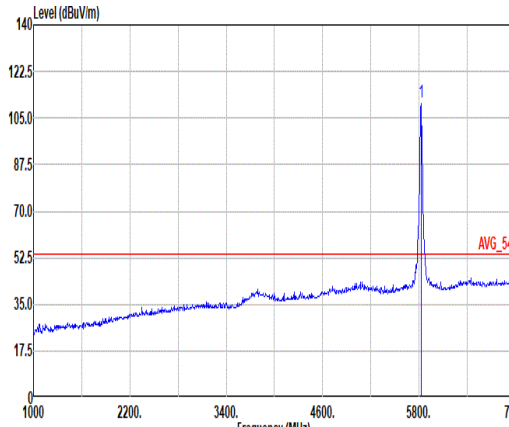


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ANT	0	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL

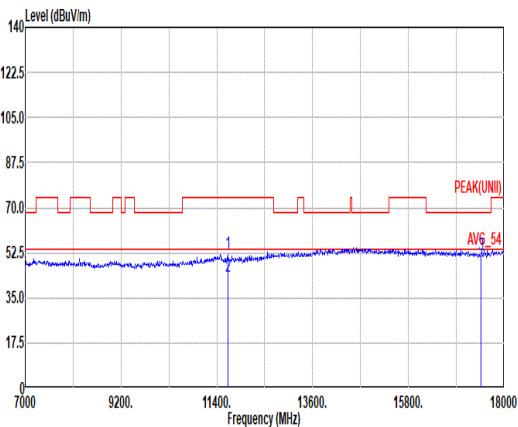
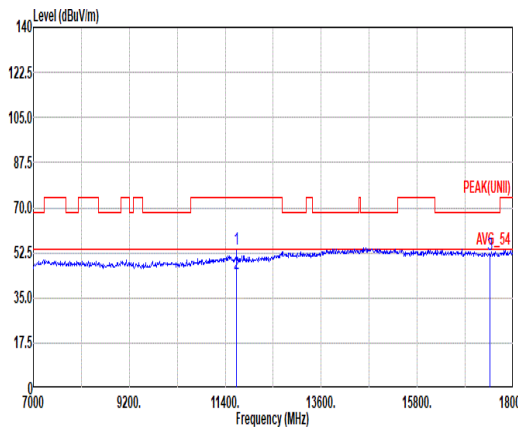


		83									
Mode	Band Edge										
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ANT	0										
Pol.	Horizontal										
Peak	<										

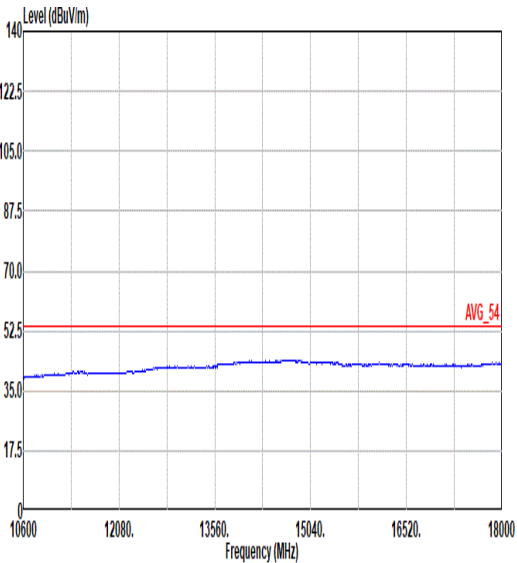
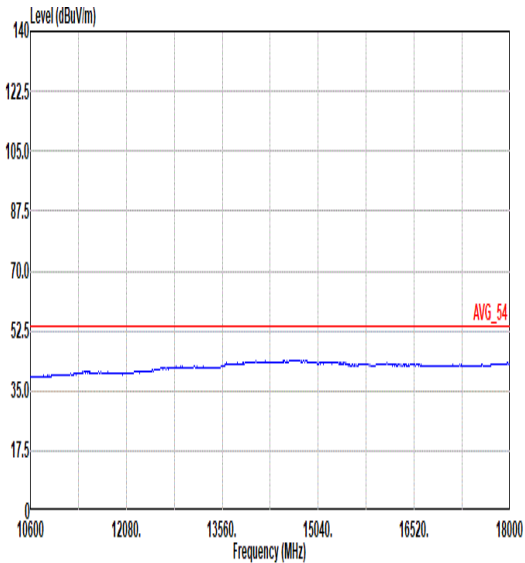


Mode	83																																																																																																																																									
	Band Edge																																																																																																																																									
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz																																																																																																																																									
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Pol.	Vertical						Fundamental																																																																																																																																			
Peak																																																																																																																																										
	Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT: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</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>5854.75</td><td>74.71</td><td>111.37</td><td>-36.66</td><td>62.63</td><td>33.80</td><td>13.42</td><td>35.14</td><td>0.00</td><td>100</td><td>159</td><td>PEAK</td></tr><tr><td>2</td><td>5855.50</td><td>73.77</td><td>110.66</td><td>-36.89</td><td>61.69</td><td>33.80</td><td>13.42</td><td>35.14</td><td>0.00</td><td>100</td><td>159</td><td>PEAK</td></tr><tr><td>3</td><td>5924.75</td><td>51.32</td><td>68.38</td><td>-17.06</td><td>39.22</td><td>33.80</td><td>13.50</td><td>35.20</td><td>0.00</td><td>100</td><td>159</td><td>PEAK</td></tr><tr><td>4</td><td>5927.75</td><td>51.49</td><td>68.20</td><td>-16.71</td><td>39.39</td><td>33.80</td><td>13.50</td><td>35.20</td><td>0.00</td><td>100</td><td>159</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	5854.75	74.71	111.37	-36.66	62.63	33.80	13.42	35.14	0.00	100	159	PEAK	2	5855.50	73.77	110.66	-36.89	61.69	33.80	13.42	35.14	0.00	100	159	PEAK	3	5924.75	51.32	68.38	-17.06	39.22	33.80	13.50	35.20	0.00	100	159	PEAK	4	5927.75	51.49	68.20	-16.71	39.39	33.80	13.50	35.20	0.00	100	159	PEAK	Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT: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</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>117.28</td><td>-----</td><td>-----</td><td>105.16</td><td>33.84</td><td>13.39</td><td>35.11</td><td>0.00</td><td>100</td><td>159</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	5825.00	117.28	-----	-----	105.16	33.84	13.39	35.11	0.00	100	159
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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1	5854.75	74.71	111.37	-36.66	62.63	33.80	13.42	35.14	0.00	100	159	PEAK																																																																																																																														
2	5855.50	73.77	110.66	-36.89	61.69	33.80	13.42	35.14	0.00	100	159	PEAK																																																																																																																														
3	5924.75	51.32	68.38	-17.06	39.22	33.80	13.50	35.20	0.00	100	159	PEAK																																																																																																																														
4	5927.75	51.49	68.20	-16.71	39.39	33.80	13.50	35.20	0.00	100	159	PEAK																																																																																																																														
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
Freq	Level	Line Margin	Level	Factor	Loss	Factor	Factor																																																																																																																																			
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1	5825.00	117.28	-----	-----	105.16	33.84	13.39	35.11	0.00	100	159	PEAK																																																																																																																														
Avg	Blank																																																																																																																																									
							Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT: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</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>111.04</td><td>-----</td><td>-----</td><td>98.92</td><td>33.84</td><td>13.39</td><td>35.11</td><td>0.00</td><td>100</td><td>159</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	5825.00	111.04	-----	-----	98.92	33.84	13.39	35.11	0.00	100	159	AVERAGE																																																																																		
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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1	5825.00	111.04	-----	-----	98.92	33.84	13.39	35.11	0.00	100	159	AVERAGE																																																																																																																														

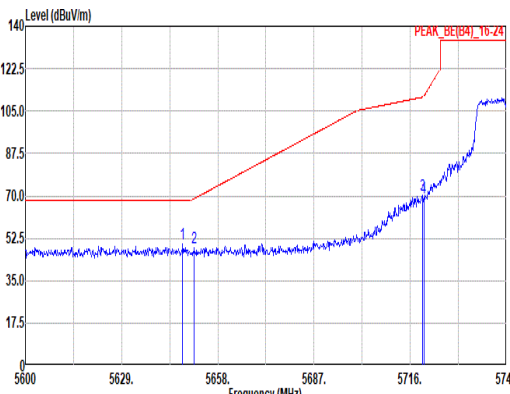
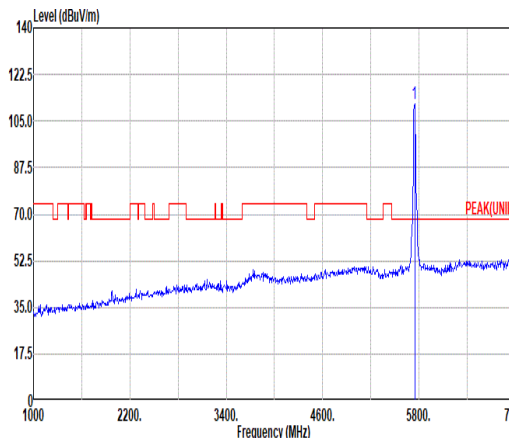
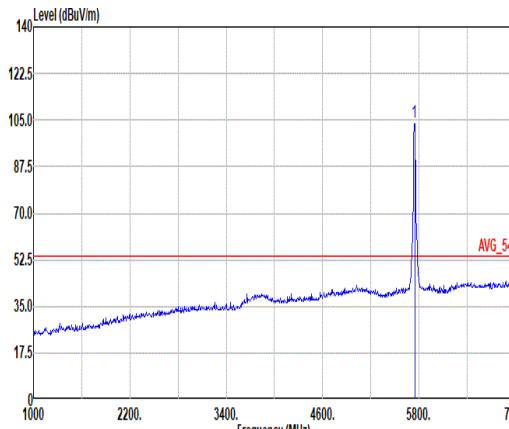


Mode	83																																																																																		
	Harmonic																																																																																		
	U-NII-3_5.725-5.85_802.11a_CH165_5825MHz																																																																																		
ANT	0																																																																																		
Pol.	Horizontal						Vertical																																																																												
Peak Avg																																																																																			
	Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL						Site : 03CH21-HY Condition: PEAK(UNII) 3m DRH18-E_LE2C03A18EN_230712 VERTICAL																																																																												
<table><tr><th></th><th></th><th>Limit</th><th></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></th><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><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11650.00</td><td>52.16</td><td>74.00</td><td>-21.84</td><td>34.77</td><td>38.60</td><td>19.20</td><td>40.84</td><td>0.43</td><td>291</td><td>222 PEAK</td></tr><tr><td>2</td><td>11650.00</td><td>43.27</td><td>54.00</td><td>-10.73</td><td>25.88</td><td>38.60</td><td>19.20</td><td>40.84</td><td>0.43</td><td>291</td><td>222 AVERAGE</td></tr><tr><td>3</td><td>17475.00</td><td>51.62</td><td>68.20</td><td>-16.58</td><td>35.10</td><td>40.00</td><td>23.77</td><td>47.71</td><td>0.46</td><td>--</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	dB	cm	deg	1	11650.00	52.16	74.00	-21.84	34.77	38.60	19.20	40.84	0.43	291	222 PEAK	2	11650.00	43.27	54.00	-10.73	25.88	38.60	19.20	40.84	0.43	291	222 AVERAGE	3	17475.00	51.62	68.20	-16.58	35.10	40.00	23.77	47.71	0.46	--	-- PEAK
		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	dB	cm	deg																																																																								
1	11650.00	52.16	74.00	-21.84	34.77	38.60	19.20	40.84	0.43	291	222 PEAK																																																																								
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3	17475.00	51.62	68.20	-16.58	35.10	40.00	23.77	47.71	0.46	--	-- PEAK																																																																								

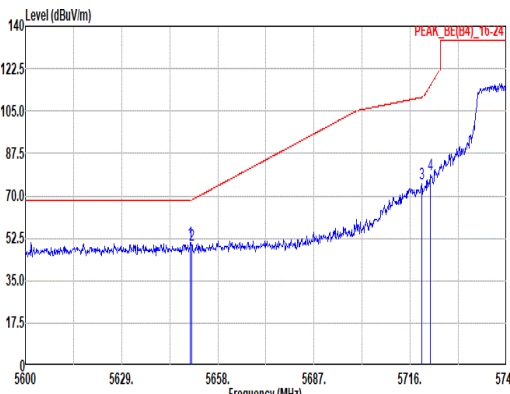
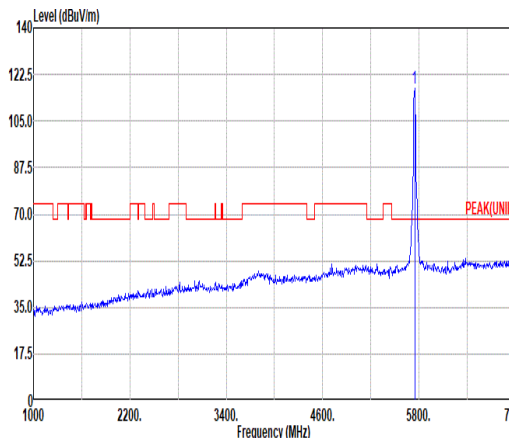
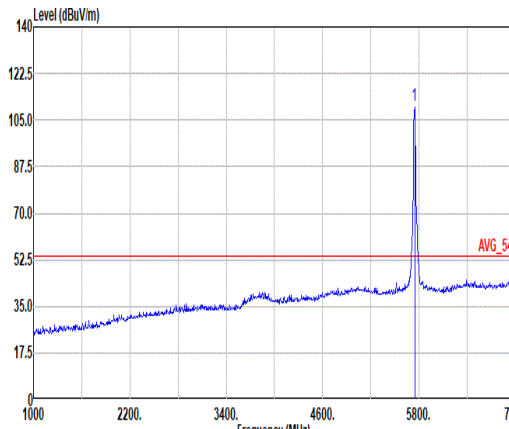


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ANT	0	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL

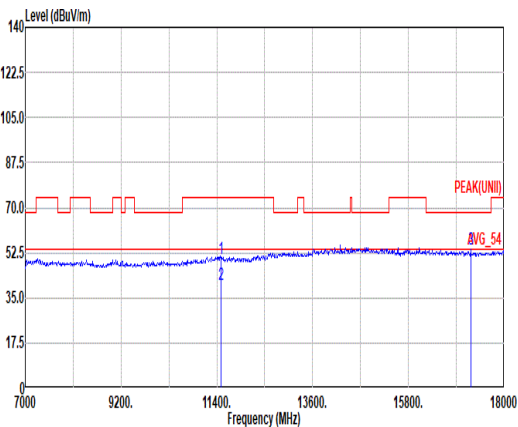
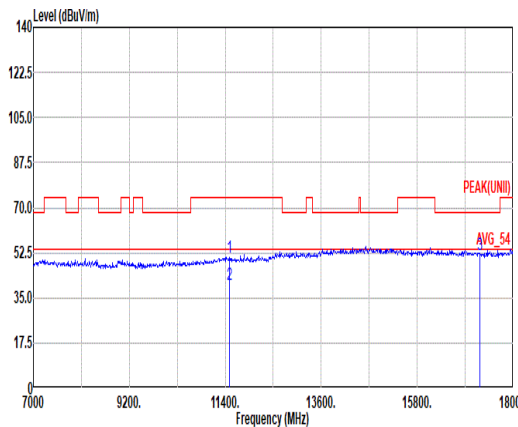


Mode	89																																																																																																																																									
	Band Edge																																																																																																																																									
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz																																																																																																																																									
ANT	0																																																																																																																																									
Pol.	Horizontal						Fundamental																																																																																																																																			
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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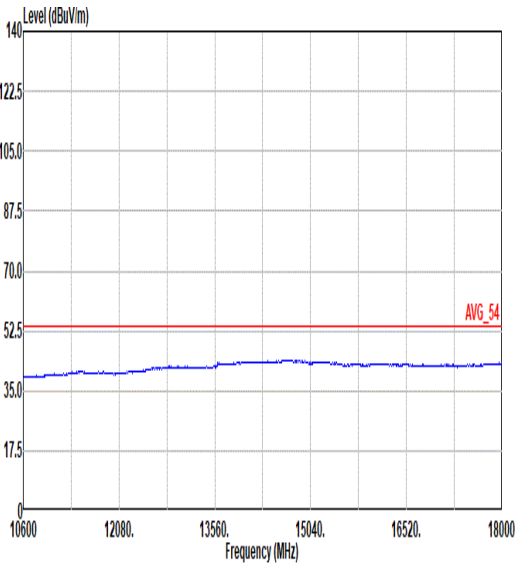
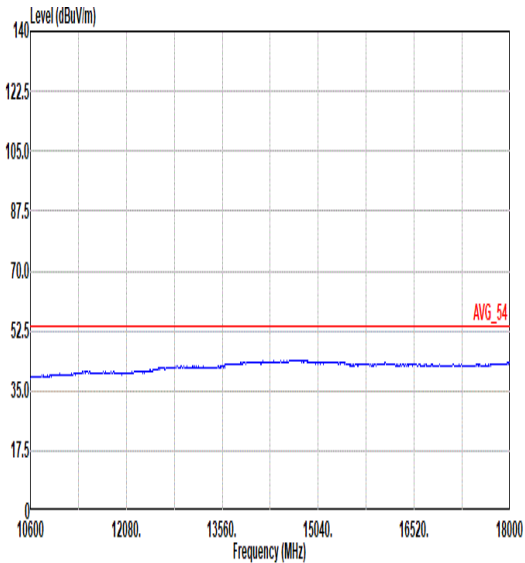


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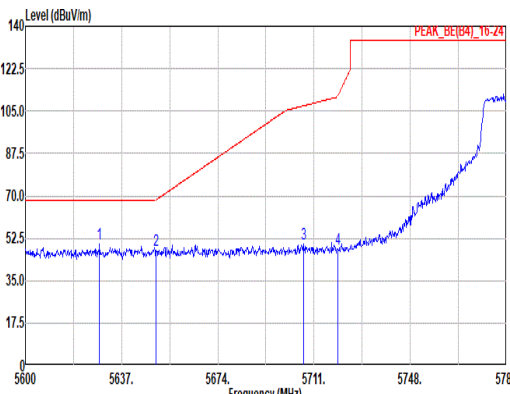
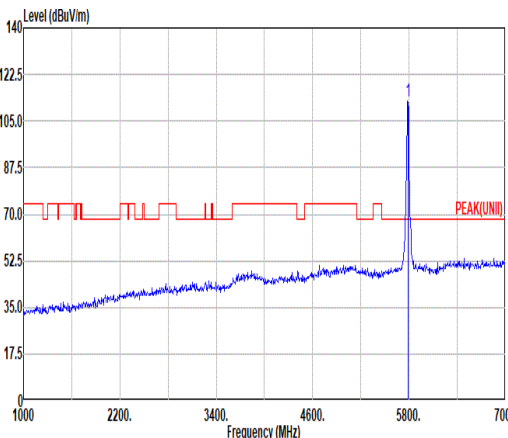
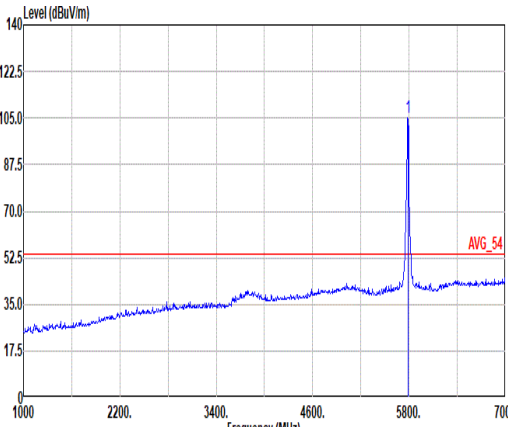


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Pol.	Horizontal						Vertical																																																																											
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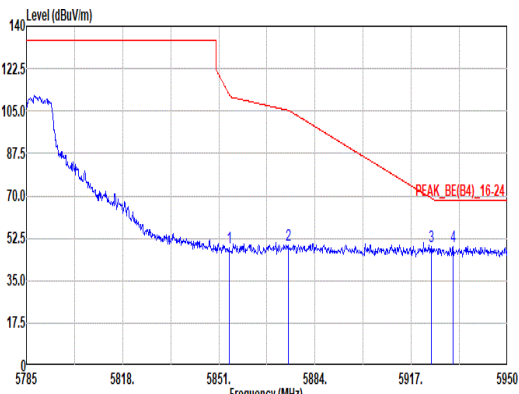


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ANT	0	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL

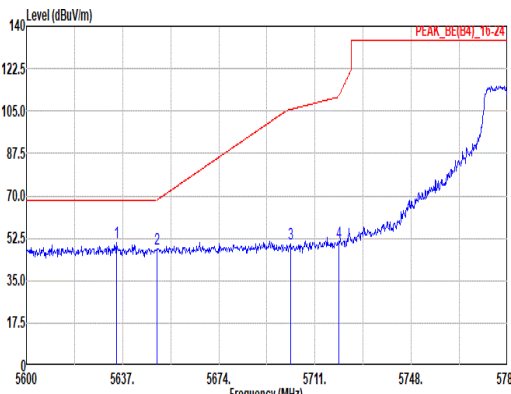
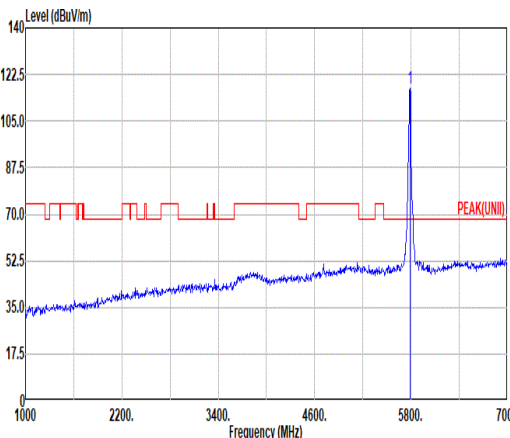
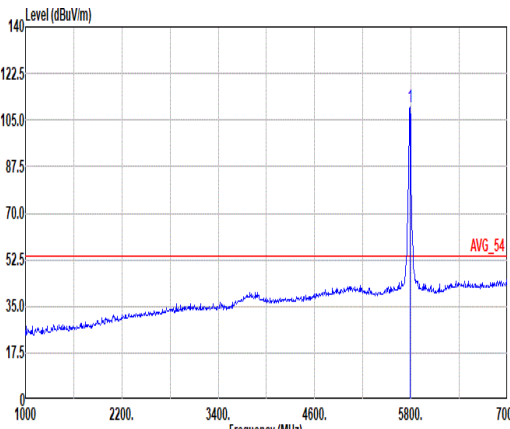


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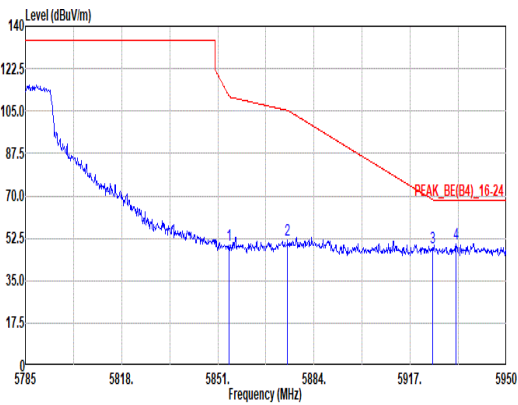


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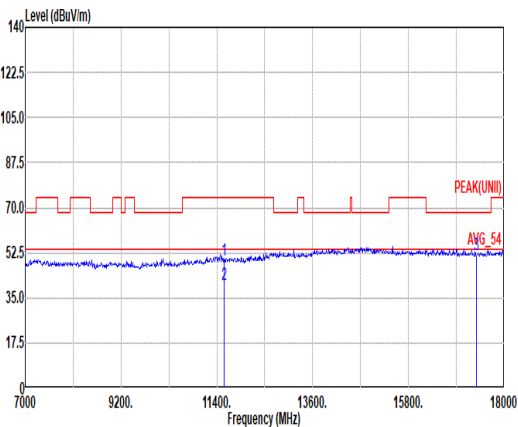
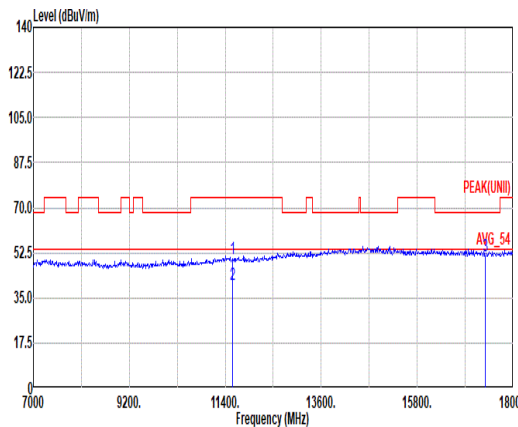


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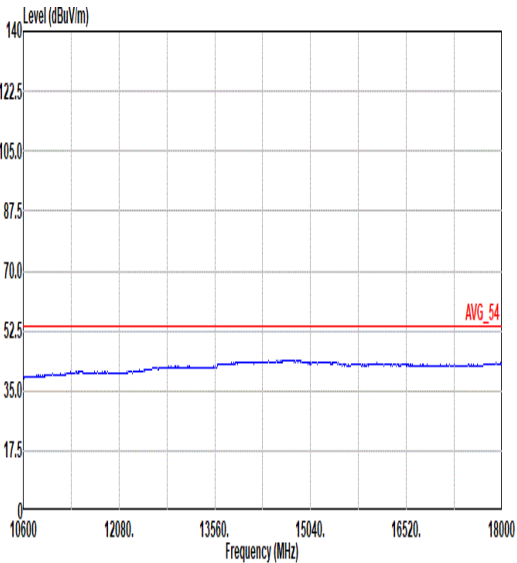
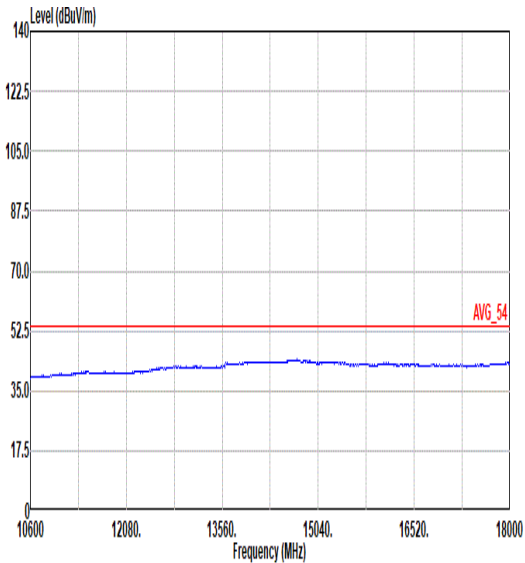


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Peak	 Site : 03CH21-HY Condition: PEAK_BE(B4)_16-24 3m DRH18-E_LE2C03A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><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>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5854.80</td><td>49.77</td><td>111.27</td><td>-61.50</td><td>37.69</td><td>33.00</td><td>13.42</td><td>35.14</td><td>0.00</td><td>102</td><td>150</td><td>PEAK</td></tr><tr><td>2</td><td>5874.93</td><td>51.67</td><td>105.22</td><td>-53.55</td><td>39.58</td><td>33.00</td><td>13.44</td><td>35.15</td><td>0.00</td><td>102</td><td>150</td><td>PEAK</td></tr><tr><td>3</td><td>5924.59</td><td>48.38</td><td>68.50</td><td>-20.12</td><td>36.28</td><td>33.00</td><td>13.50</td><td>35.20</td><td>0.00</td><td>102</td><td>150</td><td>PEAK</td></tr><tr><td>4</td><td>5932.68</td><td>50.36</td><td>68.20</td><td>-17.84</td><td>38.25</td><td>33.00</td><td>13.51</td><td>35.20</td><td>0.00</td><td>102</td><td>150</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	5854.80	49.77	111.27	-61.50	37.69	33.00	13.42	35.14	0.00	102	150	PEAK	2	5874.93	51.67	105.22	-53.55	39.58	33.00	13.44	35.15	0.00	102	150	PEAK	3	5924.59	48.38	68.50	-20.12	36.28	33.00	13.50	35.20	0.00	102	150	PEAK	4	5932.68	50.36	68.20	-17.84	38.25	33.00	13.51	35.20	0.00	102	150	PEAK	Blank
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																													
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Mode	90	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz	
ANT	0	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 HORIZONTAL	 Site : 03CH21-HY Condition: AVG_54 3m DRH18-E_LE2C03A18EN_230712 VERTICAL