

TEST REPORT

Reference No..... : WTF24X08182130W003
FCC ID : 2BH83-IDOL
Applicant : FULL TECHNOLOGY TRADE LIMITED
Address..... : RM 13,UNIT A1,2/F.,PHASE 1,KAISER ESTATE,NO.41 MAN YUE
STREET,HUNGHOM,KLN HONG KONG
Manufacturer : The same as Applicant
Address..... : The same as Applicant
Product Name : Mobile Phone
Model No..... : IDOL
Standards : FCC Part 15.407
Date of Receipt sample : 2024-08-02
Date of Test..... : 2024-08-02 to 2024-08-23
Date of Issue : 2024-08-26
Test Report Form No. : WTX_Part 15_407W
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

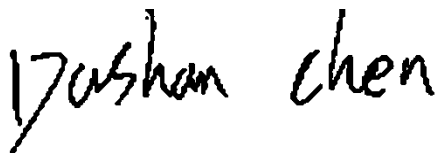
Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road,
Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Email: sem@waltek.com.cn

Tested by:



Dashan Chen

Approved by:



Jason Su

TABLE OF CONTENTS

1. GENERAL INFORMATION	5
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 TEST STANDARDS.....	6
1.3 TEST METHODOLOGY	6
1.4 TABLE FOR PARAMETERS OF TEST SOFTWARE SETTING.....	6
1.5 EUT OPERATING DURING TEST.....	8
1.6 TEST FACILITY	8
1.7 EUT SETUP AND TEST MODE	9
1.8 MEASUREMENT UNCERTAINTY	10
1.9 TEST EQUIPMENT LIST AND DETAILS	11
2. SUMMARY OF TEST RESULTS.....	14
3. ANTENNA REQUIREMENT	15
3.1 STANDARD APPLICABLE	15
3.2 EVALUATION INFORMATION	15
4. AUTOMATICALLY DISCONTINUE TRANSMISSION.....	16
4.1 STANDARD APPLICABLE	16
4.2 SUMMARY OF TEST RESULTS.....	16
5. POWER SPECTRAL DENSITY	17
5.1 STANDARD APPLICABLE	17
5.2 TEST PROCEDURE	17
5.3 SUMMARY OF TEST RESULTS/PLOTS.....	18
6. EMISSION BANDWIDTH AND OCCUPIED BANDWIDTH	19
6.1 STANDARD APPLICABLE	19
6.2 TEST PROCEDURE.....	19
6.3 SUMMARY OF TEST RESULTS/PLOTS.....	21
7. MAXIMUM CONDUCTED OUTPUT POWER	22
7.1 STANDARD APPLICABLE	22
7.2 TEST PROCEDURE	22
7.3 SUMMARY OF TEST RESULTS/PLOTS.....	23
8. RADIATED SPURIOUS EMISSIONS	24
8.1 STANDARD APPLICABLE	24
8.2 TEST PROCEDURE	24
8.3 TEST RECEIVER SETUP	26
8.4 CORRECTED AMPLITUDE & MARGIN CALCULATION.....	26
8.5 SUMMARY OF TEST RESULTS/PLOTS.....	26
9. FREQUENCY STABILITY	116
9.1 STANDARD APPLICABLE	116
9.2 TEST PROCEDURE.....	116
9.3 SUMMARY OF TEST RESULTS/PLOTS.....	116
10. CONDUCTED EMISSIONS	117
10.1 TEST PROCEDURE.....	117
10.2 BASIC TEST SETUP BLOCK DIAGRAM.....	117
10.3 TEST RECEIVER SETUP	117
10.4 SUMMARY OF TEST RESULTS/PLOTS	117
APPENDIX SUMMARY	120
APPENDIX A.....	121
APPENDIX B.....	145
APPENDIX C.....	190
APPENDIX D.....	213

APPENDIX PHOTOGRAPHS.....215

Report version

Version No.	Date of issue	Description
Rev.00	2024-08-26	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Mobile Phone
Trade Name:	Lifephone
Model No.:	IDOL
Adding Model(s):	/
Rated Voltage:	DC3.85V
Battery Capacity:	4900mAh
Power Adapter:	805A-18A-1A Input:AC100-240V 50/60Hz 0.5A Output:DC5V3A/9V2A/12V1.5A
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11a, 802.11n-HT20, 802.11n-HT40, 802.11ac-VHT20, 802.11ac-VHT40,802.11ac-VHT80
Frequency Range:	5180-5240MHz, 5260-5320MHz 5500-5700MHz, 5745-5825MHz
Max. RF Output Power:	15.25dBm (Conducted)
Type of Modulation:	QPSK, 16QAM, 64QAM
Type of Antenna:	FPC Antenna
Antenna Gain:	3.54dBi
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.407: General technical requirements.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

KDB789033 D02 v02r01: Guidelines for Compliance Testing of Unlicensed National Information Infrastructure (U-Nii) Devices Part 15, Subparte.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, KDB789033 D02 v02r01. The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

1.4 Table for parameters of Test Software setting

Enter *****3646633***** into the calculator to enter the engineer mode, you can start to test. During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Mode	Test Frequency (MHz)												
	NCB: 20MHz												
	5180	5200	5240	5260	5300	5320	5500	5580	5700	5720	5745	5785	5825
802.11a 6Mbps	15	15	15	15	15	15	15	15	15	15	15	15	15
802.11n-HT20 MCS0	14	14	14	14	14	14	14	14	14	14	14	14	14
802.11ac-VHT2 0 MCS0	14	14	14	14	14	14	14	14	14	14	14	14	14
Mode	NCB: 40MHz												
	5190	5230	5270	5310	5510	5550	5670	5710	5755	5795			
802.11n-HT40 MCS0	13	13	13	13	13	13	13	13	13	13			
802.11ac-VHT4 0 MCS0	13	13	13	13	13	13	13	13	13	13			

Mode	NCB: 80MHz					
	5210	5290	5530	5610	5690	5775
802.11ac-VHT8 0 MCS0/Nss2	13	13	13	13	13	13

1.5 EUT Operating during test

EUT was programmed to be in continuously transmitting mode. During the test, EUT operation to normal function and programs under Android were executed.

1.6 Test Facility

Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A and the CAB identifier is CN0057.

1.7 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, with a duty cycle equal to 100%, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode List		
Test Mode	Description	Remark
TM1	802.11a	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5600MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM2	802.11n-HT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5600MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM3	802.11ac-VHT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5600MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM4	802.11n-HT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5590MHz,5670MHz,5755MHz,5795MHz
TM5	802.11ac-VHT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5590MHz,5670MHz,5755MHz,5795MHz
TM6	802.11ac-VHT80	5210MHz,5290MHz,5530MHz,5610MHz,5775MHz

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	45~55 %.
ATM Pressure:	1019 mbar

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
USB Cable	0.95	Shielded	Without Ferrite

Special Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
Earphone Cable	1.0	Unshielded	Without Ferrite

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Notebook	Lenovo	TianYi 100-14IBD	PF0F4ABV

1.8 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	$\pm 0.42\text{dB}$
Occupied Bandwidth	Conducted	$\pm 1.5\%$
Power Spectral Density	Conducted	$\pm 1.8\text{dB}$
Conducted Spurious Emission	Conducted	$\pm 2.17\text{dB}$
Conducted Emissions	Conducted	9-150kHz $\pm 3.74\text{dB}$
		0.15-30MHz $\pm 3.34\text{dB}$
Transmitter Spurious Emissions	Radiated	30-200MHz $\pm 4.52\text{dB}$
		0.2-1GHz $\pm 5.56\text{dB}$
		1-6GHz $\pm 3.84\text{dB}$
		6-18GHz $\pm 3.92\text{dB}$

1.9 Test Equipment List and Details

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1041A 1001	Communication Tester	Rohde & Schwarz	CMW500	148650	2024-02-24	2025-02-23
WTXE1005A 1005	Spectrum Analyzer	Agilent	N9020A	US471401 02	2024-03-19	2025-03-18
WTXE1084A 1001	Spectrum Analyzer	Agilent	N9020A	MY543205 48	2024-02-24	2025-02-23
WTXE1004A 1-001	Spectrum Analyzer	Rohde & Schwarz	FSP40	100612	2024-02-27	2025-02-26
☐ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
WTXE1007A 1001	Amplifier	HP	8447F	2805A034 75	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2024-02-24	2025-02-23
☐ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2024-02-24	2025-02-23
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2024-03-19	2025-03-18
WTXE1065A 1001	Amplifier	C&D	PAP-1G18	2002	2024-02-27	2025-02-26
WTXE1010A 1005	Horn Antenna	ETS	3117	00086197	2024-02-26	2025-02-25
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28
☐ Chamber B:Below 1GHz						
WTXE1010A 1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2024-03-17	2027-03-16
WTXE1038A 1001	Amplifier	Agilent	8447D	2944A104 57	2024-02-24	2025-02-23

WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2024-02-24	2025-02-23
☒ Chamber C: Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
WTXE1007A 1002	Amplifier	HP	8447F	2944A038 69	2024-02-24	2025-02-23
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2024-02-26	2025-02-25
☒ Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2024-02-27	2025-02-26
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2024-02-27	2025-02-26
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024-03-17	2025-03-16
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2024-02-29	2025-02-28
☐ Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2023-12-12	2024-12-11
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2024-02-24	2025-02-23
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2024-02-24	2025-02-23
☒ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2024-02-24	2025-02-23
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2024-02-24	2025-02-23

Software List			
Description	Manufacturer	Model	Version
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission Room 1#)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission Room 2#)*	SKET	EMC-I	V2.0

*Remark: indicates software version used in the compliance certification testing.

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§15.203; §15.405	Antenna Requirement	Compliant
15.407 (c)	Automatically Discontinue Transmission	Compliant
§15.207; §15.407(b)(6)	Conducted Emission	Compliant
§15.407(a)(1),(2)	Power Spectral Density	Compliant
§15.407(e)	Emission Bandwidth and Occupied Bandwidth	Compliant
§15.407(a)(1),(2)	Maximum Conducted Output Power	Compliant
§15.407(b)(1),(2),(3),(4)	Undesirable emission	Compliant
§15.205; §15.407(b)(1),(2),(3)	Radiated Emission	Compliant
§15.407(g)	Frequency Stability	Compliant
§15.407(h)	Dynamic Frequency Selection (DFS)	Compliant

N/A: Not applicable.

3. Antenna Requirement

3.1 Standard Applicable

According to FCC Part 15.203, 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.

3.2 Evaluation Information

This product has an FPC antenna, fulfill the requirement of this section.

4. Automatically Discontinue Transmission

4.1 Standard Applicable

According to FCC Part 15.407(c), the device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

4.2 Summary of Test Results

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5. Power Spectral Density

5.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11 \text{ dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

5.2 Test Procedure

According to 789033 D02 v02r01 General UNII Test Procedures New Rules v02, the following is the measurement procedure.

For devices operating in the bands 5.15-5.25GHz, 5.25-5.35GHz, and 5.47-5.725GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85GHz, the rules specify a measurement bandwidth of 500kHz. Many spectrum analyzers do not have 500kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500kHz, "provided that the measured power is integrated over the full

reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1MHz, or 500kHz). If measurements are performed using a reduced resolution bandwidth ($< 1\text{MHz}$, or $< 500\text{kHz}$) and integrated over 1 MHz, or 500kHz bandwidth, the following adjustments to the procedures apply:

- a) Set $\text{RBW} \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $\text{VBW} \geq 3 \text{ RBW}$.
- c) If measurement bandwidth of Maximum PSD is specified in 500kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas $\text{RBW} (< 500\text{kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/\text{RBW})$ to the measured result, whereas $\text{RBW} (< 1\text{MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100kHz for the sections 5.c) and 5.d) above, since $\text{RBW}=100\text{kHz}$ is available on nearly all spectrum analyzers.

5.3 Summary of Test Results/Plots

Please refer to Appendix A

6. Emission Bandwidth and Occupied Bandwidth

6.1 Standard Applicable

According to 15.407(a) and (e):

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(e) Within the 5.725-5.85GHz band, the minimum 6dB bandwidth of U-NII devices shall be at least 500kHz.

6.2 Test Procedure

According to 789033 D02 v02r0r section C&D, the following is the measurement procedure.

1. Emission Bandwidth (EBW)

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.

- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

2. Minimum Emission Bandwidth for the band 5.725-5.85GHz Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

D. 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section II.G.3.d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the EBW to 789033 D02 v02r01 General UNII Test Procedures New Rules v01 define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth:

- 1. Set center frequency to the nominal EUT channel center frequency.
- 2. Set span = 1.5 times to 5.0 times the OBW.
- 3. Set RBW = 1 % to 5 % of the OBW
- 4. Set VBW $\geq 3 \times$ RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).
- 7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency.

Reference No.: WTF24X08182130W003

The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6.3 Summary of Test Results/Plots

Please refer to Appendix B

7. Maximum Conducted Output Power

7.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

(iv) For mobile and portable client devices in the 5.15-5.25GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(2) For the 5.25-5.35GHz and 5.47-5.725GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

(3) For the band 5.725-5.85GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30dBm in any 500kHz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

7.2 Test Procedure

According to KDB789033 D02 v02r01 section E, the following is the measurement procedure.

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1MHz.
- (iii) Set VBW $\geq$ 3MHz.
- (iv) Number of points in sweep $\geq$ 2 Span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that

narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq$ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

7.3 Summary of Test Results/Plots

Please refer to Appendix C

8. Radiated Spurious Emissions

8.1 Standard Applicable

According to §15.407(b), undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35GHz band: All emissions outside of the 5.15-5.35GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725GHz band: All emissions outside of the 5.47-5.725GHz band shall not exceed an e.i.r.p. of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85GHz band:
 - (i) All emissions shall be limited to a level of -27dBm/MHz at 75MHz or more above or below the band edge increasing linearly to 10dBm/MHz at 25MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6dBm/MHz at 5MHz above or below the band edge, and from 5MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

According to §15.407(b)(6), Unwanted emissions below 1GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

According to §15.407(b)(7), The provisions of §15.205 apply to intentional radiators operating under this section.

789033 D02 v02r01 General UNII Test Procedures New Rules v01

If radiated measurements are performed, field strength is then converted to EIRP as follows:

$$\text{EIRP} = ((E \cdot d)^2) / 30$$

where:

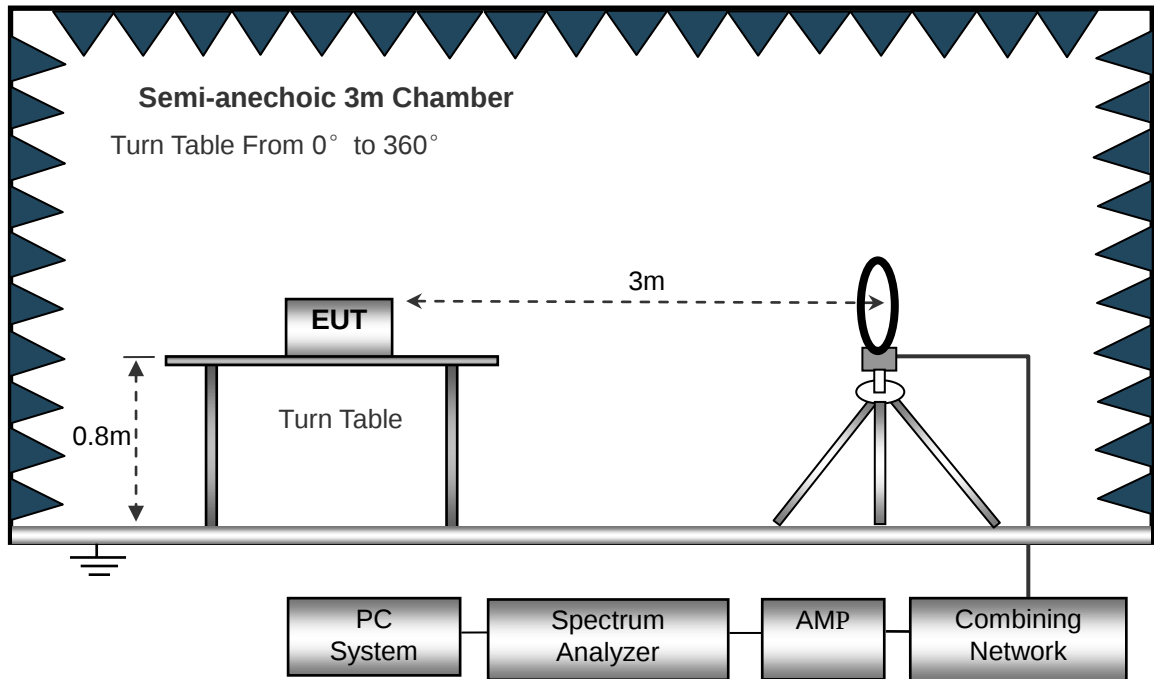
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

8.2 Test Procedure

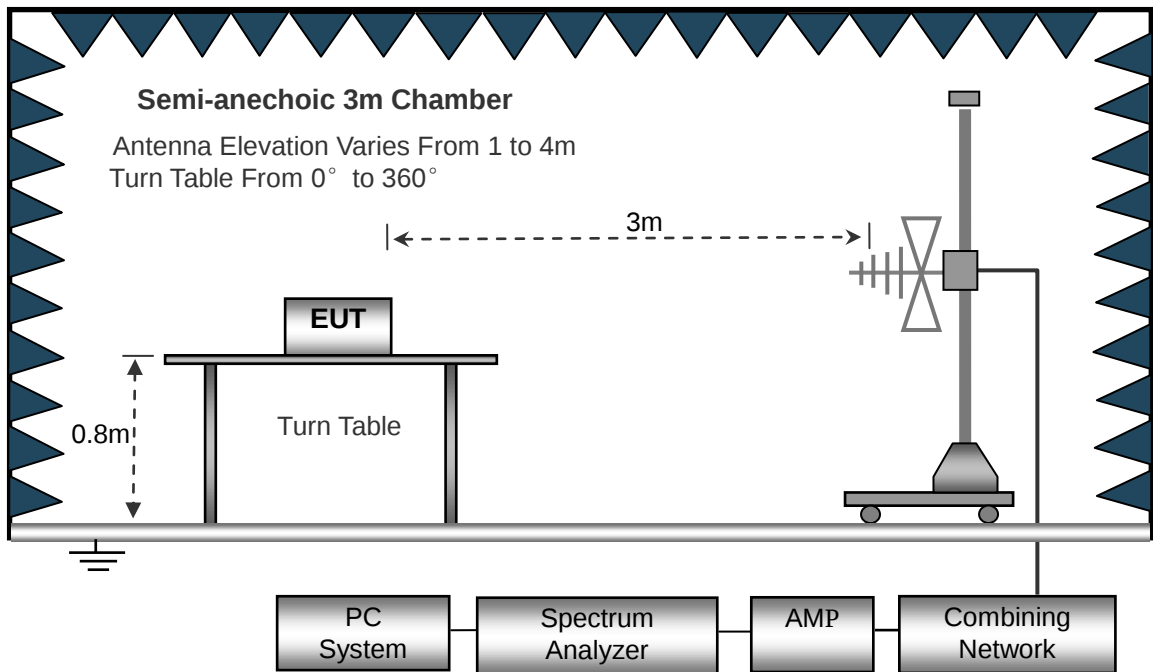
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

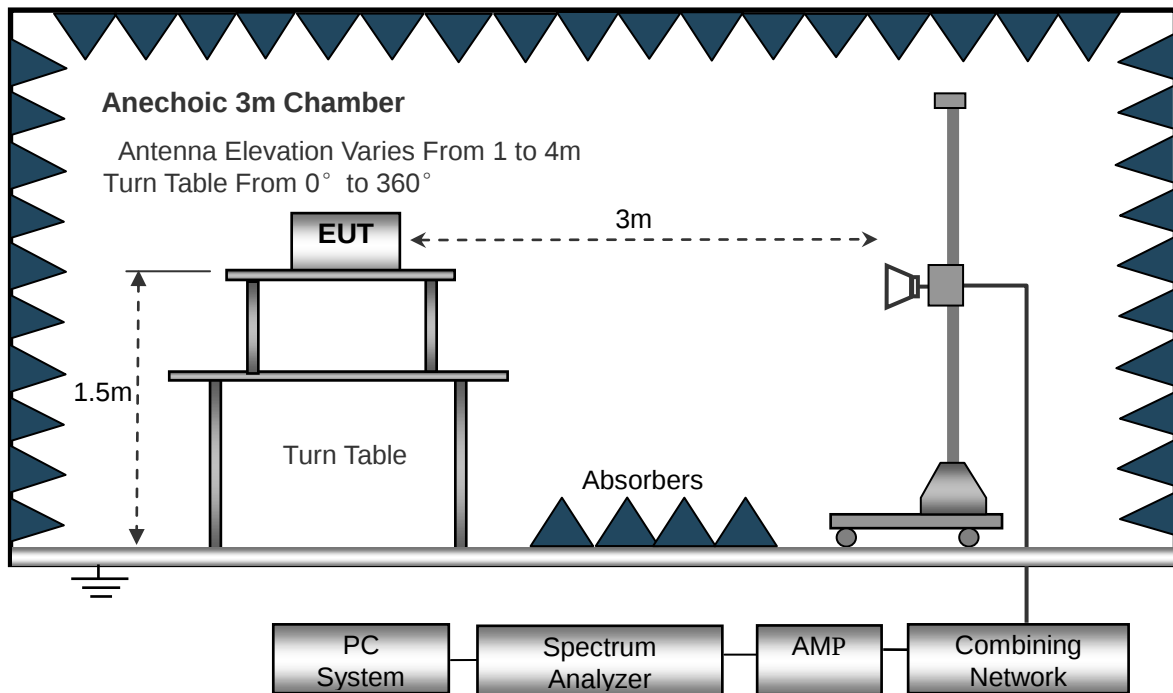
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1GHz.



8.3 Test Receiver Setup

During the radiated emission test for above 1GHz, the test receiver was set with the following configurations:

For peak detector:

RBW = 1000kHz, VBW = 3000kHz, Sweep Time = Auto

For average detector:

RBW = 1000kHz, VBW = 10Hz, Sweep Time = Auto

8.4 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for Class B. The equation for margin calculation is as follows:

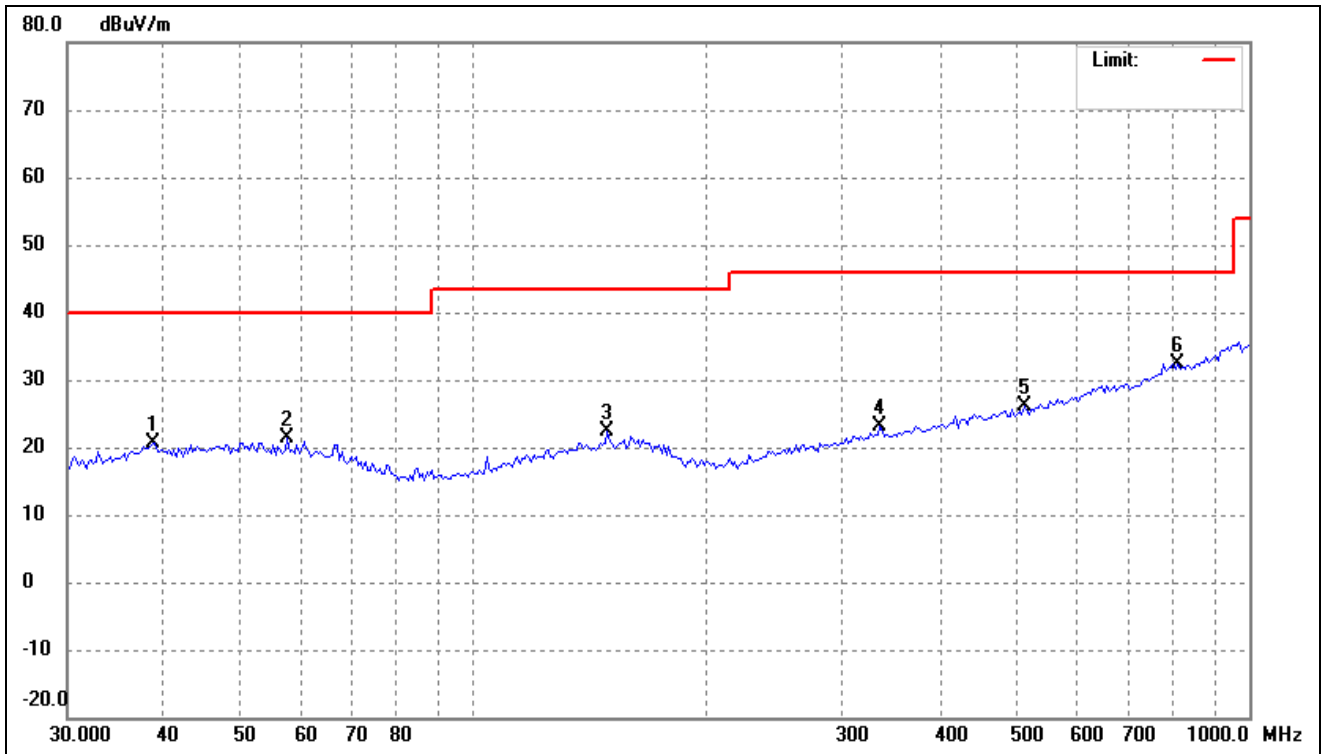
$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15 Limit}$$

8.5 Summary of Test Results/Plots

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

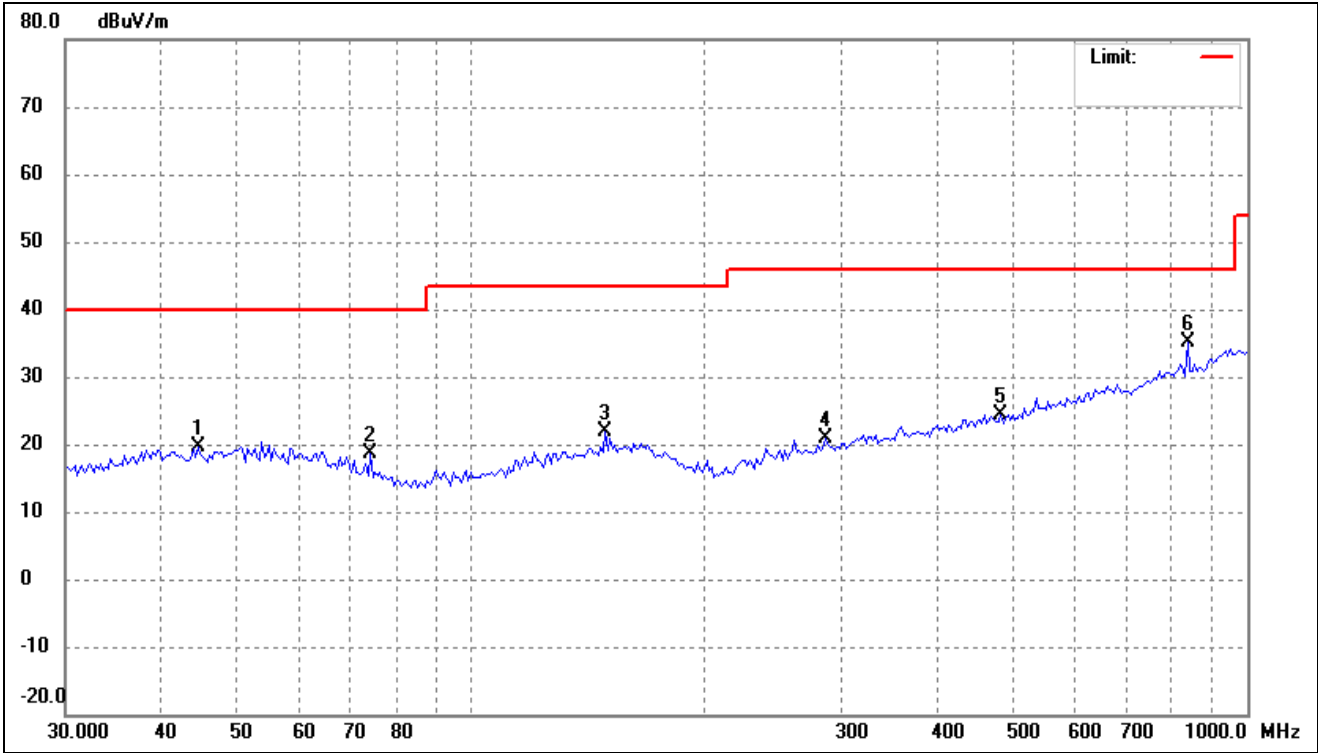
- Spurious Emission From 30MHz to 1GHz
- 5150-5250MHz

802.11a			
Test Channel	5180MHz(Worst case)	Polarity:	Horizontal



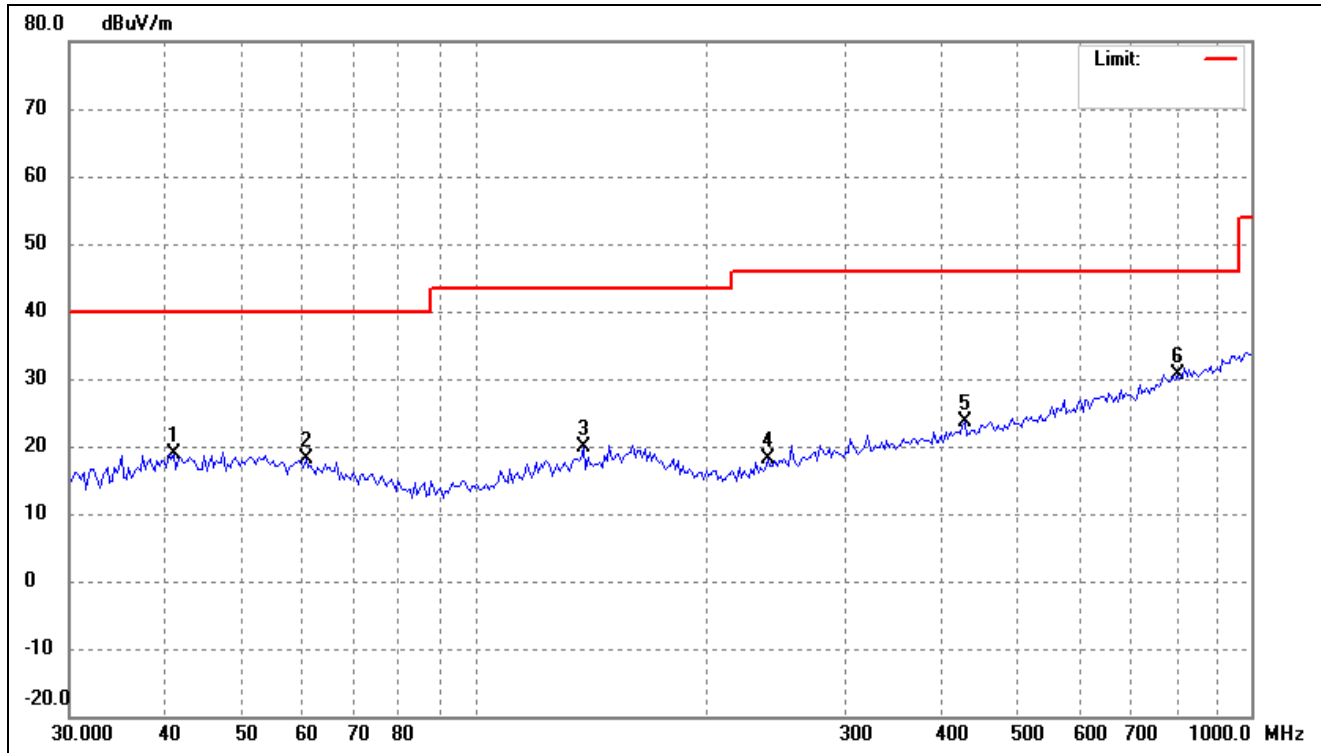
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.6357	28.99	-8.25	20.74	40.00	-19.26	-	-	peak
2	57.6693	29.56	-8.29	21.27	40.00	-18.73	-	-	peak
3	148.9175	30.64	-8.14	22.50	43.50	-21.00	-	-	peak
4	334.1255	30.26	-7.23	23.03	46.00	-22.97	-	-	peak
5	512.9478	30.57	-4.56	26.01	46.00	-19.99	-	-	peak
6	809.9238	31.31	1.11	32.42	46.00	-13.58	-	-	peak

802.11a			
Test Channel	5180MHz(Worst case)	Polarity:	Vertical



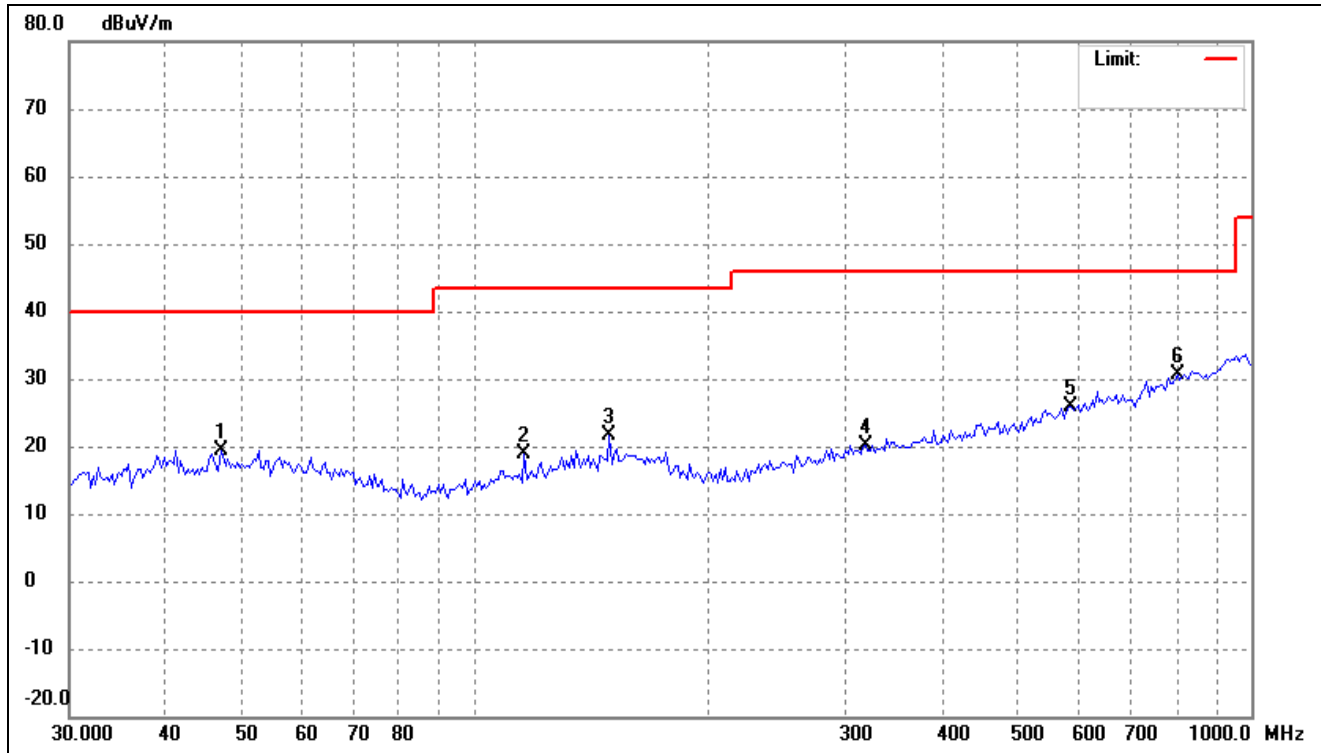
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.4657	27.65	-7.96	19.69	40.00	-20.31	-	-	peak
2	74.2696	29.78	-11.18	18.60	40.00	-21.40	-	-	peak
3	148.9175	29.99	-8.14	21.85	43.50	-21.65	-	-	peak
4	286.2653	29.19	-8.30	20.89	46.00	-25.11	-	-	peak
5	481.5112	29.32	-4.94	24.38	46.00	-21.62	-	-	peak
6	838.8870	33.63	1.42	35.05	46.00	-10.95	-	-	peak

802.11n-HT20			
Test Channel	5180MHz(worst case)	Polarity:	Horizontal



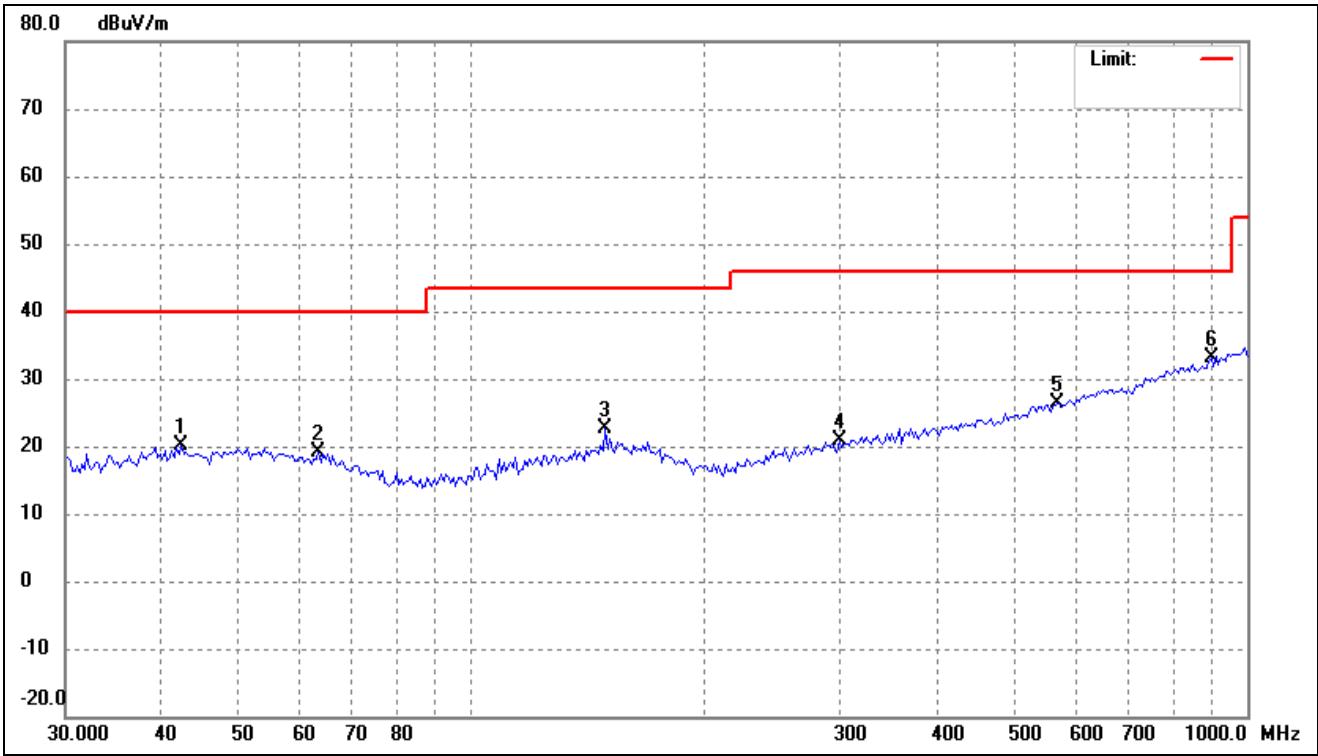
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.8699	26.87	-7.95	18.92	40.00	-21.08	-	-	peak
2	60.5769	26.72	-8.54	18.18	40.00	-21.82	-	-	peak
3	137.8400	28.80	-8.98	19.82	43.50	-23.68	-	-	peak
4	238.4626	28.35	-10.18	18.17	46.00	-27.83	-	-	peak
5	427.2920	29.35	-5.68	23.67	46.00	-22.33	-	-	peak
6	804.2523	29.61	1.05	30.66	46.00	-15.34	-	-	peak

802.11n-HT20			
Test Channel	5180MHz(worst case)	Polarity:	Vertical



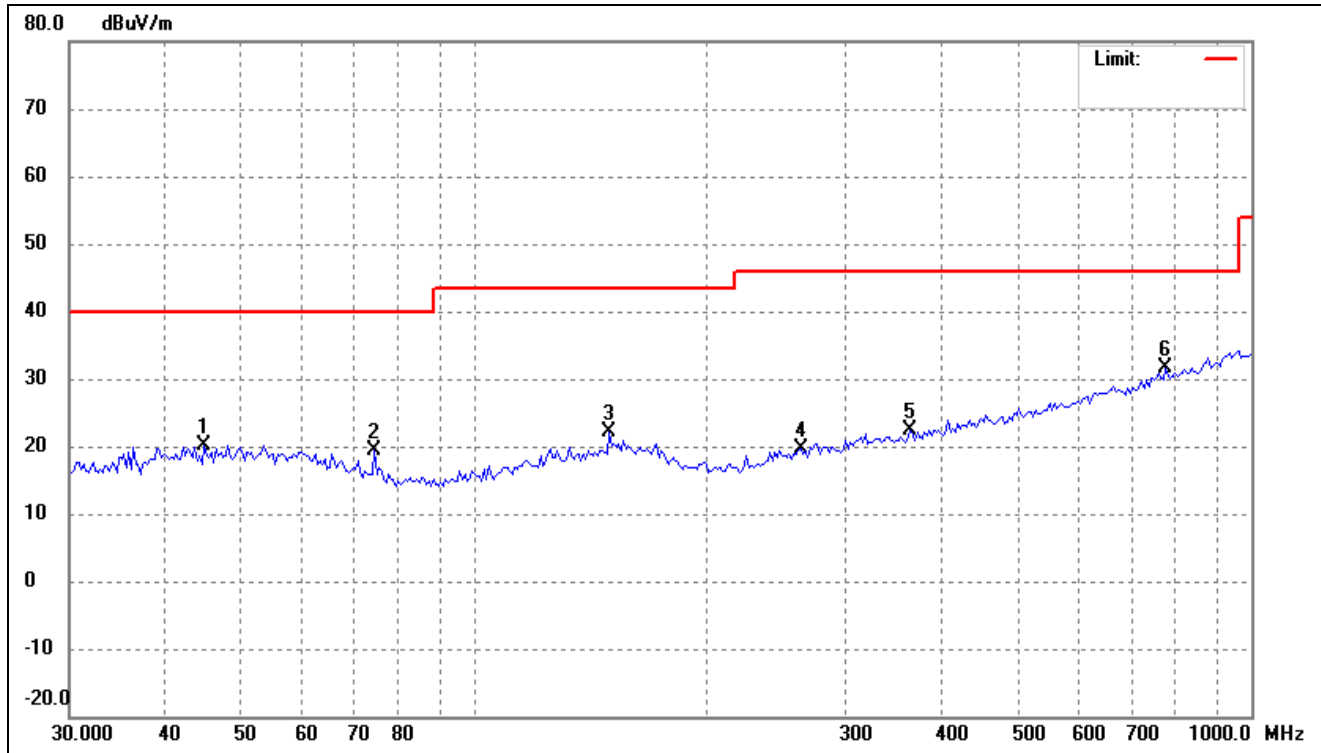
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	47.0371	27.21	-7.81	19.40	40.00	-20.60	-	-	peak
2	115.6322	29.27	-10.47	18.80	43.50	-24.70	-	-	peak
3	148.9175	29.77	-8.14	21.63	43.50	-21.87	-	-	peak
4	318.0875	27.68	-7.47	20.21	46.00	-25.79	-	-	peak
5	582.1122	28.48	-2.68	25.80	46.00	-20.20	-	-	peak
6	804.2523	29.66	1.05	30.71	46.00	-15.29	-	-	peak

802.11ac-VHT20			
Test Channel	5180MHz(worst case)	Polarity:	Horizontal



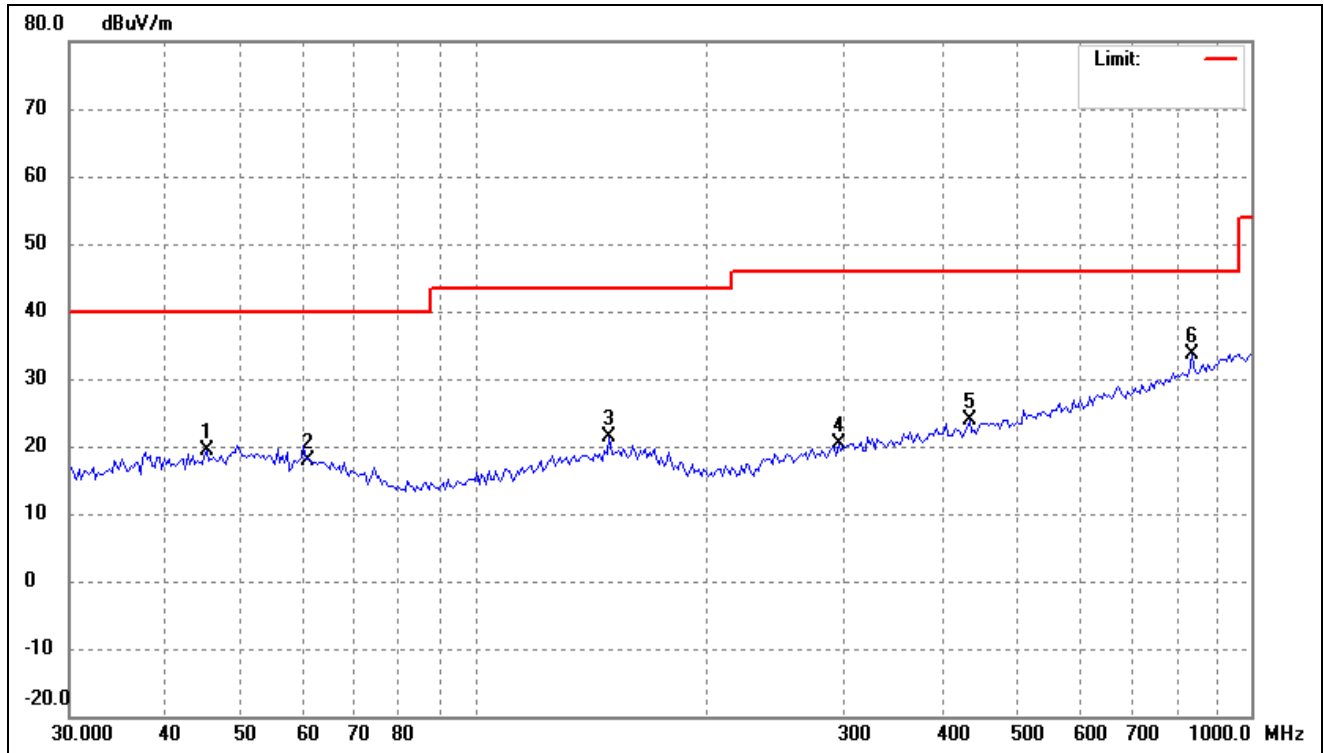
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	42.3314	28.18	-7.96	20.22	40.00	-19.78	-	-	peak
2	63.6312	28.14	-9.09	19.05	40.00	-20.95	-	-	peak
3	148.9175	30.68	-8.14	22.54	43.50	-20.96	-	-	peak
4	298.5932	28.87	-7.90	20.97	46.00	-25.03	-	-	peak
5	569.9688	29.38	-2.98	26.40	46.00	-19.60	-	-	peak
6	899.9577	30.94	2.09	33.03	46.00	-12.97	-	-	peak

802.11ac-VHT20			
Test Channel	5180MHz(worst case)	Polarity:	Vertical



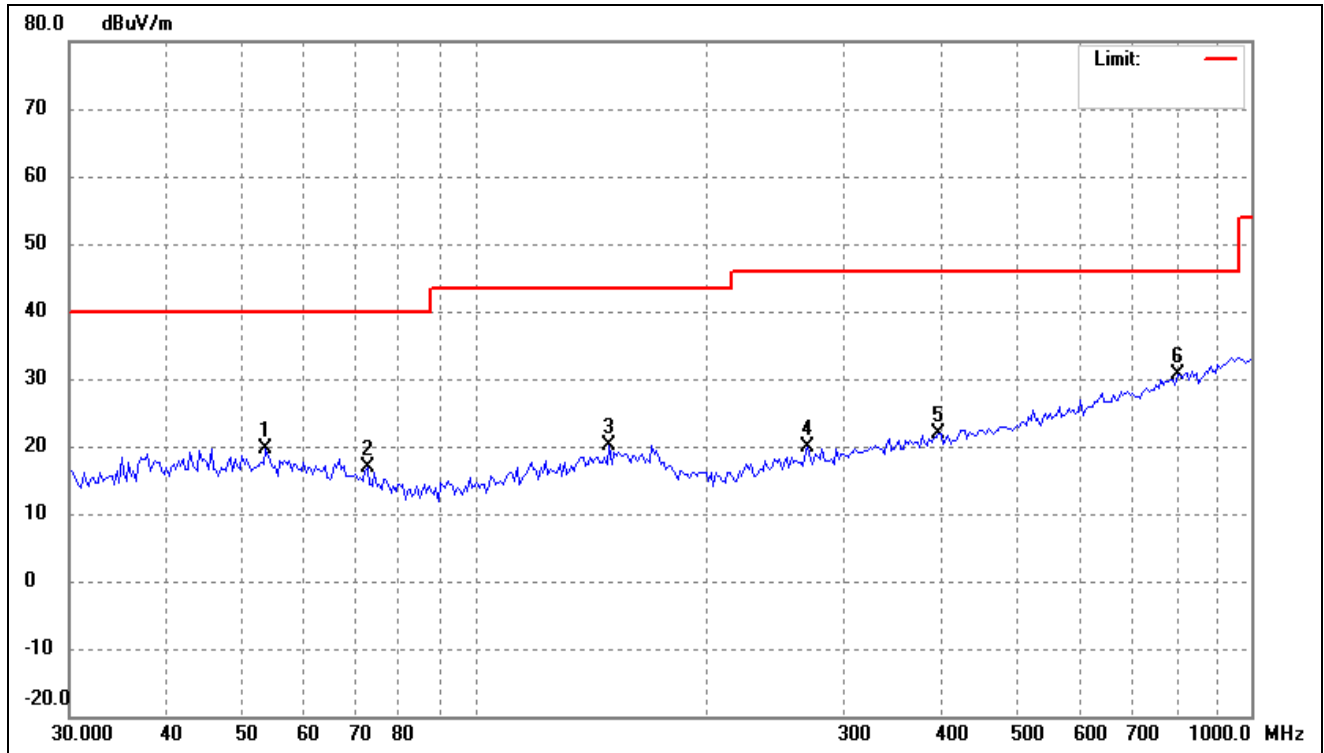
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.7793	28.09	-7.96	20.13	40.00	-19.87	-	-	peak
2	74.2696	30.52	-11.18	19.34	40.00	-20.66	-	-	peak
3	148.9175	30.27	-8.14	22.13	43.50	-21.37	-	-	peak
4	263.1155	28.71	-9.16	19.55	46.00	-26.45	-	-	peak
5	363.5231	29.07	-6.81	22.26	46.00	-23.74	-	-	peak
6	776.4849	30.98	0.62	31.60	46.00	-14.40	-	-	peak

802.11n-HT40			
Test Channel	5190MHz(worst case)	Polarity:	Horizontal



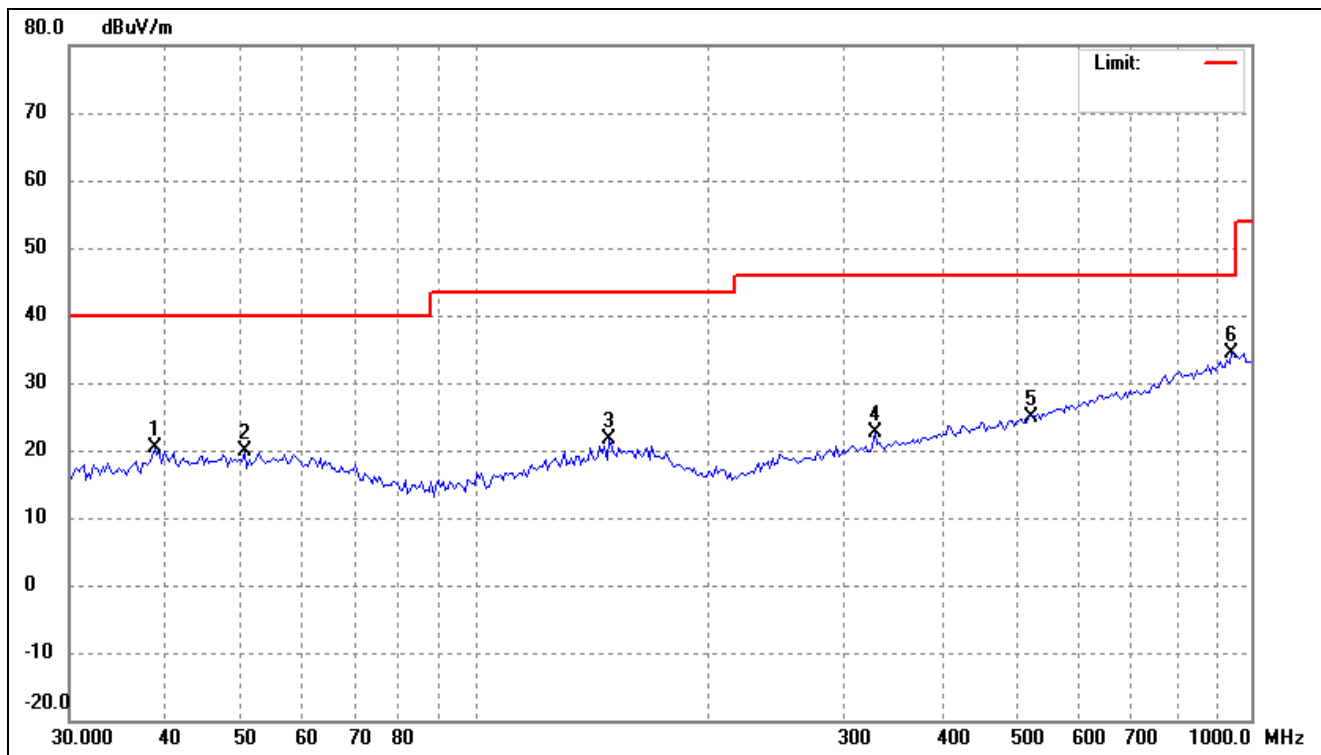
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	45.0951	27.37	-7.95	19.42	40.00	-20.58	-	-	peak
2	61.4343	26.60	-8.69	17.91	40.00	-22.09	-	-	peak
3	148.9175	29.44	-8.14	21.30	43.50	-22.20	-	-	peak
4	294.4260	28.32	-8.04	20.28	46.00	-25.72	-	-	peak
5	433.3397	29.46	-5.55	23.91	46.00	-22.09	-	-	peak
6	838.8870	32.10	1.42	33.52	46.00	-12.48	-	-	peak

802.11n-HT40			
Test Channel	5190MHz(worst case)	Polarity:	Vertical



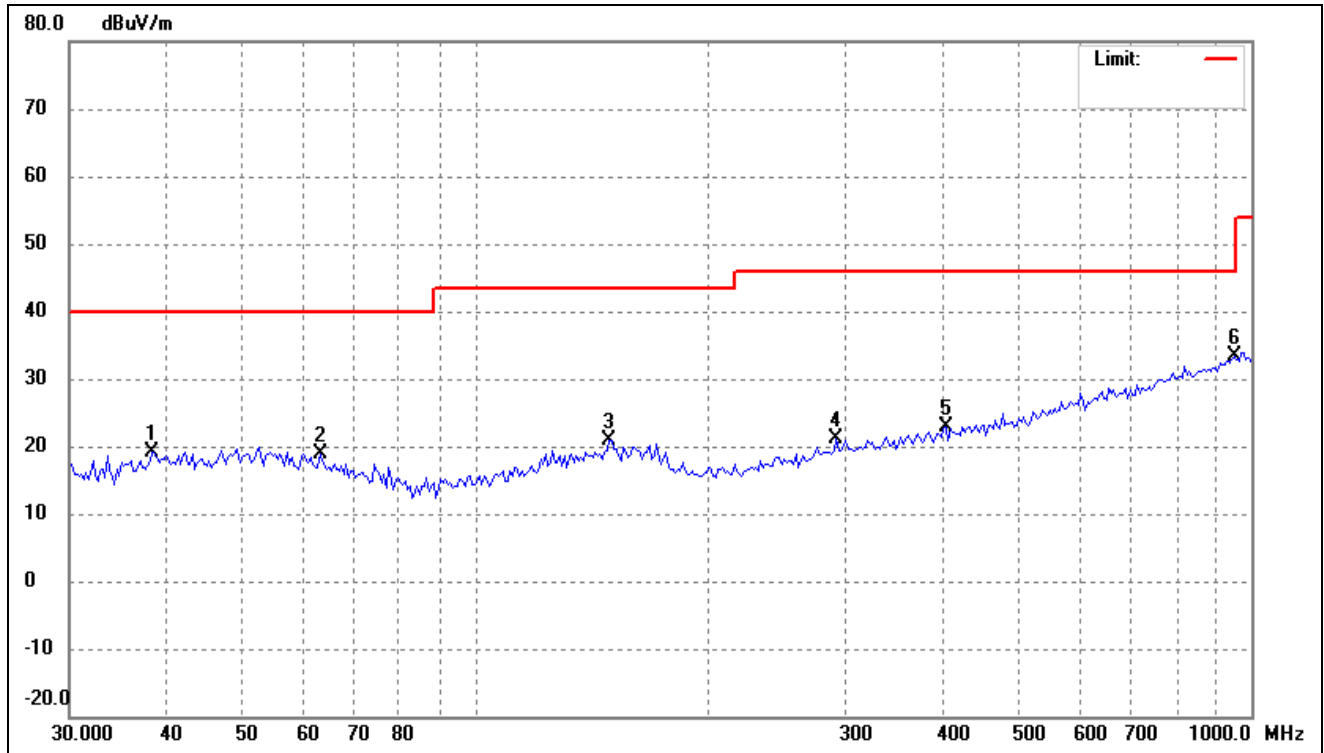
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	53.7559	27.57	-7.99	19.58	40.00	-20.42	-	-	peak
2	72.7203	27.62	-10.85	16.77	40.00	-23.23	-	-	peak
3	148.9175	28.39	-8.14	20.25	43.50	-23.25	-	-	peak
4	268.7212	28.84	-8.92	19.92	46.00	-26.08	-	-	peak
5	395.5071	28.27	-6.31	21.96	46.00	-24.04	-	-	peak
6	804.2523	29.54	1.05	30.59	46.00	-15.41	-	-	peak

802.11ac-VHT40			
Test Channel	5190MHz(worst case)	Polarity:	Horizontal



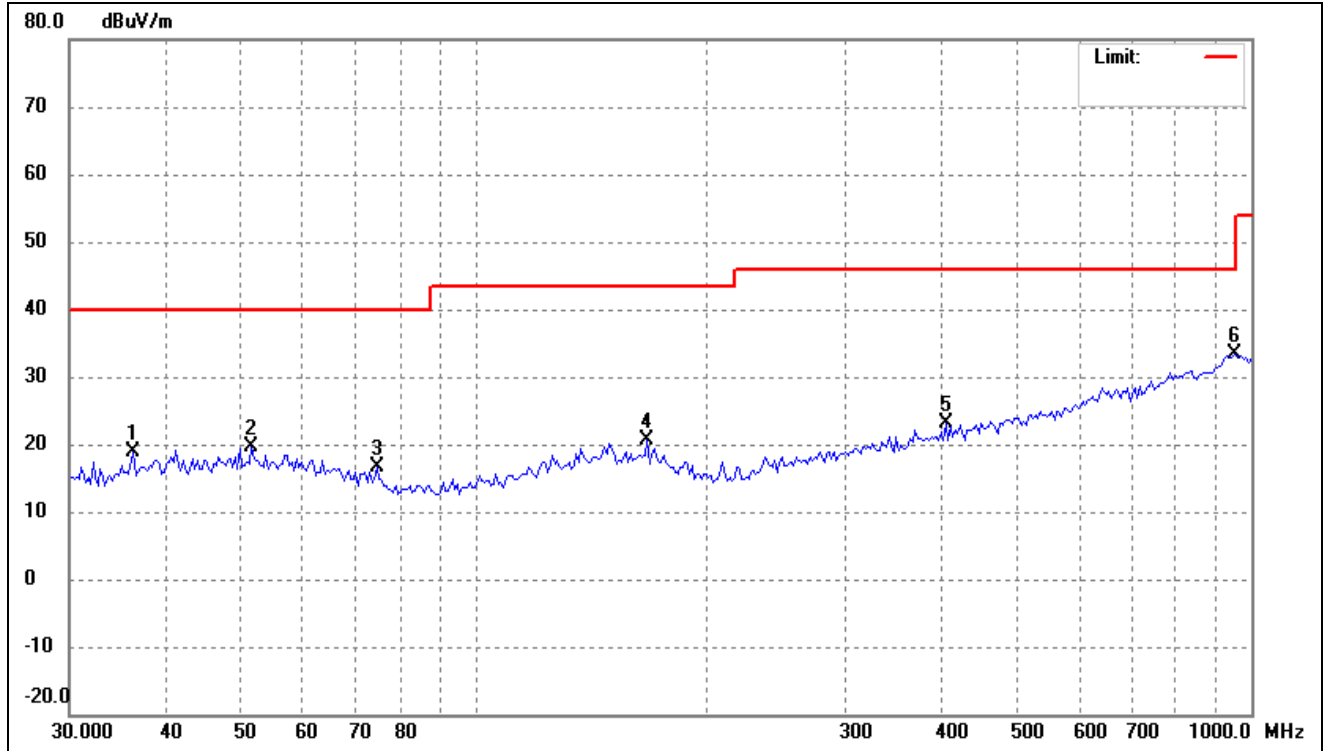
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.6357	28.61	-8.25	20.36	40.00	-19.64	-	-	peak
2	50.4614	27.46	-7.64	19.82	40.00	-20.18	-	-	peak
3	148.9175	29.84	-8.14	21.70	43.50	-21.80	-	-	peak
4	327.1554	29.91	-7.30	22.61	46.00	-23.39	-	-	peak
5	516.5651	29.38	-4.48	24.90	46.00	-21.10	-	-	peak
6	945.3336	31.31	3.19	34.50	46.00	-11.50	-	-	peak

802.11ac-VHT40			
Test Channel	5190MHz(worst case)	Polarity:	Vertical



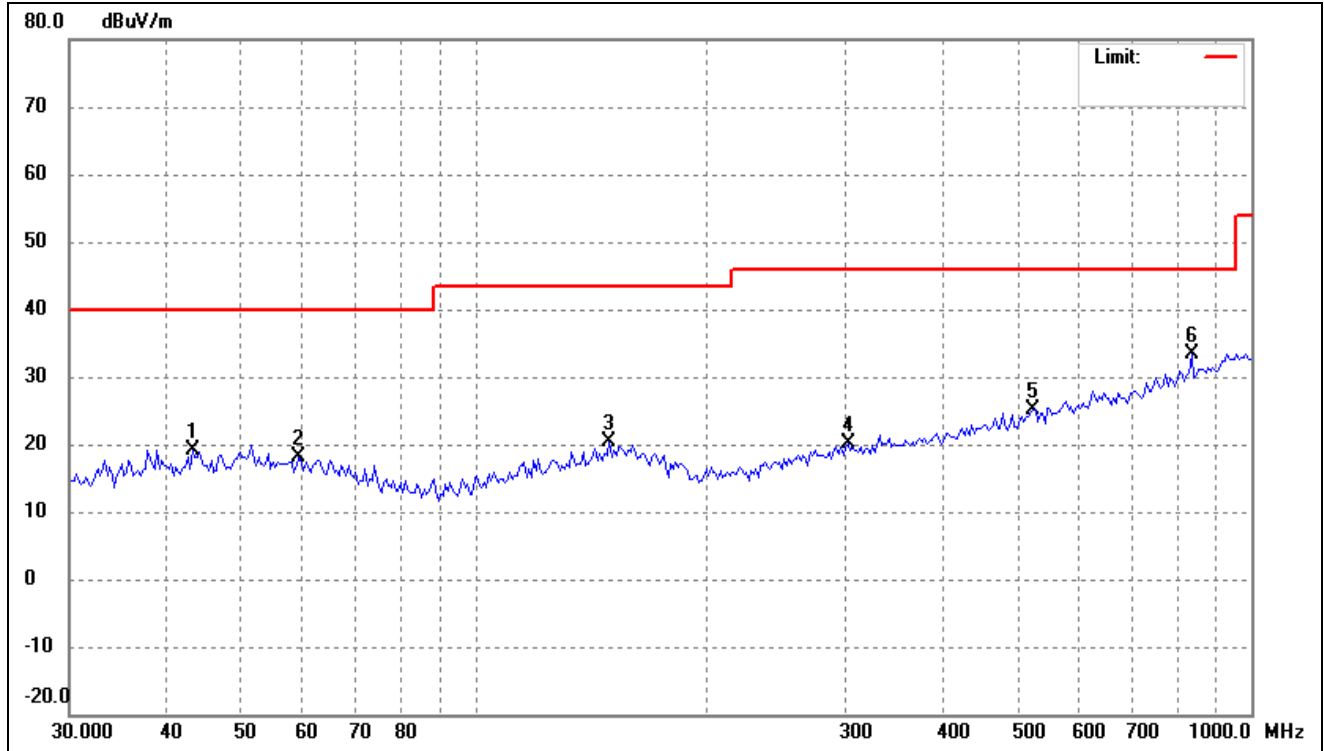
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.3651	27.41	-8.30	19.11	40.00	-20.89	-	-	peak
2	63.1857	27.90	-9.01	18.89	40.00	-21.11	-	-	peak
3	148.9175	28.95	-8.14	20.81	43.50	-22.69	-	-	peak
4	292.3643	29.21	-8.11	21.10	46.00	-24.90	-	-	peak
5	403.9335	29.01	-6.18	22.83	46.00	-23.17	-	-	peak
6	952.0001	30.14	3.31	33.45	46.00	-12.55	-	-	peak

802.11ac-VHT80			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	36.2678	27.61	-8.75	18.86	40.00	-21.14	-	-	peak
2	51.5365	27.41	-7.74	19.67	40.00	-20.33	-	-	peak
3	74.7934	27.91	-11.30	16.61	40.00	-23.39	-	-	peak
4	166.6385	28.79	-8.23	20.56	43.50	-22.94	-	-	peak
5	403.9335	29.26	-6.18	23.08	46.00	-22.92	-	-	peak
6	952.0001	30.01	3.31	33.32	46.00	-12.68	-	-	peak

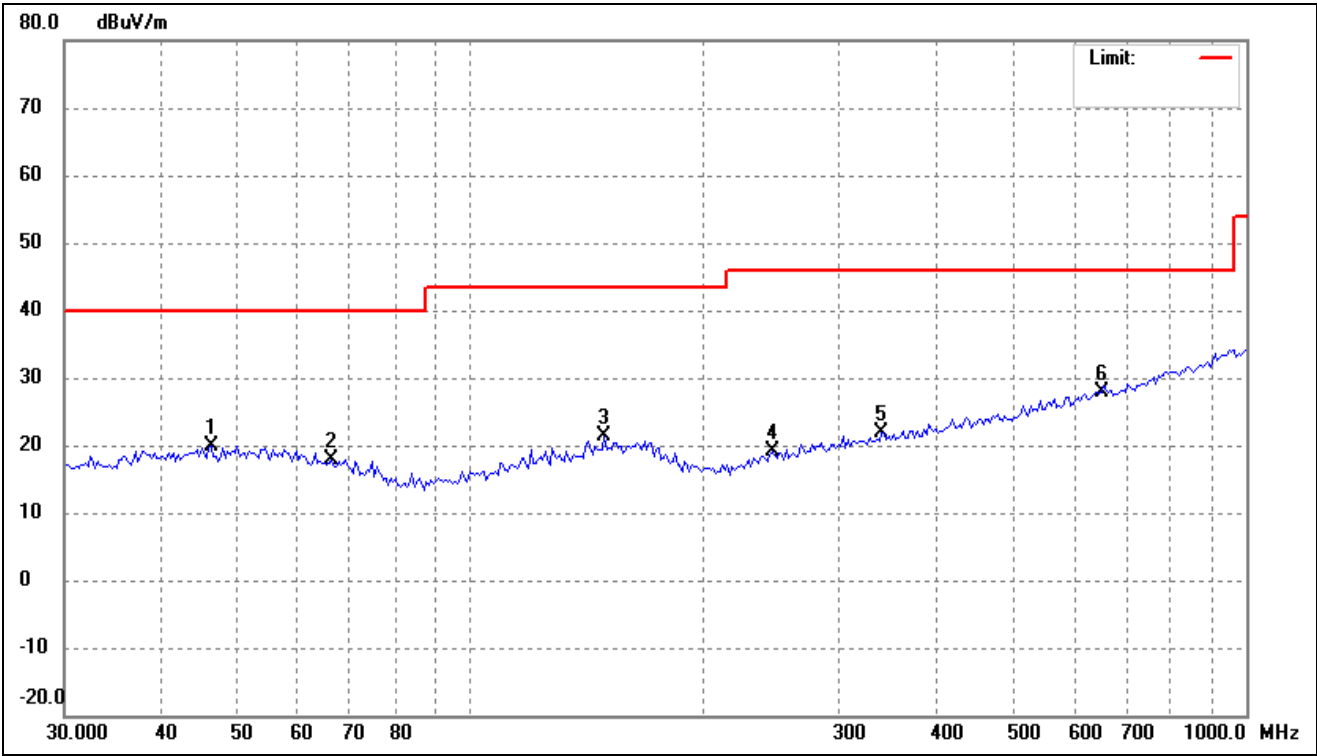
802.11ac-VHT80			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.2333	27.17	-7.95	19.22	40.00	-20.78	-	-	peak
2	59.3133	26.53	-8.39	18.14	40.00	-21.86	-	-	peak
3	148.9175	28.41	-8.14	20.27	43.50	-23.23	-	-	peak
4	302.8193	27.84	-7.80	20.04	46.00	-25.96	-	-	peak
5	523.8763	29.47	-4.34	25.13	46.00	-20.87	-	-	peak
6	838.8870	32.04	1.42	33.46	46.00	-12.54	-	-	peak

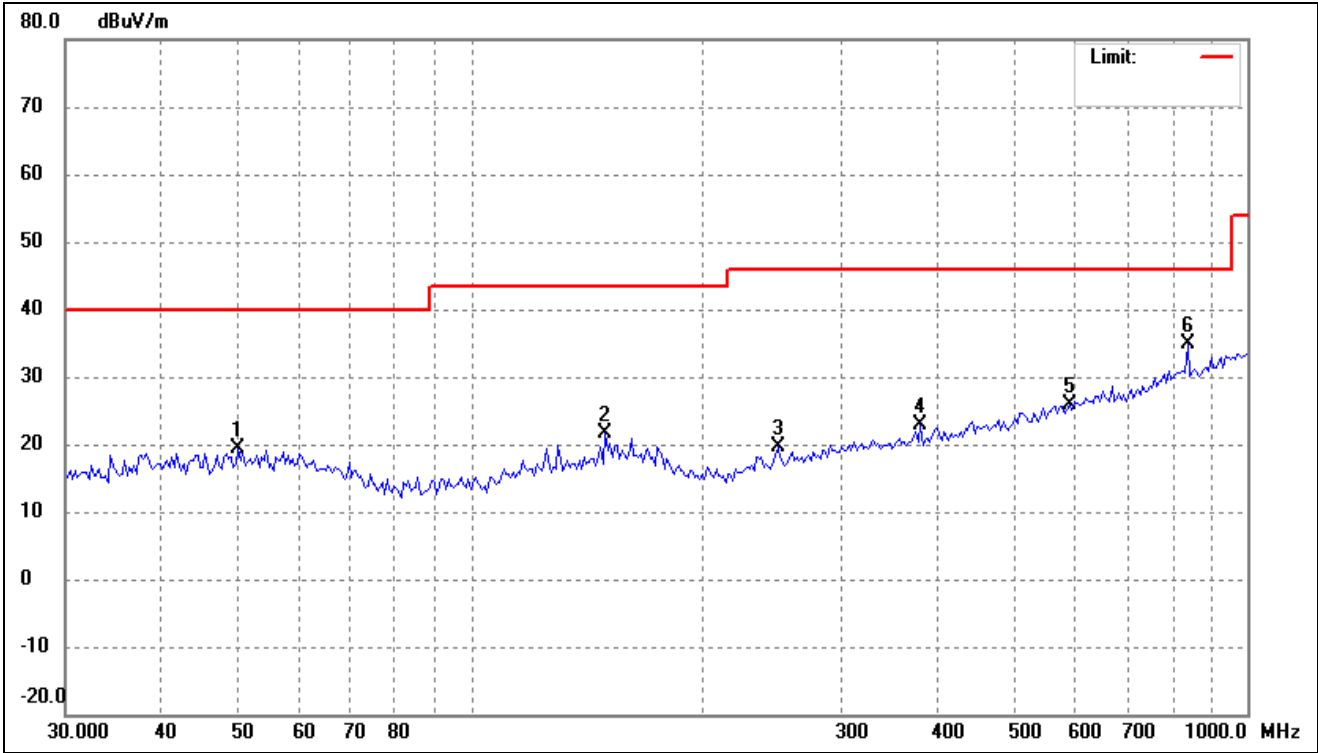
➤ 5250-5350MHz

802.11a			
Test Channel	5260MHz	Polarity:	Horizontal



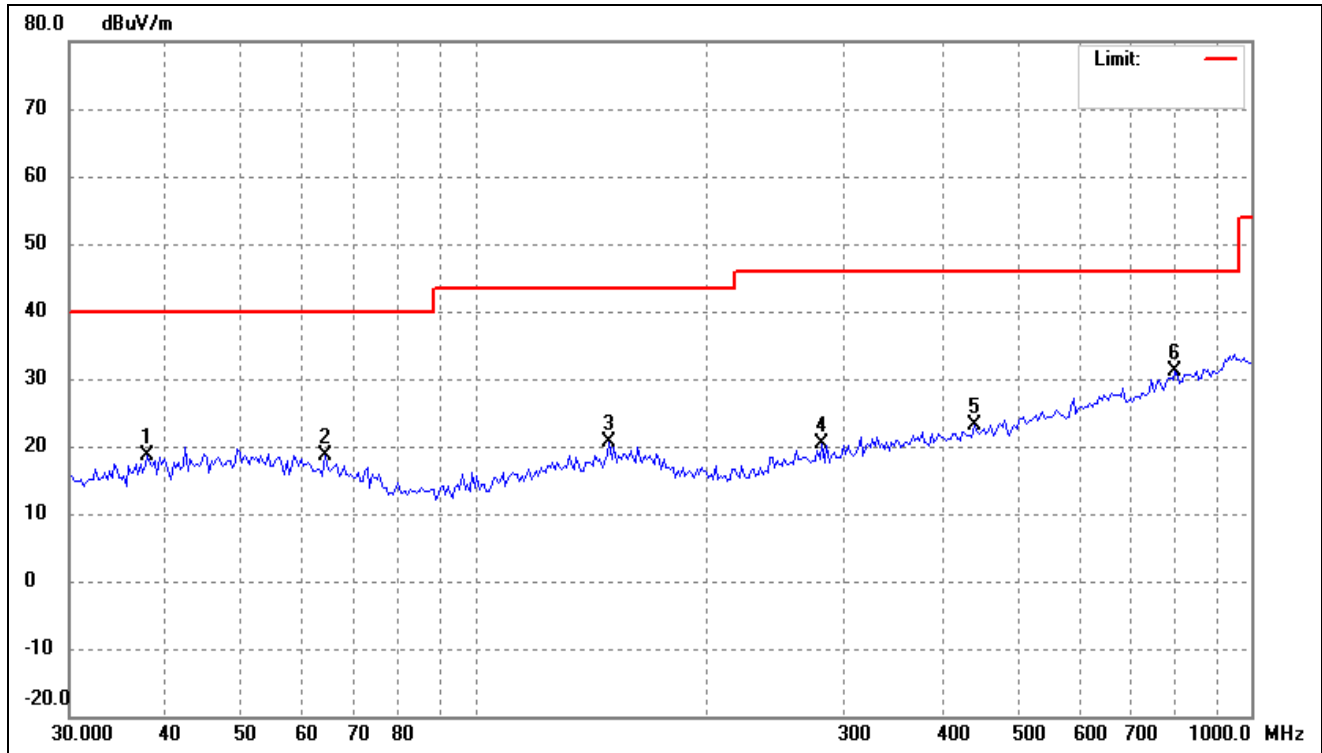
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	46.3806	27.72	-7.86	19.86	40.00	-20.14	-	-	peak
2	66.3714	27.49	-9.59	17.90	40.00	-22.10	-	-	peak
3	148.9174	29.63	-8.14	21.49	43.50	-22.01	-	-	peak
4	245.2605	29.08	-9.85	19.23	46.00	-26.77	-	-	peak
5	338.8545	28.94	-7.18	21.76	46.00	-24.24	-	-	peak
6	651.3830	29.52	-1.54	27.98	46.00	-18.02	-	-	peak

802.11a			
Test Channel	5260MHz(worst case)	Polarity:	Vertical



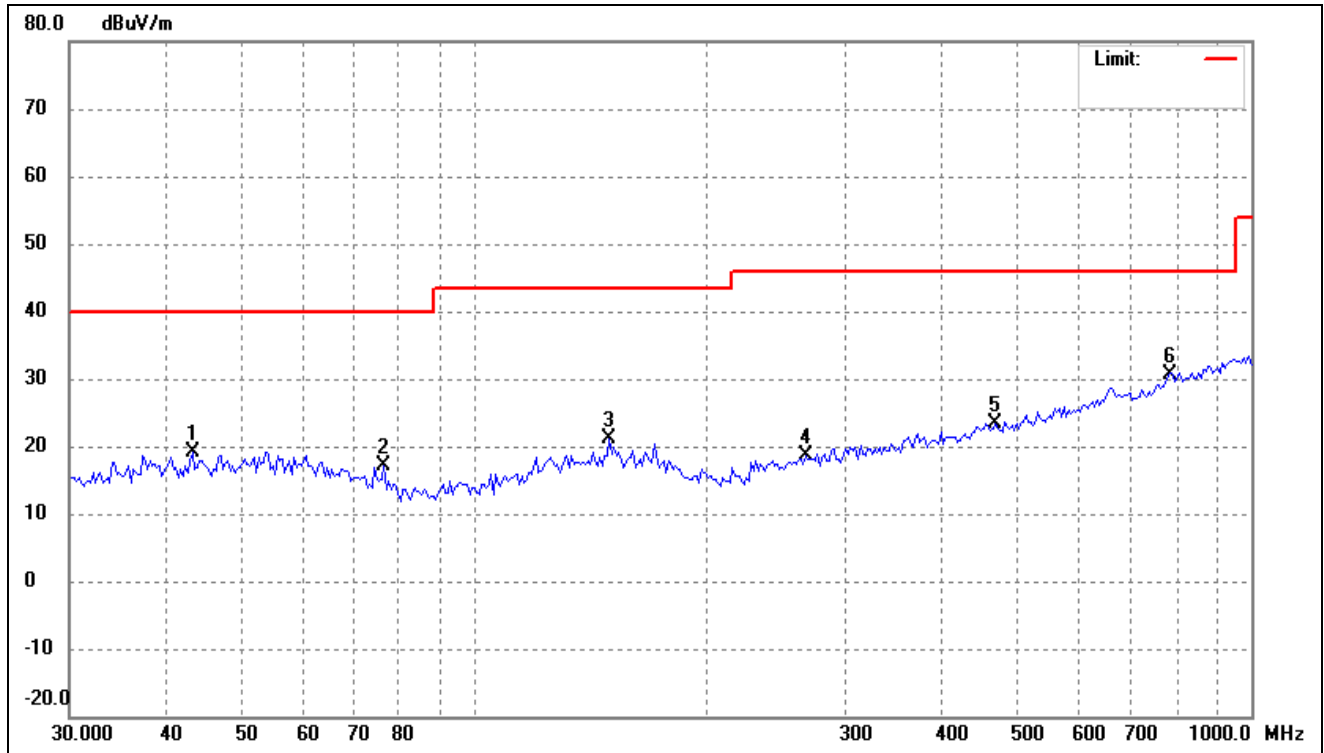
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	50.1080	26.95	-7.59	19.36	40.00	-20.64	-	-	peak
2	148.9175	29.82	-8.14	21.68	43.50	-21.82	-	-	peak
3	248.7319	29.29	-9.75	19.54	46.00	-26.46	-	-	peak
4	379.1780	29.35	-6.53	22.82	46.00	-23.18	-	-	peak
5	590.3511	28.30	-2.48	25.82	46.00	-20.18	-	-	peak
6	838.8870	33.55	1.42	34.97	46.00	-11.03	-	-	peak

802.11n-HT20			
Test Channel	5260MHz(worst case)	Polarity:	Horizontal



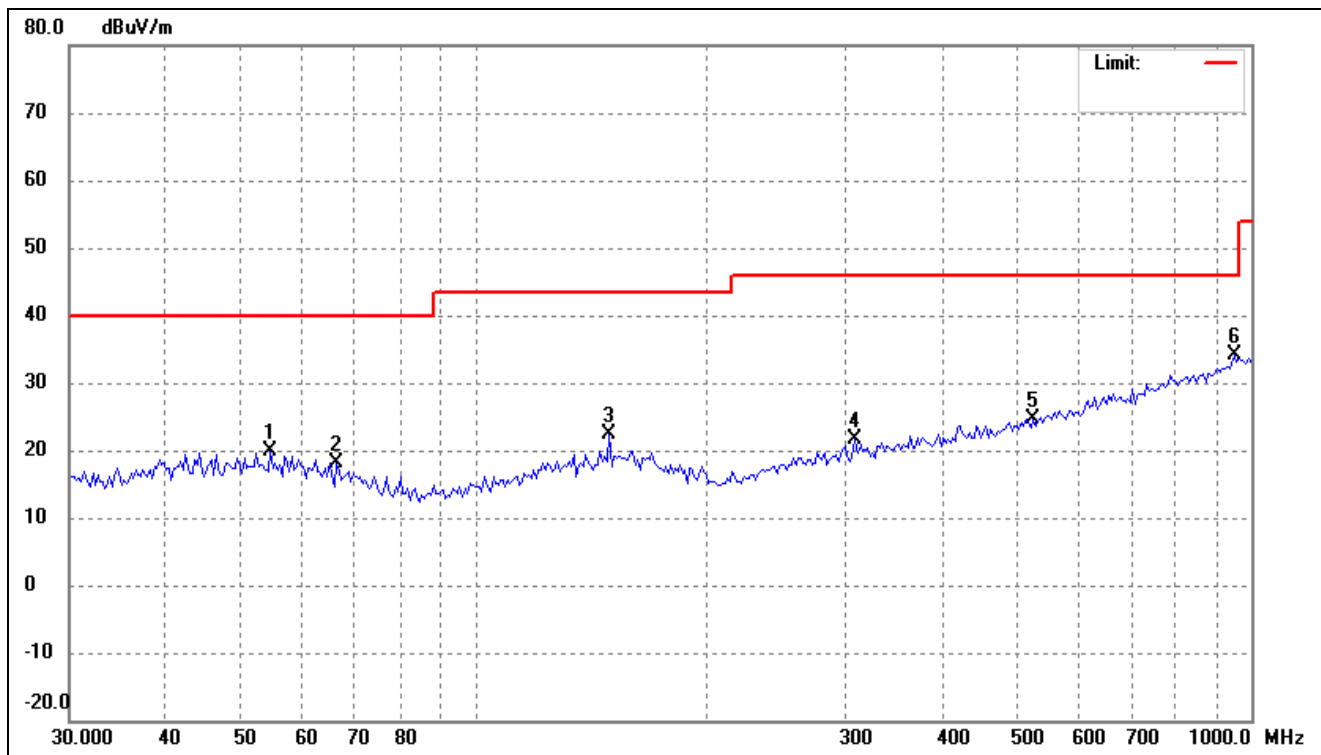
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.8297	27.12	-8.41	18.71	40.00	-21.29	-	-	peak
2	64.0800	27.81	-9.17	18.64	40.00	-21.36	-	-	peak
3	148.9175	28.83	-8.14	20.69	43.50	-22.81	-	-	peak
4	280.2936	28.96	-8.49	20.47	46.00	-25.53	-	-	peak
5	439.4730	28.64	-5.42	23.22	46.00	-22.78	-	-	peak
6	798.6205	30.09	0.98	31.07	46.00	-14.93	-	-	peak

802.11n-HT20			
Test Channel	5260MHz(worst case)	Polarity:	Vertical



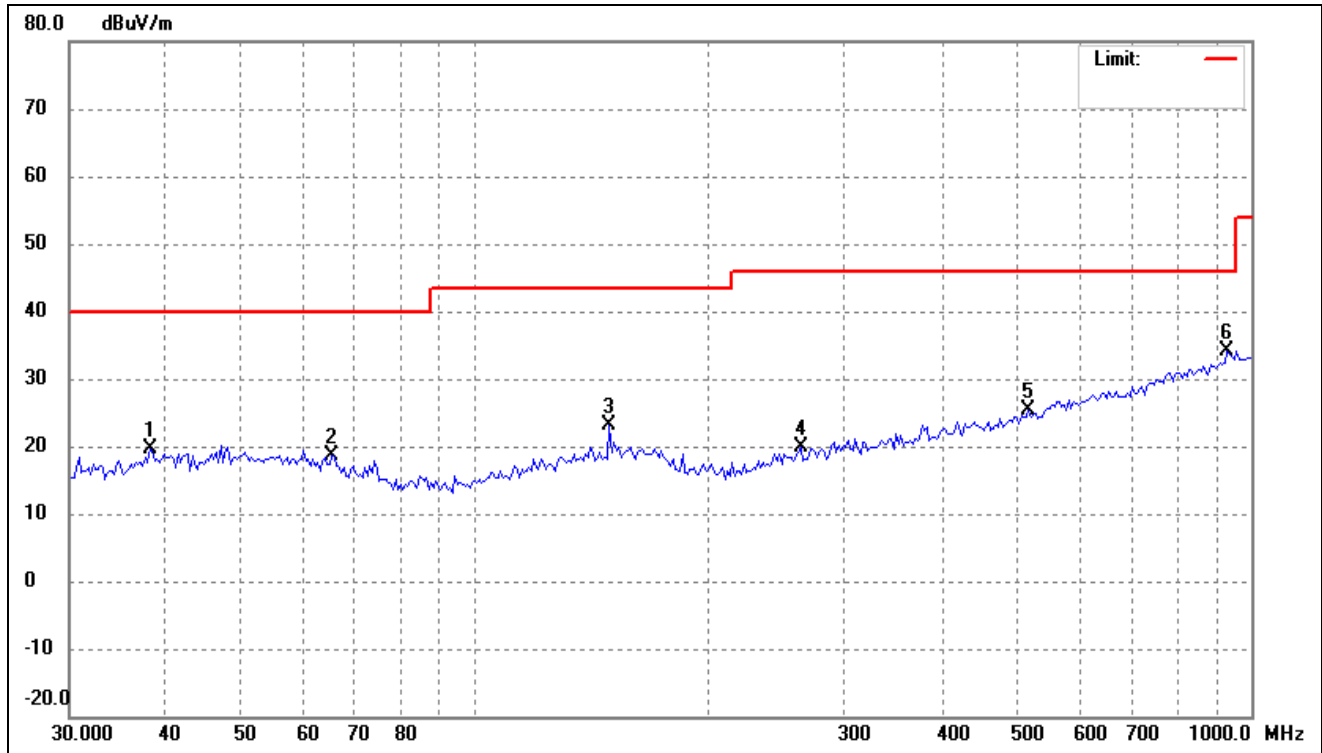
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.2333	26.99	-7.95	19.04	40.00	-20.96	-	-	peak
2	76.3869	28.75	-11.64	17.11	40.00	-22.89	-	-	peak
3	148.9175	29.37	-8.14	21.23	43.50	-22.27	-	-	peak
4	266.8395	27.74	-9.00	18.74	46.00	-27.26	-	-	peak
5	468.1651	28.46	-5.05	23.41	46.00	-22.59	-	-	peak
6	781.9606	29.81	0.70	30.51	46.00	-15.49	-	-	peak

802.11ac-VHT20			
Test Channel	5260MHz(worst case)	Polarity:	Horizontal



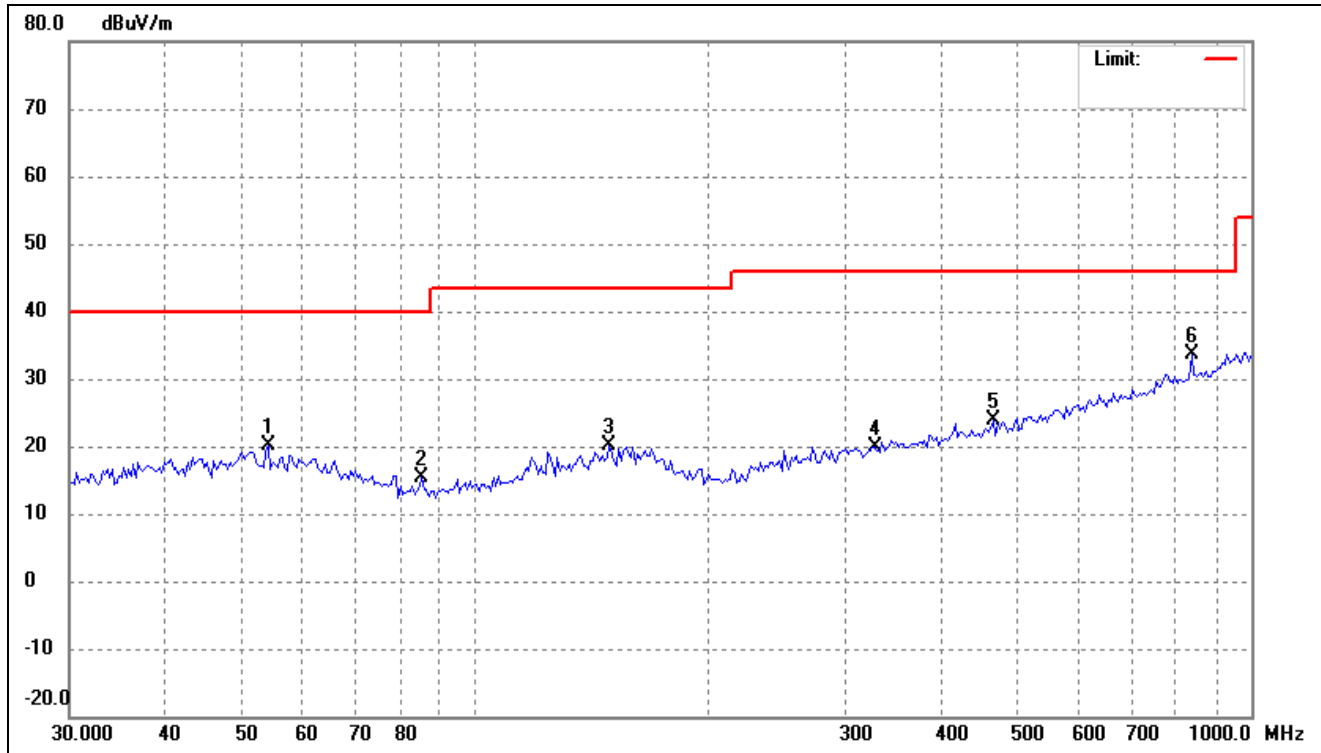
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	54.5167	27.84	-8.07	19.77	40.00	-20.23	-	-	peak
2	66.3715	27.67	-9.59	18.08	40.00	-21.92	-	-	peak
3	148.9175	30.43	-8.14	22.29	43.50	-21.21	-	-	peak
4	309.2710	29.20	-7.66	21.54	46.00	-24.46	-	-	peak
5	523.8763	29.08	-4.34	24.74	46.00	-21.26	-	-	peak
6	952.0001	30.81	3.31	34.12	46.00	-11.88	-	-	peak

802.11ac-VHT20			
Test Channel	5260MHz(worst case)	Polarity:	Vertical



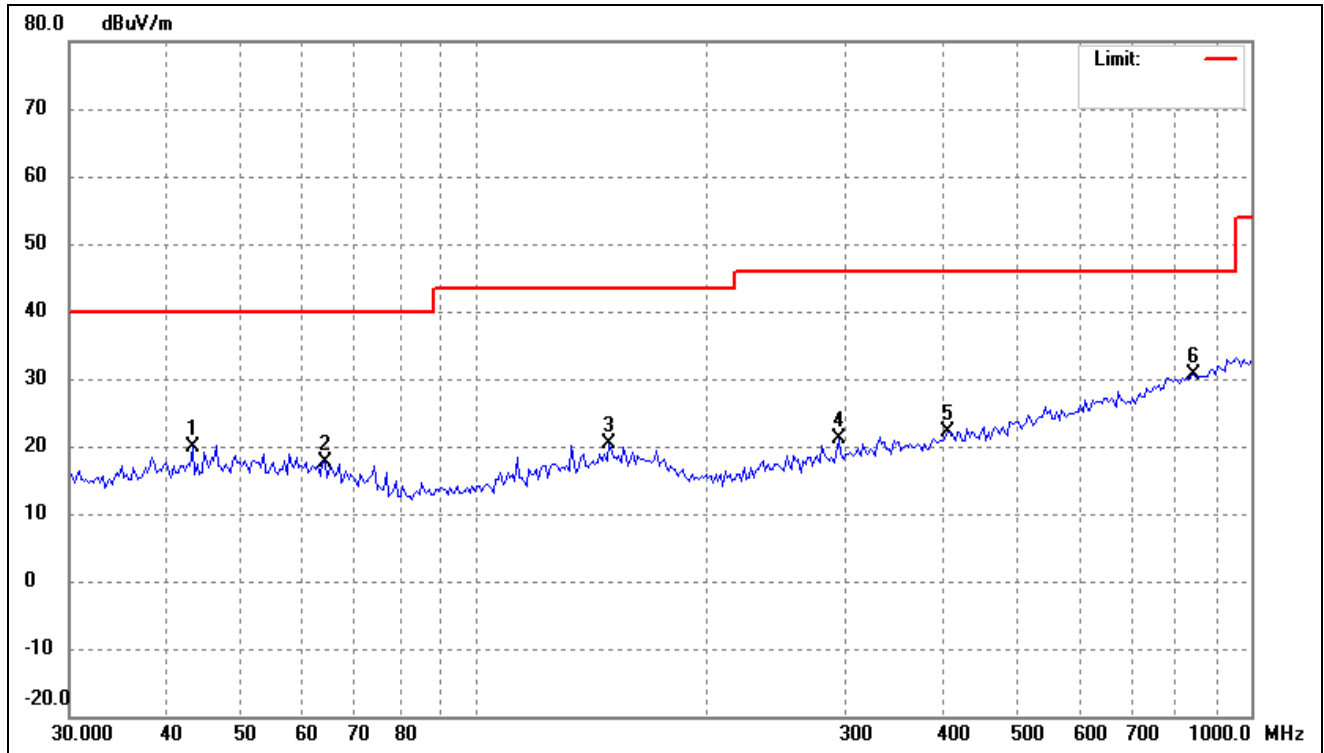
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.0965	28.01	-8.36	19.65	40.00	-20.35	-	-	peak
2	65.4452	28.12	-9.42	18.70	40.00	-21.30	-	-	peak
3	148.9175	31.36	-8.14	23.22	43.50	-20.28	-	-	peak
4	263.1155	28.95	-9.16	19.79	46.00	-26.21	-	-	peak
5	516.5651	29.89	-4.48	25.41	46.00	-20.59	-	-	peak
6	932.1405	31.19	2.87	34.06	46.00	-11.94	-	-	peak

802.11n-HT40			
Test Channel	5270MHz(worst case)	Polarity:	Horizontal



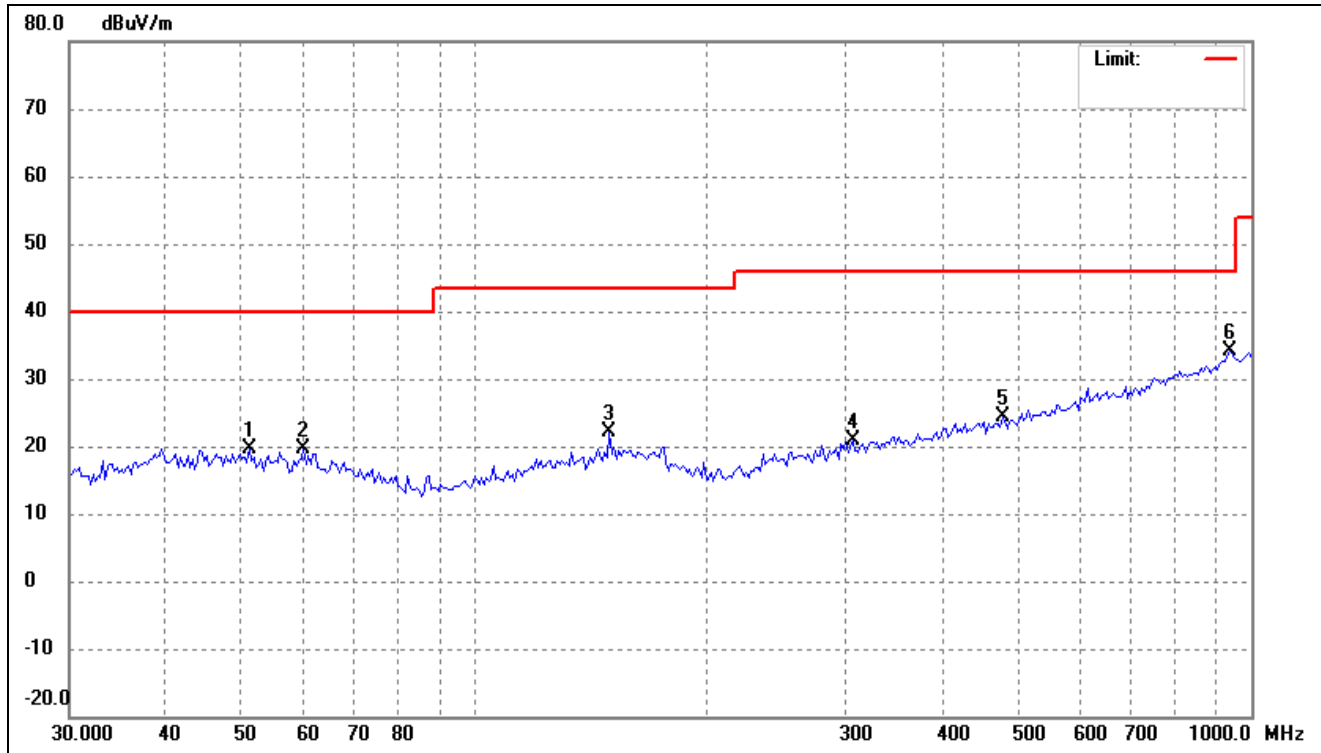
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	54.1349	28.25	-8.03	20.22	40.00	-19.78	-	-	peak
2	85.4769	28.03	-12.53	15.50	40.00	-24.50	-	-	peak
3	148.9175	28.23	-8.14	20.09	43.50	-23.41	-	-	peak
4	327.1554	27.24	-7.30	19.94	46.00	-26.06	-	-	peak
5	464.8867	29.04	-5.06	23.98	46.00	-22.02	-	-	peak
6	838.8870	32.15	1.42	33.57	46.00	-12.43	-	-	peak

802.11n-HT40			
Test Channel	5270MHz(worst case)	Polarity:	Vertical



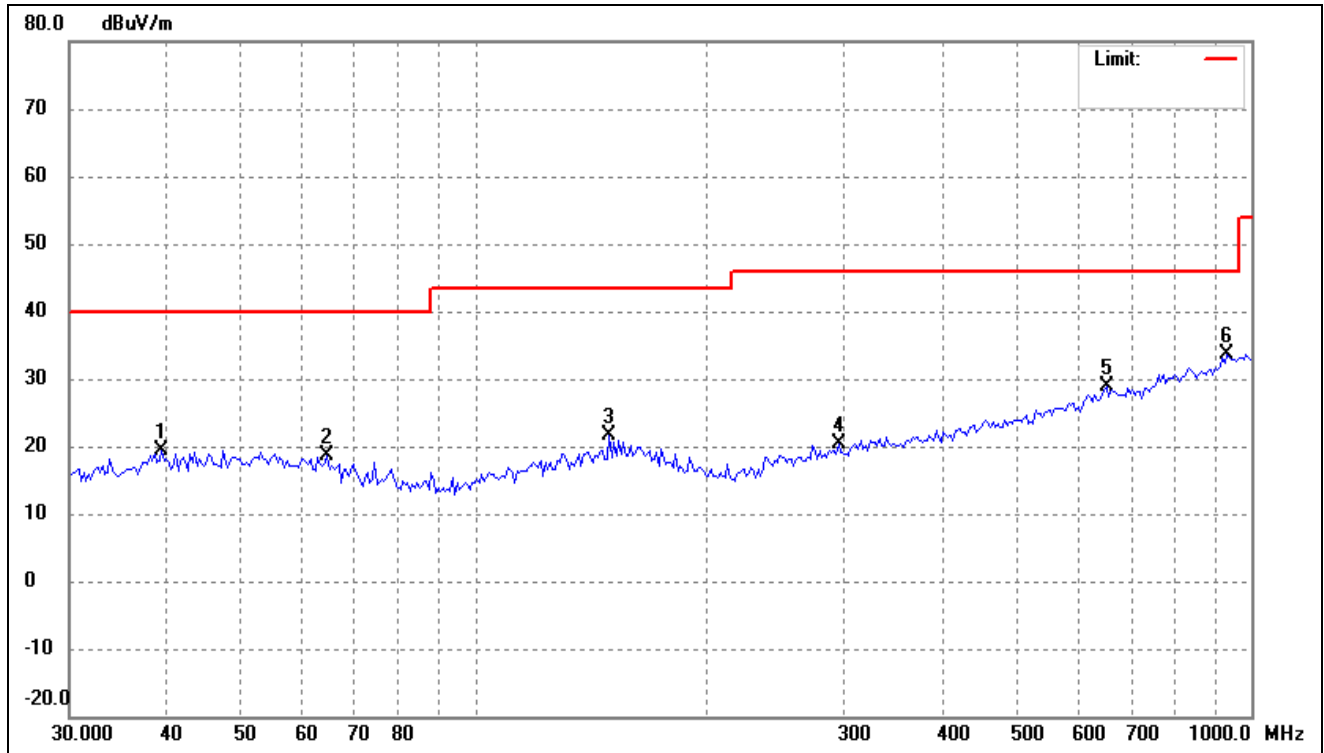
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.2333	27.84	-7.95	19.89	40.00	-20.11	-	-	peak
2	64.0800	26.84	-9.17	17.67	40.00	-22.33	-	-	peak
3	148.9175	28.47	-8.14	20.33	43.50	-23.17	-	-	peak
4	294.4260	29.20	-8.04	21.16	46.00	-24.84	-	-	peak
5	406.7820	28.25	-6.12	22.13	46.00	-23.87	-	-	peak
6	844.8028	29.19	1.48	30.67	46.00	-15.33	-	-	peak

802.11ac-VHT40			
Test Channel	5270MHz(worst case)	Polarity:	Horizontal



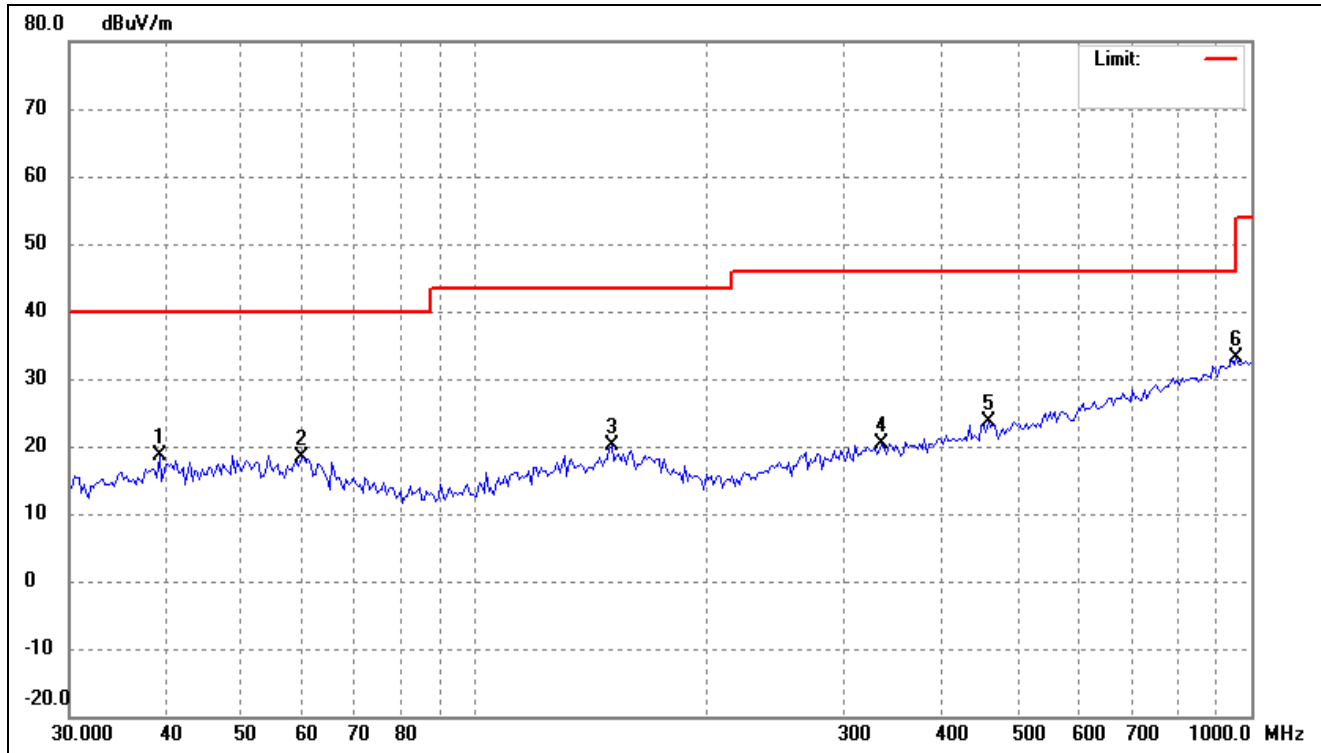
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	51.1756	27.31	-7.72	19.59	40.00	-20.41	-	-	peak
2	60.1528	28.05	-8.46	19.59	40.00	-20.41	-	-	peak
3	148.9175	30.19	-8.14	22.05	43.50	-21.45	-	-	peak
4	307.1053	28.66	-7.71	20.95	46.00	-25.05	-	-	peak
5	478.1394	29.30	-4.97	24.33	46.00	-21.67	-	-	peak
6	938.7139	31.13	3.03	34.16	46.00	-11.84	-	-	peak

802.11ac-VHT40			
Test Channel	5270MHz(worst case)	Polarity:	Vertical



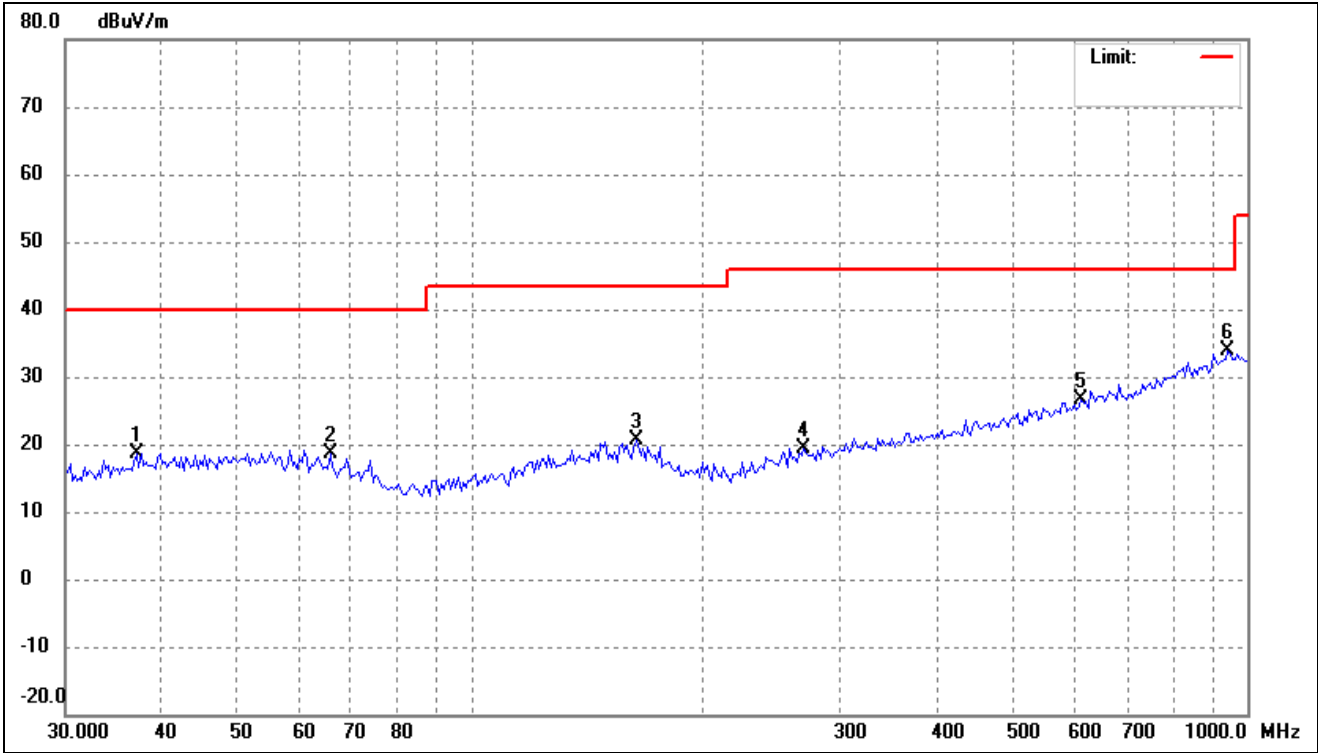
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.4588	27.40	-8.07	19.33	40.00	-20.67	-	-	peak
2	64.5319	27.99	-9.25	18.74	40.00	-21.26	-	-	peak
3	148.9175	29.69	-8.14	21.55	43.50	-21.95	-	-	peak
4	294.4260	28.47	-8.04	20.43	46.00	-25.57	-	-	peak
5	651.3831	30.37	-1.54	28.83	46.00	-17.17	-	-	peak
6	932.1405	30.80	2.87	33.67	46.00	-12.33	-	-	peak

802.11ac-VHT80			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	26.87	-8.12	18.75	40.00	-21.25	-	-	peak
2	59.7315	26.90	-8.41	18.49	40.00	-21.51	-	-	peak
3	149.9676	28.26	-8.04	20.22	43.50	-23.28	-	-	peak
4	334.1255	27.53	-7.23	20.30	46.00	-25.70	-	-	peak
5	458.3987	28.70	-5.12	23.58	46.00	-22.42	-	-	peak
6	958.7135	29.84	3.34	33.18	46.00	-12.82	-	-	peak

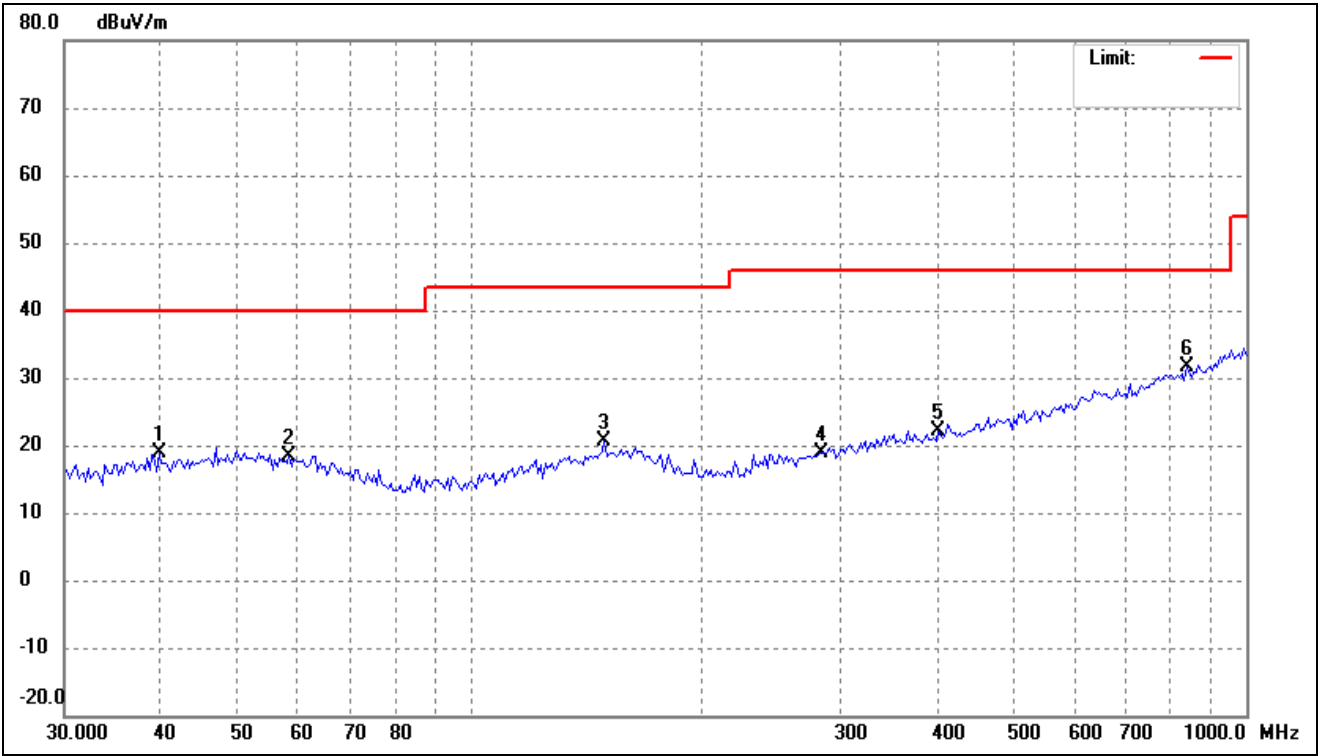
802.11ac-VHT80			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.0405	27.18	-8.58	18.60	40.00	-21.40	-	-	peak
2	65.9067	28.09	-9.51	18.58	40.00	-21.42	-	-	peak
3	163.1623	28.68	-8.13	20.55	43.50	-22.95	-	-	peak
4	268.7212	28.40	-8.92	19.48	46.00	-26.52	-	-	peak
5	611.4623	28.55	-2.03	26.52	46.00	-19.48	-	-	peak
6	945.3336	30.65	3.19	33.84	46.00	-12.16	-	-	peak

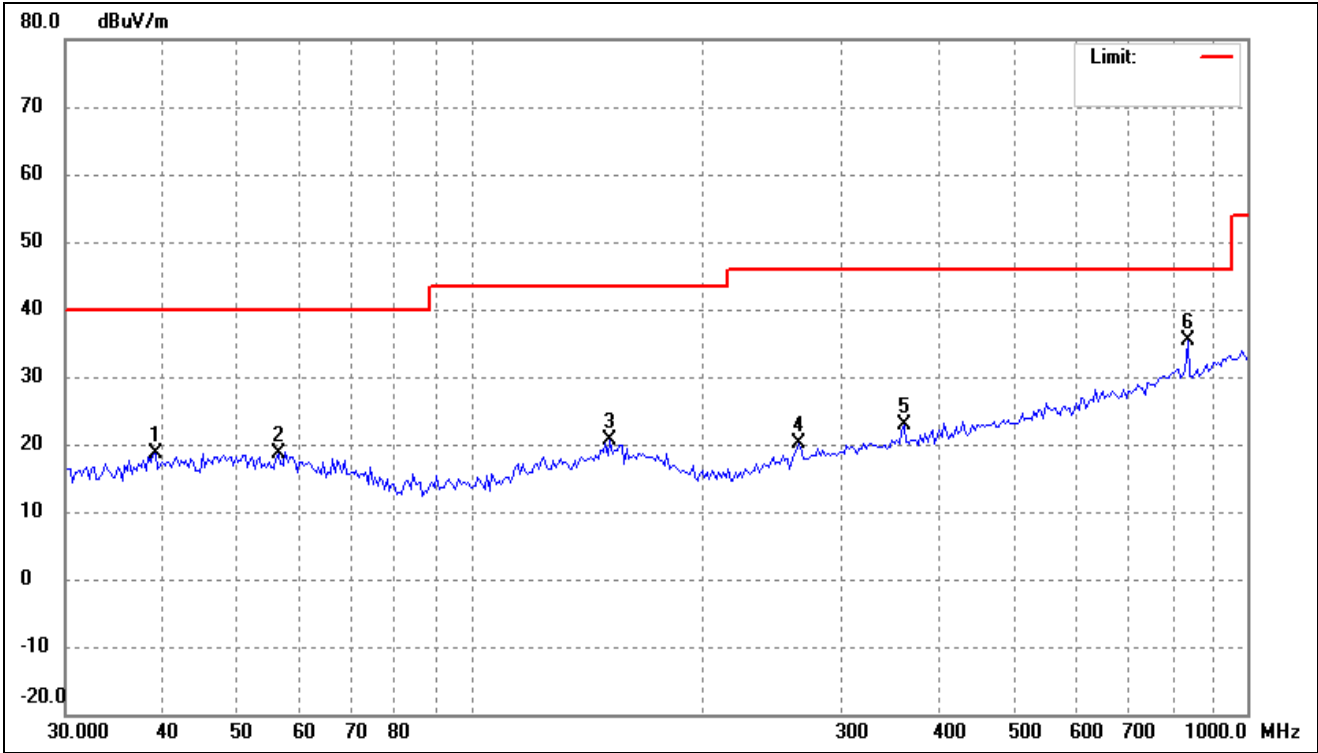
➤ 5470-5725MHz

802.11a			
Test Channel	5500MHz(worst case)	Polarity:	Horizontal



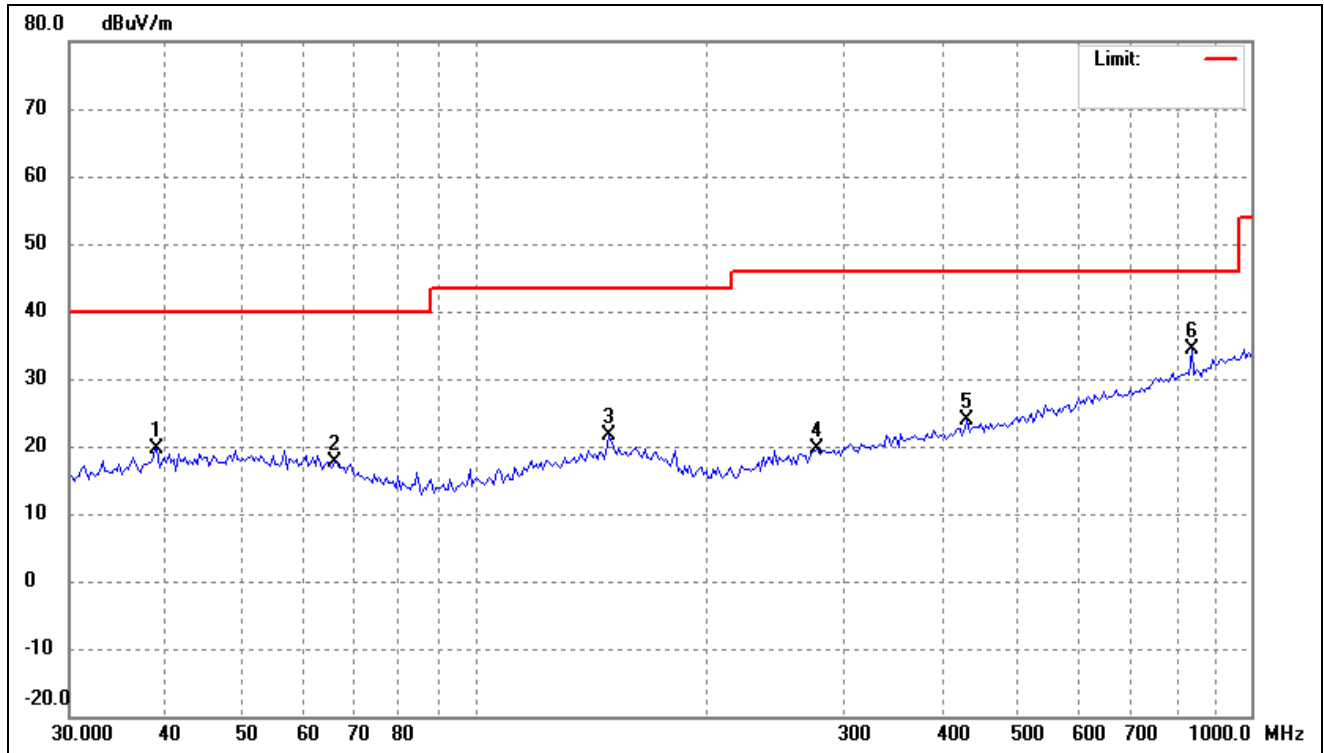
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.7371	26.89	-8.01	18.88	40.00	-21.12	-	-	peak
2	58.4855	26.79	-8.34	18.45	40.00	-21.55	-	-	peak
3	148.9175	28.66	-8.14	20.52	43.50	-22.98	-	-	peak
4	284.2607	27.30	-8.36	18.94	46.00	-27.06	-	-	peak
5	401.1050	28.49	-6.24	22.25	46.00	-23.75	-	-	peak
6	838.8870	30.12	1.42	31.54	46.00	-14.46	-	-	peak

802.11a			
Test Channel	5500MHz(worst case)	Polarity:	Vertical



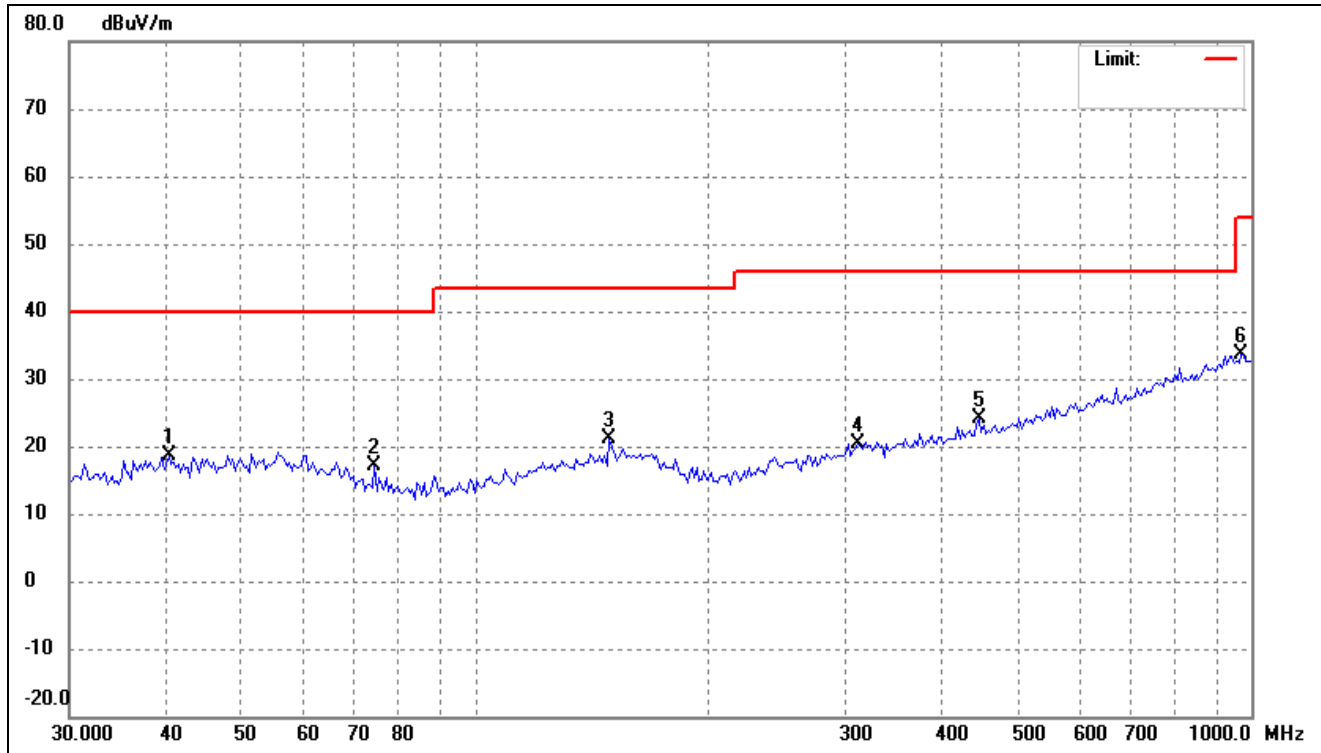
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	26.76	-8.12	18.64	40.00	-21.36	-	-	peak
2	56.4662	26.93	-8.21	18.72	40.00	-21.28	-	-	peak
3	151.0252	28.78	-8.05	20.73	43.50	-22.77	-	-	peak
4	264.9709	29.19	-9.08	20.11	46.00	-25.89	-	-	peak
5	360.9775	29.72	-6.86	22.86	46.00	-23.14	-	-	peak
6	838.8870	34.01	1.42	35.43	46.00	-10.57	-	-	peak

802.11n-HT20			
Test Channel	5500MHz(worst case)	Polarity:	Horizontal



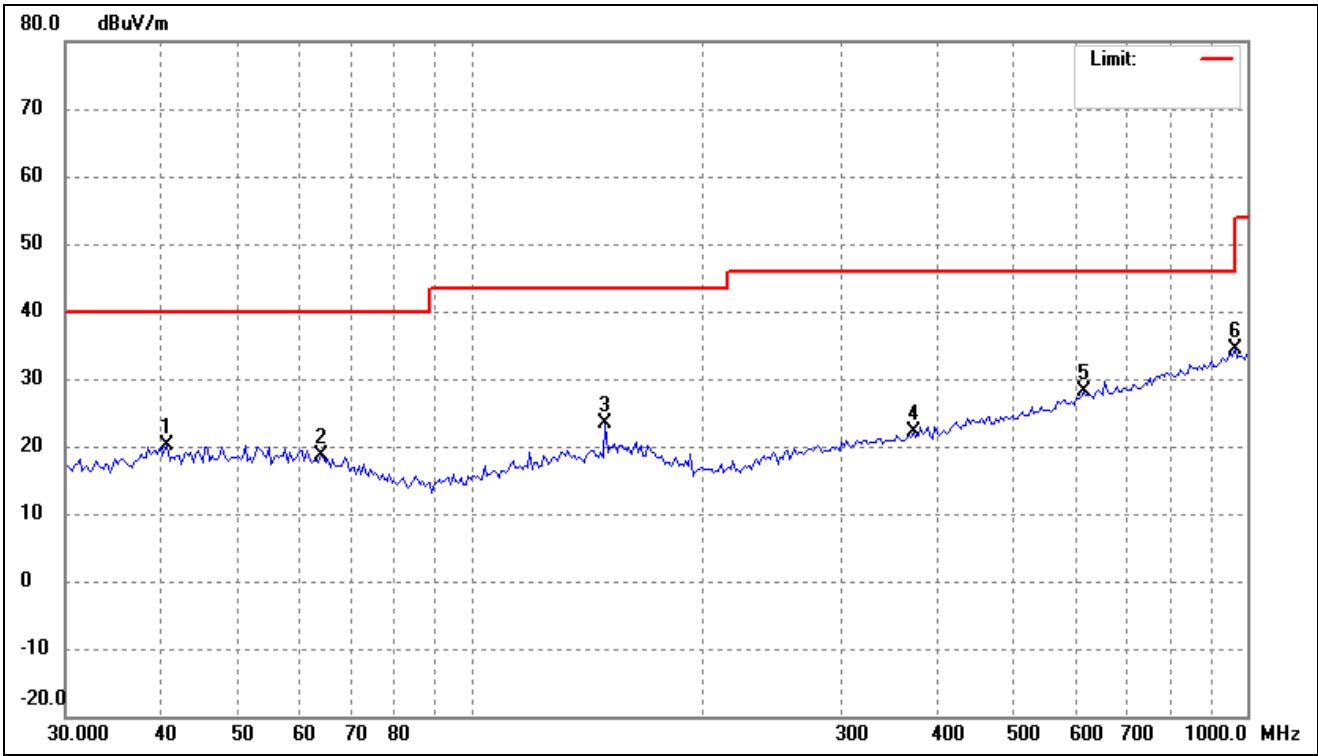
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.6357	27.89	-8.25	19.64	40.00	-20.36	-	-	peak
2	65.9067	27.24	-9.51	17.73	40.00	-22.27	-	-	peak
3	148.9175	29.82	-8.14	21.68	43.50	-21.82	-	-	peak
4	276.3818	28.36	-8.62	19.74	46.00	-26.26	-	-	peak
5	430.3053	29.38	-5.62	23.76	46.00	-22.24	-	-	peak
6	838.8870	33.04	1.42	34.46	46.00	-11.54	-	-	peak

802.11n-HT20			
Test Channel	5500MHz(worst case)	Polarity:	Vertical



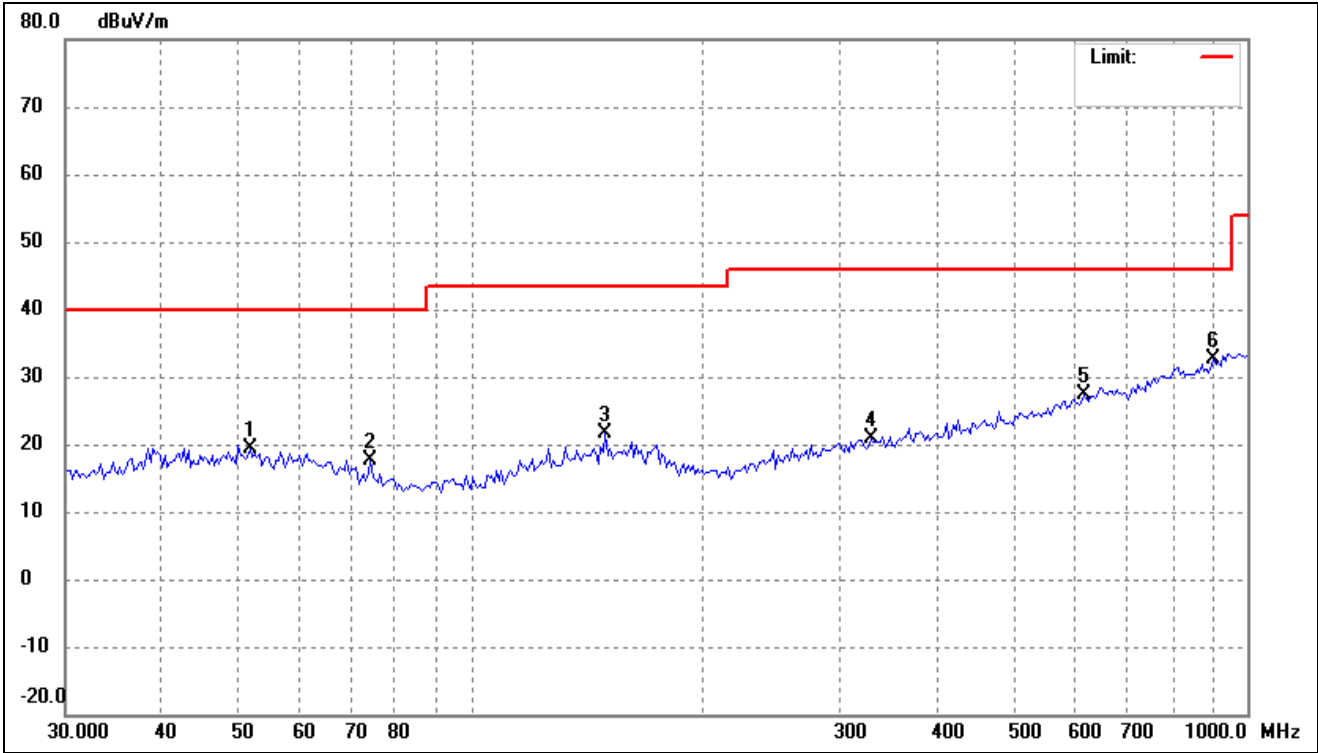
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.2995	26.60	-7.96	18.64	40.00	-21.36	-	-	peak
2	74.2696	28.39	-11.18	17.21	40.00	-22.79	-	-	peak
3	148.9175	29.39	-8.14	21.25	43.50	-22.25	-	-	peak
4	311.4519	28.04	-7.61	20.43	46.00	-25.57	-	-	peak
5	445.6932	29.34	-5.28	24.06	46.00	-21.94	-	-	peak
6	972.2827	30.28	3.39	33.67	54.00	-20.33	-	-	peak

802.11ac-VHT20			
Test Channel	5500MHz(worst case)	Polarity:	Horizontal



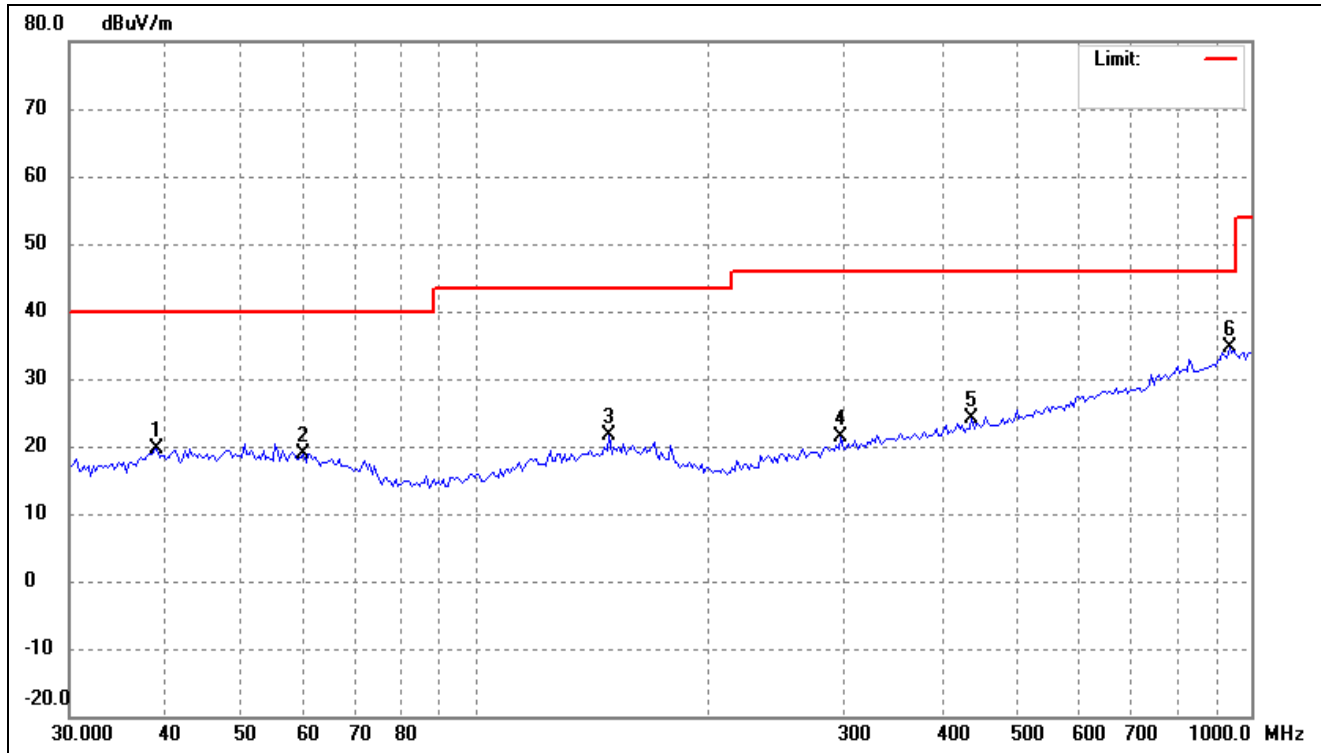
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	40.5837	28.10	-7.96	20.14	40.00	-19.86	-	-	peak
2	64.0800	27.86	-9.17	18.69	40.00	-21.31	-	-	peak
3	148.9175	31.46	-8.14	23.32	43.50	-20.18	-	-	peak
4	371.2680	28.68	-6.67	22.01	46.00	-23.99	-	-	peak
5	615.7743	30.02	-1.96	28.06	46.00	-17.94	-	-	peak
6	965.4742	31.02	3.37	34.39	54.00	-19.61	-	-	peak

802.11ac-VHT20			
Test Channel	5500MHz(worst case)	Polarity:	Vertical



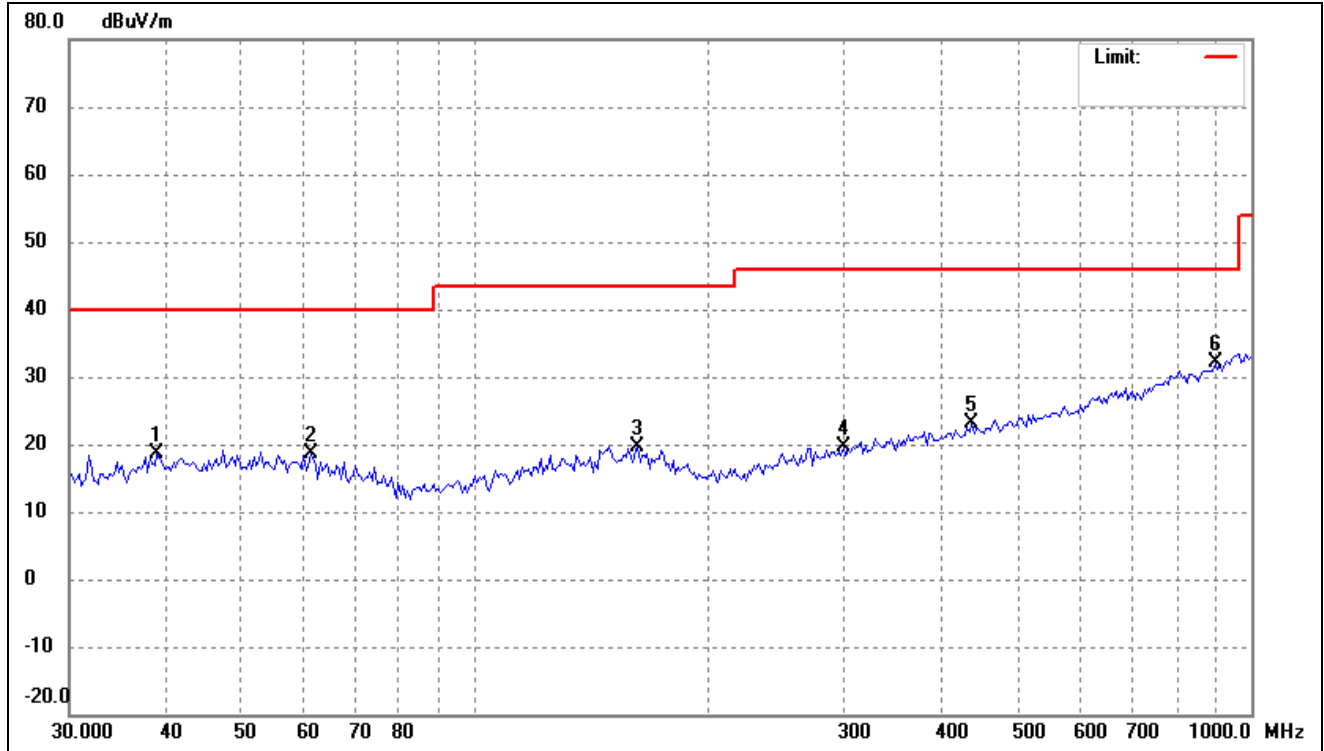
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	51.8999	27.24	-7.79	19.45	40.00	-20.55	-	-	peak
2	74.2696	28.79	-11.18	17.61	40.00	-22.39	-	-	peak
3	148.9175	29.83	-8.14	21.69	43.50	-21.81	-	-	peak
4	327.1554	28.14	-7.30	20.84	46.00	-25.16	-	-	peak
5	615.7743	29.25	-1.96	27.29	46.00	-18.71	-	-	peak
6	906.3041	30.35	2.24	32.59	46.00	-13.41	-	-	peak

802.11n-HT40			
Test Channel	5510MHz(worst case)	Polarity:	Horizontal



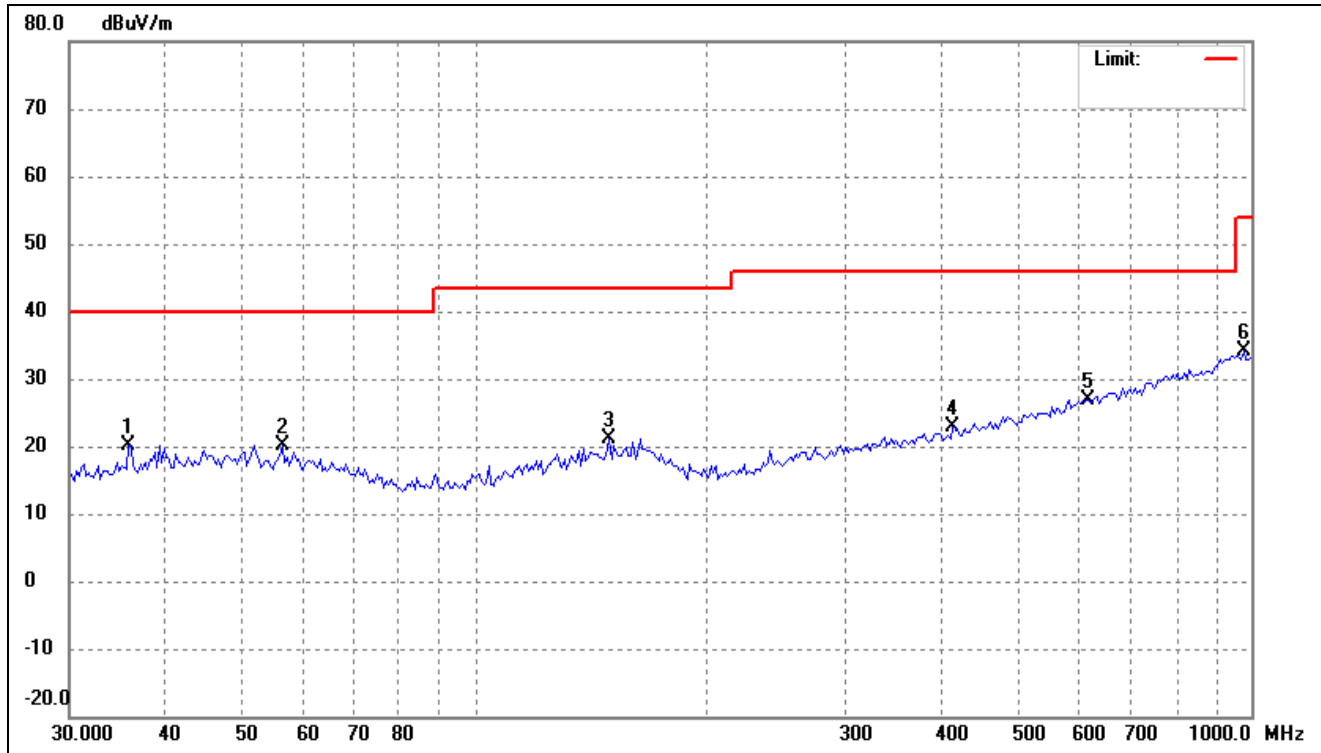
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	27.79	-8.19	19.60	40.00	-20.40	-	-	peak
2	60.1528	27.45	-8.46	18.99	40.00	-21.01	-	-	peak
3	148.9175	29.81	-8.14	21.67	43.50	-21.83	-	-	peak
4	296.5023	29.44	-7.98	21.46	46.00	-24.54	-	-	peak
5	436.3956	29.56	-5.47	24.09	46.00	-21.91	-	-	peak
6	938.7139	31.61	3.03	34.64	46.00	-11.36	-	-	peak

802.11n-HT40			
Test Channel	5510MHz(worst case)	Polarity:	Vertical



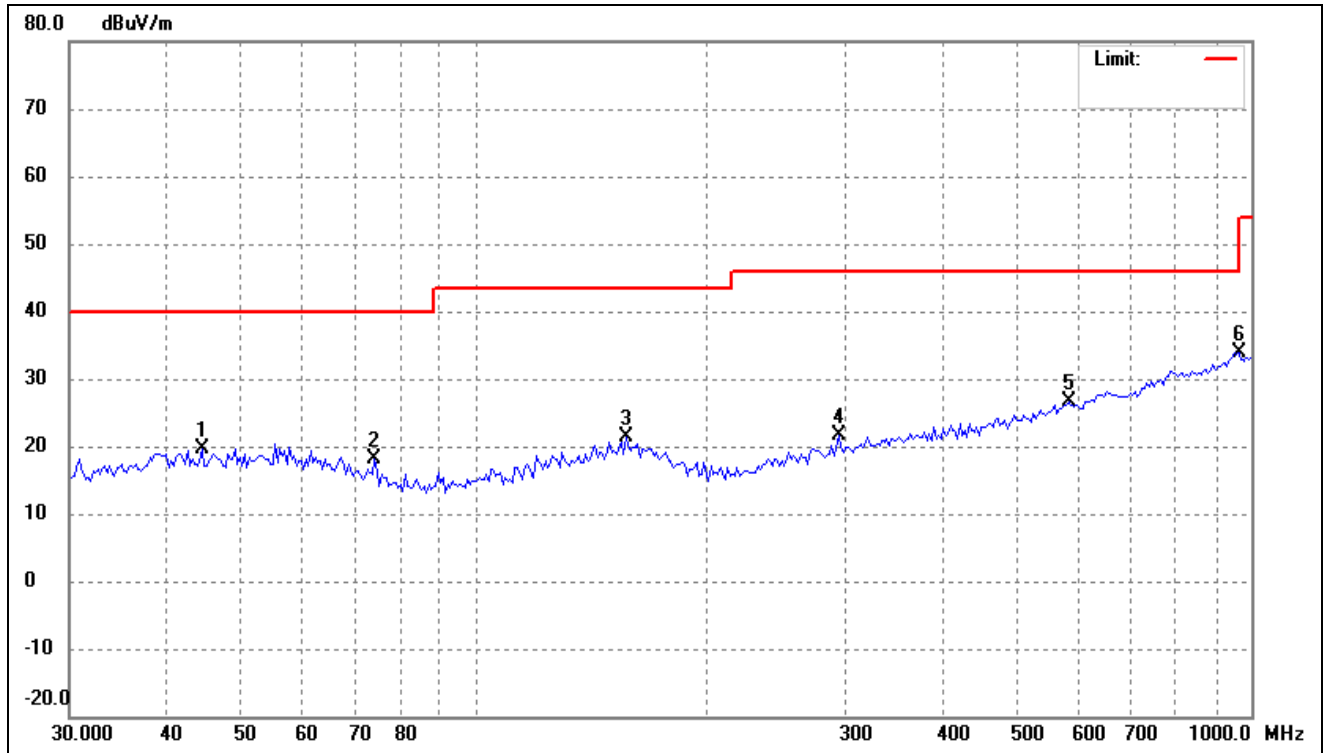
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.9081	26.92	-8.19	18.73	40.00	-21.27	-	-	peak
2	61.4343	27.36	-8.69	18.67	40.00	-21.33	-	-	peak
3	162.0197	27.73	-8.10	19.63	43.50	-23.87	-	-	peak
4	298.5932	27.61	-7.90	19.71	46.00	-26.29	-	-	peak
5	436.3956	28.68	-5.47	23.21	46.00	-22.79	-	-	peak
6	899.9577	30.06	2.09	32.15	46.00	-13.85	-	-	peak

802.11ac-VHT40			
Test Channel	5510MHz(worst case)	Polarity:	Horizontal



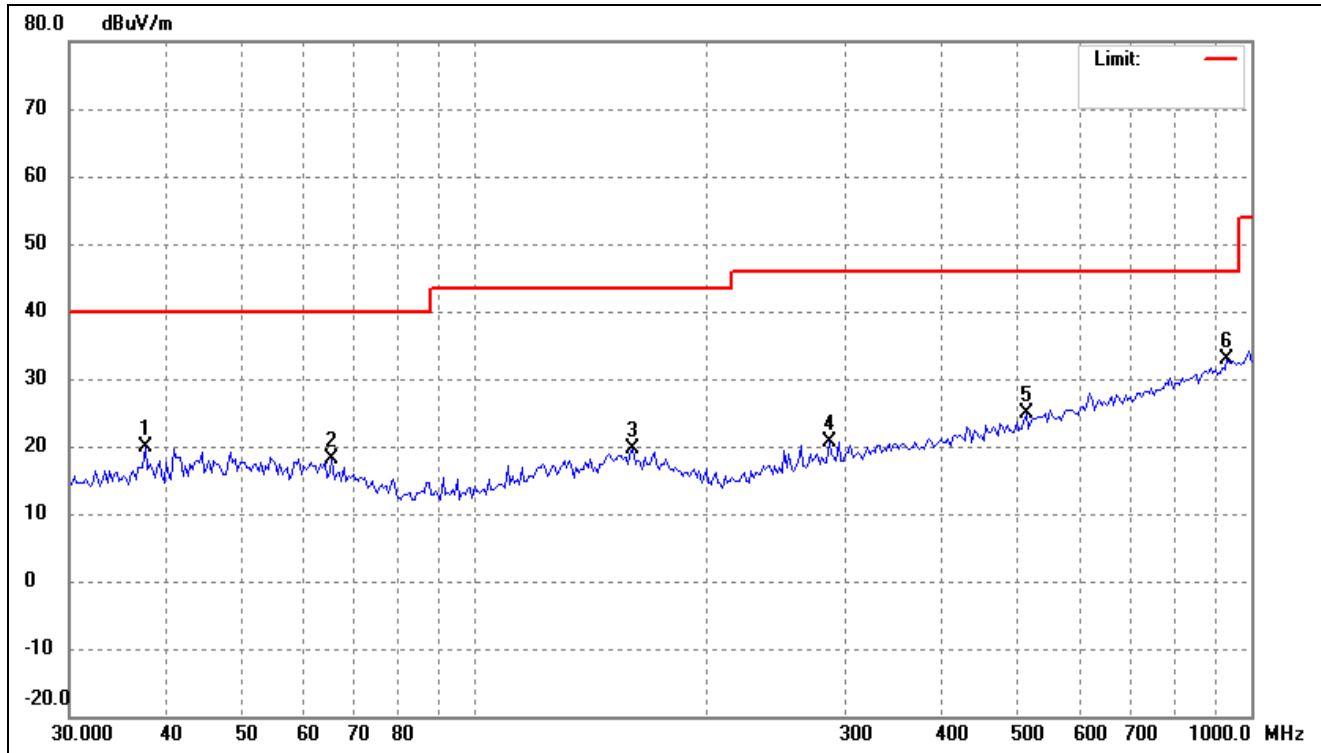
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	35.7617	29.07	-8.85	20.22	40.00	-19.78	-	-	peak
2	56.4662	28.46	-8.21	20.25	40.00	-19.75	-	-	peak
3	148.9175	29.28	-8.14	21.14	43.50	-22.36	-	-	peak
4	412.5395	28.90	-6.00	22.90	46.00	-23.10	-	-	peak
5	615.7743	28.86	-1.96	26.90	46.00	-19.10	-	-	peak
6	979.1392	30.82	3.42	34.24	54.00	-19.76	-	-	peak

802.11ac-VHT40			
Test Channel	5510MHz(worst case)	Polarity:	Vertical



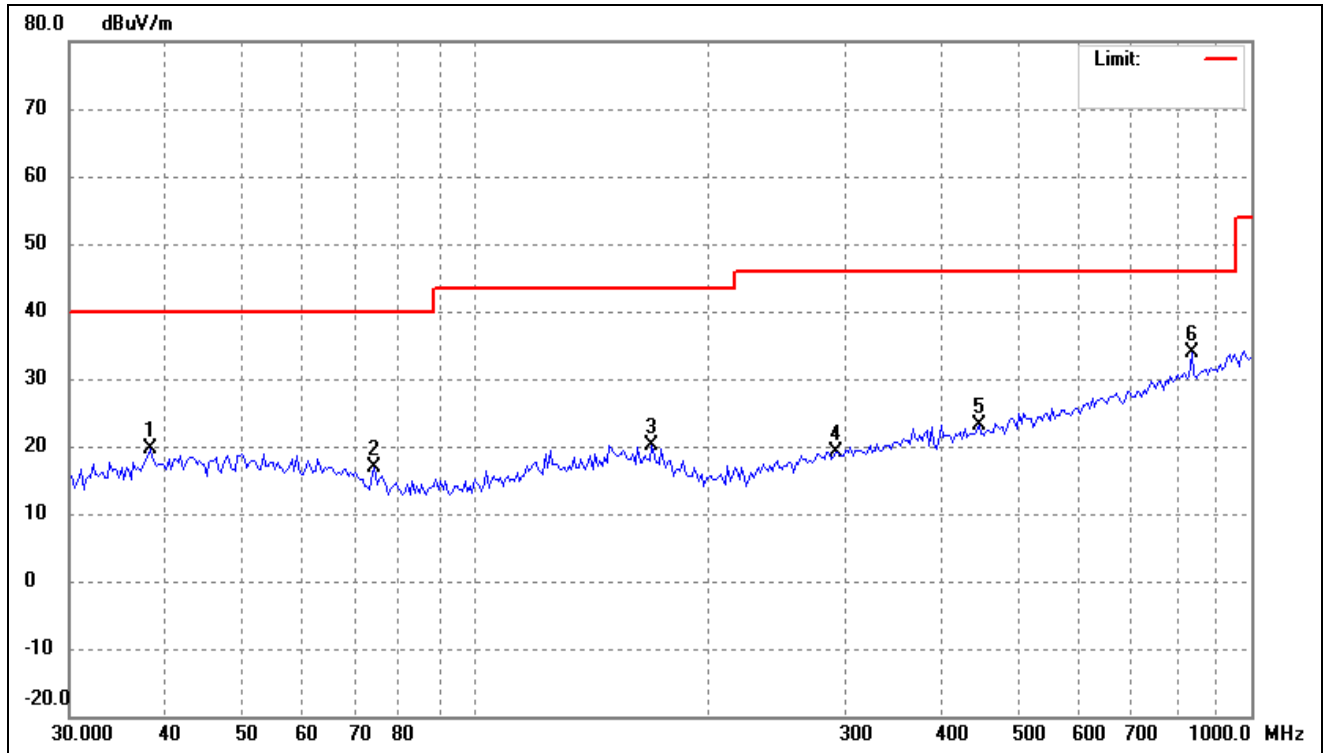
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	44.4657	27.65	-7.96	19.69	40.00	-20.31	-	-	peak
2	74.2696	29.34	-11.18	18.16	40.00	-21.84	-	-	peak
3	156.4259	29.38	-8.05	21.33	43.50	-22.17	-	-	peak
4	294.4260	29.58	-8.04	21.54	46.00	-24.46	-	-	peak
5	582.1122	29.38	-2.68	26.70	46.00	-19.30	-	-	peak
6	965.4742	30.59	3.37	33.96	54.00	-20.04	-	-	peak

802.11ac-VHT80			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	37.5648	28.42	-8.47	19.95	40.00	-20.05	-	-	peak
2	65.4452	27.46	-9.42	18.04	40.00	-21.96	-	-	peak
3	159.7586	27.74	-8.05	19.69	43.50	-23.81	-	-	peak
4	286.2653	28.97	-8.30	20.67	46.00	-25.33	-	-	peak
5	512.9478	29.56	-4.56	25.00	46.00	-21.00	-	-	peak
6	932.1405	30.05	2.87	32.92	46.00	-13.08	-	-	peak

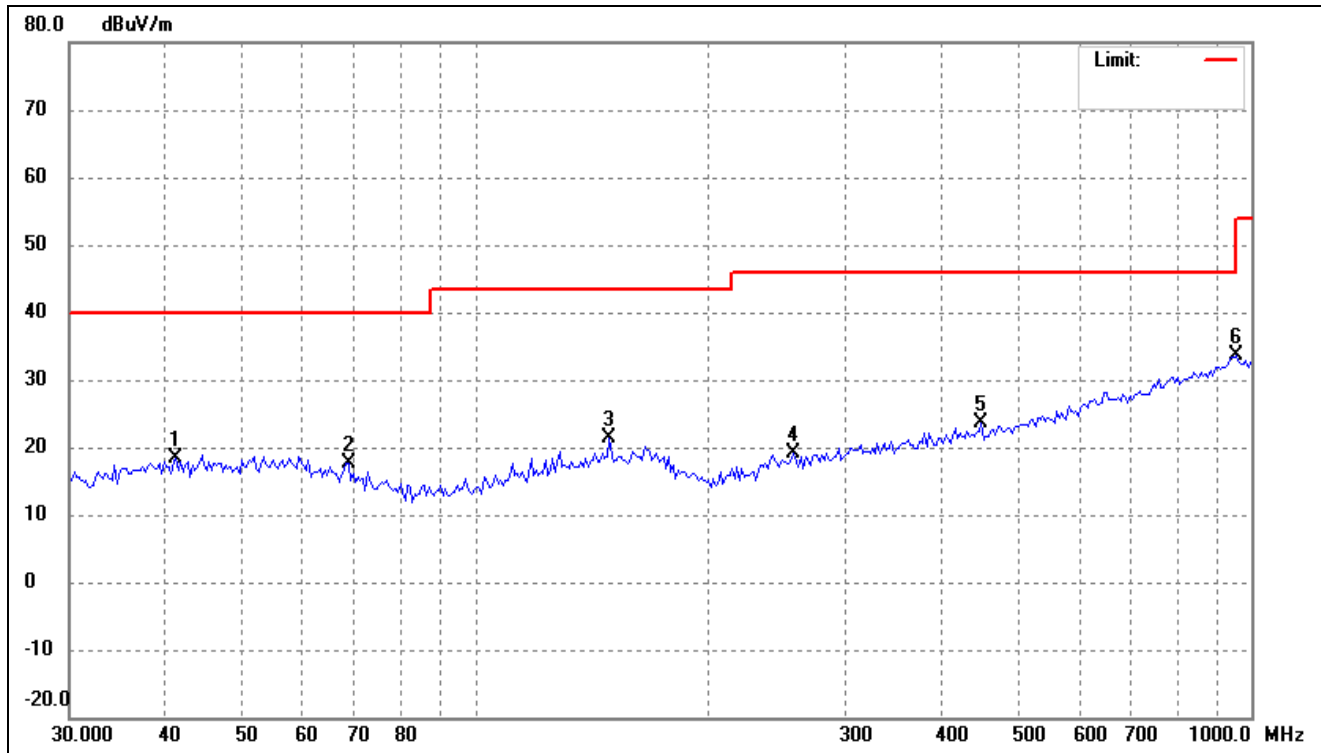
802.11ac-VHT80			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.0965	28.09	-8.36	19.73	40.00	-20.27	-	-	peak
2	74.2696	27.97	-11.18	16.79	40.00	-23.21	-	-	peak
3	168.9970	28.45	-8.29	20.16	43.50	-23.34	-	-	peak
4	292.3643	27.29	-8.11	19.18	46.00	-26.82	-	-	peak
5	445.6932	28.47	-5.28	23.19	46.00	-22.81	-	-	peak
6	838.8870	32.42	1.42	33.84	46.00	-12.16	-	-	peak

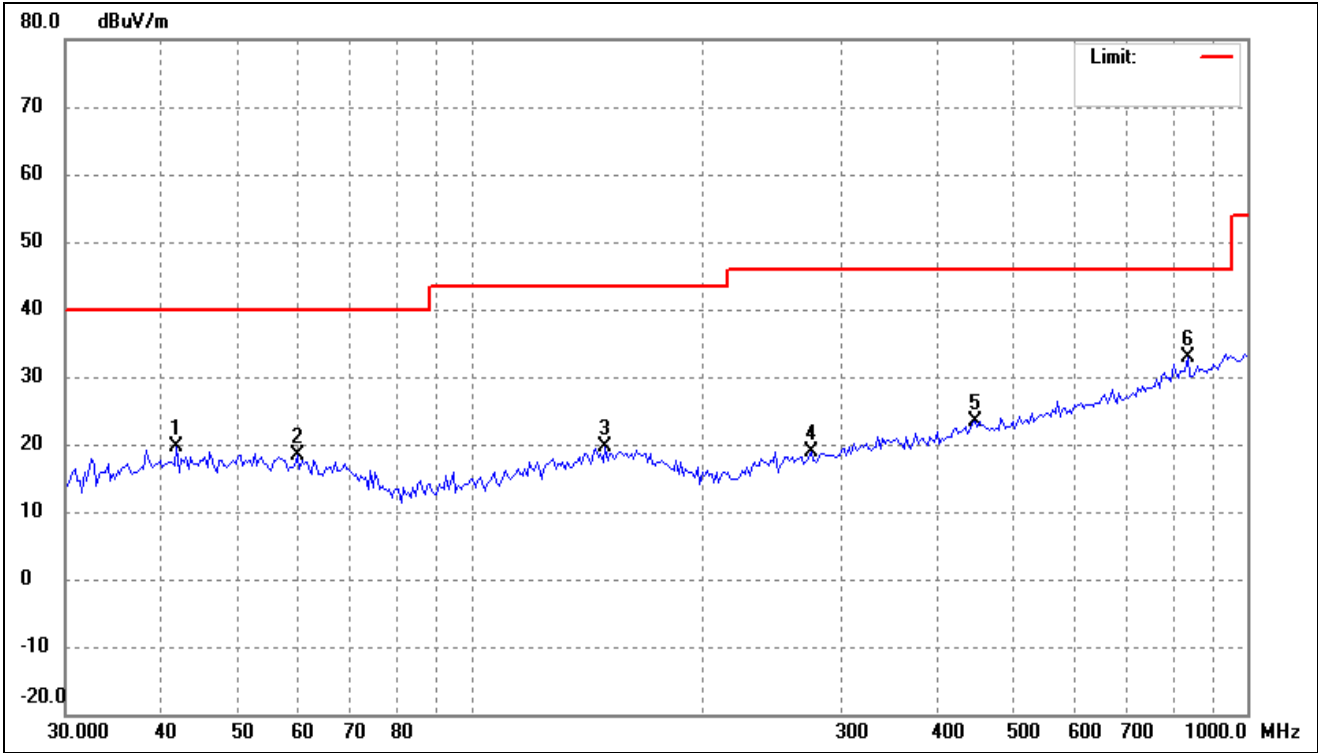
➤ 5725-5850MHz

802.11a			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



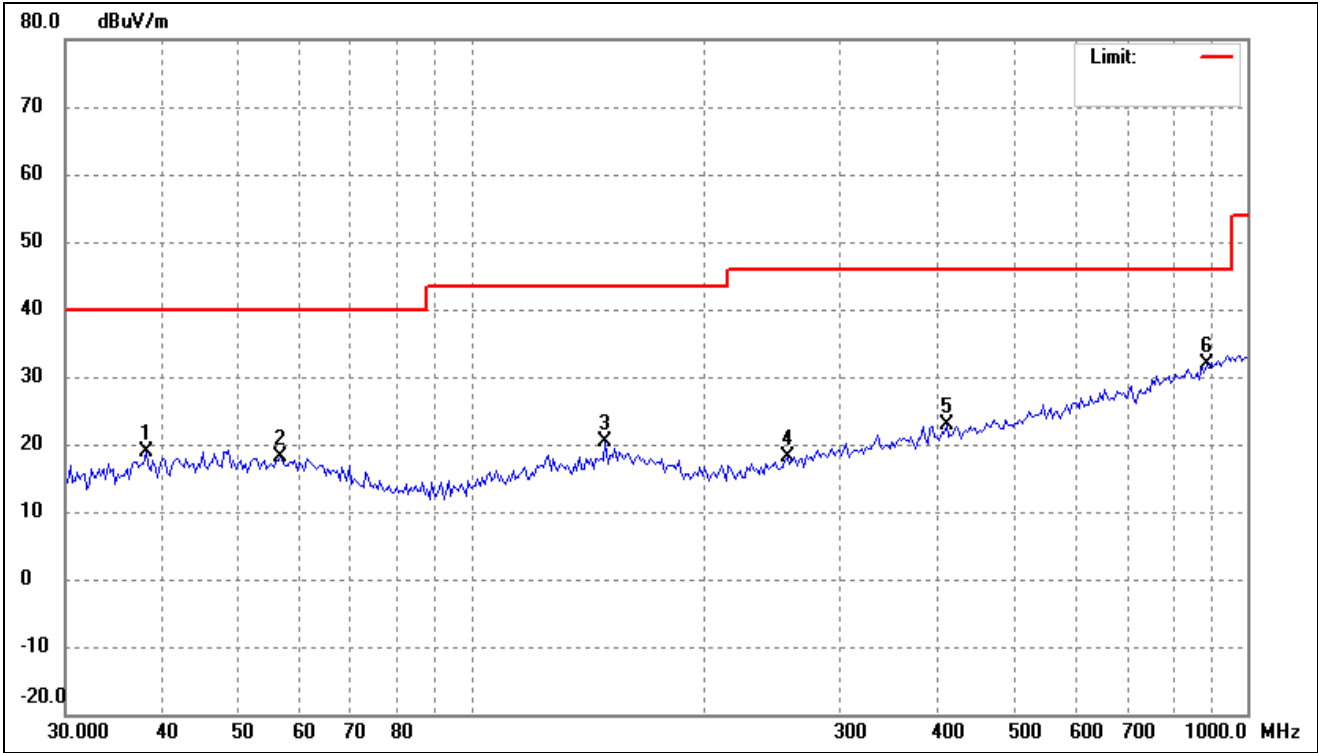
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.1581	26.28	-7.96	18.32	40.00	-21.68	-	-	peak
2	68.7450	27.68	-10.03	17.65	40.00	-22.35	-	-	peak
3	148.9175	29.61	-8.14	21.47	43.50	-22.03	-	-	peak
4	257.6266	28.40	-9.38	19.02	46.00	-26.98	-	-	peak
5	448.8361	28.72	-5.20	23.52	46.00	-22.48	-	-	peak
6	958.7135	30.19	3.34	33.53	46.00	-12.47	-	-	peak

802.11a			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



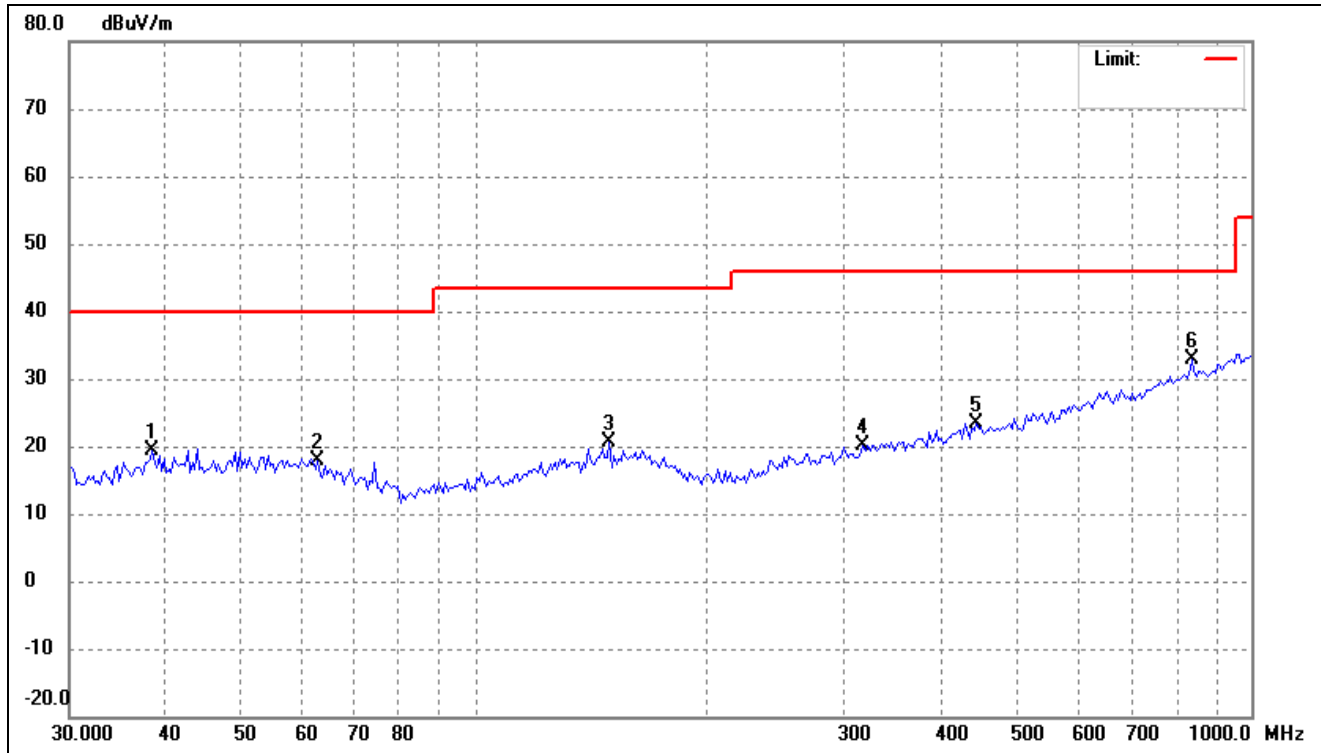
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.7406	27.48	-7.95	19.53	40.00	-20.47	-	-	peak
2	59.7315	26.83	-8.41	18.42	40.00	-21.58	-	-	peak
3	148.9175	27.89	-8.14	19.75	43.50	-23.75	-	-	peak
4	274.4464	27.66	-8.68	18.98	46.00	-27.02	-	-	peak
5	445.6932	28.65	-5.28	23.37	46.00	-22.63	-	-	peak
6	838.8870	31.57	1.42	32.99	46.00	-13.01	-	-	peak

802.11n-HT20			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



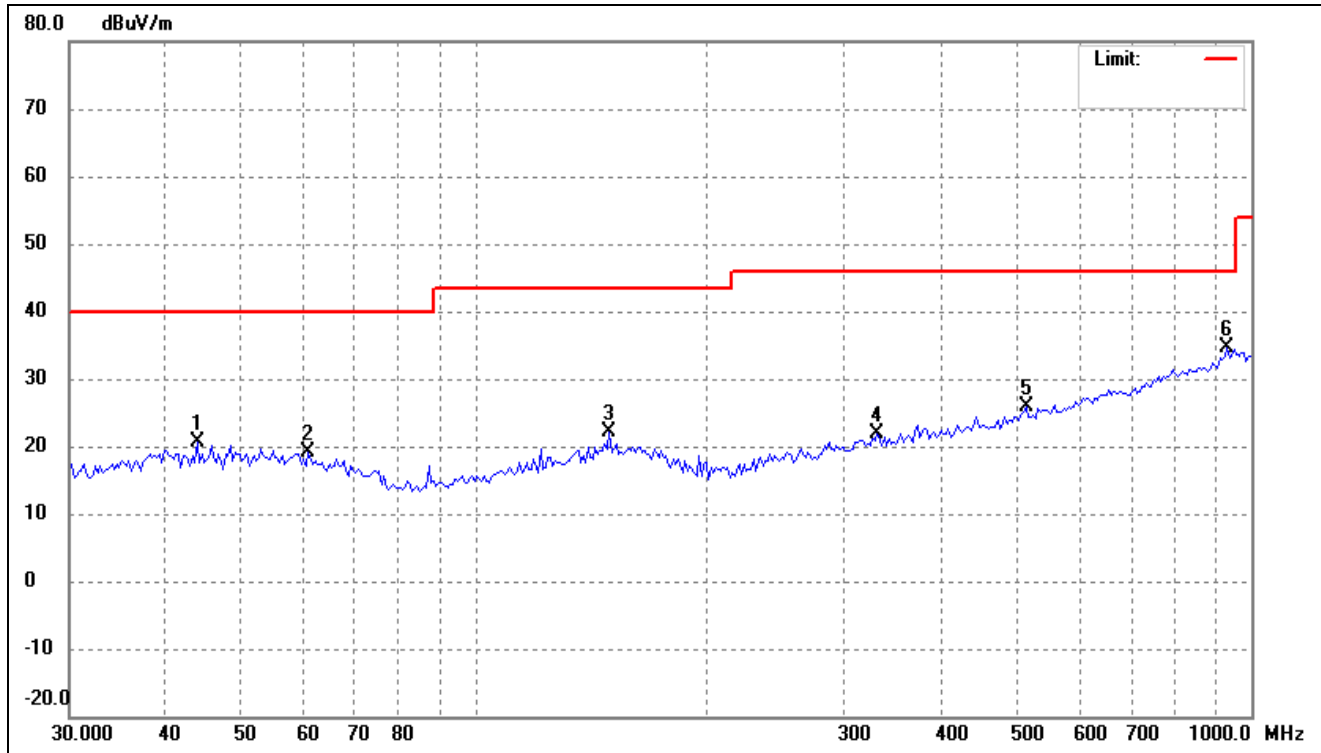
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.0965	27.36	-8.36	19.00	40.00	-21.00	-	-	peak
2	56.8644	26.25	-8.24	18.01	40.00	-21.99	-	-	peak
3	148.9175	28.61	-8.14	20.47	43.50	-23.03	-	-	peak
4	255.8226	27.64	-9.47	18.17	46.00	-27.83	-	-	peak
5	409.6506	28.96	-6.06	22.90	46.00	-23.10	-	-	peak
6	887.3978	29.92	1.95	31.87	46.00	-14.13	-	-	peak

802.11n-HT20			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



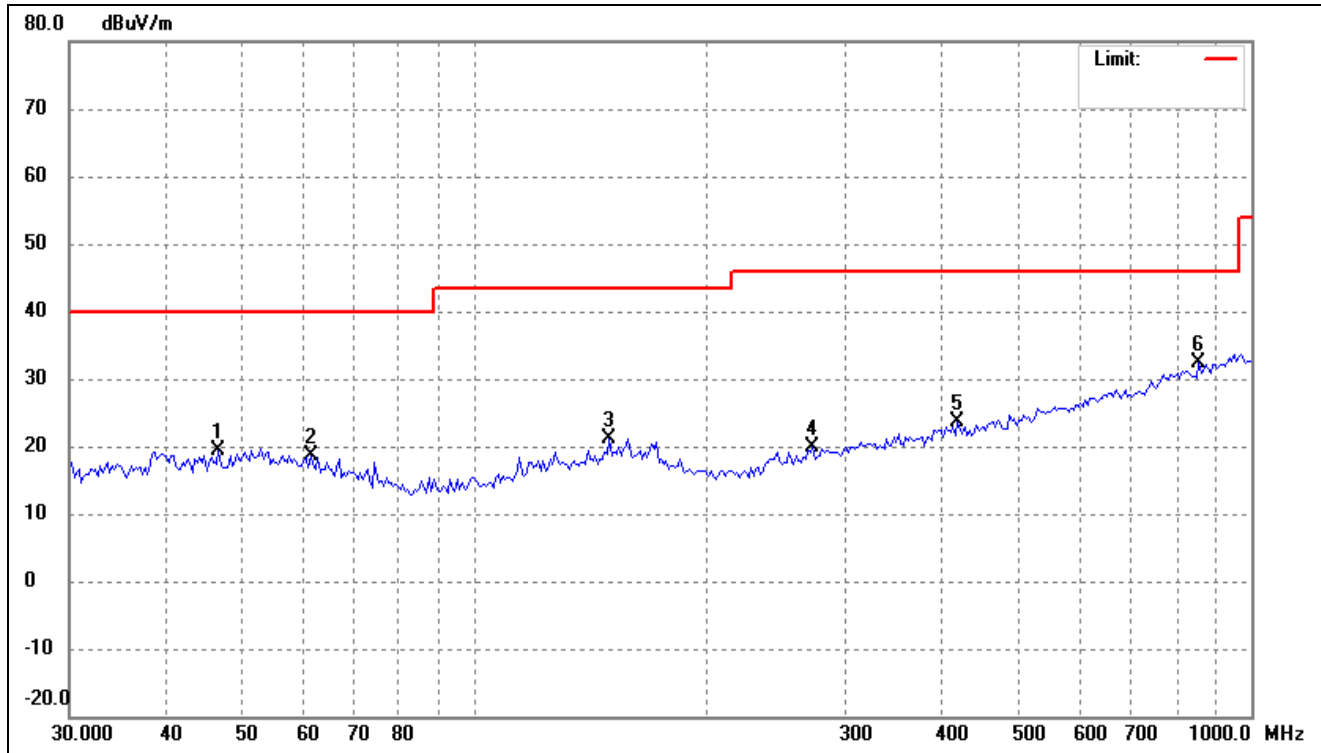
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.3651	27.76	-8.30	19.46	40.00	-20.54	-	-	peak
2	62.7432	26.85	-8.93	17.92	40.00	-22.08	-	-	peak
3	148.9175	28.74	-8.14	20.60	43.50	-22.90	-	-	peak
4	315.8601	27.76	-7.52	20.24	46.00	-25.76	-	-	peak
5	442.5722	28.85	-5.35	23.50	46.00	-22.50	-	-	peak
6	838.8870	31.36	1.42	32.78	46.00	-13.22	-	-	peak

802.11ac-VHT20			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



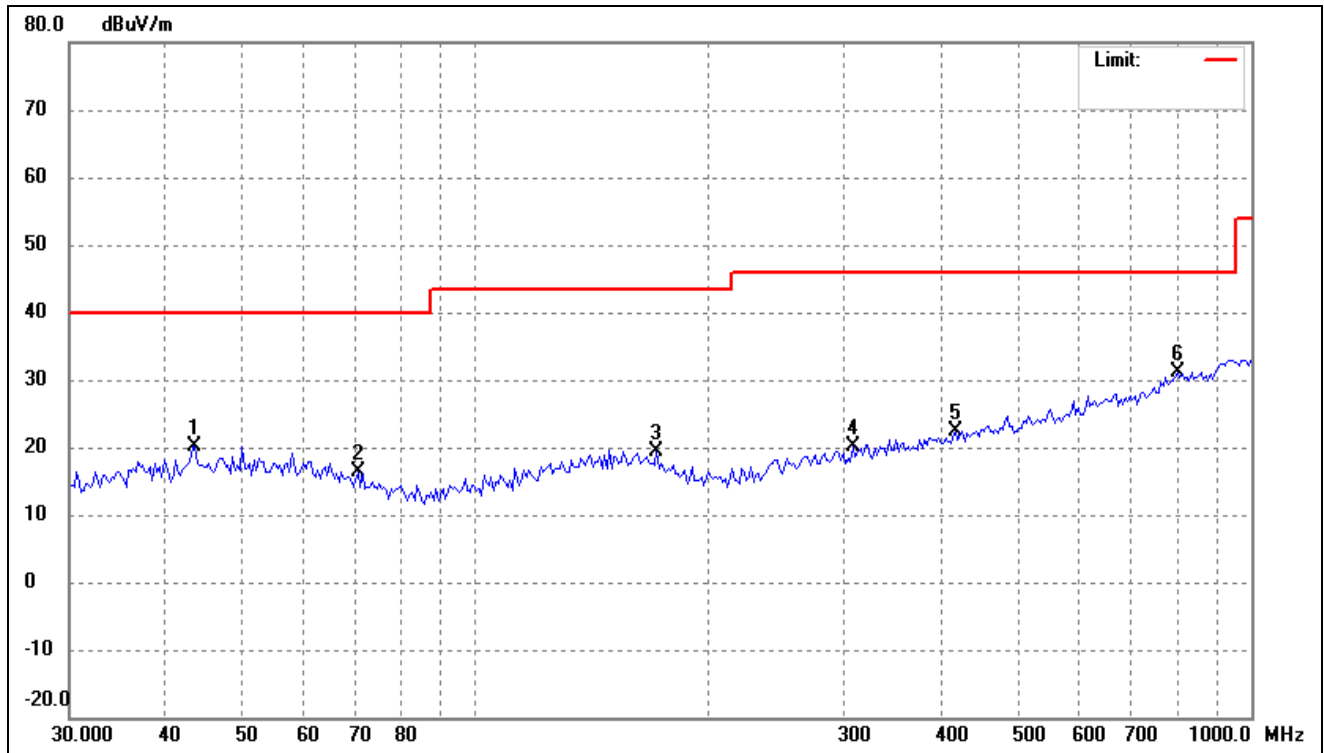
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.8452	28.59	-7.96	20.63	40.00	-19.37	-	-	peak
2	61.0041	27.63	-8.61	19.02	40.00	-20.98	-	-	peak
3	148.9175	30.29	-8.14	22.15	43.50	-21.35	-	-	peak
4	329.4625	29.25	-7.28	21.97	46.00	-24.03	-	-	peak
5	512.9478	30.38	-4.56	25.82	46.00	-20.18	-	-	peak
6	932.1405	31.83	2.87	34.70	46.00	-11.30	-	-	peak

802.11ac-VHT20			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



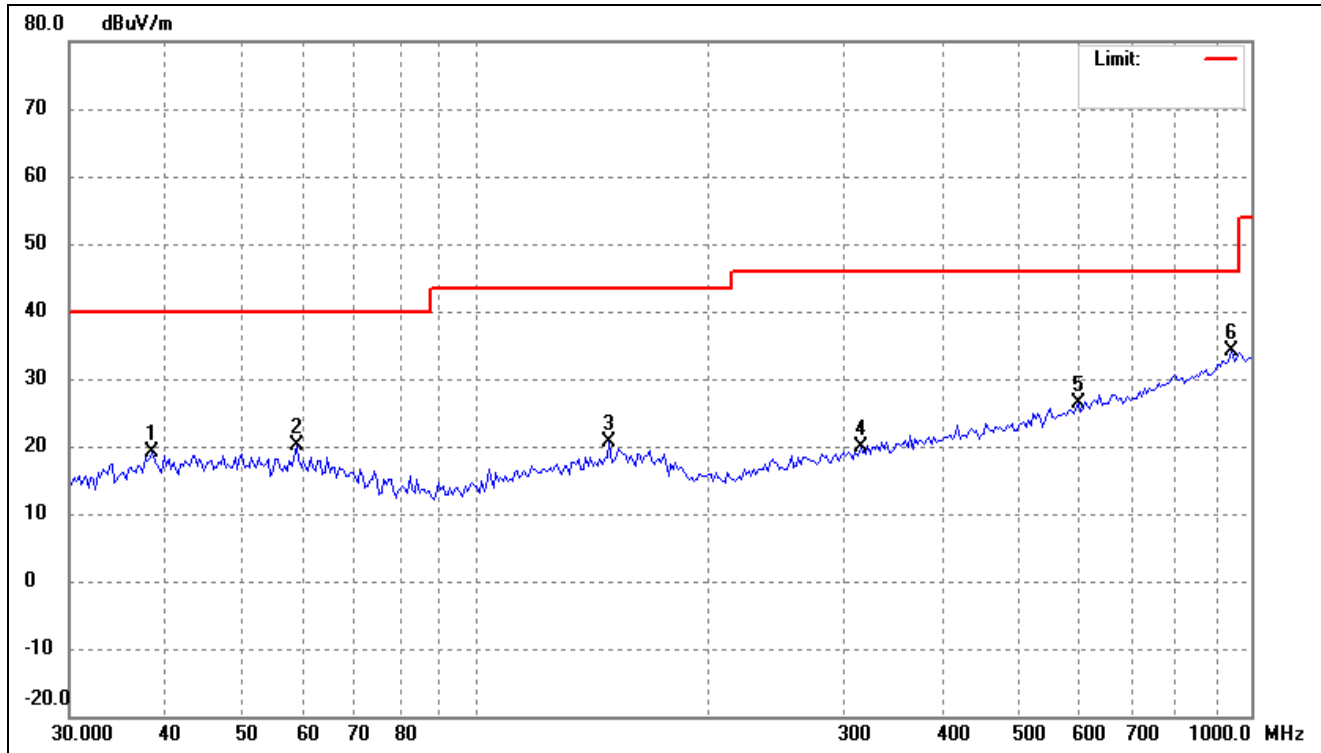
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	46.7077	27.25	-7.83	19.42	40.00	-20.58	-	-	peak
2	61.4343	27.21	-8.69	18.52	40.00	-21.48	-	-	peak
3	148.9175	29.27	-8.14	21.13	43.50	-22.37	-	-	peak
4	272.5246	28.54	-8.76	19.78	46.00	-26.22	-	-	peak
5	418.3784	29.56	-5.88	23.68	46.00	-22.32	-	-	peak
6	856.7597	30.77	1.61	32.38	46.00	-13.62	-	-	peak

802.11n-HT40			
Test Channel	5755MHz(worst case)	Polarity:	Horizontal



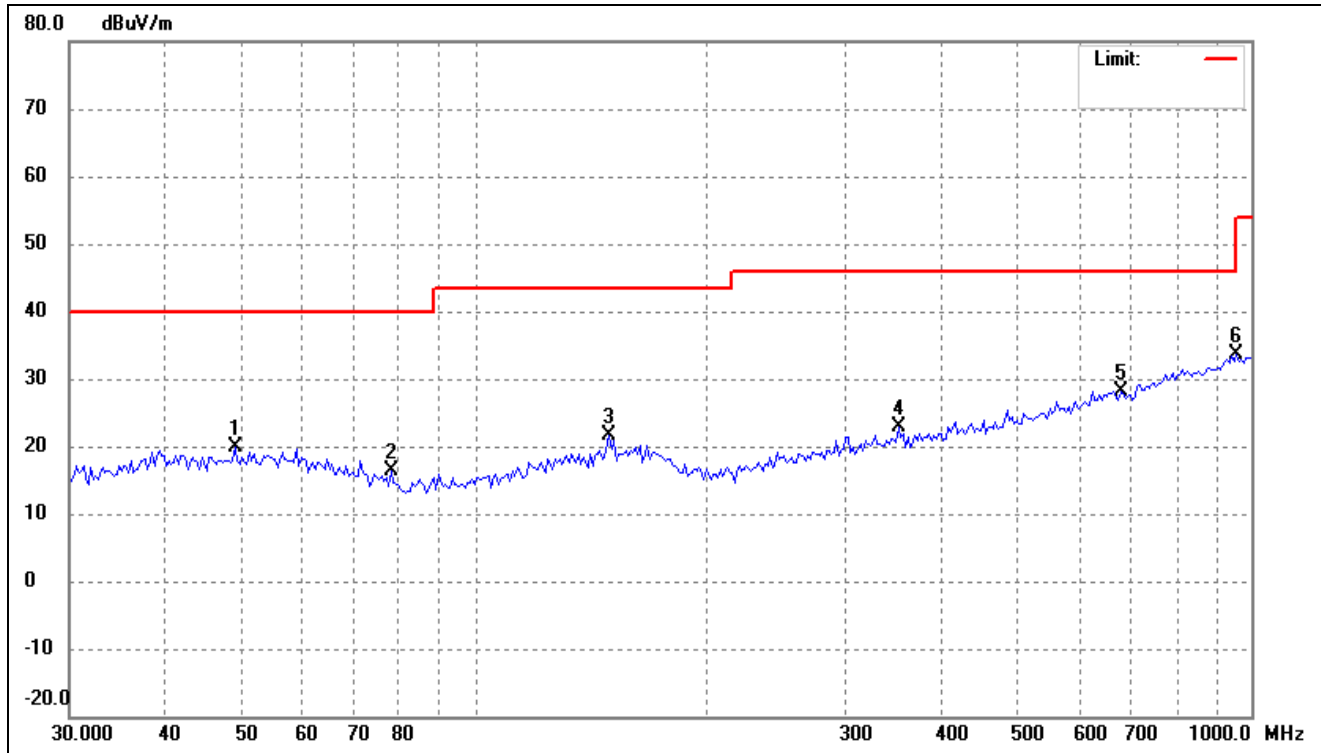
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.2333	28.13	-7.95	20.18	40.00	-19.82	-	-	peak
2	70.7047	26.86	-10.41	16.45	40.00	-23.55	-	-	peak
3	171.3890	27.81	-8.51	19.30	43.50	-24.20	-	-	peak
4	307.1053	27.76	-7.71	20.05	46.00	-25.95	-	-	peak
5	415.4486	28.23	-5.93	22.30	46.00	-23.70	-	-	peak
6	804.2523	30.10	1.05	31.15	46.00	-14.85	-	-	peak

802.11n-HT40			
Test Channel	5755MHz(worst case)	Polarity:	Vertical



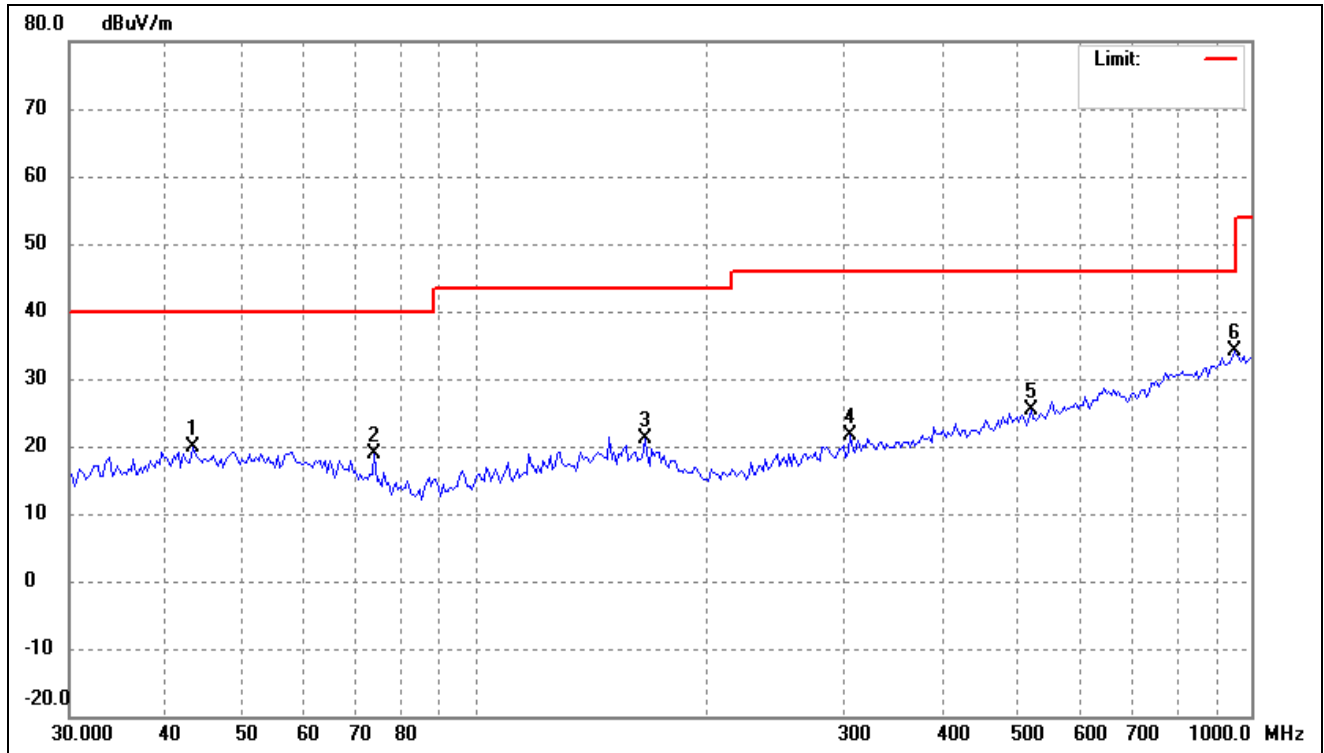
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.3651	27.31	-8.30	19.01	40.00	-20.99	-	-	peak
2	58.8979	28.53	-8.36	20.17	40.00	-19.83	-	-	peak
3	148.9175	28.87	-8.14	20.73	43.50	-22.77	-	-	peak
4	313.6483	27.40	-7.57	19.83	46.00	-26.17	-	-	peak
5	598.7067	28.67	-2.28	26.39	46.00	-19.61	-	-	peak
6	945.3336	31.04	3.19	34.23	46.00	-11.77	-	-	peak

802.11ac-VHT40			
Test Channel	5755MHz(worst case)	Polarity:	Horizontal



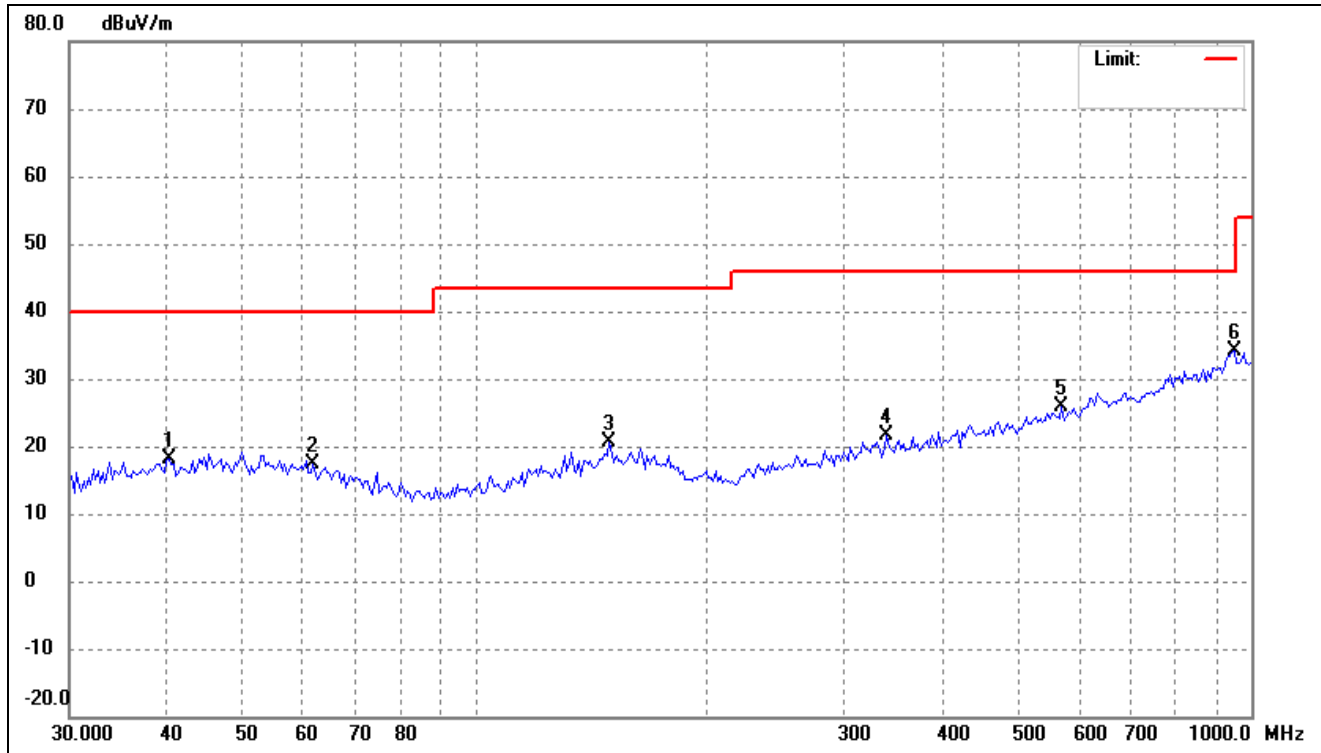
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	49.0627	27.51	-7.65	19.86	40.00	-20.14	-	-	peak
2	78.0143	28.44	-12.01	16.43	40.00	-23.57	-	-	peak
3	148.9175	29.78	-8.14	21.64	43.50	-21.86	-	-	peak
4	350.9722	29.99	-7.05	22.94	46.00	-23.06	-	-	peak
5	679.4346	29.56	-1.33	28.23	46.00	-17.77	-	-	peak
6	958.7135	30.19	3.34	33.53	46.00	-12.47	-	-	peak

802.11ac-VHT40			
Test Channel	5755MHz(worst case)	Polarity:	Vertical



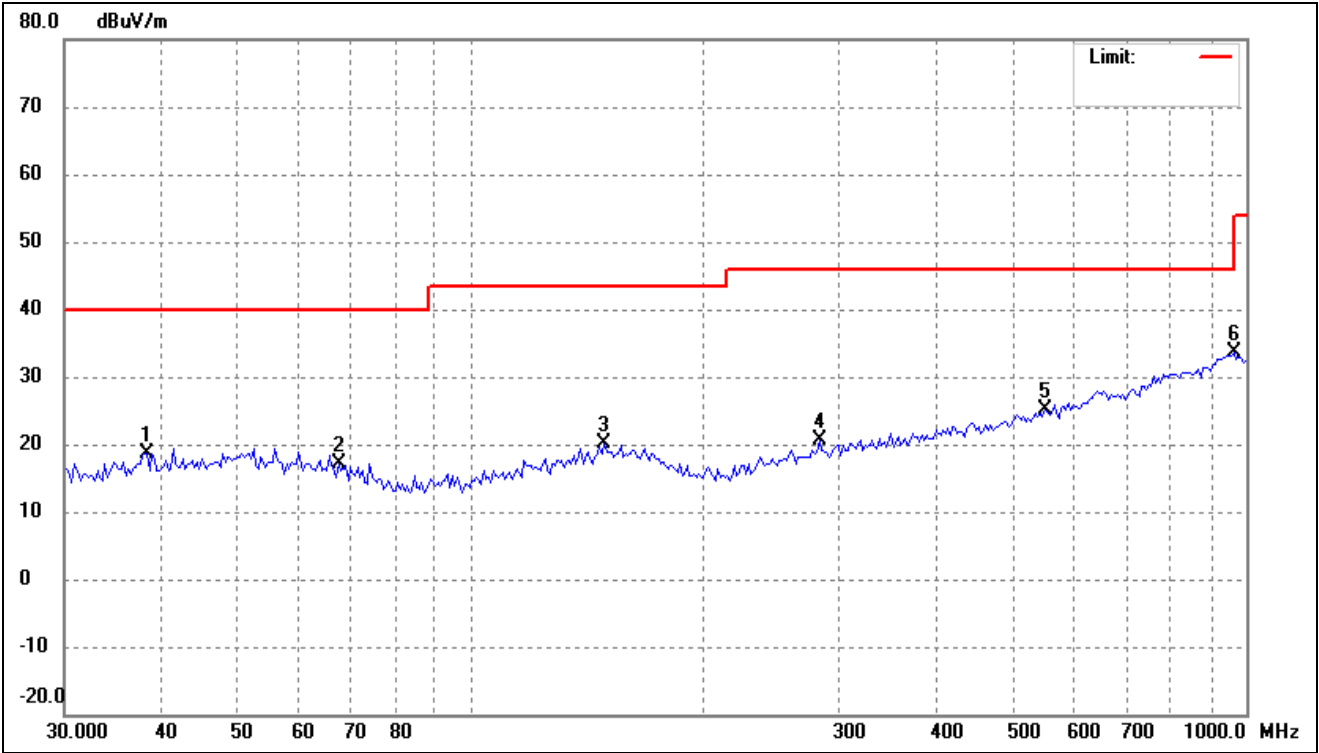
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	43.2333	27.92	-7.95	19.97	40.00	-20.03	-	-	peak
2	74.2696	29.98	-11.18	18.80	40.00	-21.20	-	-	peak
3	165.4716	29.34	-8.19	21.15	43.50	-22.35	-	-	peak
4	304.9548	29.38	-7.76	21.62	46.00	-24.38	-	-	peak
5	520.2079	29.69	-4.41	25.28	46.00	-20.72	-	-	peak
6	952.0001	30.80	3.31	34.11	46.00	-11.89	-	-	peak

802.11ac-VHT80			
Test Channel	5775MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.2995	25.99	-7.96	18.03	40.00	-21.97	-	-	peak
2	61.8676	26.11	-8.77	17.34	40.00	-22.66	-	-	peak
3	148.9175	28.83	-8.14	20.69	43.50	-22.81	-	-	peak
4	338.8546	28.93	-7.18	21.75	46.00	-24.25	-	-	peak
5	569.9688	28.74	-2.98	25.76	46.00	-20.24	-	-	peak
6	952.0001	30.74	3.31	34.05	46.00	-11.95	-	-	peak

802.11ac-VHT80			
Test Channel	5775MHz(worst case)	Polarity:	Vertical

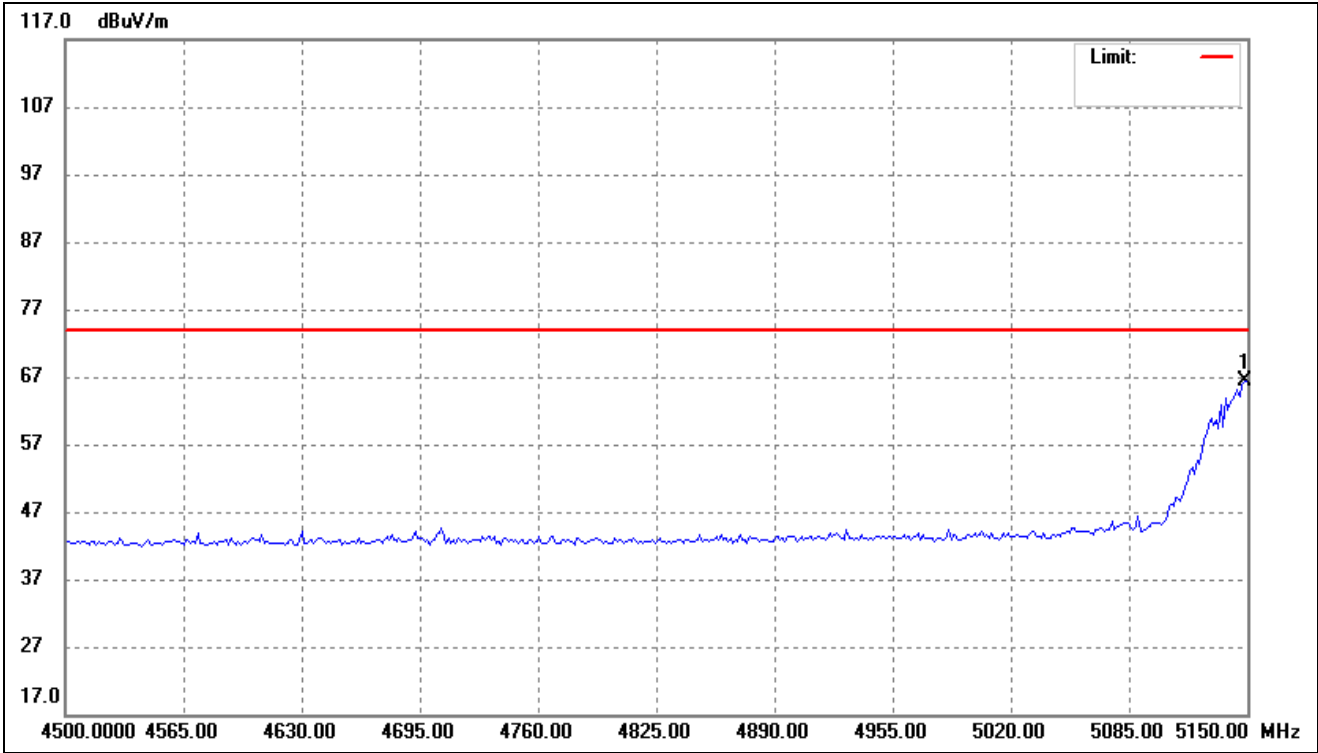


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	38.3651	27.05	-8.30	18.75	40.00	-21.25	-	-	peak
2	67.7856	26.99	-9.85	17.14	40.00	-22.86	-	-	peak
3	148.9175	28.21	-8.14	20.07	43.50	-23.43	-	-	peak
4	282.2702	29.01	-8.43	20.58	46.00	-25.42	-	-	peak
5	550.2902	28.59	-3.54	25.05	46.00	-20.95	-	-	peak
6	965.4742	30.19	3.37	33.56	54.00	-20.44	-	-	peak

Remark: ‘-’Means’ the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

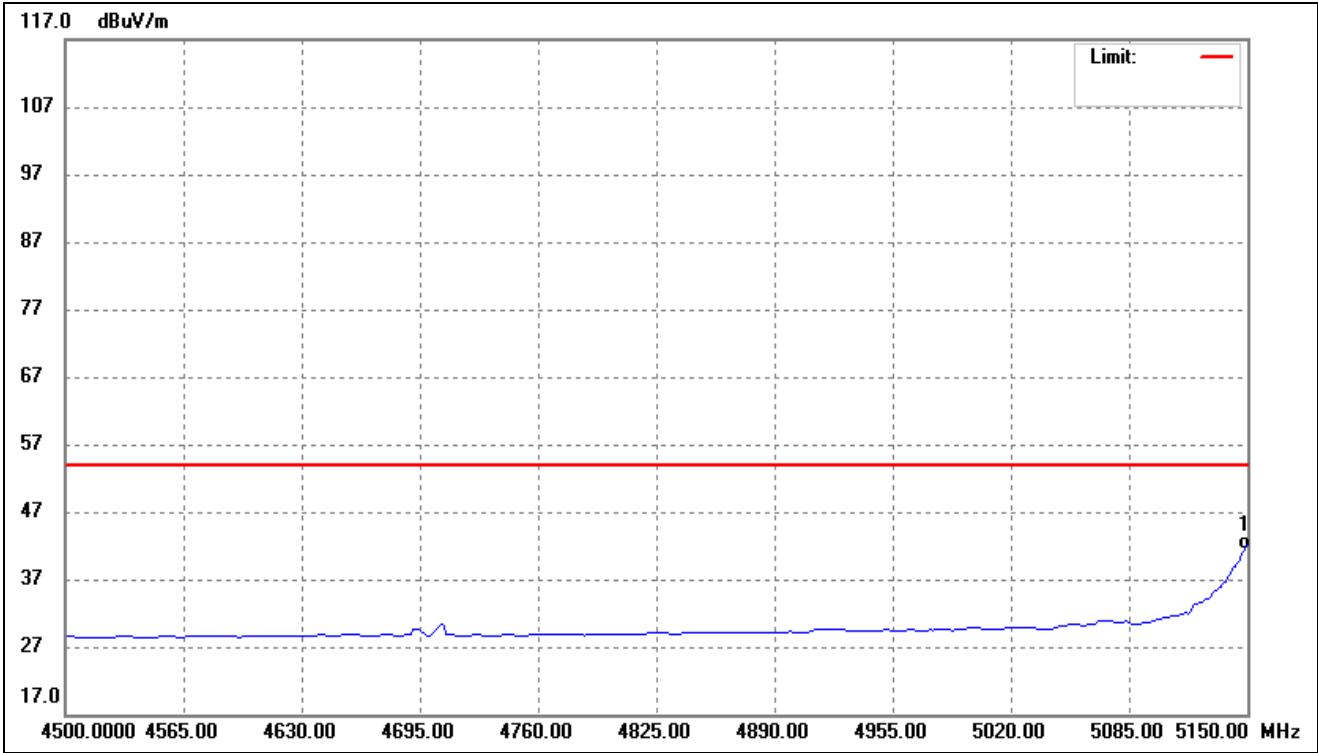
➤ Spurious Emission above 1GHz

802.11a- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



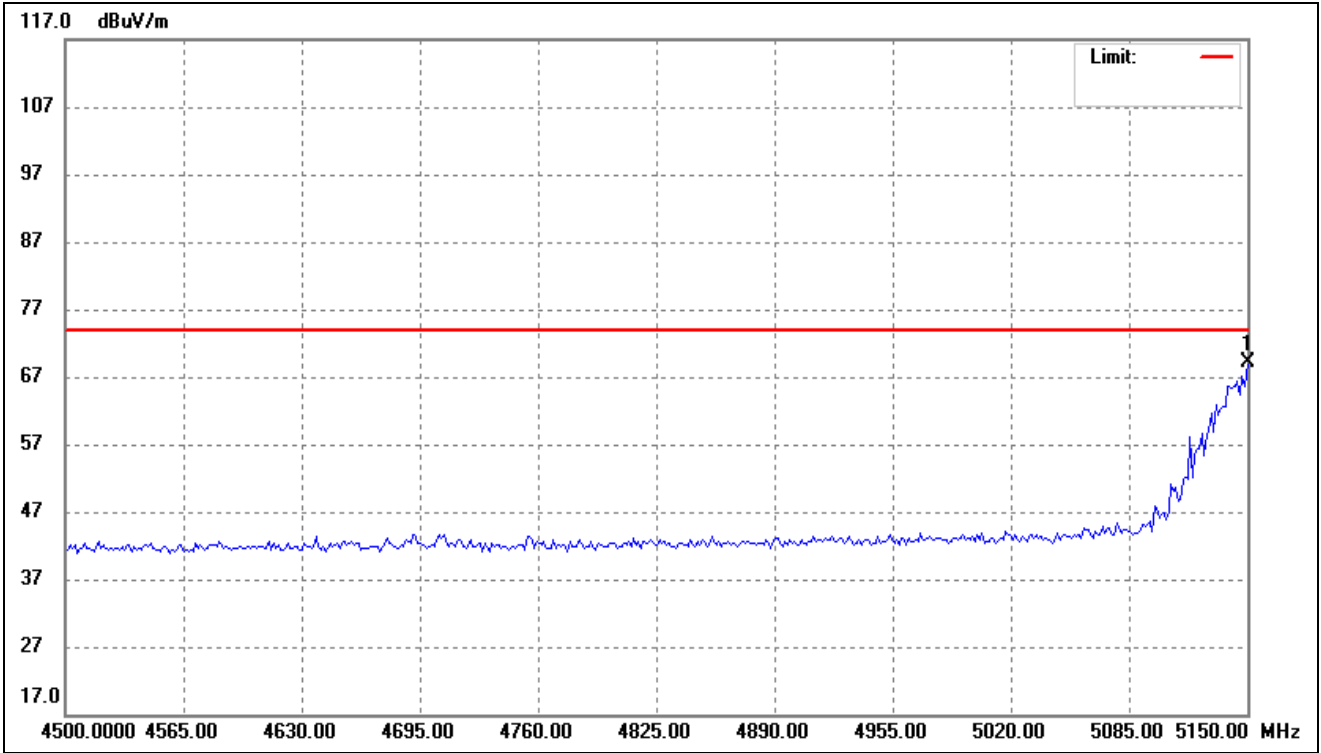
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5148.697	79.03	-12.53	66.50	74.00	-7.50	-	-	peak

802.11a- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



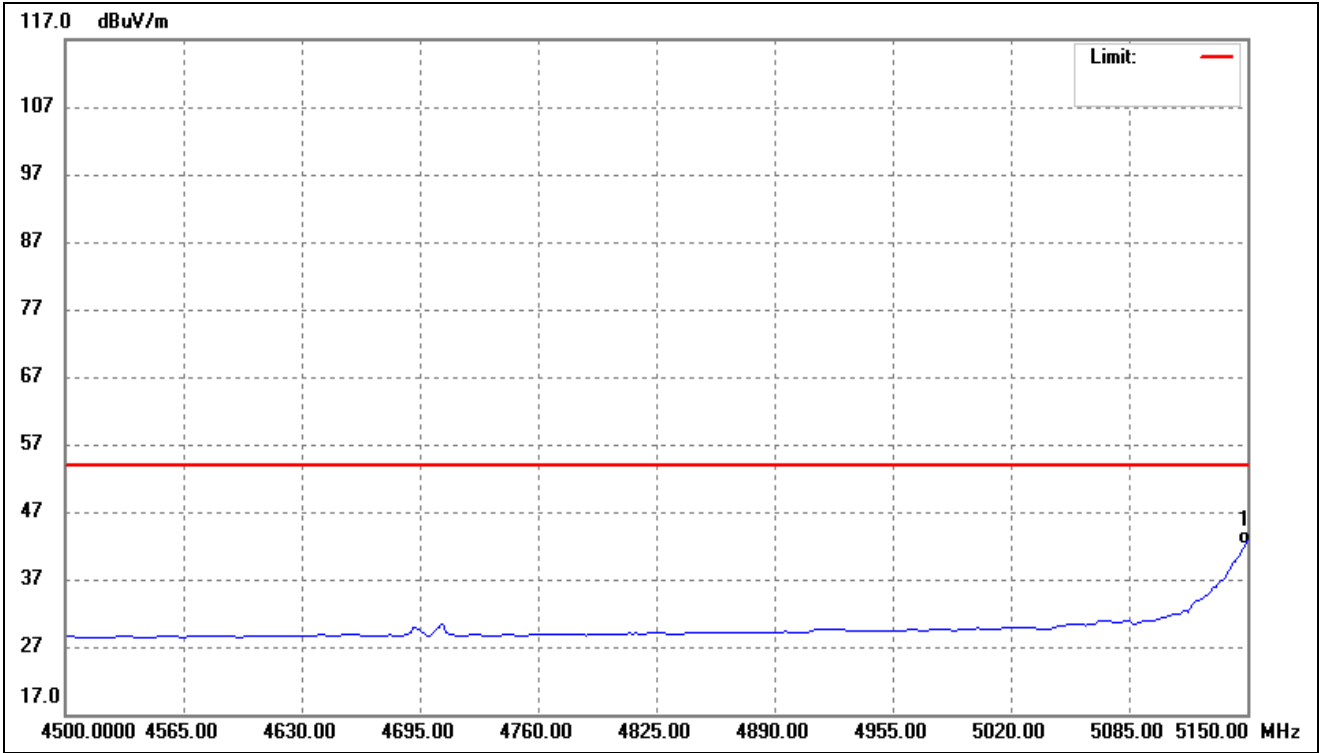
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	54.99	-12.53	42.46	54.00	-11.54	-	-	AVG

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



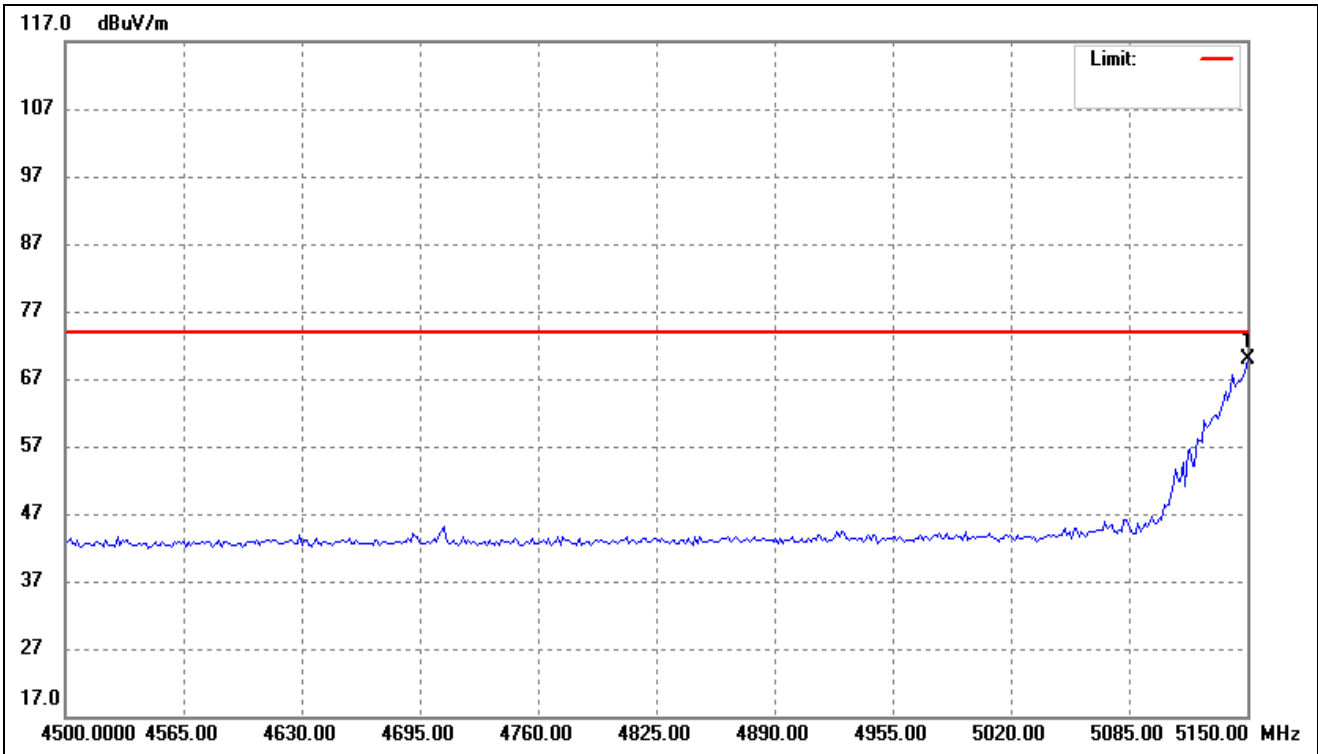
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	81.61	-12.53	69.08	74.00	-4.92	-	-	peak

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



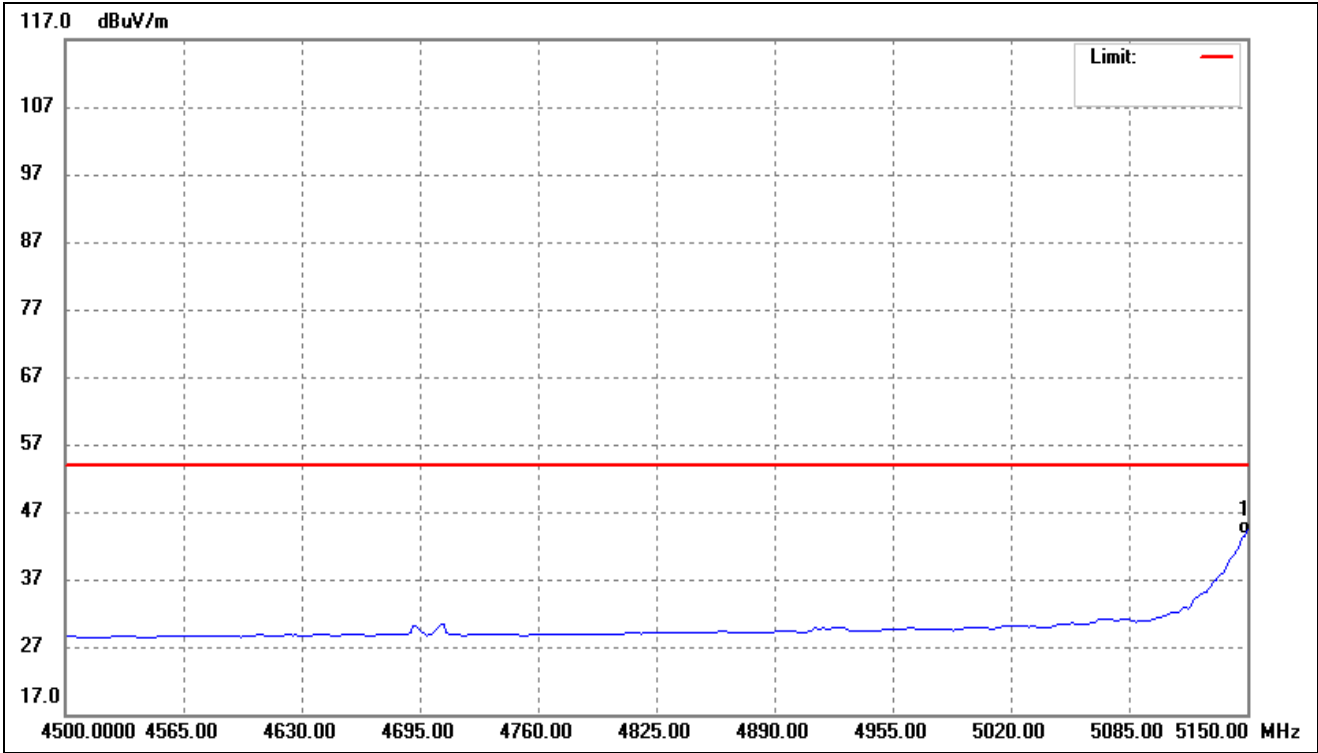
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	55.67	-12.53	43.14	54.00	-10.86	-	-	AVG

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



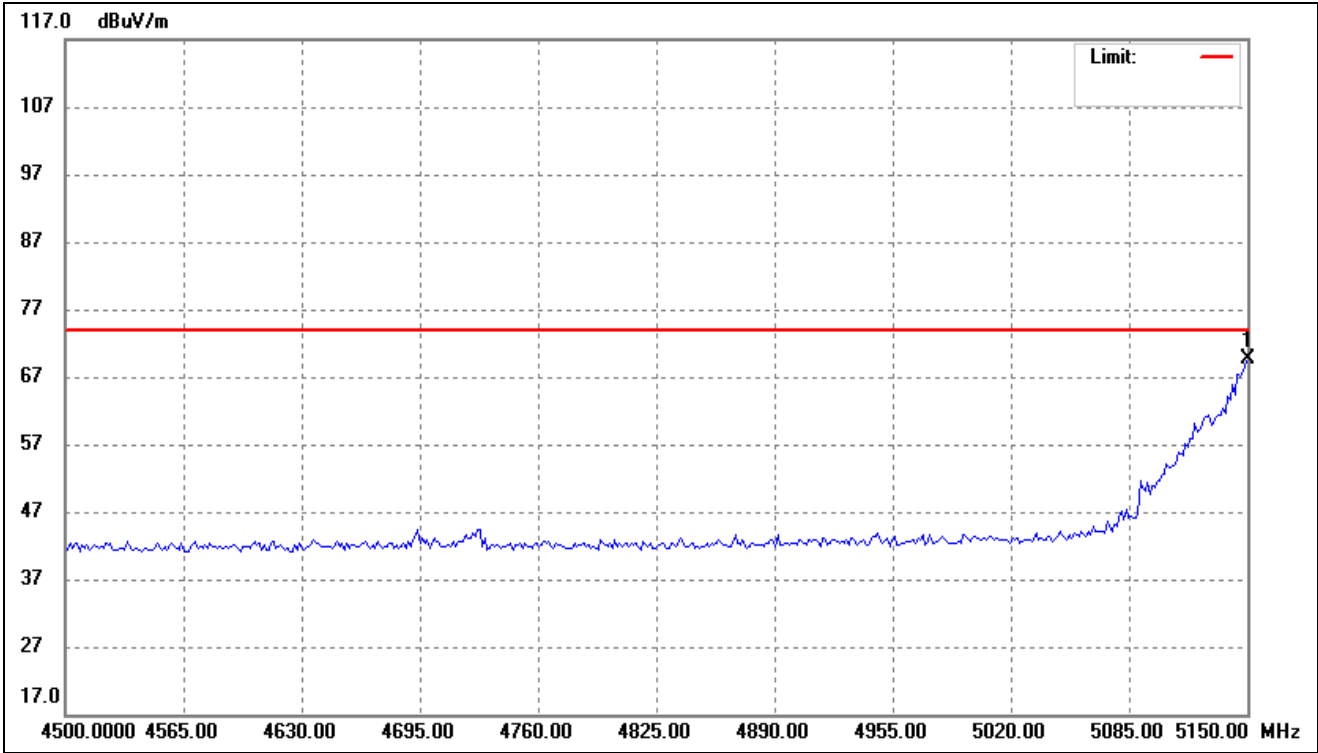
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	5150.000	82.44	-12.53	69.91	74.00	-4.09	-	-	peak

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



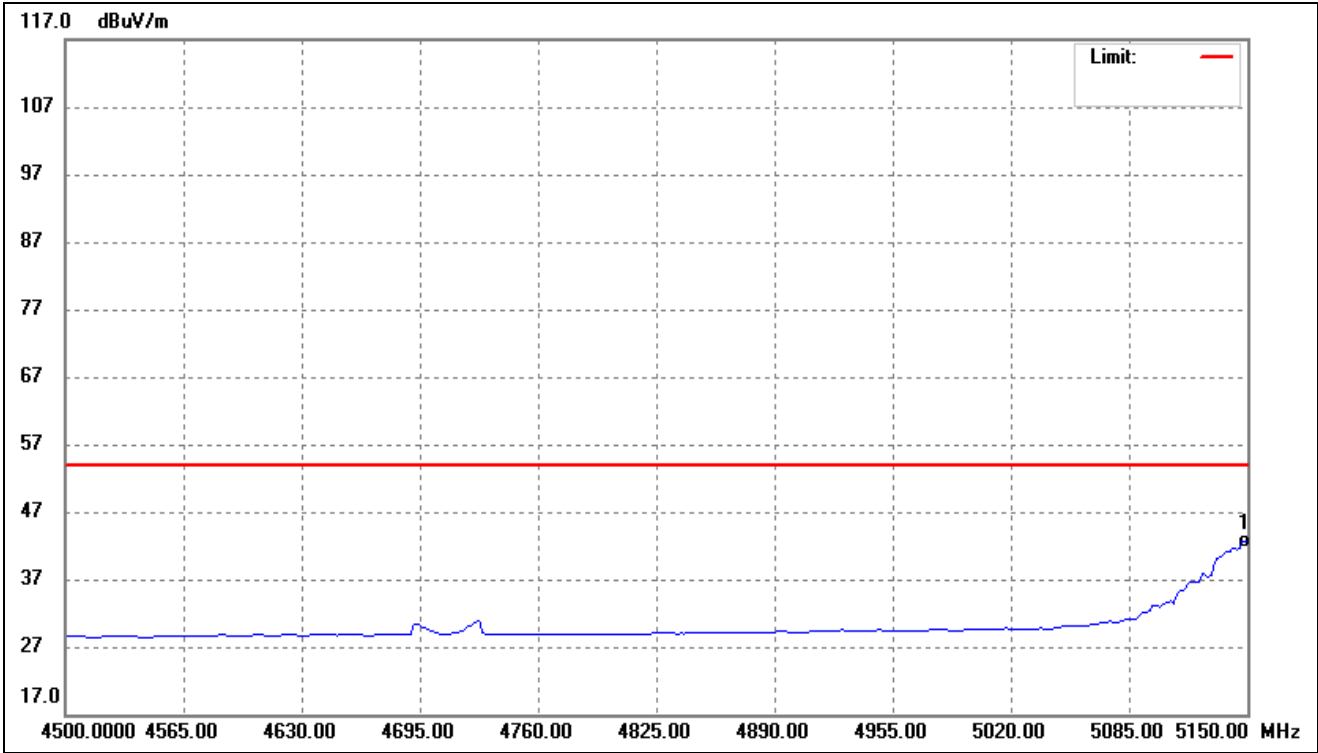
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	57.16	-12.53	44.63	54.00	-9.37	-	-	AVG

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



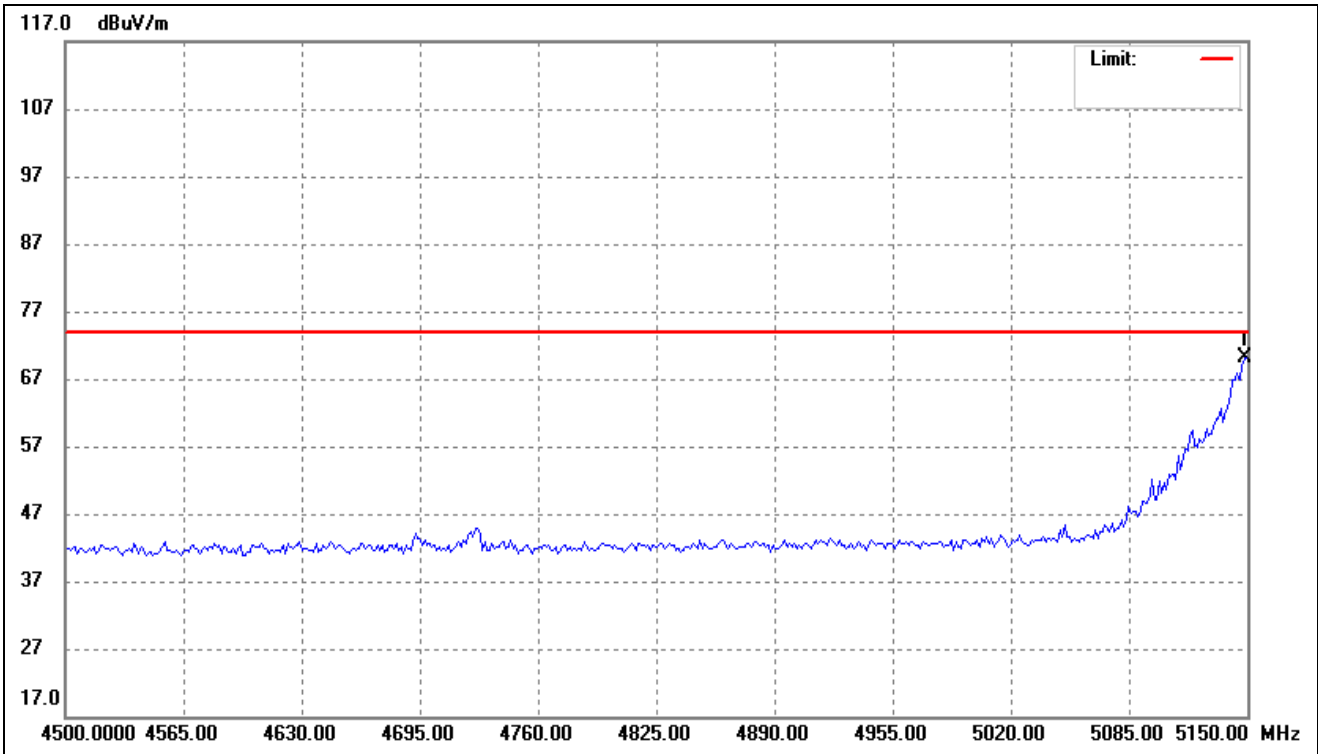
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	82.28	-12.53	69.75	74.00	-4.25	-	-	peak

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



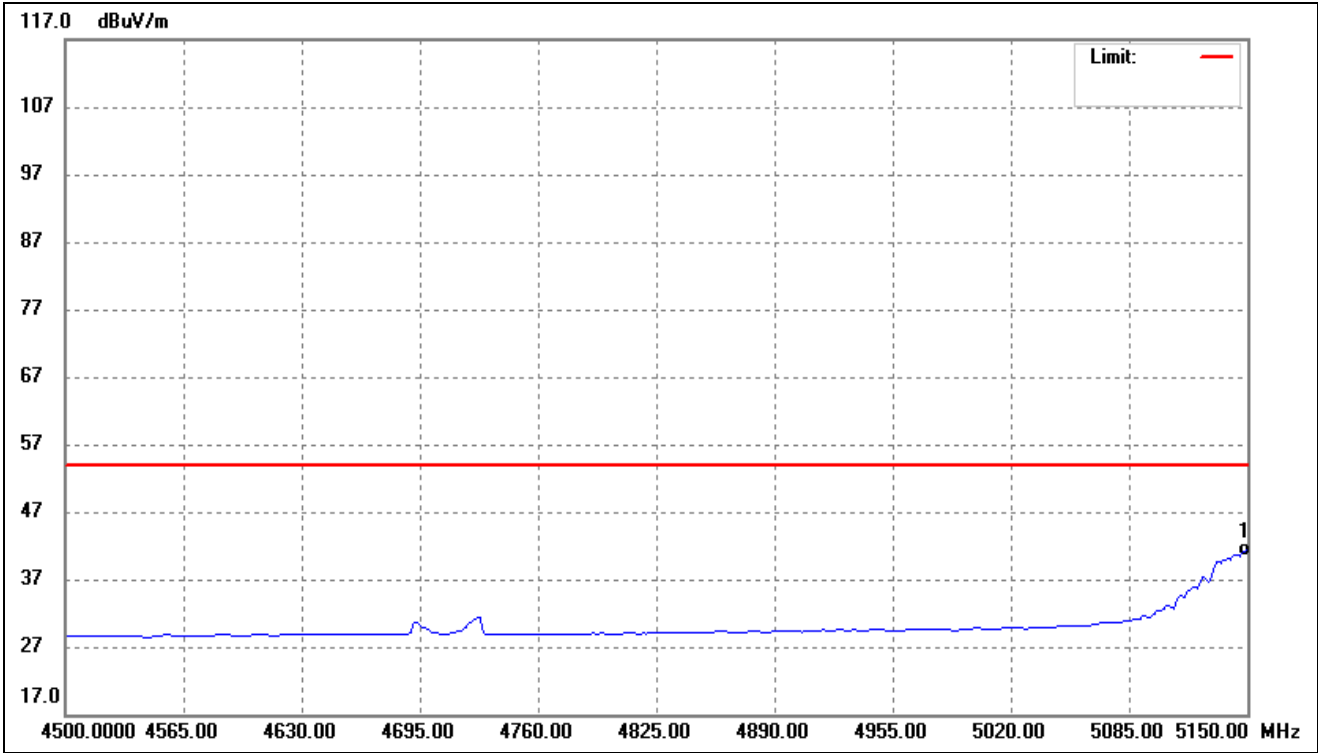
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5148.697	55.15	-12.53	42.62	54.00	-11.38	-	-	AVG

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



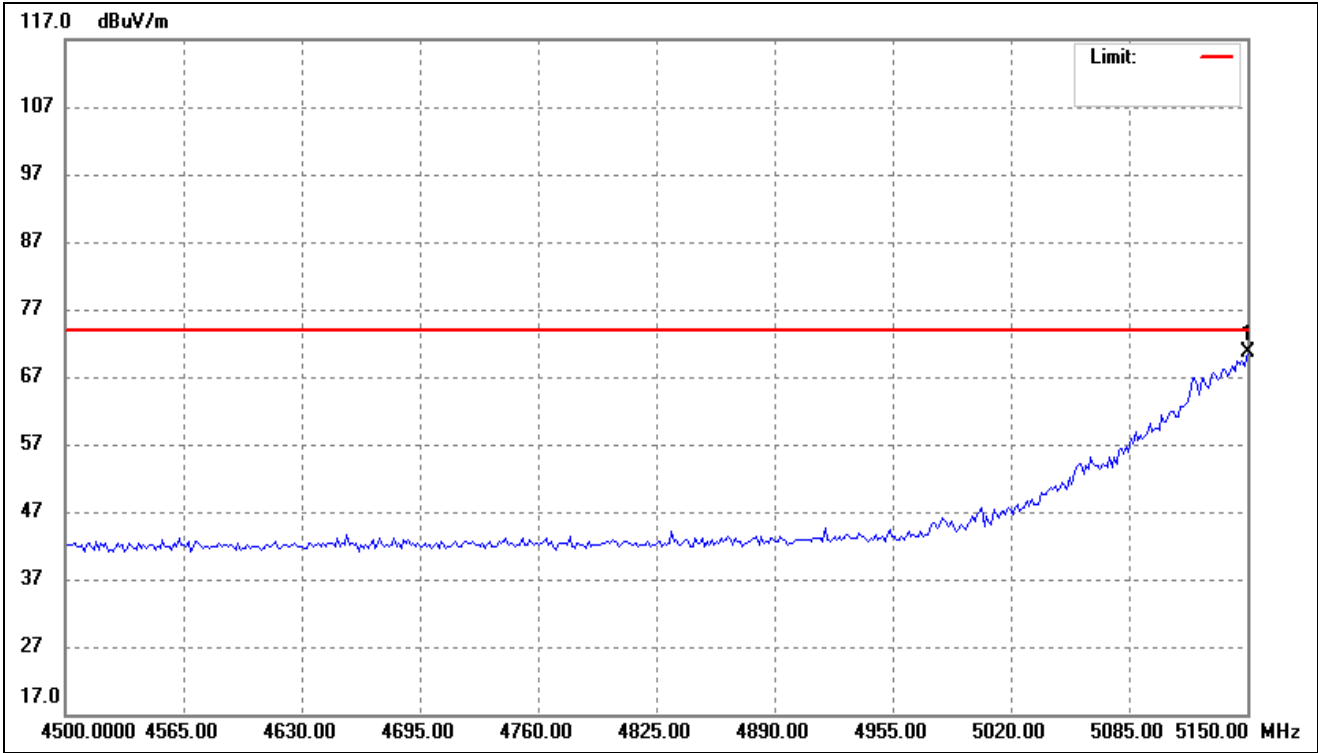
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	5148.697	82.65	-12.53	70.12	74.00	-3.88	-	-	peak

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



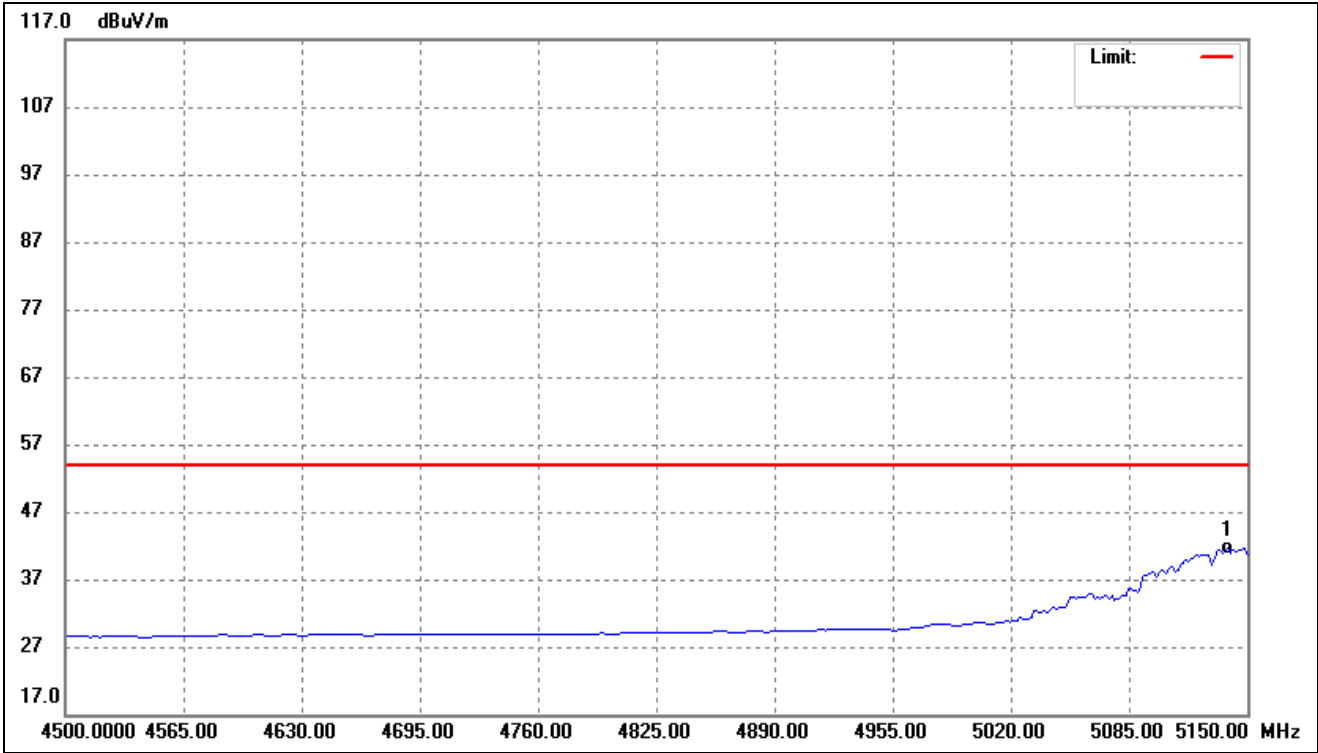
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	53.94	-12.53	41.41	54.00	-12.59	-	-	AVG

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



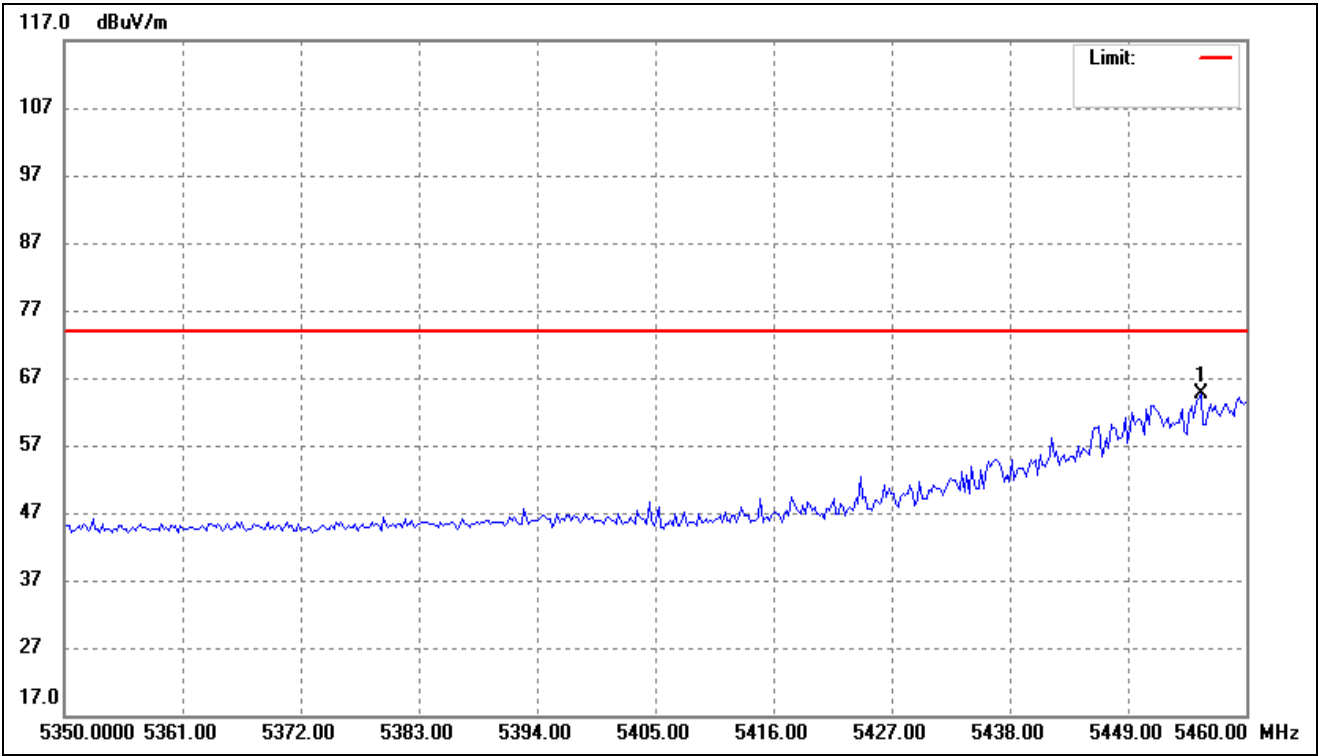
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	83.20	-12.53	70.67	74.00	-3.33	-	-	peak

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



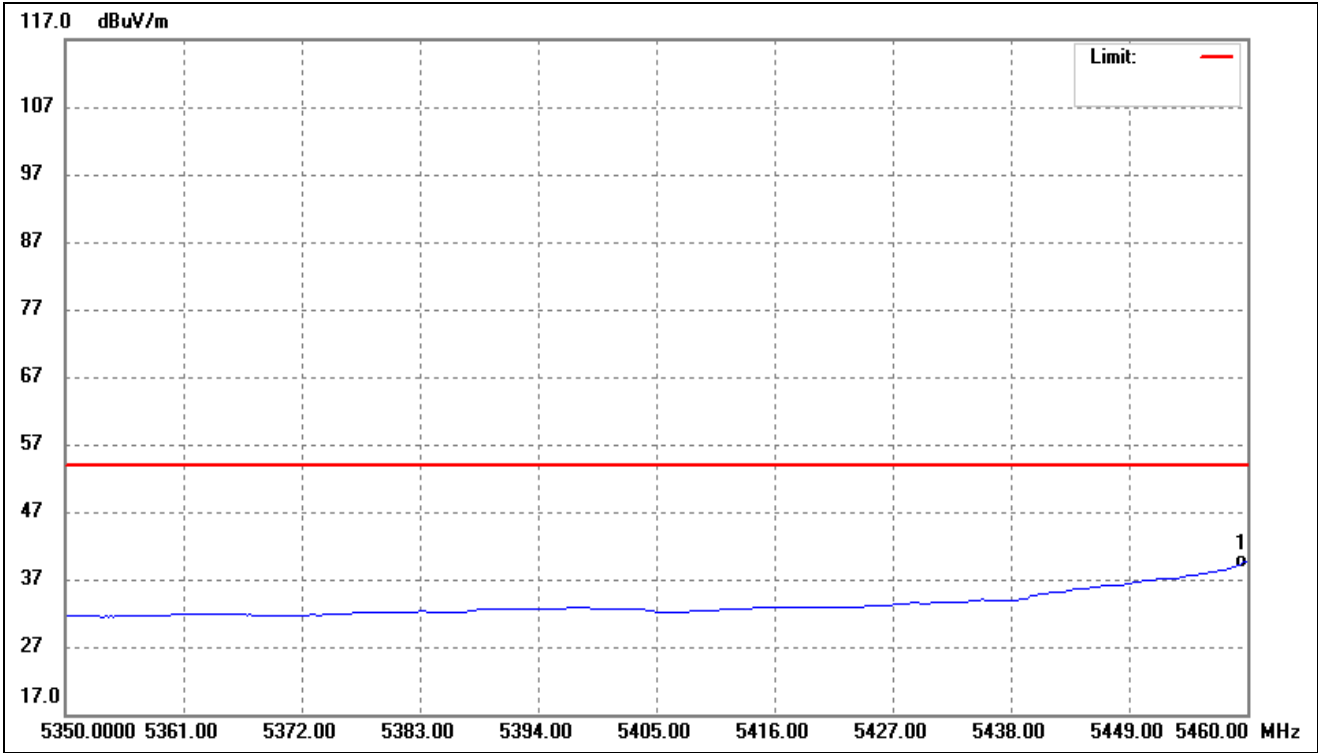
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5139.579	54.20	-12.58	41.62	54.00	-12.38	-	-	AVG

802.11a- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



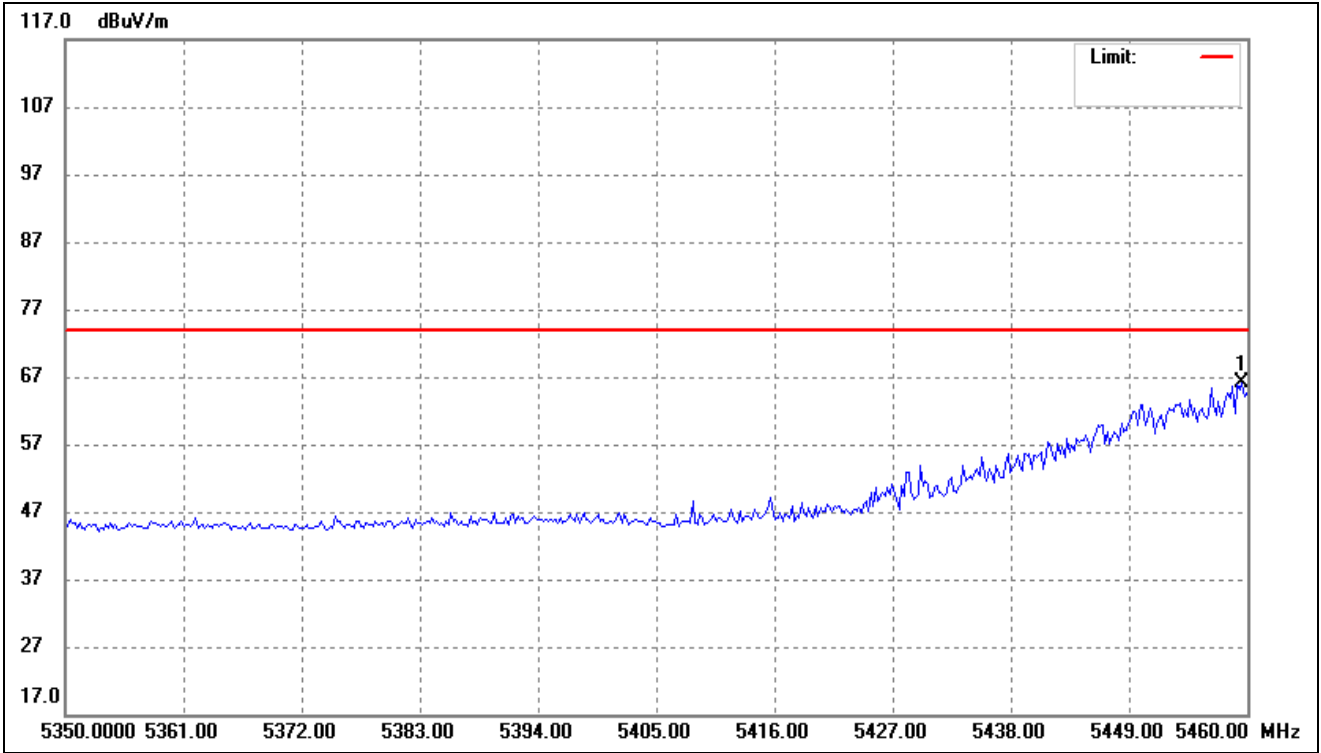
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5455.812	75.60	-11.00	64.60	74.00	-9.40	-	-	peak

802.11a- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



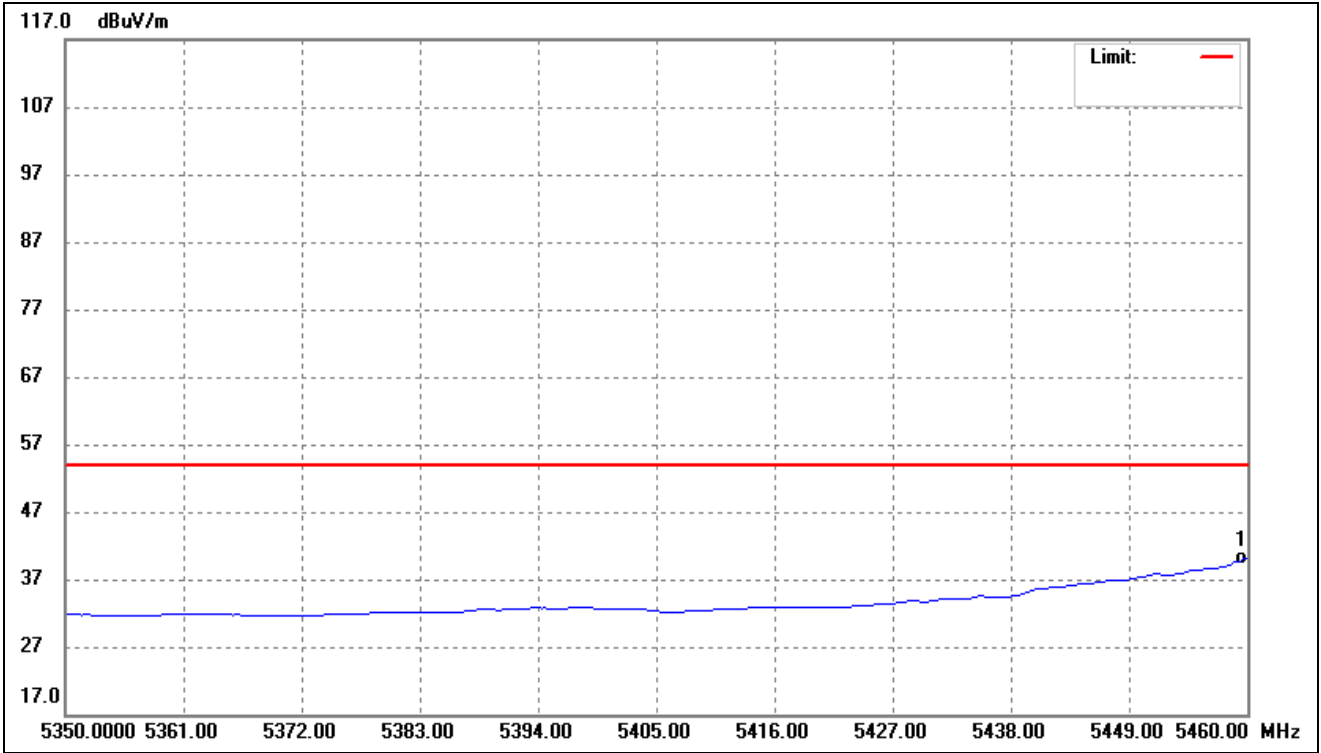
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	50.62	-10.99	39.63	54.00	-14.37	-	-	AVG

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



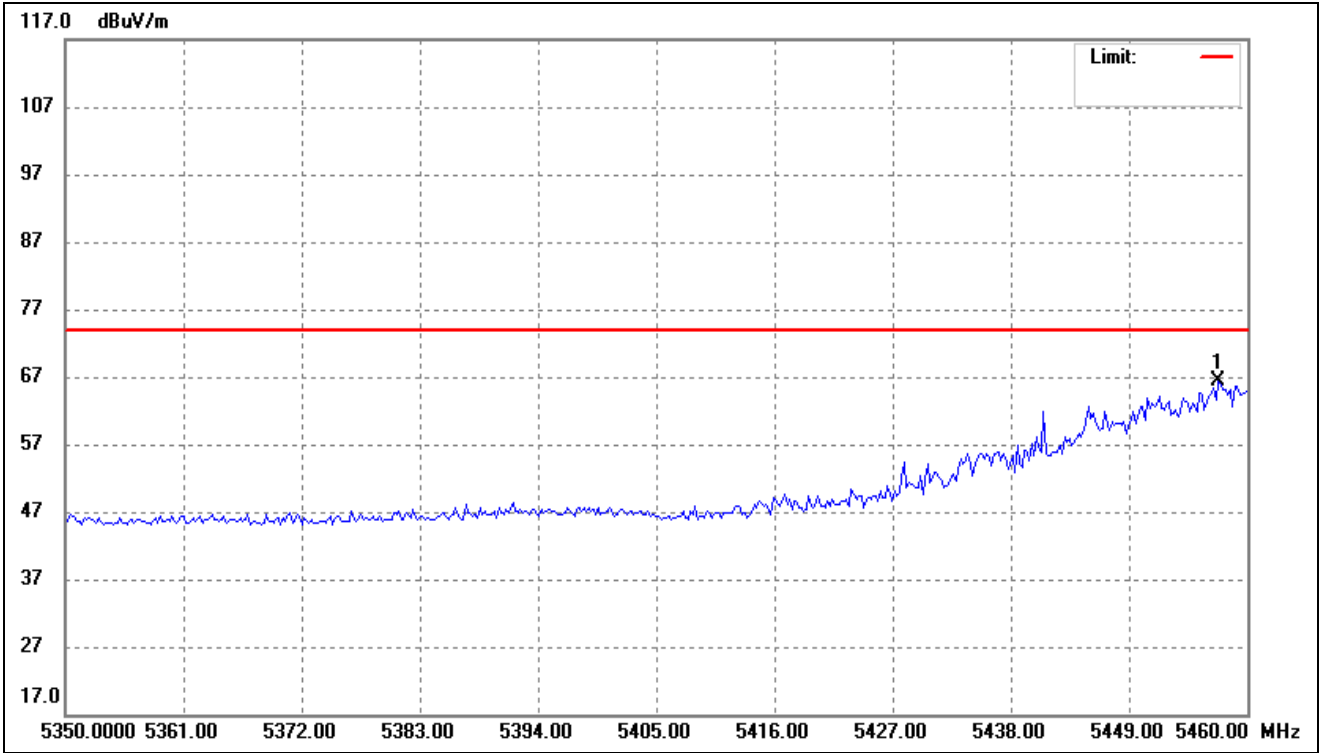
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5459.559	77.01	-10.99	66.02	74.00	-7.98	-	-	peak

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



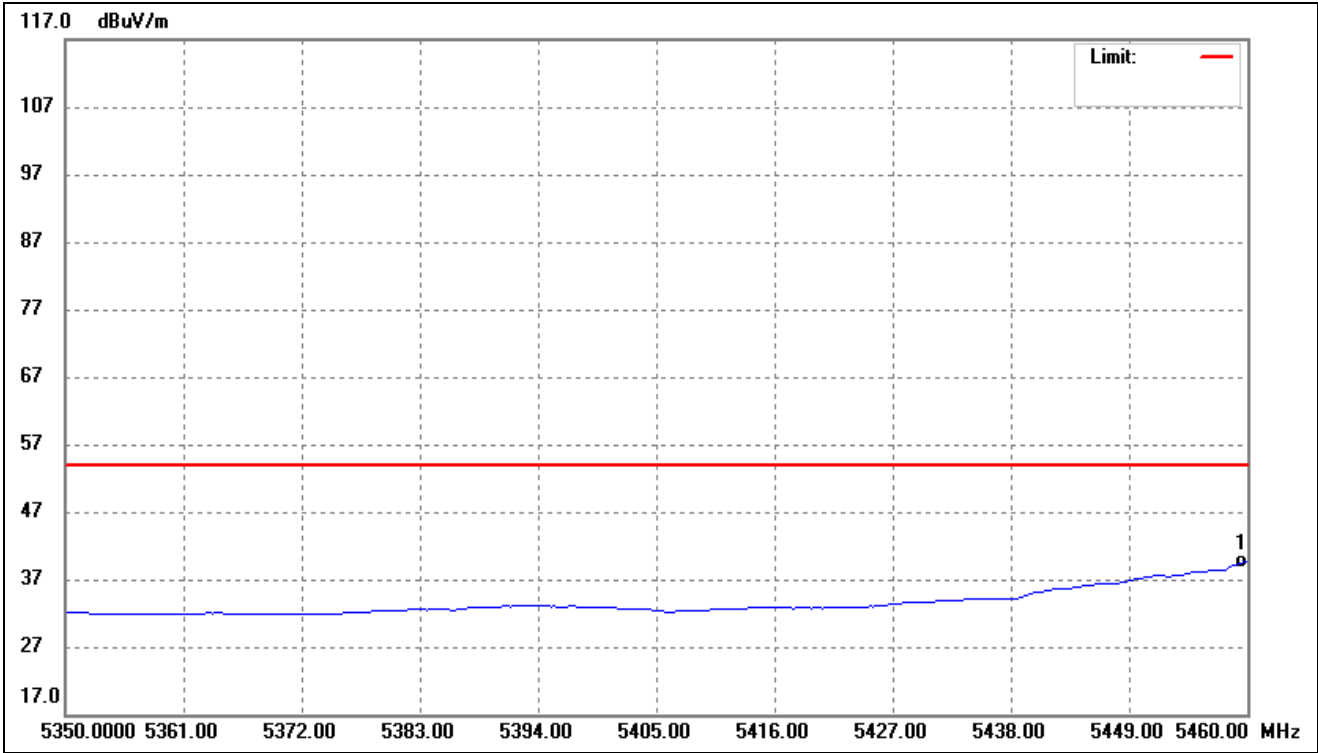
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	51.12	-10.99	40.13	54.00	-13.87	-	-	AVG

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



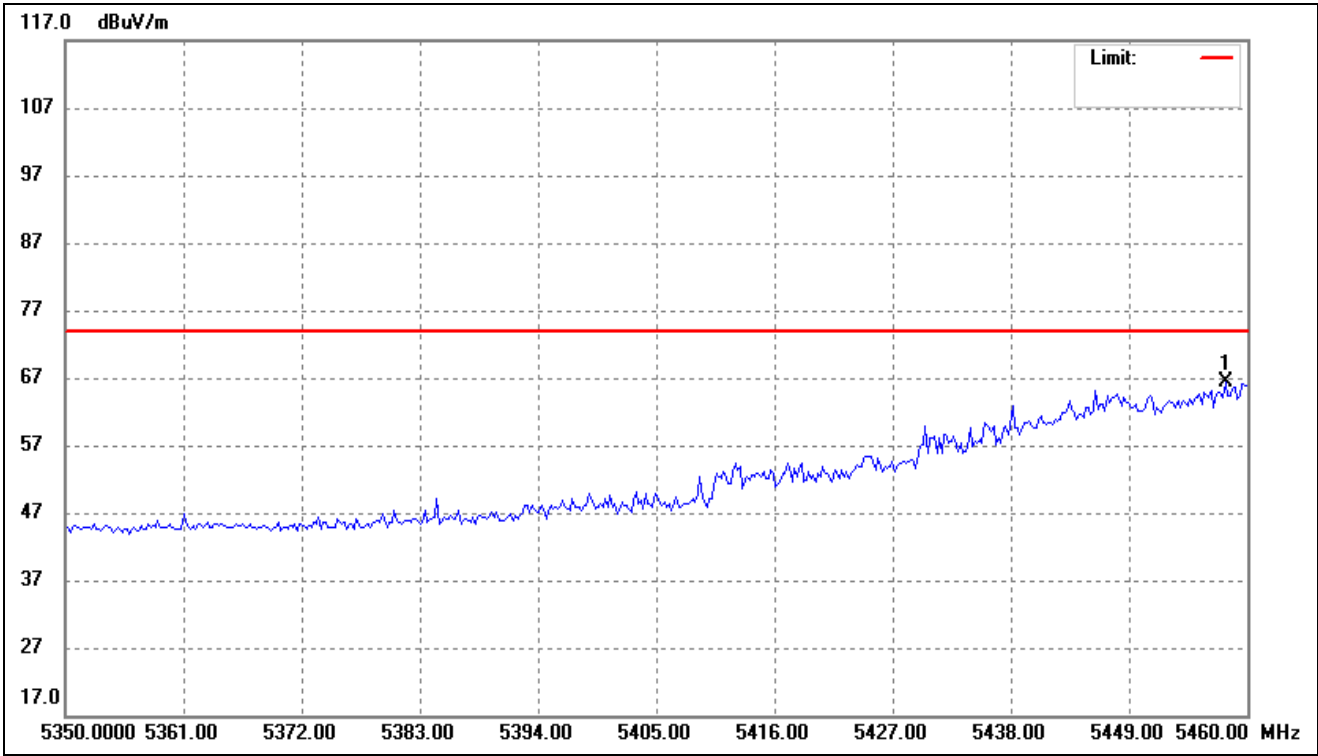
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5457.355	77.42	-11.00	66.42	74.00	-7.58	-	-	peak

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



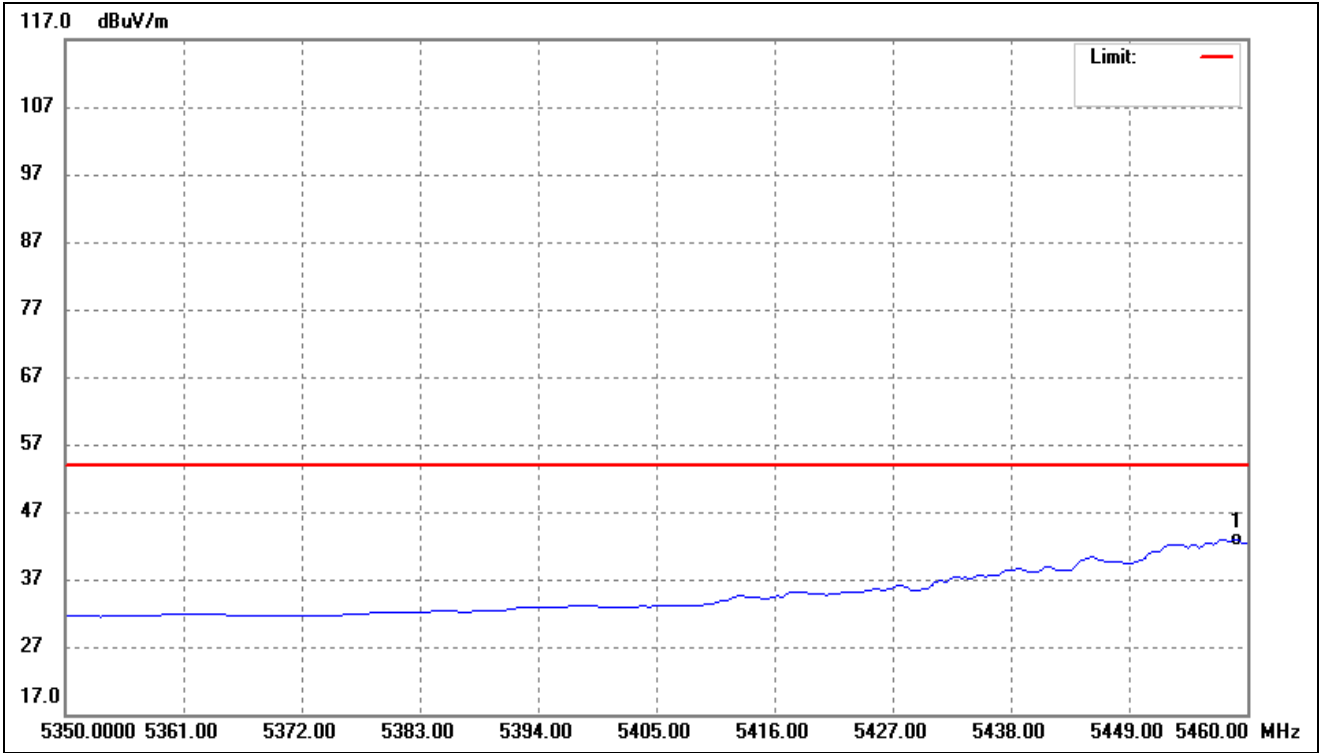
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	50.72	-10.99	39.73	54.00	-14.27	-	-	AVG

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



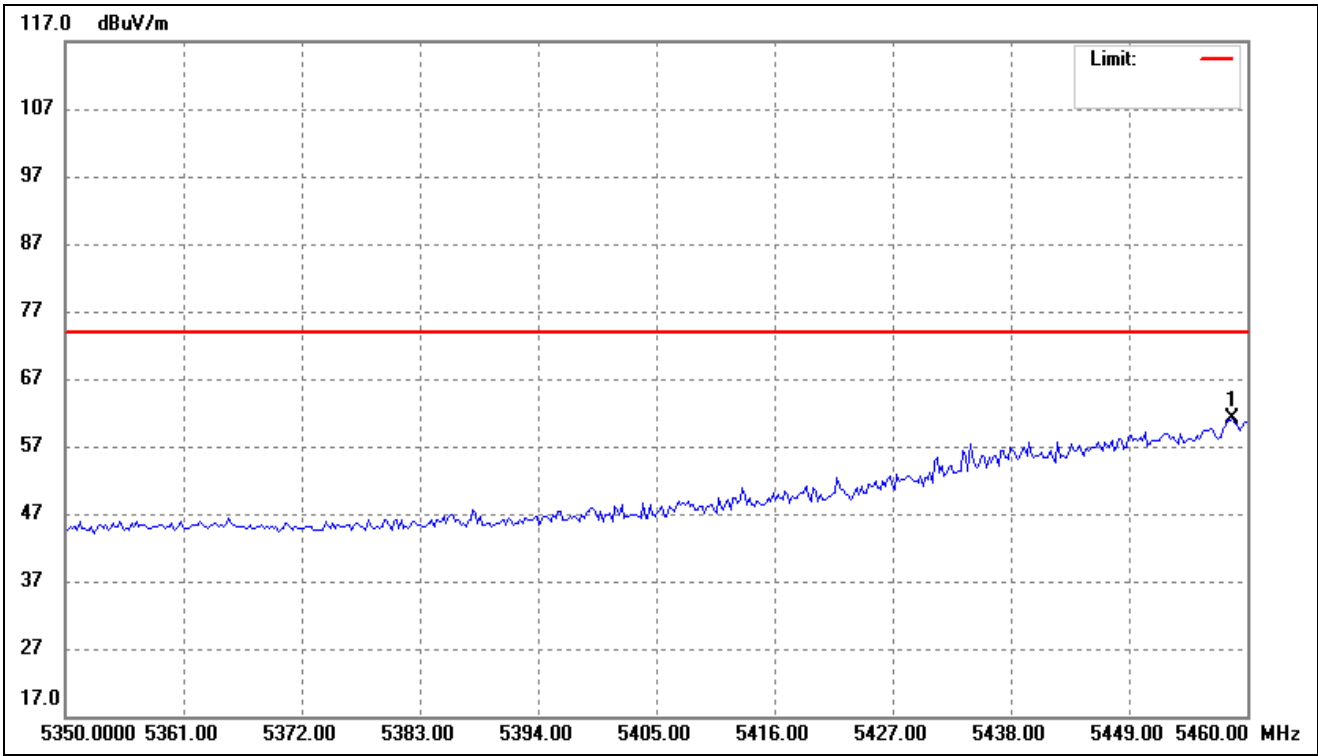
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5458.016	77.41	-11.00	66.41	74.00	-7.59	-	-	peak

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



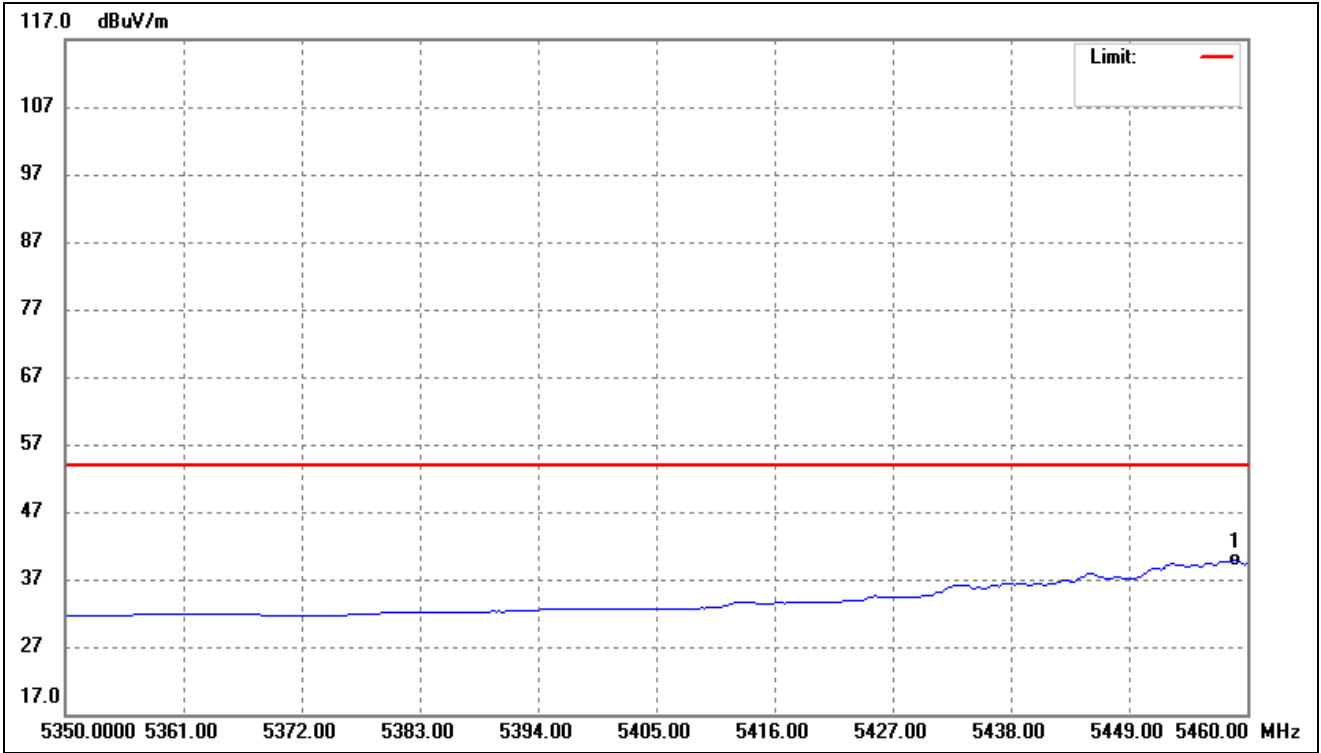
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5459.118	53.97	-10.99	42.98	54.00	-11.02	-	-	AVG

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



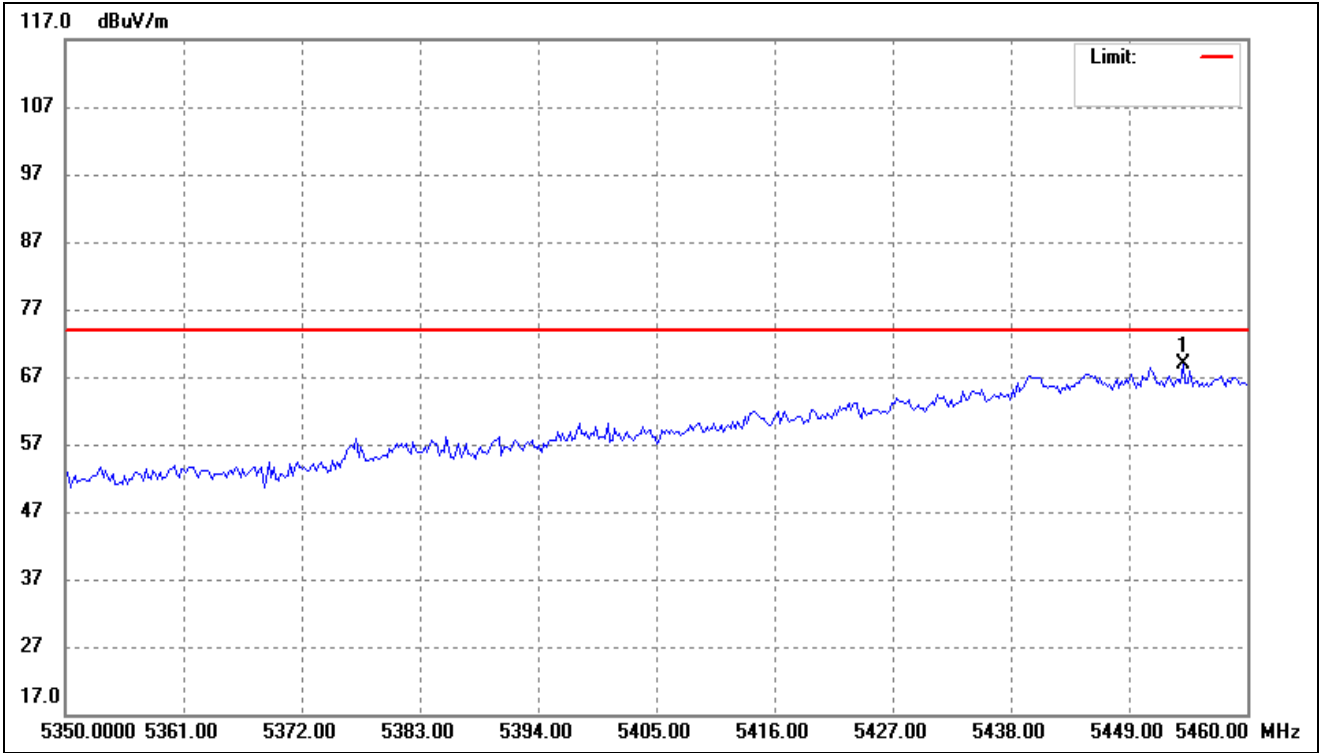
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	5458.677	72.19	-10.99	61.20	74.00	-12.80	-	-	peak

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



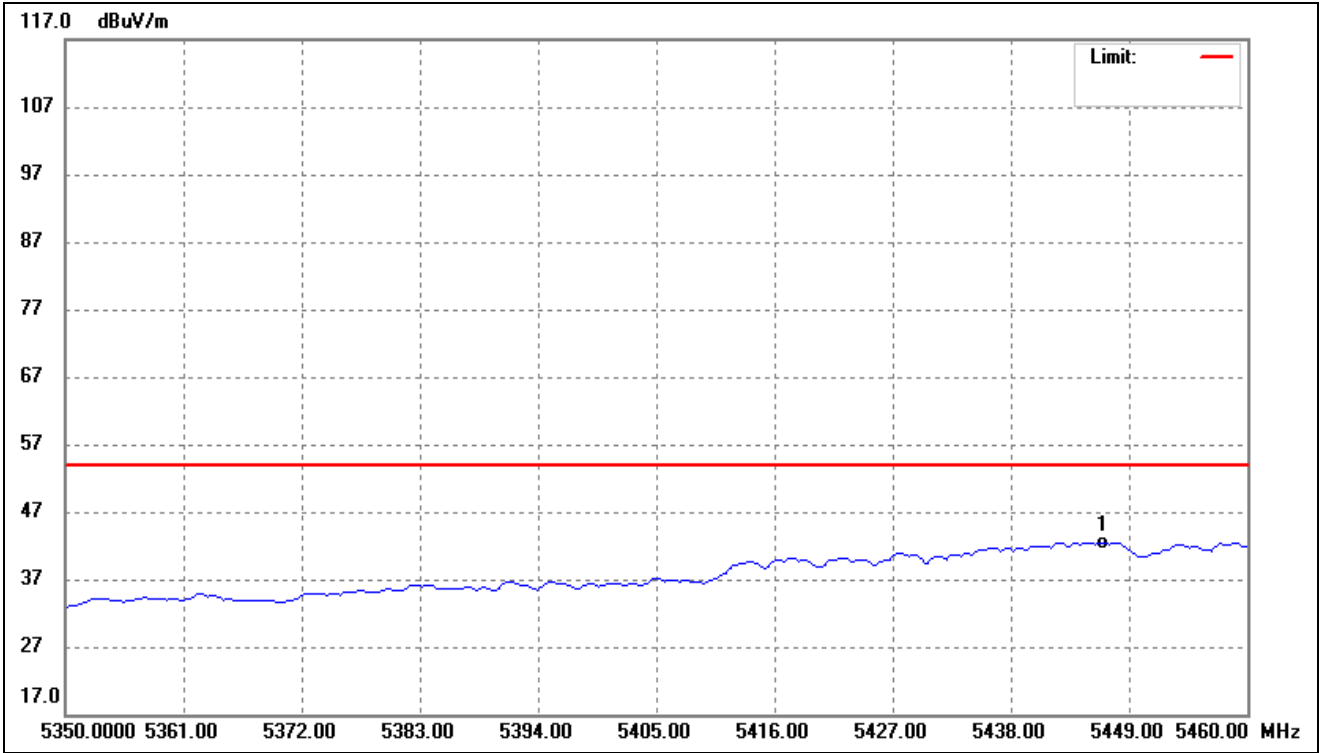
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5458.898	50.77	-10.99	39.78	54.00	-14.22	-	-	AVG

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5454.048	79.96	-11.02	68.94	74.00	-5.06	-	-	peak

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5446.553	53.54	-11.05	42.49	54.00	-11.51	-	-	AVG

Note: The Restricted Bandedge was tested in Horizontal /Vertical and the worst case position data was reported.

Remark: '-Means' the test Degree and Height is not recorded by the test software and only show the worst case in the test report.

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11a)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5180MHz)							
10360	56.43	7.11	63.54	74	-10.46	H	PK
10360	39.99	7.11	47.10	54	-6.90	H	AV
10360	57.92	7.11	65.03	74	-8.97	V	PK
10360	38.77	7.11	45.88	54	-8.12	V	AV
Middle Channel (5200MHz)							
10400	56.14	7.22	63.36	74	-10.64	H	PK
10400	41.77	7.22	48.99	54	-5.01	H	AV
10400	55.25	7.22	62.47	74	-11.53	V	PK
10400	38.89	7.22	46.11	54	-7.89	V	AV
High Channel (5240MHz)							
10480	57.80	7.69	65.49	74	-8.51	H	PK
10480	38.25	7.69	45.94	54	-8.06	H	AV
10480	58.95	7.69	66.64	74	-7.36	V	PK
10480	39.07	7.69	46.76	54	-7.24	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5260MHz)							
10520	56.04	7.96	64.00	74	-10.00	H	PK
10520	38.53	7.96	46.49	54	-7.51	H	AV
10520	56.00	7.96	63.96	74	-10.04	V	PK
10520	41.38	7.96	49.34	54	-4.66	V	AV
Middle Channel (5280MHz)							
10560	57.20	8.02	65.22	74	-8.78	H	PK
10560	41.87	8.02	49.89	54	-4.11	H	AV
10560	56.95	8.02	64.97	74	-9.03	V	PK
10560	38.97	8.02	46.99	54	-7.01	V	AV
High Channel (5320MHz)							
10640	58.13	8.35	66.48	74	-7.52	H	PK
10640	38.92	8.35	47.27	54	-6.73	H	AV
10640	57.87	8.35	66.22	74	-7.78	V	PK
10640	38.79	8.35	47.14	54	-6.86	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5500MHz)							
11000	56.13	8.82	64.95	74	-9.05	H	PK
11000	40.29	8.82	49.11	54	-4.89	H	AV
11000	58.73	8.82	67.55	74	-6.45	V	PK
11000	39.03	8.82	47.85	54	-6.15	V	AV
Middle Channel (5600MHz)							
11200	55.32	8.92	64.24	74	-9.76	H	PK
11200	39.87	8.92	48.79	54	-5.21	H	AV
11200	58.72	8.92	67.64	74	-6.36	V	PK
11200	38.38	8.92	47.30	54	-6.70	V	AV
High Channel (5700MHz)							
11400	58.96	9.36	68.32	74	-5.68	H	PK
11400	41.34	9.36	50.70	54	-3.30	H	AV
11400	57.43	9.36	66.79	74	-7.21	V	PK
11400	38.61	9.36	47.97	54	-6.03	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5745MHz)							
11490	56.65	9.45	66.10	74	-7.90	H	PK
11490	39.72	9.45	49.17	54	-4.83	H	AV
11490	56.80	9.45	66.25	74	-7.75	V	PK
11490	41.13	9.45	50.58	54	-3.42	V	AV
Middle Channel (5785MHz)							
11570	56.00	9.62	65.62	74	-8.38	H	PK
11570	39.98	9.62	49.60	54	-4.40	H	AV
11570	57.57	9.62	67.19	74	-6.81	V	PK
11570	41.67	9.62	51.29	54	-2.71	V	AV
High Channel (5825MHz)							
11650	55.34	9.84	65.18	74	-8.82	H	PK
11650	38.23	9.84	48.07	54	-5.93	H	AV
11650	55.67	9.84	65.51	74	-8.49	V	PK
11650	41.21	9.84	51.05	54	-2.95	V	AV

➤ Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.59	-27
Highest	Above 5350	-42.16	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-42.70	-27
Highest	Above 5350	-41.59	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-41.38	-27
Highest	Above 5725	-39.65	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-36.48	-27
	5715 to 5725	-35.71	-17
Highest	5850 to 5860	-28.62	-17
	Above 5860	-27.57	-27
Note: the data just list the worst cases			

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11n HT20)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5180MHz)							
10360	56.11	7.11	63.22	74	-10.78	H	PK
10360	40.63	7.11	47.74	54	-6.26	H	AV
10360	56.32	7.11	63.43	74	-10.57	V	PK
10360	41.83	7.11	48.94	54	-5.06	V	AV
Middle Channel (5200MHz)							
10400	58.02	7.22	65.24	74	-8.76	H	PK
10400	40.21	7.22	47.43	54	-6.57	H	AV
10400	58.28	7.22	65.50	74	-8.50	V	PK
10400	39.27	7.22	46.49	54	-7.51	V	AV
High Channel (5240MHz)							
10480	57.20	7.69	64.89	74	-9.11	H	PK
10480	38.35	7.69	46.04	54	-7.96	H	AV
10480	57.66	7.69	65.35	74	-8.65	V	PK
10480	41.28	7.69	48.97	54	-5.03	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5260MHz)							
10520	58.65	7.96	66.61	74	-7.39	H	PK
10520	39.20	7.96	47.16	54	-6.84	H	AV
10520	58.42	7.96	66.38	74	-7.62	V	PK
10520	40.39	7.96	48.35	54	-5.65	V	AV
Middle Channel (5280MHz)							
10560	58.95	8.02	66.97	74	-7.03	H	PK
10560	39.46	8.02	47.48	54	-6.52	H	AV
10560	58.08	8.02	66.10	74	-7.90	V	PK
10560	41.19	8.02	49.21	54	-4.79	V	AV
High Channel (5320MHz)							
10640	55.12	8.35	63.47	74	-10.53	H	PK
10640	40.63	8.35	48.98	54	-5.02	H	AV
10640	55.64	8.35	63.99	74	-10.01	V	PK
10640	40.15	8.35	48.50	54	-5.50	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5500MHz)							
11000	57.74	8.82	66.56	74	-7.44	H	PK
11000	39.40	8.82	48.22	54	-5.78	H	AV
11000	55.32	8.82	64.14	74	-9.86	V	PK
11000	41.19	8.82	50.01	54	-3.99	V	AV
Middle Channel (5600MHz)							
11200	56.17	8.92	65.09	74	-8.91	H	PK
11200	40.75	8.92	49.67	54	-4.33	H	AV
11200	57.62	8.92	66.54	74	-7.46	V	PK
11200	41.92	8.92	50.84	54	-3.16	V	AV
High Channel (5700MHz)							
11400	55.26	9.84	65.10	74	-8.90	H	PK
11400	38.88	9.84	48.72	54	-5.28	H	AV
11400	58.57	9.84	68.41	74	-5.59	V	PK
11400	40.89	9.84	50.73	54	-3.27	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5745MHz)							
11490	55.82	9.45	65.27	74	-8.73	H	PK
11490	38.67	9.45	48.12	54	-5.88	H	AV
11490	57.95	9.45	67.40	74	-6.60	V	PK
11490	41.76	9.45	51.21	54	-2.79	V	AV
Middle Channel (5785MHz)							
11570	57.87	9.62	67.49	74	-6.51	H	PK
11570	39.33	9.62	48.95	54	-5.05	H	AV
11570	57.36	9.62	66.98	74	-7.02	V	PK
11570	41.12	9.62	50.74	54	-3.26	V	AV
High Channel (5825MHz)							
11650	56.68	9.84	66.52	74	-7.48	H	PK
11650	38.19	9.84	48.03	54	-5.97	H	AV
11650	55.40	9.84	65.24	74	-8.76	V	PK
11650	39.34	9.84	49.18	54	-4.82	V	AV

➤ Out of Band edge 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-40.86	-27
Highest	Above 5350	-41.73	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-41.57	-27
Highest	Above 5350	-42.62	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-38.34	-27
Highest	Above 5725	-39.59	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-41.62	-27
	5715 to 5725	-37.50	-17
Highest	5850 to 5860	-47.38	-17
	Above 5860	-48.25	-27

Note: the data just list the worst cases

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11ac HT20)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5180MHz)							
10360	55.05	7.11	62.16	74	-11.84	H	PK
10360	41.93	7.11	49.04	54	-4.96	H	AV
10360	57.24	7.11	64.35	74	-9.65	V	PK
10360	38.64	7.11	45.75	54	-8.25	V	AV
Middle Channel (5200MHz)							
10400	57.22	7.22	64.44	74	-9.56	H	PK
10400	41.84	7.22	49.06	54	-4.94	H	AV
10400	57.03	7.22	64.25	74	-9.75	V	PK
10400	40.48	7.22	47.70	54	-6.30	V	AV
High Channel (5240MHz)							
10480	57.34	7.69	65.03	74	-8.97	H	PK
10480	39.98	7.69	47.67	54	-6.33	H	AV
10480	58.45	7.69	66.14	74	-7.86	V	PK
10480	38.39	7.69	46.08	54	-7.92	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5260MHz)							
10520	56.64	7.96	64.60	74	-9.40	H	PK
10520	40.43	7.96	48.39	54	-5.61	H	AV
10520	56.22	7.96	64.18	74	-9.82	V	PK
10520	41.90	7.96	49.86	54	-4.14	V	AV
Middle Channel (5280MHz)							
10560	57.47	8.02	65.49	74	-8.51	H	PK
10560	41.25	8.02	49.27	54	-4.73	H	AV
10560	55.13	8.02	63.15	74	-10.85	V	PK
10560	41.05	8.02	49.07	54	-4.93	V	AV
High Channel (5320MHz)							
10640	55.27	8.35	63.62	74	-10.38	H	PK
10640	38.99	8.35	47.34	54	-6.66	H	AV
10640	57.85	8.35	66.20	74	-7.80	V	PK
10640	38.42	8.35	46.77	54	-7.23	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5500MHz)							
11000	57.66	8.82	66.48	74	-7.52	H	PK
11000	41.08	8.82	49.90	54	-4.10	H	AV
11000	56.63	8.82	65.45	74	-8.55	V	PK
11000	39.53	8.82	48.35	54	-5.65	V	AV
Middle Channel (5600MHz)							
11200	55.63	8.92	64.55	74	-9.45	H	PK
11200	41.31	8.92	50.23	54	-3.77	H	AV
11200	57.15	8.92	66.07	74	-7.93	V	PK
11200	39.71	8.92	48.63	54	-5.37	V	AV
High Channel (5700MHz)							
11400	58.35	9.84	68.19	74	-5.81	H	PK
11400	39.55	9.84	49.39	54	-4.61	H	AV
11400	58.85	9.84	68.69	74	-5.31	V	PK
11400	40.87	9.84	50.71	54	-3.29	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5745MHz)							
11490	57.60	9.45	67.05	74	-6.95	H	PK
11490	41.06	9.45	50.51	54	-3.49	H	AV
11490	58.89	9.45	68.34	74	-5.66	V	PK
11490	40.34	9.45	49.79	54	-4.21	V	AV
Middle Channel (5785MHz)							
11570	56.31	9.62	65.93	74	-8.07	H	PK
11570	39.79	9.62	49.41	54	-4.59	H	AV
11570	57.36	9.62	66.98	74	-7.02	V	PK
11570	40.81	9.62	50.43	54	-3.57	V	AV
High Channel (5825MHz)							
11650	56.41	9.84	66.25	74	-7.75	H	PK
11650	40.79	9.84	50.63	54	-3.37	H	AV
11650	56.80	9.84	66.64	74	-7.36	V	PK
11650	39.32	9.84	49.16	54	-4.84	V	AV

➤ Out of Band edge 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-40.89	-27
Highest	Above 5350	-41.62	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-41.59	-27
Highest	Above 5350	-42.72	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-38.93	-27
Highest	Above 5725	-39.76	-27

Note: the data just list the worst cases

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-41.58	-27
	5715 to 5725	-37.61	-17
Highest	5850 to 5860	-47.70	-17
	Above 5860	-48.53	-27

Note: the data just list the worst cases

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11n HT40)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5190MHz)							
10380	57.39	7.89	65.28	74	-8.72	H	PK
10380	38.49	7.89	46.38	54	-7.62	H	AV
10380	58.11	7.89	66.00	74	-8.00	V	PK
10380	41.90	7.89	49.79	54	-4.21	V	AV
High Channel (5230MHz)							
10460	56.72	7.97	64.69	74	-9.31	H	PK
10460	40.74	7.97	48.71	54	-5.29	H	AV
10460	57.92	7.97	65.89	74	-8.11	V	PK
10460	41.10	7.97	49.07	54	-4.93	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5270MHz)							
10540	57.84	8.16	66.00	74	-8.00	H	PK
10540	38.53	8.16	46.69	54	-7.31	H	AV
10540	57.55	8.16	65.71	74	-8.29	V	PK
10540	38.95	8.16	47.11	54	-6.89	V	AV
High Channel (5310MHz)							
10620	56.18	8.57	64.75	74	-9.25	H	PK
10620	38.39	8.57	46.96	54	-7.04	H	AV
10620	55.16	8.57	63.73	74	-10.27	V	PK
10620	38.99	8.57	47.56	54	-6.44	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5510MHz)							
11020	58.22	9.16	67.38	74	-6.62	H	PK
11020	41.42	9.16	50.58	54	-3.42	H	AV
11020	55.08	9.16	64.24	74	-9.76	V	PK
11020	41.17	9.16	50.33	54	-3.67	V	AV
Middle Channel (5590MHz)							
11180	58.83	9.29	68.12	74	-5.88	H	PK
11180	39.01	9.29	48.30	54	-5.70	H	AV
11180	57.85	9.29	67.14	74	-6.86	V	PK
11180	38.79	9.29	48.08	54	-5.92	V	AV
High Channel (5670MHz)							
11340	58.46	9.43	67.89	74	-6.11	H	PK
11340	41.69	9.43	51.12	54	-2.88	H	AV
11340	58.96	9.43	68.39	74	-5.61	V	PK
11340	39.15	9.43	48.58	54	-5.42	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5755MHz)							
11510	57.88	9.45	67.33	74	-6.67	H	PK
11510	39.77	9.45	49.22	54	-4.78	H	AV
11510	55.61	9.45	65.06	74	-8.94	V	PK
11510	41.97	9.45	51.42	54	-2.58	V	AV
High Channel (5795MHz)							
11590	58.47	9.27	67.74	74	-6.26	H	PK
11590	40.29	9.27	49.56	54	-4.44	H	AV
11590	57.45	9.27	66.72	74	-7.28	V	PK
11590	38.28	9.27	47.55	54	-6.45	V	AV

➤ Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-39.75	-27
Highest	Above 5350	-38.86	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-37.64	-27
Highest	Above 5350	-38.53	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-35.70	-27
Highest	Above 5725	-37.58	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-41.81	-27
	5715 to 5725	-35.62	-17
Highest	5850 to 5860	-37.77	-17
	Above 5860	-38.52	-27
Note: the data just list the worst cases			

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11ac HT40)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5190MHz)							
10380	58.71	7.89	66.60	74	-7.40	H	PK
10380	40.47	7.89	48.36	54	-5.64	H	AV
10380	58.09	7.89	65.98	74	-8.02	V	PK
10380	41.38	7.89	49.27	54	-4.73	V	AV
High Channel (5230MHz)							
10460	55.97	7.97	63.94	74	-10.06	H	PK
10460	38.40	7.97	46.37	54	-7.63	H	AV
10460	55.44	7.97	63.41	74	-10.59	V	PK
10460	41.94	7.97	49.91	54	-4.09	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5270MHz)							
10540	58.68	8.16	66.84	74	-7.16	H	PK
10540	42.00	8.16	50.16	54	-3.84	H	AV
10540	57.52	8.16	65.68	74	-8.32	V	PK
10540	41.80	8.16	49.96	54	-4.04	V	AV
High Channel (5310MHz)							
10620	55.06	8.57	63.63	74	-10.37	H	PK
10620	38.82	8.57	47.39	54	-6.61	H	AV
10620	56.19	8.57	64.76	74	-9.24	V	PK
10620	41.09	8.57	49.66	54	-4.34	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5510MHz)							
11020	56.55	9.16	65.71	74	-8.29	H	PK
11020	40.93	9.16	50.09	54	-3.91	H	AV
11020	57.14	9.16	66.30	74	-7.70	V	PK
11020	39.74	9.16	48.90	54	-5.10	V	AV
Middle Channel (5590MHz)							
11180	55.91	9.29	65.20	74	-8.80	H	PK
11180	41.75	9.29	51.04	54	-2.96	H	AV
11180	55.25	9.29	64.54	74	-9.46	V	PK
11180	38.05	9.29	47.34	54	-6.66	V	AV
High Channel (5670MHz)							
11340	55.27	9.43	64.70	74	-9.30	H	PK
11340	38.23	9.43	47.66	54	-6.34	H	AV
11340	55.28	9.43	64.71	74	-9.29	V	PK
11340	40.55	9.43	49.98	54	-4.02	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5755MHz)							
11510	56.57	9.45	66.02	74	-7.98	H	PK
11510	38.67	9.45	48.12	54	-5.88	H	AV
11510	57.55	9.45	67.00	74	-7.00	V	PK
11510	41.15	9.45	50.60	54	-3.40	V	AV
High Channel (5795MHz)							
11590	57.29	9.27	66.56	74	-7.44	H	PK
11590	40.04	9.27	49.31	54	-4.69	H	AV
11590	56.06	9.27	65.33	74	-8.67	V	PK
11590	38.66	9.27	47.93	54	-6.07	V	AV

➤ Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-39.82	-27
Highest	Above 5350	-38.59	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-37.86	-27
Highest	Above 5350	-38.27	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-36.53	-27
Highest	Above 5725	-37.72	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-41.63	-27
	5715 to 5725	-35.82	-17
Highest	5850 to 5860	-37.40	-17
	Above 5860	-38.75	-27
Note: the data just list the worst cases			

- For the frequency band 5.15-5.25GHz, 5.250-5.350GHz, 5.470-5.725GHz, 5.725-5.850GHz (802.11ac VH80)
- Harmonics And Spurious Emissions

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
5210MHz							
10420	58.74	7.53	66.27	74	-7.73	H	PK
10420	41.33	7.53	48.86	54	-5.14	H	AV
10420	56.58	7.53	64.11	74	-9.89	H	PK
10420	38.48	7.53	46.01	54	-7.99	H	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
5290MHz							
10580	57.73	7.95	65.68	74	-8.32	H	PK
10580	39.28	7.95	47.23	54	-6.77	H	AV
10580	57.44	7.95	65.39	74	-8.61	V	PK
10580	41.43	7.95	49.38	54	-4.62	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
Low Channel (5530MHz)							
11060	56.31	9.42	65.73	74	-8.27	H	PK
11060	38.50	9.42	47.92	54	-6.08	H	AV
11060	56.32	9.42	65.74	74	-8.26	V	PK
11060	40.67	9.42	50.09	54	-3.91	V	AV
High Channel (5610MHz)							
11220	55.10	9.69	64.79	74	-9.21	H	PK
11220	38.80	9.69	48.49	54	-5.51	H	AV
11220	58.67	9.69	68.36	74	-5.64	V	PK
11220	39.10	9.69	48.79	54	-5.21	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
5775MHz							
11550	57.54	9.93	67.47	74	-6.53	H	PK
11550	39.70	9.93	49.63	54	-4.37	H	AV
11550	56.63	9.93	66.56	74	-7.44	V	PK
11550	39.13	9.93	49.06	54	-4.94	V	AV

➤ Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-37.76	-27
Highest	Above 5350	-36.58	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-38.49	-27
Highest	Above 5350	-36.60	-27
Note: the data just list the worst cases			

➤ Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-39.28	
Highest	Above 5725	-37.53	
Note: the data just list the worst cases			

➤ Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-38.49	-27
	5715 to 5725	-37.86	-17
Highest	5850 to 5860	-35.29	-17
	Above 5860	-37.14	-27
Note: the data just list the worst cases			

Note: Testing is carried out with frequency rang 9kHz to 40Ghz, other than listed in the table above are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

9. Frequency Stability

9.1 Standard Applicable

According to §15.407(g), manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

9.2 Test Procedure

According to §2.1055, the following test procedure was performed.

The Frequency Stability is measured directly with a Frequency Domain Analyzer. Frequency Deviation in ppm is calculated from the measured peak to peak value.

The Carrier Frequency Stability over Power Supply Voltage and over Temperature is measured with a Frequency Domain Analyzer in histogram mode.

9.3 Summary of Test Results/Plots

Please refer to Appendix D

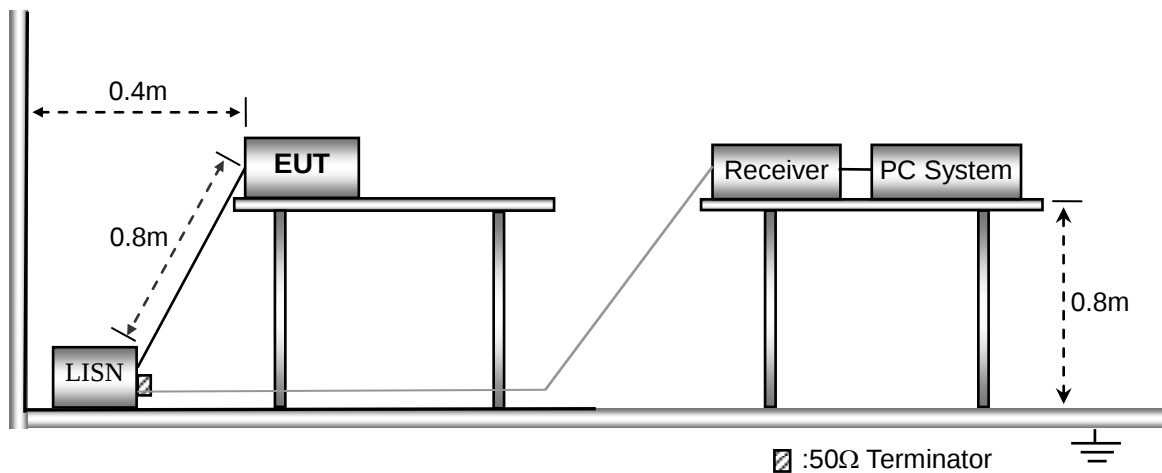
10. Conducted Emissions

10.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

10.2 Basic Test Setup Block Diagram



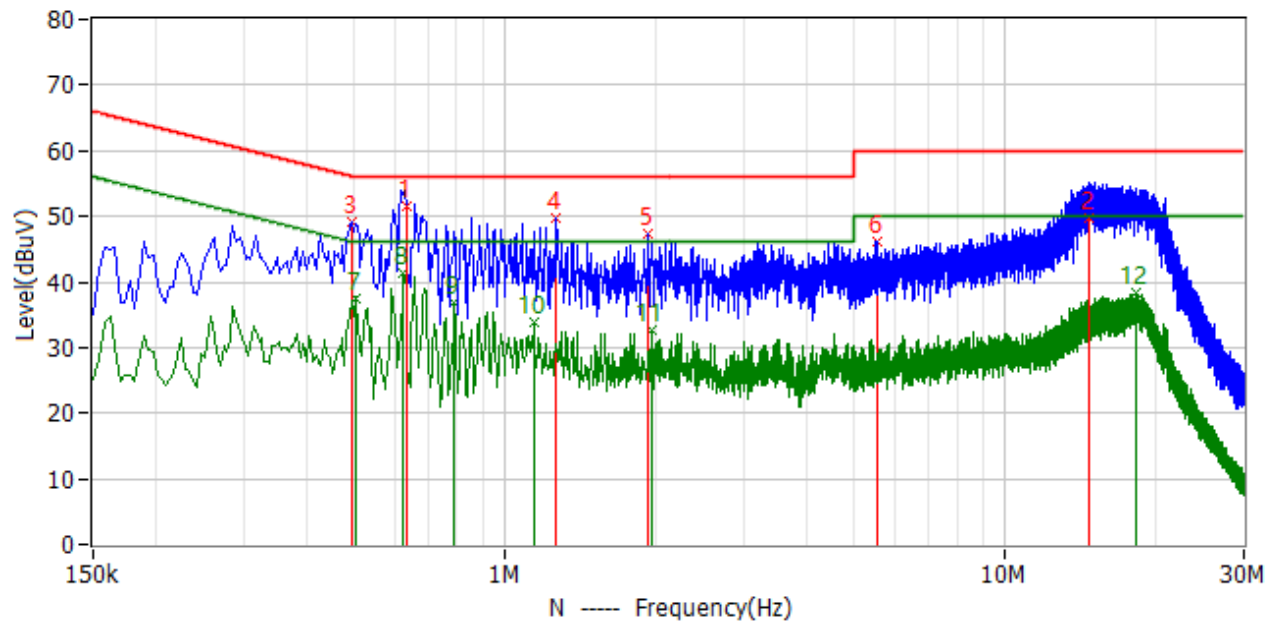
10.3 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

Start Frequency	150kHz
Stop Frequency	30MHz
Sweep Speed	Auto
IF Bandwidth.....	10kHz
Quasi-Peak Adapter Bandwidth	9kHz
Quasi-Peak Adapter Mode	Normal

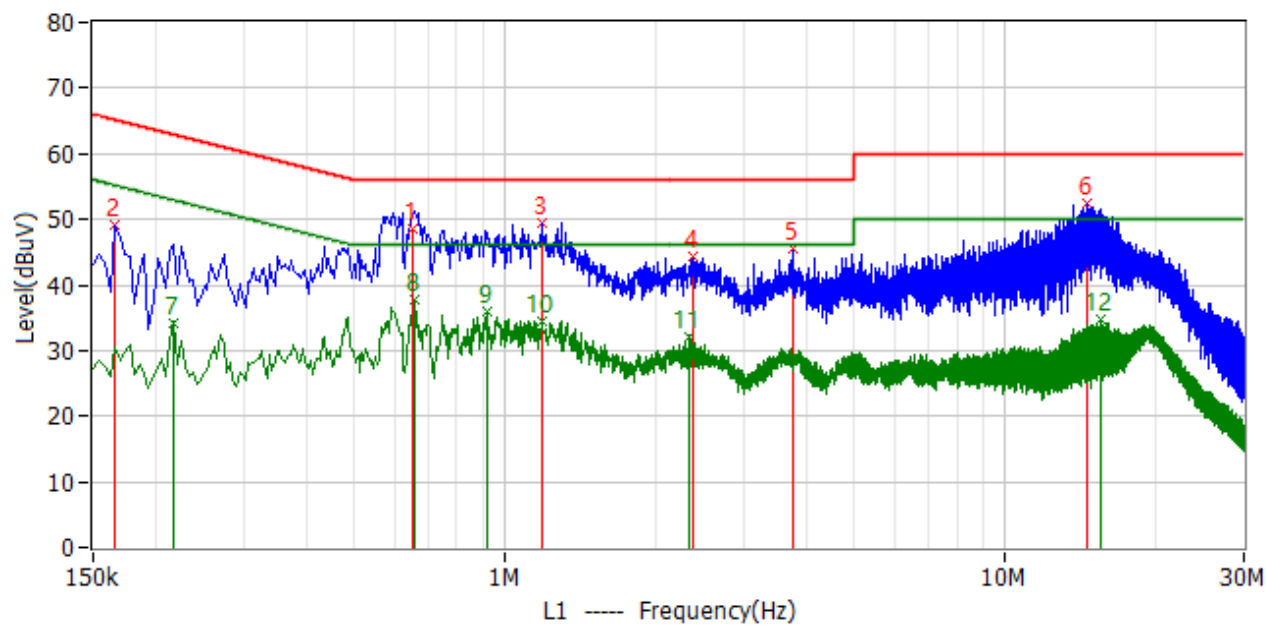
10.4 Summary of Test Results/Plots

Test Mode	Communication	AC120V 60Hz	Polarity:	Neutral
-----------	---------------	-------------	-----------	---------



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Delta dB	Detector
1	638.000kHz	41.8	9.7	51.5	56.0	-4.5	QP
2	14.686MHz	39.9	9.9	49.8	60.0	-10.2	QP
3*	494.000kHz	39.4	9.7	49.1	56.1	-7.0	QP
4*	1.266MHz	40.2	9.6	49.8	56.0	-6.2	QP
5*	1.934MHz	37.8	9.6	47.4	56.0	-8.6	QP
6*	5.562MHz	36.5	9.7	46.2	60.0	-13.8	QP
7*	502.000kHz	27.9	9.7	37.6	46.0	-8.4	AV
8*	626.000kHz	31.6	9.7	41.3	46.0	-4.7	AV
9*	790.000kHz	27.3	9.6	36.9	46.0	-9.1	AV
10*	1.138MHz	24.3	9.6	33.9	46.0	-12.1	AV
11*	1.962MHz	23.0	9.6	32.6	46.0	-13.4	AV
12*	18.238MHz	28.5	10.0	38.5	50.0	-11.5	AV

Test Mode	Communication	AC120V 60Hz	Polarity:	Line
-----------	---------------	-------------	-----------	------



No.	Frequency	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Delta dB	Detector
1	654.000kHz	38.7	9.7	48.4	56.0	-7.6	QP
2*	166.000kHz	39.5	9.7	49.2	65.2	-16.0	QP
3*	1.182MHz	39.8	9.6	49.4	56.0	-6.6	QP
4*	2.382MHz	34.6	9.6	44.2	56.0	-11.8	QP
5*	3.770MHz	35.8	9.6	45.4	56.0	-10.6	QP
6*	14.630MHz	42.5	9.8	52.3	60.0	-7.7	QP
7*	218.000kHz	24.7	9.6	34.3	52.9	-18.5	AV
8*	662.000kHz	28.1	9.7	37.8	46.0	-8.2	AV
9*	922.000kHz	26.5	9.6	36.1	46.0	-9.9	AV
10*	1.182MHz	24.9	9.6	34.5	46.0	-11.5	AV
11*	2.334MHz	22.6	9.6	32.2	46.0	-13.8	AV
12*	15.542MHz	24.8	9.9	34.7	50.0	-15.3	AV

APPENDIX SUMMARY

Project No.	WTF24X08182130W	Test Engineer	Timi Huang
Start date	2024/8/15	Finish date	2024/8/15
Temperature	23℃	Humidity	64%
RF specifications	U-NII		

APPENDIX	Description of Test Item	Result
A	Power Spectral Density	Compliant
B	Emission Bandwidth and Occupied Bandwidth	Compliant
C	Maximum Conducted Output Power	Compliant
D	Frequency Stability	Compliant

APPENDIX A

Power Spectral Density			
U-NII-1:5150-5250MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5180	0.87	11
	5200	0.67	11
	5240	0.43	11
802.11n-HT20	5180	-0.27	11
	5200	-0.70	11
	5240	-0.78	11
802.11n-HT40	5190	-4.92	11
	5230	-5.63	11
802.11ac-VHT20	5180	-0.07	11
	5200	-0.35	11
	5240	-0.91	11
802.11ac-VHT40	5190	-4.52	11
	5230	-4.86	11
802.11ac-VHT80	5210	-9.08	11

U-NII-2A: 5250-5350MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5260	1.20	11
	5280	1.25	11
	5320	0.90	11
802.11n-HT20	5260	-0.03	11
	5280	0.20	11
	5320	-0.34	11
802.11n-HT40	5270	-4.34	11
	5310	-4.54	11
802.11ac-VHT20	5260	-0.12	11
	5280	-0.35	11
	5320	-0.59	11
802.11ac-VHT40	5270	-4.48	11
	5310	-4.52	11
802.11ac-VHT80	5290	-7.95	11

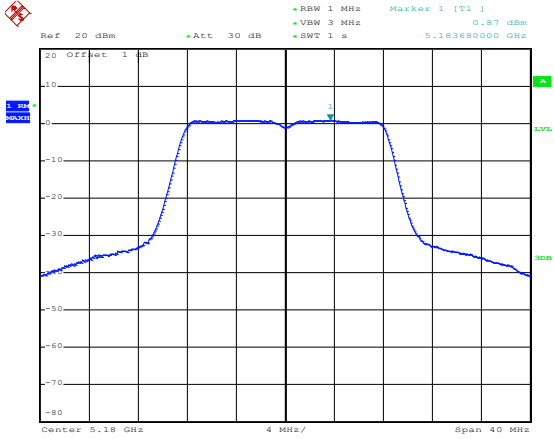
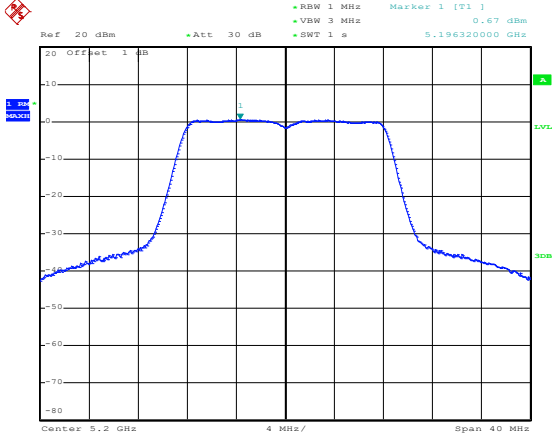
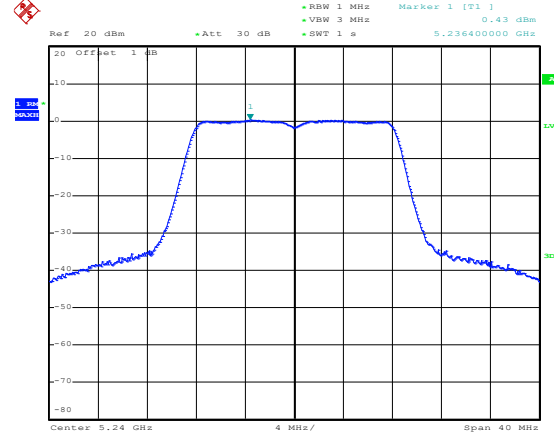
U-NII-2C: 5470-5725MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5500	0.73	11
	5600	0.25	11
	5700	-0.46	11
802.11n-HT20	5500	-0.71	11
	5600	-0.97	11
	5700	-1.76	11
802.11n-HT40	5510	-4.97	11
	5590	-5.38	11
	5670	-5.63	11
802.11ac-VHT20	5500	-0.38	11
	5600	-0.89	11
	5700	-1.40	11
802.11ac-VHT40	5510	-4.38	11
	5590	-5.10	11
	5670	-5.29	11
802.11ac-VHT80	5530	-9.00	11
	5610	-9.02	11

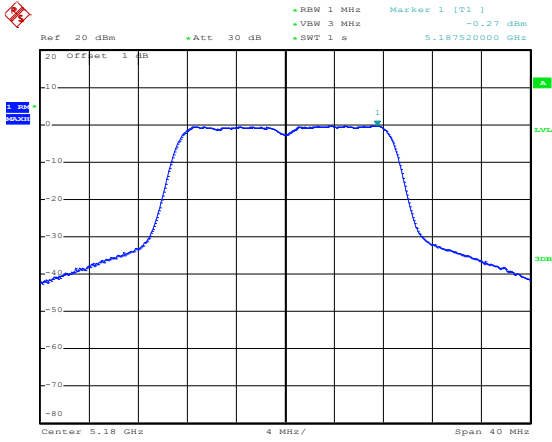
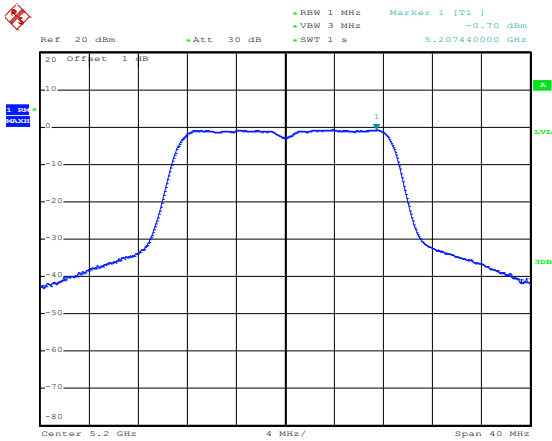
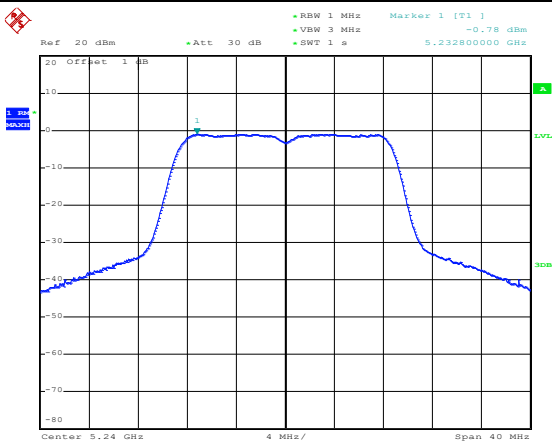
U-NII-3: 5725-5850MHz					
Operating mode	Test Channel	Power Spectral Density dBm/300kHz	Factor	Power Spectral Density* dBm/500kHz	Limit dBm/500kHz
802.11a	5745	-5.20	2.22	-2.98	30
	5785	-5.29	2.22	-3.07	30
	5825	-5.09	2.22	-2.87	30
802.11n-HT20	5745	-6.00	2.22	-3.78	30
	5785	-6.09	2.22	-3.87	30
	5825	-5.98	2.22	-3.76	30
802.11n HT40	5755	-9.66	2.22	-7.44	30
	5795	-9.90	2.22	-7.68	30
802.11ac-VHT20	5745	-5.24	2.22	-3.02	30
	5785	-5.58	2.22	-3.36	30
	5825	-5.77	2.22	-3.55	30
802.11ac-VHT40	5755	-9.83	2.22	-7.61	30
	5795	-9.91	2.22	-7.69	30

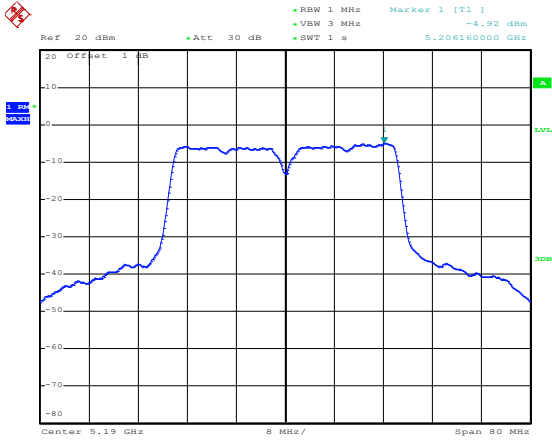
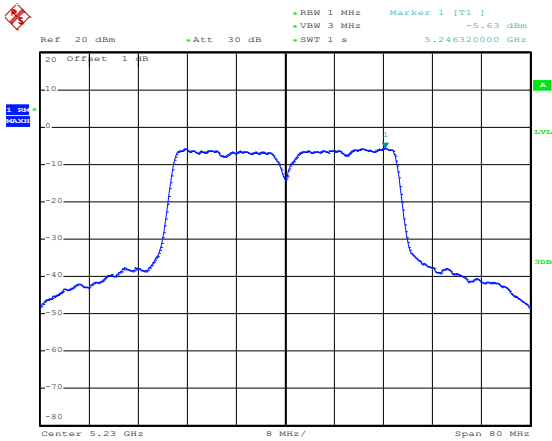
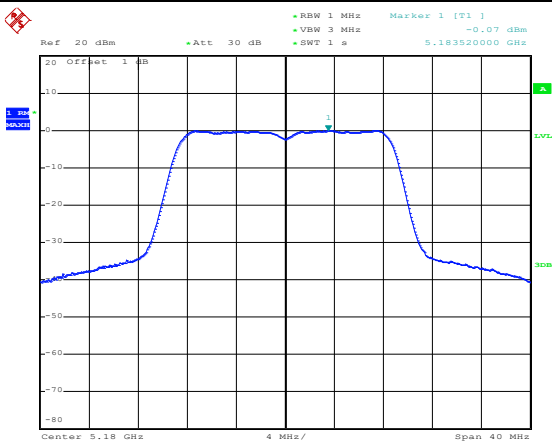
Reference No.: WTF24X08182130W003

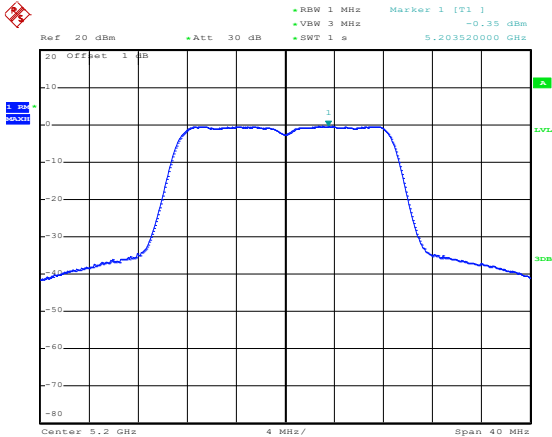
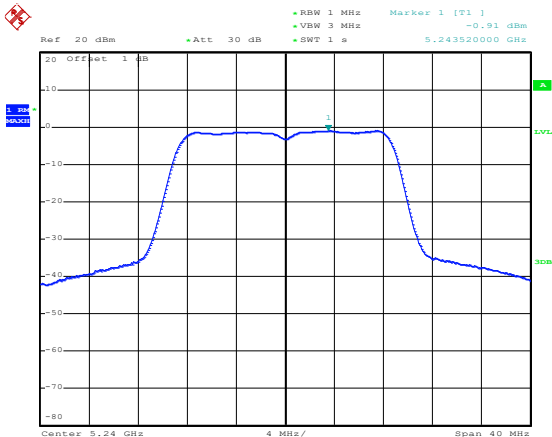
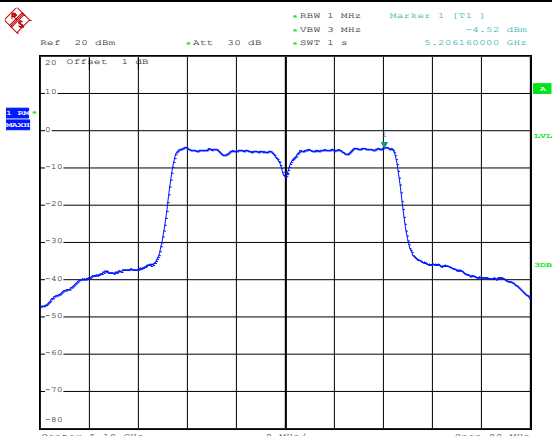
802.11ac-VHT80	5775	-13.69	2.22	-11.47	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22					

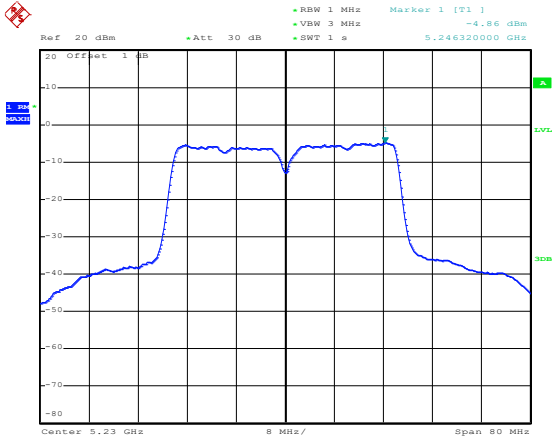
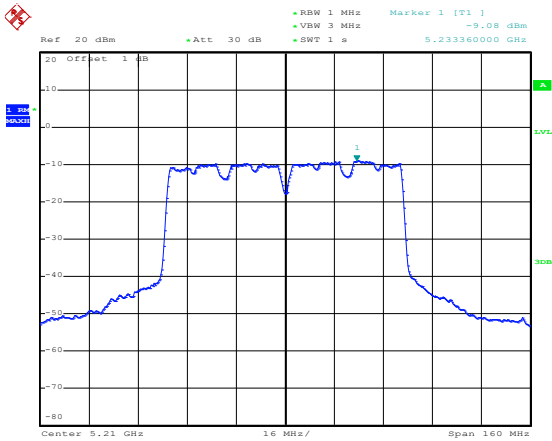
5150-5250MHz

802.11a-Low	 Date: 15.AUG.2024 10:13:54
802.11a-Middle	 Date: 15.AUG.2024 10:14:17
802.11a-High	 Date: 15.AUG.2024 10:14:39

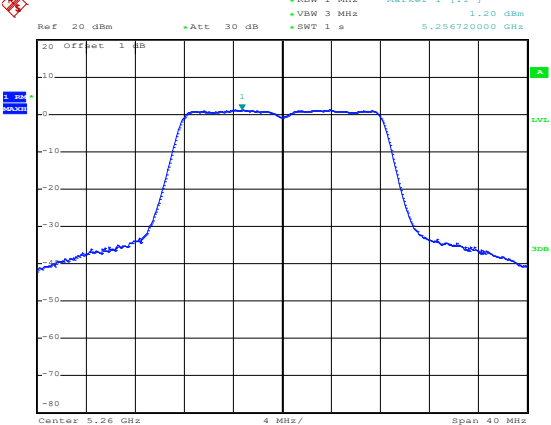
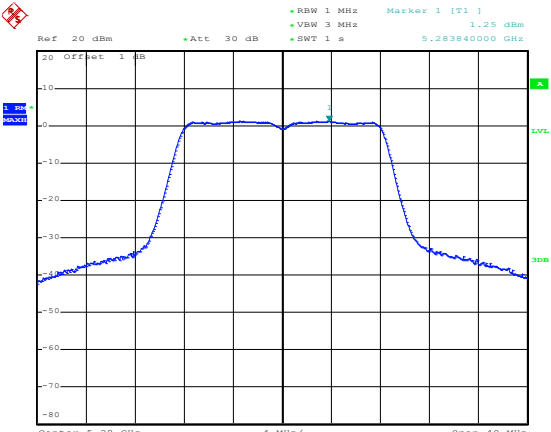
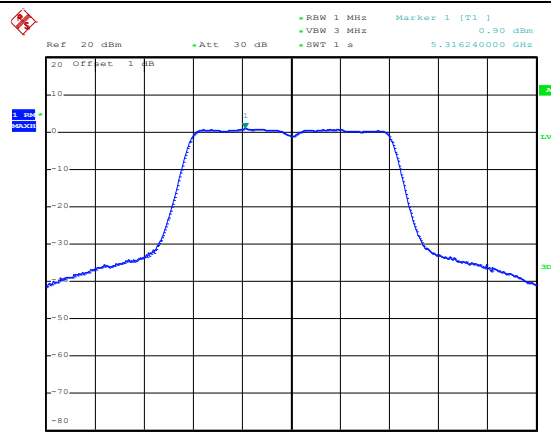
802.11n-HT20-Low	 Date: 15.AUG.2024 10:15:15
802.11n-HT20-Middle	 Date: 15.AUG.2024 10:15:41
802.11n-HT20-High	 Date: 15.AUG.2024 10:15:59

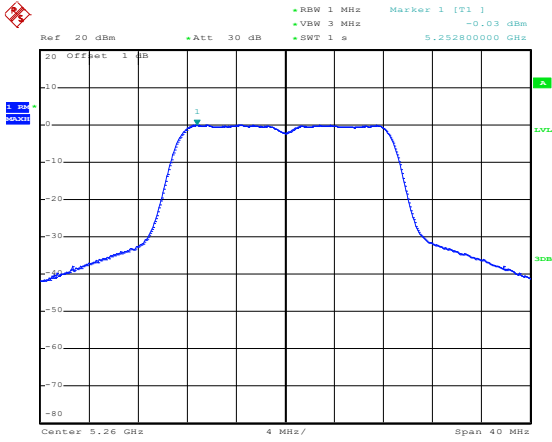
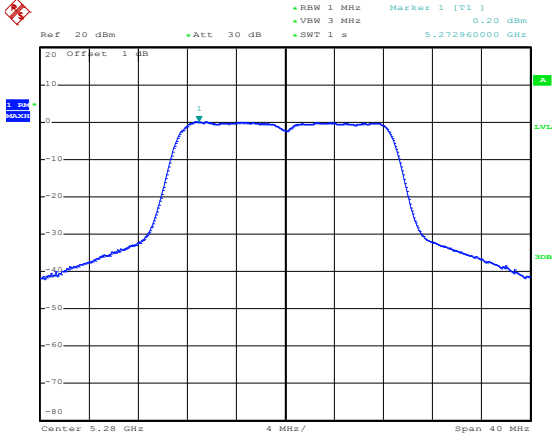
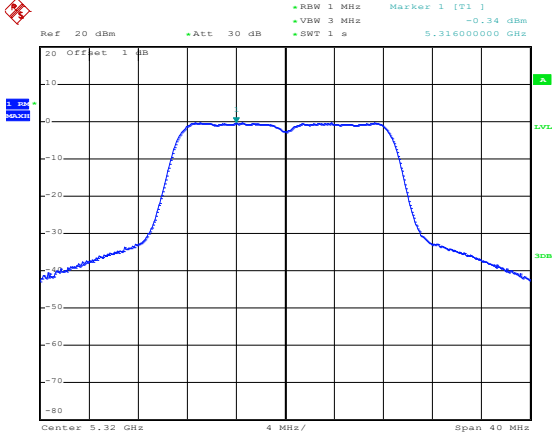
802.11n-HT40-Low	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -4.92 dBm 5.206160000 GHz Center: 5.19 GHz Span: 80 MHz Date: 15.AUG.2024 10:16:32
802.11n-HT40-High	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -5.63 dBm 5.246320000 GHz Center: 5.23 GHz Span: 80 MHz Date: 15.AUG.2024 10:16:48
802.11ac-VHT20-Low	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -0.07 dBm 5.183520000 GHz Center: 5.18 GHz Span: 40 MHz Date: 24.AUG.2024 09:07:58

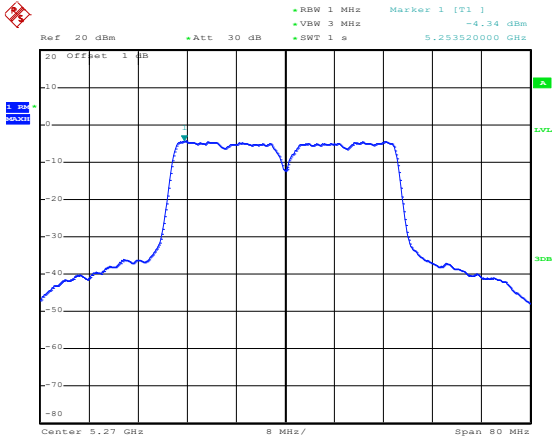
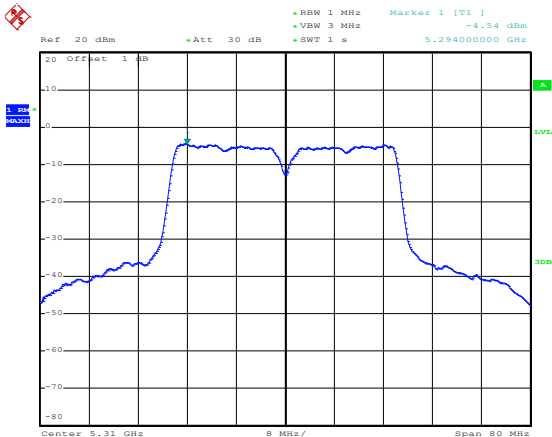
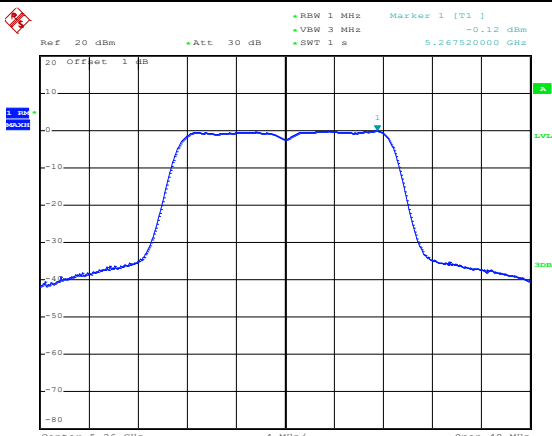
802.11ac-VHT20-Middle	 Date: 24.AUG.2024 09:10:15
802.11ac-VHT20-High	 Date: 24.AUG.2024 09:13:13
802.11ac-VHT40-Low	 Date: 24.AUG.2024 09:14:39

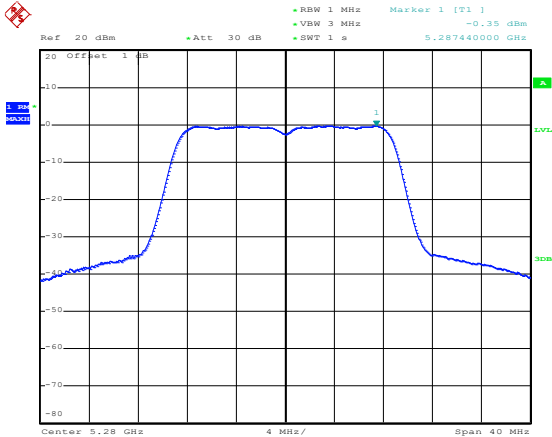
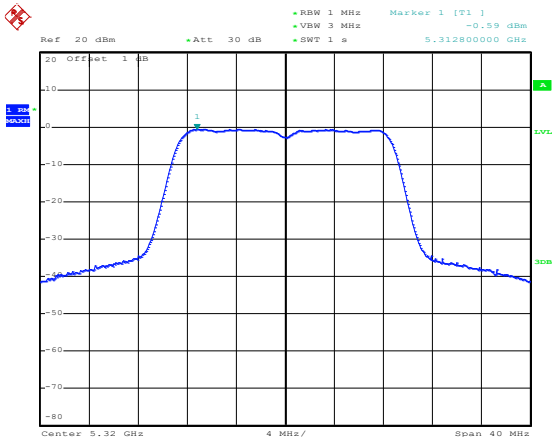
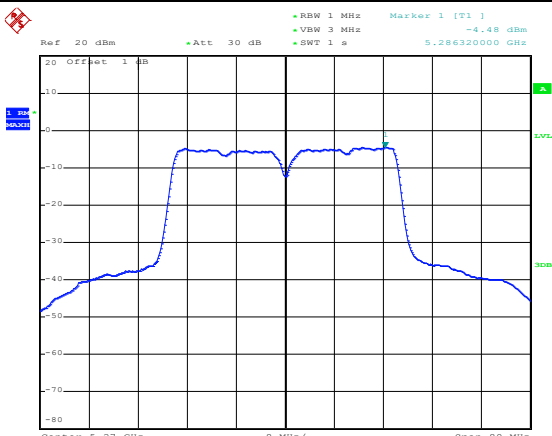
802.11ac-VHT40-High	 Date: 24.AUG.2024 09:18:41
802.11ac-VHT80-Low	 Date: 15.AUG.2024 10:17:22

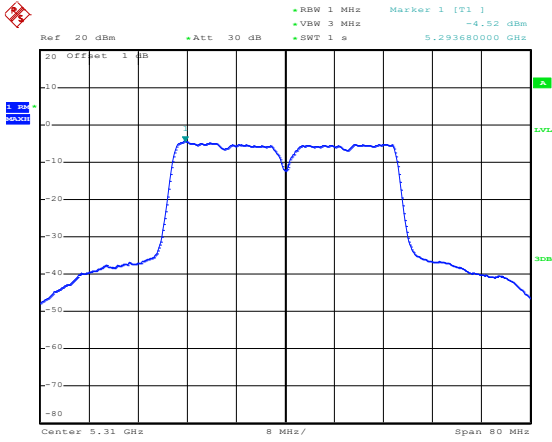
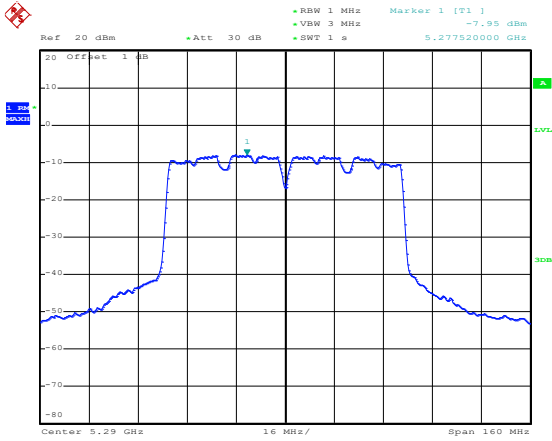
5250-5350MHz

802.11a-Low	 Date: 15.AUG.2024 10:56:00
802.11a-Middle	 Date: 15.AUG.2024 10:56:18
802.11a-High	 Date: 15.AUG.2024 10:56:46

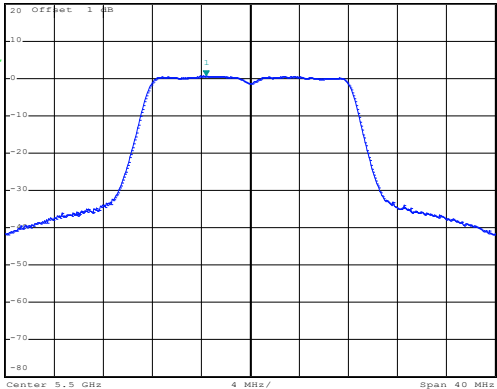
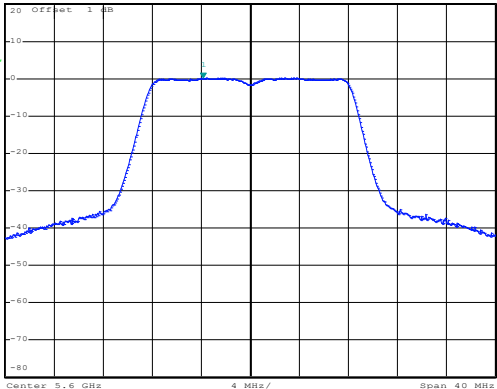
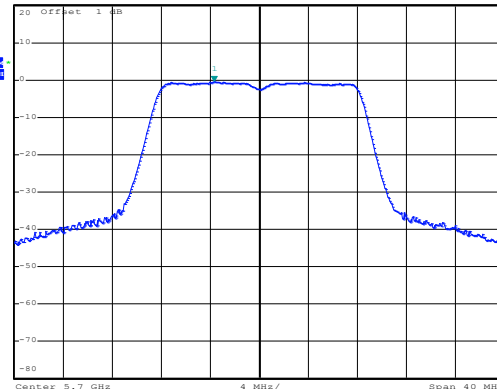
802.11n-HT20-Low	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -0.03 dBm VSW 3 MHz SWT 1 s 5.25280000 GHz Center 5.26 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 10:58:06
802.11n-HT20-Middle	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] 0.20 dBm VSW 3 MHz SWT 1 s 5.27296000 GHz Center 5.28 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 10:58:35
802.11n-HT20-High	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -0.34 dBm VSW 3 MHz SWT 1 s 5.31600000 GHz Center 5.32 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 10:58:56

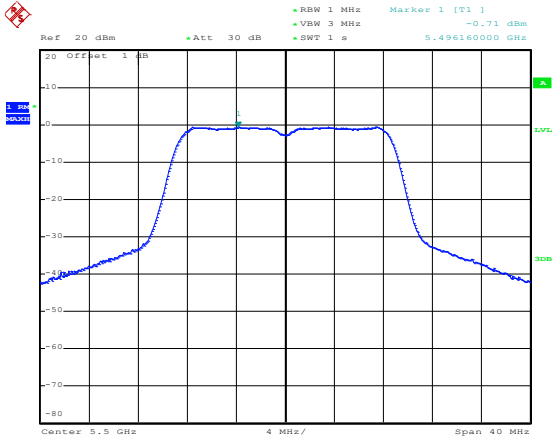
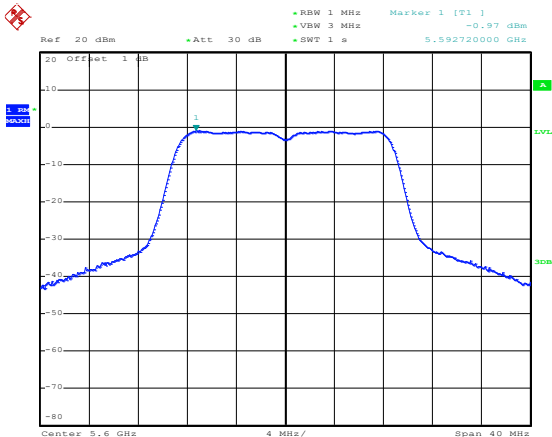
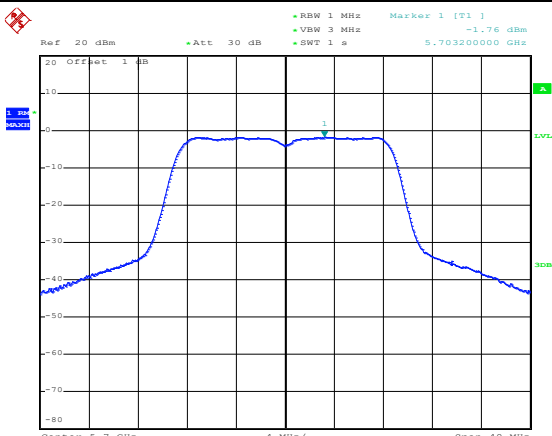
802.11n-HT40-Low	 Date: 15.AUG.2024 10:59:31
802.11n-HT40-High	 Date: 15.AUG.2024 10:59:50
802.11ac-VHT20-Low	 Date: 24.AUG.2024 09:50:58

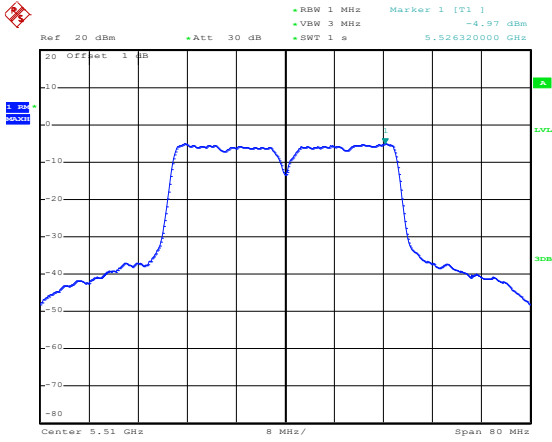
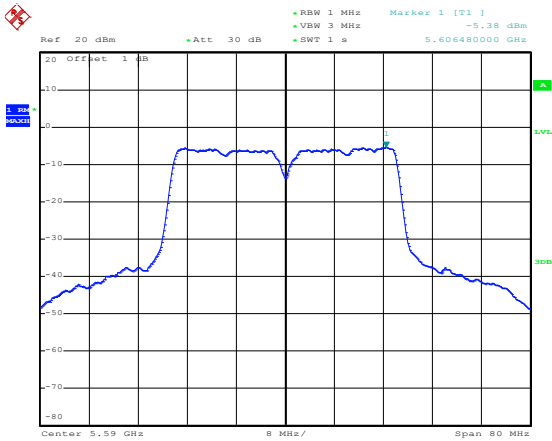
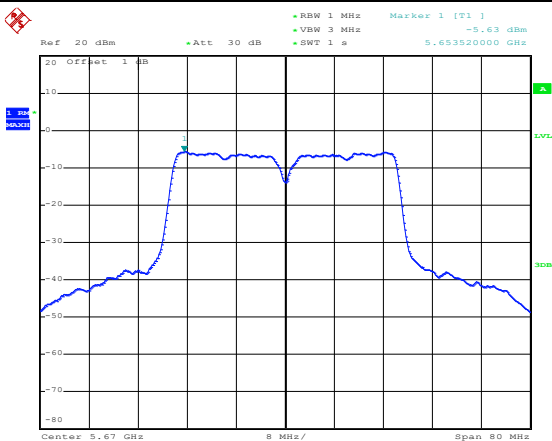
802.11ac-VHT20-Middle	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -0.35 dBm, 5.287440000 GHz Center: 5.28 GHz, Span: 40 MHz Date: 24.AUG.2024 09:52:43
802.11ac-VHT20-High	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -0.59 dBm, 5.312800000 GHz Center: 5.32 GHz, Span: 40 MHz Date: 24.AUG.2024 09:53:44
802.11ac-VHT40-Low	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -4.48 dBm, 5.286320000 GHz Center: 5.27 GHz, Span: 80 MHz Date: 24.AUG.2024 09:49:36

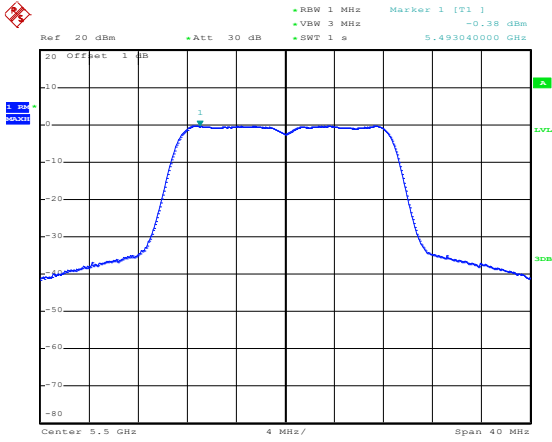
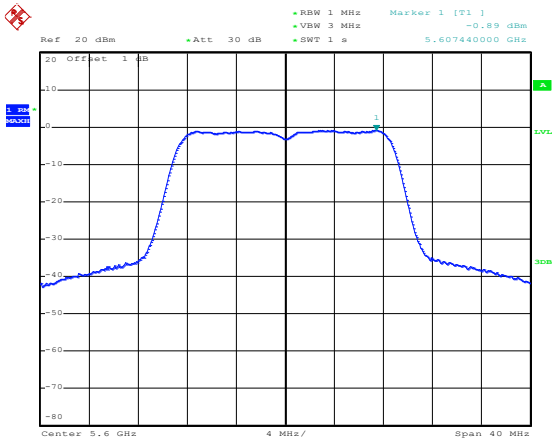
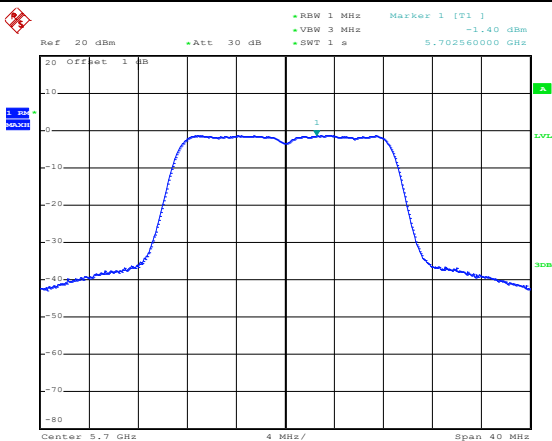
802.11ac-VHT40-High	 Ref: 20 dBm +Att: 30 dB +RBW: 1 MHz Marker 1 [T1] -4.52 dBm +VBW: 3 MHz +SWT: 1 s 5.293680000 GHz Center: 5.31 GHz 8 MHz/ Span: 80 MHz Date: 24.AUG.2024 09:48:26
802.11ac-VHT80-Low	 Ref: 20 dBm +Att: 30 dB +RBW: 1 MHz Marker 1 [T1] -7.95 dBm +VBW: 3 MHz +SWT: 1 s 5.277520000 GHz Center: 5.29 GHz 16 MHz/ Span: 160 MHz Date: 15.AUG.2024 10:55:13

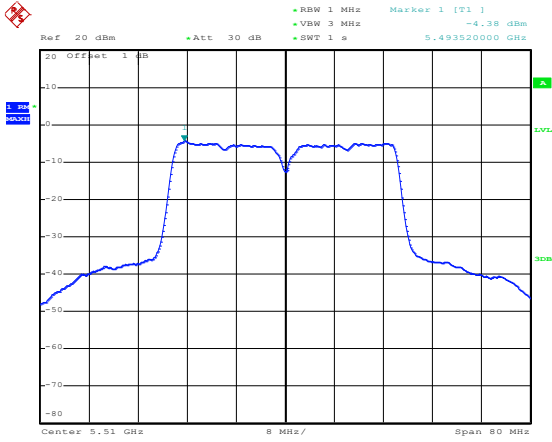
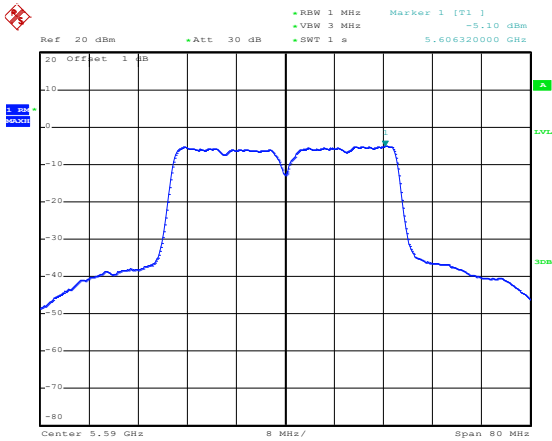
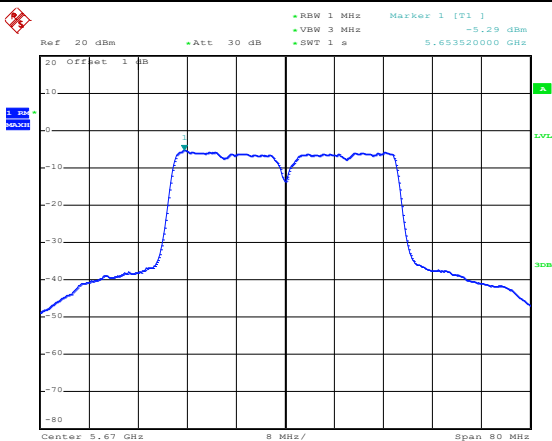
5470-5725MHz

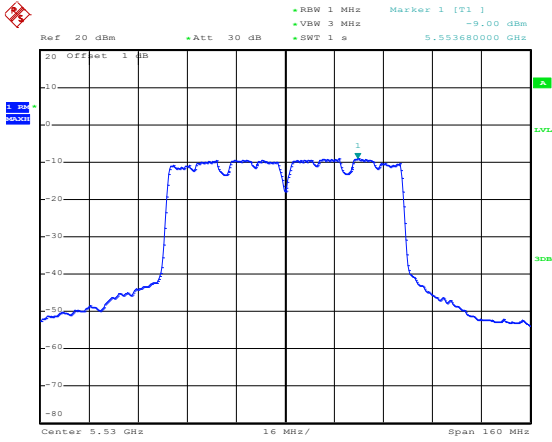
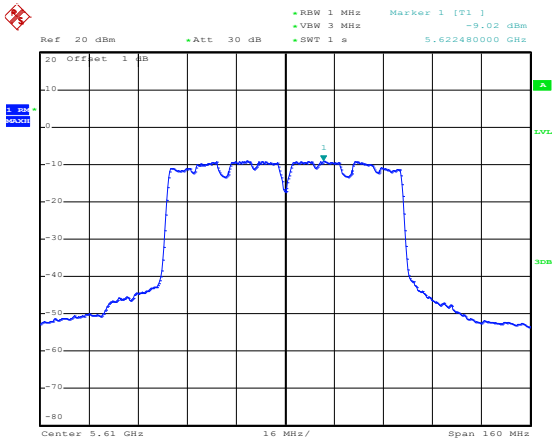
802.11a-Low	 Date: 15.AUG.2024 14:16:19
802.11a-Middle	 Date: 15.AUG.2024 14:16:38
802.11a-High	 Date: 15.AUG.2024 14:16:55

802.11n-HT20-Low	 Date: 15.AUG.2024 14:17:22
802.11n-HT20-Middle	 Date: 15.AUG.2024 14:17:40
802.11n-HT20-High	 Date: 15.AUG.2024 14:17:58

802.11n-HT40-Low	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -4.97 dBm VBW 3 MHz 5.526320000 GHz SWT 1 s 20 Offset 1 dB Center 5.51 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 14:18:28
802.11n-HT40- Middle	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -5.38 dBm VBW 3 MHz 5.606480000 GHz SWT 1 s 20 Offset 1 dB Center 5.59 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 14:18:49
802.11n-HT40-High	 Ref 20 dBm Att 30 dB RBW 1 MHz Marker 1 [T1] -5.63 dBm VBW 3 MHz 5.653520000 GHz SWT 1 s 20 Offset 1 dB Center 5.67 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 14:19:07

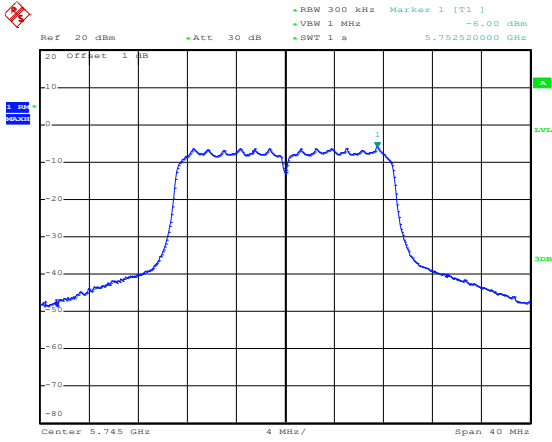
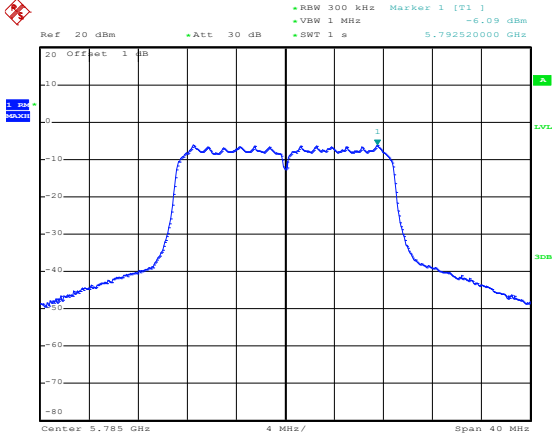
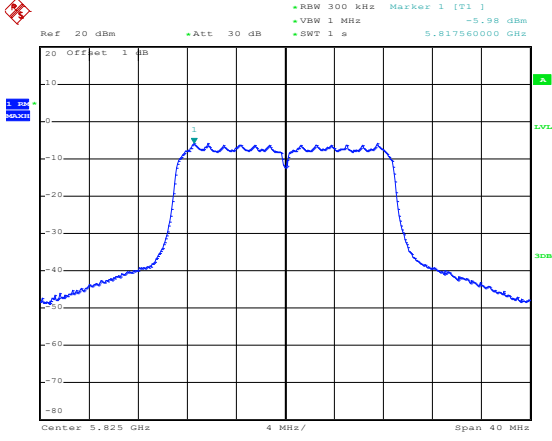
802.11ac-VHT20-Low	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -0.38 dBm, 5.493040000 GHz Center: 5.5 GHz, 4 MHz/, Span: 40 MHz Date: 24.AUG.2024 10:49:16
802.11ac-VHT20-Middle	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -0.89 dBm, 5.607440000 GHz Center: 5.6 GHz, 4 MHz/, Span: 40 MHz Date: 24.AUG.2024 10:49:49
802.11ac-VHT20-High	 Ref: 20 dBm, Att: 30 dB, RBW: 1 MHz, VBW: 3 MHz, SWT: 1 s, Marker 1 [T1]: -1.40 dBm, 5.702560000 GHz Center: 5.7 GHz, 4 MHz/, Span: 40 MHz Date: 24.AUG.2024 10:50:23

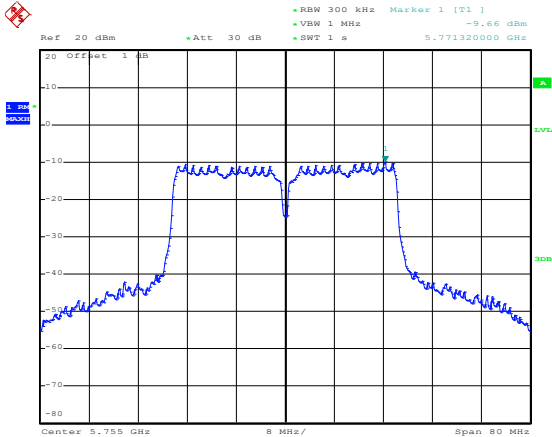
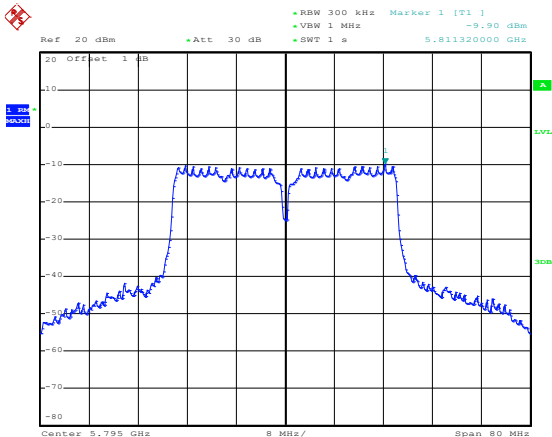
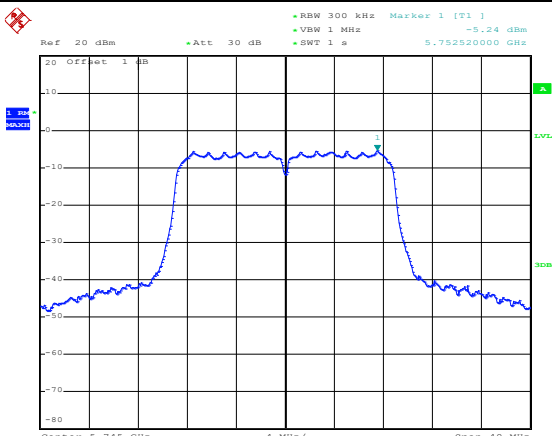
802.11ac-VHT40-Low	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -4.38 dBm 5.493520000 GHz Center: 5.51 GHz Span: 80 MHz Date: 24.AUG.2024 10:47:41
802.11ac-VHT40-Middle	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -5.10 dBm 5.606320000 GHz Center: 5.59 GHz Span: 80 MHz Date: 24.AUG.2024 10:46:57
802.11ac-VHT40-High	 Ref: 20 dBm Att: 30 dB RBW: 1 MHz VSW: 3 MHz SWT: 1 s Marker 1 [T1] -5.29 dBm 5.653520000 GHz Center: 5.67 GHz Span: 80 MHz Date: 24.AUG.2024 10:45:52

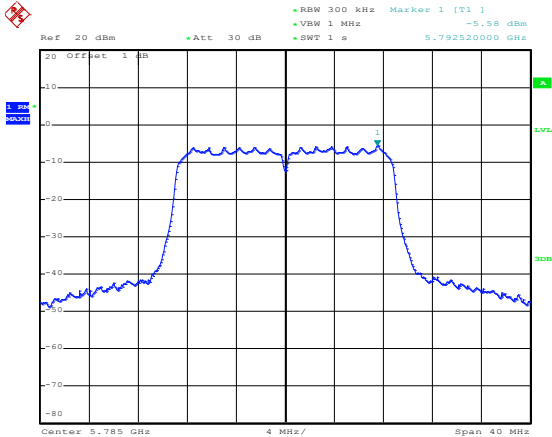
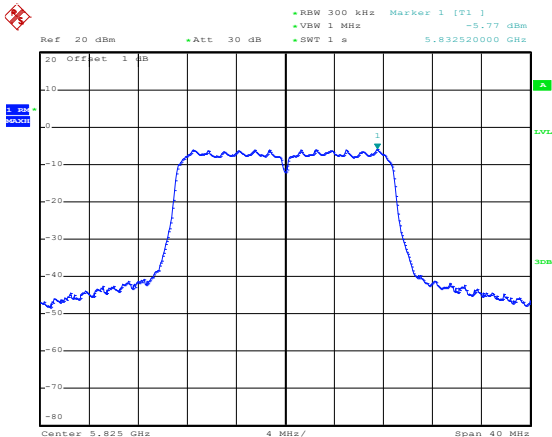
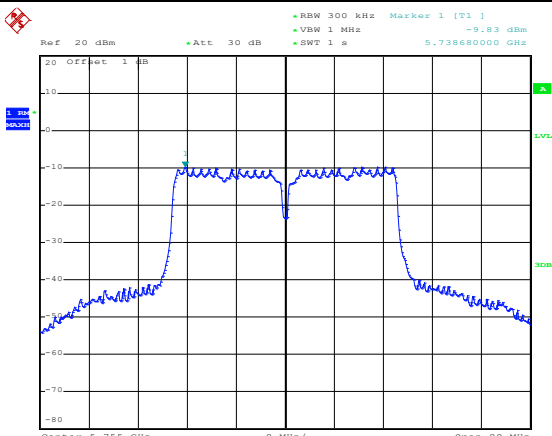
802.11ac-VHT80-Low	 Date: 15.AUG.2024 14:15:04
802.11ac-VHT80-High	 Date: 15.AUG.2024 14:15:24

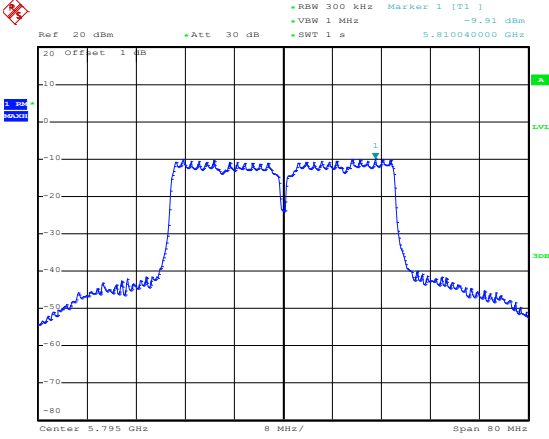
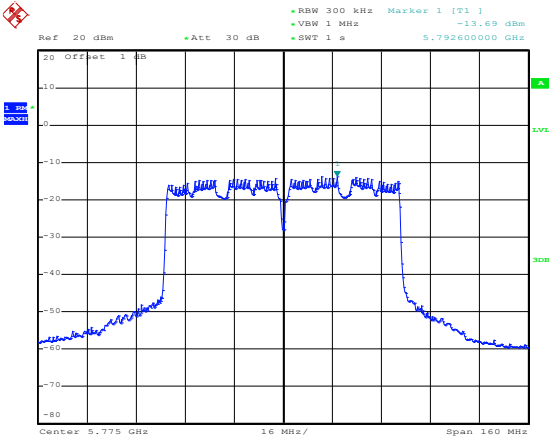
5725-5850MHz

802.11a-Low	Date: 15.AUG.2024 14:10:28
802.11a-Middle	Date: 15.AUG.2024 14:10:46
802.11a-High	Date: 15.AUG.2024 14:11:04

802.11n-HT20-Low	 Ref 20 dBm Att 30 dB RBW 300 kHz Marker 1 [T1] -6.00 dBm VBW 1 MHz SWT 1 s 5.752520000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:11:37
802.11n-HT20-Middle	 Ref 20 dBm Att 30 dB RBW 300 kHz Marker 1 [T1] -6.09 dBm VBW 1 MHz SWT 1 s 5.792520000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:11:55
802.11n-HT20-High	 Ref 20 dBm Att 30 dB RBW 300 kHz Marker 1 [T1] -5.98 dBm VBW 1 MHz SWT 1 s 5.817560000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:12:11

802.11n-HT40-Low	 Date: 15.AUG.2024 14:12:55
802.11n-HT40-High	 Date: 15.AUG.2024 14:13:15
802.11ac-VHT20-Low	 Date: 24.AUG.2024 11:14:30

802.11ac-VHT20-Middle	 Date: 24.AUG.2024 11:14:52
802.11ac-VHT20-High	 Date: 24.AUG.2024 11:15:15
802.11ac-VHT40-Low	 Date: 24.AUG.2024 11:13:47

802.11ac-VHT40-High	 Date: 24.AUG.2024 11:13:12
802.11ac-VHT80-Low	 Date: 15.AUG.2024 14:14:12

APPENDIX B

Emission Bandwidth and Occupied Bandwidth

U-NII-1:5150-5250MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5180	26.04	17.28	Pass
	5200	25.20	17.28	Pass
	5240	25.44	17.12	Pass
802.11n-HT20	5180	26.88	18.16	Pass
	5200	26.28	18.00	Pass
	5240	27.36	18.00	Pass
802.11n-HT40	5190	43.80	37.44	Pass
	5230	42.80	37.44	Pass
802.11ac-VHT20	5180	27.24	18.16	Pass
	5200	29.40	18.24	Pass
	5240	27.60	18.16	Pass
802.11ac-VHT40	5190	43.80	37.60	Pass
	5230	42.80	37.44	Pass
802.11ac-VHT80	5210	84.60	75.84	Pass

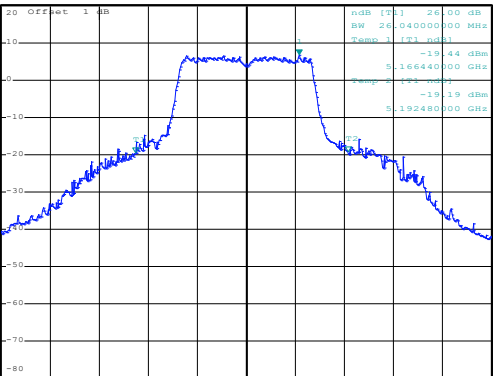
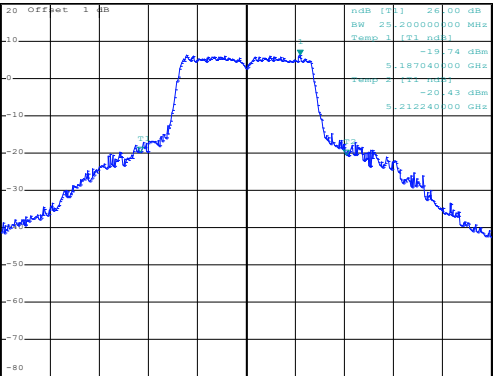
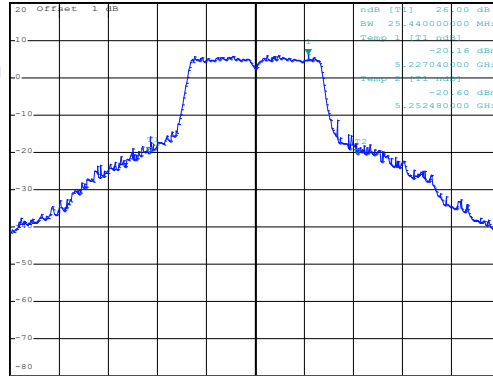
U-NII-2A: 5250-5350MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5260	26.04	17.52	Pass
	5280	26.28	17.28	Pass
	5320	27.36	17.28	Pass
802.11n-HT20	5260	26.76	18.08	Pass
	5280	25.80	18.08	Pass
	5320	26.88	18.08	Pass
802.11n-HT40	5270	44.80	37.60	Pass
	5310	44.60	37.44	Pass
802.11ac-VHT20	5260	25.44	18.16	Pass
	5280	26.40	18.16	Pass
	5320	26.28	18.18	Pass
802.11ac-VHT40	5270	45.40	37.44	Pass
	5310	44.60	37.28	Pass
802.11ac-VHT80	5290	84.96	75.84	Pass

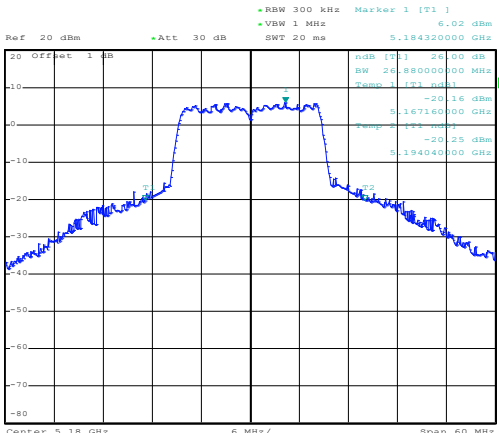
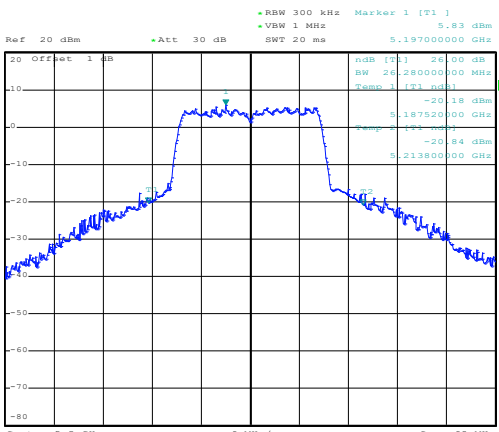
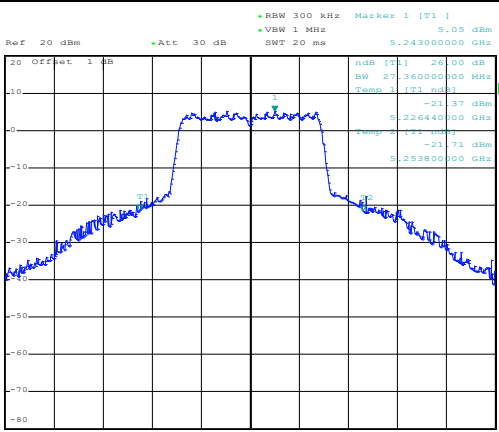
U-NII-2C: 5470-5725MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5500	24.72	17.20	Pass
	5600	25.20	17.12	Pass
	5700	24.24	17.12	Pass
802.11n-HT20	5500	26.76	18.08	Pass
	5600	27.00	18.08	Pass
	5700	26.16	18.00	Pass
802.11n-HT40	5510	43.20	37.44	Pass
	5590	44.20	37.28	Pass
	5670	43.20	37.28	Pass
802.11ac-VHT20	5500	28.56	18.08	Pass
	5600	26.40	18.16	Pass
	5700	27.24	18.08	Pass
802.11ac-VHT40	5510	41.60	37.44	Pass
	5590	42.00	37.28	Pass
	5670	47.00	37.44	Pass
802.11ac-VHT80	5530	85.32	75.84	Pass
	5610	84.60	75.52	Pass

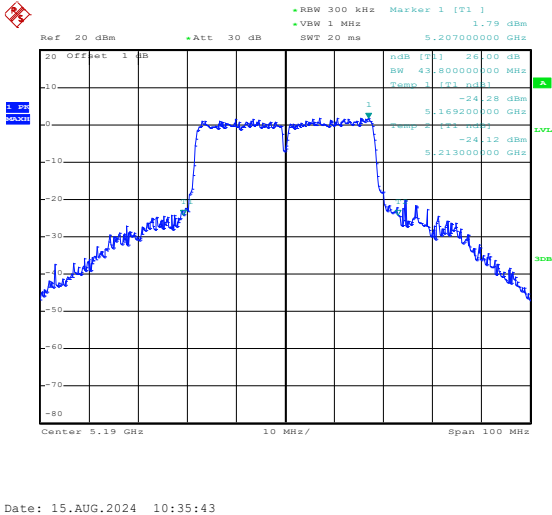
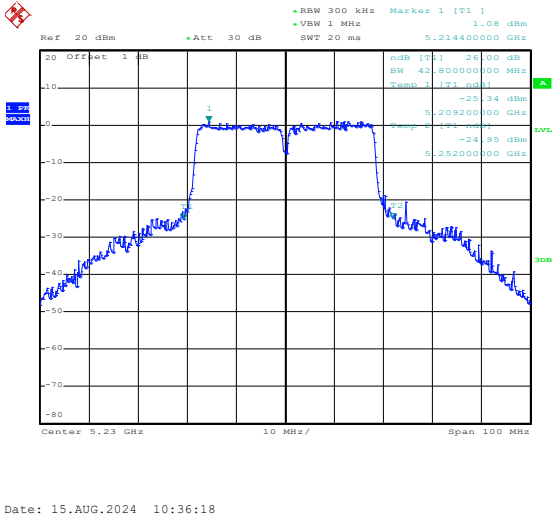
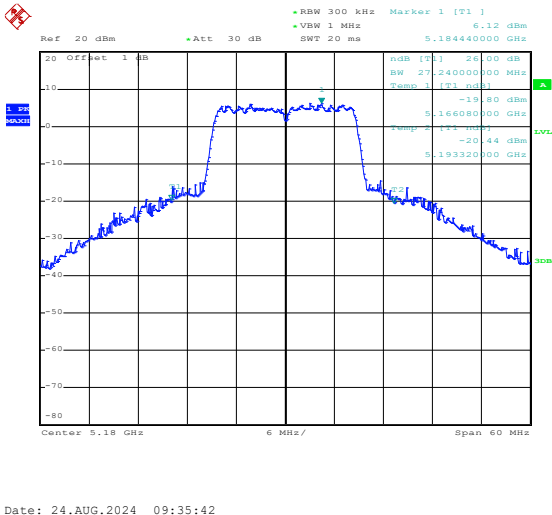
U-NII-3: 5725-5850MHz				
Test Mode	Test Channel MHz	6 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5745	16.48	17.12	≥500
	5785	16.48	17.12	≥500
	5825	16.48	17.12	≥500
802.11n-HT20	5745	17.60	18.08	≥500
	5785	17.68	18.16	≥500
	5825	17.68	18.08	≥500
802.11n-HT40	5755	36.48	37.44	≥500
	5795	36.32	37.28	≥500
802.11ac-VHT20	5745	17.68	18.16	≥500
	5785	17.60	18.16	≥500
	5825	17.68	18.16	≥500
802.11ac-VHT40	5755	36.64	37.28	≥500
	5795	36.64	37.44	≥500
802.11ac-VHT80	5775	76.16	75.84	≥500

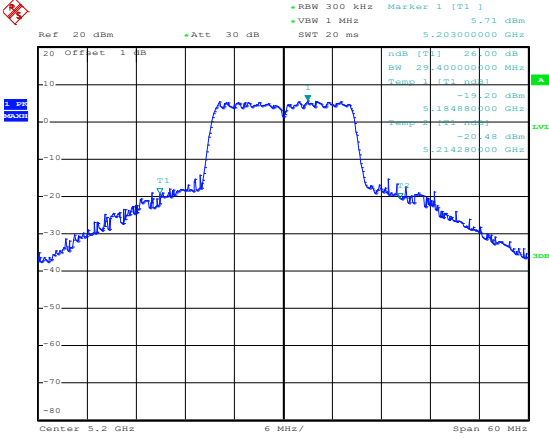
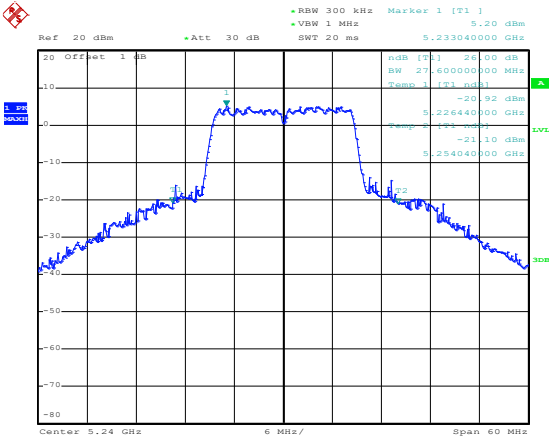
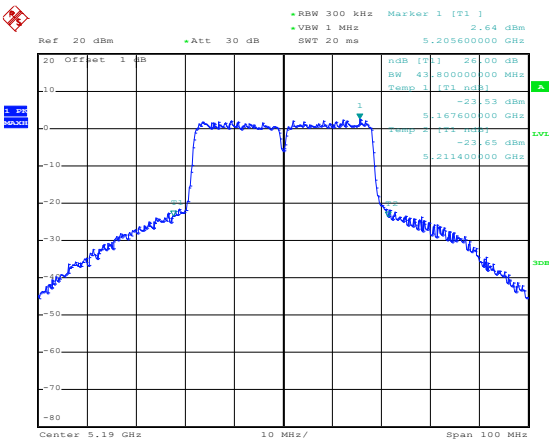
Reference No.: WTF24X08182130W003

26 dB BandwidthMHz
5150-5250MHz

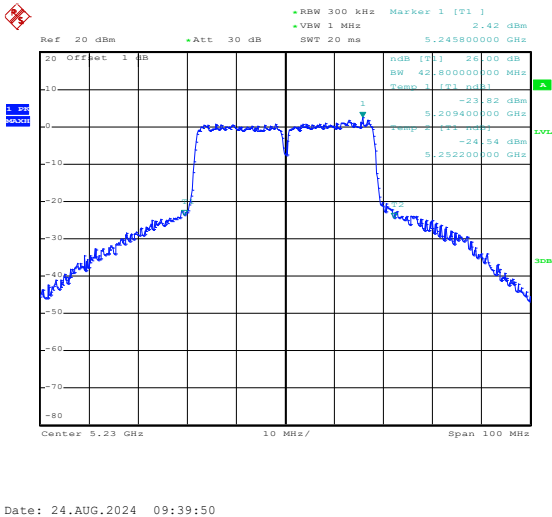
802.11a-Low	 Ref 20 dBm Att 30 dB RBW 300 kHz VBW 1 MHz Span 60 MHz Center 5.18 GHz 6 MHz/ Marker 1 [T1] 5.186480000 GHz -6.75 dBm dB [T1] 26.00 dB BW 25.040000000 MHz Temp 1 [T1] dBm -19.44 dBm 5.166440000 GHz LVL -19.19 dBm 5.192480000 GHz 30B Date: 15.AUG.2024 10:31:48
802.11a-Middle	 Ref 20 dBm Att 30 dB RBW 300 kHz VBW 1 MHz Span 60 MHz Center 5.2 GHz 6 MHz/ Marker 1 [T1] 5.206600000 GHz -6.27 dBm dB [T1] 26.00 dB BW 25.200000000 MHz Temp 1 [T1] dBm -19.74 dBm 5.187040000 GHz LVL -20.43 dBm 5.212240000 GHz 30B Date: 15.AUG.2024 10:32:24
802.11a-High	 Ref 20 dBm Att 30 dB RBW 300 kHz VBW 1 MHz Span 60 MHz Center 5.24 GHz 6 MHz/ Marker 1 [T1] 5.246480000 GHz -6.21 dBm dB [T1] 26.00 dB BW 25.440000000 MHz Temp 1 [T1] dBm -20.16 dBm 5.227040000 GHz LVL -20.50 dBm 5.252480000 GHz 30B Date: 15.AUG.2024 10:33:22

802.11n-HT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.02 dBm +VSW 1 MHz SWT 20 ms 5.184320000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 26.88000000 MHz Temp 1 [T1] n dB -20.16 dBm 5.167160000 GHz -20.25 dBm 5.194000000 GHz Center 5.18 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 10:34:05
802.11n-HT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.83 dBm +VSW 1 MHz SWT 20 ms 5.197000000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 26.88000000 MHz Temp 1 [T1] n dB -20.18 dBm 5.187520000 GHz -20.84 dBm 5.213800000 GHz Center 5.2 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 10:34:33
802.11n-HT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.05 dBm +VSW 1 MHz SWT 20 ms 5.243000000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 27.36000000 MHz Temp 1 [T1] n dB -21.37 dBm 5.226440000 GHz -21.71 dBm 5.253800000 GHz Center 5.24 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 10:35:03

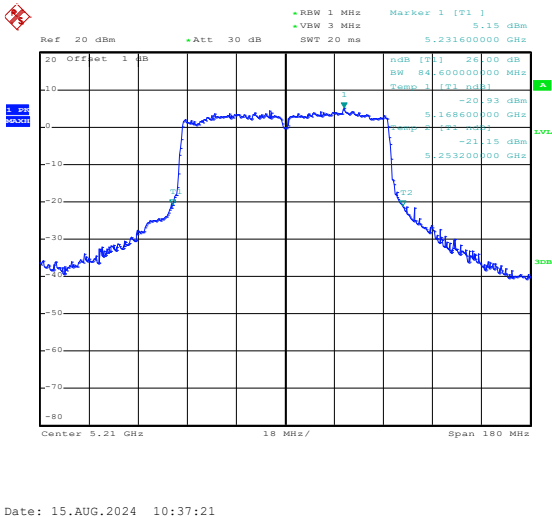
802.11n-HT40-Low	 Date: 15.AUG.2024 10:35:43
802.11n-HT40-High	 Date: 15.AUG.2024 10:36:18
802.11ac-VHT20-Low	 Date: 24.AUG.2024 09:35:42

802.11ac-VHT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.71 dBm VBW 1 MHz SW 20 ms 5.203000000 GHz 20 Offset 1 dB nBW [T1] 20.00 dB BW 29.400000000 MHz Temp 1 [T1] nBW -19.20 dBm 5.184880000 GHz -20.48 dBm 5.214280000 GHz Center 5.2 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 09:36:42
802.11ac-VHT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.20 dBm VBW 1 MHz SW 20 ms 5.233040000 GHz 20 Offset 1 dB nBW [T1] 20.00 dB BW 27.600000000 MHz Temp 1 [T1] nBW -20.92 dBm 5.226440000 GHz -21.10 dBm 5.254040000 GHz Center 5.24 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 09:37:36
802.11ac-VHT40-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 2.64 dBm VBW 1 MHz SW 20 ms 5.205600000 GHz 20 Offset 1 dB nBW [T1] 20.00 dB BW 43.800000000 MHz Temp 1 [T1] nBW -23.53 dBm 5.167600000 GHz -23.65 dBm 5.211400000 GHz Center 5.19 GHz 10 MHz/ Span 100 MHz Date: 24.AUG.2024 09:38:59

802.11ac-VHT40-High

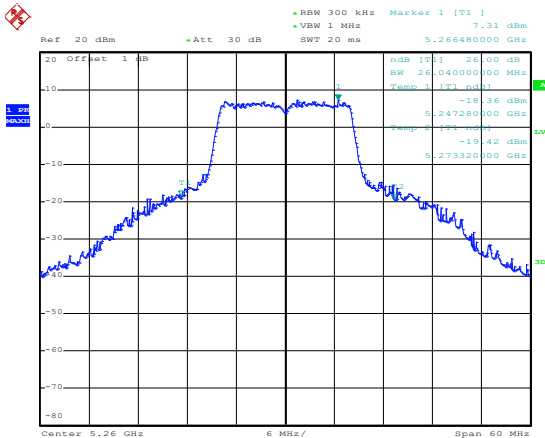


802.11ac-VHT80-Low



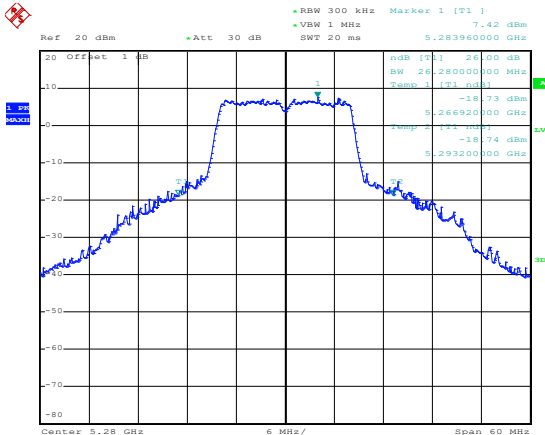
26 dB BandwidthMHz
5250-5350MHz

802.11a-Low



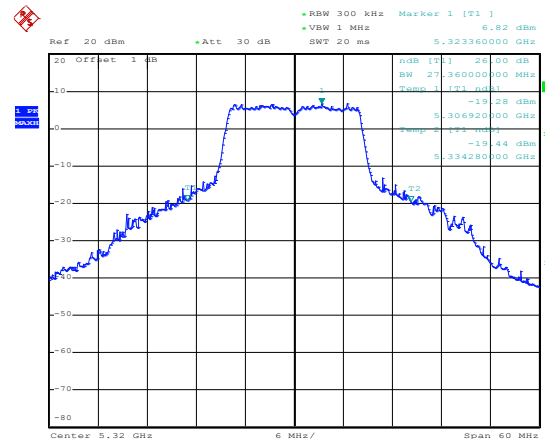
Date: 15.AUG.2024 11:22:36

802.11a-Middle

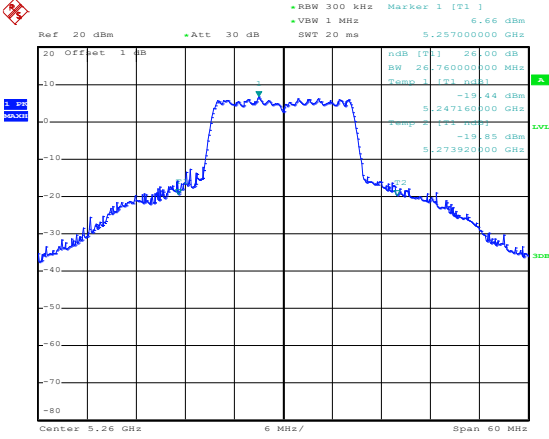
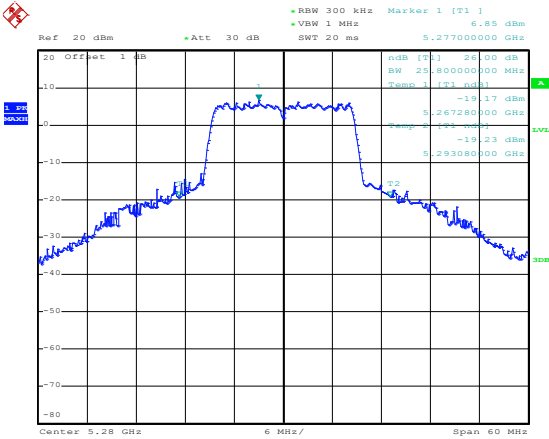
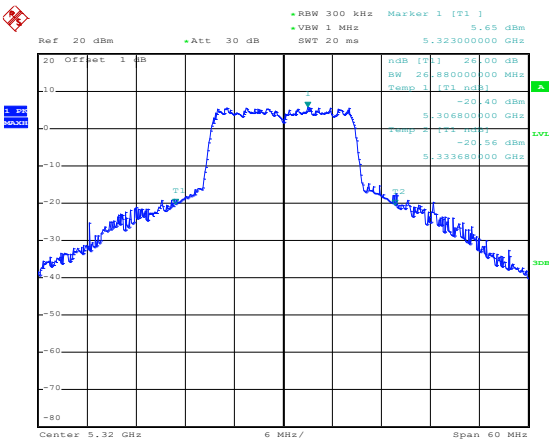


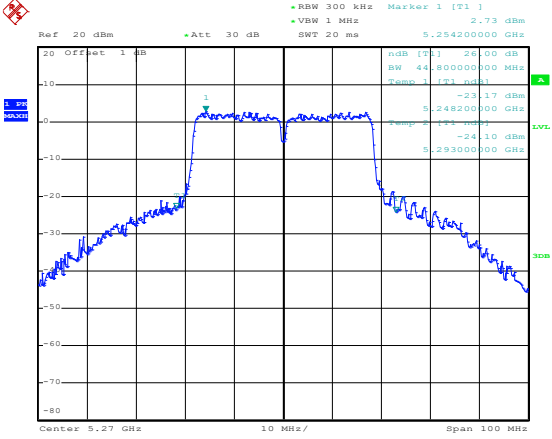
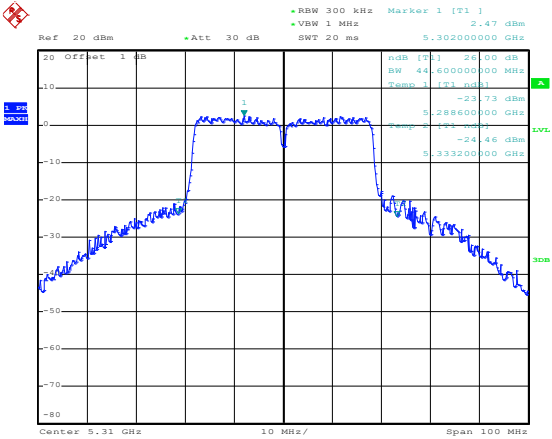
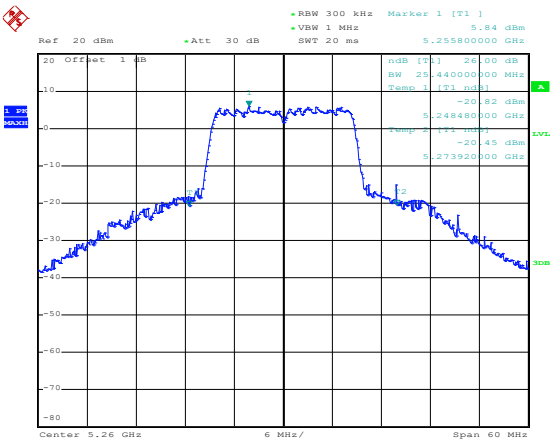
Date: 15.AUG.2024 11:23:40

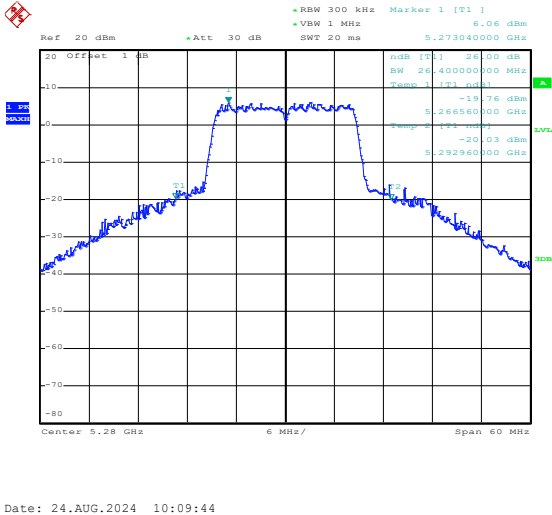
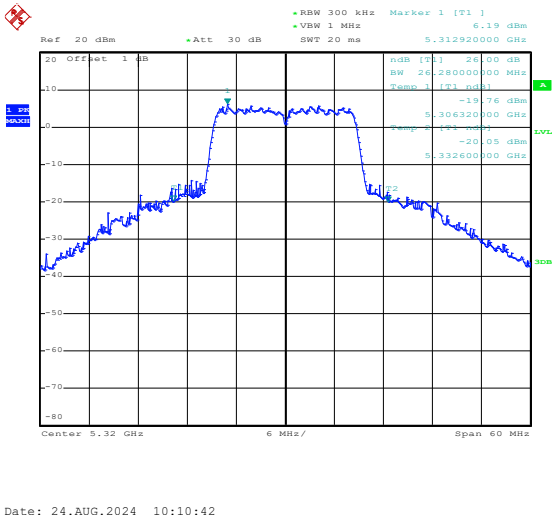
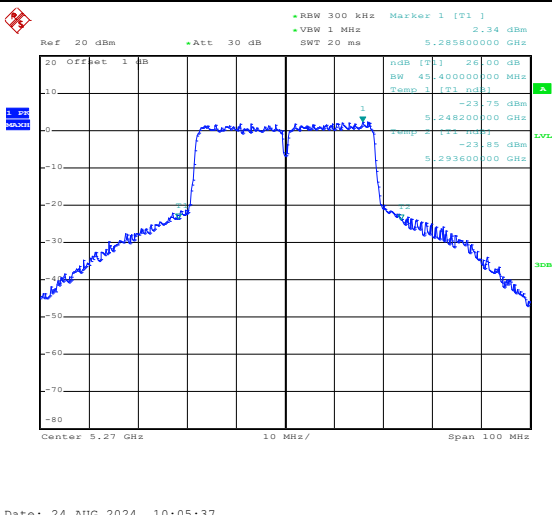
802.11a-High



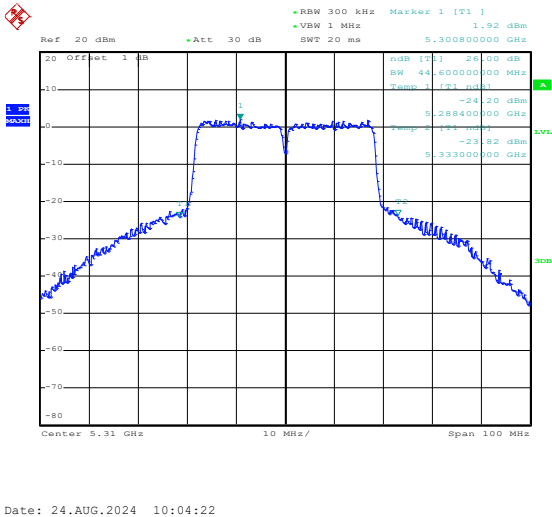
Date: 15.AUG.2024 11:25:02

802.11n-HT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.66 dBm VSW 1 MHz SWT 20 ms 5.257000000 GHz ndB [T1] -26.00 dB BW 26.760000000 MHz Temp 1 [T1] ndB -19.44 dBm 5.247160000 GHz -19.85 dBm 5.273820000 GHz Center 5.26 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 11:27:51
802.11n-HT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.85 dBm VSW 1 MHz SWT 20 ms 5.277000000 GHz ndB [T1] -26.00 dB BW 25.800000000 MHz Temp 1 [T1] ndB -19.17 dBm 5.267280000 GHz -19.23 dBm 5.293080000 GHz Center 5.28 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 11:28:41
802.11n-HT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.65 dBm VSW 1 MHz SWT 20 ms 5.323000000 GHz ndB [T1] -26.00 dB BW 26.880000000 MHz Temp 1 [T1] ndB -20.40 dBm 5.306800000 GHz -20.56 dBm 5.333680000 GHz Center 5.32 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 11:29:06

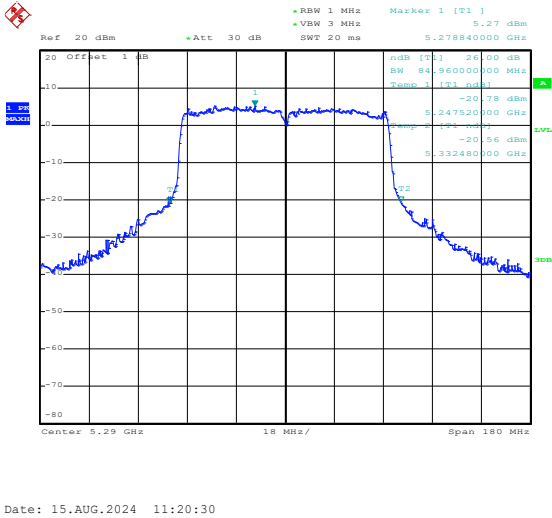
802.11n-HT40-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 2.73 dBm VSW 1 MHz SWT 20 ms 5.254200000 GHz 1 -23.17 dBm 5.248200000 GHz -24.10 dBm 5.293000000 GHz Center 5.27 GHz 10 MHz/ Span 100 MHz Date: 15.AUG.2024 11:33:12
802.11n-HT40-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 2.47 dBm VSW 1 MHz SWT 20 ms 5.302000000 GHz 1 -23.73 dBm 5.288600000 GHz -24.46 dBm 5.333200000 GHz Center 5.31 GHz 10 MHz/ Span 100 MHz Date: 15.AUG.2024 11:36:26
802.11ac-VHT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.84 dBm VSW 1 MHz SWT 20 ms 5.255800000 GHz 1 -20.82 dBm 5.248480000 GHz -20.45 dBm 5.273920000 GHz Center 5.26 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 10:09:00

802.11ac-VHT20-Middle	
802.11ac-VHT20-High	
802.11ac-VHT40-Low	

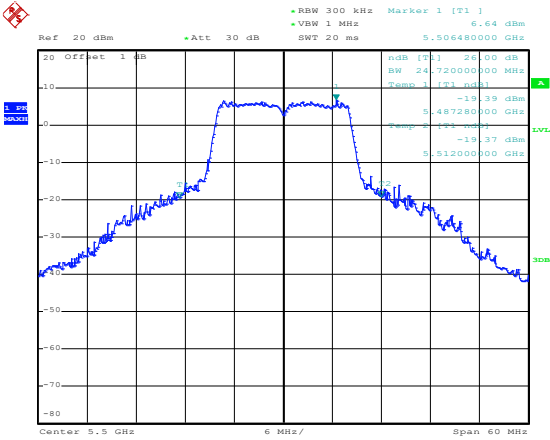
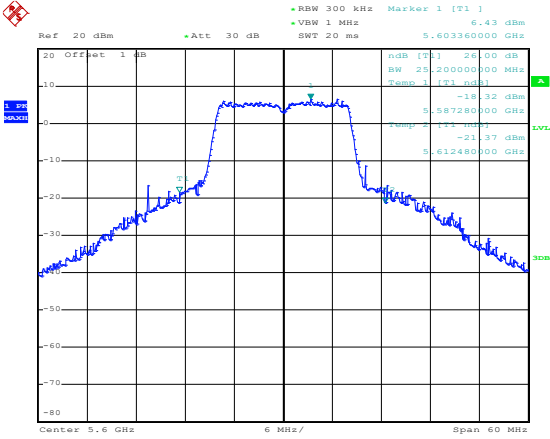
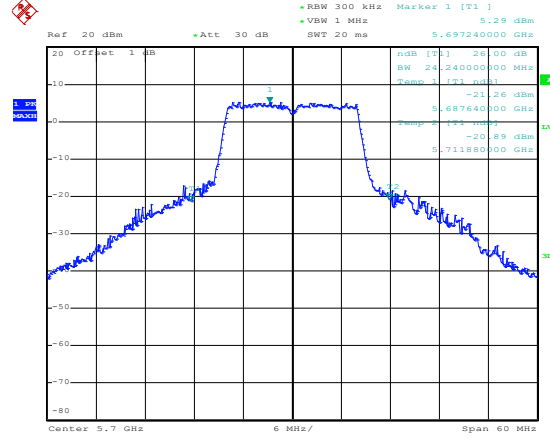
802.11ac-VHT40-High

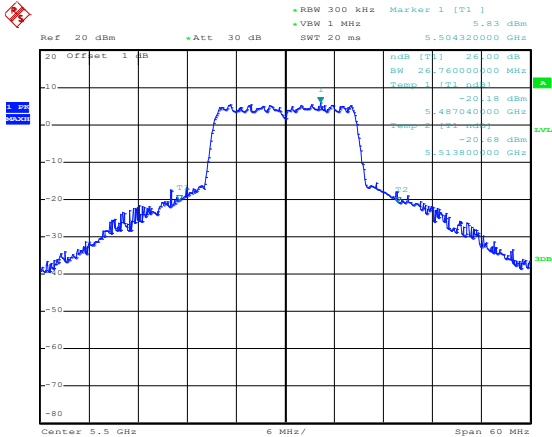
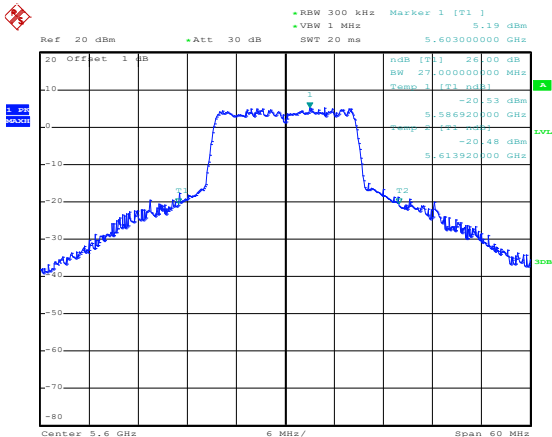
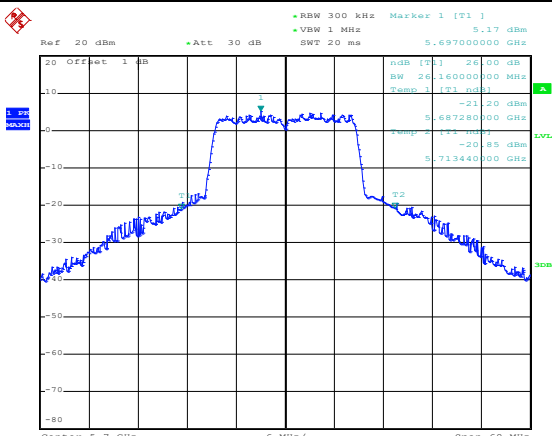


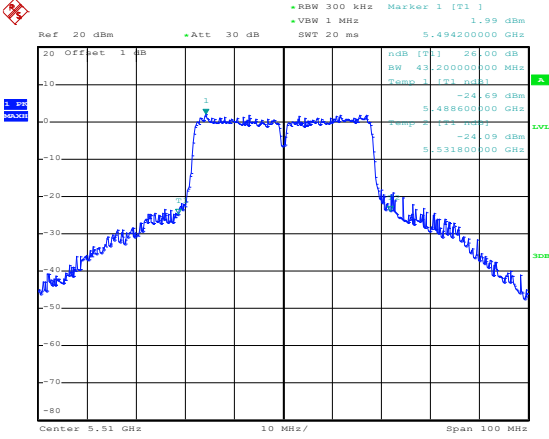
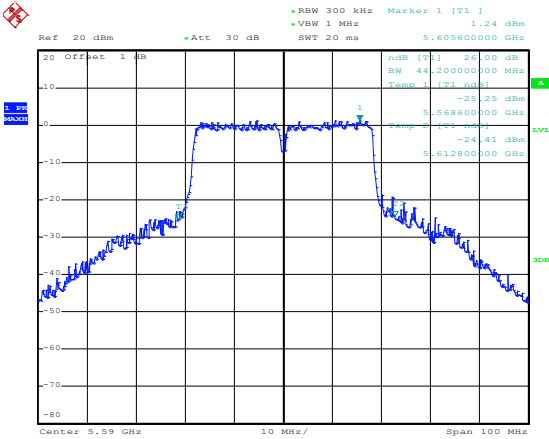
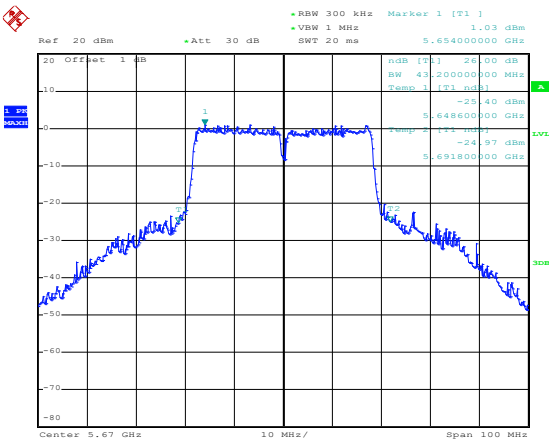
802.11ac-VHT80-Low

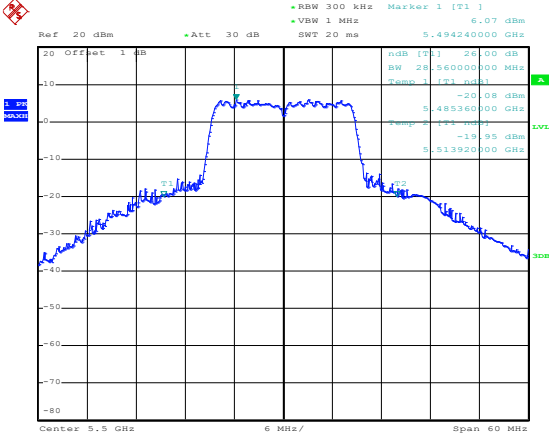
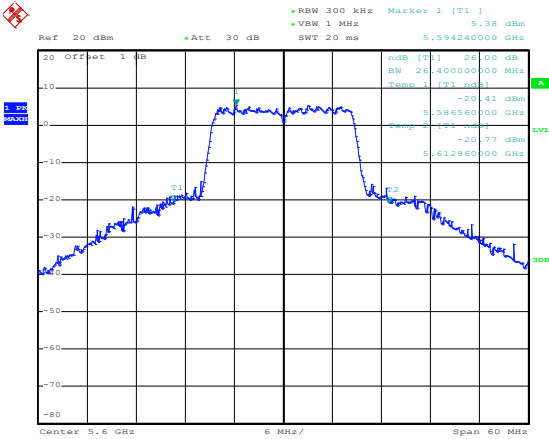
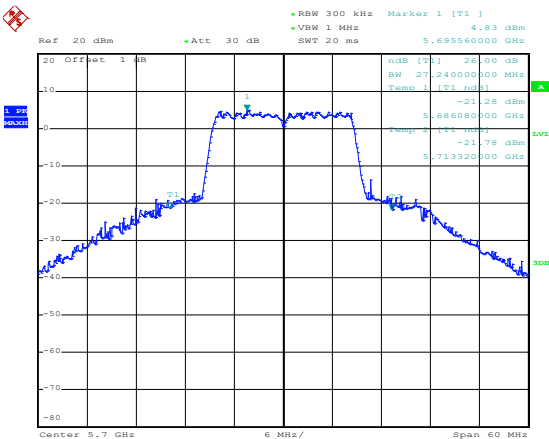


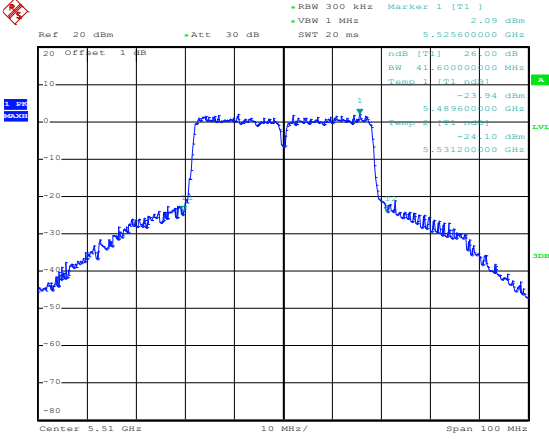
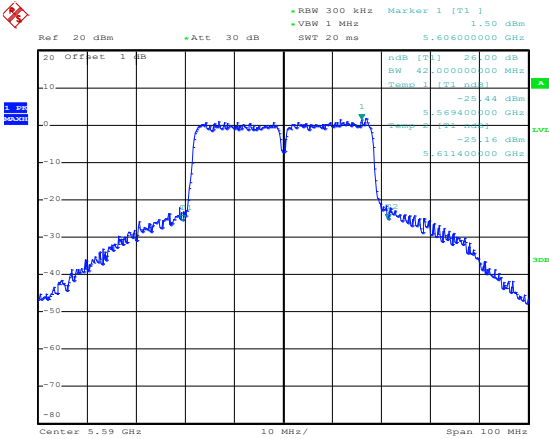
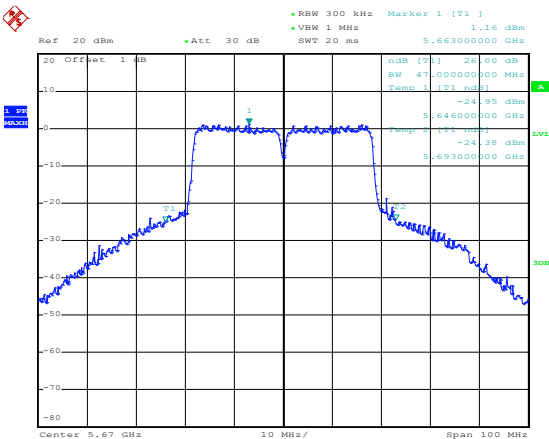
26 dB BandwidthMHz
5470-5725MHz

802.11a-Low	 Ref 20 dBm +Att 30 dB SWT 20 ms RBW 300 kHz Marker 1 [T1] 5.506480000 GHz 6.64 dBm VBW 1 MHz Offset 1 dB dBm [T1] 26.00 dBm BW 24.720000000 MHz Temp 1 [T1] 0.00 dBm 5.487280000 GHz -19.39 dBm 5.512000000 GHz -19.37 dBm Center 5.5 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:42:22
802.11a-Middle	 Ref 20 dBm +Att 30 dB SWT 20 ms RBW 300 kHz Marker 1 [T1] 5.603360000 GHz 6.43 dBm VBW 1 MHz Offset 1 dB dBm [T1] 26.00 dBm BW 25.200000000 MHz Temp 1 [T1] 0.00 dBm 5.603360000 GHz -18.32 dBm 5.612480000 GHz -21.37 dBm Center 5.6 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:42:56
802.11a-High	 Ref 20 dBm +Att 30 dB SWT 20 ms RBW 300 kHz Marker 1 [T1] 5.697240000 GHz 5.29 dBm VBW 1 MHz Offset 1 dB dBm [T1] 26.00 dBm BW 24.240000000 MHz Temp 1 [T1] 0.00 dBm 5.697240000 GHz -21.26 dBm 5.711880000 GHz -20.89 dBm Center 5.7 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:43:30

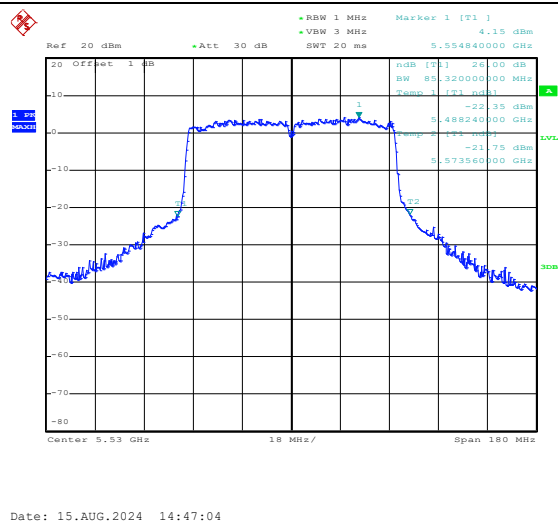
802.11n-HT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.83 dBm VSW 1 MHz SW 20 ms 5.504320000 GHz 20 Offset 1 dB nB [T1] 26.00 dB BW 26.760000000 MHz Temp 1 [T1] nB -20.18 dBm 5.487040000 GHz -20.68 dBm 5.513800000 GHz Center 5.5 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:44:05
802.11n-HT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.19 dBm VSW 1 MHz SW 20 ms 5.603000000 GHz 20 Offset 1 dB nB [T1] 26.00 dB BW 27.000000000 MHz Temp 1 [T1] nB -20.53 dBm 5.586920000 GHz -20.48 dBm 5.613920000 GHz Center 5.6 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:44:30
802.11n-HT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.17 dBm VSW 1 MHz SW 20 ms 5.697000000 GHz 20 Offset 1 dB nB [T1] 26.00 dB BW 26.160000000 MHz Temp 1 [T1] nB -21.20 dBm 5.687280000 GHz -20.85 dBm 5.713440000 GHz Center 5.7 GHz 6 MHz/ Span 60 MHz Date: 15.AUG.2024 14:44:52

802.11n-HT40-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 1.99 dBm VSW 1 MHz SWT 20 ms 5.494200000 GHz 20 Offset 1 dB nBW [T1] 26.00 dB BW 43.200000000 MHz Temp 1 [T1] nBW -24.69 dBm 5.488600000 GHz -24.09 dBm 5.521800000 GHz Center 5.51 GHz 10 MHz/ Span 100 MHz Date: 15.AUG.2024 14:45:37
802.11n-HT40- Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 1.24 dBm VSW 1 MHz SWT 20 ms 5.605600000 GHz 20 Offset 1 dB nBW [T1] 26.00 dB BW 44.200000000 MHz Temp 1 [T1] nBW -25.25 dBm 5.568600000 GHz -24.41 dBm 5.612800000 GHz Center 5.59 GHz 10 MHz/ Span 100 MHz Date: 15.AUG.2024 14:46:03
802.11n-HT40-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 1.03 dBm VSW 1 MHz SWT 20 ms 5.654000000 GHz 20 Offset 1 dB nBW [T1] 26.00 dB BW 43.200000000 MHz Temp 1 [T1] nBW -25.40 dBm 5.648600000 GHz -24.97 dBm 5.659180000 GHz Center 5.67 GHz 10 MHz/ Span 100 MHz Date: 15.AUG.2024 14:46:23

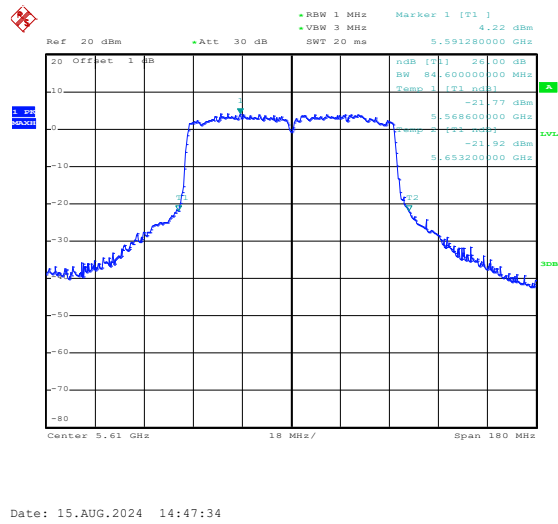
802.11ac-VHT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.07 dBm VBW 1 MHz SWT 20 ms 5.494240000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 28.56000000 MHz Temp 1 [T1] n dB -20.08 dBm 5.485360000 GHz -19.95 dBm 5.513920000 GHz Center 5.5 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 11:05:21
802.11ac-VHT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.38 dBm VBW 1 MHz SWT 20 ms 5.594240000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 26.40000000 MHz Temp 1 [T1] n dB -20.41 dBm 5.586560000 GHz -20.77 dBm 5.612960000 GHz Center 5.6 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 11:06:09
802.11ac-VHT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 4.83 dBm VBW 1 MHz SWT 20 ms 5.695560000 GHz 20 Offset 1 dB n dB [T1] 20.00 dB BW 27.24000000 MHz Temp 1 [T1] n dB -21.28 dBm 5.686080000 GHz -21.78 dBm 5.713320000 GHz Center 5.7 GHz 6 MHz/ Span 60 MHz Date: 24.AUG.2024 11:07:11

802.11ac-VHT40-Low	 Date: 24.AUG.2024 11:02:36
802.11ac-VHT40-Middle	 Date: 24.AUG.2024 11:01:56
802.11ac-VHT40-High	 Date: 24.AUG.2024 11:01:21

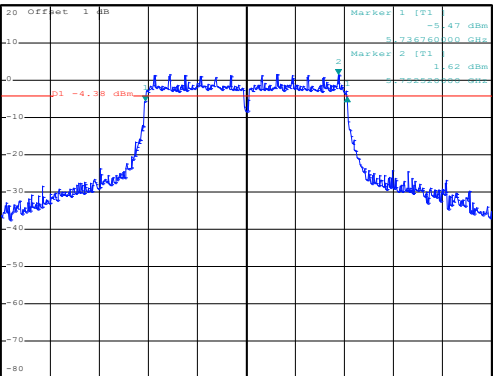
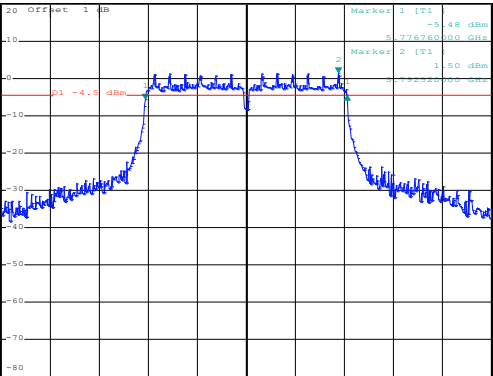
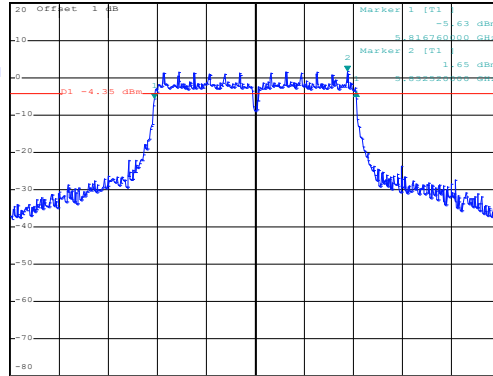
802.11ac-VHT80-Low

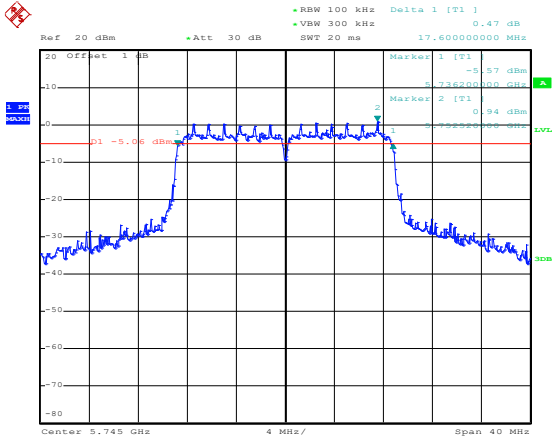
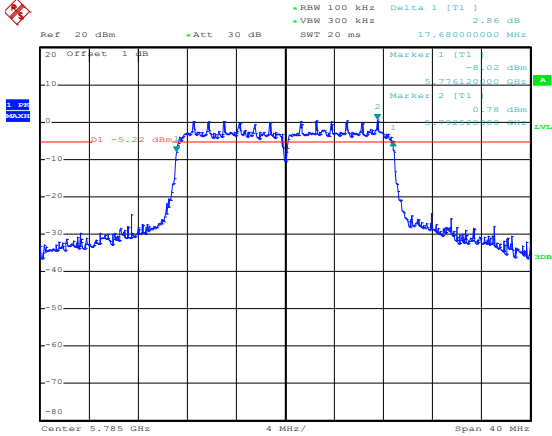
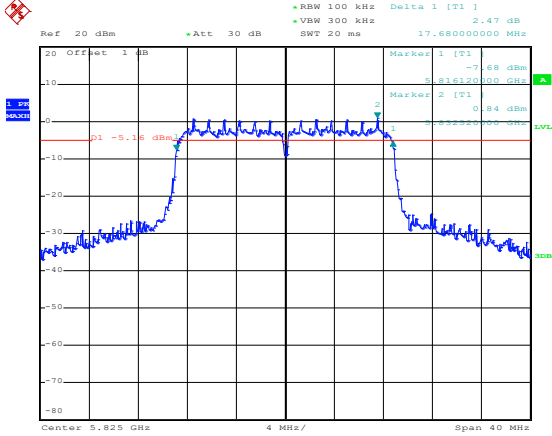


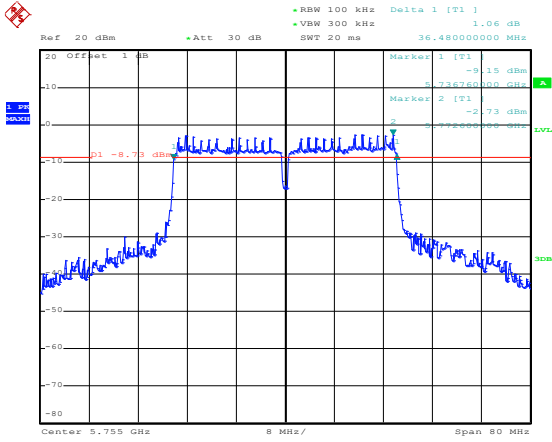
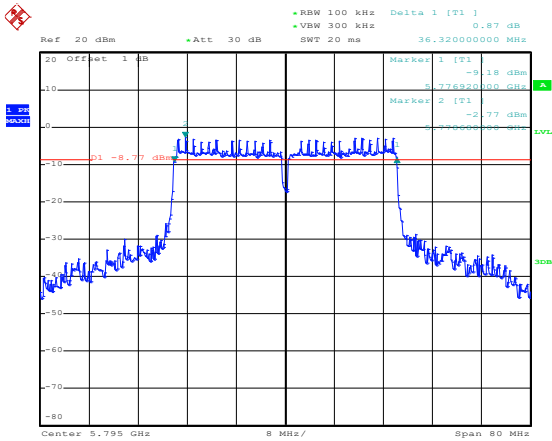
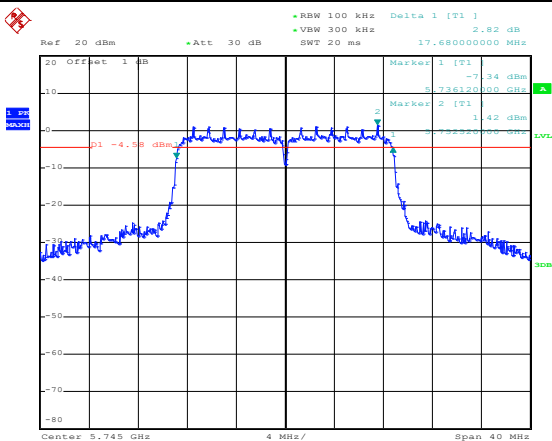
802.11ac-VHT80-High

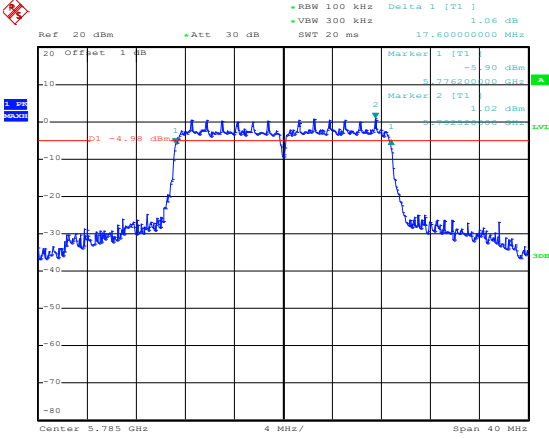
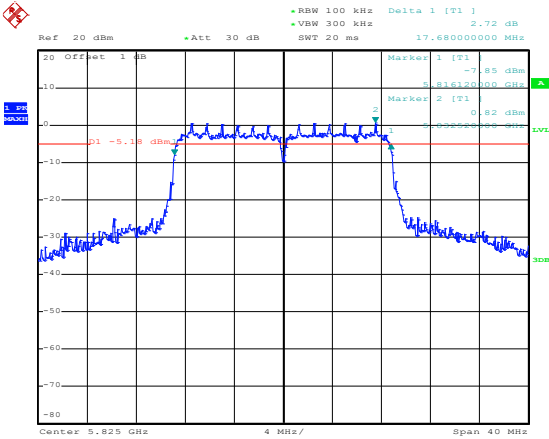
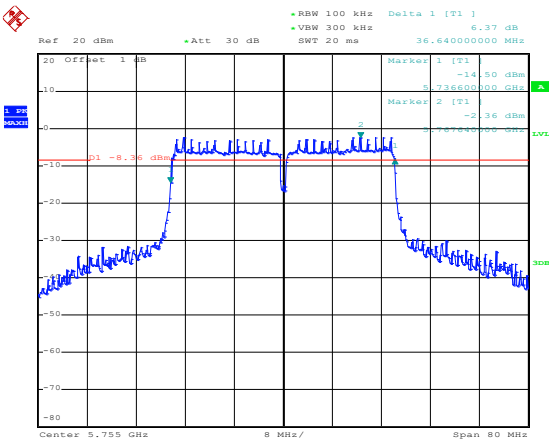


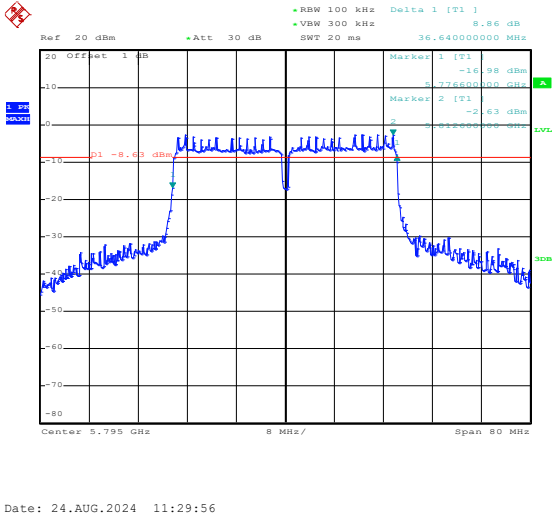
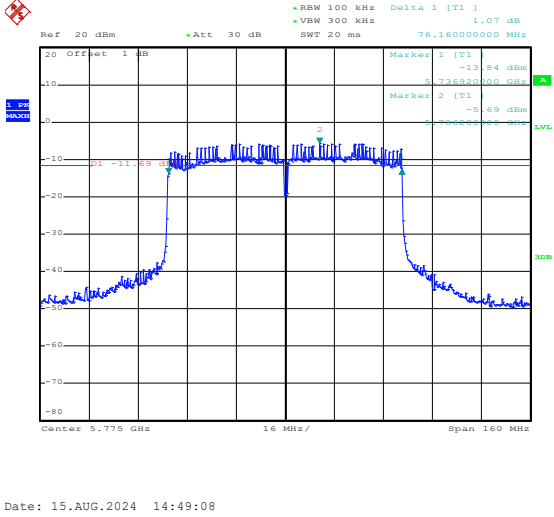
6 dB dB BandwidthMHz
5725-5850MHz

802.11a-Low	 Ref 20 dBm +Att 30 dB RBW 100 kHz Delta 1 [T1] 0.87 dB VBW 300 kHz SWT 20 ms 16.480000000 MHz Marker 1 [T1] -5.47 dBm 5.736760000 GHz Marker 2 [T1] 1.62 dBm 5.850000000 GHz Offset 1 dB Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:50:36
802.11a-Middle	 Ref 20 dBm +Att 30 dB RBW 100 kHz Delta 1 [T1] 1.01 dB VBW 300 kHz SWT 20 ms 16.480000000 MHz Marker 1 [T1] -5.48 dBm 5.776760000 GHz Marker 2 [T1] 1.50 dBm 5.850000000 GHz Offset 1 dB Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:51:22
802.11a-High	 Ref 20 dBm +Att 30 dB RBW 100 kHz Delta 1 [T1] 1.84 dB VBW 300 kHz SWT 20 ms 16.480000000 MHz Marker 1 [T1] -5.63 dBm 5.816760000 GHz Marker 2 [T1] 1.65 dBm 5.850000000 GHz Offset 1 dB Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 15.AUG.2024 14:52:01

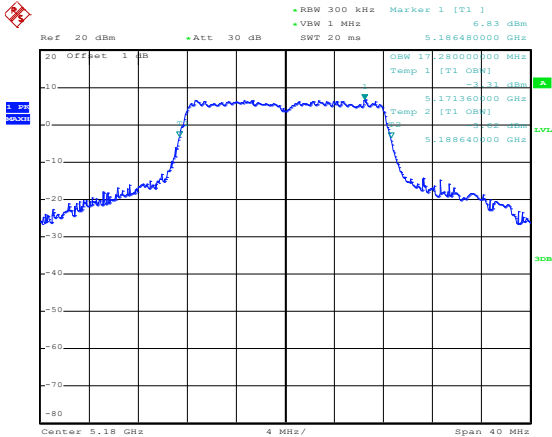
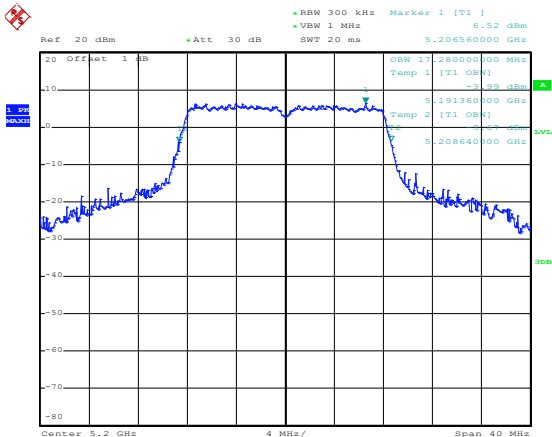
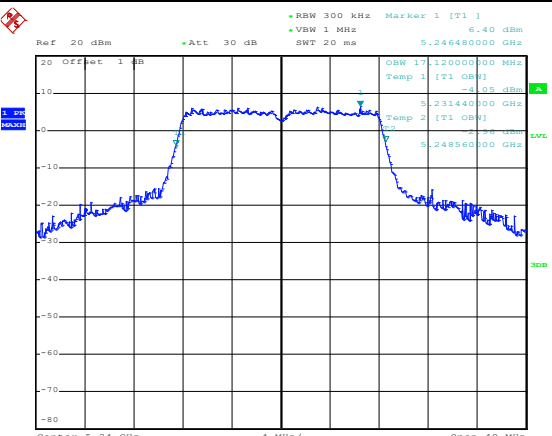
802.11n-HT20-Low	 Date: 15.AUG.2024 14:52:53
802.11n-HT20-Middle	 Date: 15.AUG.2024 14:53:42
802.11n-HT20-High	 Date: 15.AUG.2024 14:54:34

802.11n-HT40-Low	 Ref 20 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] 1.06 dB VBW 300 kHz SWT 20 ms 36.48000000 MHz Marker 1 [T1] -9.15 dBm Marker 2 [T1] -2.73 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 15:01:34
802.11n-HT40-High	 Ref 20 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] 0.87 dB VBW 300 kHz SWT 20 ms 36.32000000 MHz Marker 1 [T1] -9.18 dBm Marker 2 [T1] -2.77 dBm Center 5.795 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 15:02:12
802.11ac-VHT20-Low	 Ref 20 dBm Att 30 dB RBW 100 kHz Delta 1 [T1] 2.82 dB VBW 300 kHz SWT 20 ms 17.68000000 MHz Marker 1 [T1] -7.34 dBm Marker 2 [T1] -1.42 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:25:02

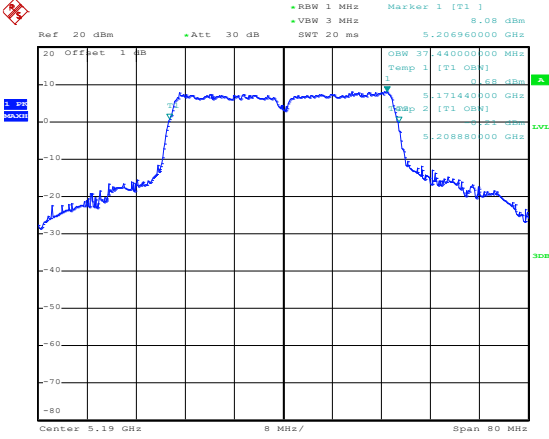
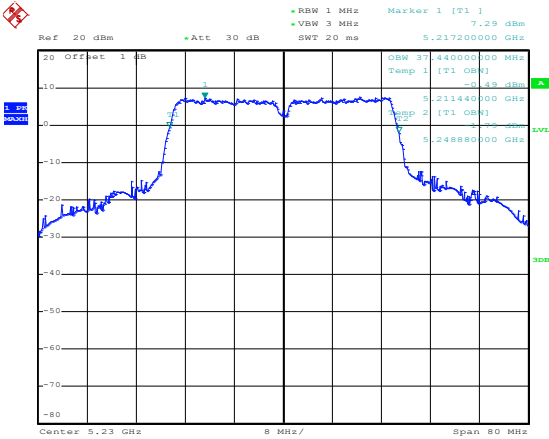
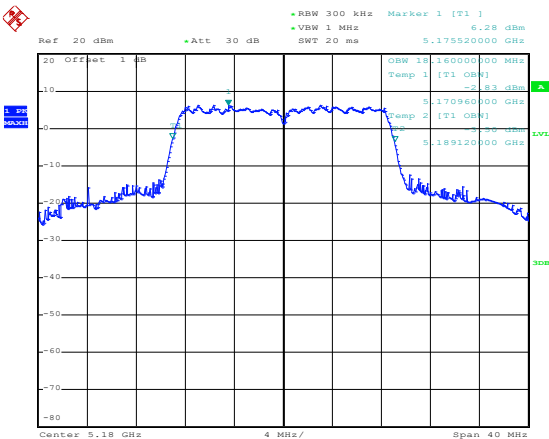
802.11ac-VHT20-Middle	 Ref 20 dBm Att 30 dB RBW 100 kHz VSW 300 kHz Delta 1 [T1] 1.06 dB Marker 1 [T1] -5.90 dBm 5.78500000 GHz Marker 2 [T1] 1.02 dBm 5.78500000 GHz D1 -4.99 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:26:19
802.11ac-VHT20-High	 Ref 20 dBm Att 30 dB RBW 100 kHz VSW 300 kHz Delta 1 [T1] 2.72 dB Marker 1 [T1] -7.85 dBm 5.81500000 GHz Marker 2 [T1] 0.82 dBm 5.81500000 GHz D1 -5.18 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:27:38
802.11ac-VHT40-Low	 Ref 20 dBm Att 30 dB RBW 100 kHz VSW 300 kHz Delta 1 [T1] 6.37 dB Marker 1 [T1] -14.50 dBm 5.73650000 GHz Marker 2 [T1] -2.36 dBm 5.73650000 GHz D1 -6.36 dBm Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 11:28:44

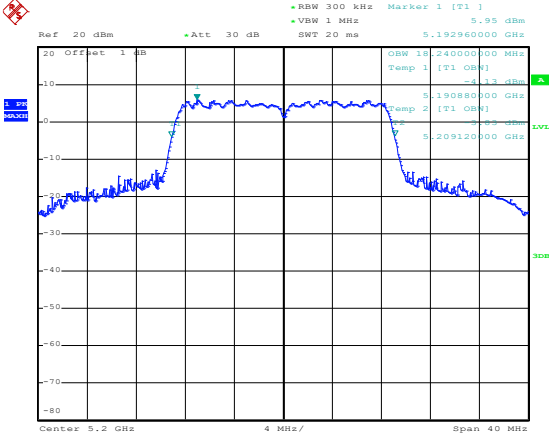
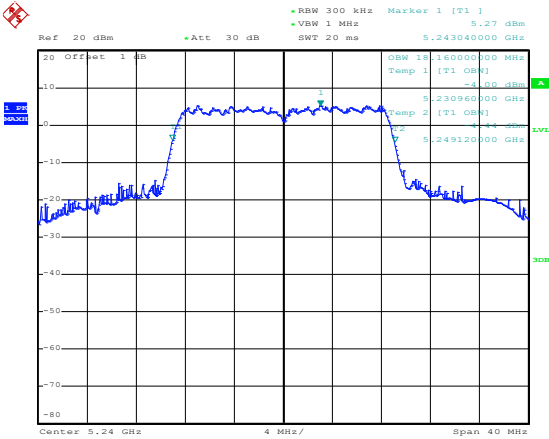
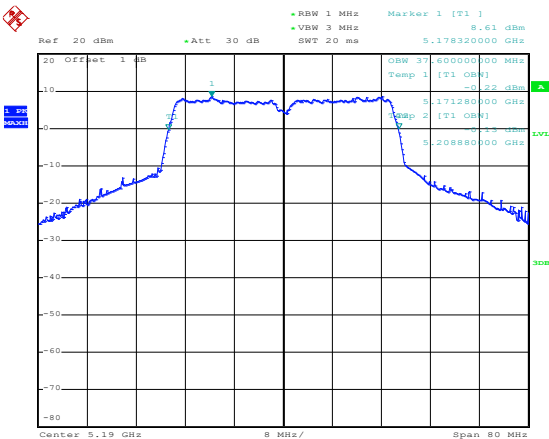
802.11ac-VHT40-High	 Date: 24.AUG.2024 11:29:56
802.11ac-VHT80-Low	 Date: 15.AUG.2024 14:49:08

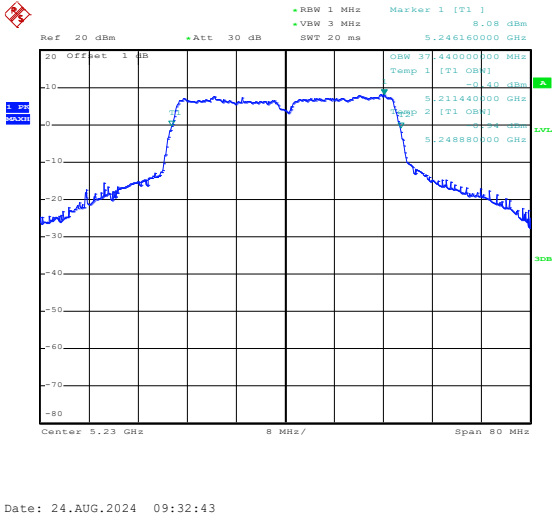
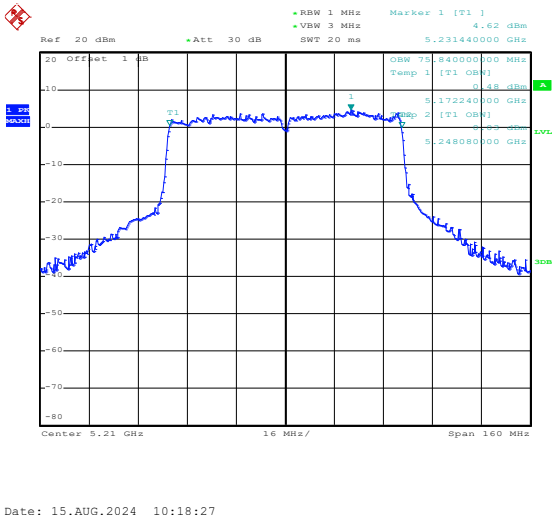
99% dB BandwidthMHz
5150-5250MHz

802.11a-Low	 Date: 15.AUG.2024 10:22:49
802.11a-Middle	 Date: 15.AUG.2024 10:23:25
802.11a-High	 Date: 15.AUG.2024 10:23:57

802.11n-HT20-Low	Date: 15.AUG.2024 10:24:32
802.11n-HT20-Middle	Date: 15.AUG.2024 10:25:02
802.11n-HT20-High	Date: 15.AUG.2024 10:25:30

802.11n-HT40-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz Marker 1 [T1] 8.08 dBm VSW 3 MHz SWT 20 ms 5.206960000 GHz Offset 1 dB OSW 37.44000000 MHz Temp 1 [T1 OSW] -0.48 dBm 5.171440000 GHz Temp 2 [T1 OSW] -0.42 dBm 5.208880000 GHz Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 10:26:21
802.11n-HT40-High	 Ref 20 dBm +Att 30 dB RBW 1 MHz Marker 1 [T1] 7.29 dBm VSW 3 MHz SWT 20 ms 5.217200000 GHz Offset 1 dB OSW 37.44000000 MHz Temp 1 [T1 OSW] -0.48 dBm 5.211440000 GHz Temp 2 [T1 OSW] -0.42 dBm 5.248880000 GHz Center 5.23 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 10:26:48
802.11ac-VHT20-Low	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.28 dBm VSW 1 MHz SWT 20 ms 5.175520000 GHz Offset 1 dB OSW 18.16000000 MHz Temp 1 [T1 OSW] -0.83 dBm 5.170960000 GHz Temp 2 [T1 OSW] -0.40 dBm 5.189120000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 09:23:01

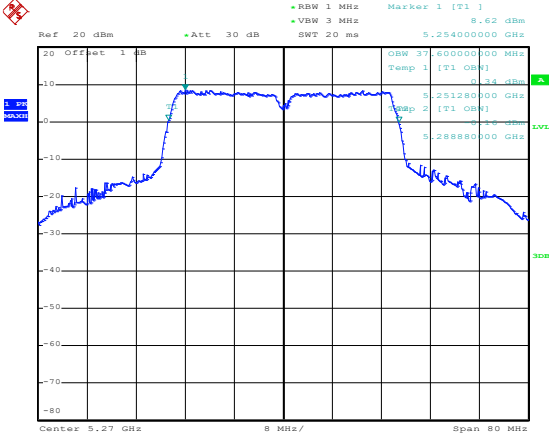
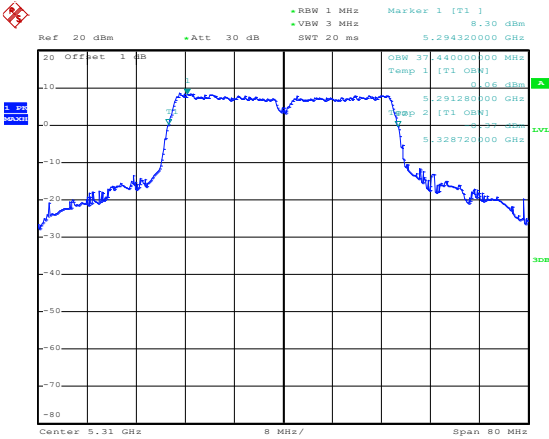
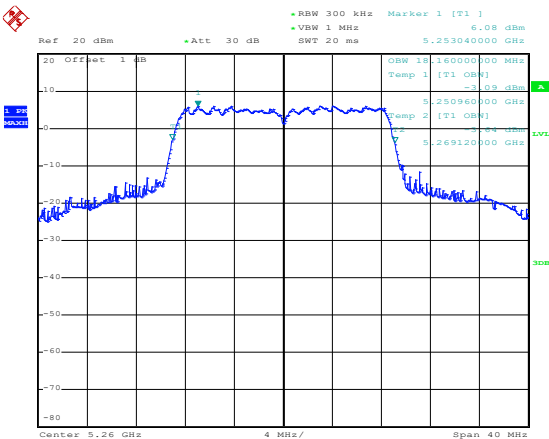
802.11ac-VHT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.95 dBm +VSW 1 MHz SWT 20 ms 5.192960000 GHz Offset 1 dB 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 09:26:41
802.11ac-VHT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.27 dBm +VSW 1 MHz SWT 20 ms 5.243040000 GHz Offset 1 dB 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 09:29:15
802.11ac-VHT40-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz Marker 1 [T1] 8.61 dBm +VSW 3 MHz SWT 20 ms 5.178320000 GHz Offset 1 dB 20 dBm 10 dBm 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 09:31:21

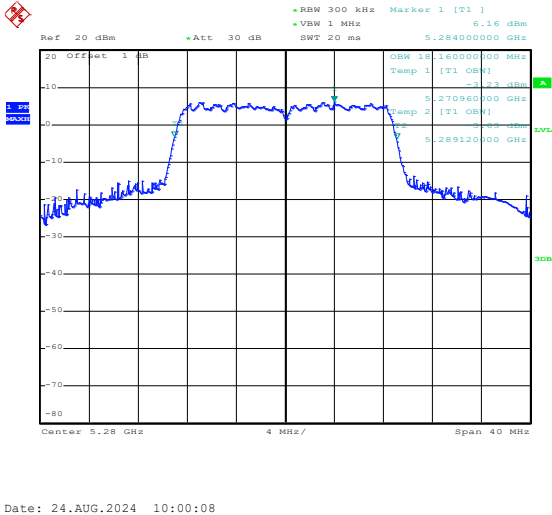
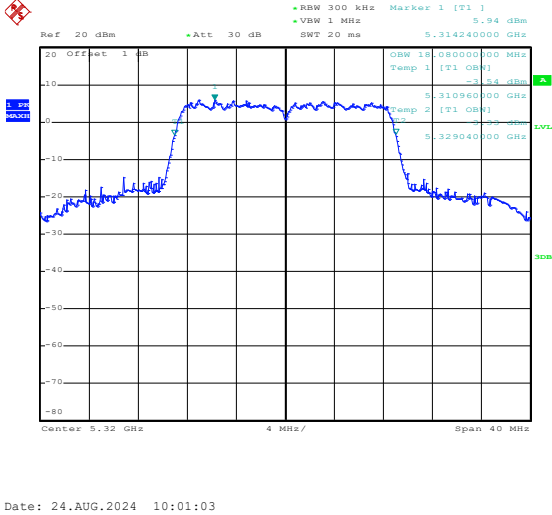
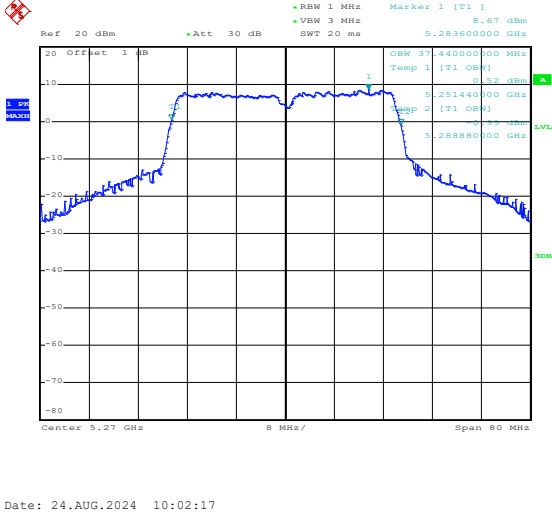
802.11ac-VHT40-High	 Date: 24.AUG.2024 09:32:43
802.11ac-VHT80-Low	 Date: 15.AUG.2024 10:18:27

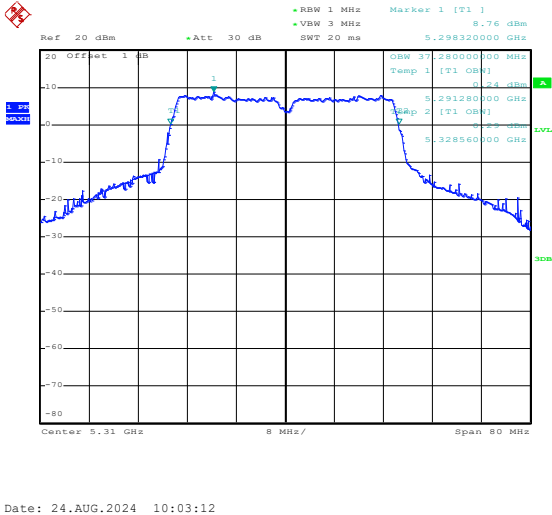
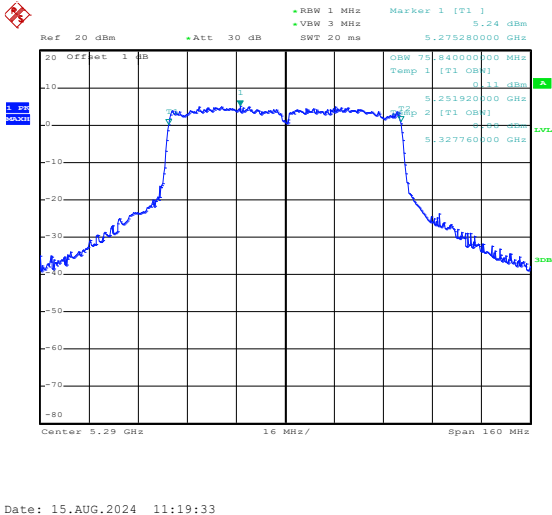
99% dB BandwidthMHz
5250-5350MHz

802.11a-Low	Date: 15.AUG.2024 11:13:00
802.11a-Middle	Date: 15.AUG.2024 11:14:06
802.11a-High	Date: 15.AUG.2024 11:15:32

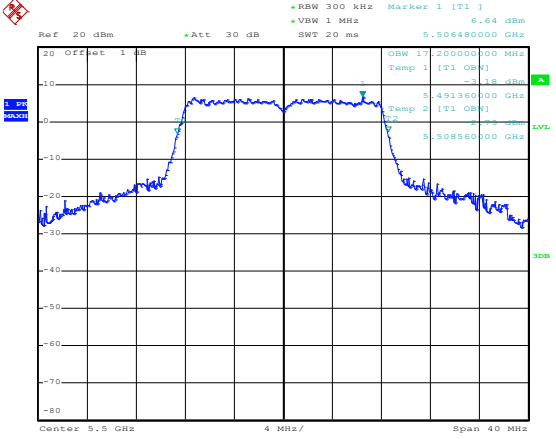
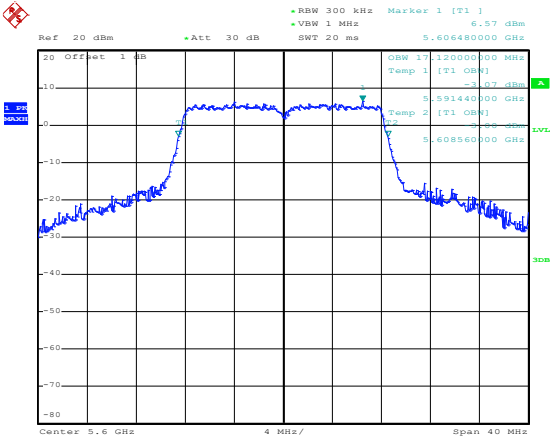
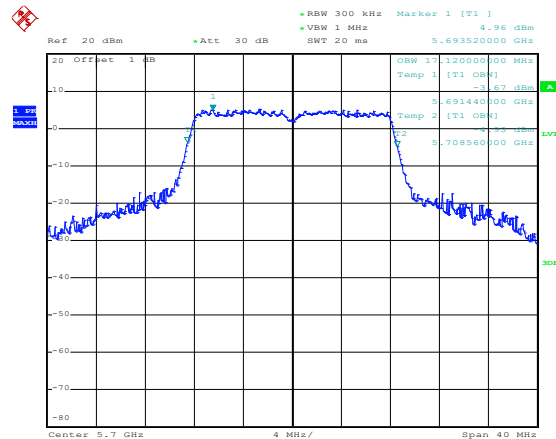
802.11n-HT20-Low	Date: 15.AUG.2024 11:16:17
802.11n-HT20-Middle	Date: 15.AUG.2024 11:16:48
802.11n-HT20-High	Date: 15.AUG.2024 11:17:16

802.11n-HT40-Low	 Date: 15.AUG.2024 11:18:09
802.11n-HT40-High	 Date: 15.AUG.2024 11:18:46
802.11ac-VHT20-Low	 Date: 24.AUG.2024 09:57:28

802.11ac-VHT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 6.16 dBm VBW 1 MHz SWT 20 ms 5.284000000 GHz OSW 10.00000000 MHz Temp 1 [T1] 0.00 dBm Temp 2 [T1] 0.00 dBm LVL 3dB Center 5.28 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 10:00:08
802.11ac-VHT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 5.94 dBm VBW 1 MHz SWT 20 ms 5.314240000 GHz OSW 10.00000000 MHz Temp 1 [T1] 0.00 dBm Temp 2 [T1] 0.00 dBm LVL 3dB Center 5.32 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 10:01:03
802.11ac-VHT40-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz Marker 1 [T1] 8.67 dBm VBW 3 MHz SWT 20 ms 5.283600000 GHz OSW 37.44000000 MHz Temp 1 [T1] 0.00 dBm Temp 2 [T1] 0.00 dBm LVL 3dB Center 5.27 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 10:02:17

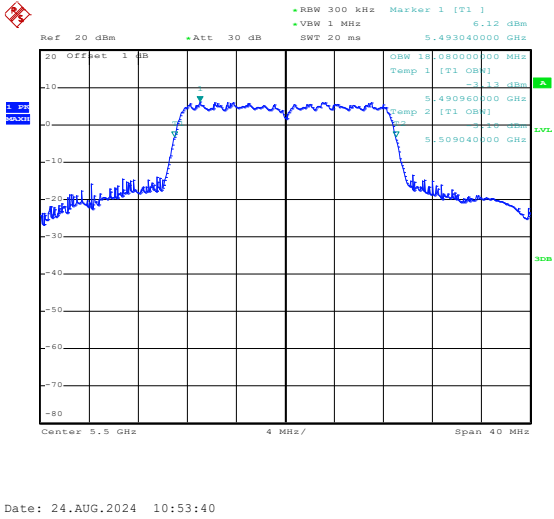
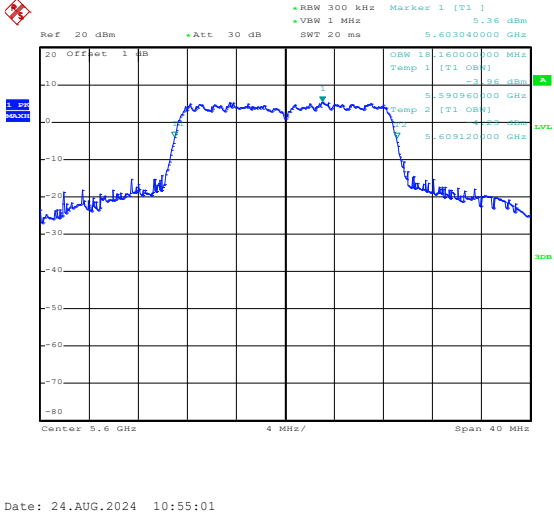
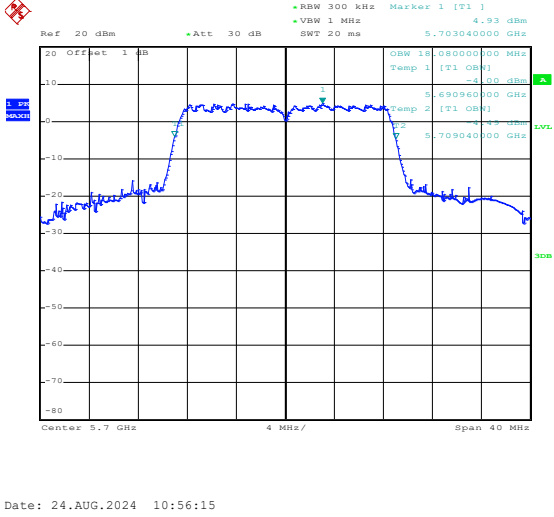
802.11ac-VHT40-High	 Ref 20 dBm +Att 30 dB RBW 1 MHz VSW 3 MHz SWT 20 ms Marker 1 [T1] 5.298320000 GHz 8.76 dBm 20 Offset 1 dB 10 0 -10 -20 -30 -40 -50 -60 -70 -80 Center 5.31 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 10:03:12
802.11ac-VHT80-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz VSW 3 MHz SWT 20 ms Marker 1 [T1] 5.275280000 GHz 5.24 dBm 20 Offset 1 dB 10 0 -10 -20 -30 -40 -50 -60 -70 -80 Center 5.29 GHz 16 MHz/ Span 160 MHz Date: 15.AUG.2024 11:19:33

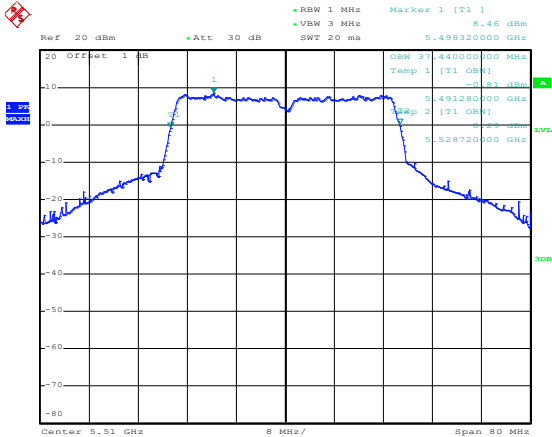
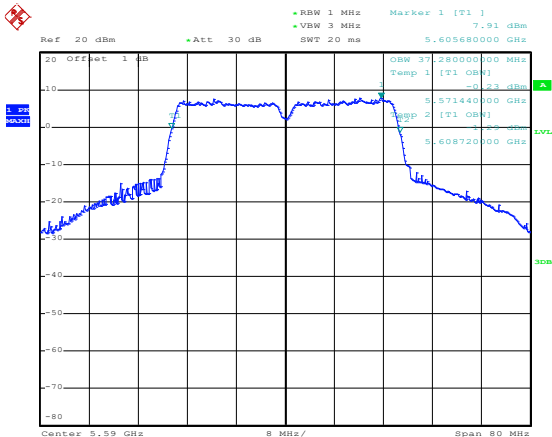
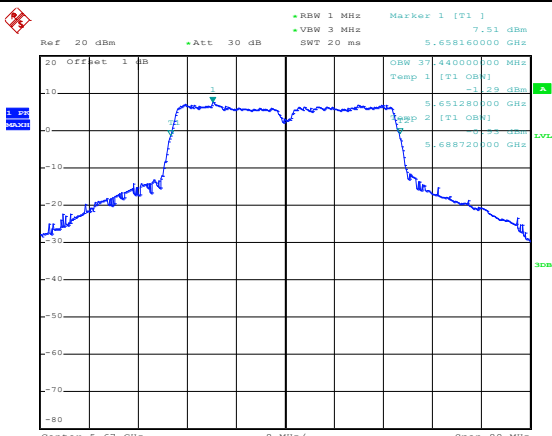
99% dB BandwidthMHz
5470-5725MHz

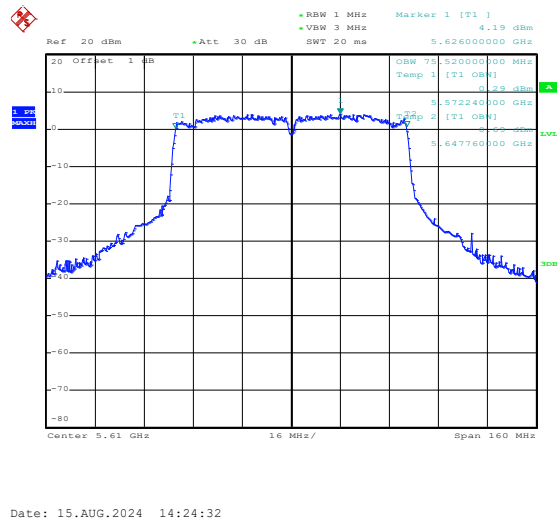
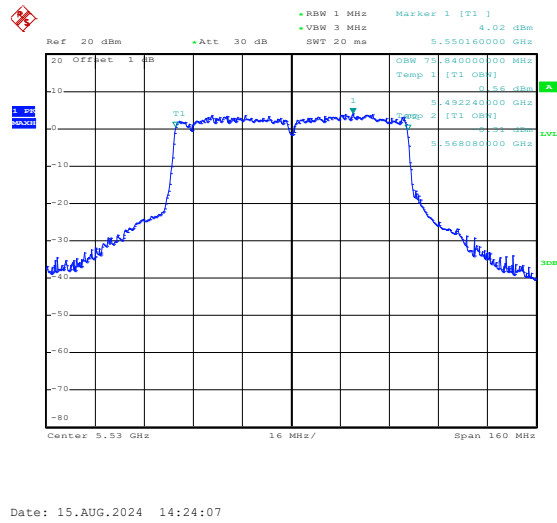
802.11a-Low	 Date: 15.AUG.2024 14:20:20
802.11a-Middle	 Date: 15.AUG.2024 14:20:42
802.11a-High	 Date: 15.AUG.2024 14:21:04

802.11n-HT20-Low	
------------------	--

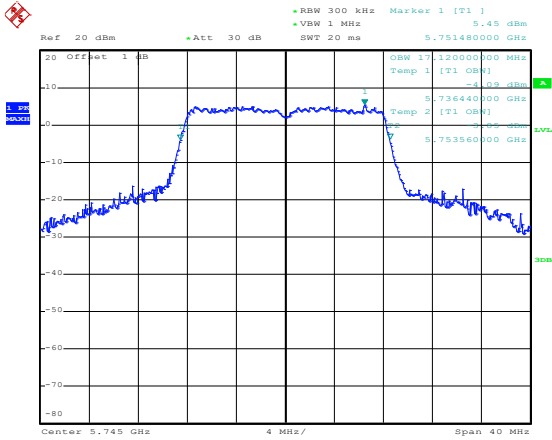
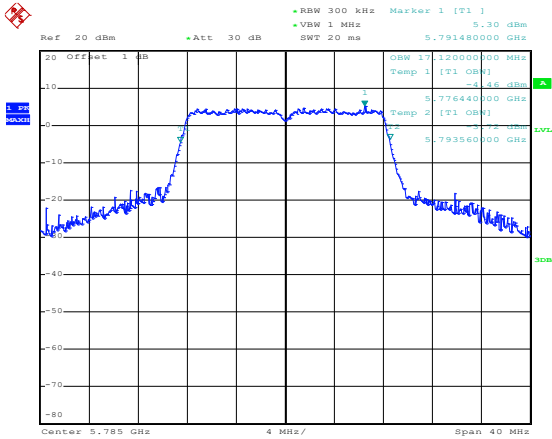
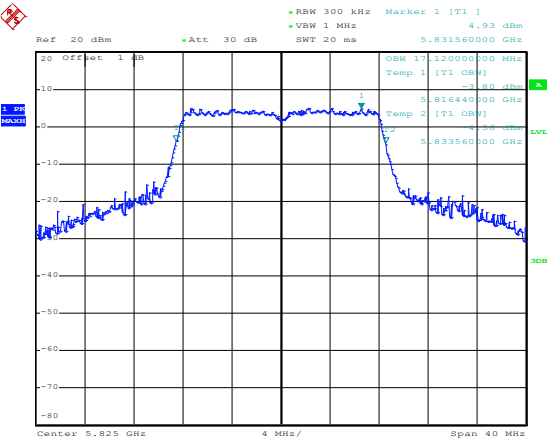


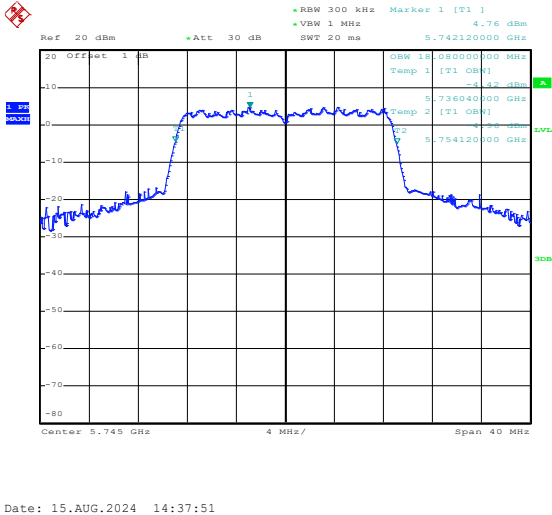
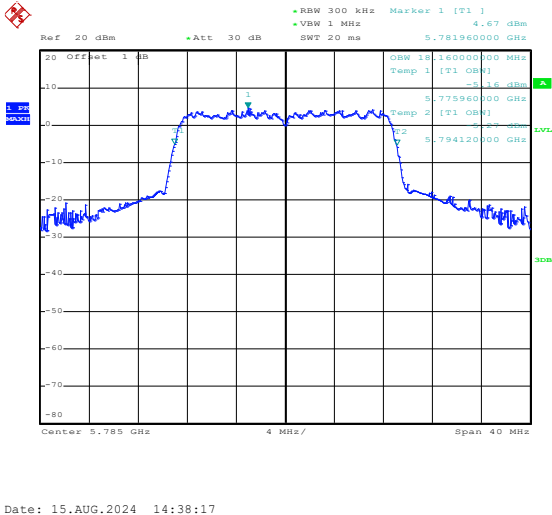
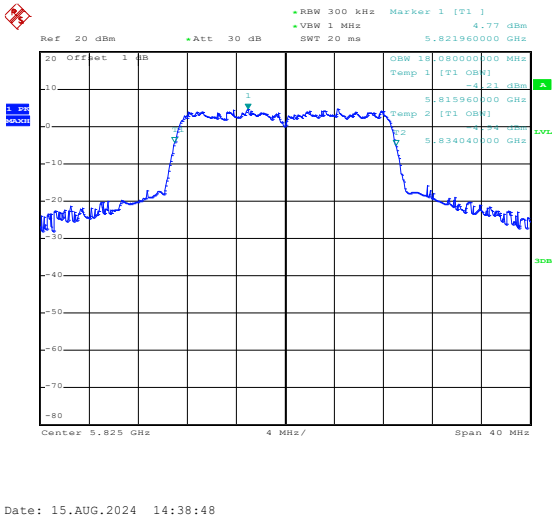
802.11ac-VHT20-Low	 Date: 24.AUG.2024 10:53:40
802.11ac-VHT20-Middle	 Date: 24.AUG.2024 10:55:01
802.11ac-VHT20-High	 Date: 24.AUG.2024 10:56:15

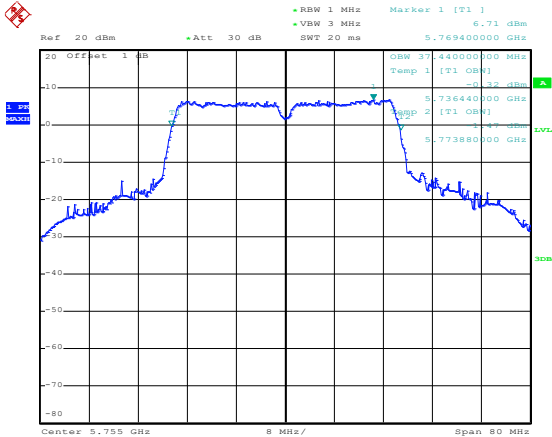
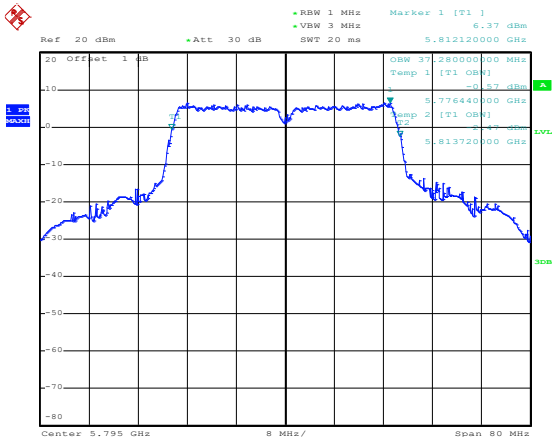
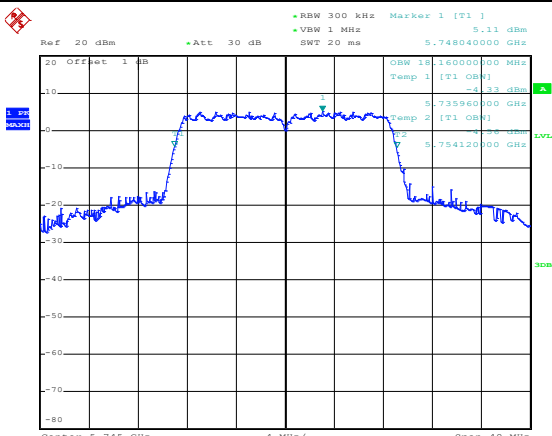
802.11ac-VHT40-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Marker 1 [T1] 8.46 dBm 5.498320000 GHz Offset 1 dB 20 dB 10 dB 0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB -70 dB -80 dB Center 5.51 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 10:58:05
802.11ac-VHT40-Middle	 Ref 20 dBm +Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Marker 1 [T1] 7.91 dBm 5.605680000 GHz Offset 1 dB 20 dB 10 dB 0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB -70 dB -80 dB Center 5.59 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 10:58:34
802.11ac-VHT40-High	 Ref 20 dBm +Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Marker 1 [T1] 7.51 dBm 5.658160000 GHz Offset 1 dB 20 dB 10 dB 0 dB -10 dB -20 dB -30 dB -40 dB -50 dB -60 dB -70 dB -80 dB Center 5.67 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 10:59:28

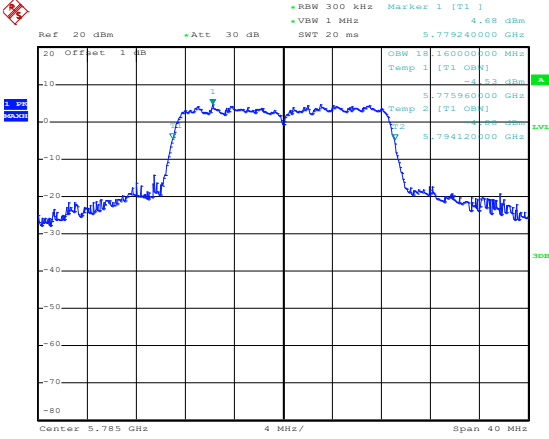
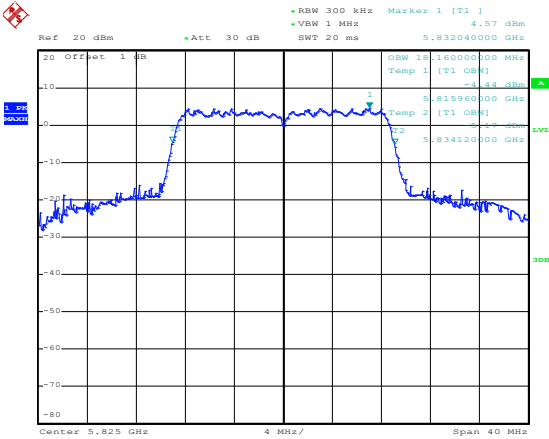
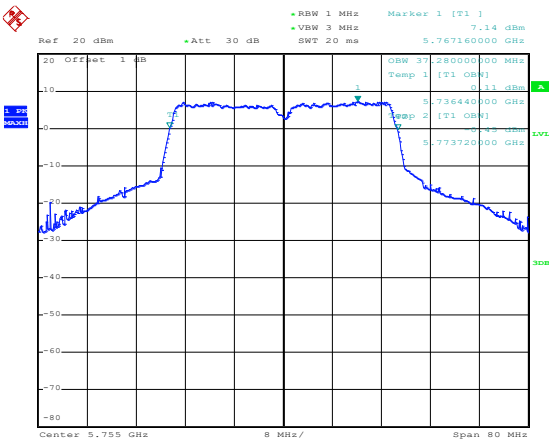


99% dB BandwidthMHz
5725-5850MHz

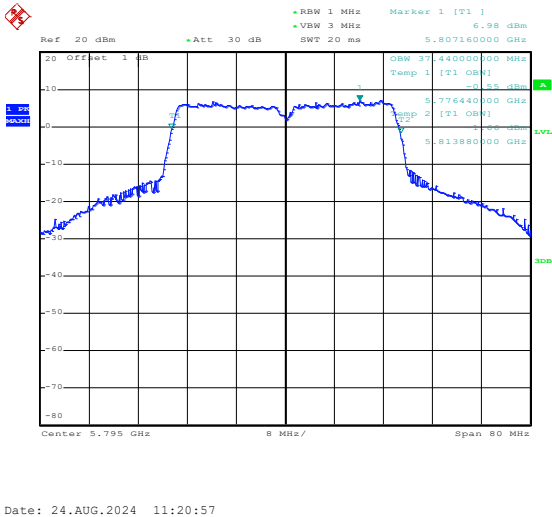
802.11a-Low	 Date: 15.AUG.2024 14:29:32
802.11a-Middle	 Date: 15.AUG.2024 14:29:57
802.11a-High	 Date: 15.AUG.2024 14:30:20

802.11n-HT20-Low	 Date: 15.AUG.2024 14:37:51
802.11n-HT20-Middle	 Date: 15.AUG.2024 14:38:17
802.11n-HT20-High	 Date: 15.AUG.2024 14:38:48

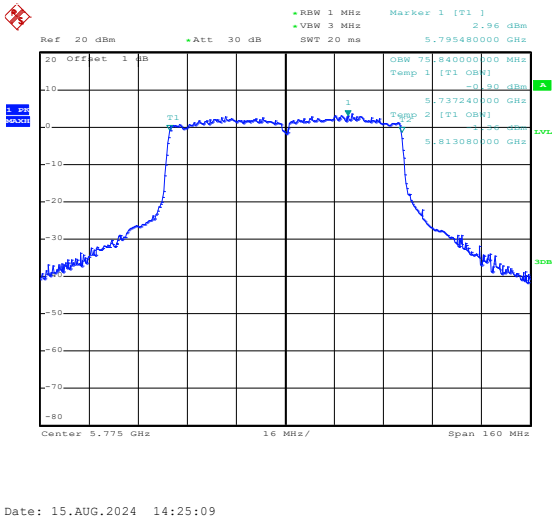
802.11n-HT40-Low	 Ref 20 dBm •Att 30 dB •RBW 1 MHz •VBW 3 MHz Marker 1 [T1] 6.71 dBm SWT 20 ms 5.769400000 GHz OSW 37.440000000 MHz Temp 1 [T1 OBW] -0.32 dBm 5.736440000 GHz Temp 2 [T1 OBW] -0.47 dBm 5.773880000 GHz Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 14:40:10
802.11n-HT40-High	 Ref 20 dBm •Att 30 dB •RBW 1 MHz •VBW 3 MHz Marker 1 [T1] 6.37 dBm SWT 20 ms 5.812120000 GHz OSW 37.280000000 MHz Temp 1 [T1 OBW] -0.67 dBm 5.776440000 GHz Temp 2 [T1 OBW] -0.48 dBm 5.813720000 GHz Center 5.795 GHz 8 MHz/ Span 80 MHz Date: 15.AUG.2024 14:40:31
802.11ac-VHT20-Low	 Ref 20 dBm •Att 30 dB •RBW 300 kHz •VBW 1 MHz Marker 1 [T1] 5.11 dBm SWT 20 ms 5.748040000 GHz OSW 18.160000000 MHz Temp 1 [T1 OBW] -1.33 dBm 5.735960000 GHz Temp 2 [T1 OBW] -1.48 dBm 5.754120000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:16:52

802.11ac-VHT20-Middle	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 4.68 dBm VSW 1 MHz SWT 20 ms 5.779240000 GHz OSW 10.160000000 MHz Temp 1 [T1] OSW] -4.63 dBm 5.775960000 GHz Temp 2 [T1] OSW] -4.68 dBm 5.794120000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:17:32
802.11ac-VHT20-High	 Ref 20 dBm +Att 30 dB RBW 300 kHz Marker 1 [T1] 4.57 dBm VSW 1 MHz SWT 20 ms 5.832040000 GHz OSW 10.160000000 MHz Temp 1 [T1] OSW] -4.44 dBm 5.815960000 GHz Temp 2 [T1] OSW] -4.48 dBm 5.834120000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 24.AUG.2024 11:18:33
802.11ac-VHT40-Low	 Ref 20 dBm +Att 30 dB RBW 1 MHz Marker 1 [T1] 7.14 dBm VSW 3 MHz SWT 20 ms 5.767160000 GHz OSW 37.280000000 MHz Temp 1 [T1] OSW] 0.11 dBm 5.736440000 GHz Temp 2 [T1] OSW] -4.42 dBm 5.773720000 GHz Center 5.755 GHz 8 MHz/ Span 80 MHz Date: 24.AUG.2024 11:20:12

802.11ac-VHT40-High



802.11ac-VHT80-Low



APPENDIX C

Maximum Conducted Output Power

U-NII-1:5150-5250MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5180	14.87	23.98
	5200	14.63	23.98
	5240	14.38	23.98
802.11n-HT20	5180	13.90	23.98
	5200	13.54	23.98
	5240	13.28	23.98
802.11n-HT40	5190	13.17	23.98
	5230	12.70	23.98
802.11ac-VHT20	5180	13.97	23.98
	5200	13.81	23.98
	5240	13.14	23.98
802.11ac-VHT40	5190	13.33	23.98
	5230	12.64	23.98
802.11ac-VHT80	5210	12.73	23.98

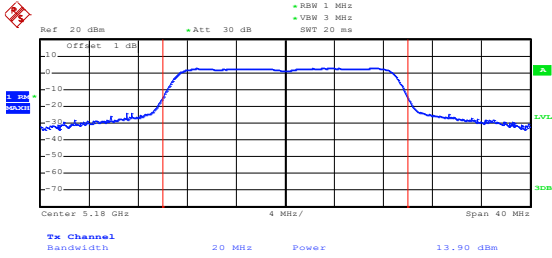
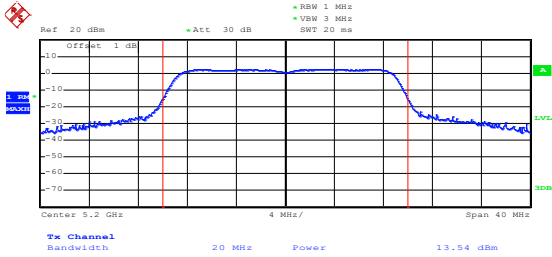
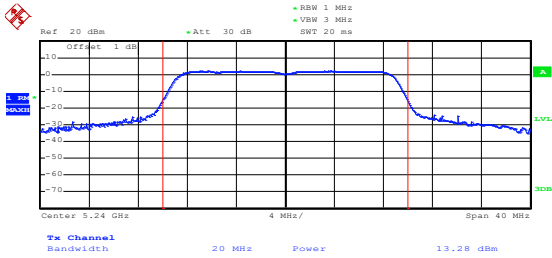
U-NII-2A: 5250-5350MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5260	15.20	23.98
	5280	15.25	23.98
	5320	14.81	23.98
802.11n-HT20	5260	14.19	23.98
	5280	14.28	23.98
	5320	13.84	23.98
802.11n-HT40	5270	13.66	23.98
	5310	13.43	23.98
802.11ac-VHT20	5260	13.85	23.98
	5280	13.81	23.98
	5320	13.48	23.98
802.11ac-VHT40	5270	13.39	23.98
	5310	13.02	23.98
802.11ac-VHT80	5290	13.22	23.98

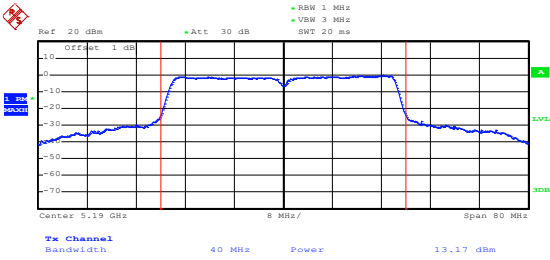
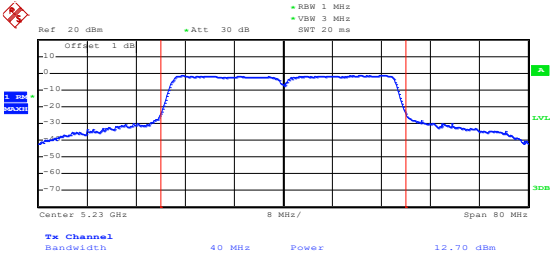
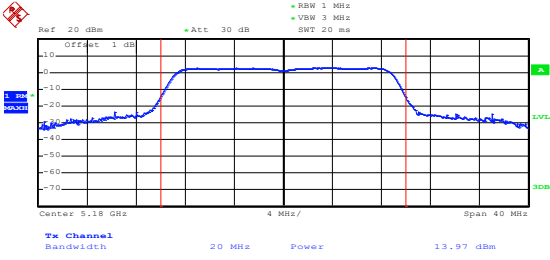
U-NII-2C: 5470-5725MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5500	14.70	23.98
	5600	14.31	23.98
	5700	13.55	23.98
802.11n-HT20	5500	13.75	23.98
	5600	13.21	23.98
	5700	12.50	23.98
802.11n-HT40	5510	12.98	23.98
	5590	12.71	23.98
	5670	12.28	23.98
802.11ac-VHT20	5500	13.80	23.98
	5600	13.04	23.98
	5700	12.75	23.98
802.11ac-VHT40	5510	12.98	23.98
	5590	12.71	23.98
	5670	12.08	23.98
802.11ac-VHT80	5530	12.36	23.98
	5610	12.56	23.98

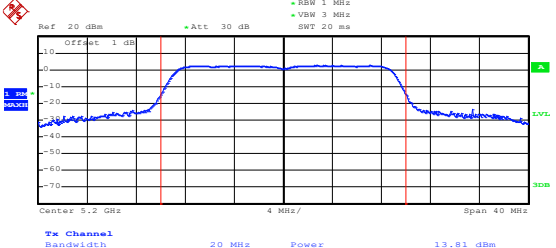
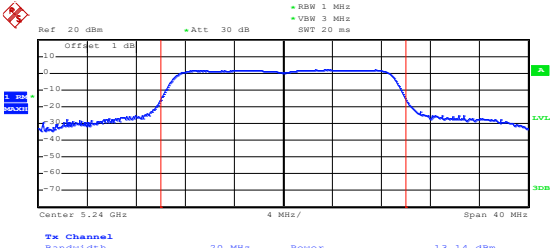
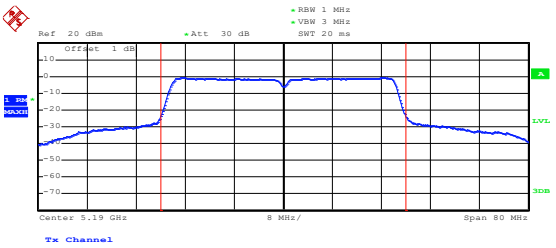
U-NII-3: 5725-5850MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5745	13.31	30.00
	5785	13.12	30.00
	5825	13.34	30.00
802.11n-HT20	5745	12.31	30.00
	5785	12.18	30.00
	5825	12.33	30.00
802.11n-HT40	5755	11.63	30.00
	5795	11.58	30.00
802.11ac-VHT20	5745	12.89	30.00
	5785	12.49	30.00
	5825	12.40	30.00
802.11ac-VHT40	5755	12.15	30.00
	5795	11.77	30.00
802.11ac-VHT80	5775	11.42	30.00

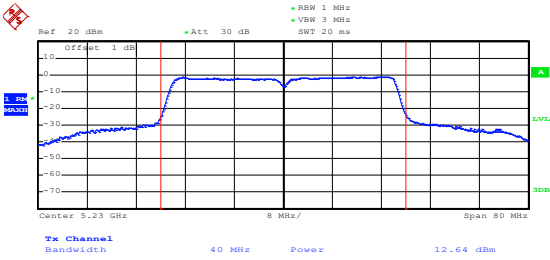
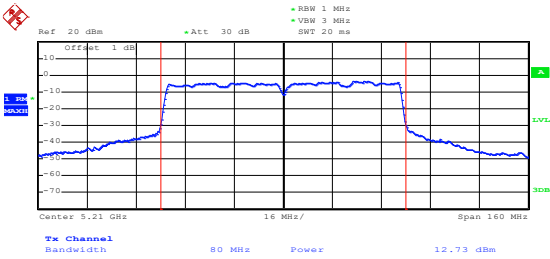
5150-5250MHz

802.11a-Low	Date: 14.AUG.2024 16:58:10
802.11a-Middle	Date: 14.AUG.2024 16:58:49
802.11a-High	Date: 14.AUG.2024 16:59:16

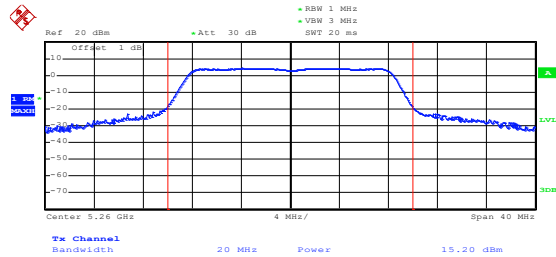
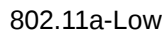
802.11n-HT20-Low	 Date: 14.AUG.2024 17:05:32
802.11n-HT20-Middle	 Date: 14.AUG.2024 17:05:48
802.11n-HT20-High	 Date: 14.AUG.2024 17:06:15

802.11n-HT40-Low	 Date: 14.AUG.2024 17:06:55
802.11n-HT40-High	 Date: 14.AUG.2024 17:07:31
802.11ac-VHT20-Low	 Date: 24.AUG.2024 08:59:02

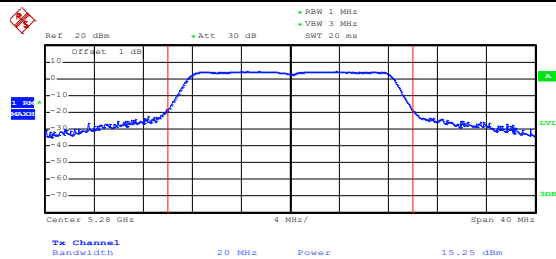
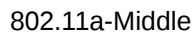
802.11ac-VHT20-Middle	 Date: 24.AUG.2024 08:51:35
802.11ac-VHT20-High	 Date: 24.AUG.2024 08:53:48
802.11ac-VHT40-Low	 Date: 24.AUG.2024 08:56:50

802.11ac-VHT40-High	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.23 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 12.64 dBm Date: 24.AUG.2024 08:57:45
802.11ac-VHT80-Low	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.21 GHz Span: 160 MHz Tx Channel Bandwidth: 80 MHz Power: 12.73 dBm Date: 14.AUG.2024 17:08:13

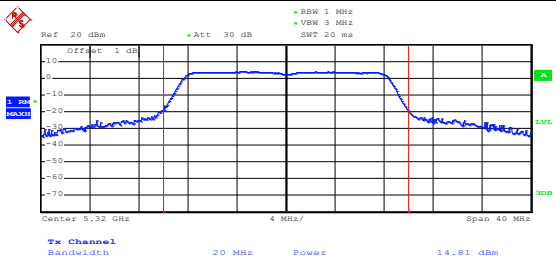
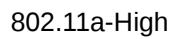
5250-5350MHz



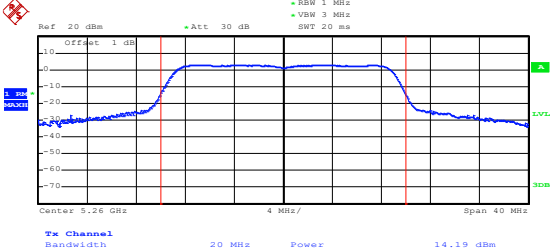
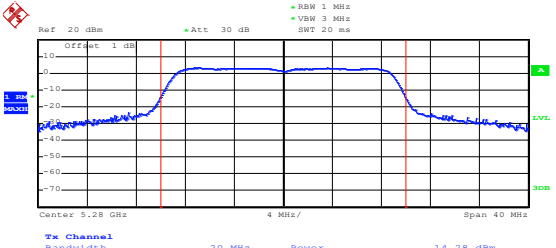
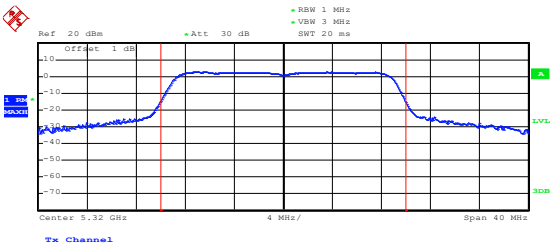
Date: 15.AUG.2024 10:44:51

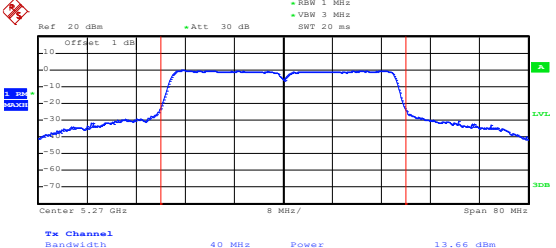
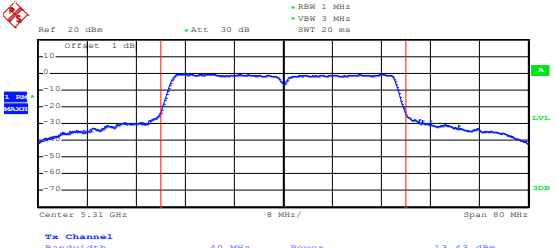
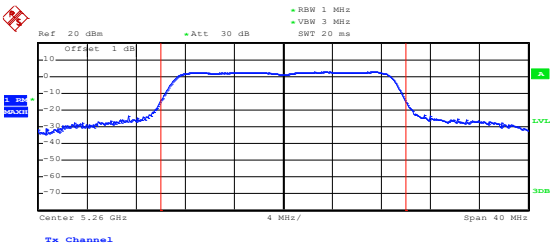


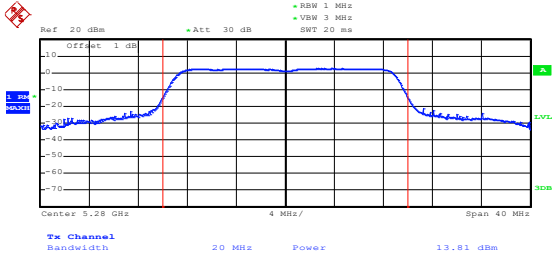
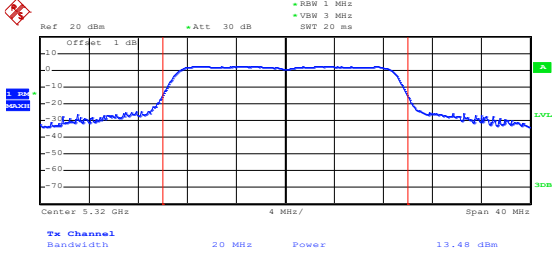
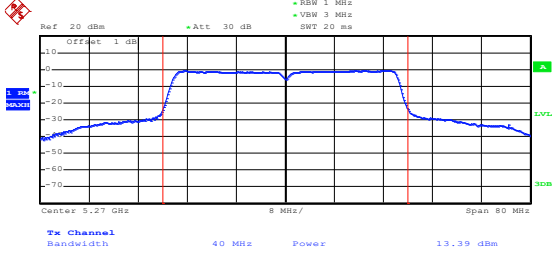
Date: 15.AUG.2024 10:45:16

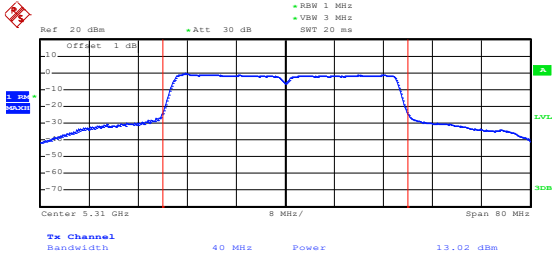
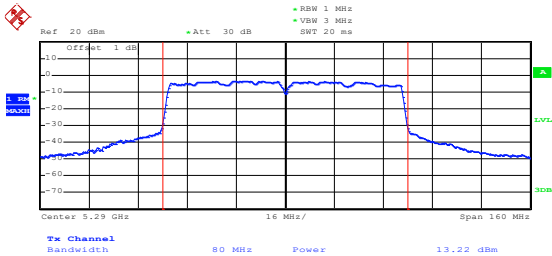


Date: 15.AUG.2024 10:45:41

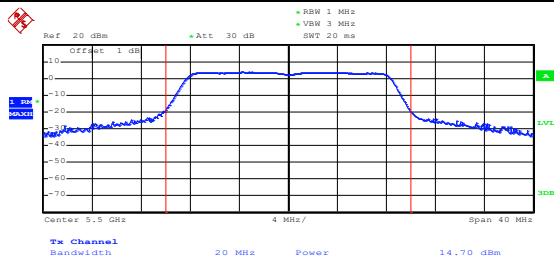
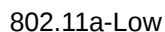
802.11n-HT20-Low	 Date: 15.AUG.2024 10:46:59
802.11n-HT20-Middle	 Date: 15.AUG.2024 10:47:21
802.11n-HT20-High	 Date: 15.AUG.2024 10:47:52

802.11n-HT40-Low	 Date: 15.AUG.2024 10:48:37
802.11n-HT40-High	 Date: 15.AUG.2024 10:49:01
802.11ac-VHT20-Low	 Date: 24.AUG.2024 09:42:21

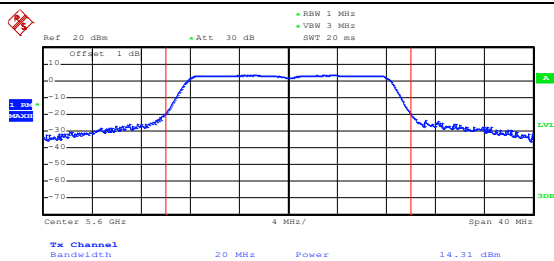
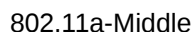
802.11ac-VHT20-Middle	 Date: 24.AUG.2024 09:44:17
802.11ac-VHT20-High	 Date: 24.AUG.2024 09:44:54
802.11ac-VHT40-Low	 Date: 24.AUG.2024 14:10:22

802.11ac-VHT40-High	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.31 GHz Span: 80 MHz Tx Channel Bandwidth: 40 MHz Power: 13.02 dBm Date: 24.AUG.2024 09:47:16
802.11ac-VHT80-Low	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.29 GHz Span: 160 MHz Tx Channel Bandwidth: 80 MHz Power: 13.22 dBm Date: 15.AUG.2024 10:49:51

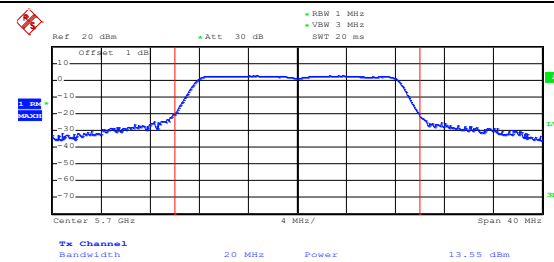
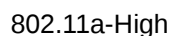
5470-5725MHz



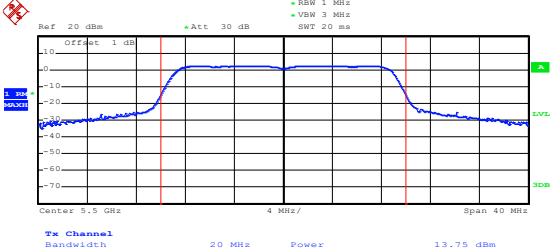
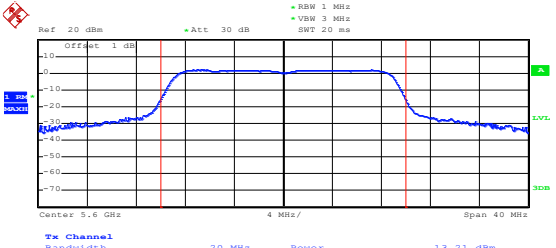
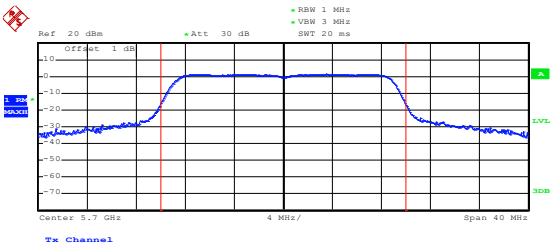
Date: 15.AUG.2024 13:52:51

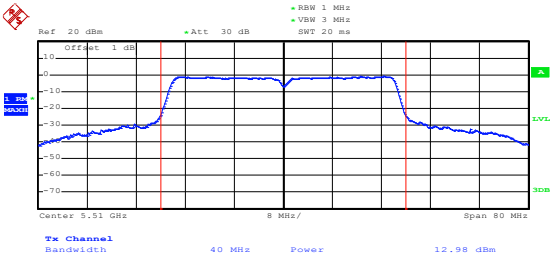
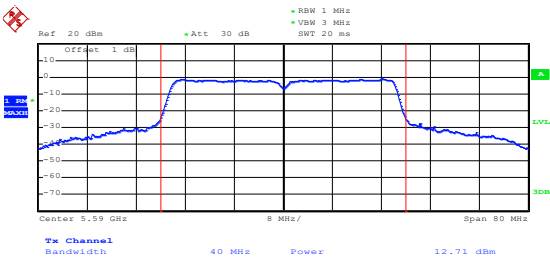
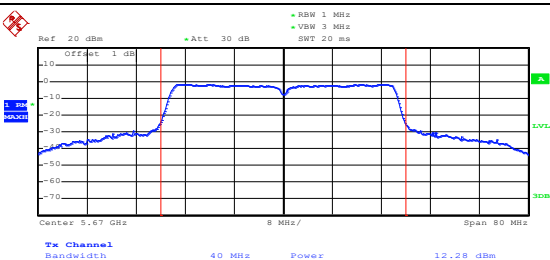


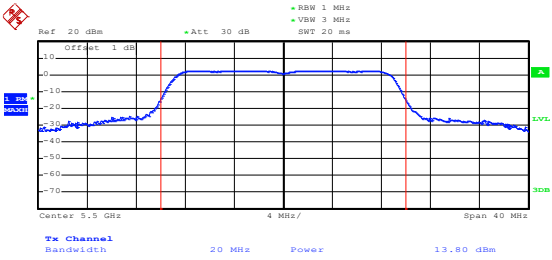
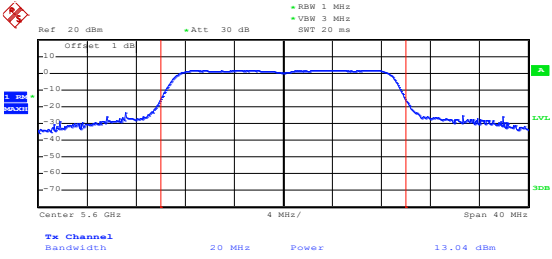
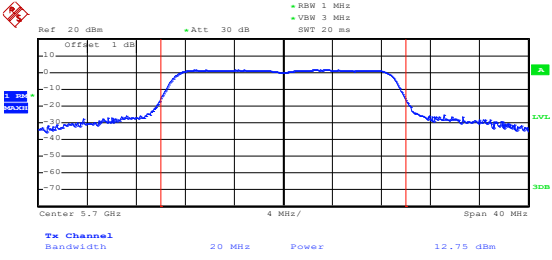
Date: 15.AUG.2024 13:53:53

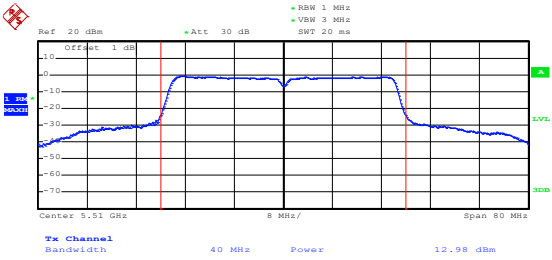
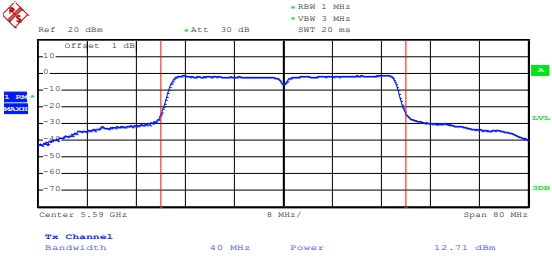
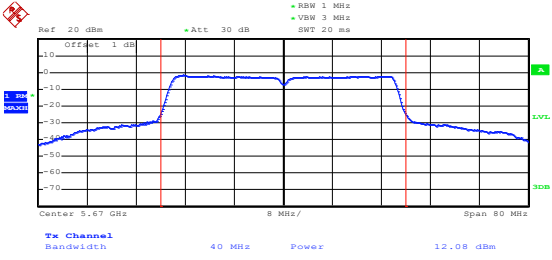


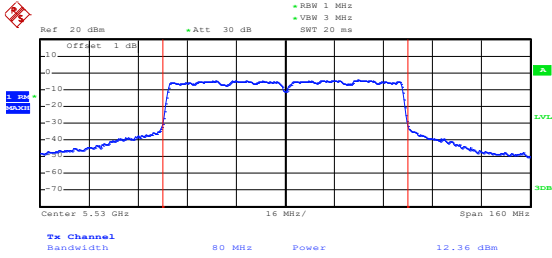
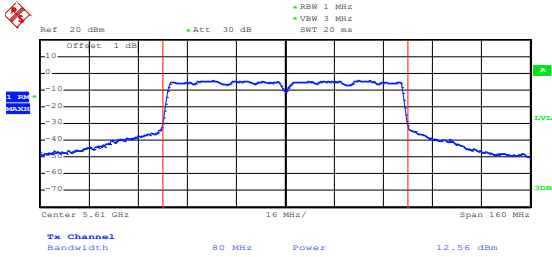
Date: 15.AUG.2024 13:54:17

802.11n-HT20-Low	 Date: 15.AUG.2024 13:55:08
802.11n-HT20-Middle	 Date: 15.AUG.2024 13:55:26
802.11n-HT20-High	 Date: 15.AUG.2024 13:55:44

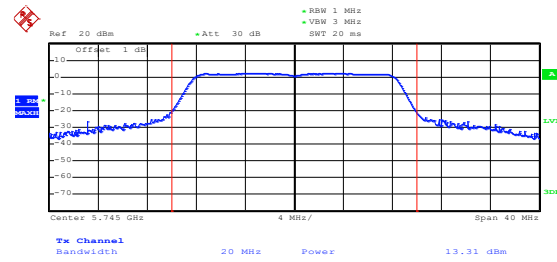
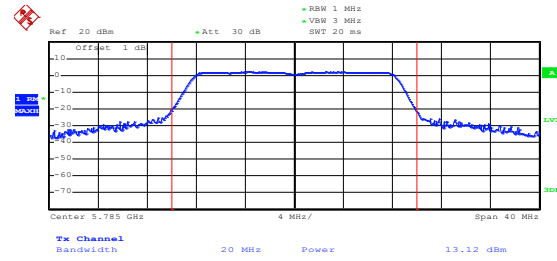
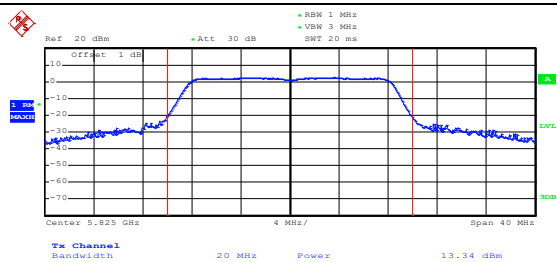
802.11n-HT40-Low	 Date: 15.AUG.2024 14:00:12
802.11n-HT40- Middle	 Date: 15.AUG.2024 14:00:55
802.11n-HT40-High	 Date: 15.AUG.2024 14:01:17

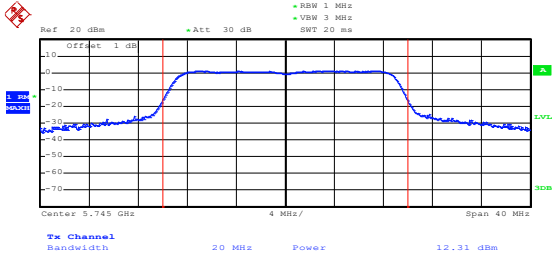
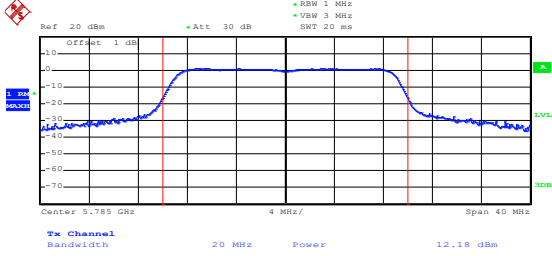
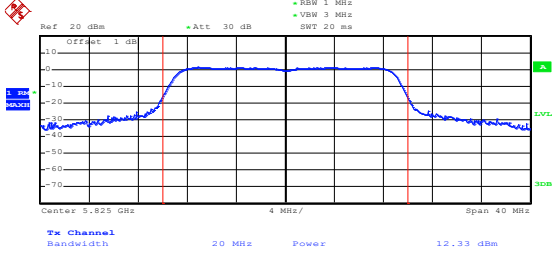
802.11ac-VHT20-Low	 Date: 24.AUG.2024 10:37:11
802.11ac-VHT20-Middle	 Date: 24.AUG.2024 10:37:48
802.11ac-VHT20-High	 Date: 24.AUG.2024 10:38:23

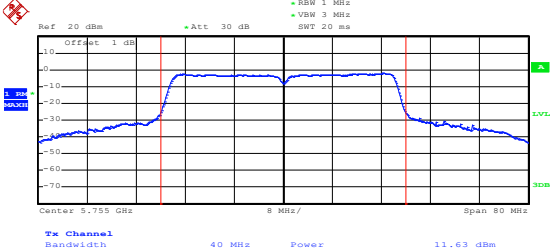
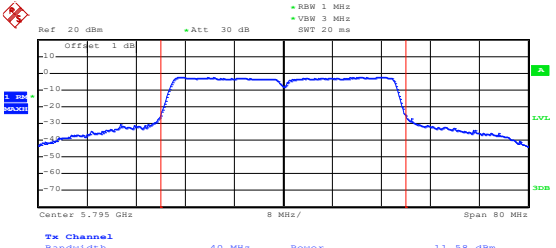
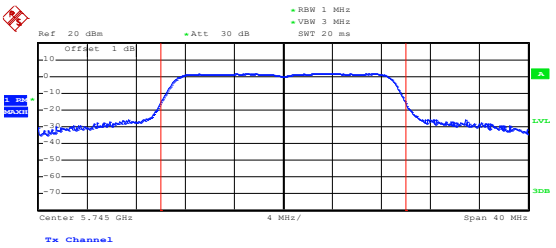
802.11ac-VHT40-Low	 Date: 24.AUG.2024 10:39:16
802.11ac-VHT40-Middle	 Date: 24.AUG.2024 10:41:44
802.11ac-VHT40-High	 Date: 24.AUG.2024 10:42:50

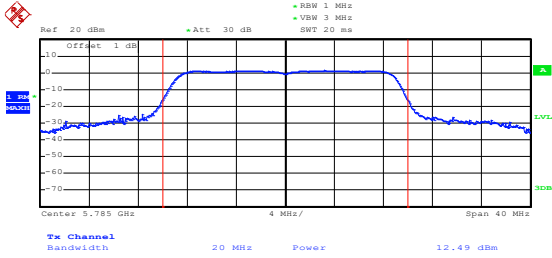
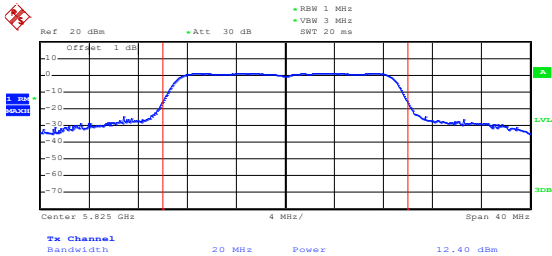
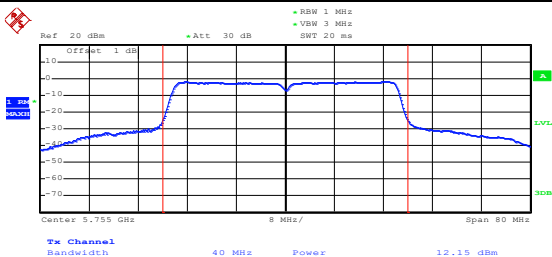
802.11ac-VHT80-Low	 Date: 15.AUG.2024 14:01:55
802.11ac-VHT80-High	 Date: 15.AUG.2024 14:02:24

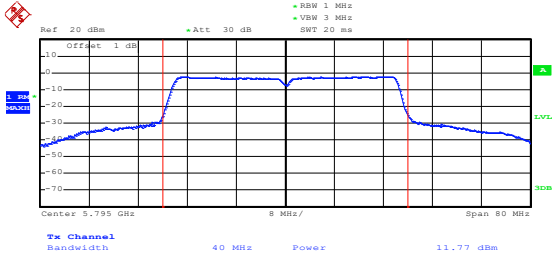
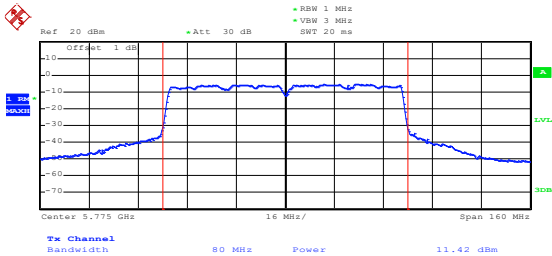
5725-5850MHz

802.11a-Low	 Date: 15.AUG.2024 14:04:06
802.11a-Middle	 Date: 15.AUG.2024 14:04:25
802.11a-High	 Date: 15.AUG.2024 14:04:54

802.11n-HT20-Low	 Date: 15.AUG.2024 14:05:26
802.11n-HT20-Middle	 Date: 15.AUG.2024 14:05:44
802.11n-HT20-High	 Date: 15.AUG.2024 14:06:01

802.11n-HT40-Low	 Date: 15.AUG.2024 14:06:44
802.11n-HT40-High	 Date: 15.AUG.2024 14:07:06
802.11ac-VHT20-Low	 Date: 24.AUG.2024 11:08:32

802.11ac-VHT20-Middle	 Date: 24.AUG.2024 11:09:17
802.11ac-VHT20-High	 Date: 24.AUG.2024 11:10:16
802.11ac-VHT40-Low	 Date: 24.AUG.2024 11:11:40

802.11ac-VHT40-High	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.775 GHz Span: 80 MHz Power: 11.77 dBm Bandwidth: 40 MHz Date: 24.AUG.2024 11:12:17
802.11ac-VHT80-Low	 Ref: 20 dBm Offset: 1 dB Att: 30 dB RBW: 1 MHz VBW: 3 MHz SWT: 20 ms Center: 5.775 GHz Span: 160 MHz Power: 11.42 dBm Bandwidth: 80 MHz Date: 15.AUG.2024 14:03:14

APPENDIX D

Frequency Stability

U-NII-1:5150-5250MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	507	0.098
100%		-20	492	0.095
100%		-10	496	0.095
100%		0	495	0.095
100%		+10	491	0.094
100%		+20	507	0.098
100%		+30	496	0.095
100%		+40	493	0.095
100%		+50	504	0.097
Low Battery power	3.27	+20	507	0.098
High Battery power	4.43	+20	503	0.097

U-NII-1: 5250-5350MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	506	0.096
100%		-20	505	0.096
100%		-10	504	0.095
100%		0	509	0.096
100%		+10	491	0.093
100%		+20	506	0.096
100%		+30	493	0.093
100%		+40	504	0.095
100%		+50	501	0.095
Low Battery power	3.27	+20	502	0.095
High Battery power	4.43	+20	498	0.094

U-NII-1: 5470-5725MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	504	0.090
100%		-20	497	0.089
100%		-10	492	0.088
100%		0	493	0.088
100%		+10	501	0.089
100%		+20	496	0.089
100%		+30	507	0.091
100%		+40	498	0.089
100%		+50	506	0.090
Low Battery power	3.27	+20	504	0.090
High Battery power	4.43	+20	503	0.090

U-NII-1:5725-5850MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	3.85	-30	506	0.087
100%		-20	494	0.085
100%		-10	495	0.086
100%		0	509	0.088
100%		+10	504	0.087
100%		+20	506	0.087
100%		+30	507	0.088
100%		+40	496	0.086
100%		+50	495	0.086
Low Battery power	3.27	+20	494	0.085
High Battery power	4.43	+20	503	0.087

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

***** END OF REPORT *****