TEST REPORT

Reference No......	:	WTH23X04087275W001
FCC ID.....	:	2AT5W-O2066PM
Applicant.....	:	SHENZHEN OFEIXIN TECHNOLOGY LIMITED
Address.....	:	Room 503, Building A3, Area B, Songbai Industrial Park, Guangming District, Shenzhen
Manufacturer.....	:	The same as Applicant
Address.....	:	The same as Applicant
Product Name	:	Wi-Fi Tri-band 2x2 MIMO DBS 802.11ax + Bluetooth 5.2 Module
Model No......	:	O2066PM
Standards	:	FCC Part 15.407
Date of Receipt sample	:	2023-04-23
Date of Test.....	:	2023-04-23 to 2023-05-30
Date of Issue	:	2023-05-30
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:

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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 7
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 27
9. FREQUENCY STABILITY 286
9.1 STANDARD APPLICABLE 286
9.2 TEST PROCEDURE 286
9.3 SUMMARY OF TEST RESULTS/PLOTS 286
10 CONDUCTED EMISSIONS 287
10.1 TEST PROCEDURE 287
10.2 BASIC TEST SETUP BLOCK DIAGRAM 287
10.3 TEST RECEIVER SETUP 287
10.4 SUMMARY OF TEST RESULTS/PLOTS 287
APPENDIX SUMMARY 288
APPENDIX A 289
APPENDIX B 357
APPENDIX C 486
APPENDIX D 554

APPENDIX PHOTOGRAPHS.....556

Report version

Version No.	Date of issue	Description
Rev.00	2023-05-30	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Wi-Fi Tri-band 2x2 MIMO DBS 802.11ax + Bluetooth 5.2 Module
Trade Name:	OFLYCOMM
Model No.:	O2066PM
Adding Model(s):	/
Rated Voltage:	DC3.3V
Battery Capacity:	/
Power Adapter:	/
Note: The test data is gathered from a production sample, provided by the manufacturer.	

Technical Characteristics of EUT	
Support Standards:	802.11a, 802.11n-HT20 , 802.11n-HT40, 802.11ac-VHT80, 802.11ac-VHT160, 802.11ax-HE20, 802.11ax-HE40, 802.11ax-HE80, 802.11ax-HE160
Frequency Range:	5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
RF Output Power:	5150-5250MHz: Antenna 0: 16.83dBm (Conducted) Antenna 1: 16.70dBm (Conducted) 5250-5350MHz: Antenna 0: 16.87dBm (Conducted) Antenna 1: 16.59dBm (Conducted) 5470-5725MHz: Antenna 0: 16.42dBm (Conducted) Antenna 1: 16.64dBm (Conducted) 5725-5850MHz: Antenna 0: 16.47dBm (Conducted) Antenna 1: 16.42dBm (Conducted)
Type of Modulation:	QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Type of Antenna:	FPC Antenna
Antenna Gain:	3.1dBi
Note: The Antenna Gain is provided by the customer and can affect the validity of results.	

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.
KDB662911 D01 Multiple Transmitter Output v02r01: Emissions Testing of Transmitters with Multiple Outputs in the Same Band.

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

Install “qcmbr.exe” and follow the instructions given by the manufacturer, 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	5280	5320	5500	5580	5700	5745	5785	5825
802.11a 6Mbps	19	19	19	20	20	20	20	18.5	17	17.5	17.5	18.5
802.11n-HT20 MCS0	18	18	18	19	19	19	19	18	16.5	17	17	18
802.1 ac-VHT 20 MCS0	16	16	16	17	17	17	18	16.5	15.5	15.5	16	16.5
802.1 ax-HE 20 MCS0	15.5	15.5	16	15	15	15.5	15.5	14.5	13	15	15	16

Mode	NCB: 40MHz									
	5190	5230	5270	5310	5510	5550	5670	5710	5755	5795
802.11n-HT40 MCS0	17	17	18	18	18.5	17	16	16	16	17
802.1 ac-VHT 40 MCS0	15	15	16	16	16.5	15.5	13.5	13.5	14	14.5
802.1 ax-HE 40 MCS0	14	14.5	13.5	14	14	13	11.5	11.5	13.5	14

Mode	NCB: 80MHz					
	5210	5290	5530	5610	5690	5775
802.11ac-VHT80 MCS0/Nss2	16	15	16	14.5	14.5	14
802.11ax-HE80 MCS0/Nss2	14	13.5	14	12	12	13.5

Mode	NCB: 160MHz	
	5250	5570
802.11ac-VHT160 MCS0/Nss2	13.5	14
802.11ax-HE160 MCS0/Nss2	13.5	14

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, Bao'an District, Shenzhen, P.R.C. (518101）

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 mai ntained 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 ,5580MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM2	802.11n-HT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz ,5680MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM3	802.11n-HT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5550MHz,5670MHz ,5755MHz,5795MHz
TM4	802.11ac-VHT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz ,5680MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM5	802.11ac-VHT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5550MHz,5670MHz ,5755MHz,5795MHz
TM6	802.11ac-VHT80	5210MHz,5290MHz,5530MHz,5610MHz,5775MHz
TM7	802.11ac-VHT160	5250MHz，5570MHz
TM8	802.11ax-HE20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz ,5680MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM9	802.11ax-HE40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5550MHz,5670MHz ,5755MHz,5795MHz
TM10	802.11ax-HE80	5210MHz,5290MHz,5530MHz,5610MHz,5775MHz
TM11	802.11ax-HE160	5250MHz，5570MHz
Note: 1. This device support Partial and Full Resource Units (RU), only the worst case of Full RU test data was recorded in this report. 2. The 5GHz WIFI has two antennas and support Multiple Outputs for 802.11n/ac/ax mode for this report; Antenna 0 Gain is 3.1dBi; Antenna 1 Gain is 3.1dBi; For this function is belong to Correlated Categorization equipment. According to KDB 662911, for same directional gain. Directional gain = G_{ANT} + 10 log(N_{ANT}) dBi =3.1+10log(2) dBi=6.1dBi		

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
/	/	/	/

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

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

1.8 Measurement Uncertainty

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

1.9 Test Equipment List and Details

Fixed asset Number	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1041A1001	Communication Tester	Rohde & Schwarz	CMW500	148650	2023-02-25	2024-02-24
WTXE1022A1002	GSM Tester	Rohde & Schwarz	CMU200	114403	2023-02-25	2024-02-24
WTXE1005A1005	Spectrum Analyzer	Agilent	N9020A	US47140102	2023-02-25	2024-02-24
WTXE1084A1001	Spectrum Analyzer	Agilent	N9020A	MY54320548	2023-02-25	2024-02-24
WTXE1044A1001	Signal Generator	Agilent	83752A	3610A01453	2023-02-25	2024-02-24
WTXE1045A1001	Vector Signal Generator	Agilent	N5182A	MY47070202	2023-02-25	2024-02-24
WTXE1018A1001	Power Divider	Weinschel	1506A	PM204	2023-02-25	2024-02-24
WTXE1045A1001	Power Divider	RF-Lambda	RFLT4W5M18G	14110400027	2023-02-25	2024-02-24
☐Chamber A: Below 1GHz						
WTXE1005A1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
WTXE1007A1001	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2023-02-25	2024-02-24
WTXE1007A1001	Amplifier	HP	8447F	2805A03475	2023-02-25	2024-02-24
WTXE1010A1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
WTXE1010A1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2023-03-20	2026-03-19
☐Chamber A: Above 1GHz						
WTXE1005A1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/035	2023-02-25	2024-02-24
WTXE1007A1001	EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2023-02-25	2024-02-24
WTXE1065A1001	Amplifier	C&D	PAP-1G18	14918	2023-02-25	2024-02-24
WTXE1010A1005	Horn Antenna	ETS	3117	00086197	2021-03-19	2024-03-18
WTXE1010A1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2021-03-19	2024-03-18

WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2023-02-25	2024-02-24
☐Chamber B:Below 1GHz						
WTXE1010A 1006	Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-635	2021-04-09	2024-04-08
WTXE1038A 1001	Amplifier	Agilent	8447D	2944A10179	2023-02-25	2024-02-24
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2023-02-25	2024-02-24
☒Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2021-05-28	2024-05-27
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2021-03-20	2024-03-19
WTXE1007A 1002	Amplifier	HP	8447F	2944A03869	2023-02-25	2024-02-24
☒Chamber C: Above 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2023-02-25	2024-02-24
WTXE1103A 1005	Horn Antenna	POAM	RTF-11A	LP228060221	2023-03-10	2026-03-09
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806235	2023-02-25	2024-02-24
☒Conducted Room 1#						
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2023-02-25	2024-02-24
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2023-02-25	2024-02-24
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-224	2023-02-25	2024-02-24
☐Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2023-02-25	2024-02-24
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2023-02-25	2024-02-24

Software List			
Description	**Manufacturer**	**Model**	**Version**
EMI Test Software (Radiated Emission)*	Farad	EZ-EMC	RA-03A1
EMI Test Software (Conducted Emission)*	Farad	EZ-EMC	RA-03A1

*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	N/A
§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 two integral antennas, 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 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 11dBm + 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 1MHz RBW to satisfy directly the 1MHz 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 1MHz, 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 MHz, or < 500kHz) and integrated over 1 MHz, or 500kHz bandwidth, the following adjustments to the procedures apply:

a) Set RBW ≥ 1/T, where T is defined in section II.B.l.a).
b) Set VBW ≥ 3 RBW.
c) If measurement bandwidth of Maximum PSD is specified in 500kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
d) If measurement bandwidth of Maximum PSD is specified in 1MHz, add 10log(1MHz/RBW) to the measured result, whereas RBW (< 1MHz) 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 RBW=100kHZ 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 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 11dBm + 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 6dB emission bandwidth of at least 500KHz for the band 5.715-5.85GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100kHz.
b) Set the video bandwidth (VBW) ≥ 3 × 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 6 dB 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 ≥ 3 * 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.

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 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 11dBm + 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 ≥ 3MHz.

(iv) Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is ≤ 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 ≥ 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 1 MHz 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 75 MHz 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:

EIRP = ((E*d)^2) / 30

where:

• E is the field strength in V/m;

• d is the measurement distance in meters;

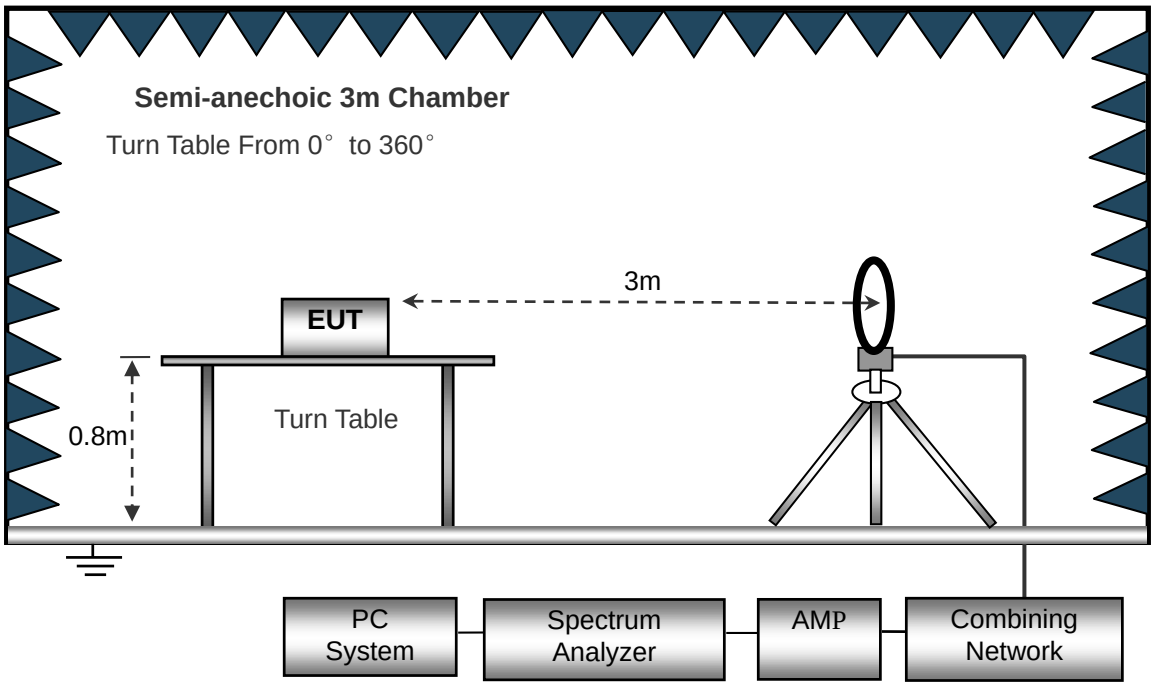
• EIRP is the equivalent isotropically radiated power in watts.

8.2 Test Procedure

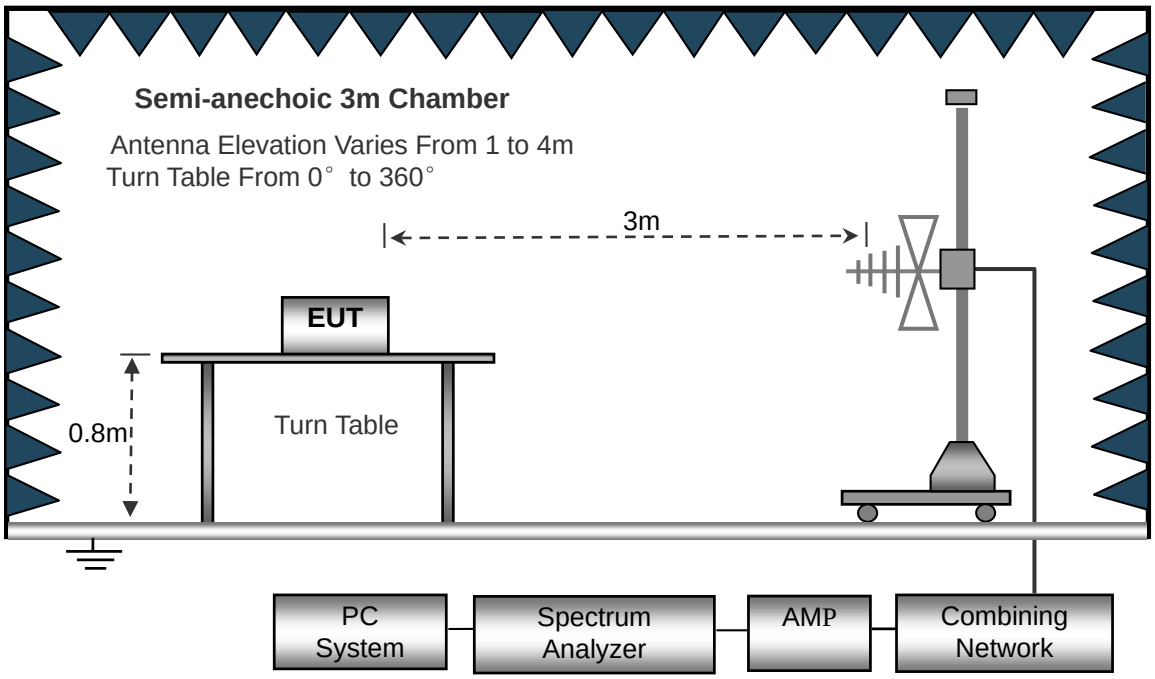
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

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.

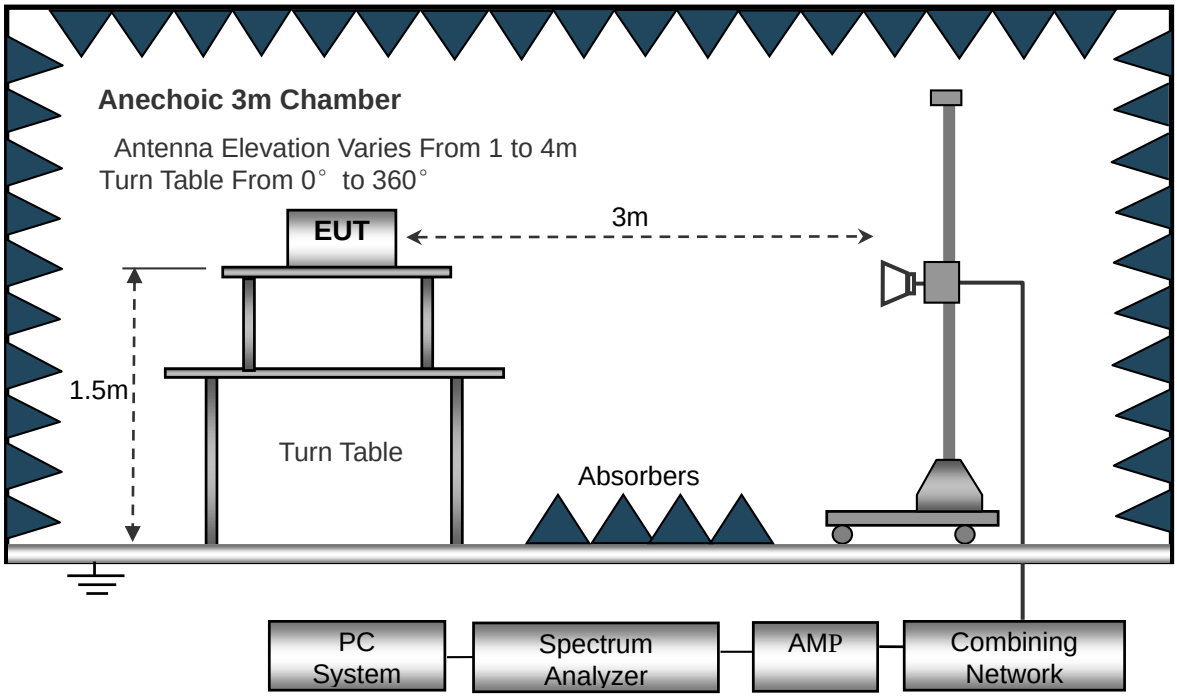
The test setup for emission measurement below 30MHz.



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



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:

Corr. Ampl. = Indicated Reading + Ant. Factor + Cable Loss – 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:

Margin = Corr. Ampl. – FCC Part 15 Limit

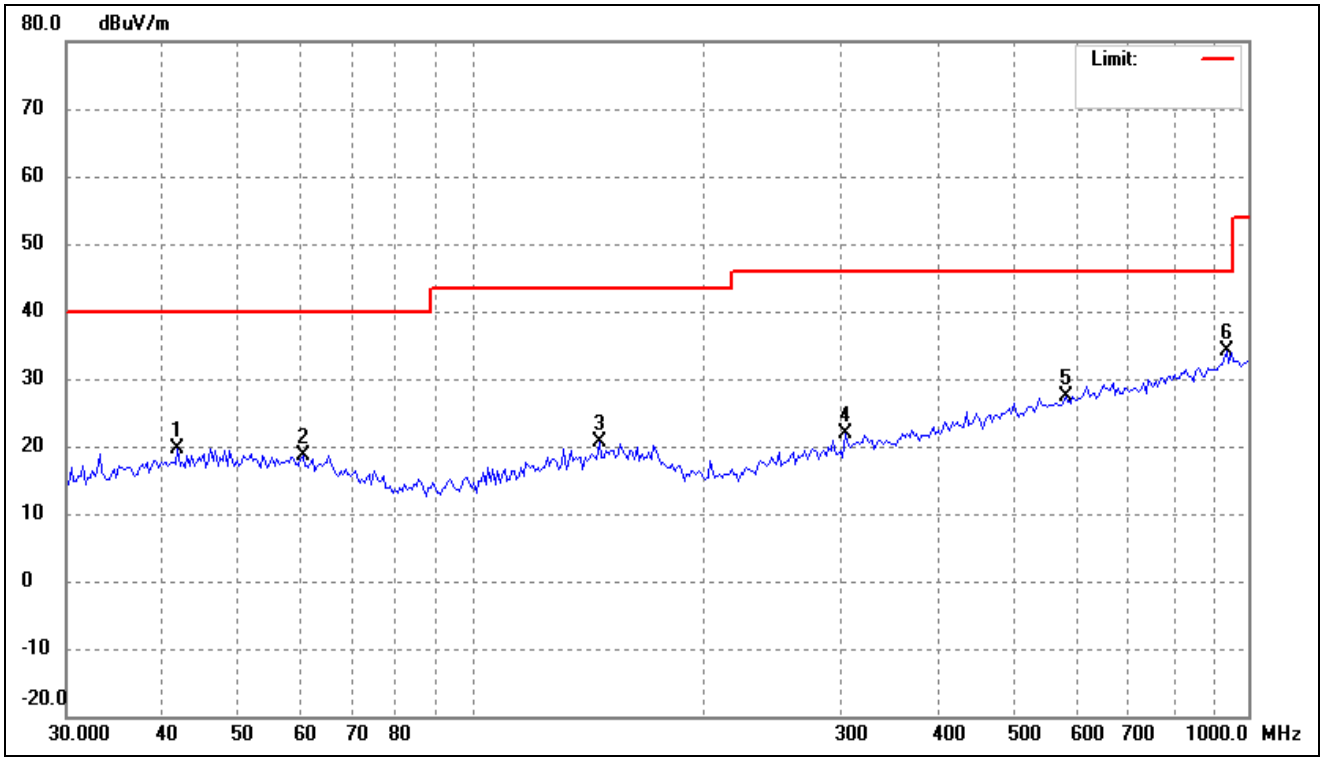
8.5 Summary of Test Results/Plots

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

- Spurious Emission From 30MHz to 1GHz

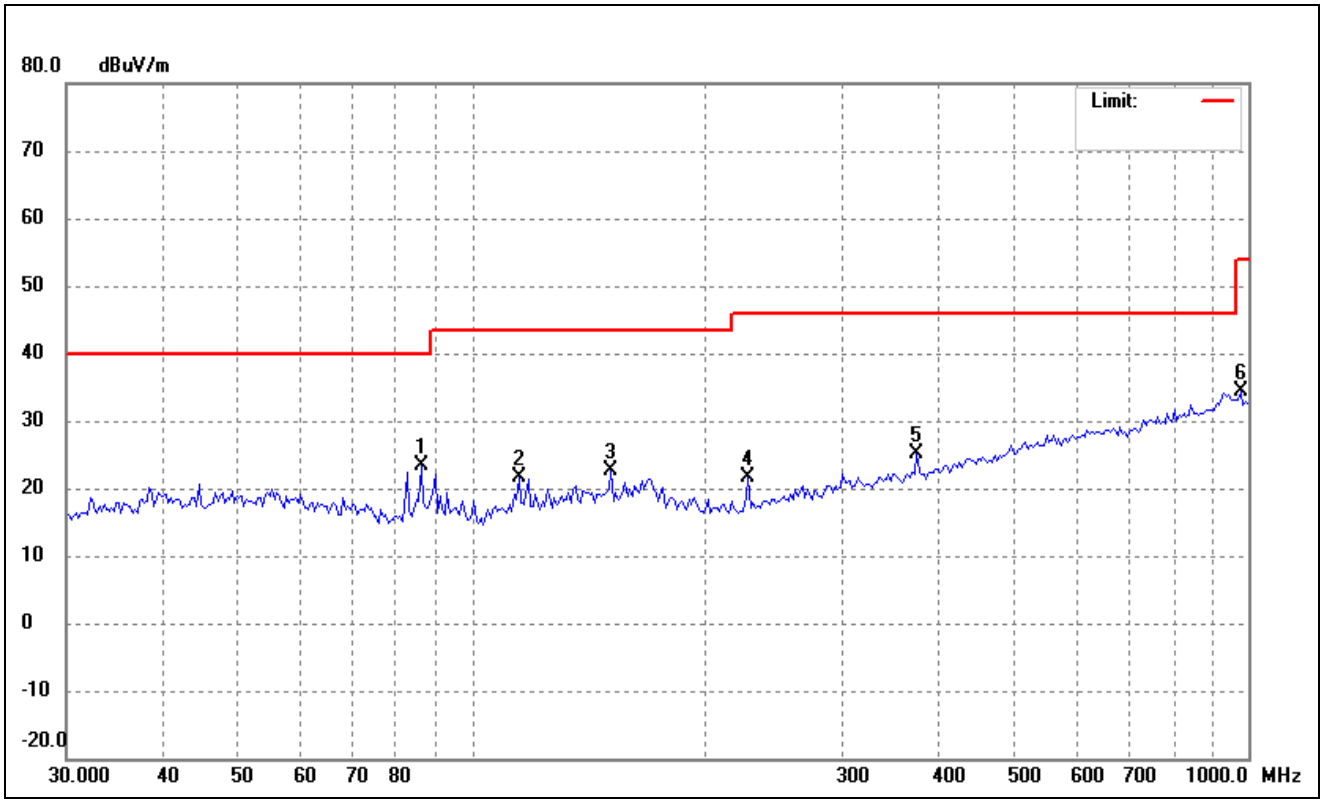
- Antenna 0
- 5150-5250MHz

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



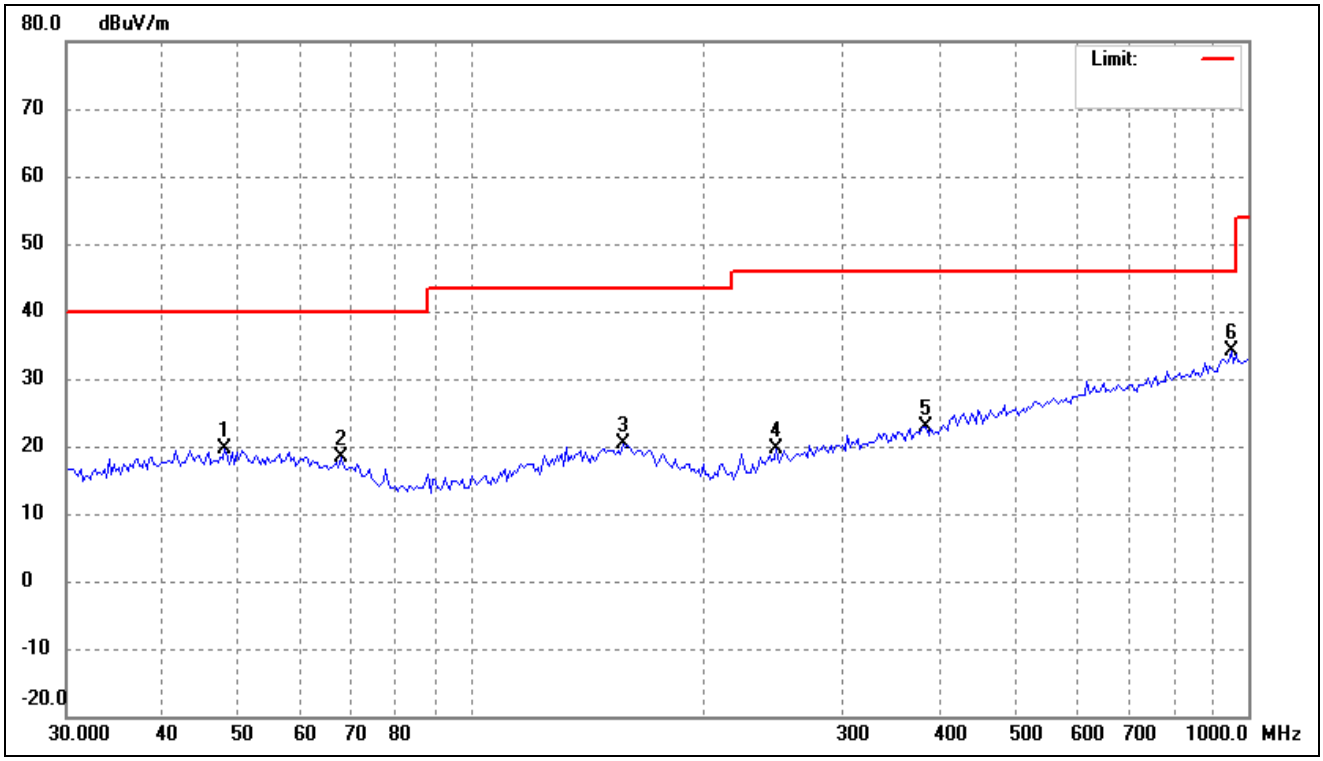
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	28.02	-8.47	19.55	40.00	-20.45	-	-	peak
2	60.5769	27.70	-9.04	18.66	40.00	-21.34	-	-	peak
3	145.8109	29.60	-8.95	20.65	43.50	-22.85	-	-	peak
4	302.8193	29.98	-8.18	21.80	46.00	-24.20	-	-	peak
5	582.1122	29.59	-2.11	27.48	46.00	-18.52	-	-	peak
6	938.7139	32.22	2.01	34.23	46.00	-11.77	-	-	peak

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



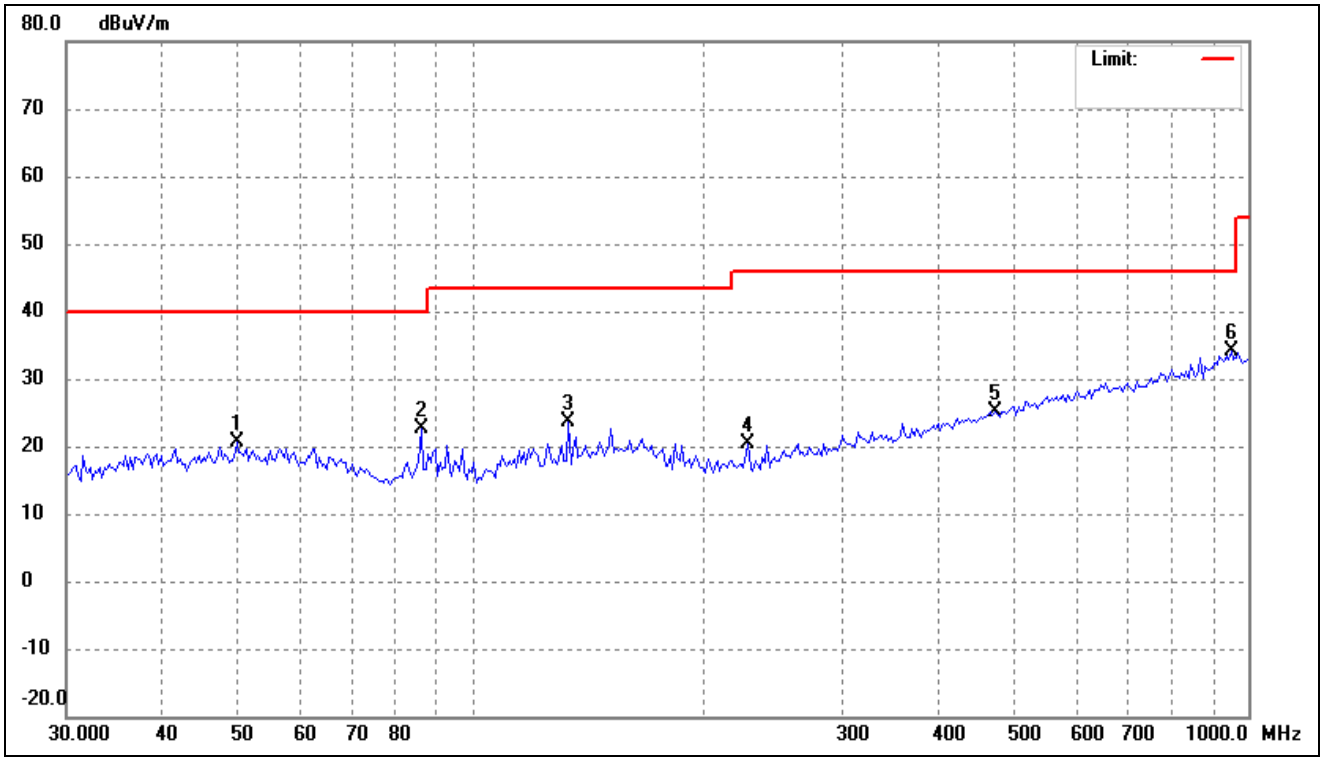
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	86.0795	36.39	-13.04	23.35	40.00	-16.65	-	-	peak
2	114.8224	32.70	-11.07	21.63	43.50	-21.87	-	-	peak
3	151.0252	31.23	-8.61	22.62	43.50	-20.88	-	-	peak
4	227.0164	33.28	-11.76	21.52	46.00	-24.48	-	-	peak
5	373.8861	31.59	-6.50	25.09	46.00	-20.91	-	-	peak
6	979.1392	32.02	2.28	34.30	54.00	-19.70	-	-	peak

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



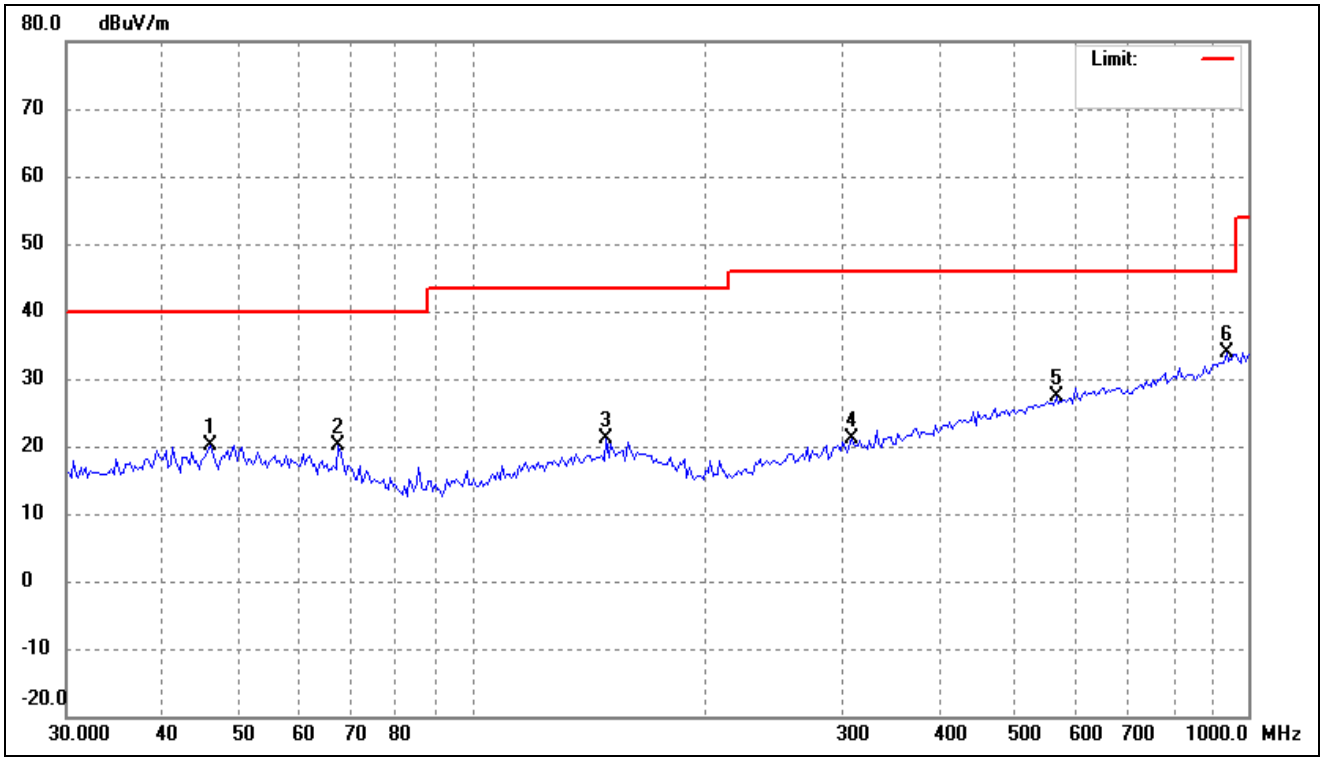
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	27.75	-8.23	19.52	40.00	-20.48	-	-	peak
2	67.7856	28.76	-10.36	18.40	40.00	-21.60	-	-	peak
3	156.4259	28.87	-8.60	20.27	43.50	-23.23	-	-	peak
4	246.9901	29.83	-10.30	19.53	46.00	-26.47	-	-	peak
5	381.8520	29.14	-6.33	22.81	46.00	-23.19	-	-	peak
6	952.0001	31.87	2.25	34.12	46.00	-11.88	-	-	peak

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



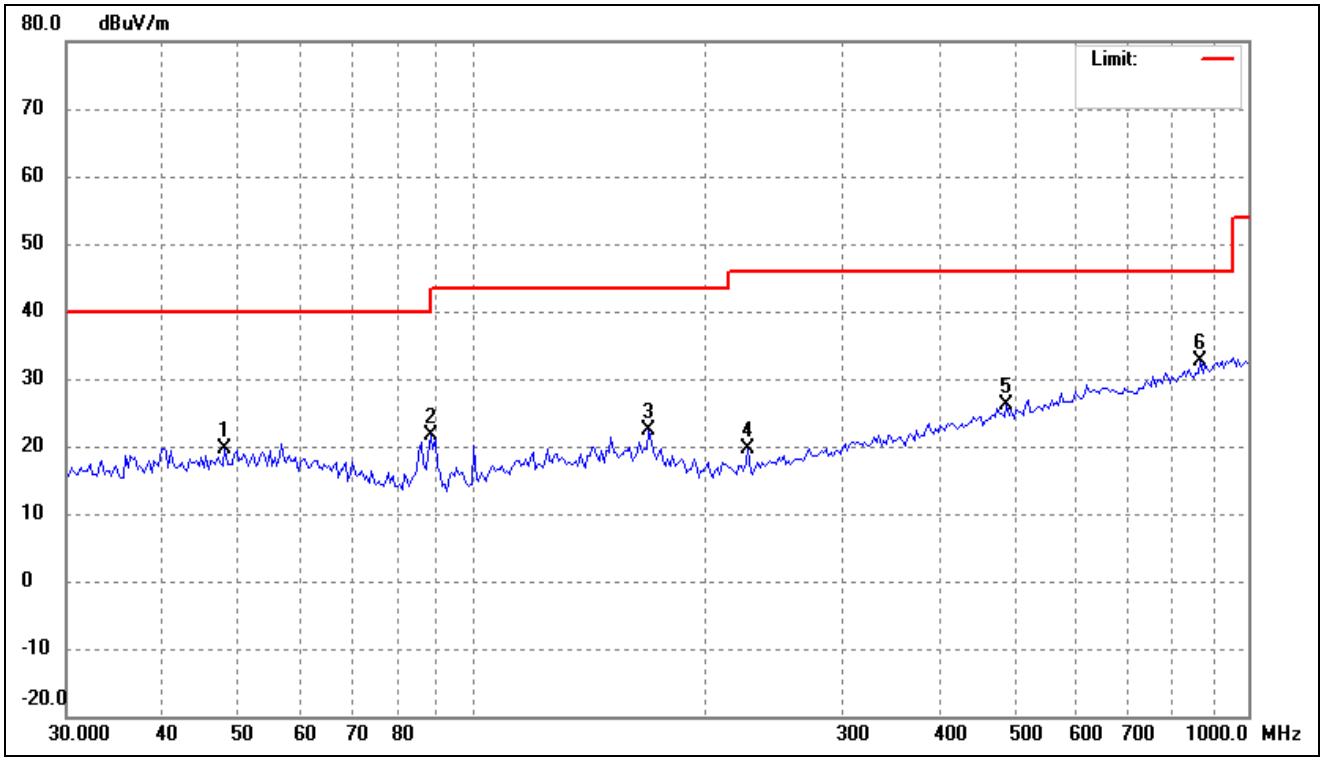
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.7571	28.64	-8.09	20.55	40.00	-19.45	-	-	peak
2	86.0795	35.55	-13.04	22.51	40.00	-17.49	-	-	peak
3	133.0809	33.38	-9.72	23.66	43.50	-19.84	-	-	peak
4	227.0164	32.19	-11.76	20.43	46.00	-25.57	-	-	peak
5	471.4665	29.48	-4.29	25.19	46.00	-20.81	-	-	peak
6	952.0001	31.94	2.25	34.19	46.00	-11.81	-	-	peak

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



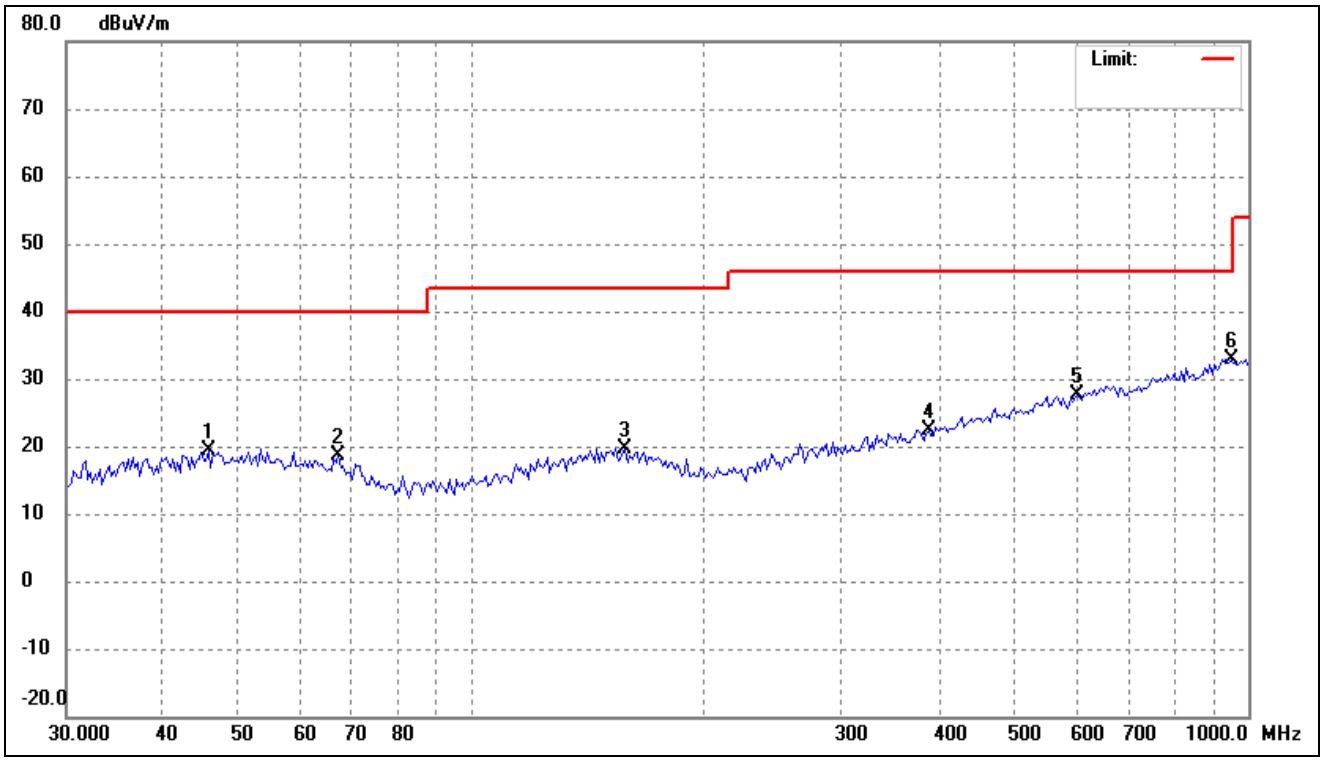
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.0558	28.39	-8.38	20.01	40.00	-19.99	-	-	peak
2	67.3109	30.46	-10.27	20.19	40.00	-19.81	-	-	peak
3	148.9175	29.73	-8.68	21.05	43.50	-22.45	-	-	peak
4	309.2710	29.15	-8.00	21.15	46.00	-24.85	-	-	peak
5	565.9776	29.93	-2.47	27.46	46.00	-18.54	-	-	peak
6	938.7139	31.98	2.01	33.99	46.00	-12.01	-	-	peak

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



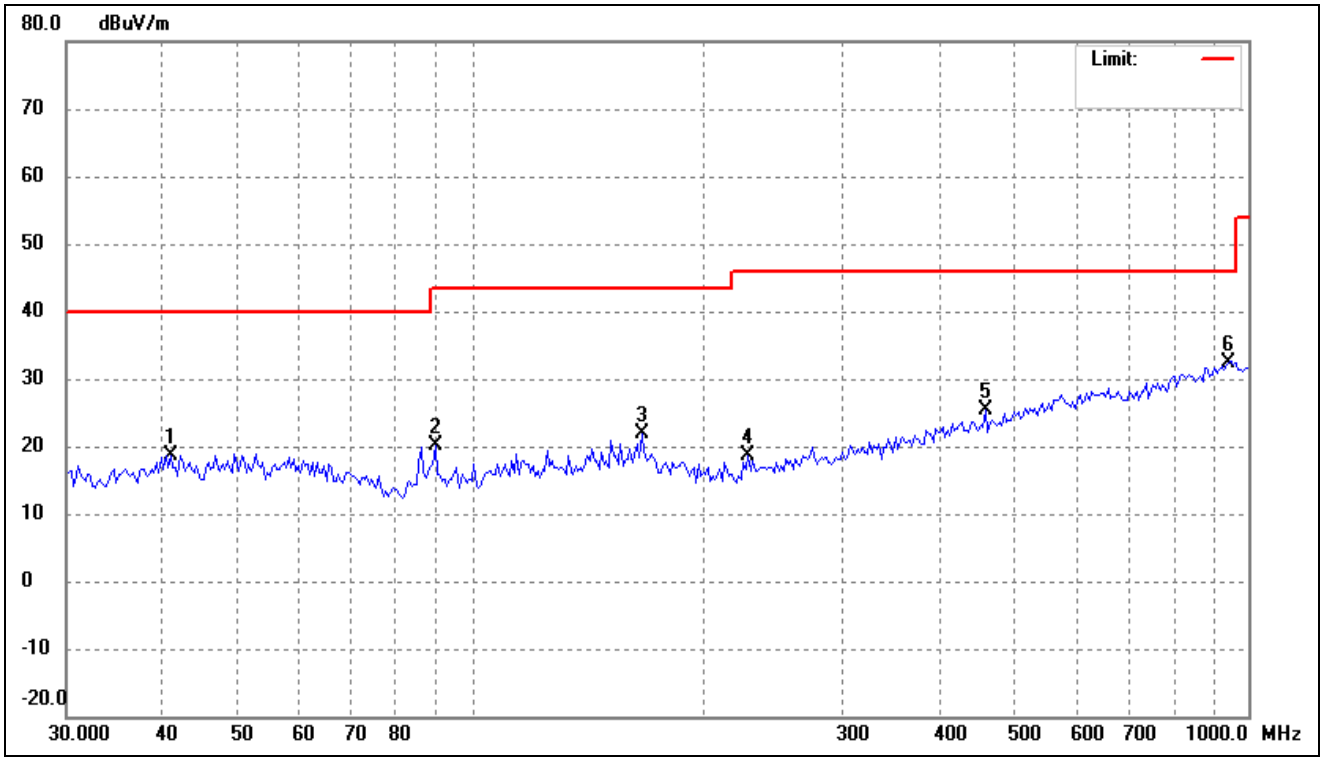
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	27.83	-8.23	19.60	40.00	-20.40	-	-	peak
2	88.5336	34.83	-13.09	21.74	43.50	-21.76	-	-	peak
3	168.9970	31.25	-8.85	22.40	43.50	-21.10	-	-	peak
4	227.0164	31.43	-11.76	19.67	46.00	-26.33	-	-	peak
5	488.3263	30.23	-4.06	26.17	46.00	-19.83	-	-	peak
6	868.8860	31.74	0.91	32.65	46.00	-13.35	-	-	peak

802.11ac-VHT20			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



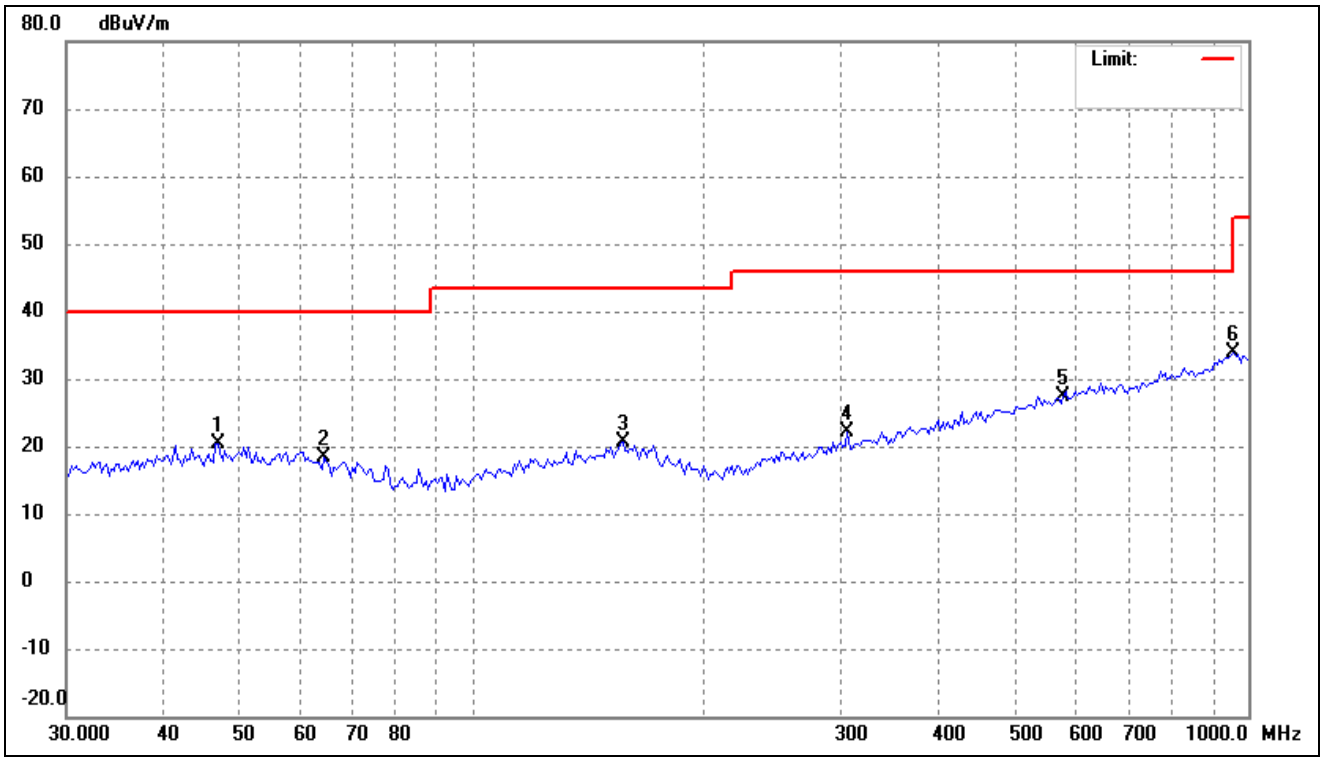
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.7333	27.78	-8.41	19.37	40.00	-20.63	-	-	peak
2	67.3109	28.90	-10.27	18.63	40.00	-21.37	-	-	peak
3	157.5290	28.33	-8.61	19.72	43.50	-23.78	-	-	peak
4	387.2565	28.70	-6.22	22.48	46.00	-23.52	-	-	peak
5	602.9287	29.31	-1.71	27.60	46.00	-18.40	-	-	peak
6	952.0001	30.60	2.25	32.85	46.00	-13.15	-	-	peak

802.11ac-VHT20			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



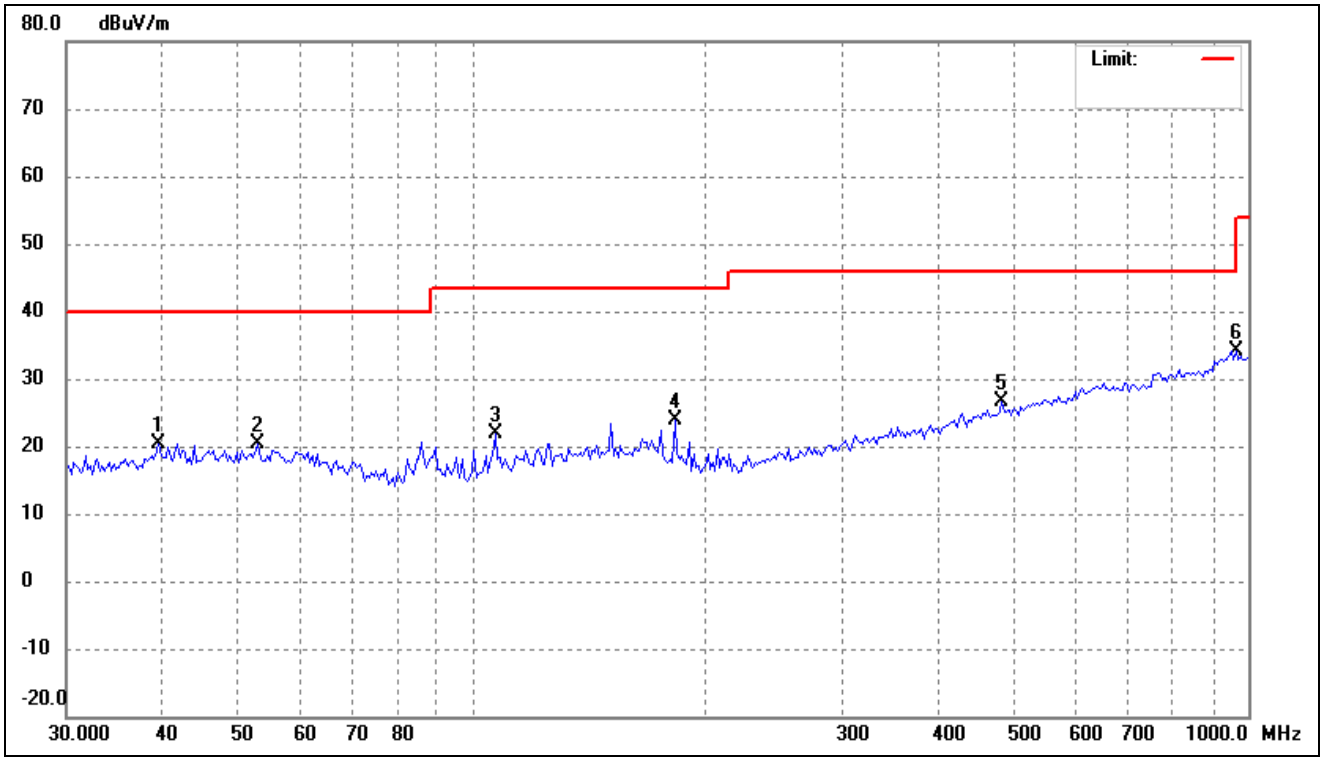
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8699	27.22	-8.47	18.75	40.00	-21.25	-	-	peak
2	89.7866	33.15	-13.10	20.05	43.50	-23.45	-	-	peak
3	165.4716	30.69	-8.76	21.93	43.50	-21.57	-	-	peak
4	227.0164	30.33	-11.76	18.57	46.00	-27.43	-	-	peak
5	458.3987	29.77	-4.47	25.30	46.00	-20.70	-	-	peak
6	945.3336	30.24	2.15	32.39	46.00	-13.61	-	-	peak

802.11ac-VHT40			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



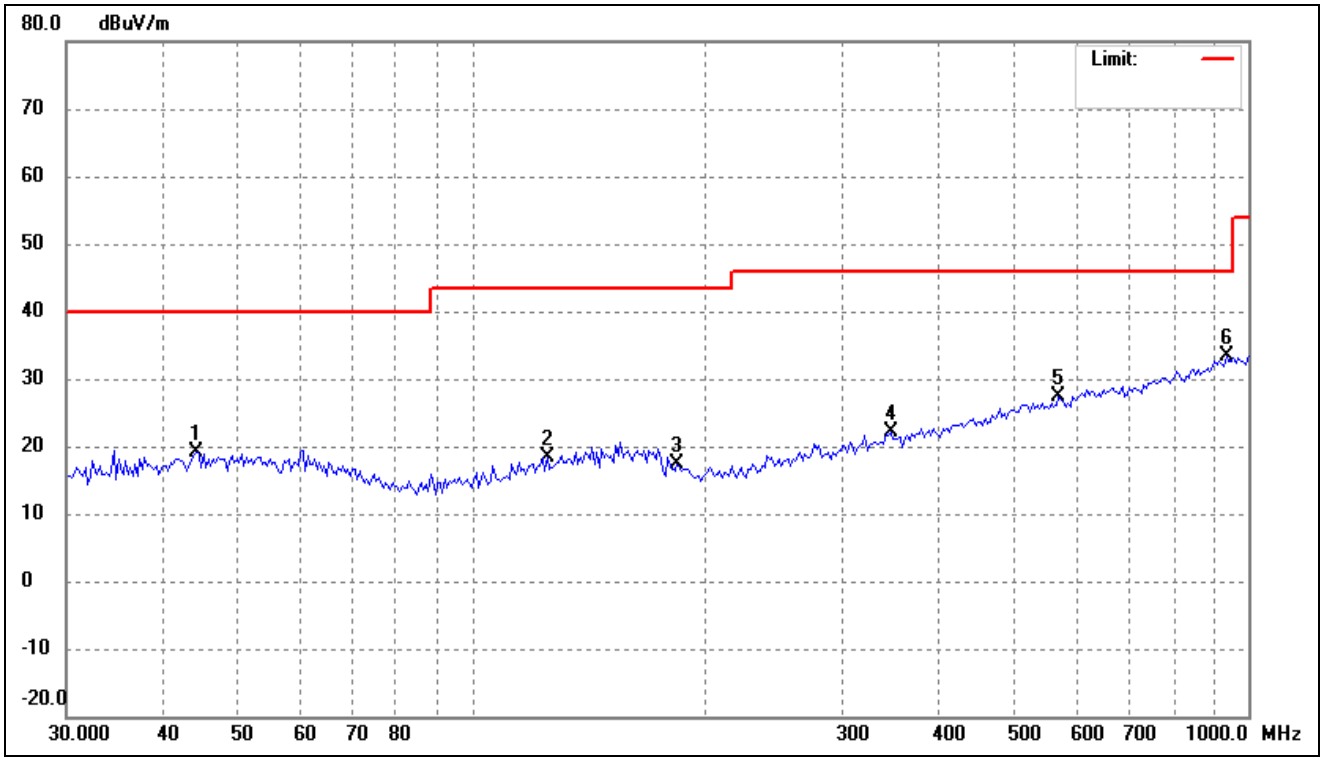
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.0371	28.64	-8.32	20.32	40.00	-19.68	-	-	peak
2	64.5319	28.06	-9.76	18.30	40.00	-21.70	-	-	peak
3	156.4259	29.34	-8.60	20.74	43.50	-22.76	-	-	peak
4	304.9548	30.17	-8.12	22.05	46.00	-23.95	-	-	peak
5	578.0359	29.67	-2.19	27.48	46.00	-18.52	-	-	peak
6	958.7135	31.62	2.26	33.88	46.00	-12.12	-	-	peak

802.11ac-VHT40			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



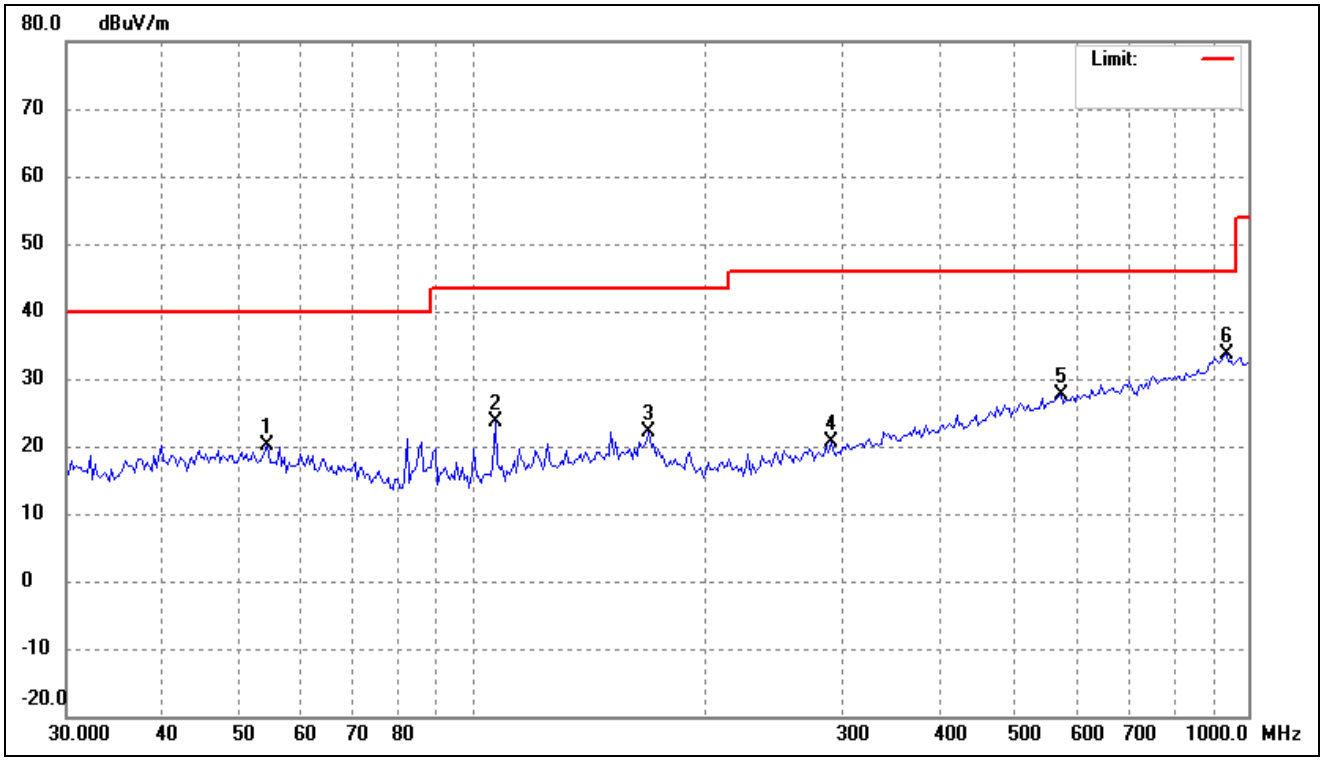
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.4588	29.08	-8.60	20.48	40.00	-19.52	-	-	peak
2	53.0056	28.79	-8.41	20.38	40.00	-19.62	-	-	peak
3	107.0306	33.68	-11.85	21.83	43.50	-21.67	-	-	peak
4	182.5785	34.43	-10.60	23.83	43.50	-19.67	-	-	peak
5	481.5112	30.81	-4.15	26.66	46.00	-19.34	-	-	peak
6	965.4742	31.88	2.27	34.15	54.00	-19.85	-	-	peak

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



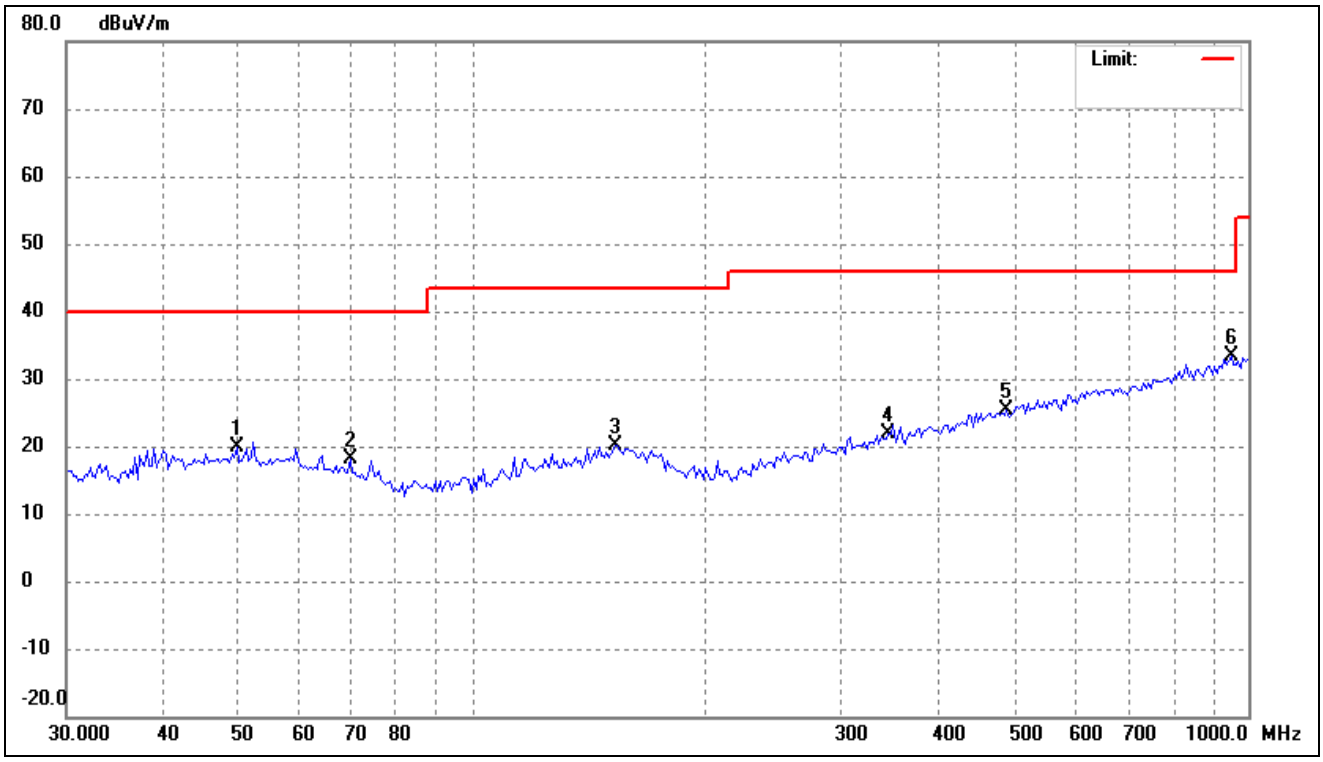
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	44.1544	27.56	-8.47	19.09	40.00	-20.91	-	-	peak
2	124.9249	28.64	-10.19	18.45	43.50	-25.05	-	-	peak
3	183.8660	28.07	-10.74	17.33	43.50	-26.17	-	-	peak
4	346.0740	29.34	-7.18	22.16	46.00	-23.84	-	-	peak
5	569.9688	29.70	-2.36	27.34	46.00	-18.66	-	-	peak
6	938.7139	31.36	2.01	33.37	46.00	-12.63	-	-	peak

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



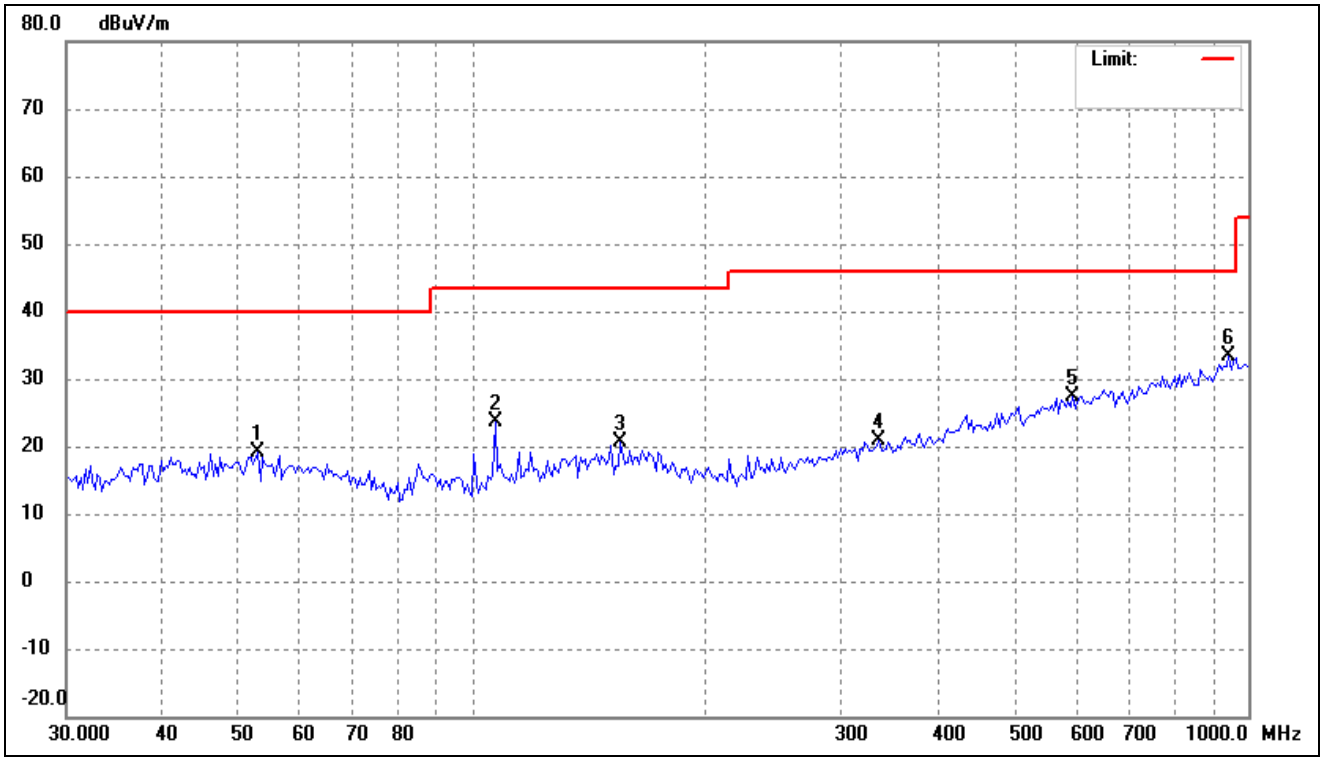
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	54.5167	28.77	-8.57	20.20	40.00	-19.80	-	-	peak
2	107.0306	35.52	-11.85	23.67	43.50	-19.83	-	-	peak
3	168.9970	30.99	-8.85	22.14	43.50	-21.36	-	-	peak
4	290.3170	29.14	-8.58	20.56	46.00	-25.44	-	-	peak
5	573.9882	29.92	-2.27	27.65	46.00	-18.35	-	-	peak
6	938.7139	31.59	2.01	33.60	46.00	-12.40	-	-	peak

802.11ax-HE20			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



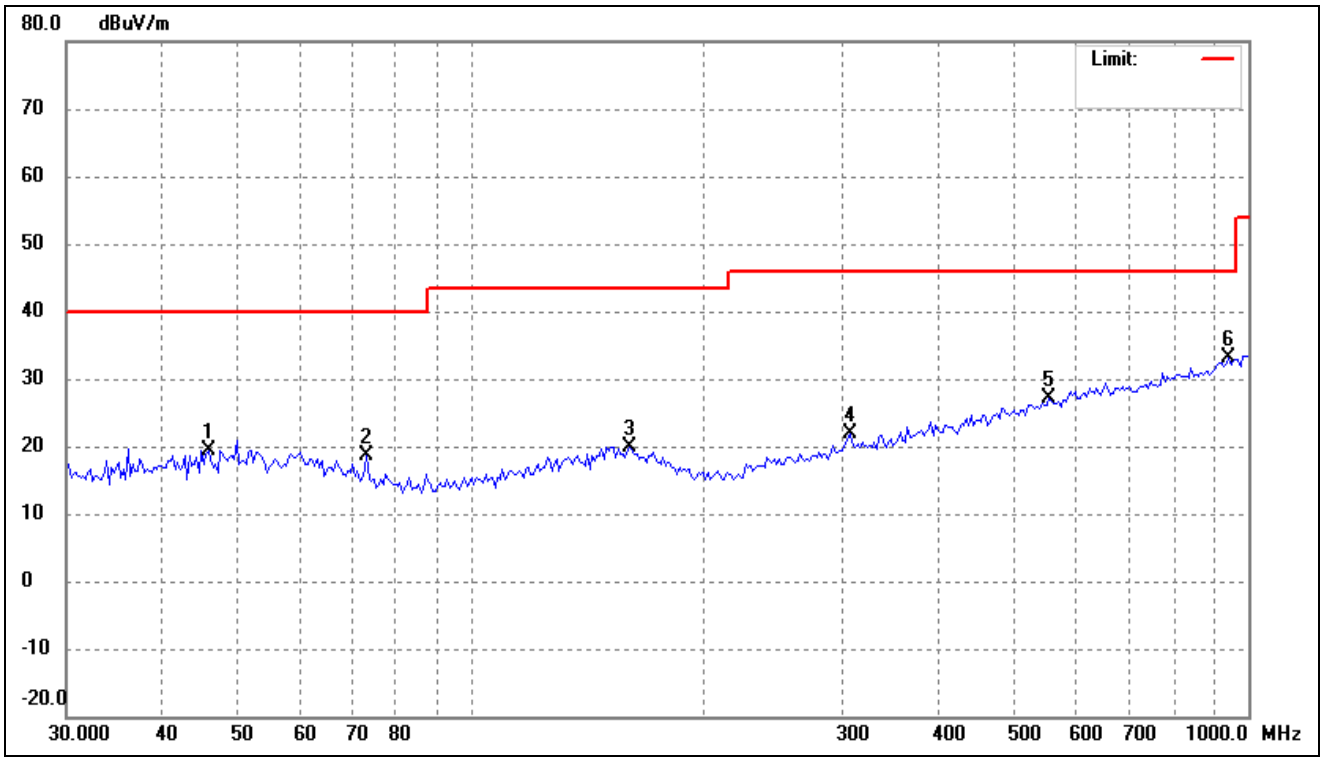
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.7571	27.93	-8.09	19.84	40.00	-20.16	-	-	peak
2	69.7179	28.89	-10.71	18.18	40.00	-21.82	-	-	peak
3	153.1627	28.72	-8.61	20.11	43.50	-23.39	-	-	peak
4	343.6506	29.14	-7.22	21.92	46.00	-24.08	-	-	peak
5	488.3263	29.41	-4.06	25.35	46.00	-20.65	-	-	peak
6	952.0001	31.05	2.25	33.30	46.00	-12.70	-	-	peak

802.11ax-HE20			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



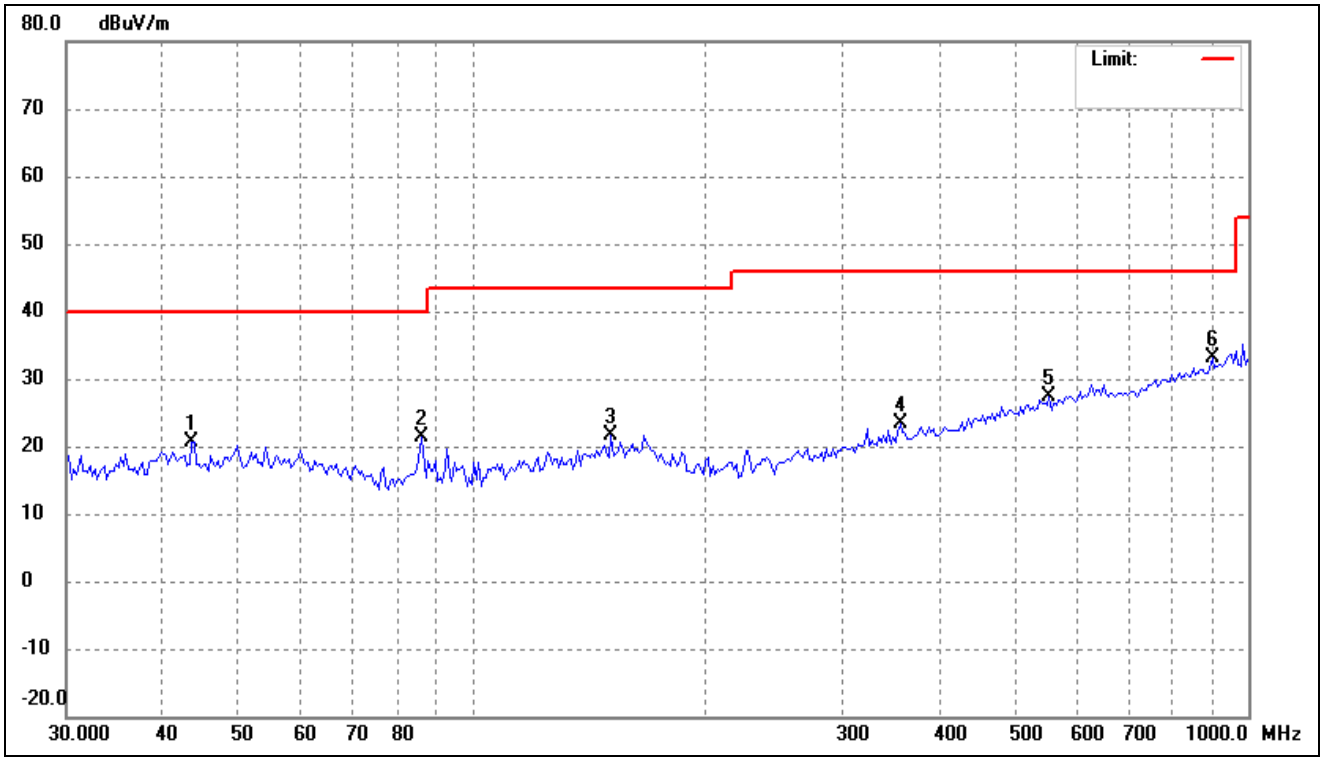
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.0056	27.52	-8.41	19.11	40.00	-20.89	-	-	peak
2	107.0306	35.52	-11.85	23.67	43.50	-19.83	-	-	peak
3	155.3305	29.33	-8.61	20.72	43.50	-22.78	-	-	peak
4	334.1255	28.26	-7.39	20.87	46.00	-25.13	-	-	peak
5	594.5143	29.12	-1.86	27.26	46.00	-18.74	-	-	peak
6	945.3336	31.28	2.15	33.43	46.00	-12.57	-	-	peak

802.11ax-HE40			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



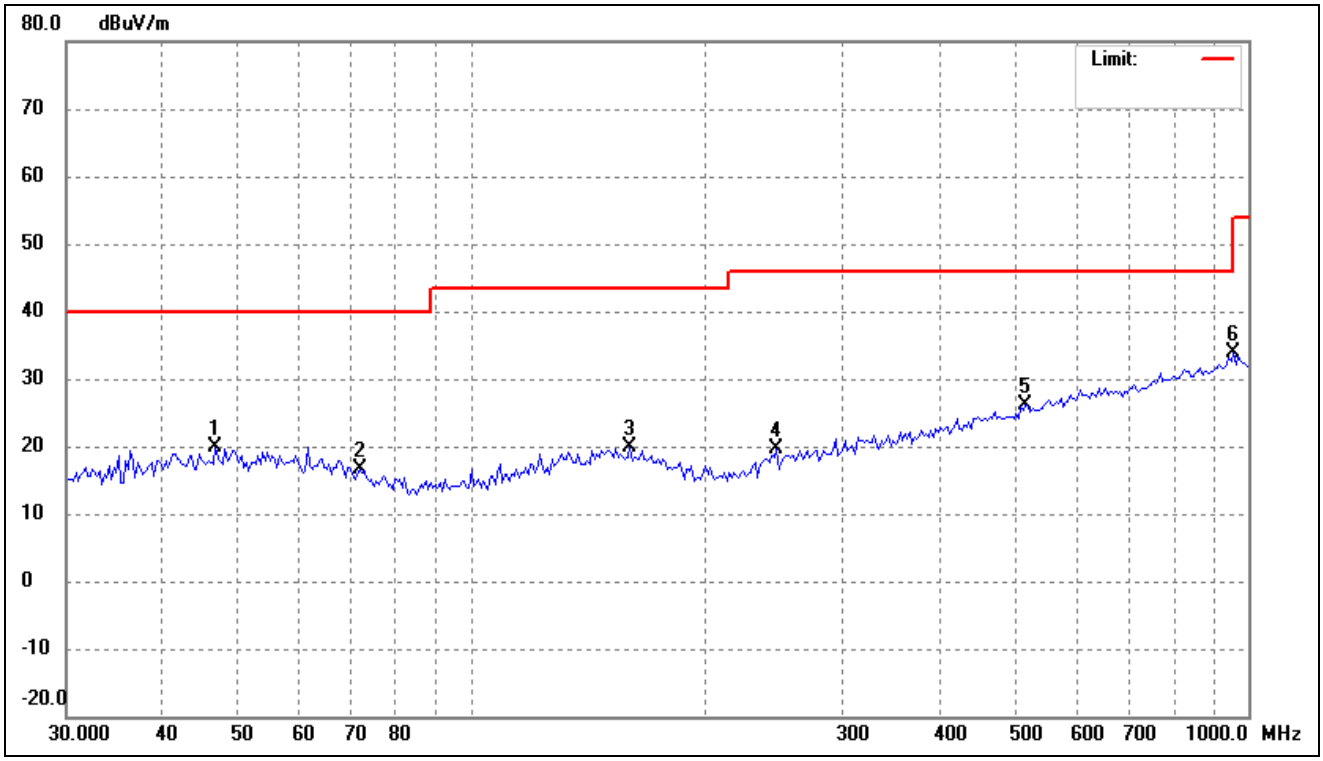
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.7333	27.81	-8.41	19.40	40.00	-20.60	-	-	peak
2	73.2331	30.16	-11.47	18.69	40.00	-21.31	-	-	peak
3	159.7586	28.54	-8.61	19.93	43.50	-23.57	-	-	peak
4	307.1053	29.96	-8.06	21.90	46.00	-24.10	-	-	peak
5	554.1708	29.78	-2.75	27.03	46.00	-18.97	-	-	peak
6	945.3336	31.02	2.15	33.17	46.00	-12.83	-	-	peak

802.11ax-HE40			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



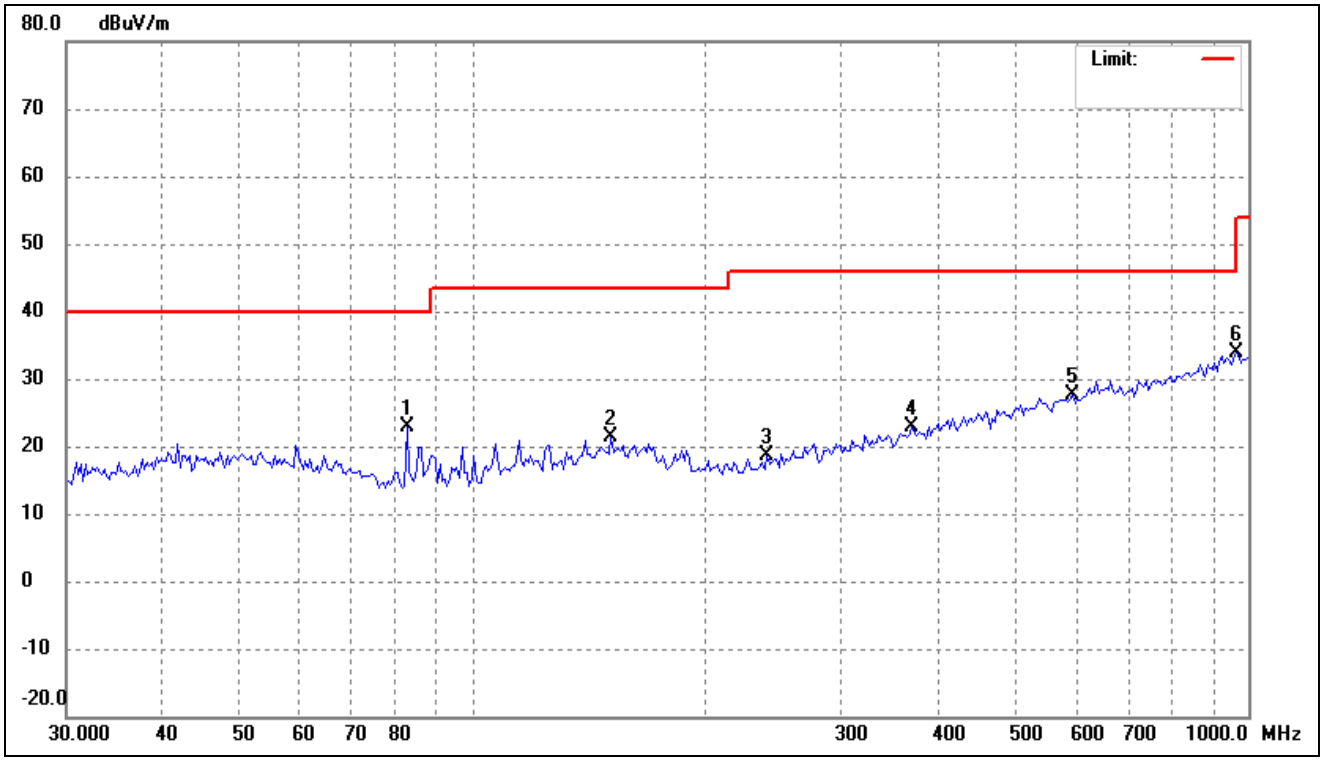
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.5381	29.20	-8.47	20.73	40.00	-19.27	-	-	peak
2	86.0796	34.35	-13.04	21.31	40.00	-18.69	-	-	peak
3	151.0252	30.27	-8.61	21.66	43.50	-21.84	-	-	peak
4	355.9397	30.34	-6.96	23.38	46.00	-22.62	-	-	peak
5	554.1708	30.02	-2.75	27.27	46.00	-18.73	-	-	peak
6	899.9577	31.85	1.19	33.04	46.00	-12.96	-	-	peak

802.11ax-HE80			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.7077	28.11	-8.34	19.77	40.00	-20.23	-	-	peak
2	71.7054	27.81	-11.14	16.67	40.00	-23.33	-	-	peak
3	159.7586	28.40	-8.61	19.79	43.50	-23.71	-	-	peak
4	246.9901	29.83	-10.30	19.53	46.00	-26.47	-	-	peak
5	516.5651	29.70	-3.65	26.05	46.00	-19.95	-	-	peak
6	958.7135	31.53	2.26	33.79	46.00	-12.21	-	-	peak

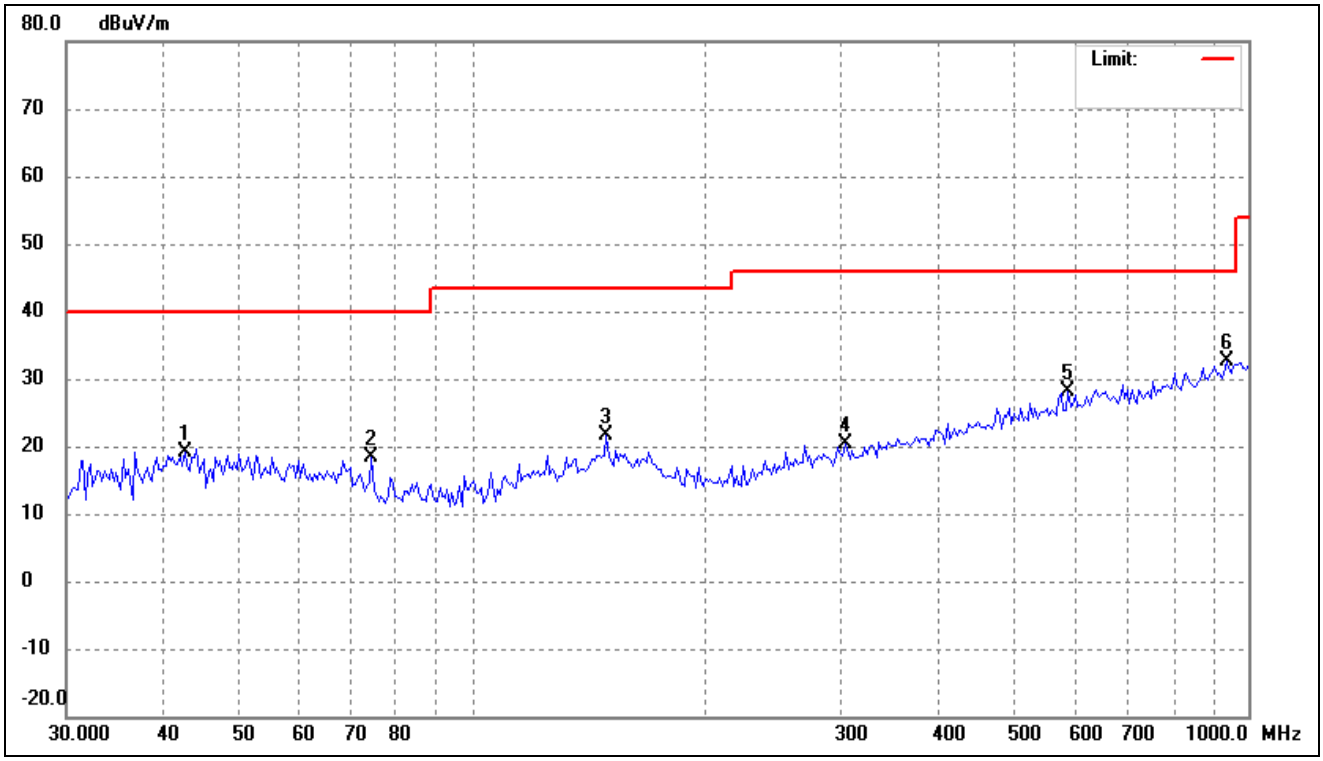
802.11ax-HE80			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	82.5257	35.91	-13.00	22.91	40.00	-17.09	-	-	peak
2	151.0252	29.92	-8.61	21.31	43.50	-22.19	-	-	peak
3	240.1442	29.06	-10.54	18.52	46.00	-27.48	-	-	peak
4	368.6682	29.57	-6.63	22.94	46.00	-23.06	-	-	peak
5	594.5143	29.50	-1.86	27.64	46.00	-18.36	-	-	peak
6	965.4742	31.52	2.27	33.79	54.00	-20.21	-	-	peak

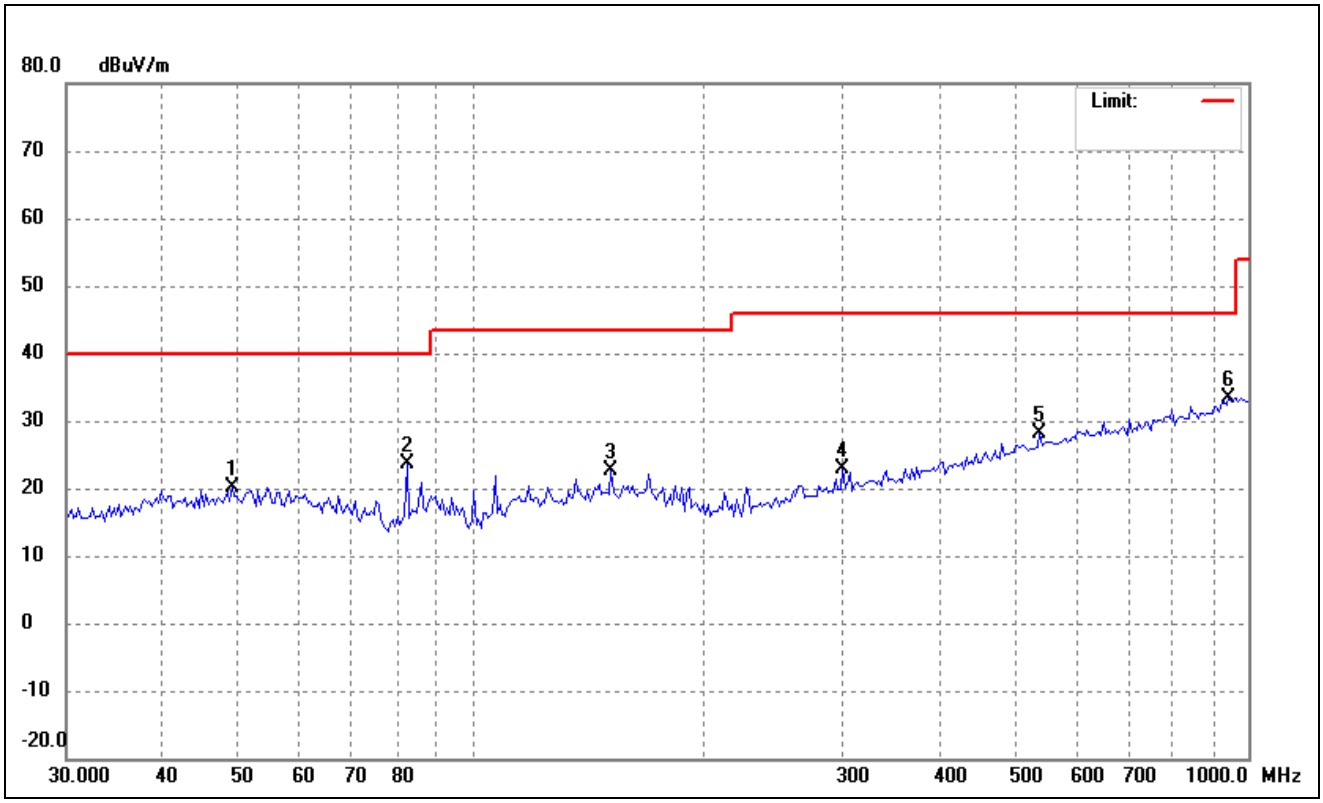
5250-5350MHz

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



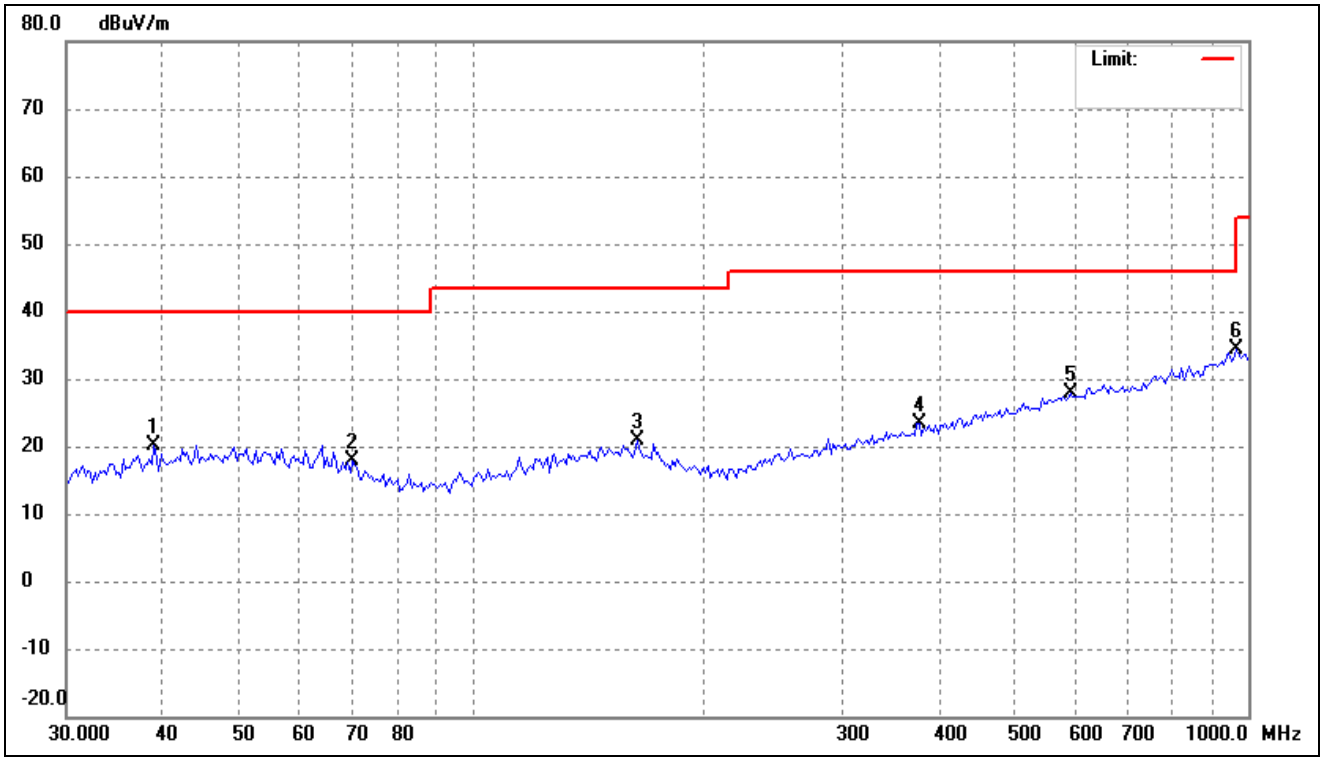
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.6299	27.71	-8.48	19.23	40.00	-20.77	-	-	peak
2	74.2696	29.97	-11.70	18.27	40.00	-21.73	-	-	peak
3	148.9175	30.42	-8.68	21.74	43.50	-21.76	-	-	peak
4	302.8193	28.68	-8.18	20.50	46.00	-25.50	-	-	peak
5	586.2172	30.22	-2.03	28.19	46.00	-17.81	-	-	peak
6	938.7139	30.62	2.01	32.63	46.00	-13.37	-	-	peak

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



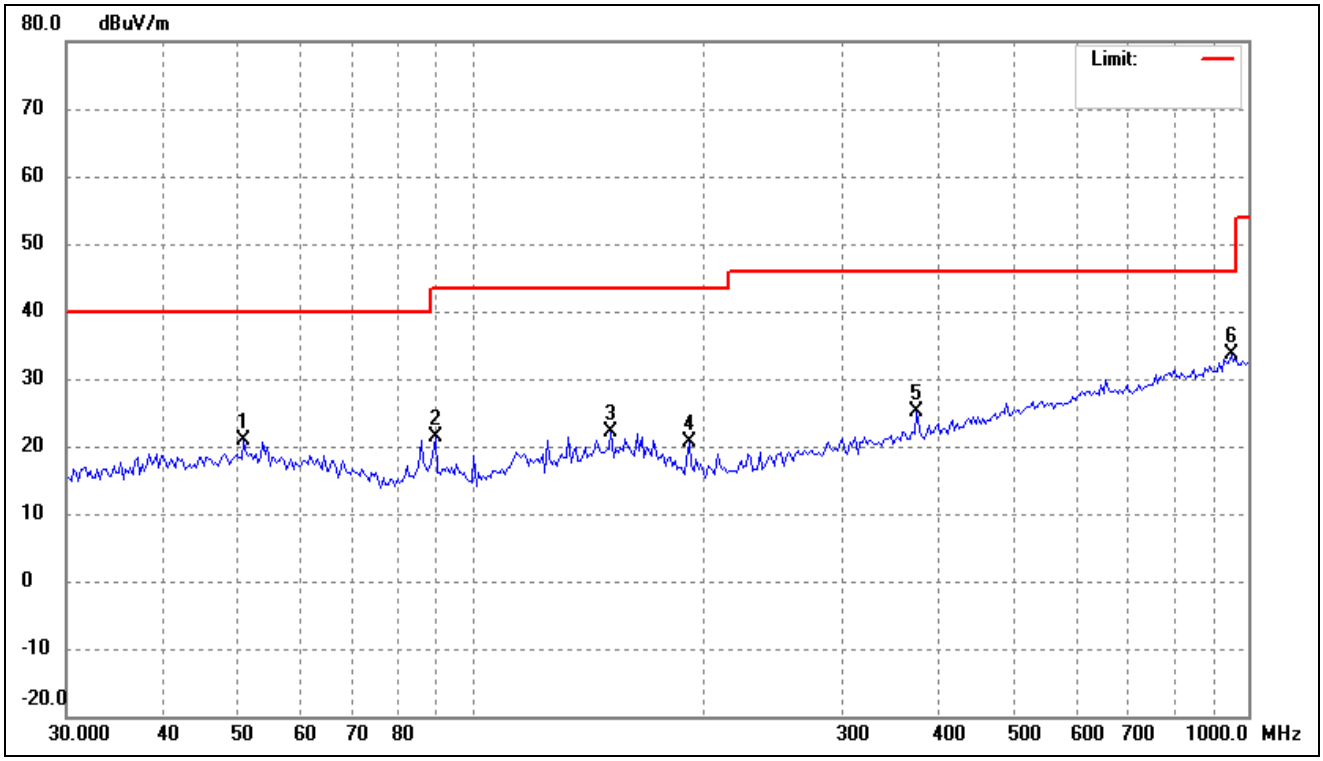
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	28.41	-8.16	20.25	40.00	-19.75	-	-	peak
2	82.5257	36.75	-13.00	23.75	40.00	-16.25	-	-	peak
3	151.0252	31.21	-8.61	22.60	43.50	-20.90	-	-	peak
4	300.6988	31.04	-8.24	22.80	46.00	-23.20	-	-	peak
5	538.8106	31.29	-3.15	28.14	46.00	-17.86	-	-	peak
6	945.3336	31.32	2.15	33.47	46.00	-12.53	-	-	peak

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



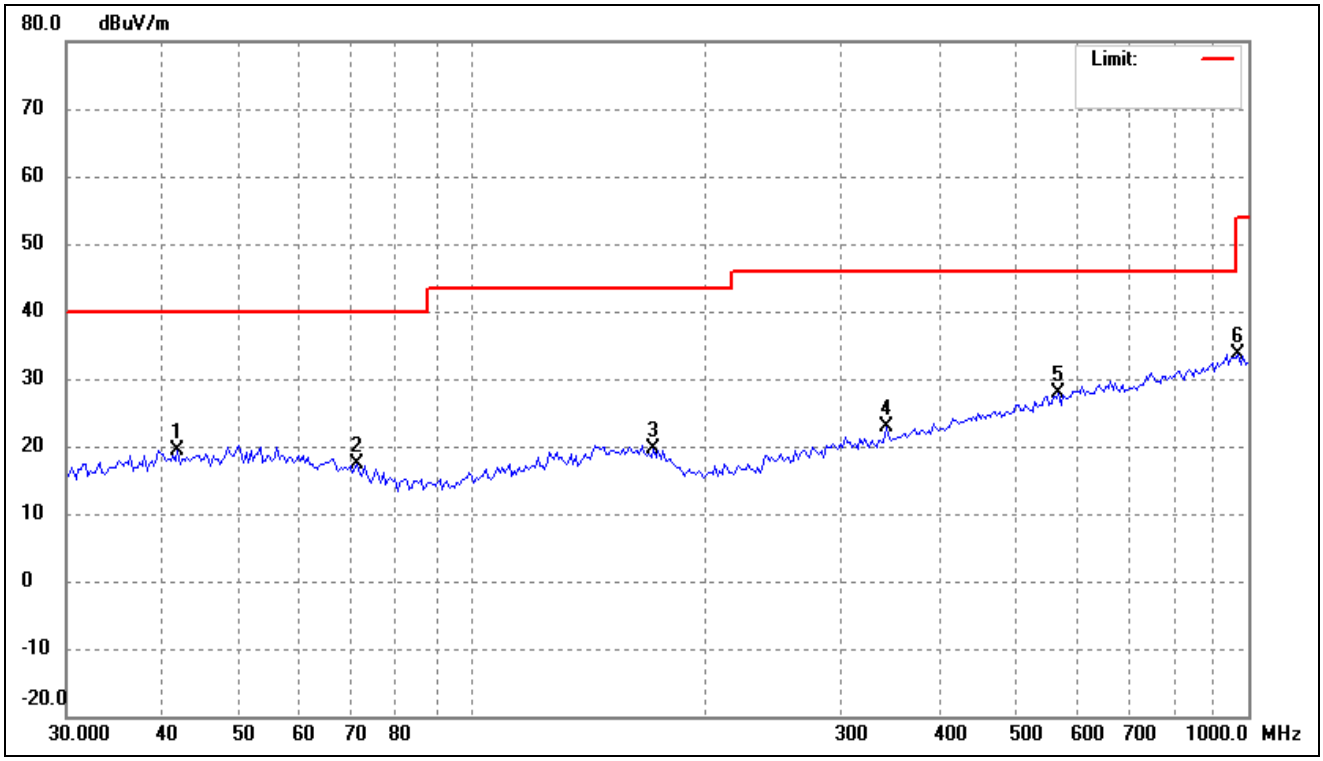
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.9081	28.93	-8.72	20.21	40.00	-19.79	-	-	peak
2	70.2096	28.81	-10.81	18.00	40.00	-22.00	-	-	peak
3	163.1623	29.49	-8.70	20.79	43.50	-22.71	-	-	peak
4	376.5227	29.78	-6.44	23.34	46.00	-22.66	-	-	peak
5	590.3511	29.82	-1.94	27.88	46.00	-18.12	-	-	peak
6	965.4742	32.04	2.27	34.31	54.00	-19.69	-	-	peak

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



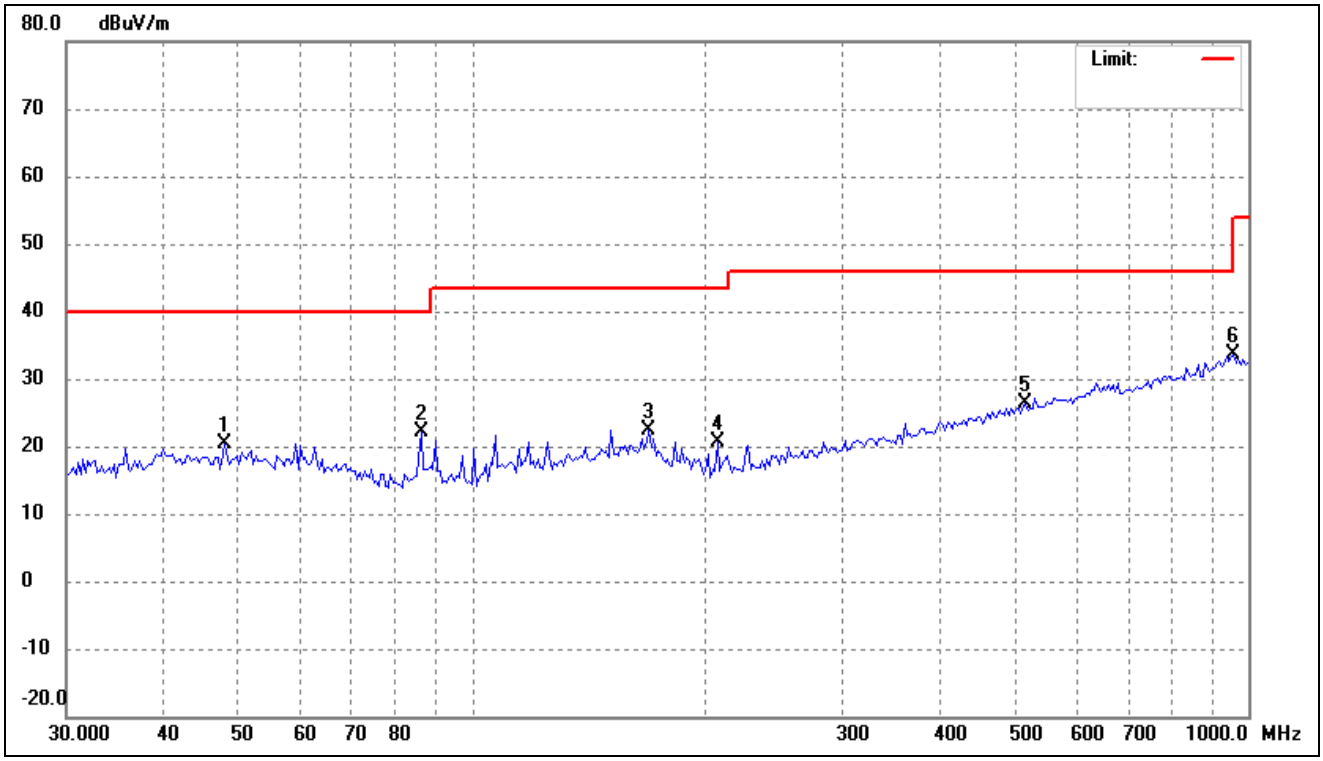
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.8172	29.04	-8.17	20.87	40.00	-19.13	-	-	peak
2	89.7866	34.60	-13.10	21.50	43.50	-22.00	-	-	peak
3	151.0252	30.72	-8.61	22.11	43.50	-21.39	-	-	peak
4	190.4411	32.03	-11.45	20.58	43.50	-22.92	-	-	peak
5	373.8861	31.61	-6.50	25.11	46.00	-20.89	-	-	peak
6	952.0001	31.44	2.25	33.69	46.00	-12.31	-	-	peak

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



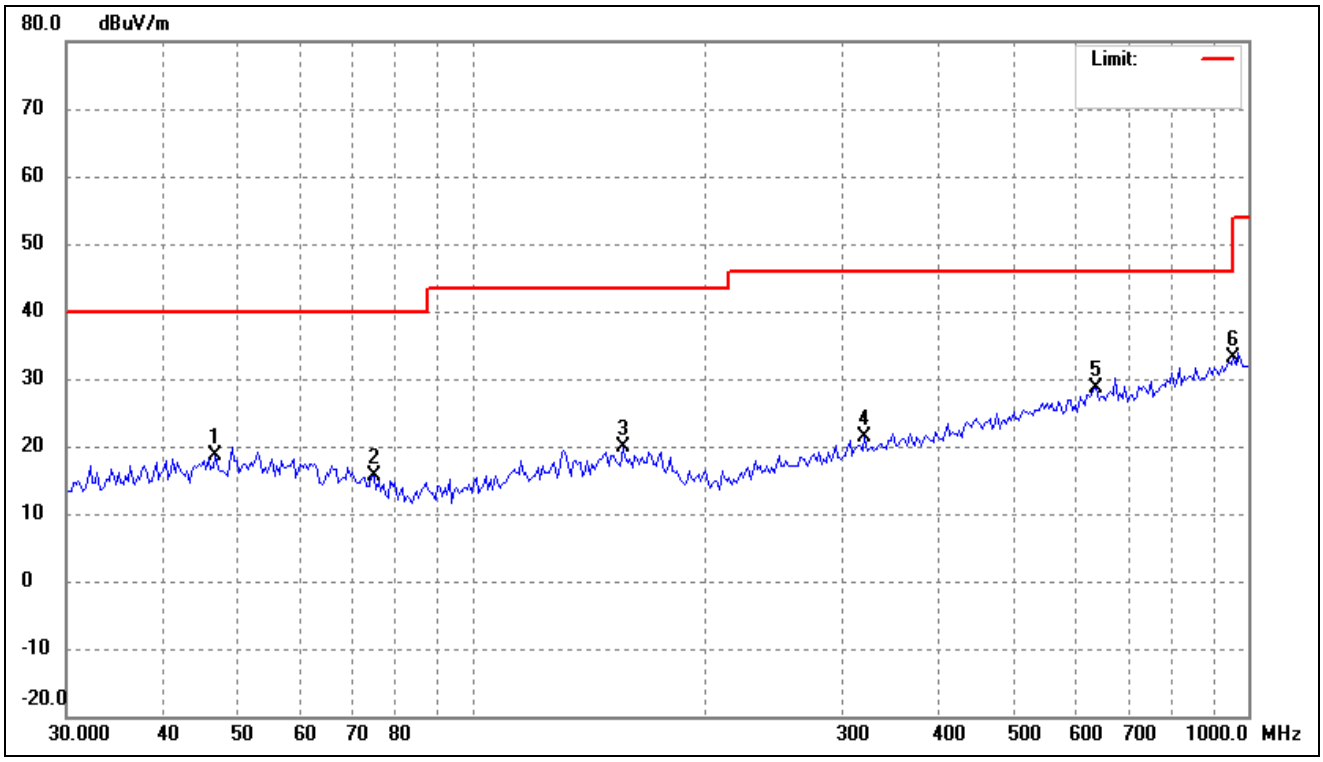
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	27.73	-8.47	19.26	40.00	-20.74	-	-	peak
2	71.2033	28.39	-11.03	17.36	40.00	-22.64	-	-	peak
3	171.3890	28.73	-9.08	19.65	43.50	-23.85	-	-	peak
4	341.2442	30.25	-7.26	22.99	46.00	-23.01	-	-	peak
5	569.9688	30.33	-2.36	27.97	46.00	-18.03	-	-	peak
6	972.2827	31.29	2.27	33.56	54.00	-20.44	-	-	peak

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



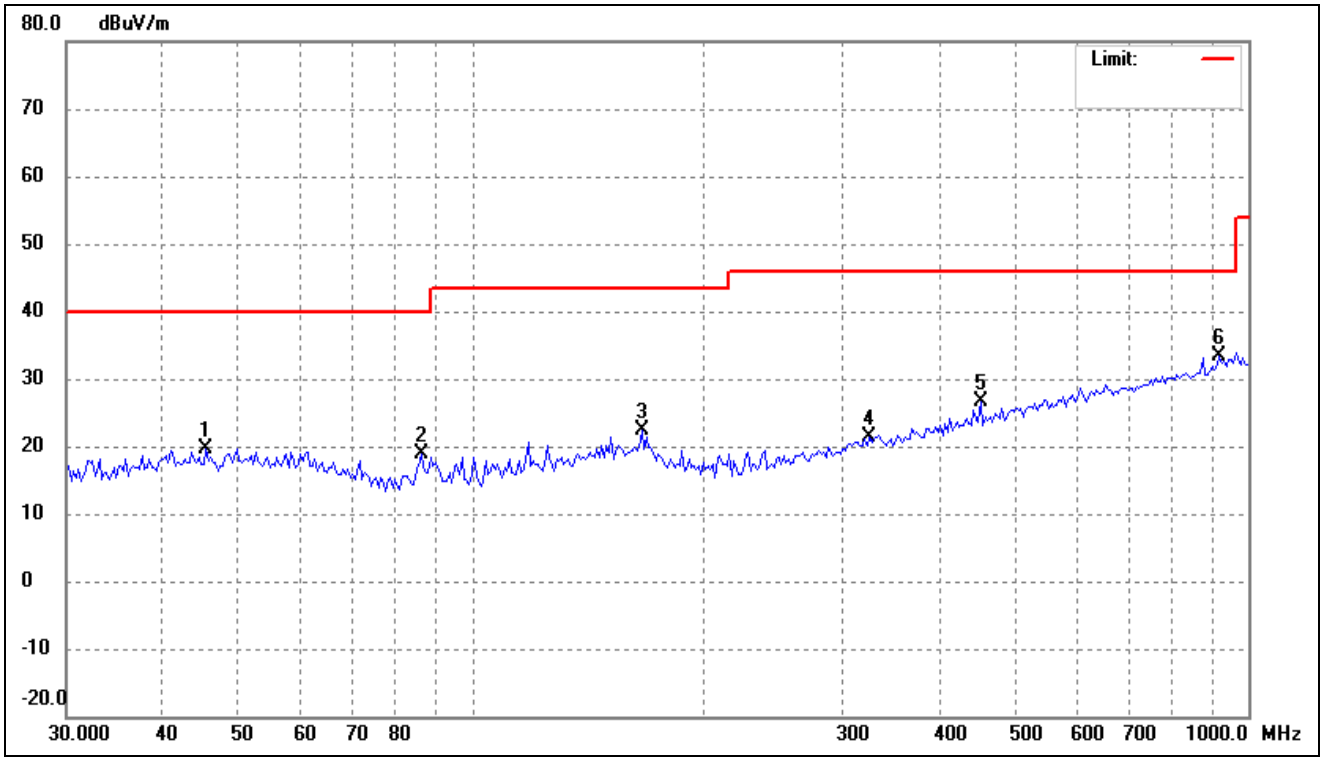
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	28.66	-8.23	20.43	40.00	-19.57	-	-	peak
2	86.0796	35.13	-13.04	22.09	40.00	-17.91	-	-	peak
3	168.9970	31.27	-8.85	22.42	43.50	-21.08	-	-	peak
4	207.1968	32.76	-12.13	20.63	43.50	-22.87	-	-	peak
5	516.5651	30.15	-3.65	26.50	46.00	-19.50	-	-	peak
6	958.7135	31.45	2.26	33.71	46.00	-12.29	-	-	peak

802.11ac-VHT20			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



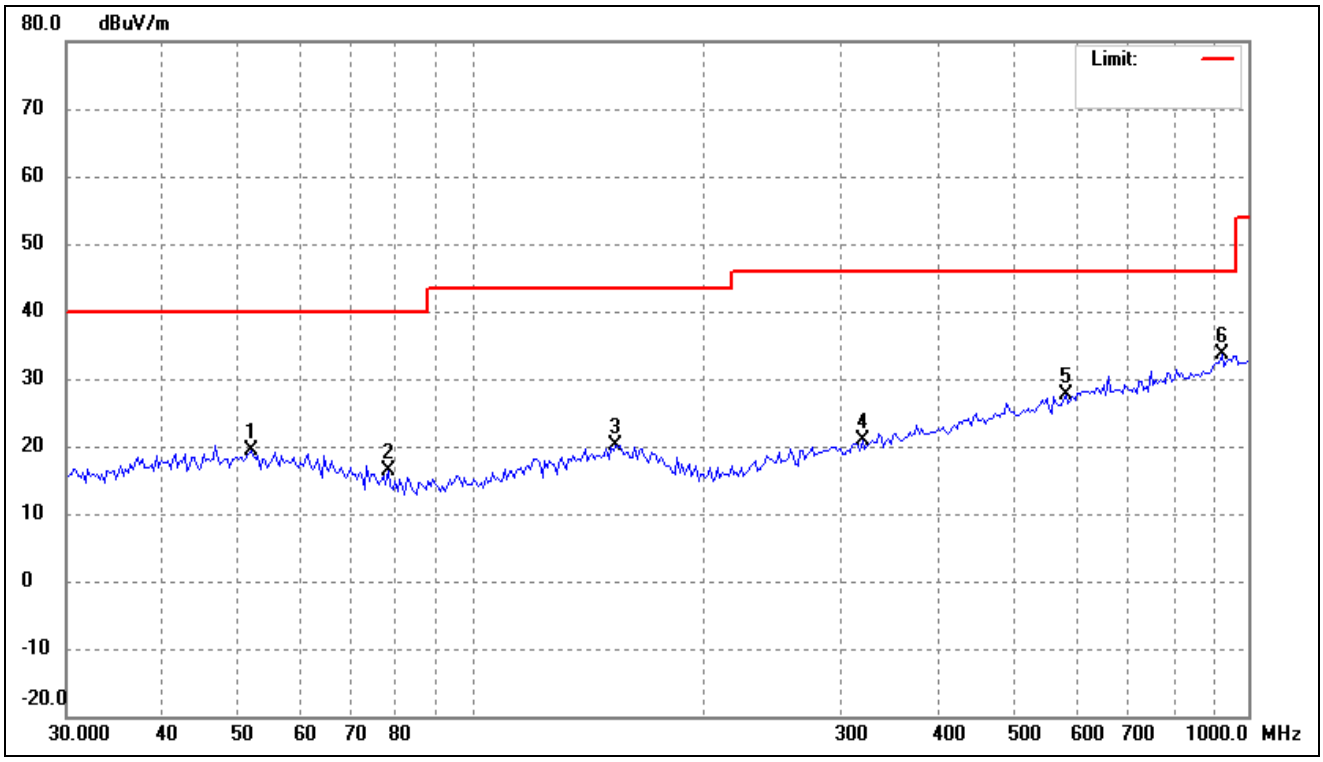
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.7077	26.92	-8.34	18.58	40.00	-21.42	-	-	peak
2	74.7934	27.55	-11.82	15.73	40.00	-24.27	-	-	peak
3	156.4259	28.50	-8.60	19.90	43.50	-23.60	-	-	peak
4	320.3306	29.13	-7.68	21.45	46.00	-24.55	-	-	peak
5	637.7947	29.98	-1.36	28.62	46.00	-17.38	-	-	peak
6	958.7135	30.86	2.26	33.12	46.00	-12.88	-	-	peak

802.11ac-VHT20			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



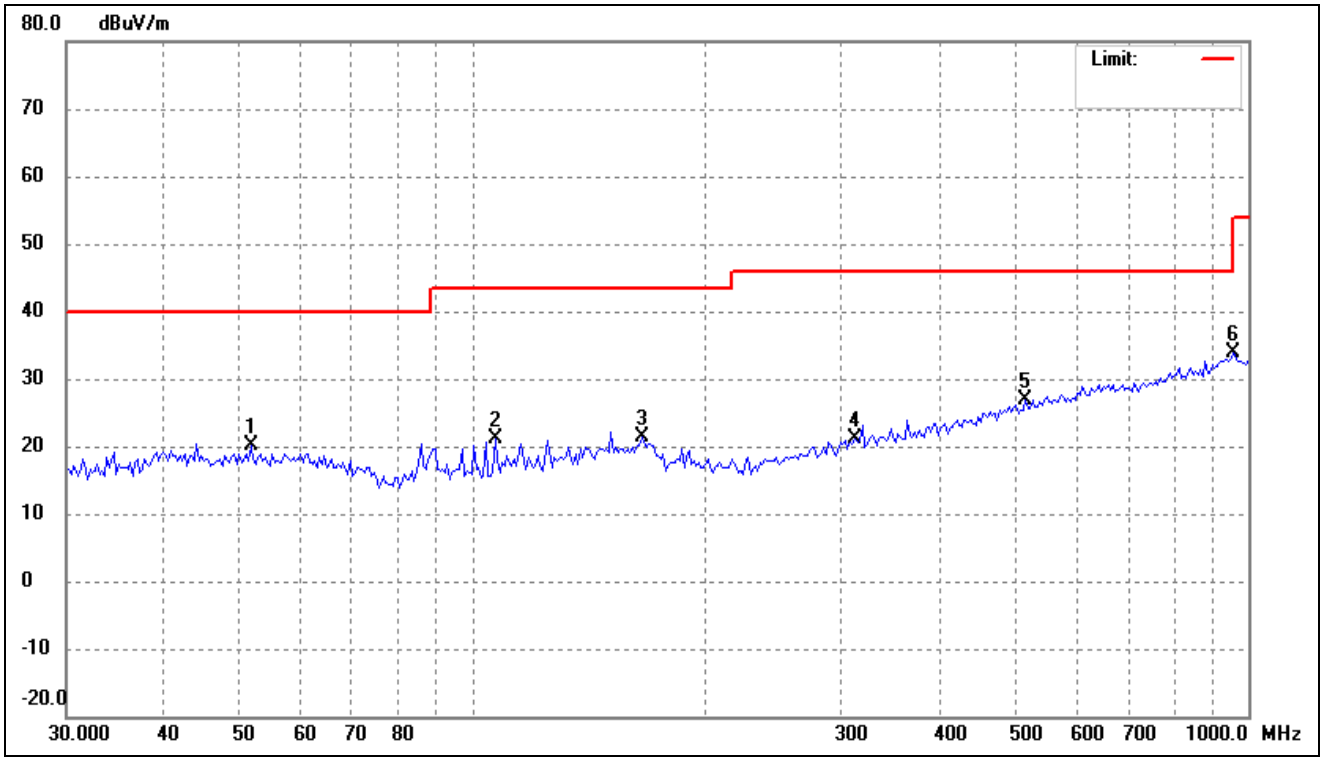
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.4131	28.05	-8.43	19.62	40.00	-20.38	-	-	peak
2	86.0796	31.87	-13.04	18.83	40.00	-21.17	-	-	peak
3	165.4716	31.09	-8.76	22.33	43.50	-21.17	-	-	peak
4	324.8645	28.94	-7.55	21.39	46.00	-24.61	-	-	peak
5	452.0013	31.10	-4.56	26.54	46.00	-19.46	-	-	peak
6	919.1315	31.67	1.59	33.26	46.00	-12.74	-	-	peak

802.11ac-VHT40			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



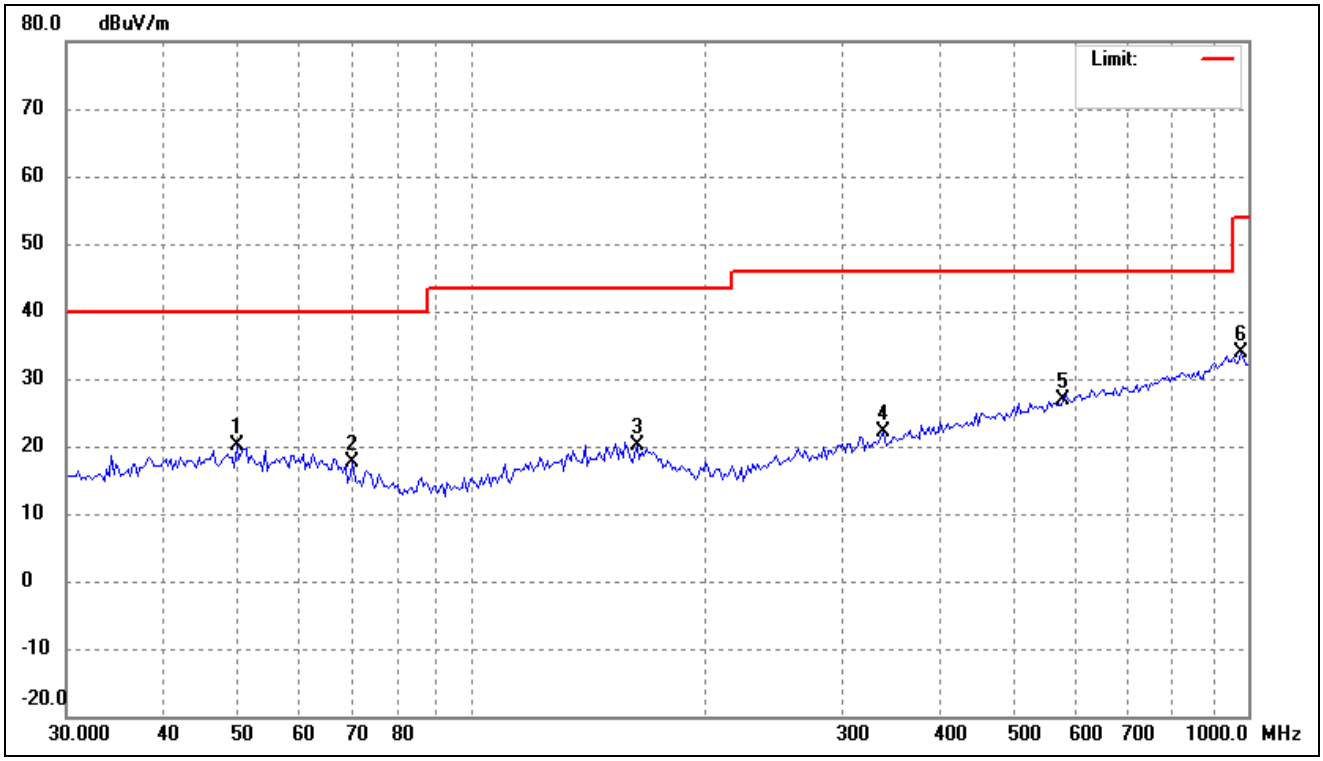
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	27.71	-8.29	19.42	40.00	-20.58	-	-	peak
2	78.0143	28.90	-12.53	16.37	40.00	-23.63	-	-	peak
3	153.1627	28.85	-8.61	20.24	43.50	-23.26	-	-	peak
4	318.0875	28.72	-7.75	20.97	46.00	-25.03	-	-	peak
5	582.1122	29.63	-2.11	27.52	46.00	-18.48	-	-	peak
6	925.6132	31.81	1.74	33.55	46.00	-12.45	-	-	peak

802.11ac-VHT40			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



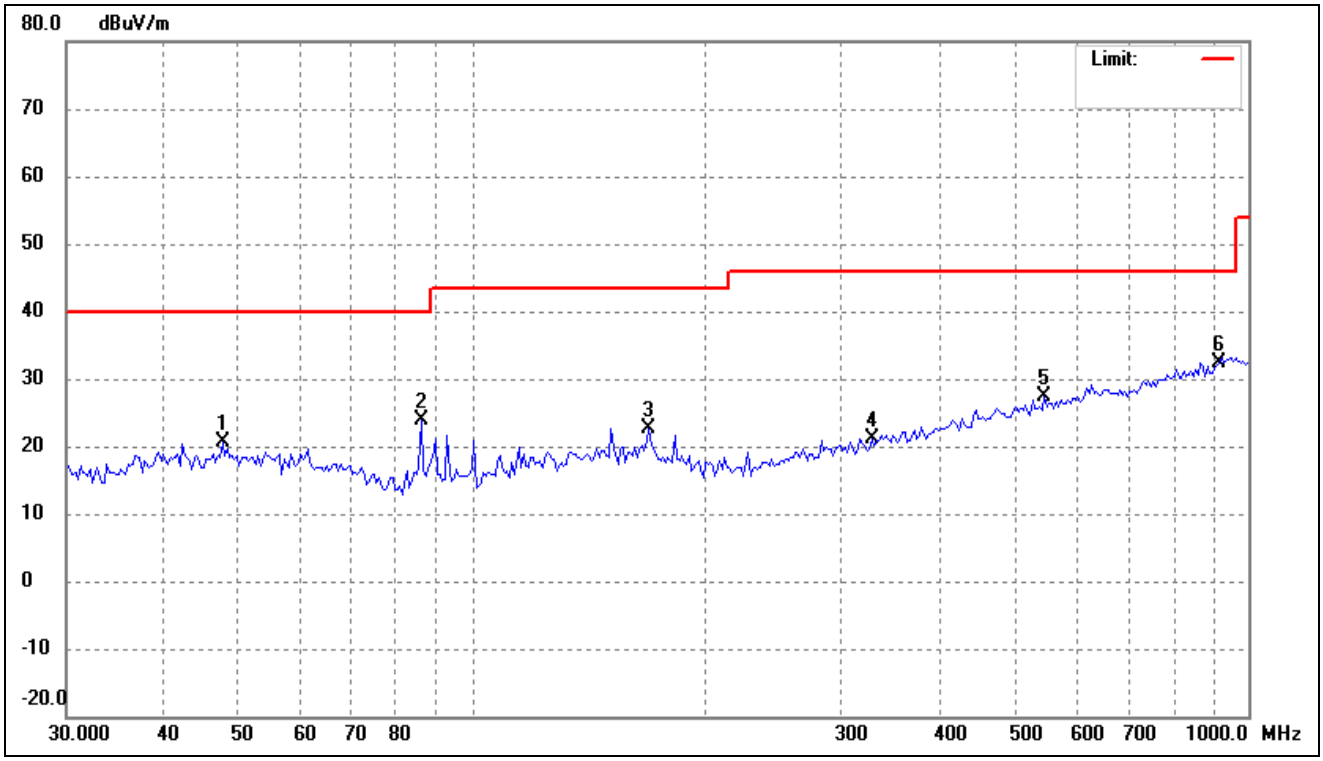
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	28.39	-8.29	20.10	40.00	-19.90	-	-	peak
2	107.0306	33.10	-11.85	21.25	43.50	-22.25	-	-	peak
3	165.4716	30.26	-8.76	21.50	43.50	-22.00	-	-	peak
4	311.4519	29.10	-7.93	21.17	46.00	-24.83	-	-	peak
5	516.5651	30.51	-3.65	26.86	46.00	-19.14	-	-	peak
6	958.7135	31.65	2.26	33.91	46.00	-12.09	-	-	peak

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



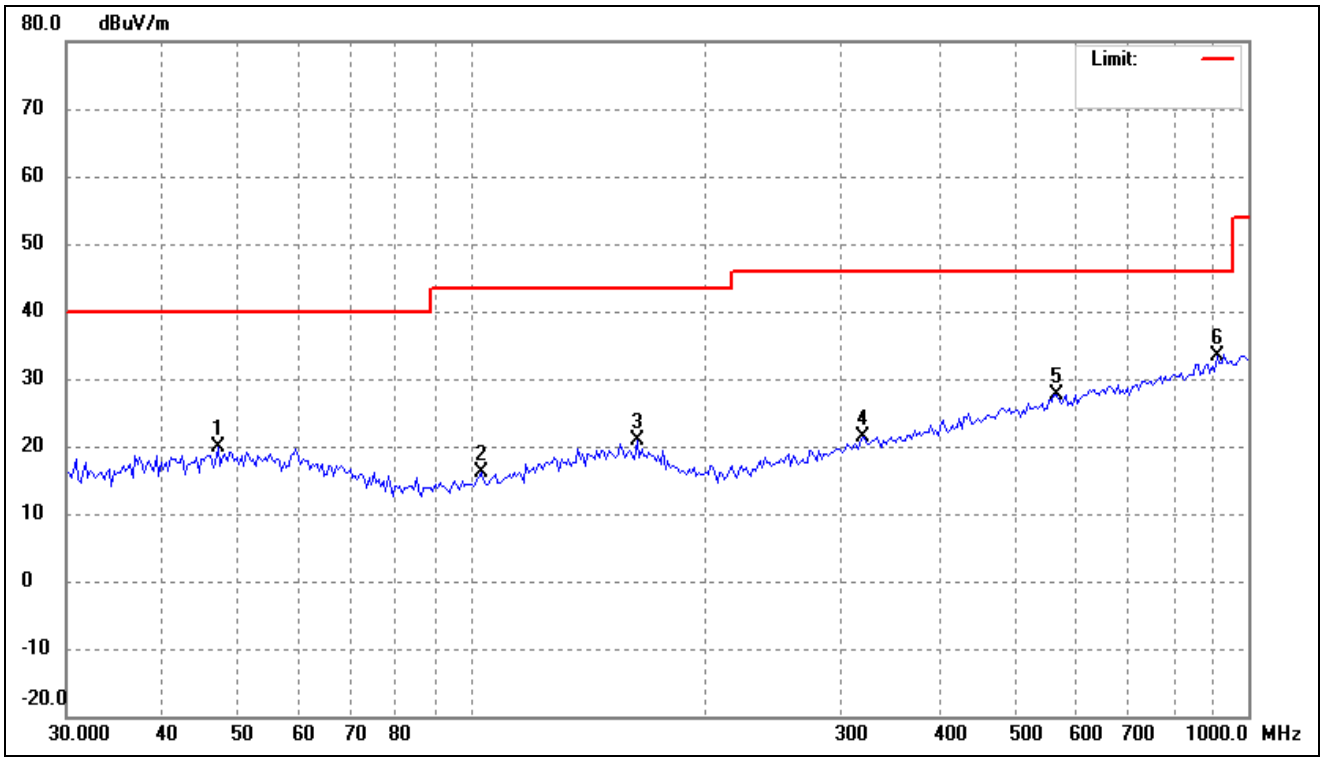
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.7571	28.18	-8.09	20.09	40.00	-19.91	-	-	peak
2	70.2096	28.46	-10.81	17.65	40.00	-22.35	-	-	peak
3	163.1623	28.91	-8.70	20.21	43.50	-23.29	-	-	peak
4	338.8546	29.36	-7.31	22.05	46.00	-23.95	-	-	peak
5	578.0359	29.10	-2.19	26.91	46.00	-19.09	-	-	peak
6	979.1392	31.55	2.28	33.83	54.00	-20.17	-	-	peak

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



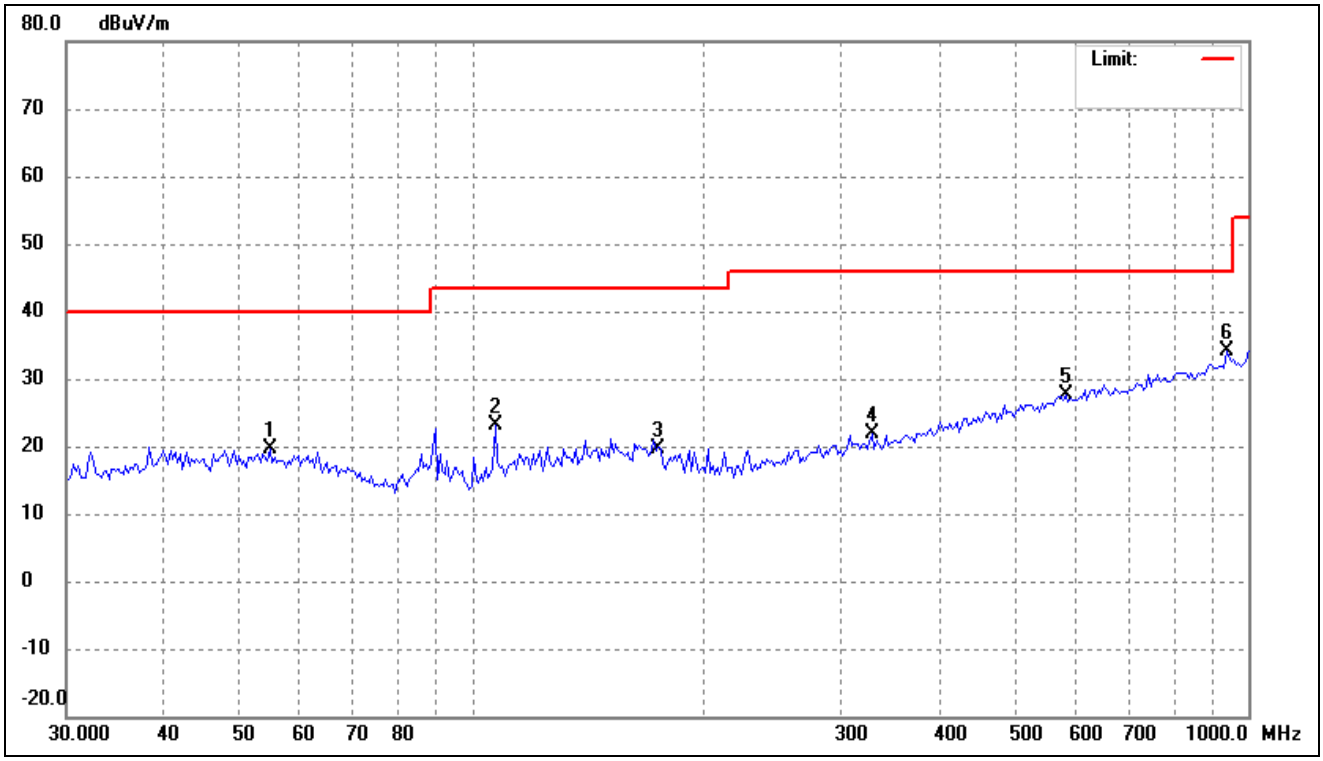
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.7028	28.85	-8.27	20.58	40.00	-19.42	-	-	peak
2	86.0796	36.94	-13.04	23.90	40.00	-16.10	-	-	peak
3	168.9970	31.52	-8.85	22.67	43.50	-20.83	-	-	peak
4	327.1554	28.66	-7.51	21.15	46.00	-24.85	-	-	peak
5	546.4368	30.20	-2.94	27.26	46.00	-18.74	-	-	peak
6	919.1315	30.75	1.59	32.34	46.00	-13.66	-	-	peak

802.11ac-VHT160			
Test Channel	5250MHz(worst case)	Polarity:	Horizontal



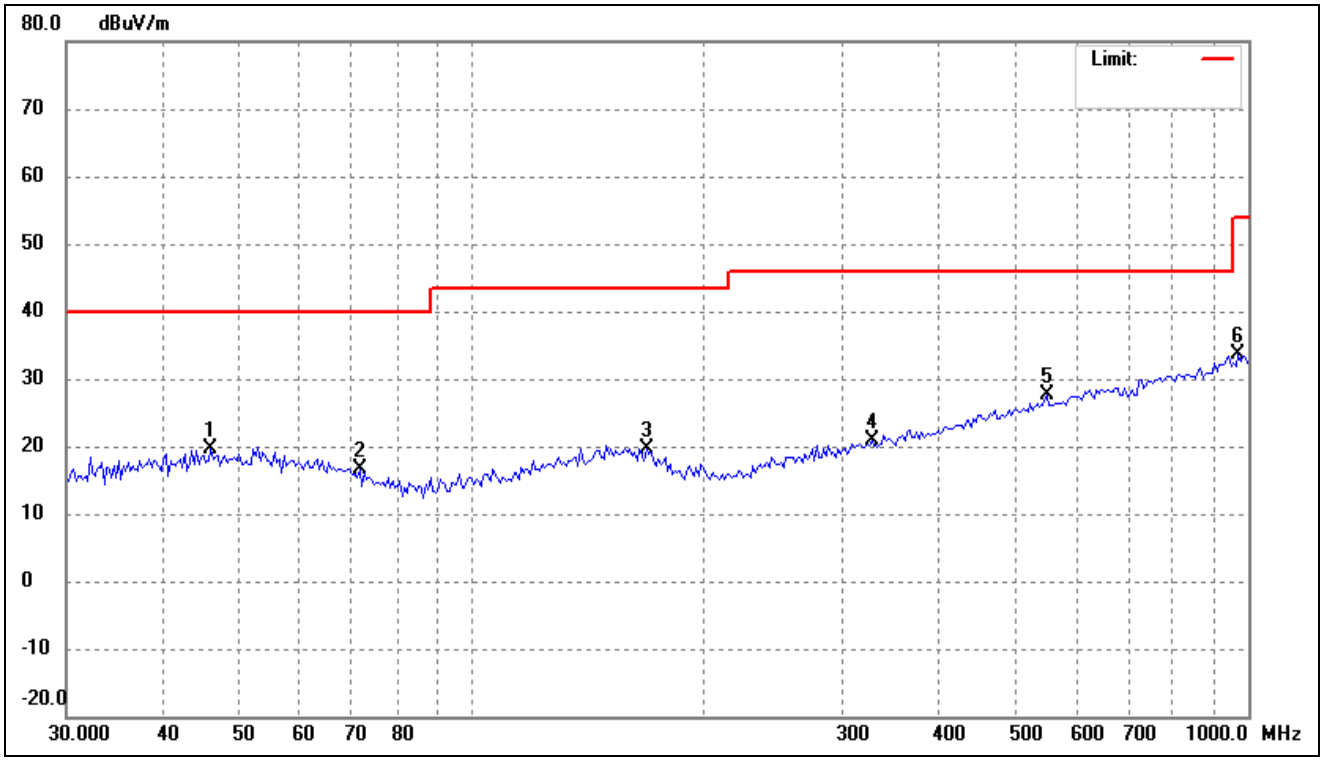
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.0371	28.09	-8.32	19.77	40.00	-20.23	-	-	peak
2	102.6117	28.45	-12.25	16.20	43.50	-27.30	-	-	peak
3	163.1623	29.64	-8.70	20.94	43.50	-22.56	-	-	peak
4	318.0875	29.24	-7.75	21.49	46.00	-24.51	-	-	peak
5	565.9776	30.04	-2.47	27.57	46.00	-18.43	-	-	peak
6	912.6953	31.95	1.46	33.41	46.00	-12.59	-	-	peak

802.11ac-VHT160			
Test Channel	5250MHz(worst case)	Polarity:	Vertical



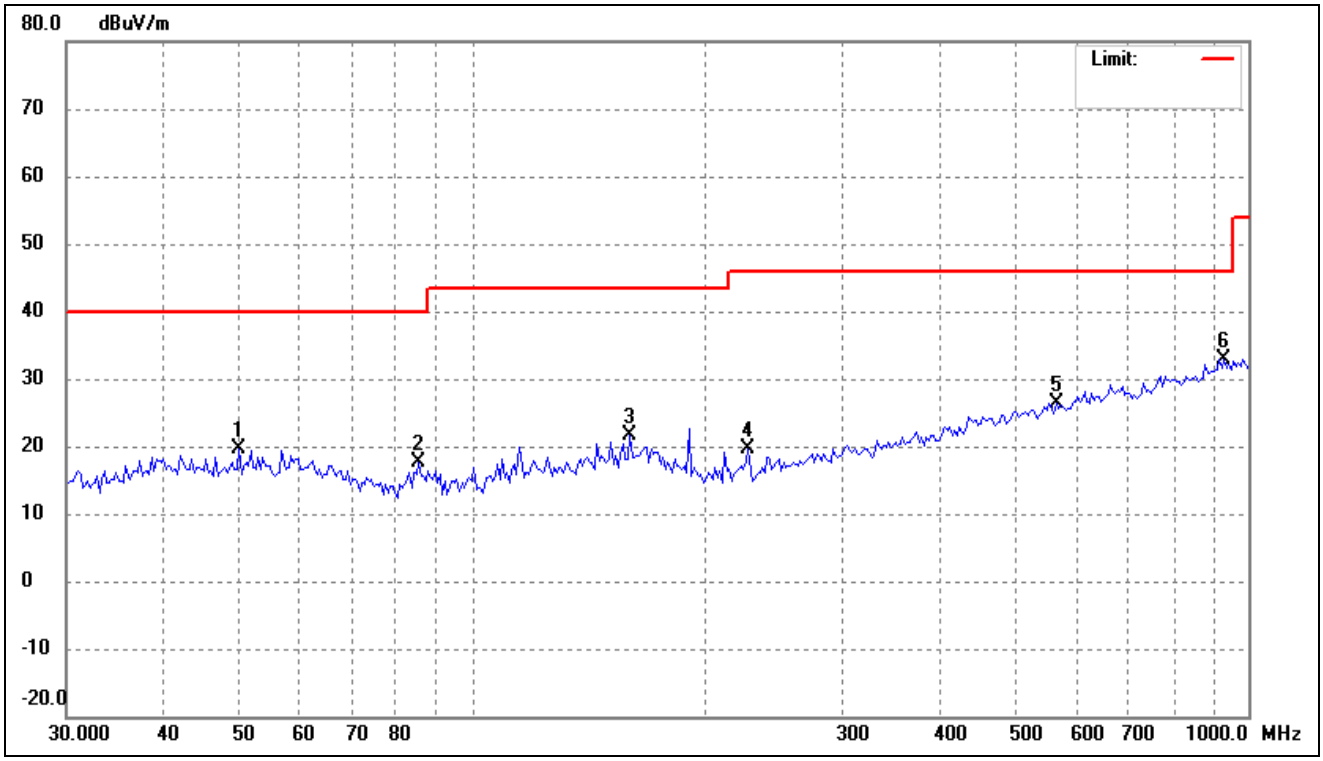
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	54.9011	28.31	-8.62	19.69	40.00	-20.31	-	-	peak
2	107.0306	34.98	-11.85	23.13	43.50	-20.37	-	-	peak
3	175.0404	29.18	-9.61	19.57	43.50	-23.93	-	-	peak
4	327.1554	29.47	-7.51	21.96	46.00	-24.04	-	-	peak
5	582.1122	29.70	-2.11	27.59	46.00	-18.41	-	-	peak
6	938.7139	32.02	2.01	34.03	46.00	-11.97	-	-	peak

802.11ax-HE20			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



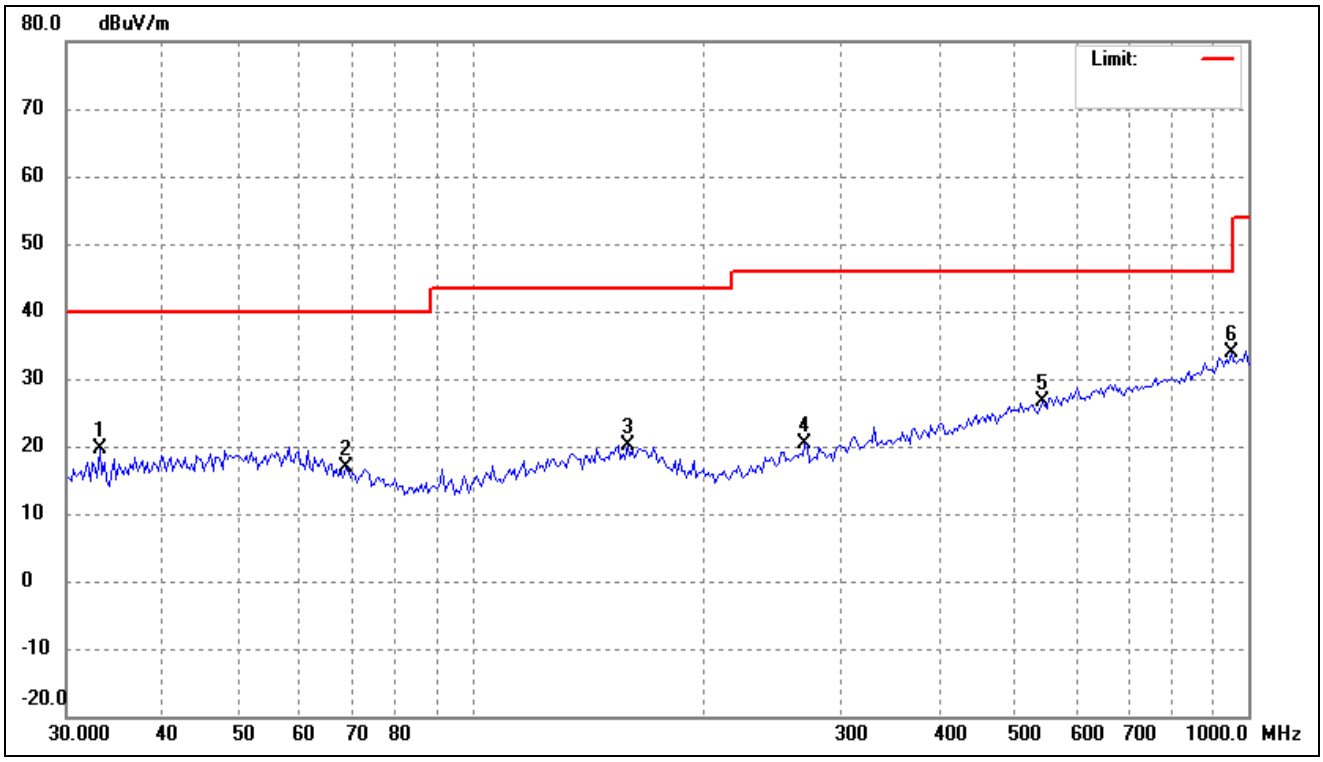
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.0558	28.05	-8.38	19.67	40.00	-20.33	-	-	peak
2	71.7054	27.86	-11.14	16.72	40.00	-23.28	-	-	peak
3	167.8136	28.54	-8.82	19.72	43.50	-23.78	-	-	peak
4	327.1554	28.46	-7.51	20.95	46.00	-25.05	-	-	peak
5	550.2902	30.37	-2.84	27.53	46.00	-18.47	-	-	peak
6	972.2827	31.27	2.27	33.54	54.00	-20.46	-	-	peak

802.11ax-HE20			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



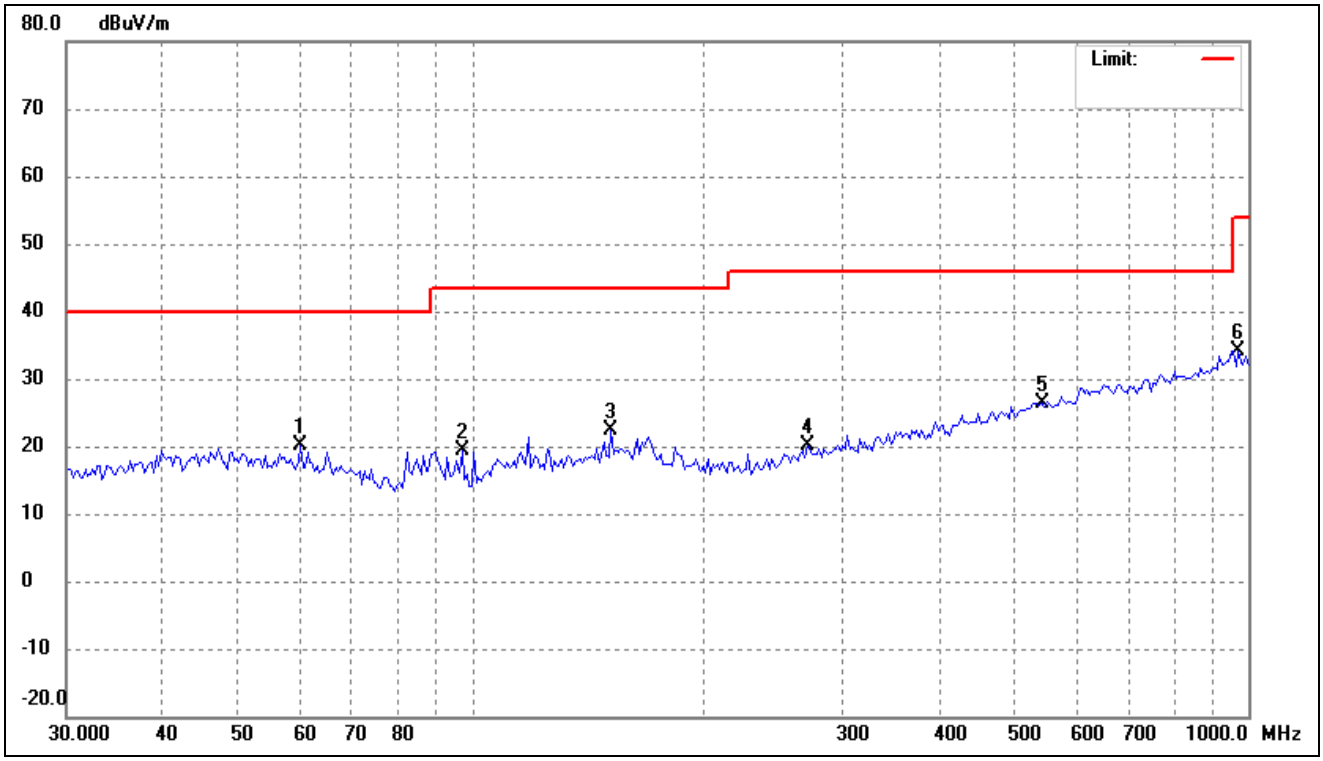
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.1080	27.65	-8.09	19.56	40.00	-20.44	-	-	peak
2	85.4769	30.75	-13.04	17.71	40.00	-22.29	-	-	peak
3	159.7586	30.27	-8.61	21.66	43.50	-21.84	-	-	peak
4	227.0164	31.47	-11.76	19.71	46.00	-26.29	-	-	peak
5	565.9776	28.88	-2.47	26.41	46.00	-19.59	-	-	peak
6	932.1405	31.11	1.87	32.98	46.00	-13.02	-	-	peak

802.11ax-HE40			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



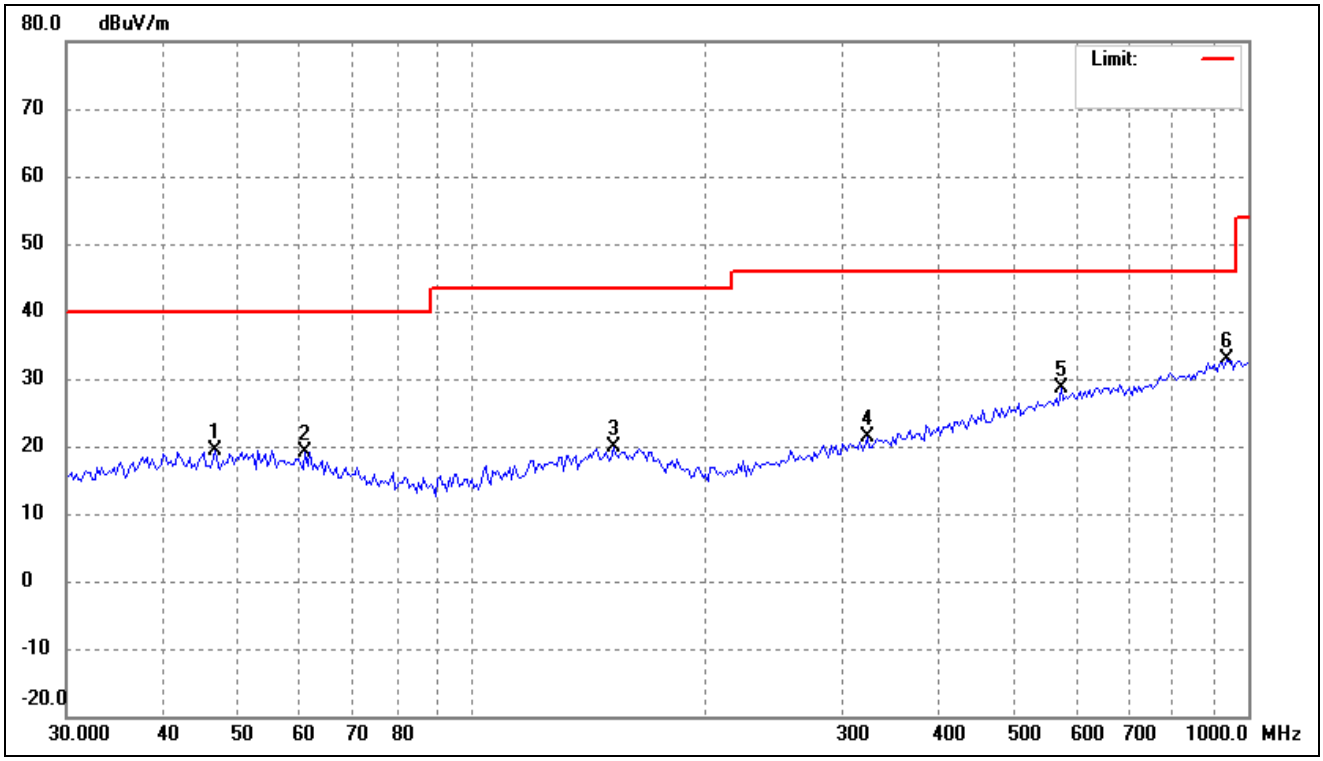
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	33.1015	29.44	-9.80	19.64	40.00	-20.36	-	-	peak
2	68.7450	27.38	-10.54	16.84	40.00	-23.16	-	-	peak
3	158.6399	28.80	-8.61	20.19	43.50	-23.31	-	-	peak
4	268.7212	29.88	-9.39	20.49	46.00	-25.51	-	-	peak
5	542.6104	29.75	-3.05	26.70	46.00	-19.30	-	-	peak
6	952.0001	31.58	2.25	33.83	46.00	-12.17	-	-	peak

802.11ax-HE40			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



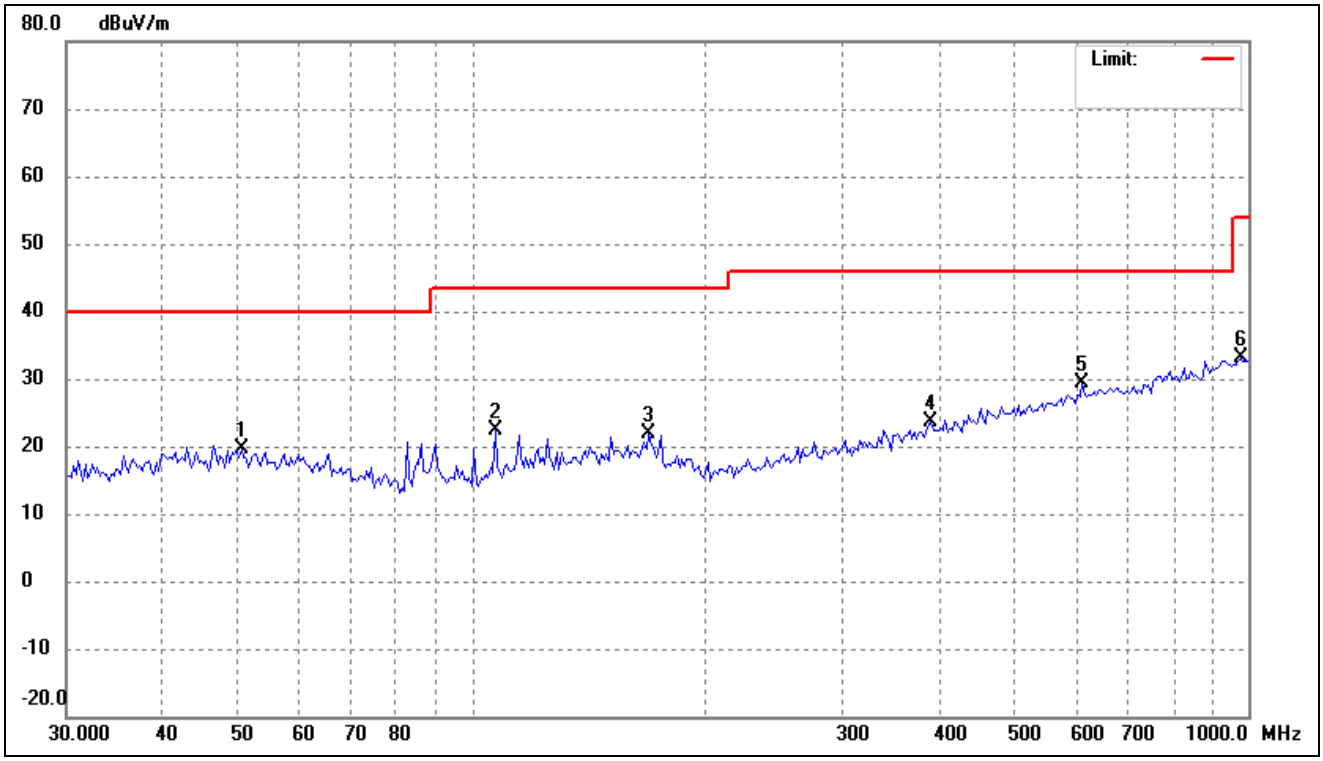
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	60.1528	29.11	-8.97	20.14	40.00	-19.86	-	-	peak
2	97.0023	32.10	-12.67	19.43	43.50	-24.07	-	-	peak
3	151.0252	30.98	-8.61	22.37	43.50	-21.13	-	-	peak
4	270.6162	29.42	-9.30	20.12	46.00	-25.88	-	-	peak
5	542.6104	29.52	-3.05	26.47	46.00	-19.53	-	-	peak
6	972.2827	31.87	2.27	34.14	54.00	-19.86	-	-	peak

802.11ax-HE80			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



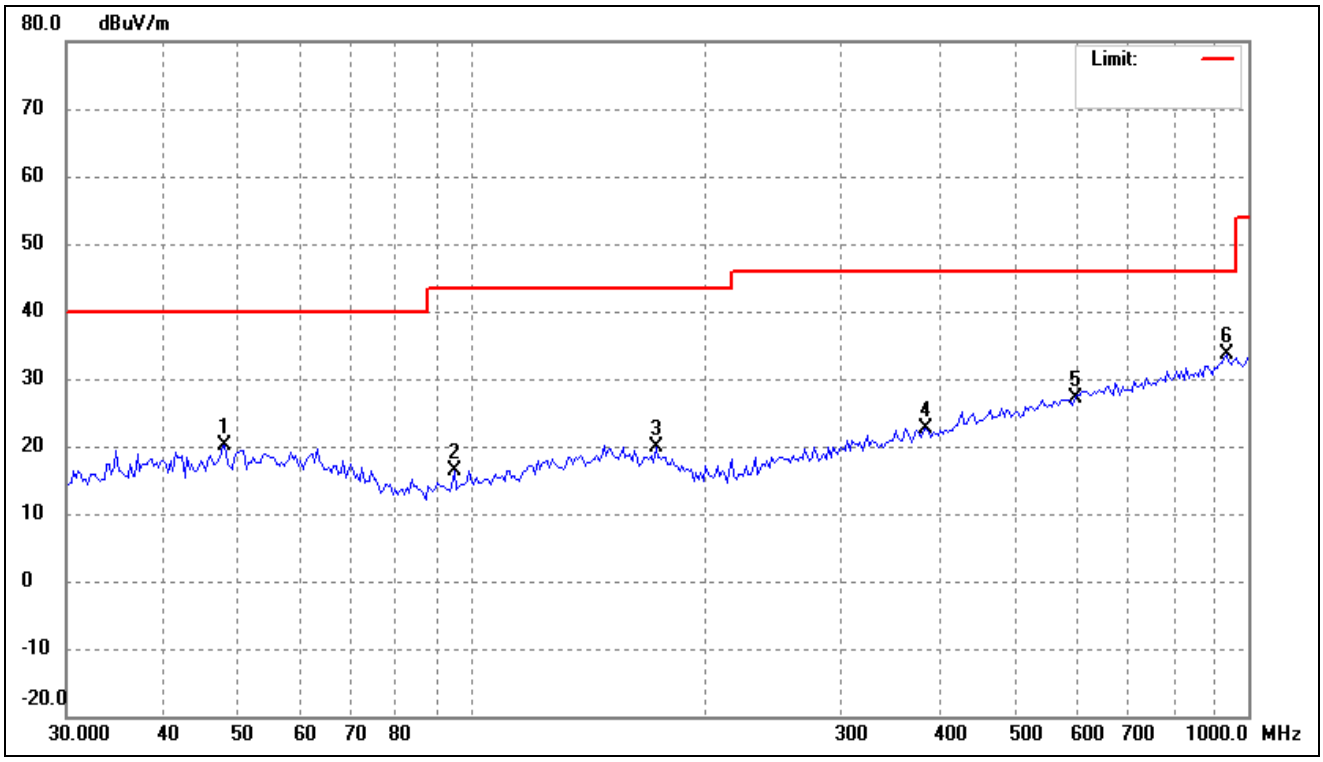
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.7077	27.71	-8.34	19.37	40.00	-20.63	-	-	peak
2	61.0041	28.31	-9.11	19.20	40.00	-20.80	-	-	peak
3	152.0902	28.40	-8.60	19.80	43.50	-23.70	-	-	peak
4	322.5896	29.11	-7.62	21.49	46.00	-24.51	-	-	peak
5	573.9882	30.78	-2.27	28.51	46.00	-17.49	-	-	peak
6	938.7139	30.80	2.01	32.81	46.00	-13.19	-	-	peak

802.11ax-HE80			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



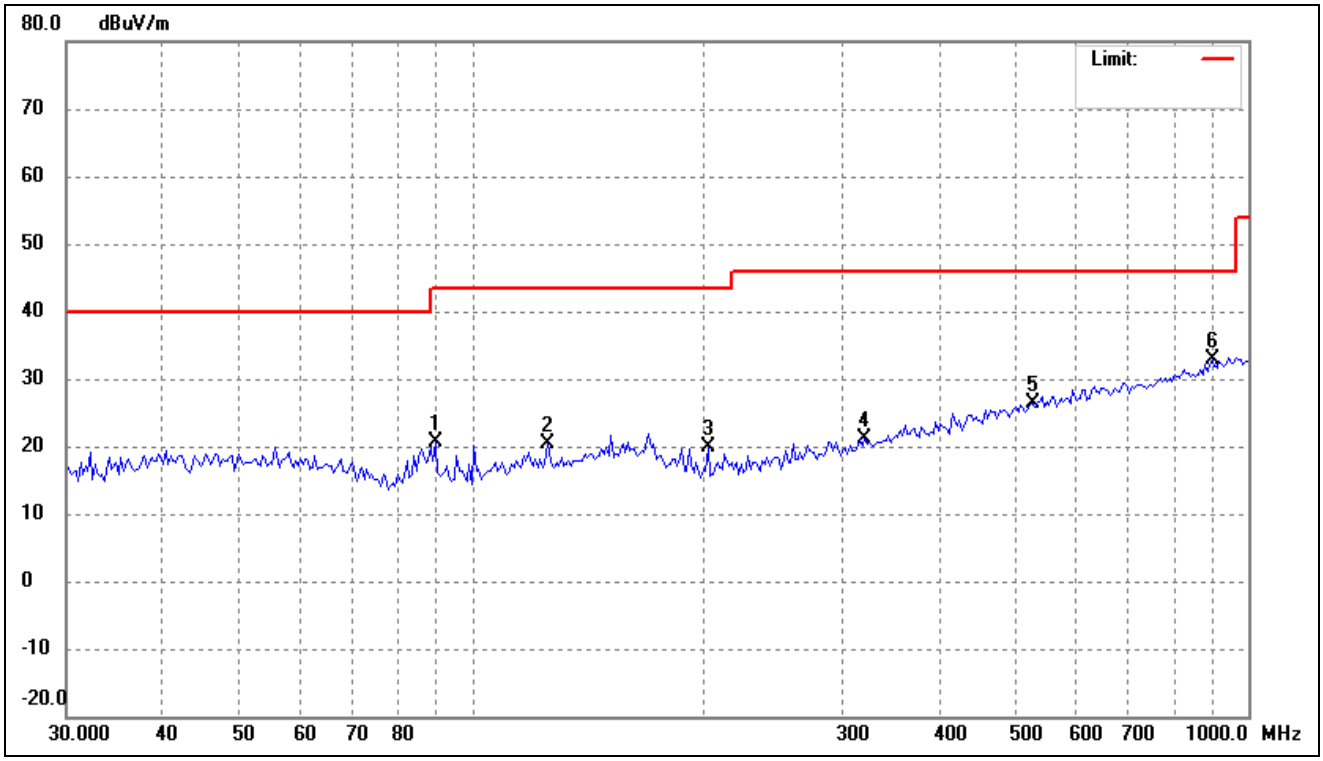
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	27.77	-8.14	19.63	40.00	-20.37	-	-	peak
2	107.0306	34.14	-11.85	22.29	43.50	-21.21	-	-	peak
3	168.9970	30.62	-8.85	21.77	43.50	-21.73	-	-	peak
4	389.9874	29.74	-6.16	23.58	46.00	-22.42	-	-	peak
5	611.4623	30.95	-1.59	29.36	46.00	-16.64	-	-	peak
6	979.1392	30.82	2.28	33.10	54.00	-20.90	-	-	peak

802.11ax-HE160			
Test Channel	5250MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	28.32	-8.23	20.09	40.00	-19.91	-	-	peak
2	94.9788	29.13	-12.81	16.32	43.50	-27.18	-	-	peak
3	172.5976	29.13	-9.25	19.88	43.50	-23.62	-	-	peak
4	384.5447	28.96	-6.28	22.68	46.00	-23.32	-	-	peak
5	598.7067	28.93	-1.77	27.16	46.00	-18.84	-	-	peak
6	938.7139	31.53	2.01	33.54	46.00	-12.46	-	-	peak

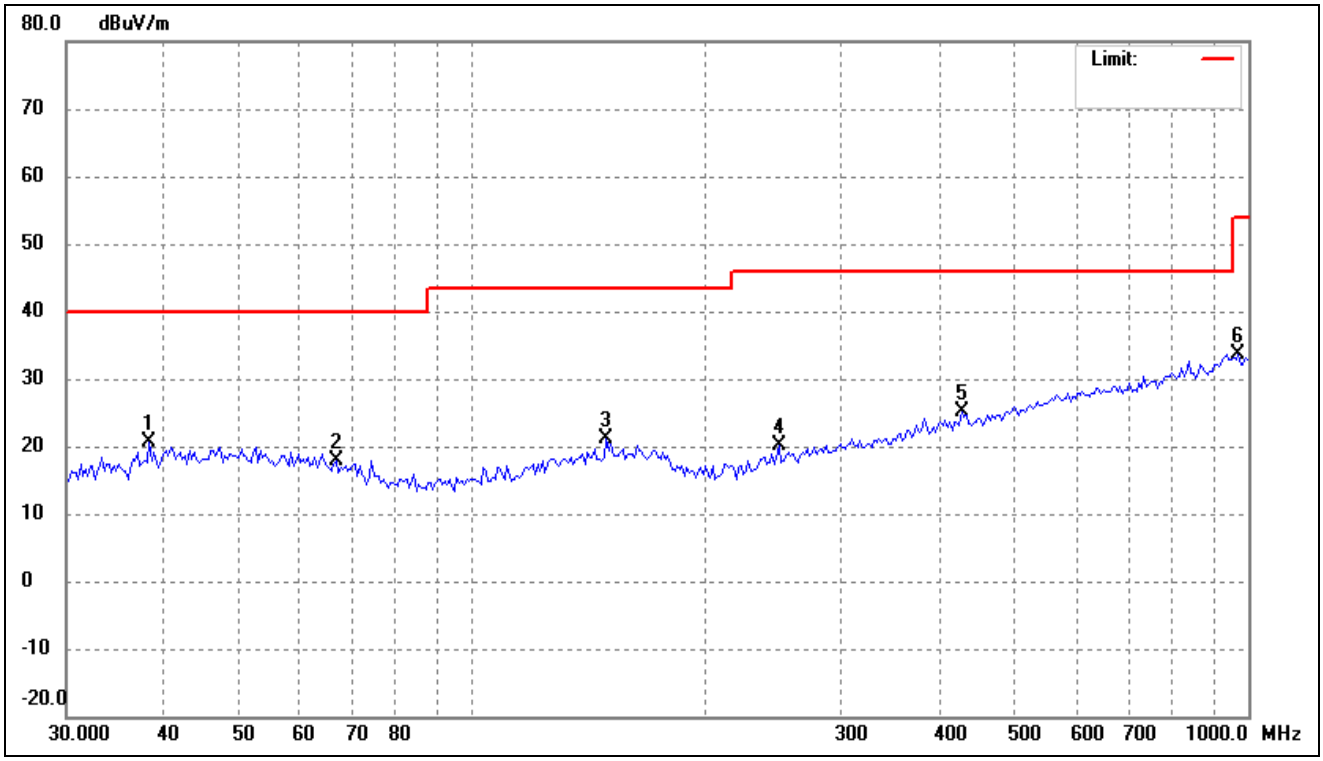
802.11ax-HE160			
Test Channel	5250MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	89.7866	33.65	-13.10	20.55	43.50	-22.95	-	-	peak
2	124.9249	30.55	-10.19	20.36	43.50	-23.14	-	-	peak
3	201.4539	31.79	-12.01	19.78	43.50	-23.72	-	-	peak
4	320.3306	28.76	-7.68	21.08	46.00	-24.92	-	-	peak
5	527.5707	29.92	-3.45	26.47	46.00	-19.53	-	-	peak
6	899.9577	31.75	1.19	32.94	46.00	-13.06	-	-	peak

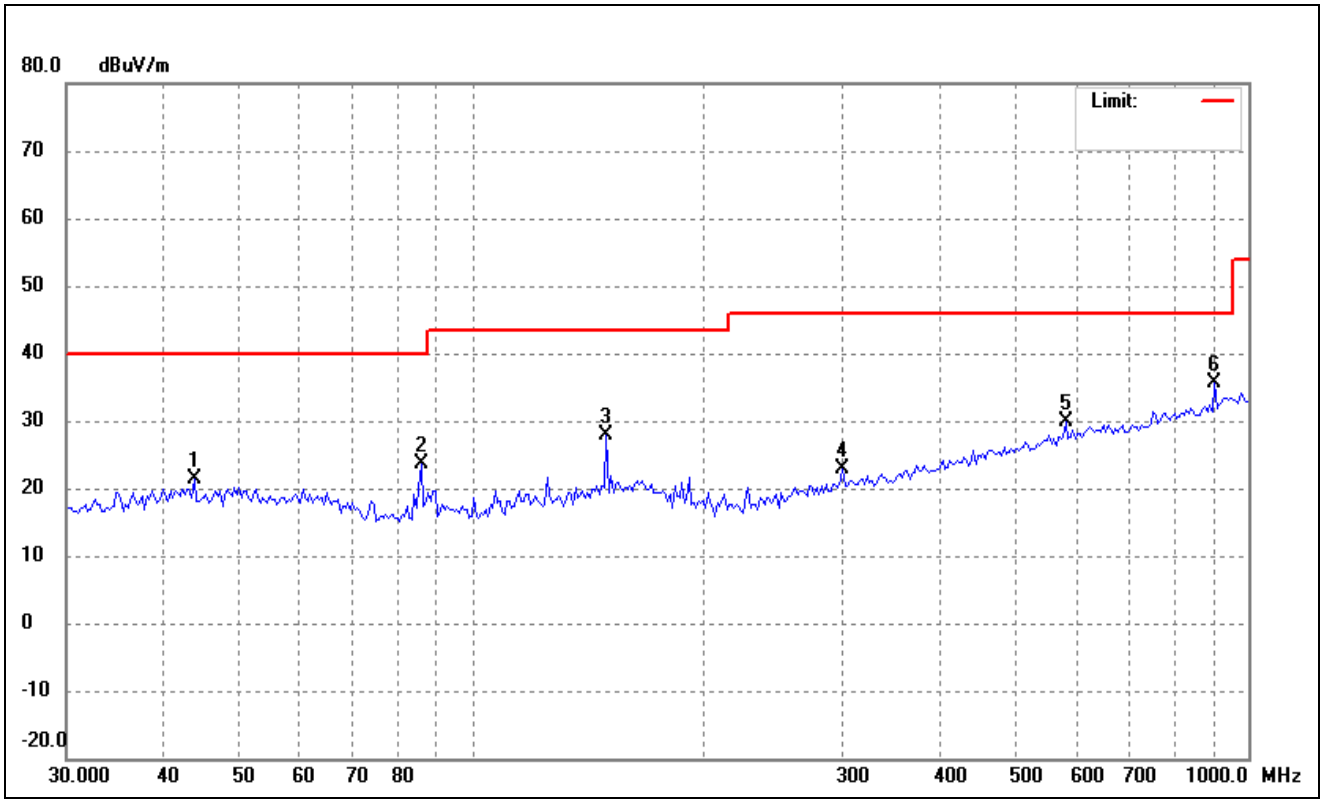
5470-5725MHz

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



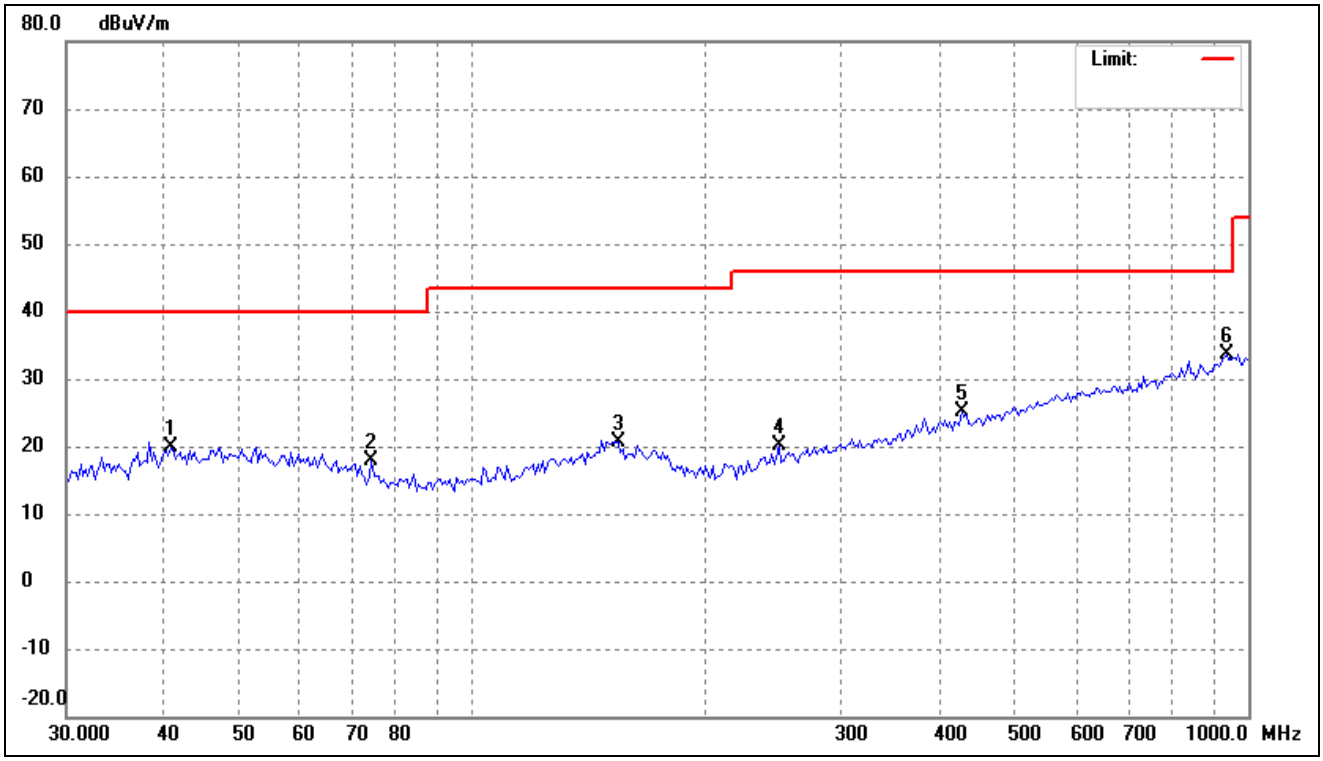
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.3651	29.37	-8.83	20.54	40.00	-19.46	-	-	peak
2	66.8395	28.08	-10.18	17.90	40.00	-22.10	-	-	peak
3	148.9175	29.92	-8.68	21.24	43.50	-22.26	-	-	peak
4	248.7319	30.44	-10.26	20.18	46.00	-25.82	-	-	peak
5	427.2920	30.47	-5.22	25.25	46.00	-20.75	-	-	peak
6	972.2827	31.43	2.27	33.70	54.00	-20.30	-	-	peak

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



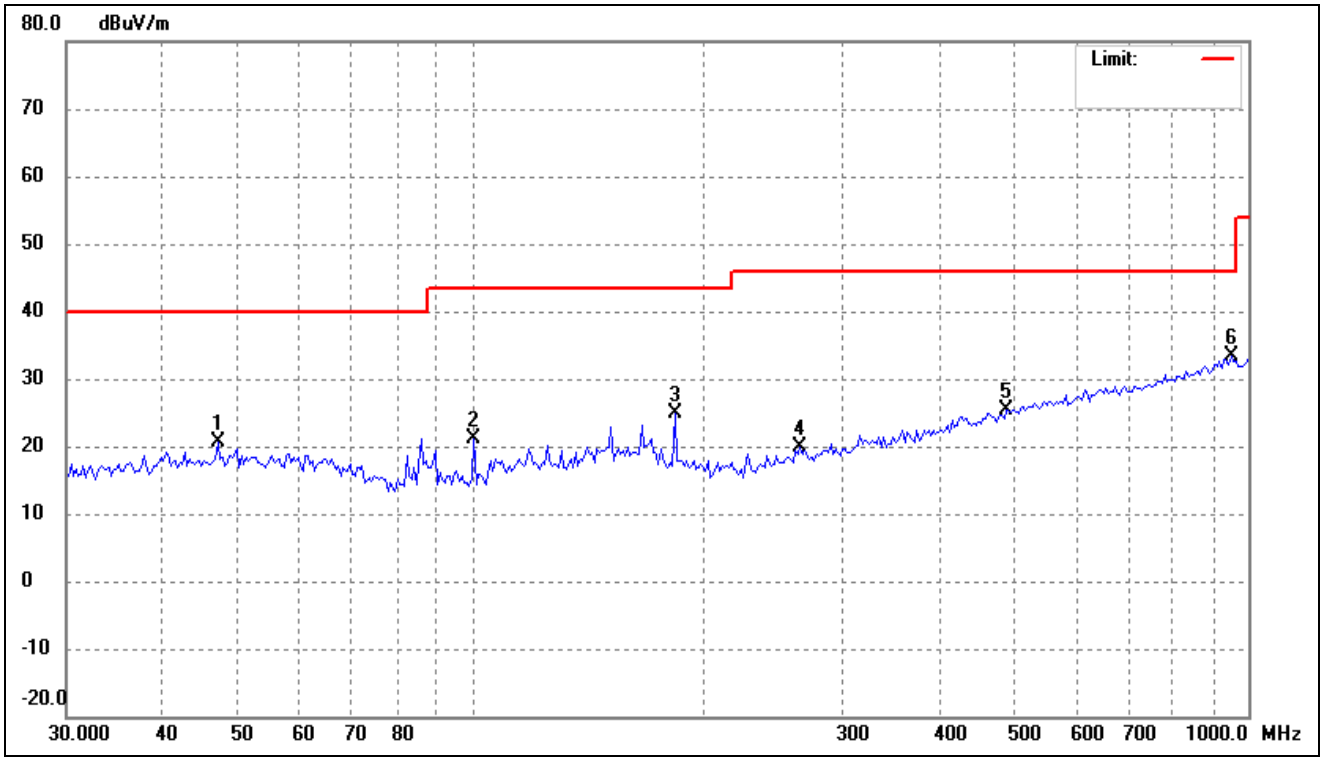
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.8452	29.92	-8.48	21.44	40.00	-18.56	-	-	peak
2	86.0795	36.67	-13.04	23.63	40.00	-16.37	-	-	peak
3	148.9175	36.46	-8.68	27.78	43.50	-15.72	-	-	peak
4	300.6988	31.14	-8.24	22.90	46.00	-23.10	-	-	peak
5	582.1122	32.00	-2.11	29.89	46.00	-16.11	-	-	peak
6	906.3041	34.40	1.32	35.72	46.00	-10.28	-	-	peak

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



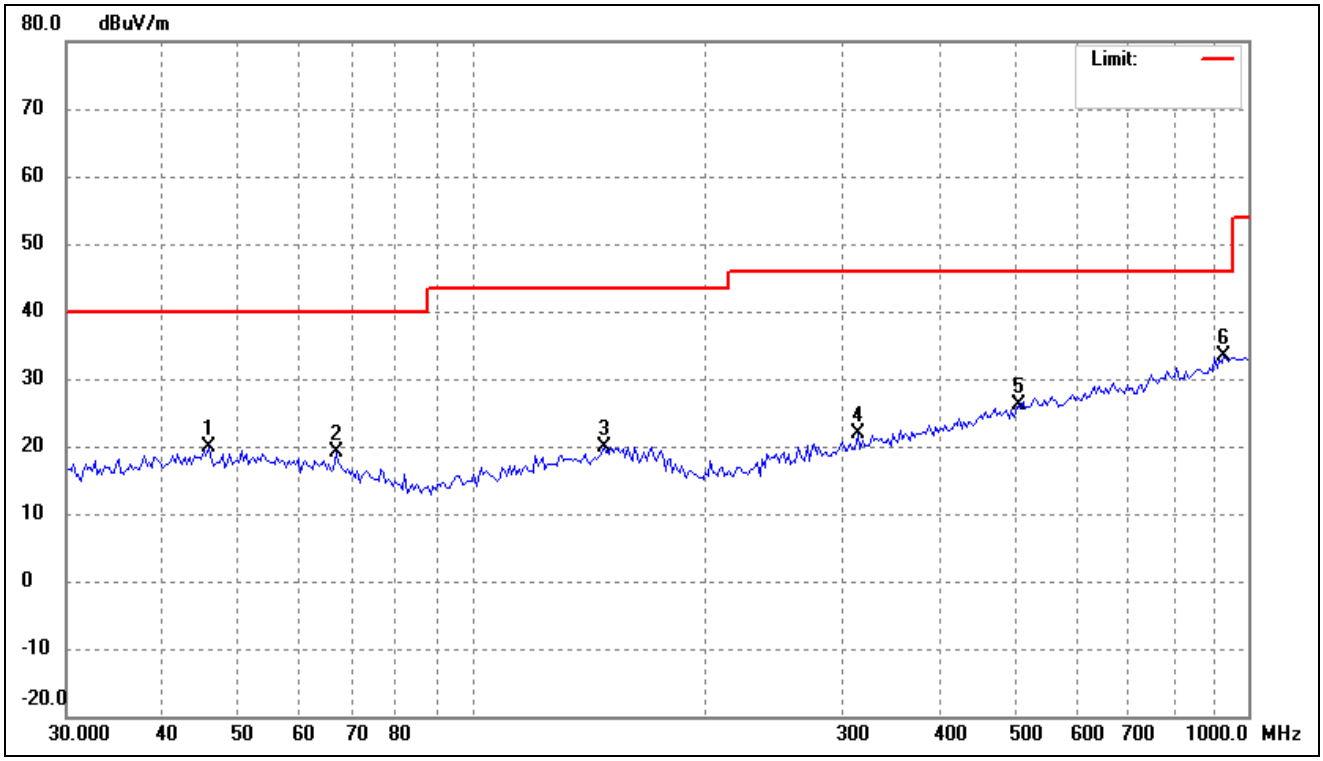
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8699	28.23	-8.47	19.76	40.00	-20.24	-	-	peak
2	74.2696	29.48	-11.70	17.78	40.00	-22.22	-	-	peak
3	154.2428	29.22	-8.60	20.62	43.50	-22.88	-	-	peak
4	248.7319	30.44	-10.26	20.18	46.00	-25.82	-	-	peak
5	427.2920	30.47	-5.22	25.25	46.00	-20.75	-	-	peak
6	938.7139	31.58	2.01	33.59	46.00	-12.41	-	-	peak

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



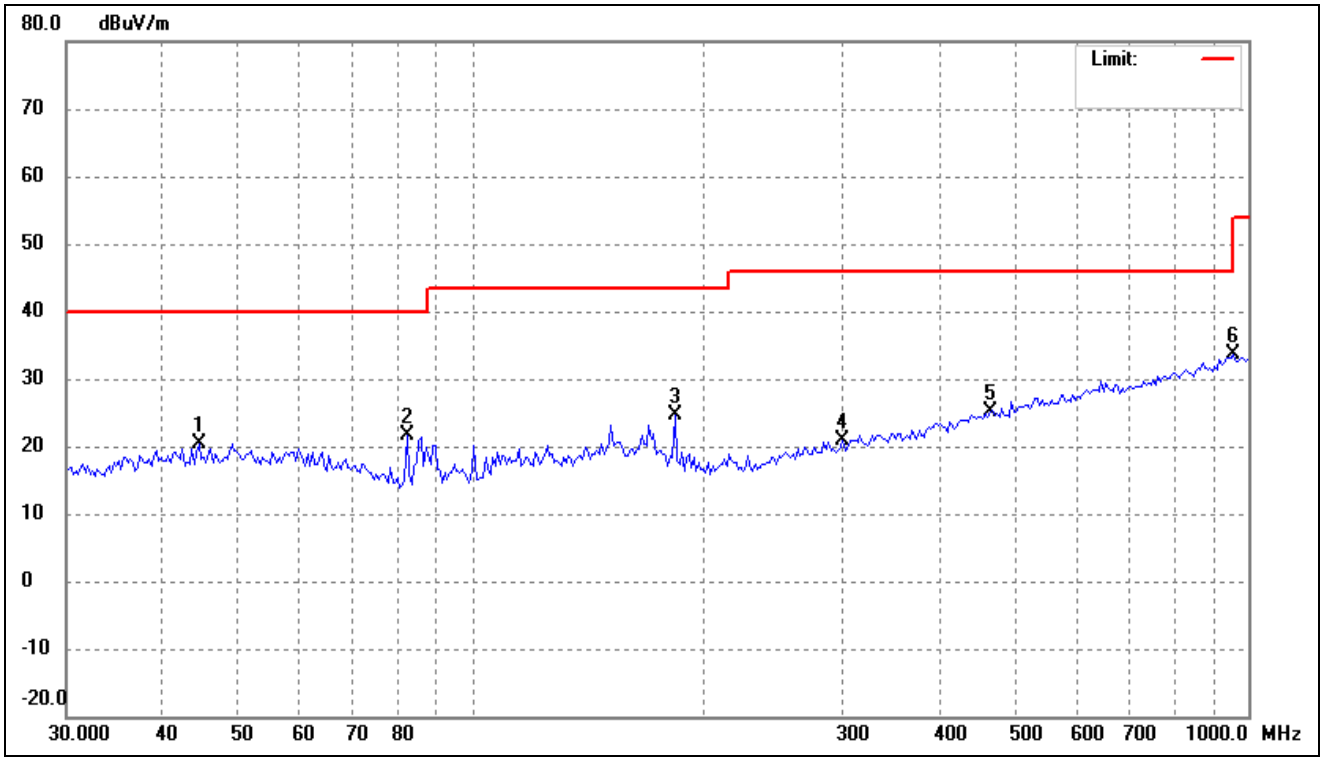
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.0371	29.07	-8.32	20.75	40.00	-19.25	-	-	peak
2	100.4712	33.59	-12.45	21.14	43.50	-22.36	-	-	peak
3	182.5785	35.44	-10.60	24.84	43.50	-18.66	-	-	peak
4	264.9709	29.53	-9.55	19.98	46.00	-26.02	-	-	peak
5	488.3263	29.50	-4.06	25.44	46.00	-20.56	-	-	peak
6	952.0001	31.03	2.25	33.28	46.00	-12.72	-	-	peak

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



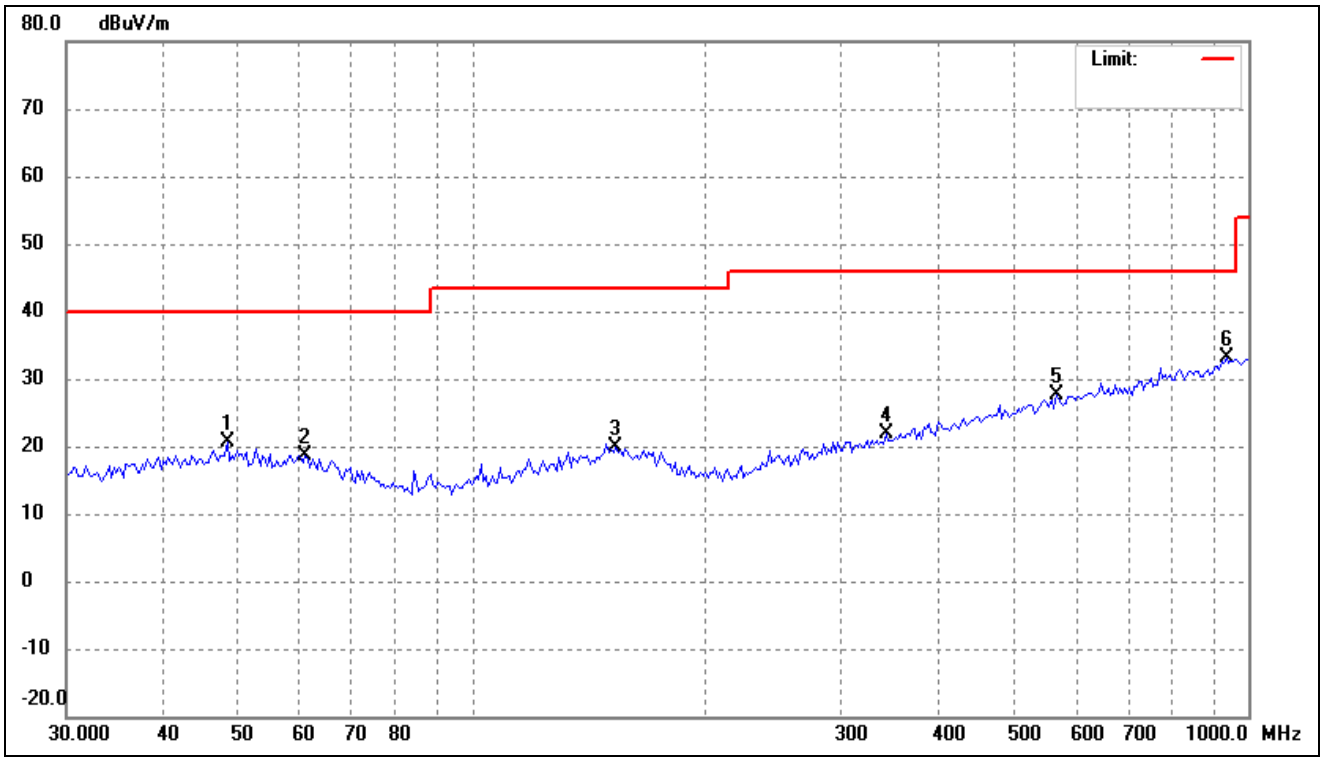
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.7333	28.17	-8.41	19.76	40.00	-20.24	-	-	peak
2	66.8395	29.26	-10.18	19.08	40.00	-20.92	-	-	peak
3	147.8747	28.68	-8.77	19.91	43.50	-23.59	-	-	peak
4	313.6483	29.73	-7.87	21.86	46.00	-24.14	-	-	peak
5	505.7891	29.91	-3.80	26.11	46.00	-19.89	-	-	peak
6	932.1405	31.52	1.87	33.39	46.00	-12.61	-	-	peak

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



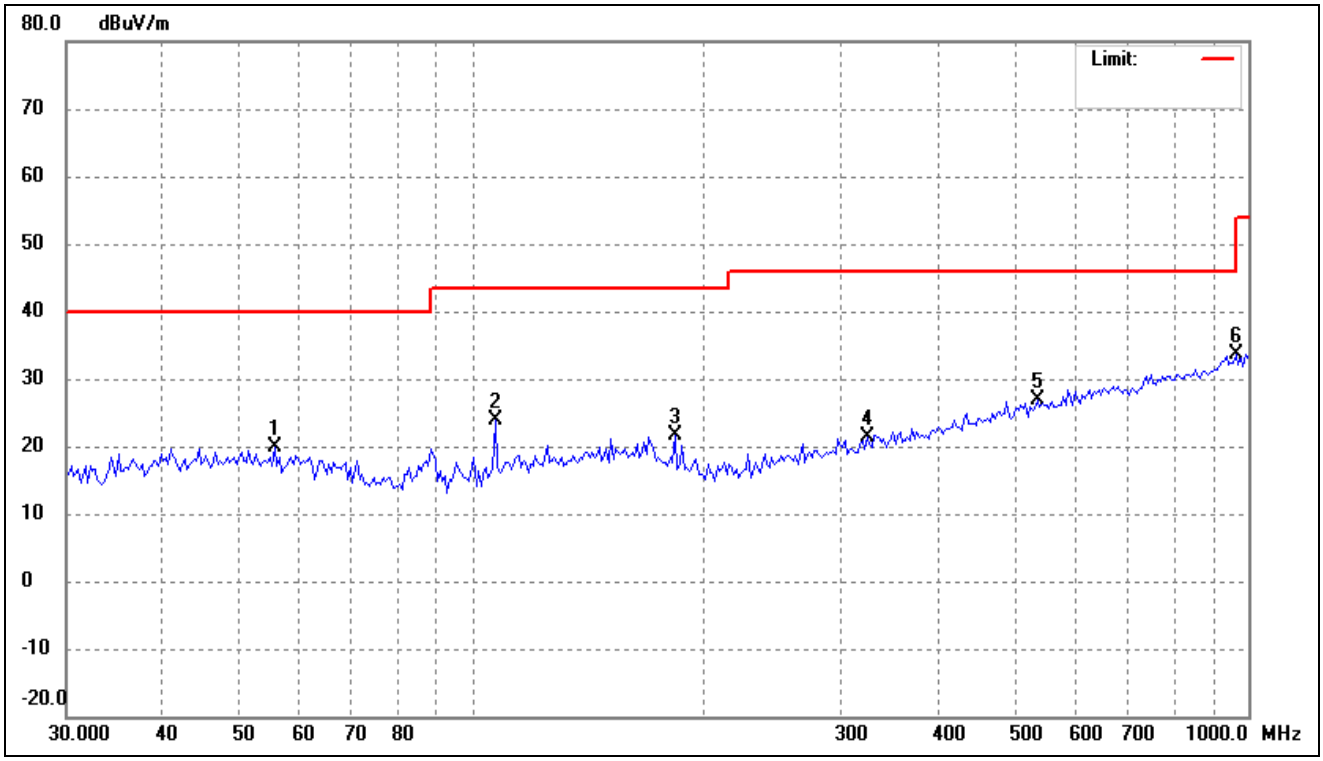
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	44.4657	28.97	-8.47	20.50	40.00	-19.50	-	-	peak
2	82.5257	34.52	-13.00	21.52	40.00	-18.48	-	-	peak
3	182.5785	35.23	-10.60	24.63	43.50	-18.87	-	-	peak
4	300.6988	29.19	-8.24	20.95	46.00	-25.05	-	-	peak
5	464.8867	29.43	-4.37	25.06	46.00	-20.94	-	-	peak
6	958.7135	31.25	2.26	33.51	46.00	-12.49	-	-	peak

802.11ac-VHT20			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



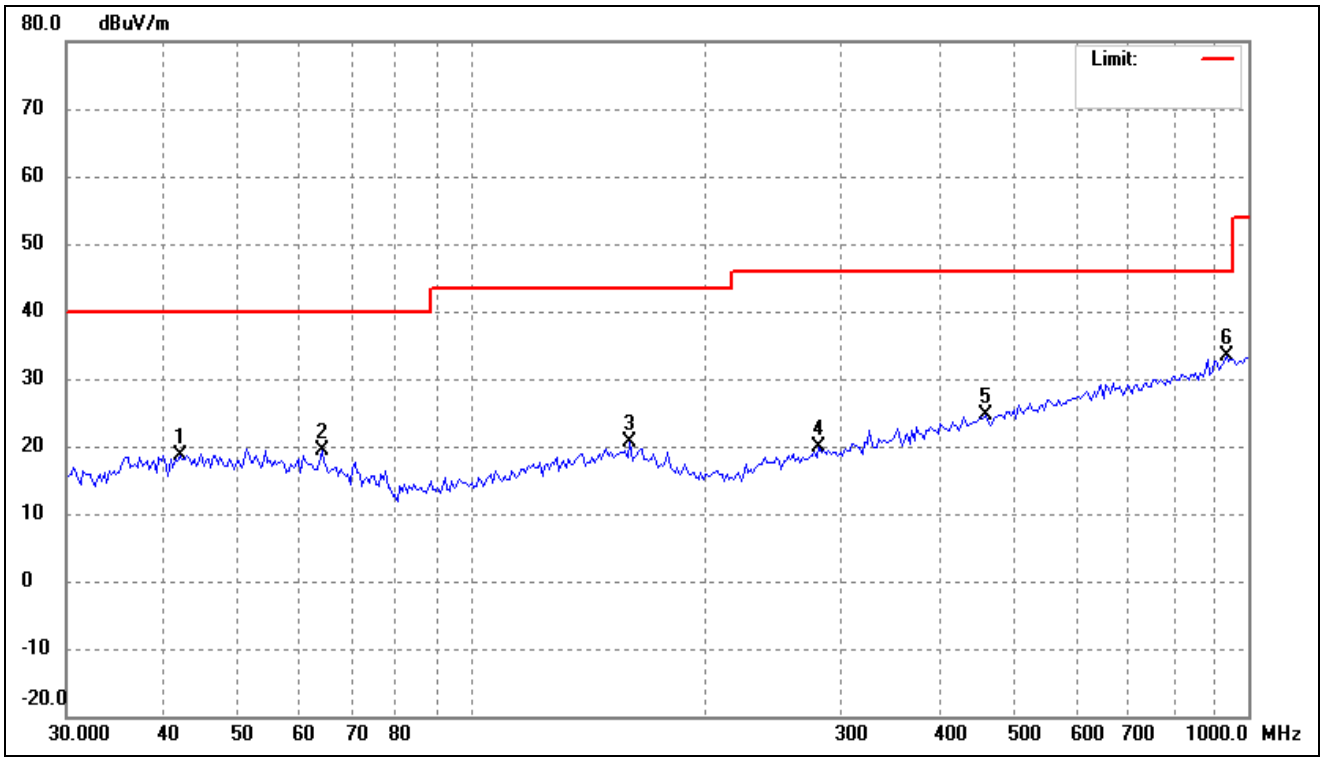
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.3780	28.72	-8.21	20.51	40.00	-19.49	-	-	peak
2	61.0041	27.84	-9.11	18.73	40.00	-21.27	-	-	peak
3	153.1627	28.57	-8.61	19.96	43.50	-23.54	-	-	peak
4	341.2442	29.03	-7.26	21.77	46.00	-24.23	-	-	peak
5	565.9776	29.99	-2.47	27.52	46.00	-18.48	-	-	peak
6	938.7139	31.01	2.01	33.02	46.00	-12.98	-	-	peak

802.11ac-VHT20			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



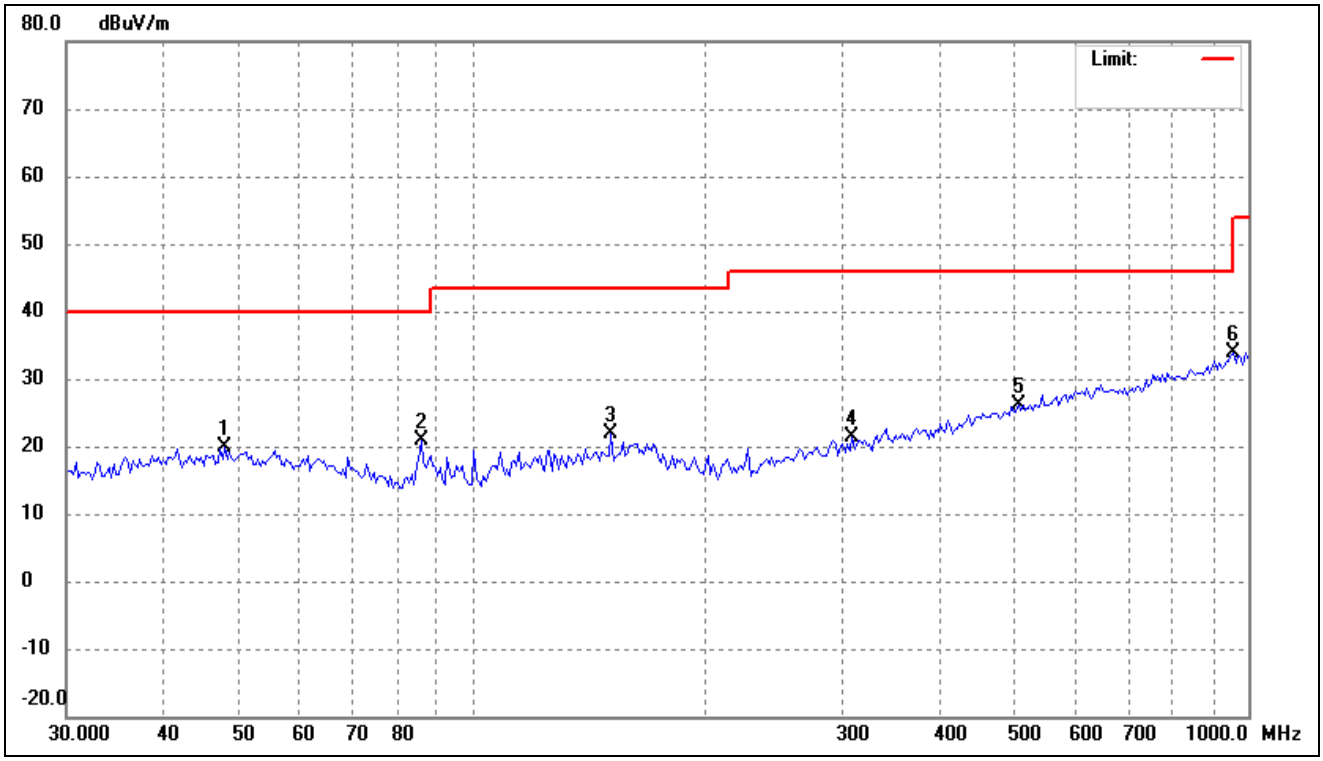
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	55.6782	28.59	-8.67	19.92	40.00	-20.08	-	-	peak
2	107.0306	35.79	-11.85	23.94	43.50	-19.56	-	-	peak
3	182.5785	32.26	-10.60	21.66	43.50	-21.84	-	-	peak
4	322.5896	29.03	-7.62	21.41	46.00	-24.59	-	-	peak
5	535.0377	30.13	-3.25	26.88	46.00	-19.12	-	-	peak
6	965.4742	31.44	2.27	33.71	54.00	-20.29	-	-	peak

802.11ac-VHT40			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



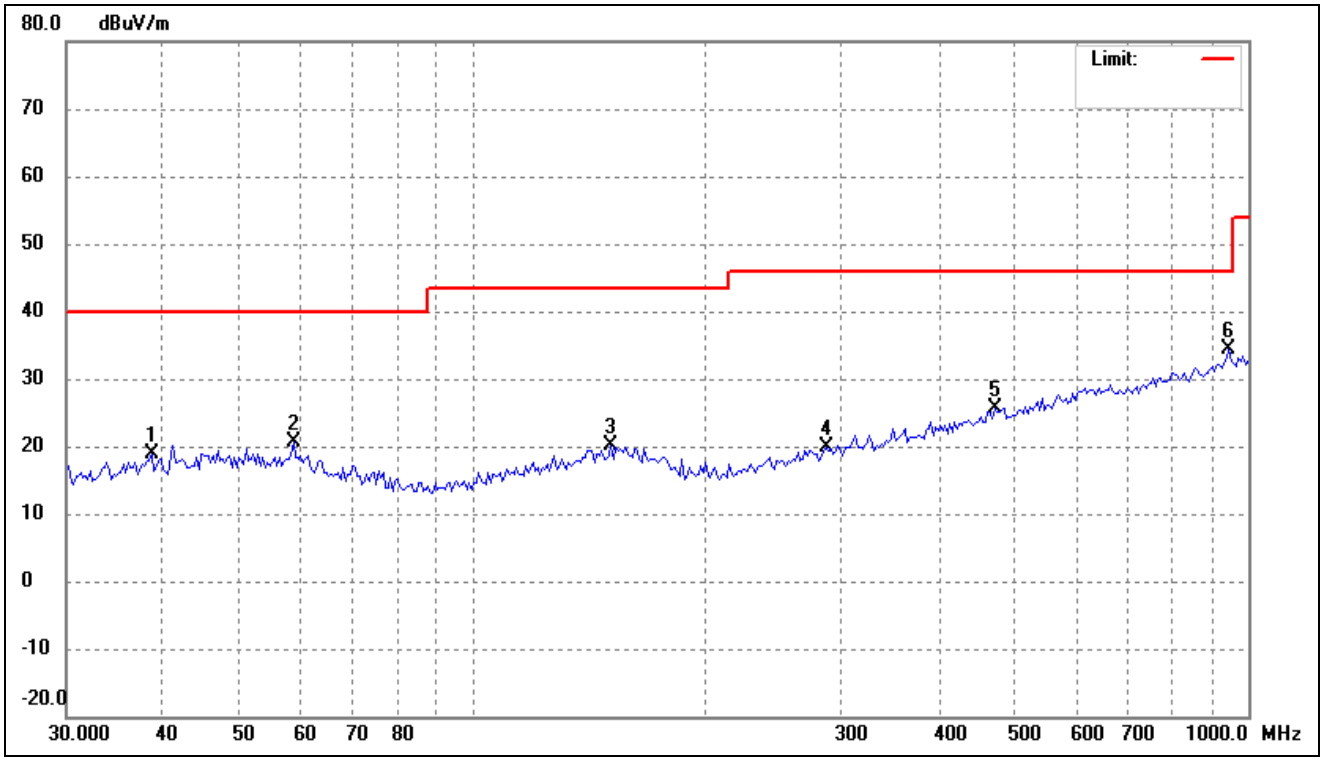
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.0350	27.20	-8.47	18.73	40.00	-21.27	-	-	peak
2	64.0800	29.17	-9.68	19.49	40.00	-20.51	-	-	peak
3	159.7586	29.13	-8.61	20.52	43.50	-22.98	-	-	peak
4	280.2936	28.81	-8.93	19.88	46.00	-26.12	-	-	peak
5	458.3987	29.10	-4.47	24.63	46.00	-21.37	-	-	peak
6	938.7139	31.42	2.01	33.43	46.00	-12.57	-	-	peak

802.11ac-VHT40			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



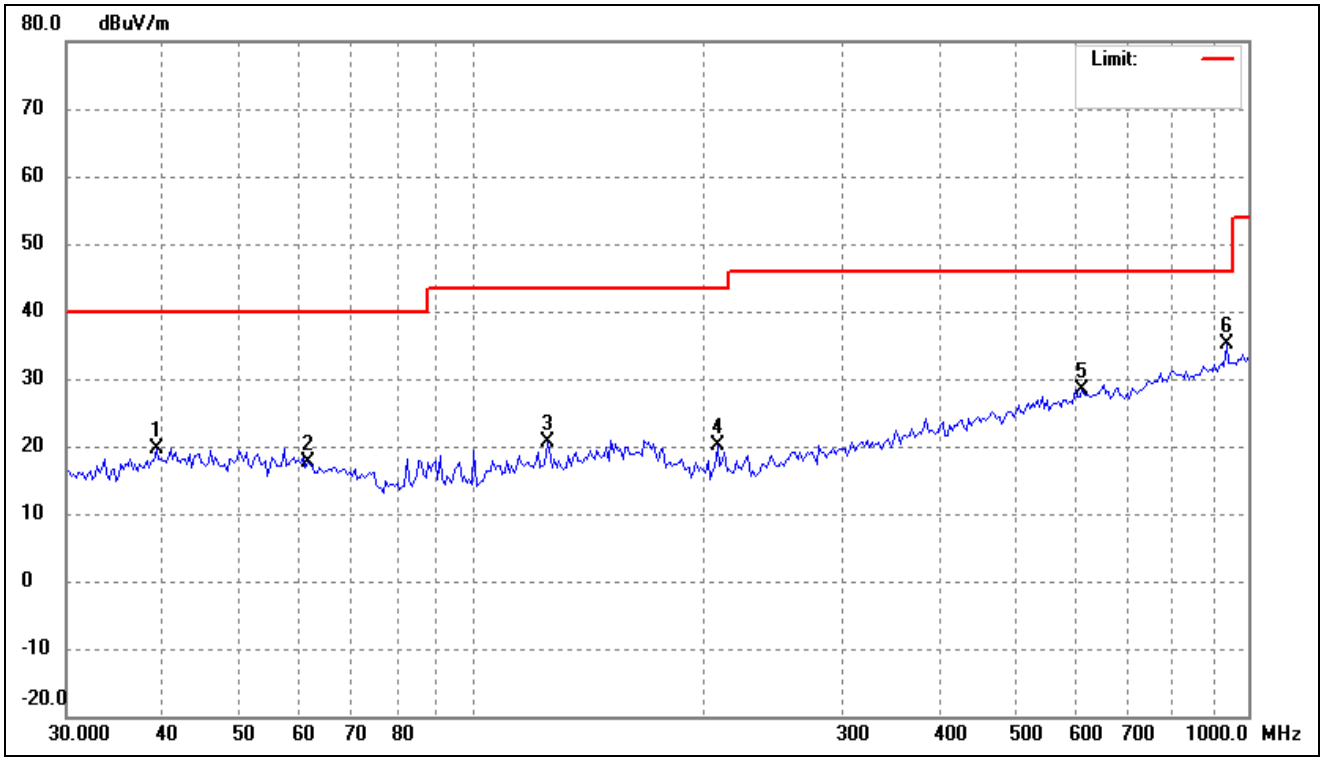
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	28.14	-8.23	19.91	40.00	-20.09	-	-	peak
2	86.0796	33.85	-13.04	20.81	40.00	-19.19	-	-	peak
3	151.0252	30.41	-8.61	21.80	43.50	-21.70	-	-	peak
4	309.2710	29.39	-8.00	21.39	46.00	-24.61	-	-	peak
5	505.7891	29.88	-3.80	26.08	46.00	-19.92	-	-	peak
6	958.7135	31.52	2.26	33.78	46.00	-12.22	-	-	peak

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



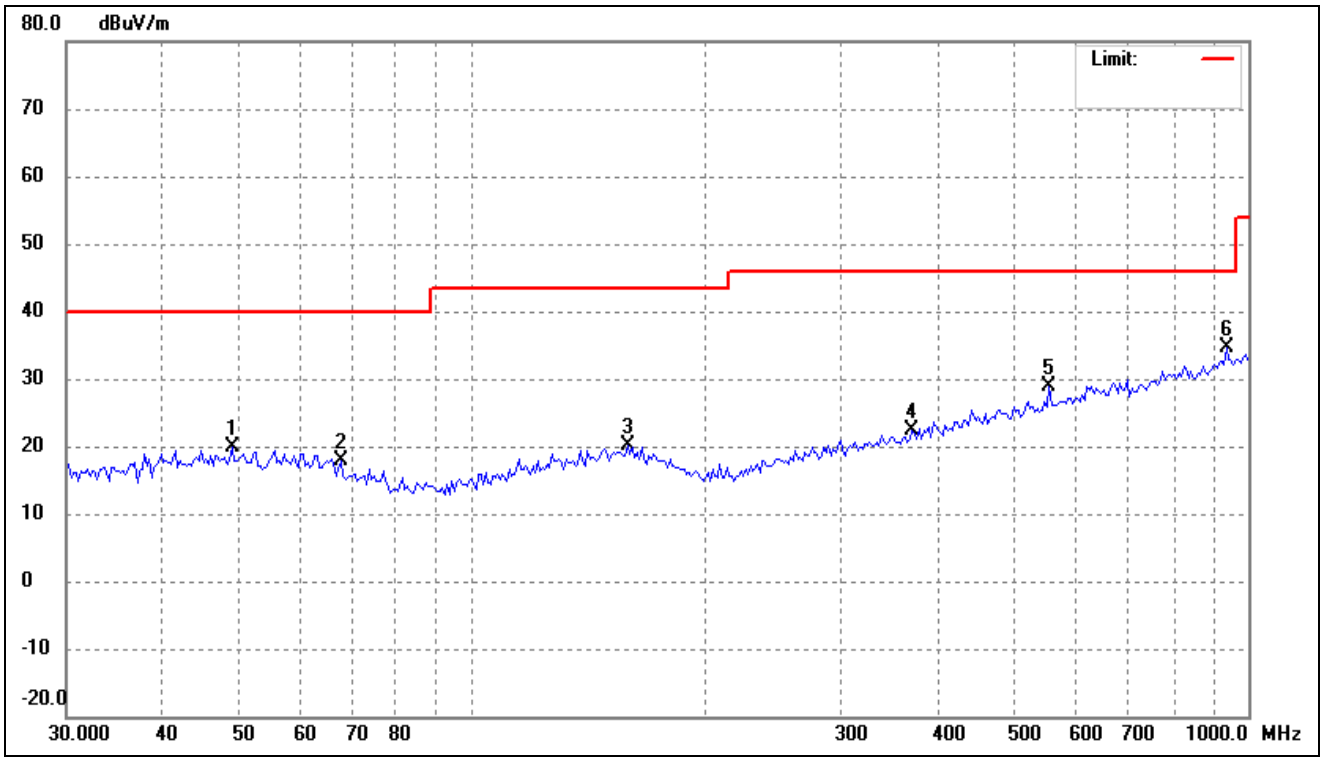
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.6357	27.76	-8.78	18.98	40.00	-21.02	-	-	peak
2	58.8979	29.38	-8.87	20.51	40.00	-19.49	-	-	peak
3	151.0252	28.85	-8.61	20.24	43.50	-23.26	-	-	peak
4	286.2653	28.57	-8.72	19.85	46.00	-26.15	-	-	peak
5	471.4665	29.82	-4.29	25.53	46.00	-20.47	-	-	peak
6	945.3336	32.26	2.15	34.41	46.00	-11.59	-	-	peak

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



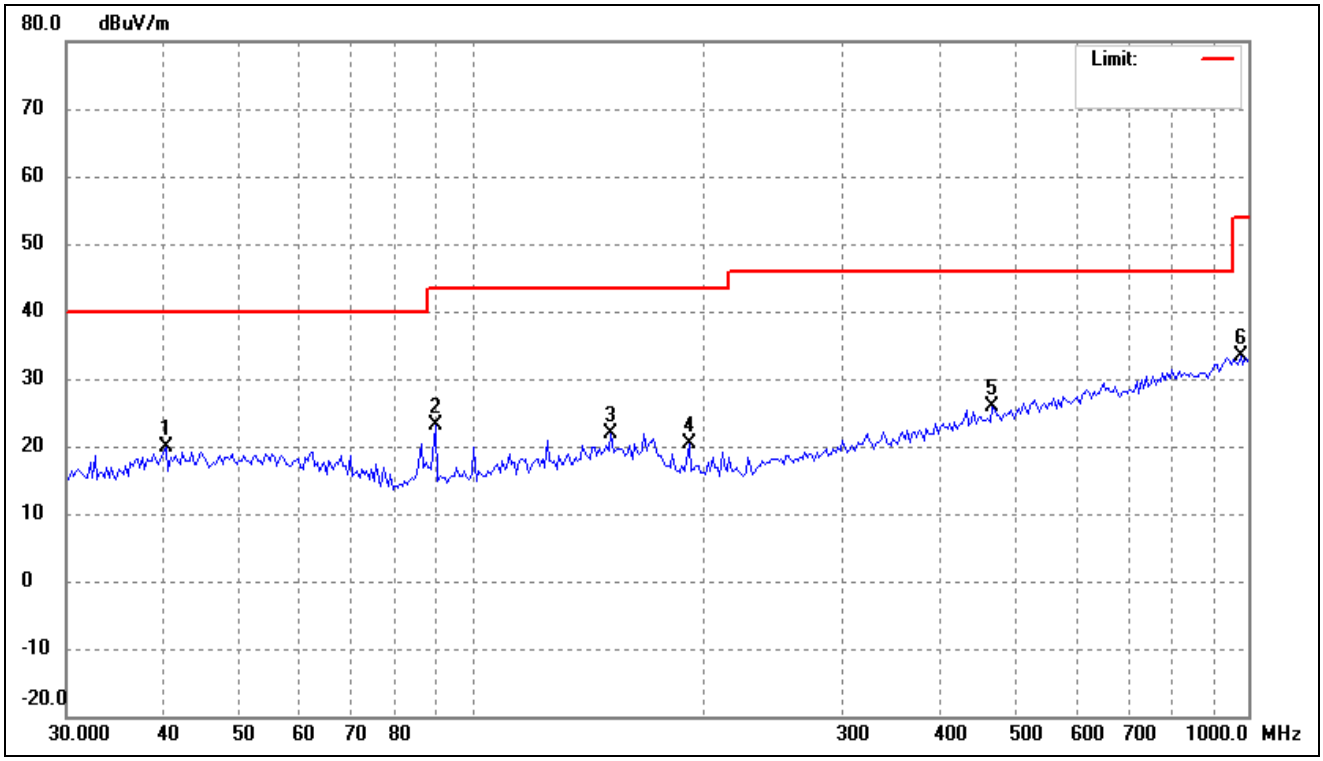
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1825	28.31	-8.65	19.66	40.00	-20.34	-	-	peak
2	61.4343	26.72	-9.20	17.52	40.00	-22.48	-	-	peak
3	124.9249	30.78	-10.19	20.59	43.50	-22.91	-	-	peak
4	207.1968	32.35	-12.13	20.22	43.50	-23.28	-	-	peak
5	611.4623	30.09	-1.59	28.50	46.00	-17.50	-	-	peak
6	938.7139	33.00	2.01	35.01	46.00	-10.99	-	-	peak

802.11ac-VHT160			
Test Channel	5570MHz(worst case)	Polarity:	Horizontal



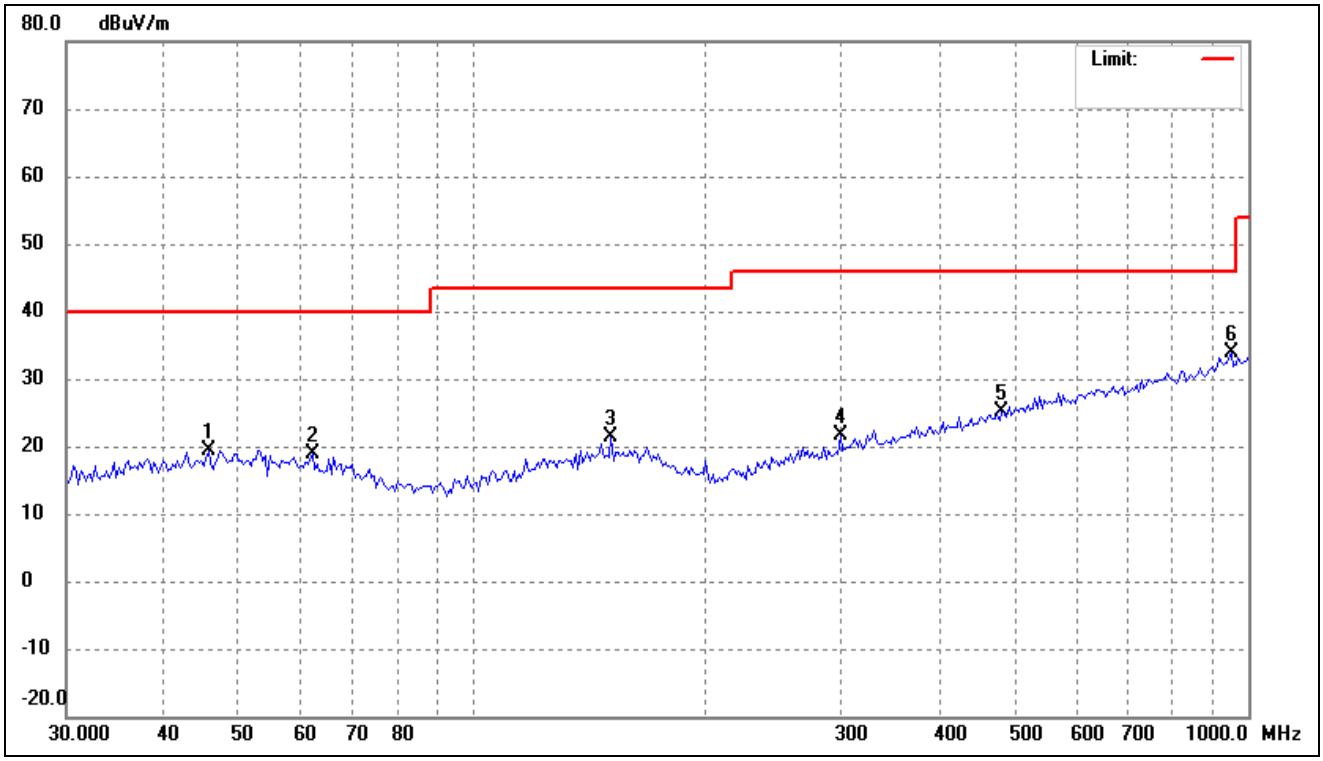
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	27.99	-8.15	19.84	40.00	-20.16	-	-	peak
2	67.7856	28.36	-10.36	18.00	40.00	-22.00	-	-	peak
3	158.6399	28.84	-8.61	20.23	43.50	-23.27	-	-	peak
4	368.6682	29.00	-6.63	22.37	46.00	-23.63	-	-	peak
5	554.1708	31.55	-2.75	28.80	46.00	-17.20	-	-	peak
6	938.7139	32.55	2.01	34.56	46.00	-11.44	-	-	peak

802.11ac-VHT160			
Test Channel	5570MHz(worst case)	Polarity:	Vertical



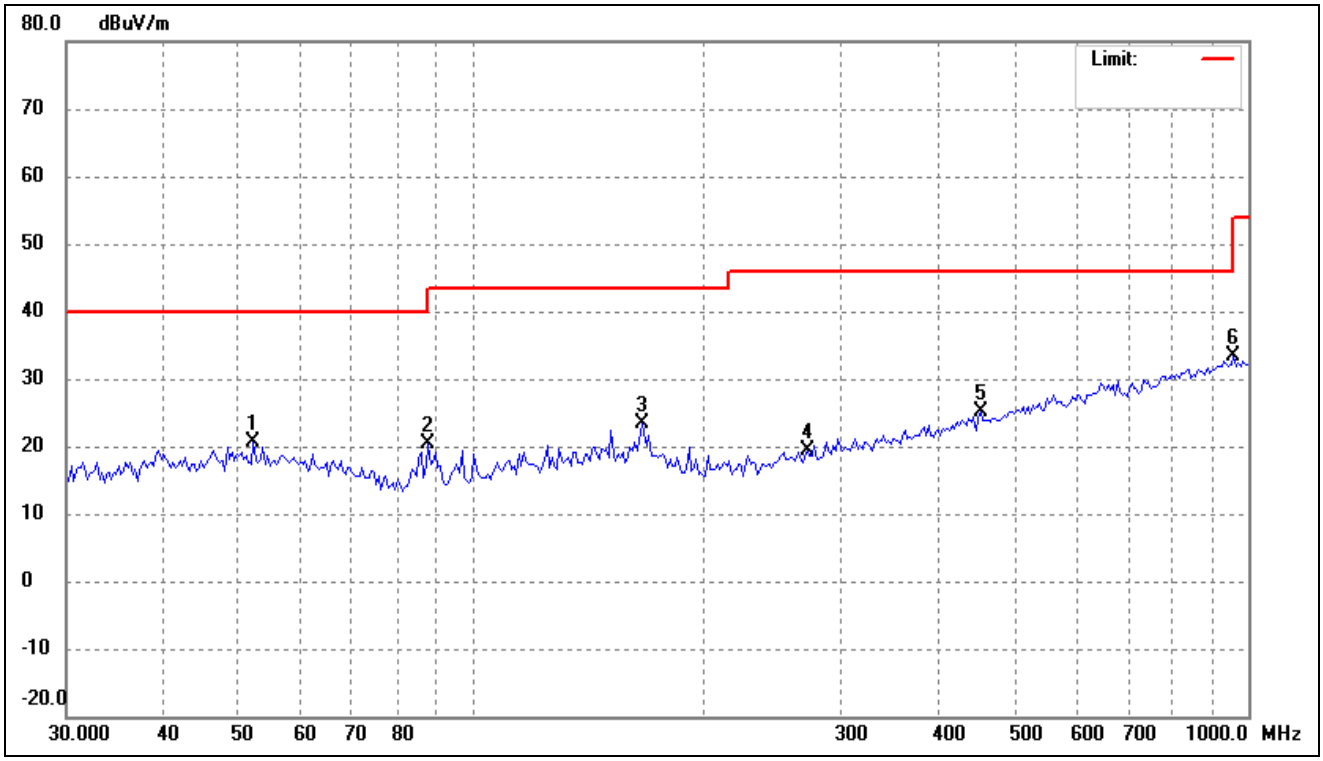
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	28.48	-8.48	20.00	40.00	-20.00	-	-	peak
2	89.7866	36.20	-13.10	23.10	43.50	-20.40	-	-	peak
3	151.0252	30.52	-8.61	21.91	43.50	-21.59	-	-	peak
4	190.4411	31.95	-11.45	20.50	43.50	-23.00	-	-	peak
5	468.1651	30.21	-4.34	25.87	46.00	-20.13	-	-	peak
6	979.1392	31.05	2.28	33.33	54.00	-20.67	-	-	peak

802.11ax-HE20			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



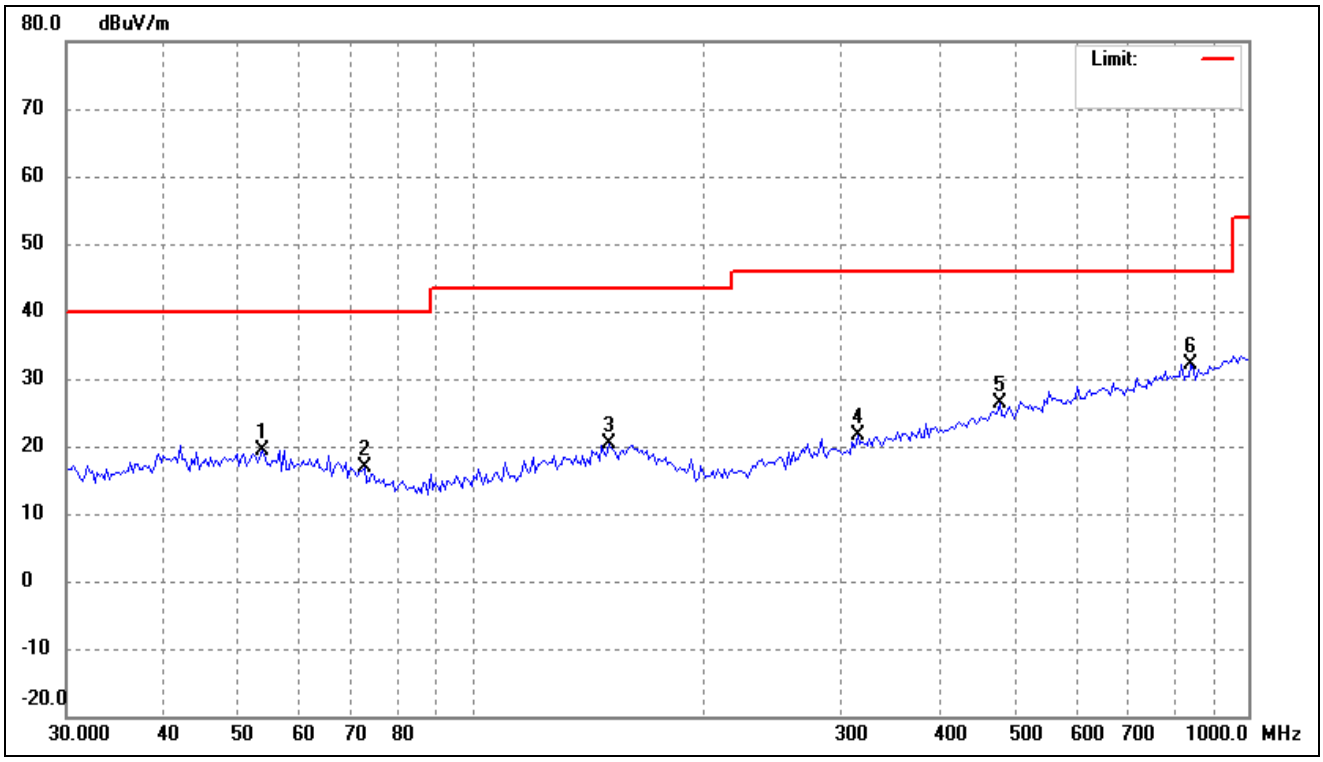
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.7333	27.74	-8.41	19.33	40.00	-20.67	-	-	peak
2	62.3038	28.14	-9.35	18.79	40.00	-21.21	-	-	peak
3	151.0252	29.96	-8.61	21.35	43.50	-22.15	-	-	peak
4	298.5932	30.04	-8.31	21.73	46.00	-24.27	-	-	peak
5	481.5112	29.29	-4.15	25.14	46.00	-20.86	-	-	peak
6	952.0001	31.58	2.25	33.83	46.00	-12.17	-	-	peak

802.11ax-HE20			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



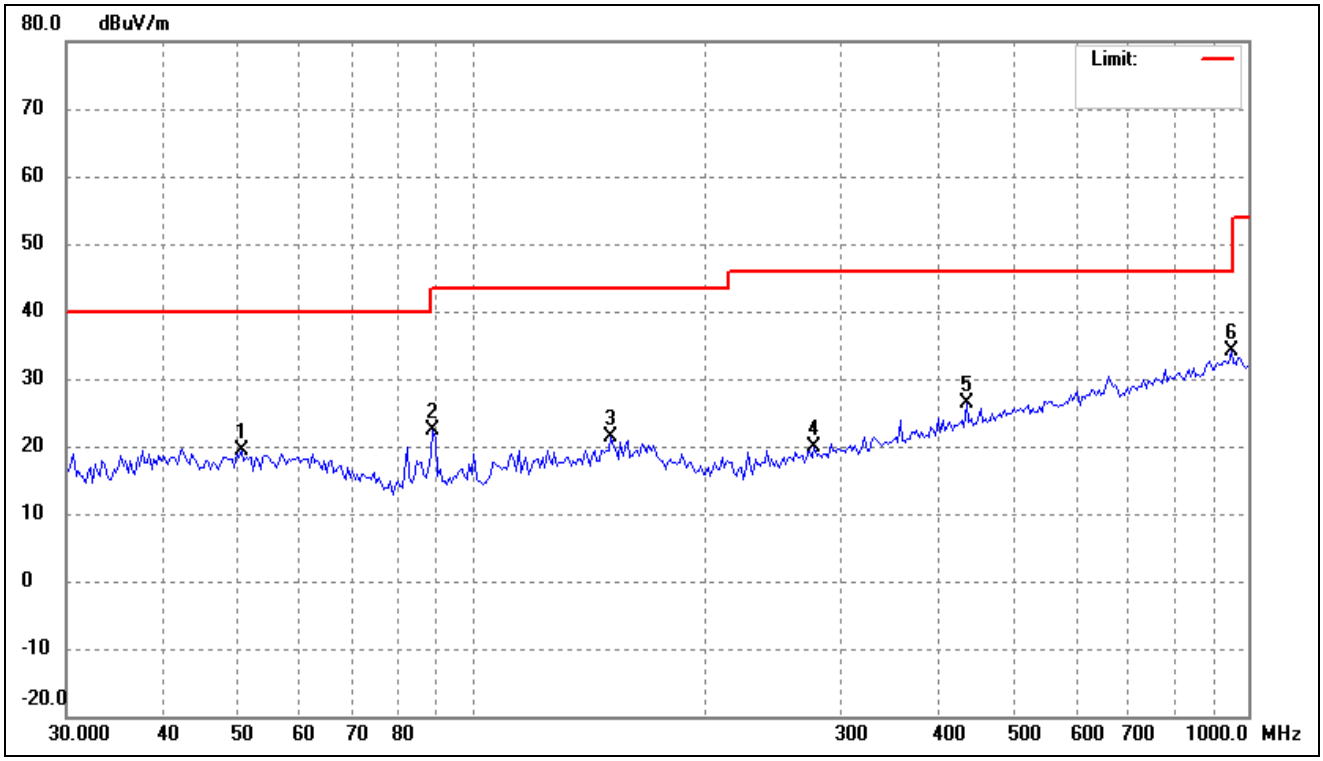
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2659	28.91	-8.33	20.58	40.00	-19.42	-	-	peak
2	87.9136	33.52	-13.07	20.45	40.00	-19.55	-	-	peak
3	165.4716	32.18	-8.76	23.42	43.50	-20.08	-	-	peak
4	270.6162	28.70	-9.30	19.40	46.00	-26.60	-	-	peak
5	452.0013	29.70	-4.56	25.14	46.00	-20.86	-	-	peak
6	958.7135	31.09	2.26	33.35	46.00	-12.65	-	-	peak

802.11ax-HE40			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



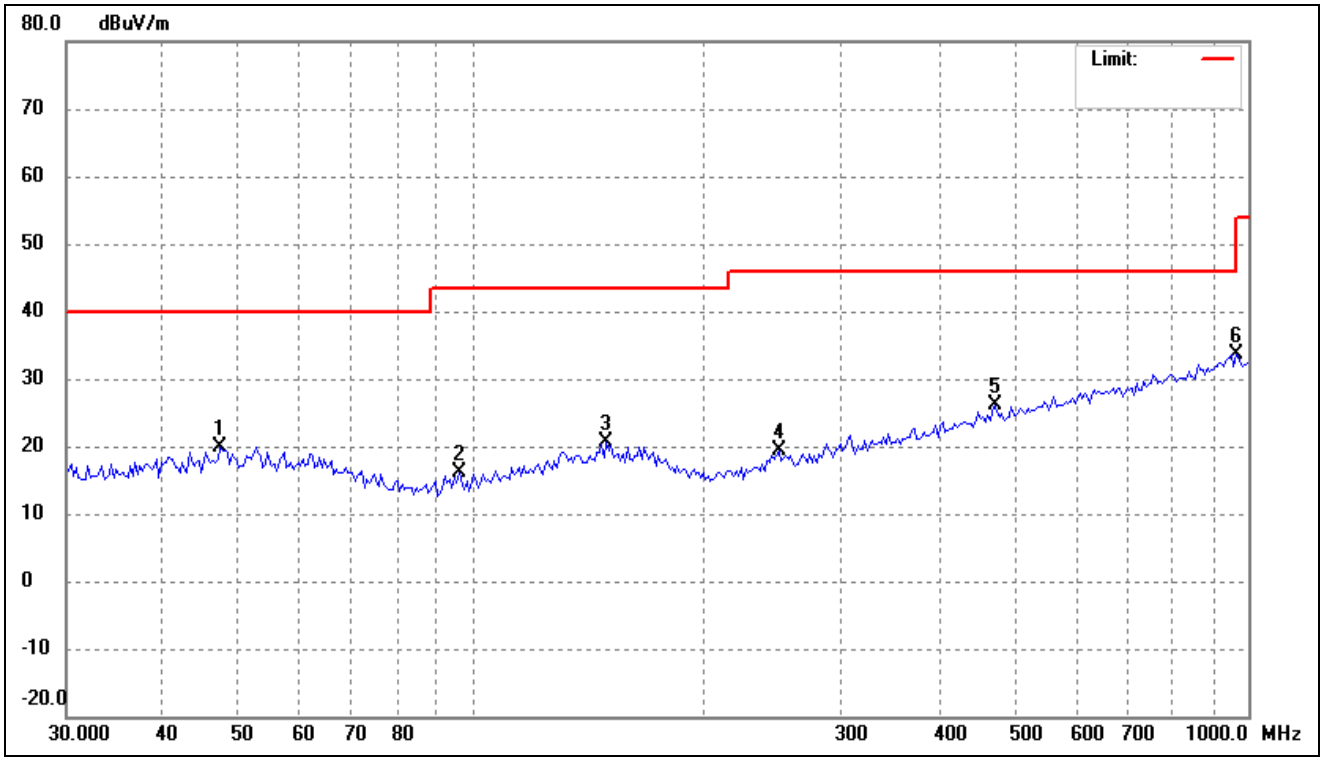
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.7559	27.79	-8.50	19.29	40.00	-20.71	-	-	peak
2	72.7203	28.13	-11.36	16.77	40.00	-23.23	-	-	peak
3	149.9676	28.90	-8.59	20.31	43.50	-23.19	-	-	peak
4	313.6483	29.52	-7.87	21.65	46.00	-24.35	-	-	peak
5	478.1394	30.57	-4.20	26.37	46.00	-19.63	-	-	peak
6	844.8028	31.54	0.69	32.23	46.00	-13.77	-	-	peak

802.11ax-HE40			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



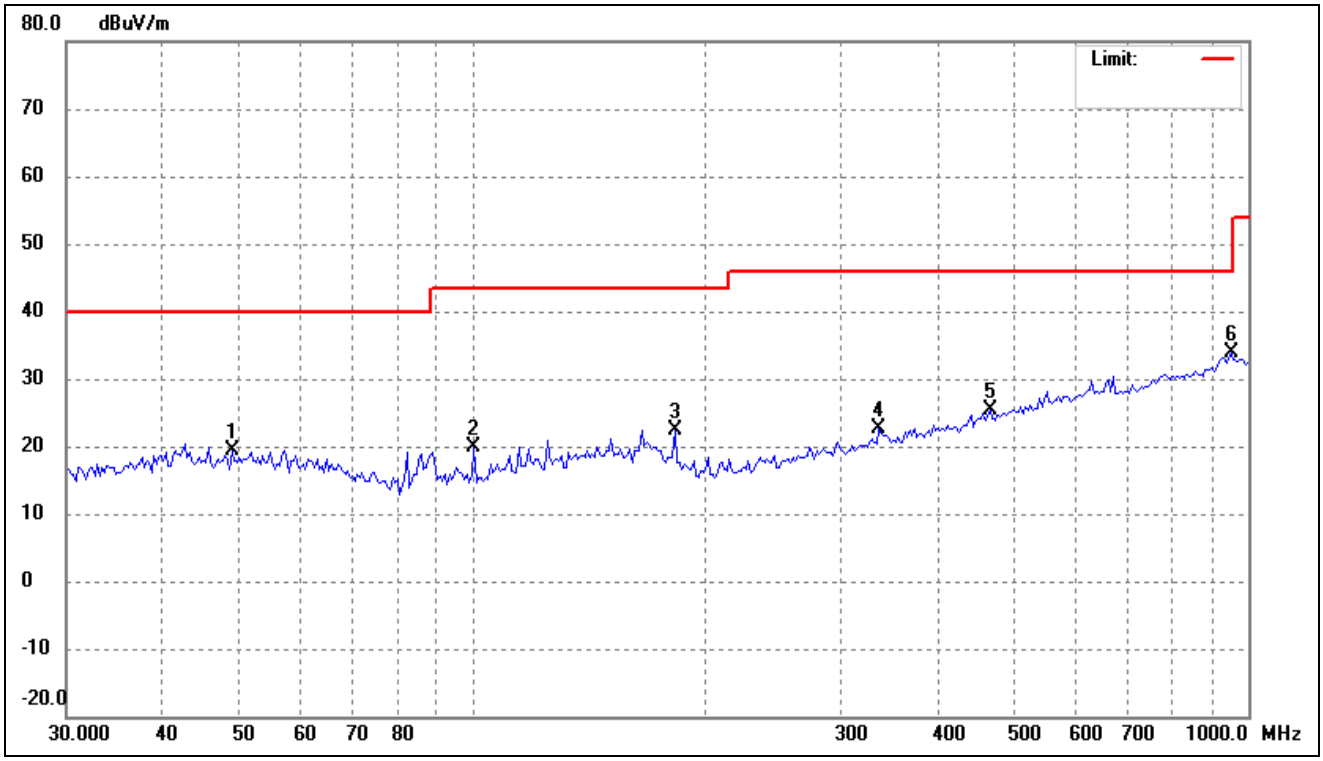
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	27.47	-8.14	19.33	40.00	-20.67	-	-	peak
2	89.1579	35.48	-13.09	22.39	43.50	-21.11	-	-	peak
3	151.0252	30.06	-8.61	21.45	43.50	-22.05	-	-	peak
4	276.3818	28.87	-9.06	19.81	46.00	-26.19	-	-	peak
5	433.3397	31.43	-5.05	26.38	46.00	-19.62	-	-	peak
6	952.0001	31.88	2.25	34.13	46.00	-11.87	-	-	peak

802.11ax-HE80			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



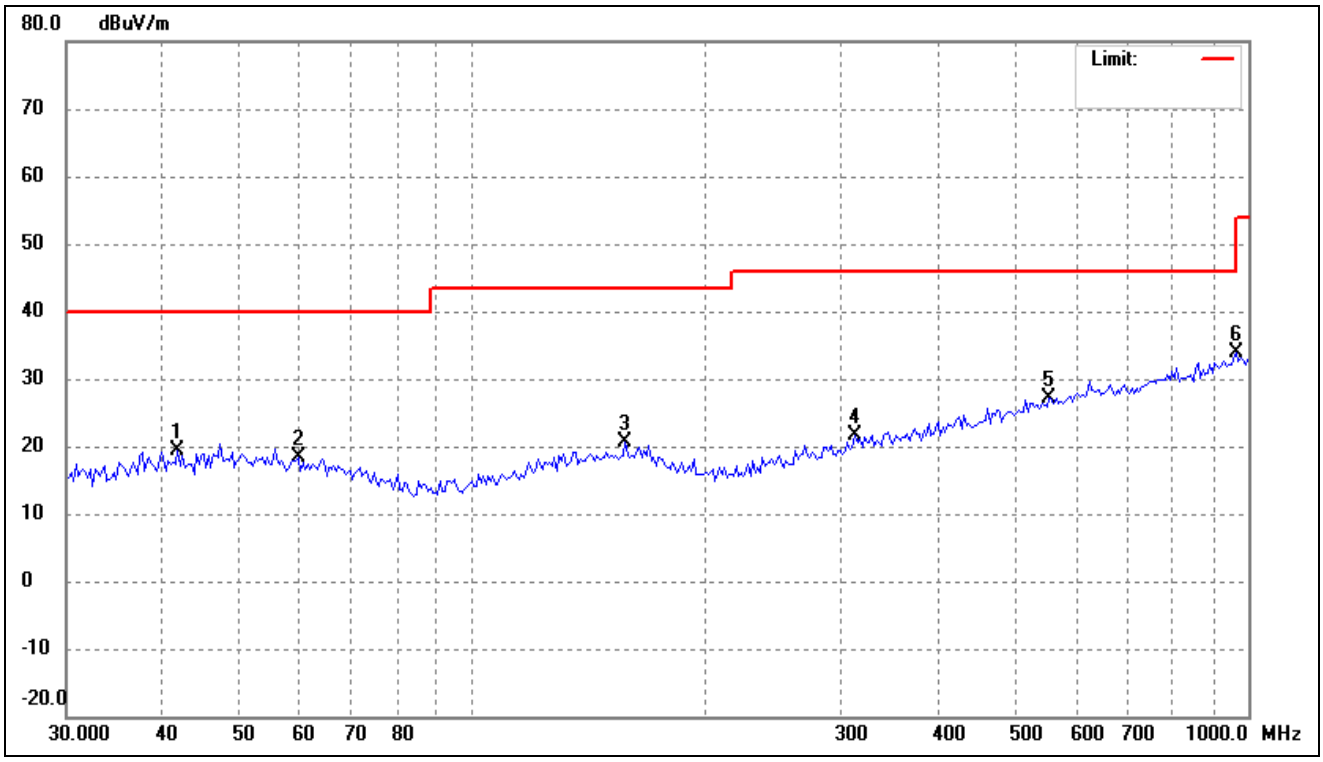
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.3688	28.20	-8.29	19.91	40.00	-20.09	-	-	peak
2	96.3230	28.78	-12.72	16.06	43.50	-27.44	-	-	peak
3	148.9175	29.36	-8.68	20.68	43.50	-22.82	-	-	peak
4	248.7319	29.57	-10.26	19.31	46.00	-26.69	-	-	peak
5	471.4665	30.35	-4.29	26.06	46.00	-19.94	-	-	peak
6	965.4742	31.28	2.27	33.55	54.00	-20.45	-	-	peak

802.11ax-HE80			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



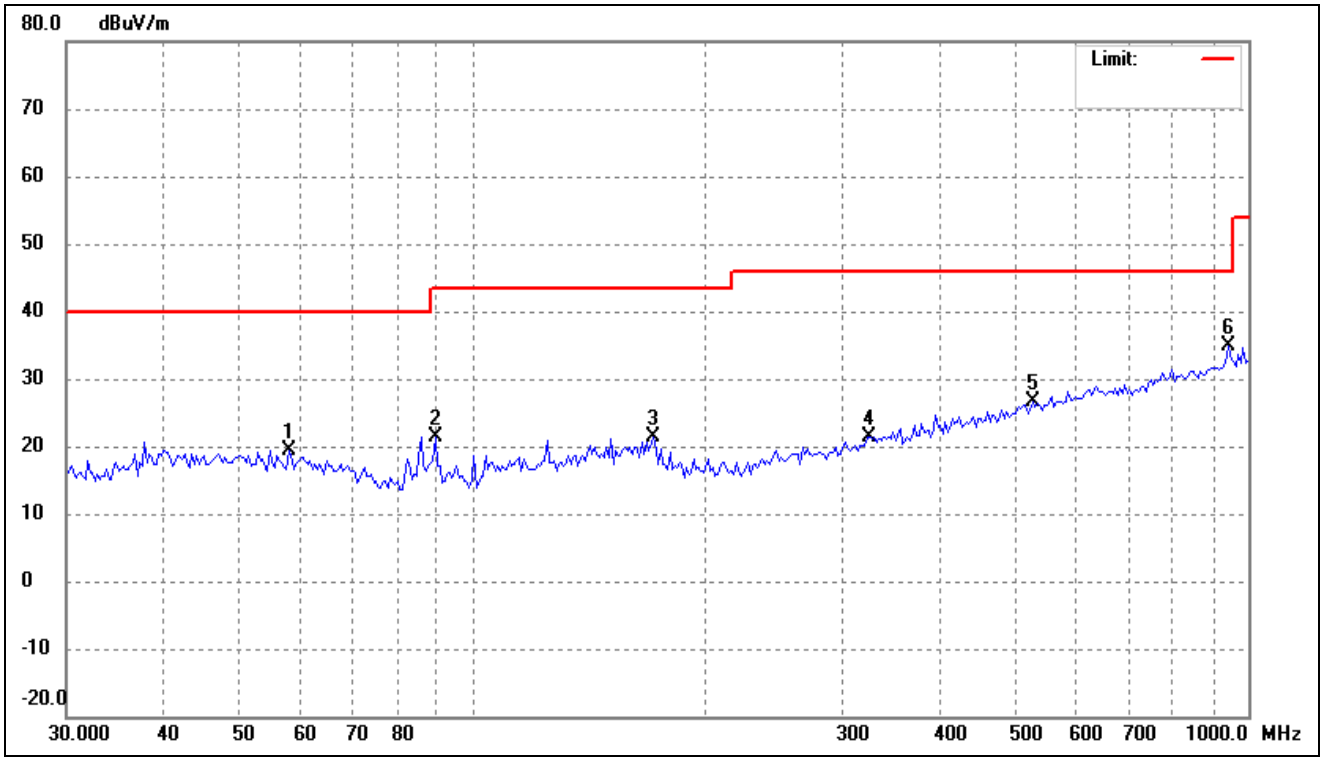
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	27.58	-8.15	19.43	40.00	-20.57	-	-	peak
2	100.4712	32.45	-12.45	20.00	43.50	-23.50	-	-	peak
3	182.5785	33.07	-10.60	22.47	43.50	-21.03	-	-	peak
4	334.1255	29.92	-7.39	22.53	46.00	-23.47	-	-	peak
5	464.8867	29.72	-4.37	25.35	46.00	-20.65	-	-	peak
6	952.0001	31.69	2.25	33.94	46.00	-12.06	-	-	peak

802.11ax-HE160			
Test Channel	5570MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	27.94	-8.47	19.47	40.00	-20.53	-	-	peak
2	59.7315	27.18	-8.92	18.26	40.00	-21.74	-	-	peak
3	157.5290	29.35	-8.61	20.74	43.50	-22.76	-	-	peak
4	311.4519	29.53	-7.93	21.60	46.00	-24.40	-	-	peak
5	554.1708	29.89	-2.75	27.14	46.00	-18.86	-	-	peak
6	965.4742	31.64	2.27	33.91	54.00	-20.09	-	-	peak

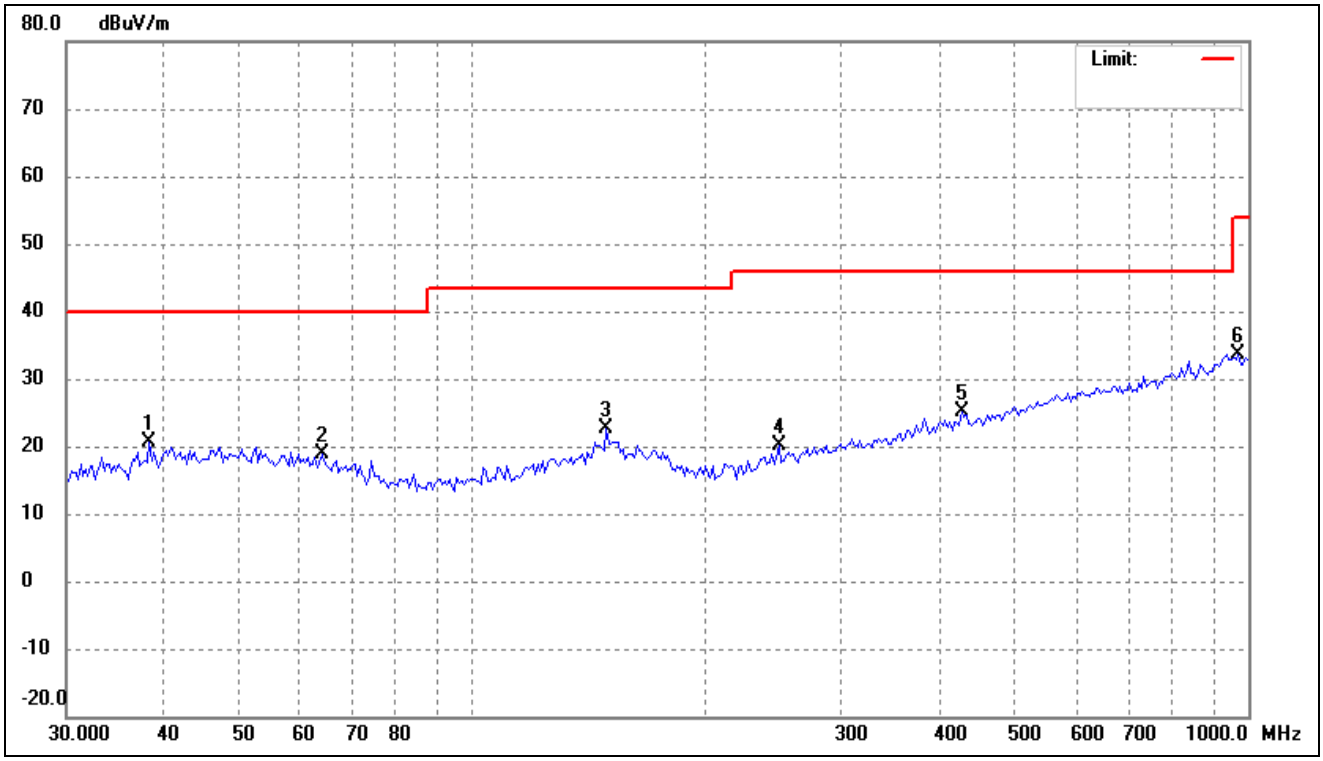
802.11ax-HE160			
Test Channel	5570MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	58.0759	28.15	-8.82	19.33	40.00	-20.67	-	-	peak
2	89.7866	34.59	-13.10	21.49	43.50	-22.01	-	-	peak
3	171.3890	30.55	-9.08	21.47	43.50	-22.03	-	-	peak
4	322.5896	28.89	-7.62	21.27	46.00	-24.73	-	-	peak
5	527.5707	30.17	-3.45	26.72	46.00	-19.28	-	-	peak
6	945.3336	32.67	2.15	34.82	46.00	-11.18	-	-	peak

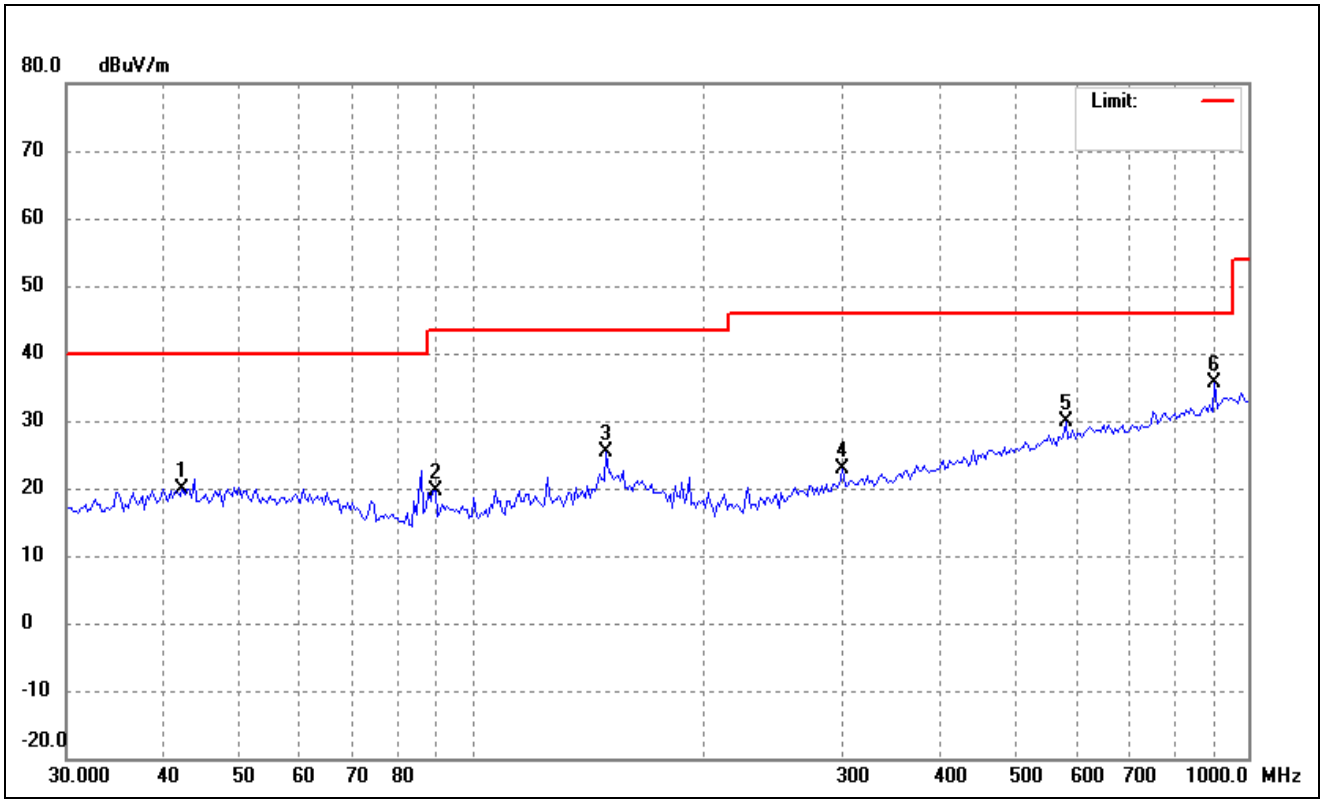
5725-5850MHz

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



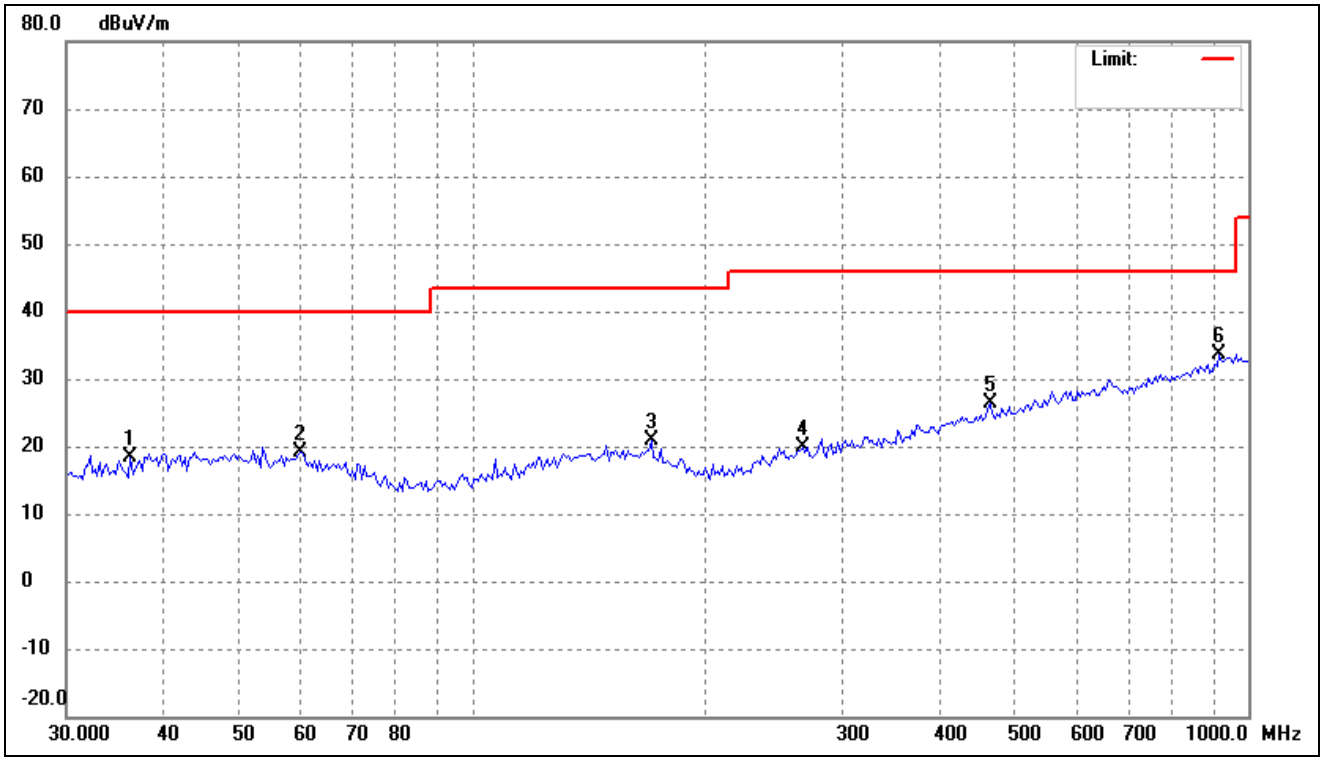
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.3651	29.37	-8.83	20.54	40.00	-19.46	-	-	peak
2	64.0800	28.45	-9.68	18.77	40.00	-21.23	-	-	peak
3	148.9175	31.42	-8.68	22.74	43.50	-20.76	-	-	peak
4	248.7319	30.44	-10.26	20.18	46.00	-25.82	-	-	peak
5	427.2920	30.47	-5.22	25.25	46.00	-20.75	-	-	peak
6	972.2827	31.43	2.27	33.70	54.00	-20.30	-	-	peak

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



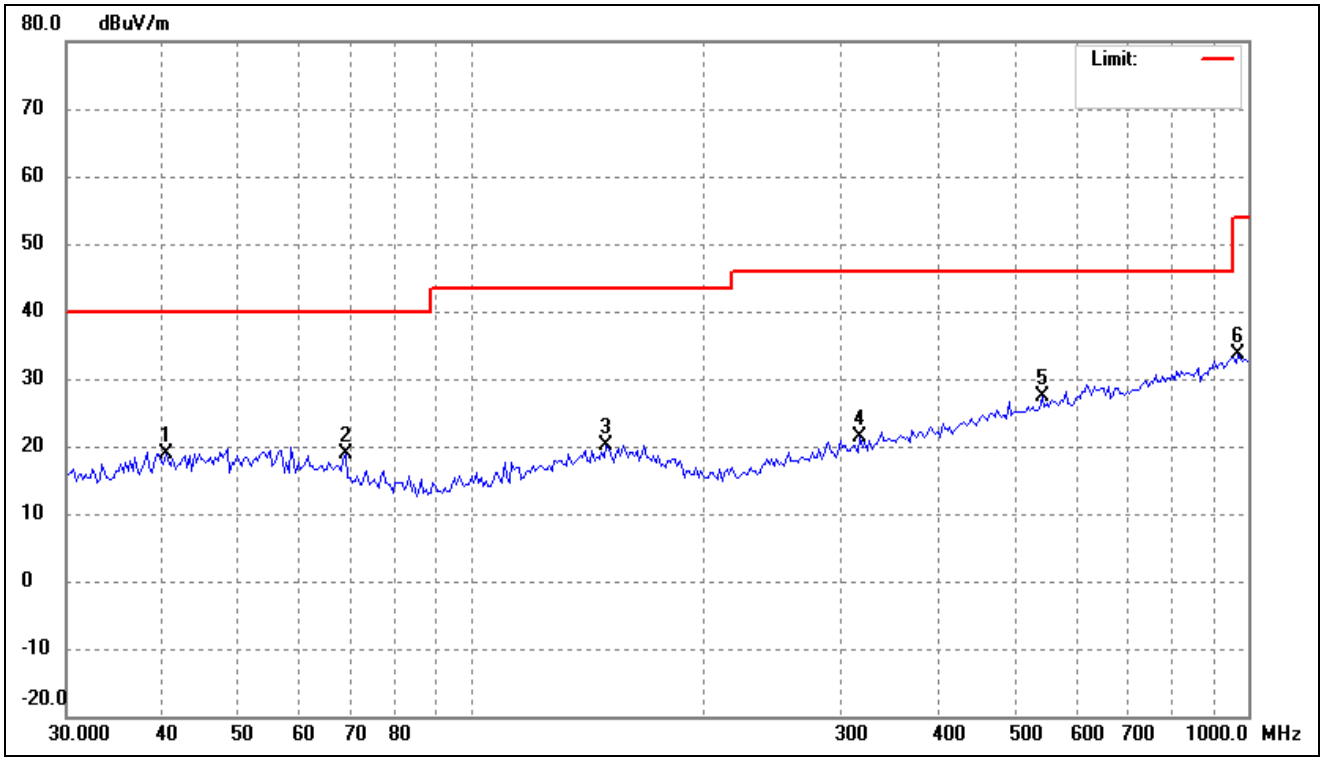
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.3314	28.44	-8.48	19.96	40.00	-20.04	-	-	peak
2	89.7866	32.76	-13.10	19.66	43.50	-23.84	-	-	peak
3	148.9175	33.96	-8.68	25.28	43.50	-18.22	-	-	peak
4	300.6988	31.14	-8.24	22.90	46.00	-23.10	-	-	peak
5	582.1122	32.00	-2.11	29.89	46.00	-16.11	-	-	peak
6	906.3041	34.40	1.32	35.72	46.00	-10.28	-	-	peak

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



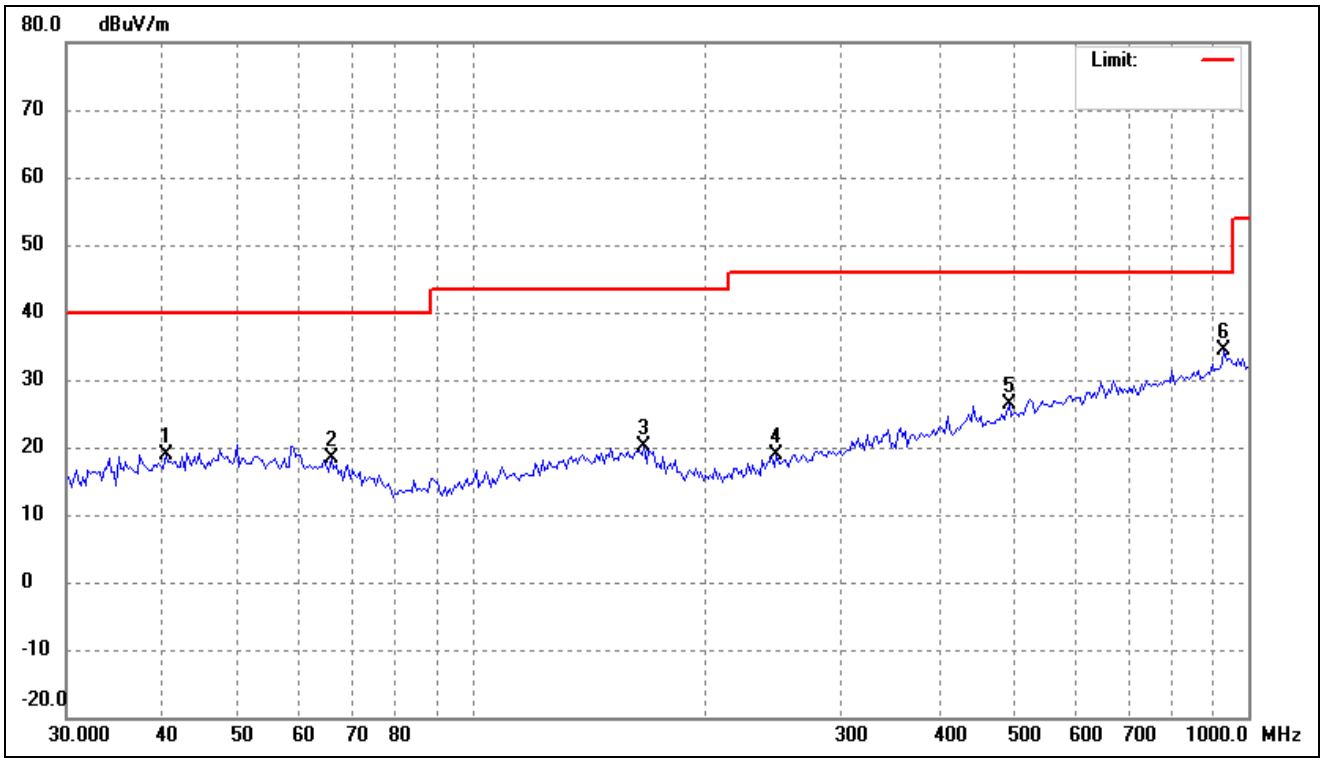
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.2678	27.65	-9.28	18.37	40.00	-21.63	-	-	peak
2	60.1528	28.00	-8.97	19.03	40.00	-20.97	-	-	peak
3	170.1888	29.76	-8.91	20.85	43.50	-22.65	-	-	peak
4	266.8395	29.46	-9.46	20.00	46.00	-26.00	-	-	peak
5	464.8867	30.81	-4.37	26.44	46.00	-19.56	-	-	peak
6	919.1315	32.00	1.59	33.59	46.00	-12.41	-	-	peak

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



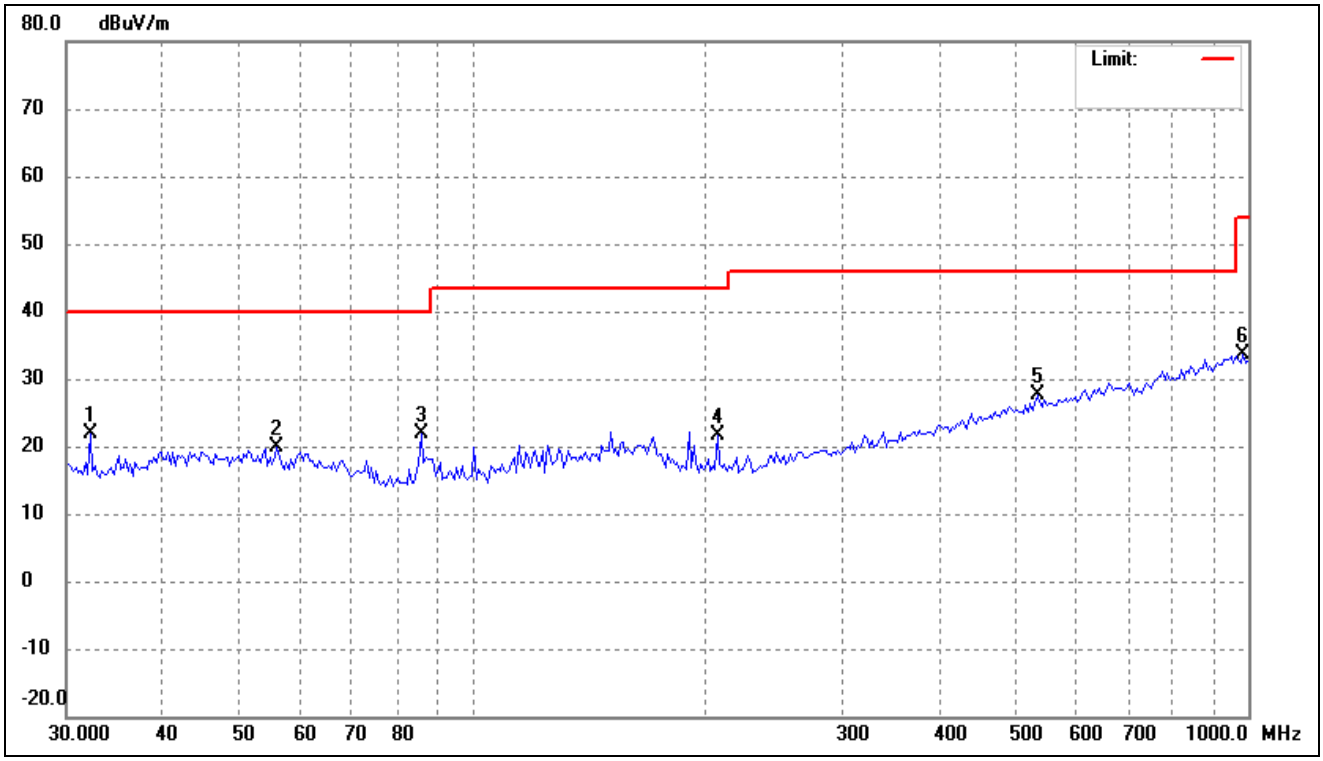
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	27.36	-8.48	18.88	40.00	-21.12	-	-	peak
2	68.7450	29.38	-10.54	18.84	40.00	-21.16	-	-	peak
3	148.9175	28.86	-8.68	20.18	43.50	-23.32	-	-	peak
4	315.8601	29.19	-7.81	21.38	46.00	-24.62	-	-	peak
5	542.6104	30.55	-3.05	27.50	46.00	-18.50	-	-	peak
6	972.2827	31.25	2.27	33.52	54.00	-20.48	-	-	peak

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



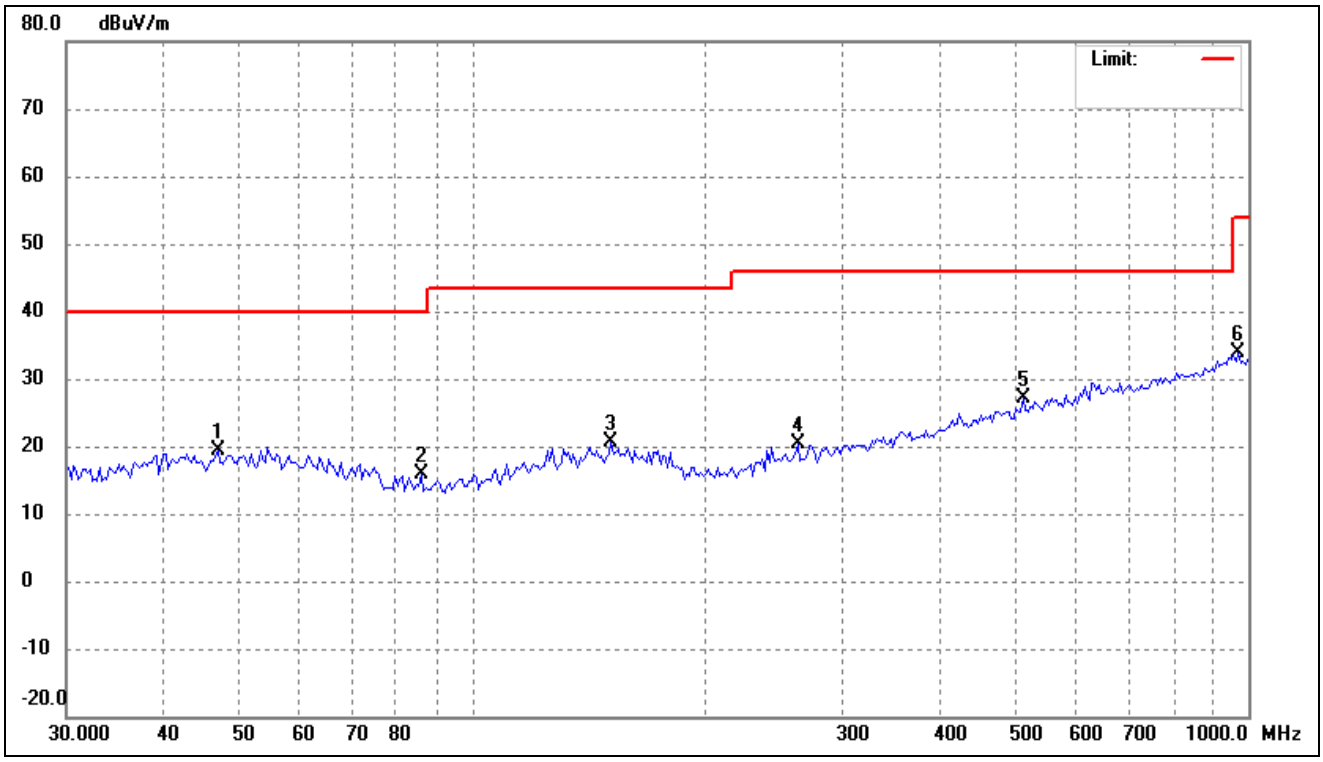
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	27.43	-8.48	18.95	40.00	-21.05	-	-	peak
2	65.9067	28.40	-10.02	18.38	40.00	-21.62	-	-	peak
3	166.6385	28.89	-8.79	20.10	43.50	-23.40	-	-	peak
4	246.9901	29.19	-10.30	18.89	46.00	-27.11	-	-	peak
5	491.7700	30.35	-4.01	26.34	46.00	-19.66	-	-	peak
6	932.1405	32.60	1.87	34.47	46.00	-11.53	-	-	peak

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



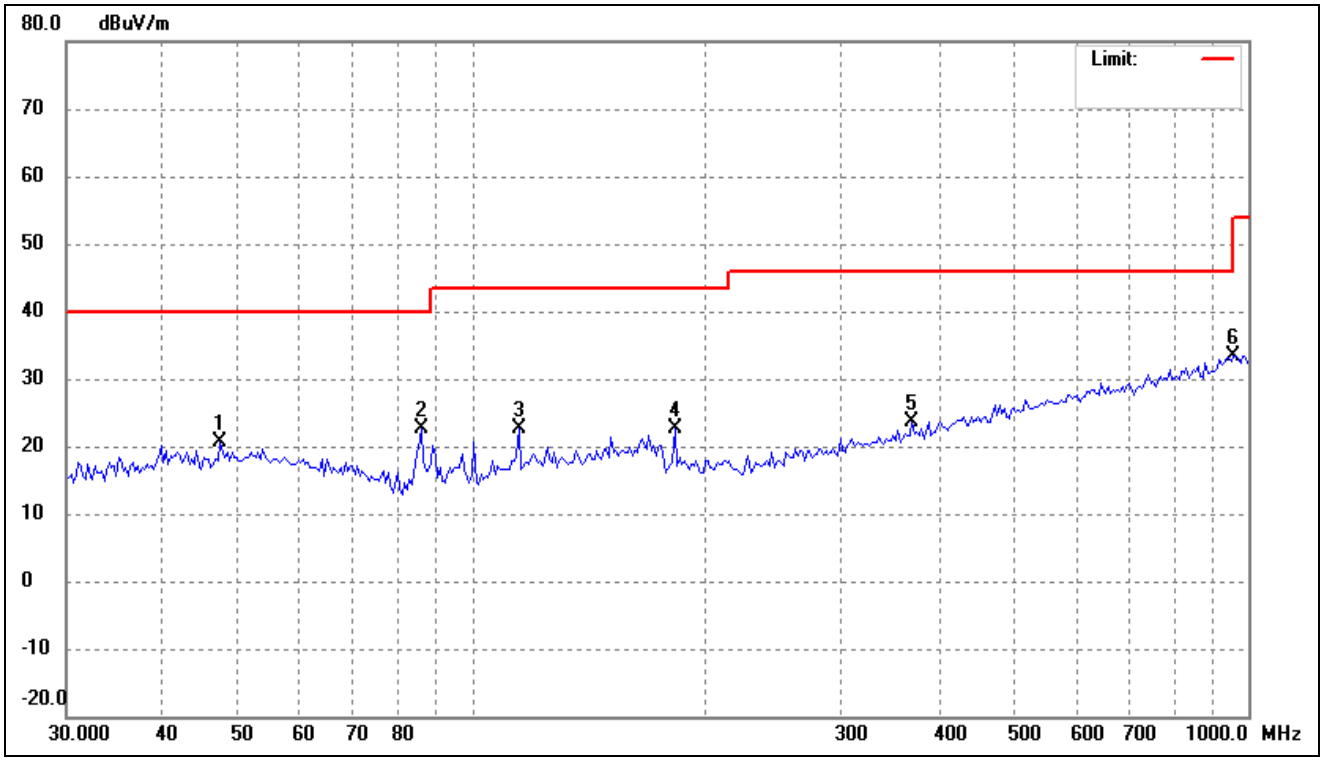
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.1840	31.68	-9.91	21.77	40.00	-18.23	-	-	peak
2	56.0708	28.68	-8.70	19.98	40.00	-20.02	-	-	peak
3	86.0796	34.86	-13.04	21.82	40.00	-18.18	-	-	peak
4	207.1968	33.80	-12.13	21.67	43.50	-21.83	-	-	peak
5	535.0377	30.76	-3.25	27.51	46.00	-18.49	-	-	peak
6	986.0440	31.39	2.28	33.67	54.00	-20.33	-	-	peak

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



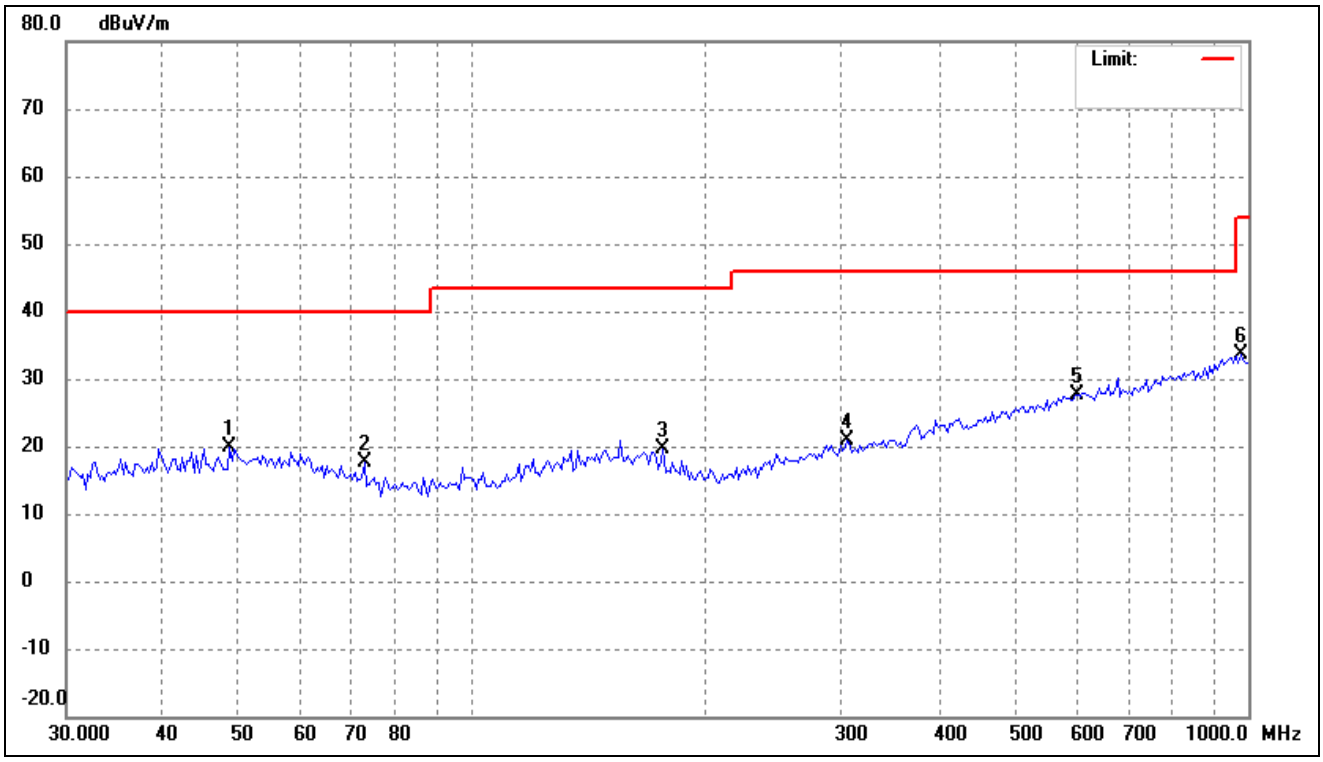
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.0371	27.69	-8.32	19.37	40.00	-20.63	-	-	peak
2	86.0796	29.04	-13.04	16.00	40.00	-24.00	-	-	peak
3	151.0252	29.19	-8.61	20.58	43.50	-22.92	-	-	peak
4	263.1155	30.06	-9.64	20.42	46.00	-25.58	-	-	peak
5	512.9478	30.82	-3.70	27.12	46.00	-18.88	-	-	peak
6	972.2827	31.55	2.27	33.82	54.00	-20.18	-	-	peak

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



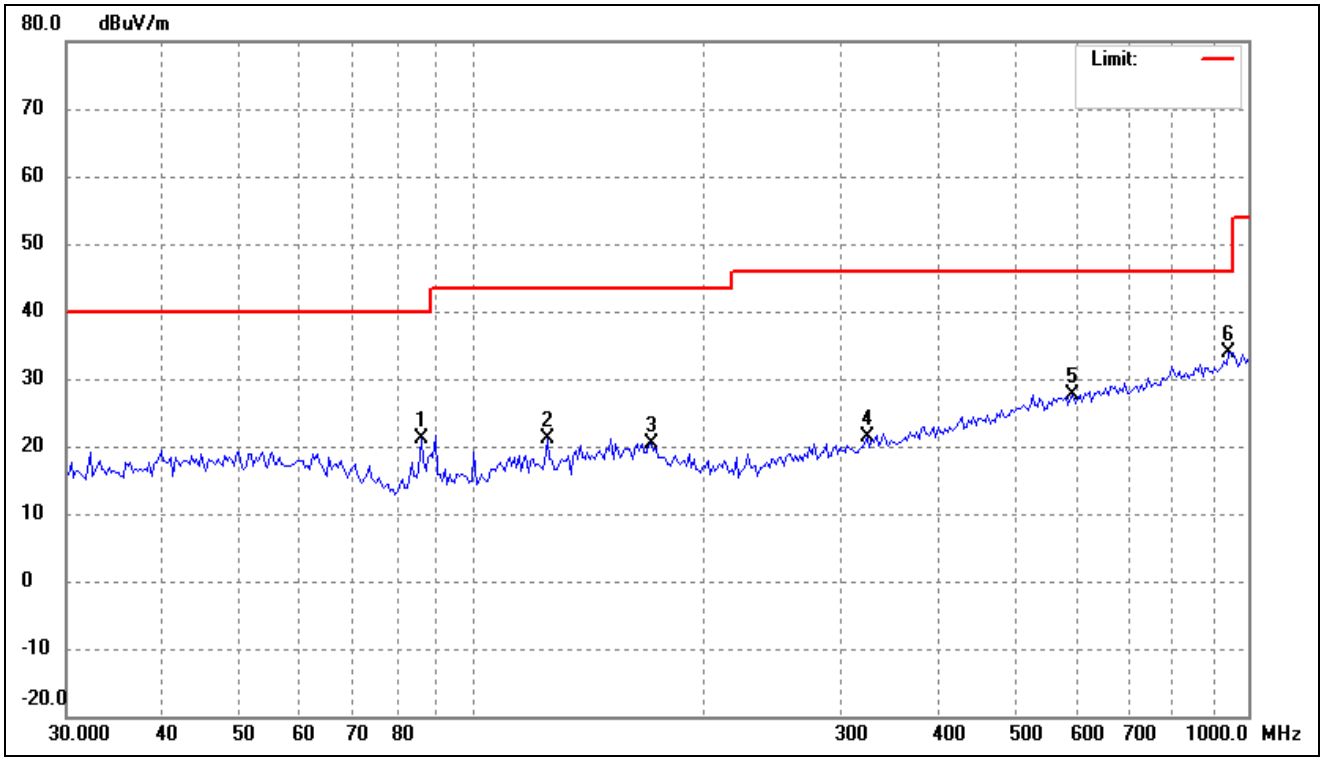
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.3688	28.93	-8.29	20.64	40.00	-19.36	-	-	peak
2	86.0796	35.78	-13.04	22.74	40.00	-17.26	-	-	peak
3	114.8224	33.78	-11.07	22.71	43.50	-20.79	-	-	peak
4	182.5785	33.34	-10.60	22.74	43.50	-20.76	-	-	peak
5	368.6682	30.38	-6.63	23.75	46.00	-22.25	-	-	peak
6	958.7135	31.09	2.26	33.35	46.00	-12.65	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



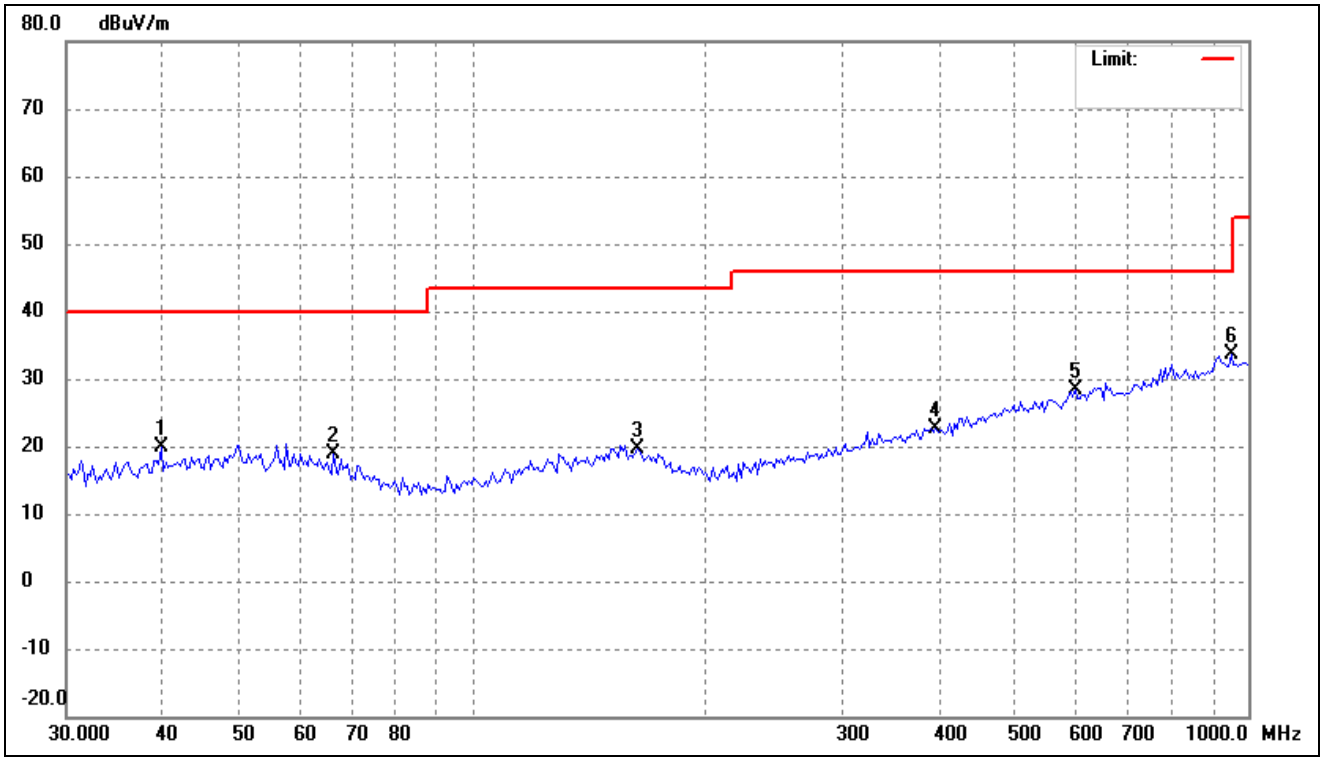
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.7191	28.12	-8.18	19.94	40.00	-20.06	-	-	peak
2	72.7203	28.91	-11.36	17.55	40.00	-22.45	-	-	peak
3	176.2748	29.35	-9.78	19.57	43.50	-23.93	-	-	peak
4	304.9548	29.08	-8.12	20.96	46.00	-25.04	-	-	peak
5	602.9287	29.42	-1.71	27.71	46.00	-18.29	-	-	peak
6	979.1392	31.40	2.28	33.68	54.00	-20.32	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



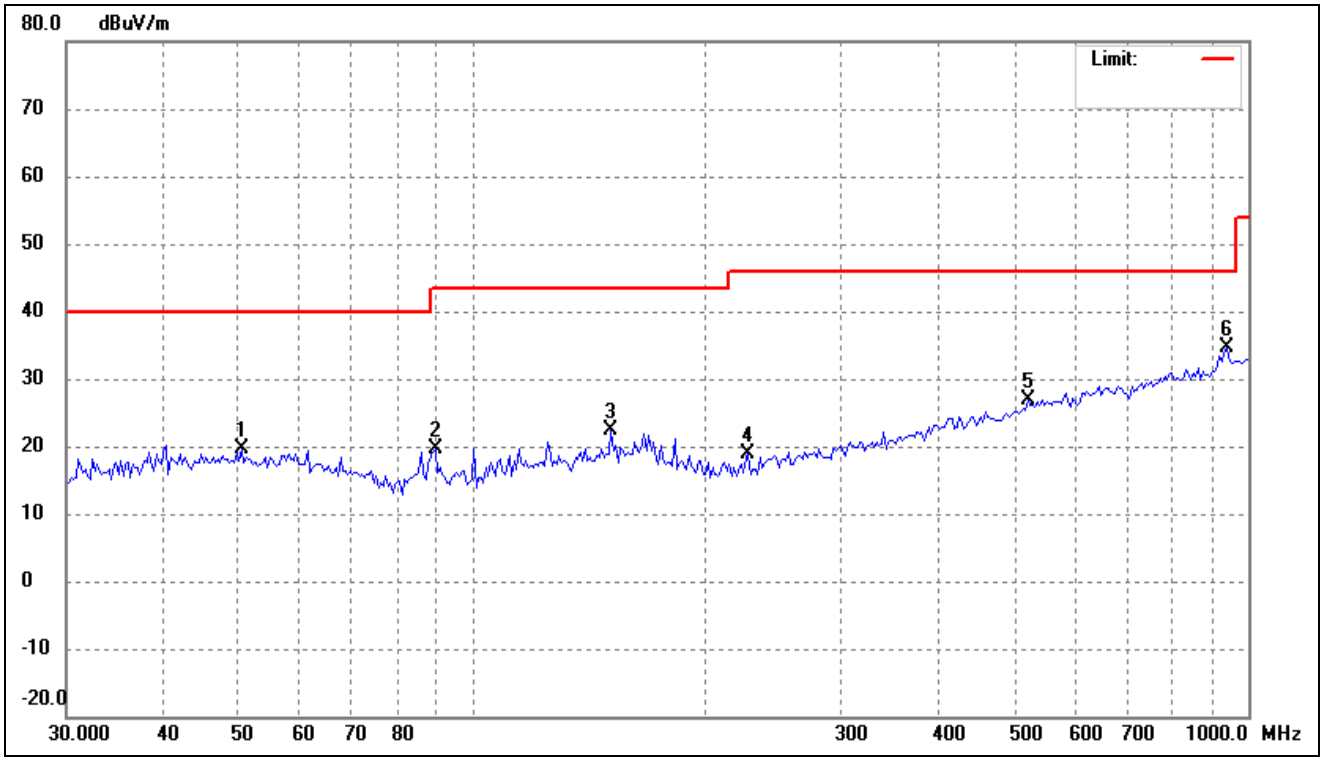
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	86.0796	34.08	-13.04	21.04	40.00	-18.96	-	-	peak
2	124.9249	31.31	-10.19	21.12	43.50	-22.38	-	-	peak
3	170.1888	29.26	-8.91	20.35	43.50	-23.15	-	-	peak
4	322.5896	28.99	-7.62	21.37	46.00	-24.63	-	-	peak
5	594.5143	29.53	-1.86	27.67	46.00	-18.33	-	-	peak
6	945.3336	31.78	2.15	33.93	46.00	-12.07	-	-	peak

802.11ac-VHT80			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



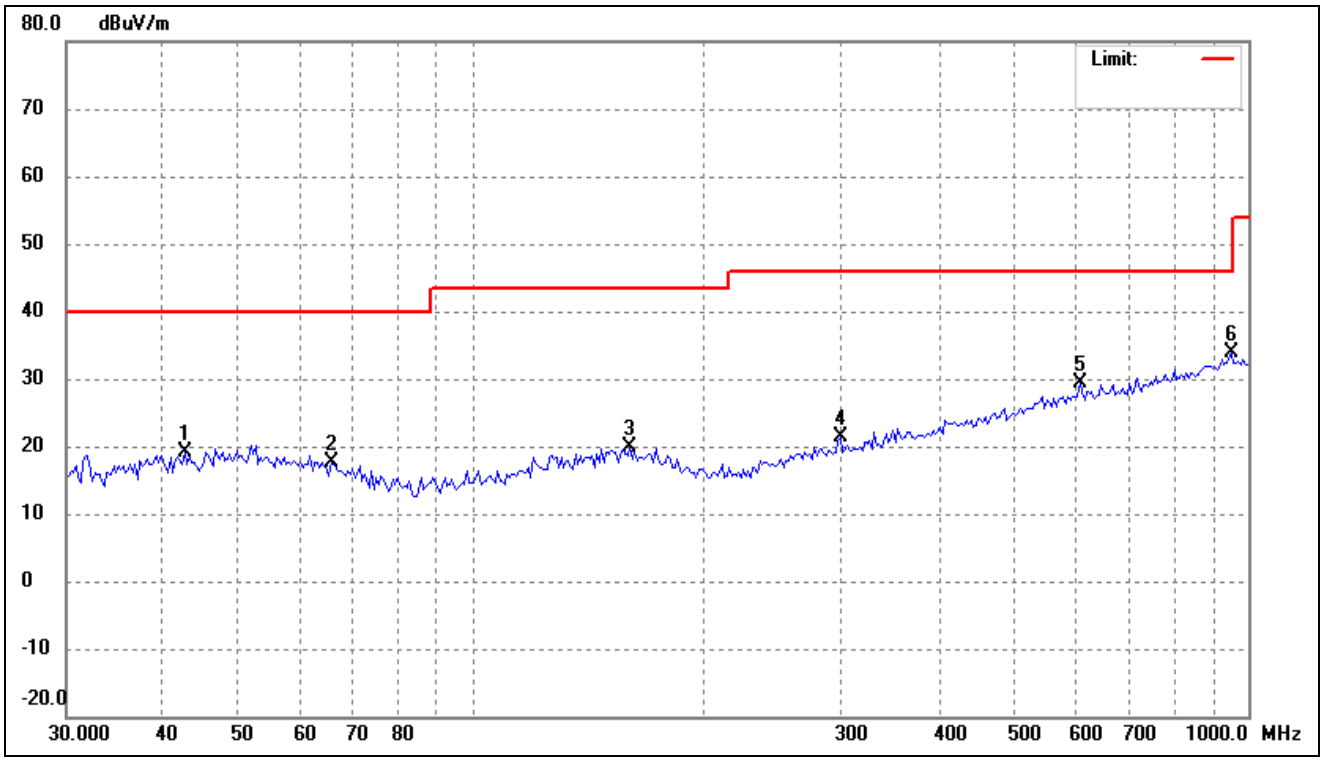
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.7371	28.33	-8.54	19.79	40.00	-20.21	-	-	peak
2	66.3715	28.91	-10.11	18.80	40.00	-21.20	-	-	peak
3	163.1623	28.21	-8.70	19.51	43.50	-23.99	-	-	peak
4	395.5071	28.80	-6.05	22.75	46.00	-23.25	-	-	peak
5	598.7067	30.11	-1.77	28.34	46.00	-17.66	-	-	peak
6	952.0001	31.44	2.25	33.69	46.00	-12.31	-	-	peak

802.11ac-VHT80			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



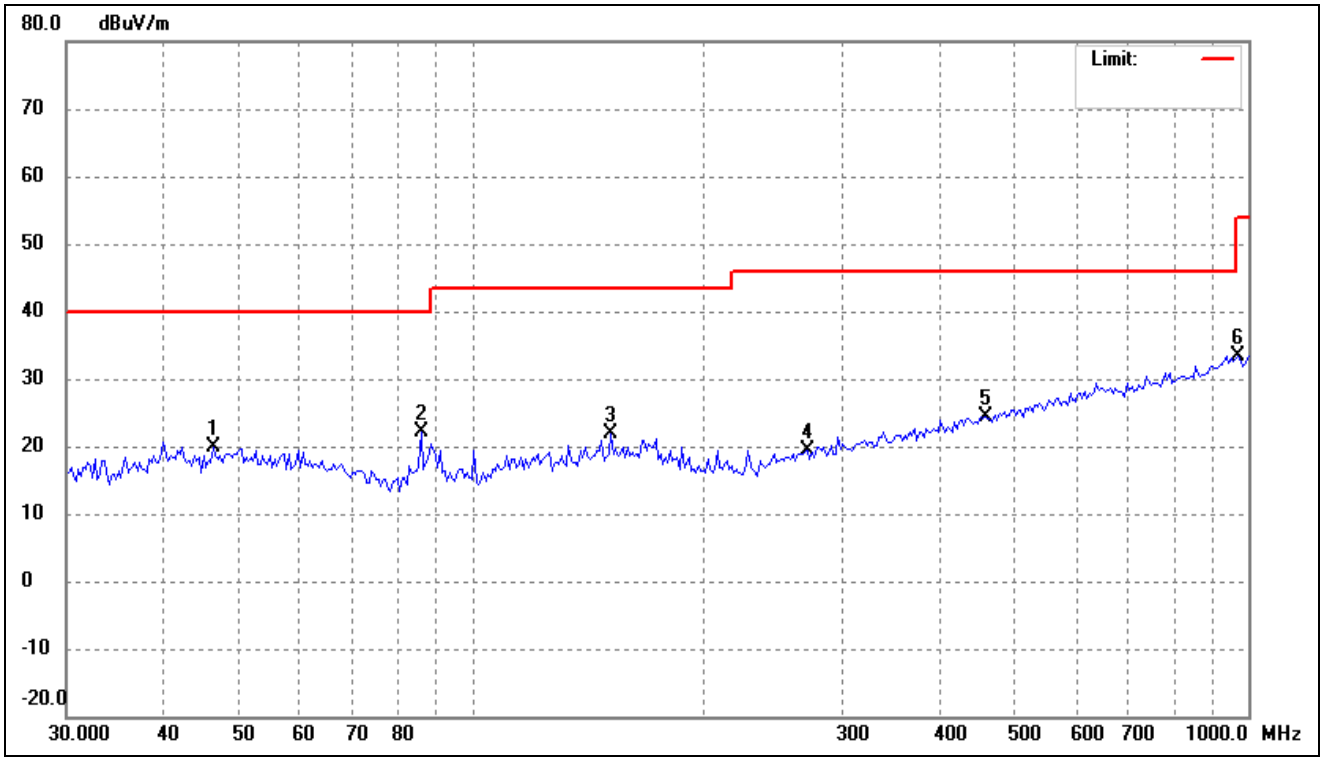
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	27.71	-8.14	19.57	40.00	-20.43	-	-	peak
2	89.7866	32.65	-13.10	19.55	43.50	-23.95	-	-	peak
3	151.0252	30.99	-8.61	22.38	43.50	-21.12	-	-	peak
4	227.0164	30.68	-11.76	18.92	46.00	-27.08	-	-	peak
5	520.2079	30.54	-3.59	26.95	46.00	-19.05	-	-	peak
6	938.7139	32.60	2.01	34.61	46.00	-11.39	-	-	peak

802.11ax-HE20			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



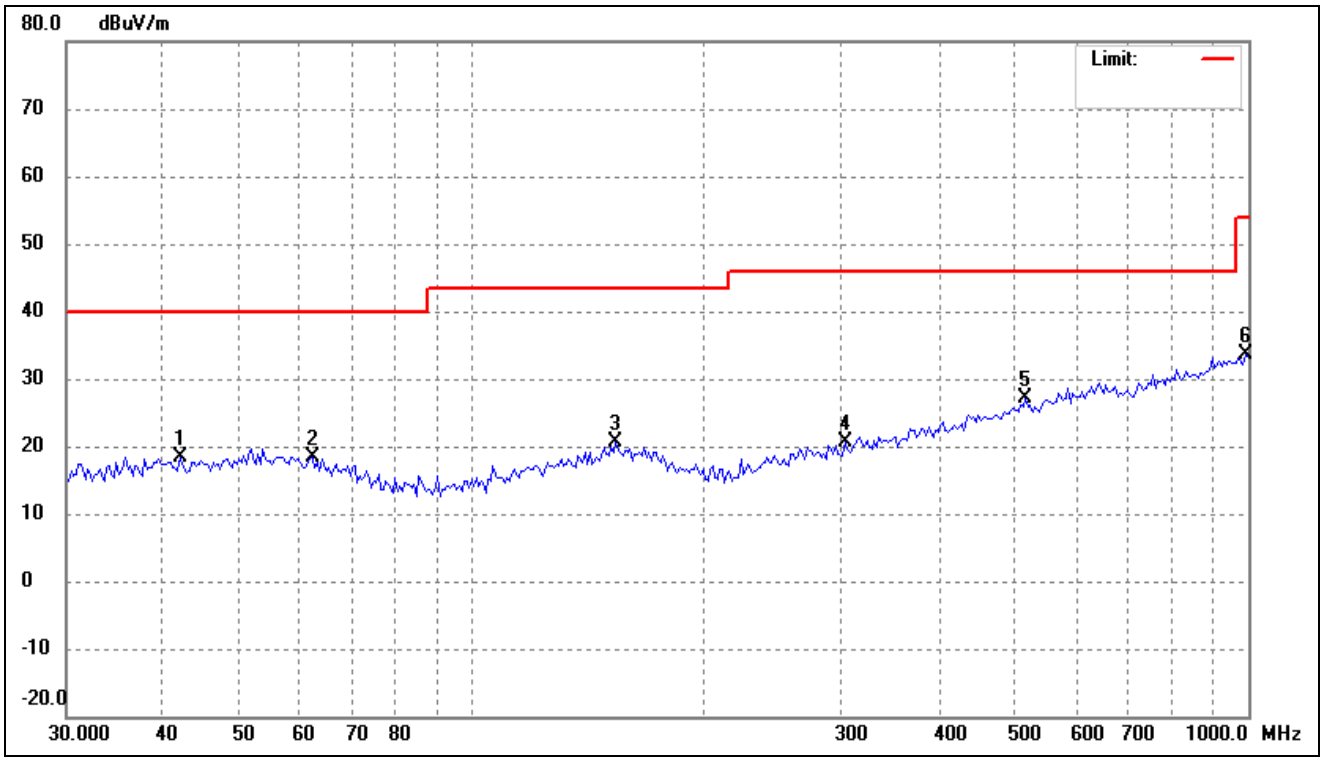
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.6299	27.59	-8.48	19.11	40.00	-20.89	-	-	peak
2	65.9067	27.75	-10.02	17.73	40.00	-22.27	-	-	peak
3	159.7586	28.55	-8.61	19.94	43.50	-23.56	-	-	peak
4	298.5932	29.58	-8.31	21.27	46.00	-24.73	-	-	peak
5	607.1806	31.03	-1.64	29.39	46.00	-16.61	-	-	peak
6	952.0001	31.59	2.25	33.84	46.00	-12.16	-	-	peak

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



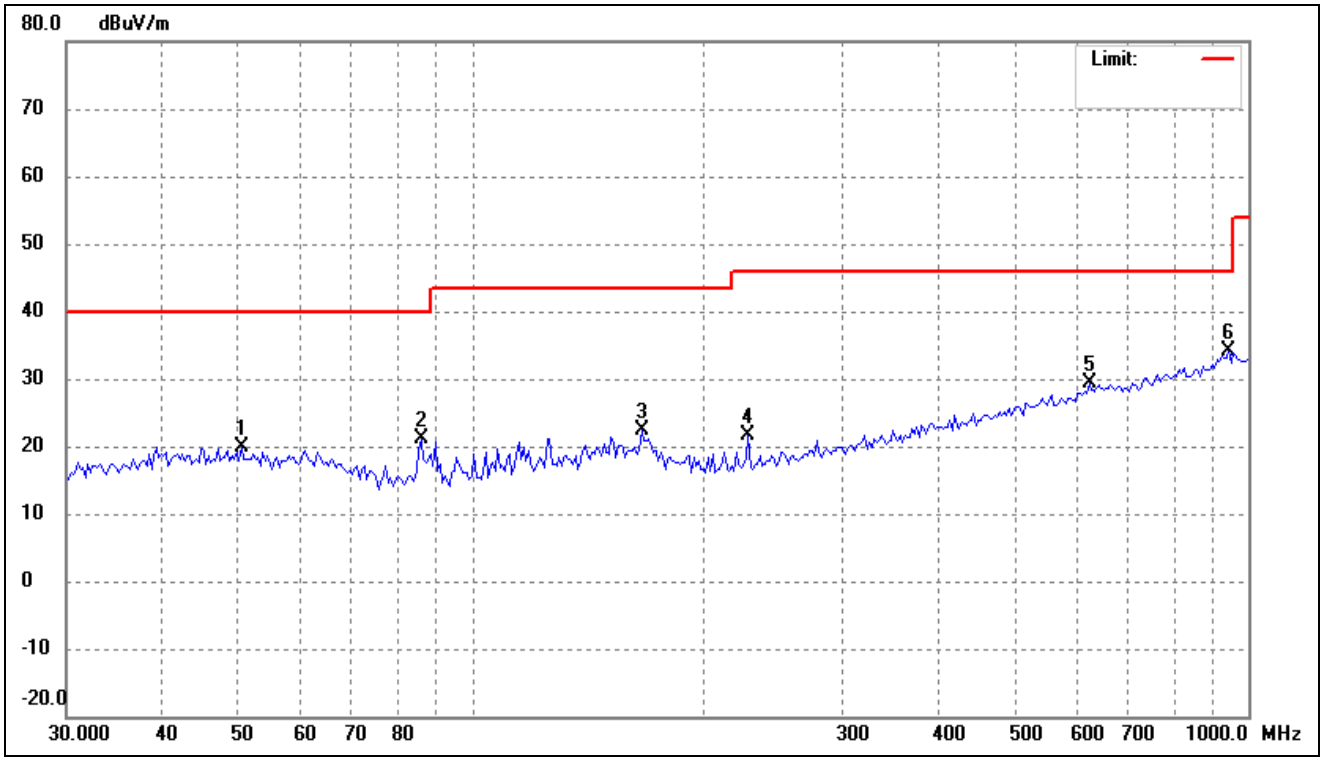
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.3806	28.22	-8.37	19.85	40.00	-20.15	-	-	peak
2	86.0796	35.13	-13.04	22.09	40.00	-17.91	-	-	peak
3	151.0252	30.61	-8.61	22.00	43.50	-21.50	-	-	peak
4	270.6162	28.80	-9.30	19.50	46.00	-26.50	-	-	peak
5	458.3987	28.96	-4.47	24.49	46.00	-21.51	-	-	peak
6	972.2827	31.13	2.27	33.40	54.00	-20.60	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



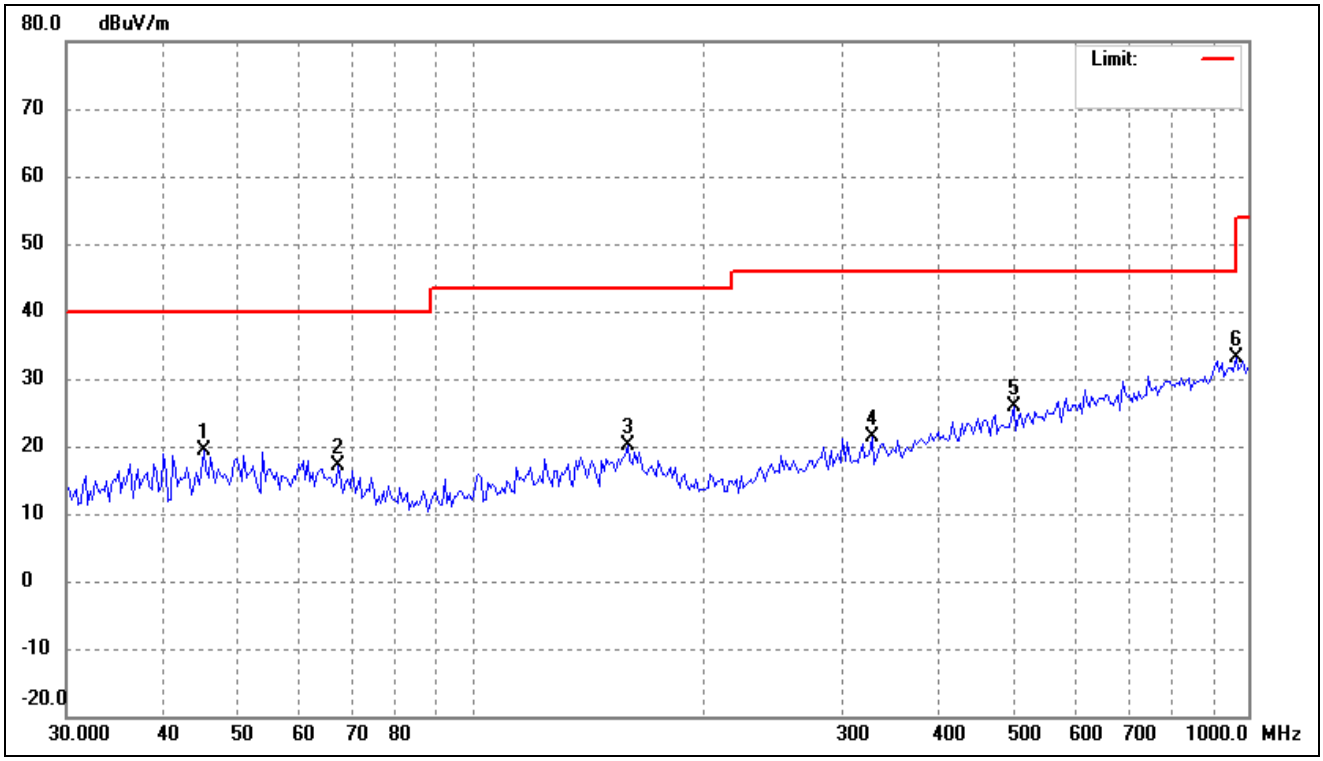
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.0350	26.77	-8.47	18.30	40.00	-21.70	-	-	peak
2	62.3038	27.74	-9.35	18.39	40.00	-21.61	-	-	peak
3	153.1627	29.13	-8.61	20.52	43.50	-22.98	-	-	peak
4	302.8193	28.90	-8.18	20.72	46.00	-25.28	-	-	peak
5	516.5651	30.66	-3.65	27.01	46.00	-18.99	-	-	peak
6	992.9975	31.26	2.30	33.56	54.00	-20.44	-	-	peak

802.11ax-HE40			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



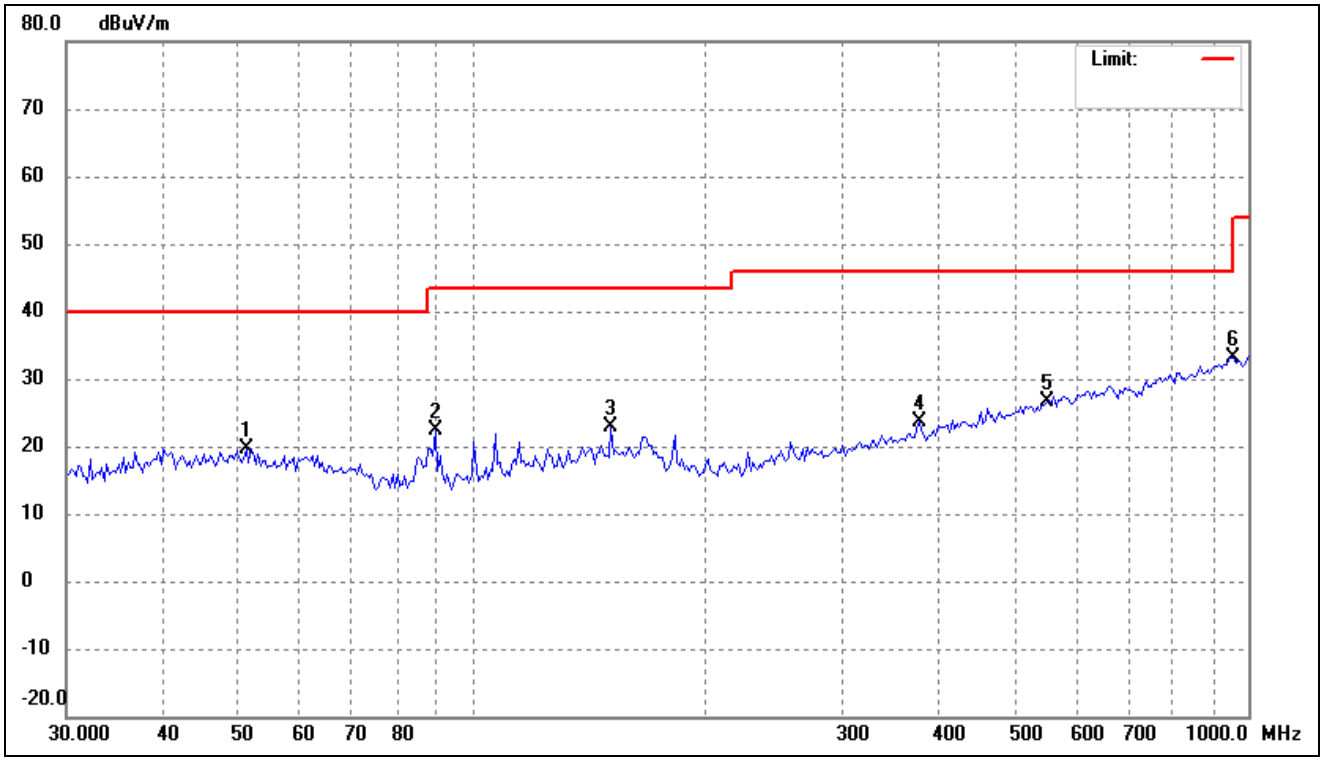
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	27.99	-8.14	19.85	40.00	-20.15	-	-	peak
2	86.0796	34.05	-13.04	21.01	40.00	-18.99	-	-	peak
3	165.4716	31.02	-8.76	22.26	43.50	-21.24	-	-	peak
4	227.0164	33.35	-11.76	21.59	46.00	-24.41	-	-	peak
5	624.4897	30.82	-1.41	29.41	46.00	-16.59	-	-	peak
6	945.3336	32.01	2.15	34.16	46.00	-11.84	-	-	peak

802.11ax-HE80			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.0951	27.86	-8.46	19.40	40.00	-20.60	-	-	peak
2	67.3109	27.35	-10.27	17.08	40.00	-22.92	-	-	peak
3	158.6399	28.75	-8.61	20.14	43.50	-23.36	-	-	peak
4	327.1554	28.87	-7.51	21.36	46.00	-24.64	-	-	peak
5	498.7303	29.81	-3.92	25.89	46.00	-20.11	-	-	peak
6	965.4742	30.80	2.27	33.07	54.00	-20.93	-	-	peak

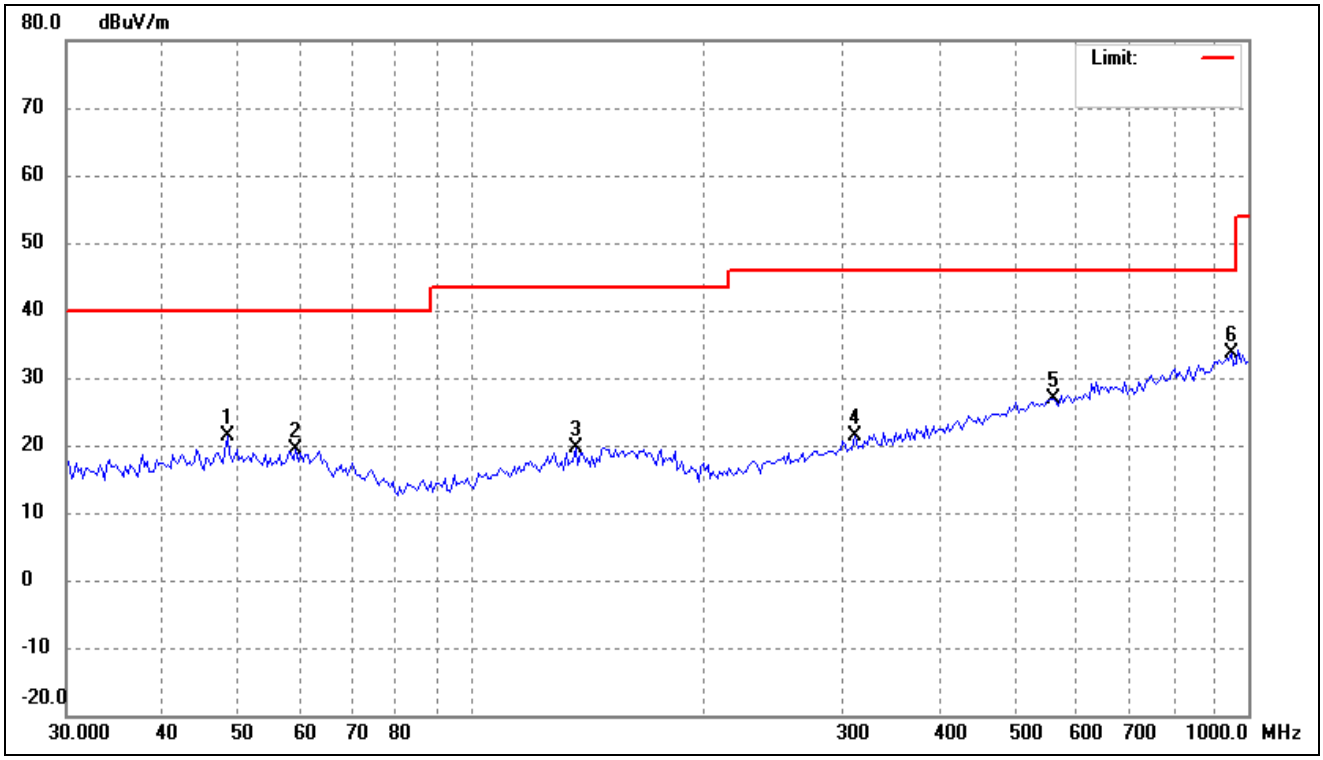
802.11ax-HE80			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.1756	27.82	-8.22	19.60	40.00	-20.40	-	-	peak
2	89.7866	35.42	-13.10	22.32	43.50	-21.18	-	-	peak
3	151.0252	31.54	-8.61	22.93	43.50	-20.57	-	-	peak
4	376.5228	29.98	-6.44	23.54	46.00	-22.46	-	-	peak
5	550.2902	29.52	-2.84	26.68	46.00	-19.32	-	-	peak
6	958.7135	30.93	2.26	33.19	46.00	-12.81	-	-	peak

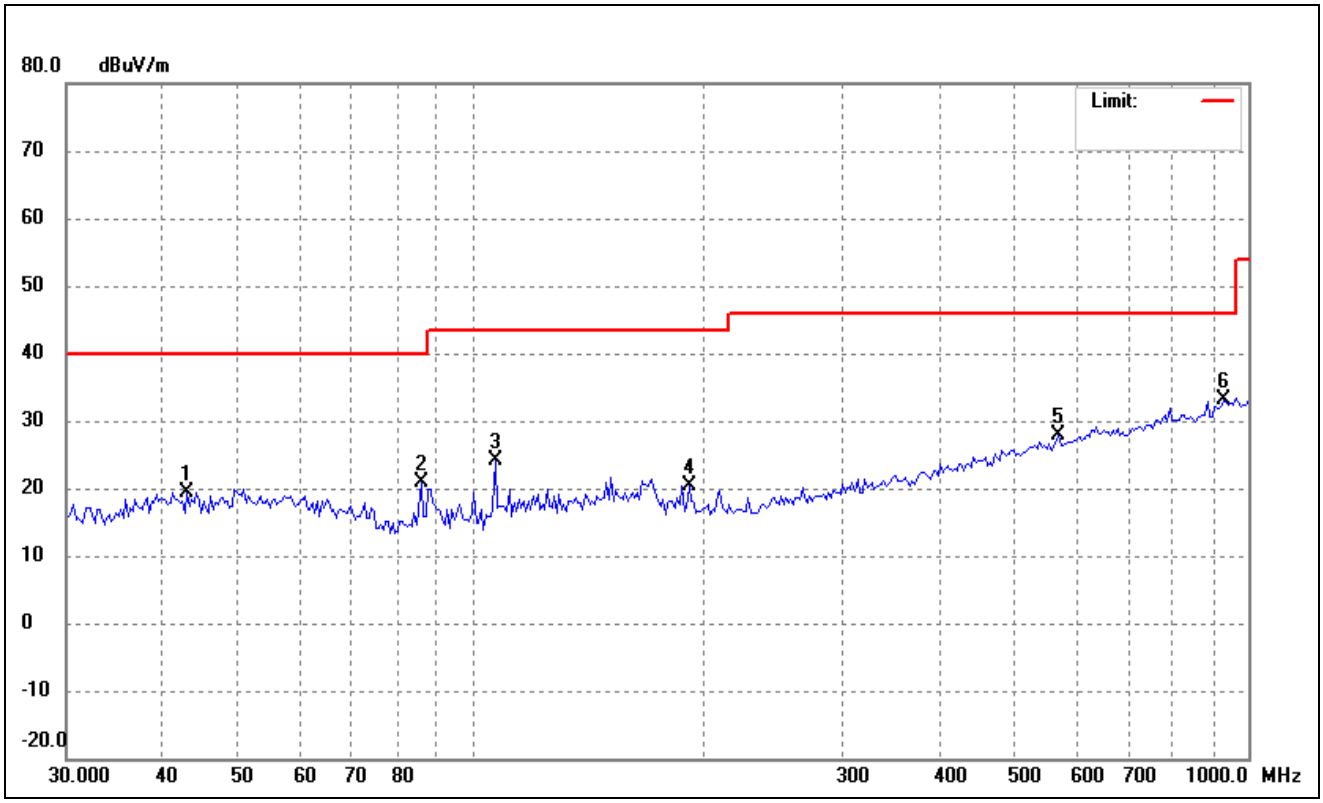
- Antenna 1
- 5150-5250MHz

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



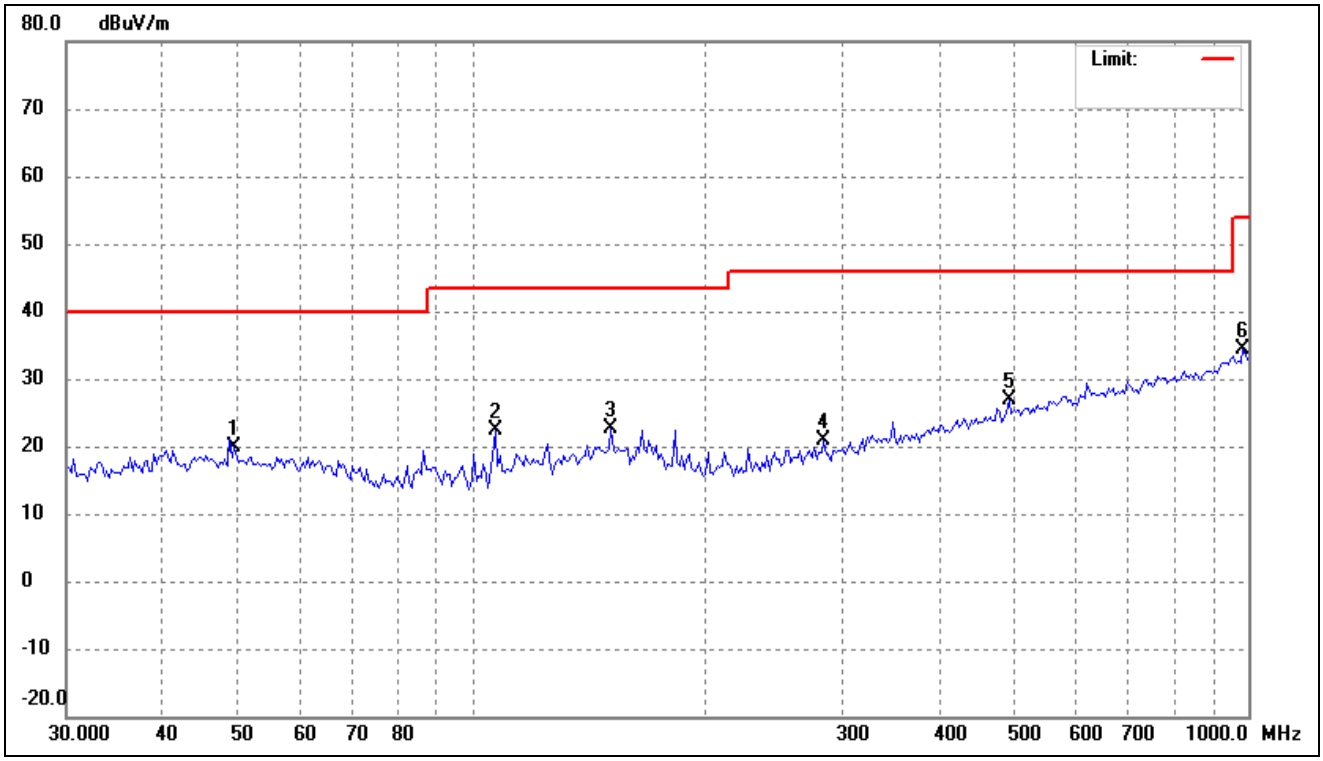
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.3780	29.54	-8.21	21.33	40.00	-18.67	-	-	peak
2	59.3133	28.17	-8.90	19.27	40.00	-20.73	-	-	peak
3	135.9163	29.13	-9.61	19.52	43.50	-23.98	-	-	peak
4	311.4519	29.31	-7.93	21.38	46.00	-24.62	-	-	peak
5	562.0143	29.51	-2.55	26.96	46.00	-19.04	-	-	peak
6	952.0001	31.48	2.25	33.73	46.00	-12.27	-	-	peak

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



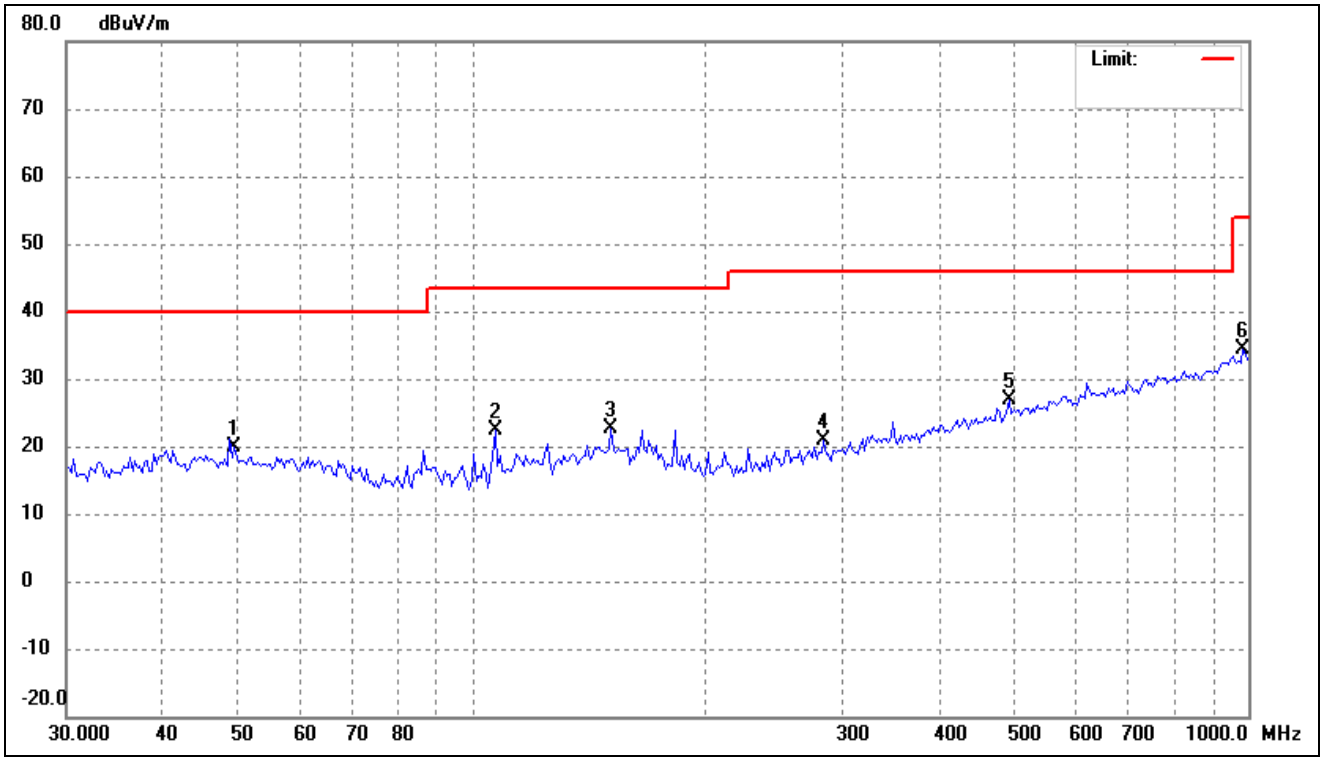
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.9305	27.95	-8.48	19.47	40.00	-20.53	-	-	peak
2	86.0796	34.02	-13.04	20.98	40.00	-19.02	-	-	peak
3	107.0306	36.08	-11.85	24.23	43.50	-19.27	-	-	peak
4	190.4411	31.85	-11.45	20.40	43.50	-23.10	-	-	peak
5	569.9688	30.17	-2.36	27.81	46.00	-18.19	-	-	peak
6	932.1405	31.34	1.87	33.21	46.00	-12.79	-	-	peak

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



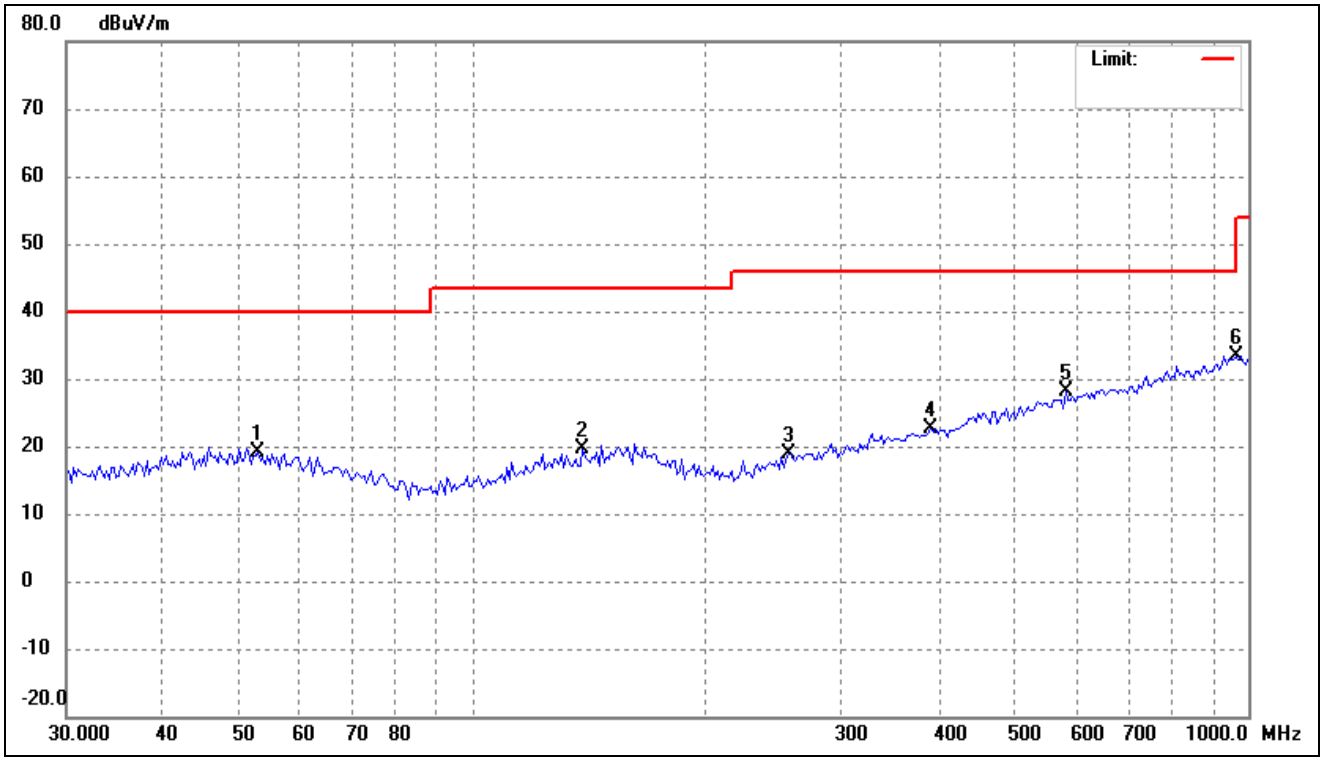
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.4087	27.93	-8.13	19.80	40.00	-20.20	-	-	peak
2	107.0306	34.23	-11.85	22.38	43.50	-21.12	-	-	peak
3	151.0252	31.32	-8.61	22.71	43.50	-20.79	-	-	peak
4	284.2607	29.70	-8.79	20.91	46.00	-25.09	-	-	peak
5	491.7700	30.95	-4.01	26.94	46.00	-19.06	-	-	peak
6	986.0440	32.07	2.28	34.35	54.00	-19.65	-	-	peak

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



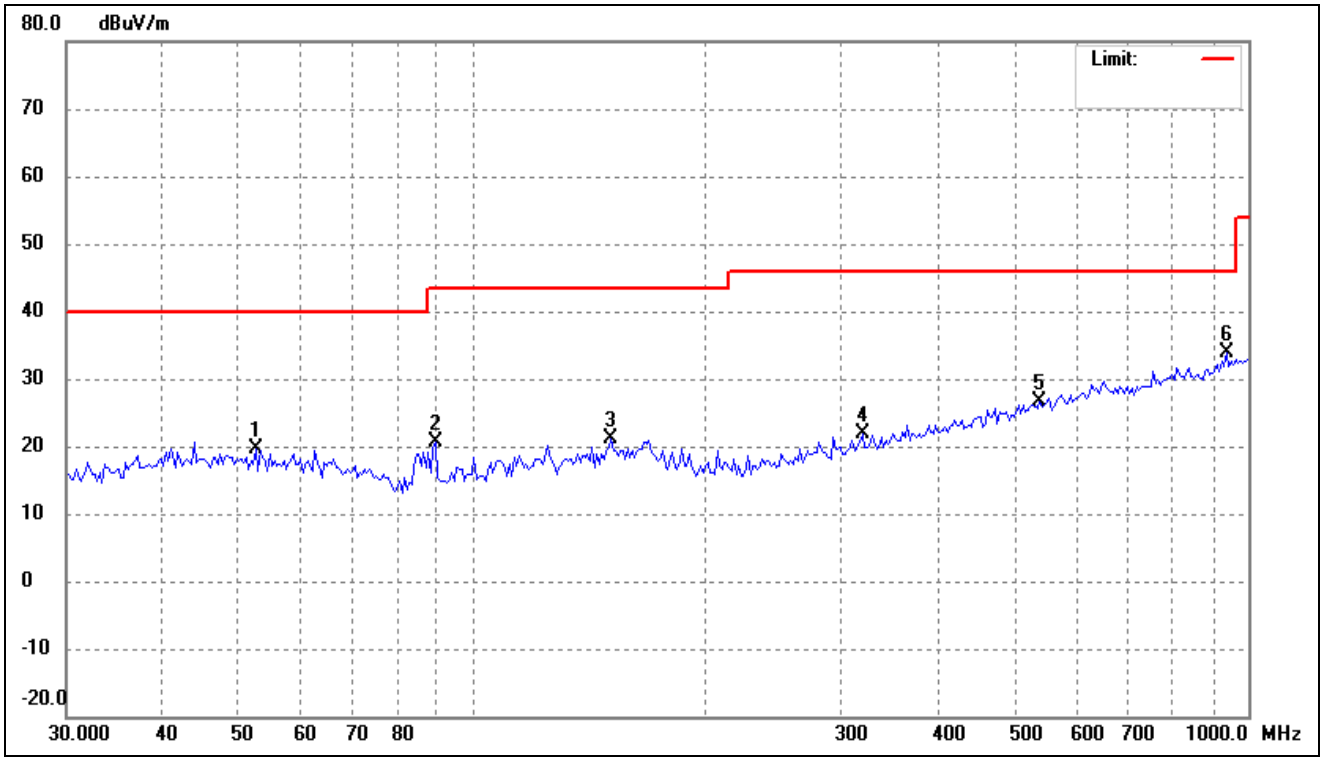
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.4087	27.93	-8.13	19.80	40.00	-20.20	-	-	peak
2	107.0306	34.23	-11.85	22.38	43.50	-21.12	-	-	peak
3	151.0252	31.32	-8.61	22.71	43.50	-20.79	-	-	peak
4	284.2607	29.70	-8.79	20.91	46.00	-25.09	-	-	peak
5	491.7700	30.95	-4.01	26.94	46.00	-19.06	-	-	peak
6	986.0440	32.07	2.28	34.35	54.00	-19.65	-	-	peak

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



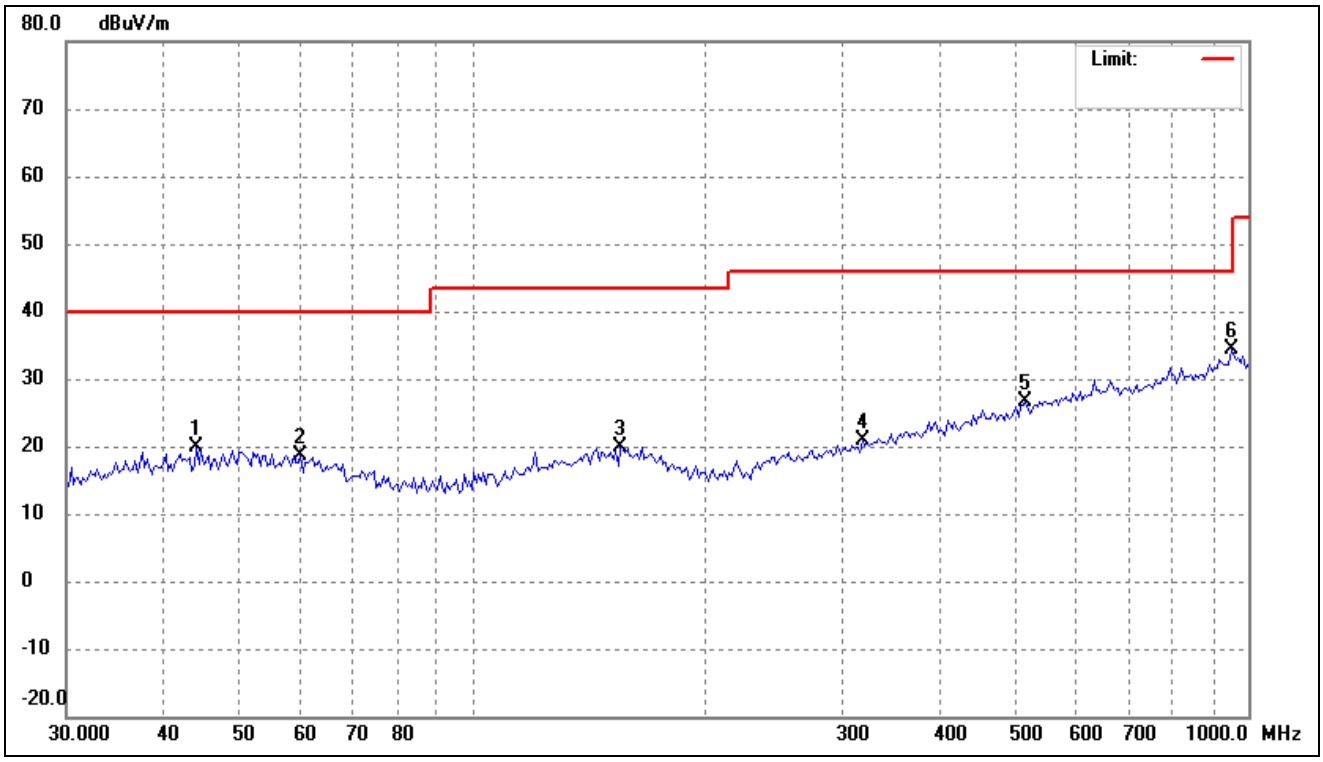
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.0056	27.43	-8.41	19.02	40.00	-20.98	-	-	peak
2	138.8120	28.99	-9.48	19.51	43.50	-23.99	-	-	peak
3	255.8226	28.86	-9.96	18.90	46.00	-27.10	-	-	peak
4	389.9874	28.90	-6.16	22.74	46.00	-23.26	-	-	peak
5	582.1122	30.18	-2.11	28.07	46.00	-17.93	-	-	peak
6	965.4742	31.23	2.27	33.50	54.00	-20.50	-	-	peak

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



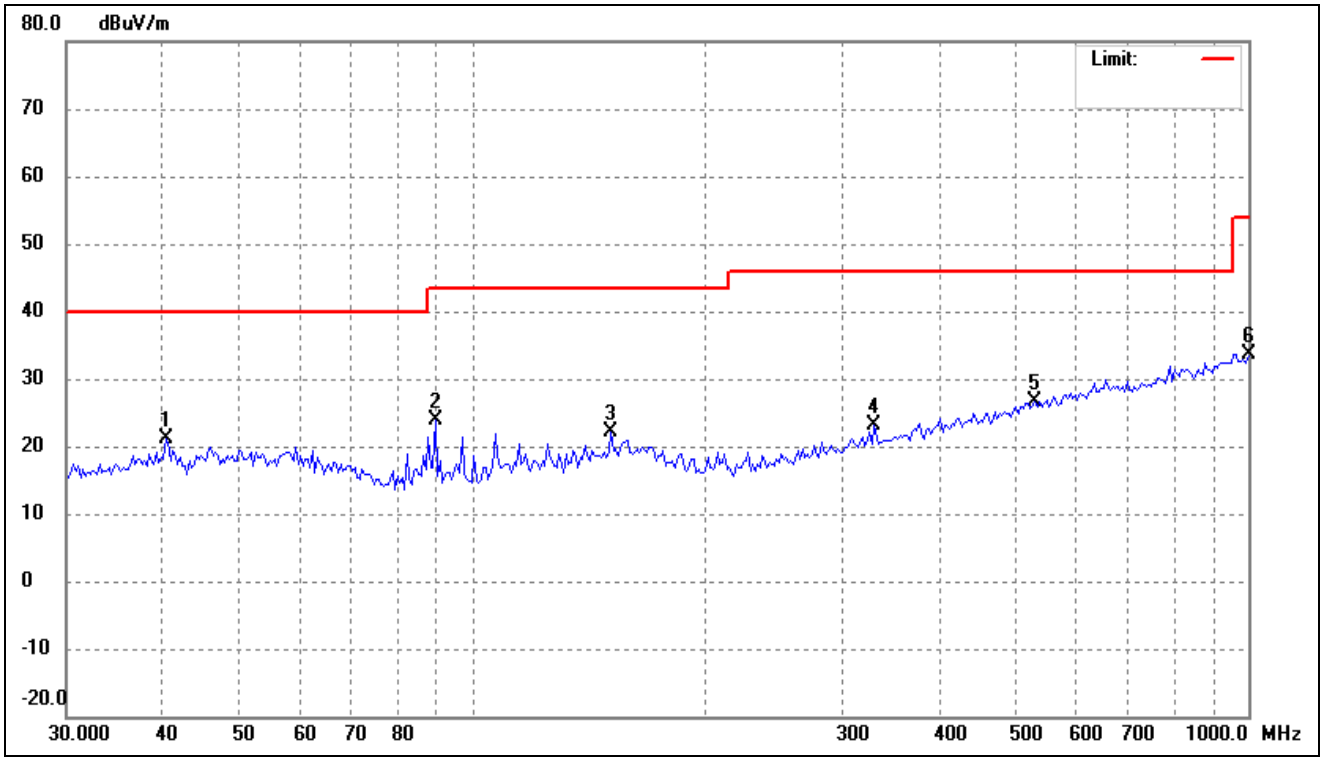
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.6345	27.89	-8.37	19.52	40.00	-20.48	-	-	peak
2	89.7866	33.64	-13.10	20.54	43.50	-22.96	-	-	peak
3	151.0252	29.84	-8.61	21.23	43.50	-22.27	-	-	peak
4	318.0875	29.53	-7.75	21.78	46.00	-24.22	-	-	peak
5	538.8107	29.79	-3.15	26.64	46.00	-19.36	-	-	peak
6	938.7139	31.76	2.01	33.77	46.00	-12.23	-	-	peak

802.11ac-VHT20			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



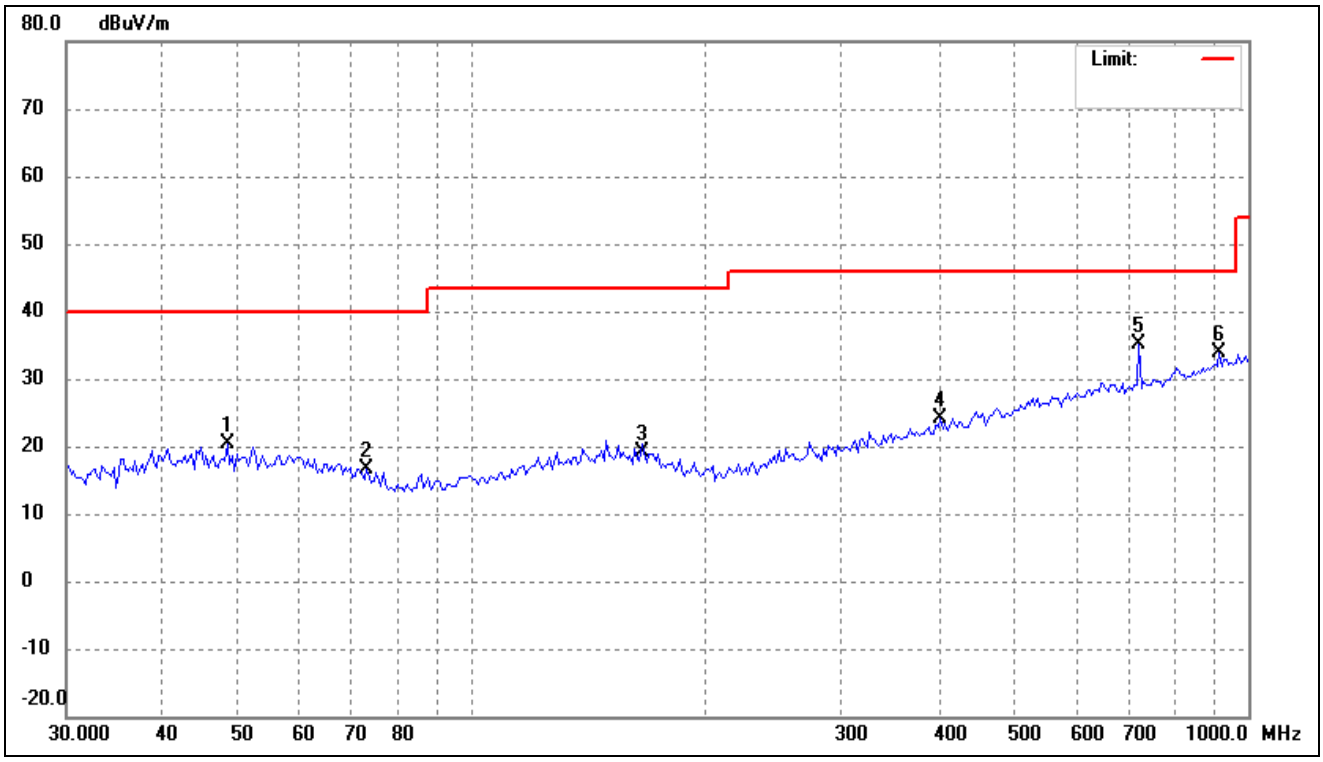
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	44.1544	28.42	-8.47	19.95	40.00	-20.05	-	-	peak
2	60.1528	27.60	-8.97	18.63	40.00	-21.37	-	-	peak
3	155.3305	28.48	-8.61	19.87	43.50	-23.63	-	-	peak
4	318.0875	28.61	-7.75	20.86	46.00	-25.14	-	-	peak
5	516.5651	30.37	-3.65	26.72	46.00	-19.28	-	-	peak
6	952.0001	32.03	2.25	34.28	46.00	-11.72	-	-	peak

802.11ac-VHT20			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



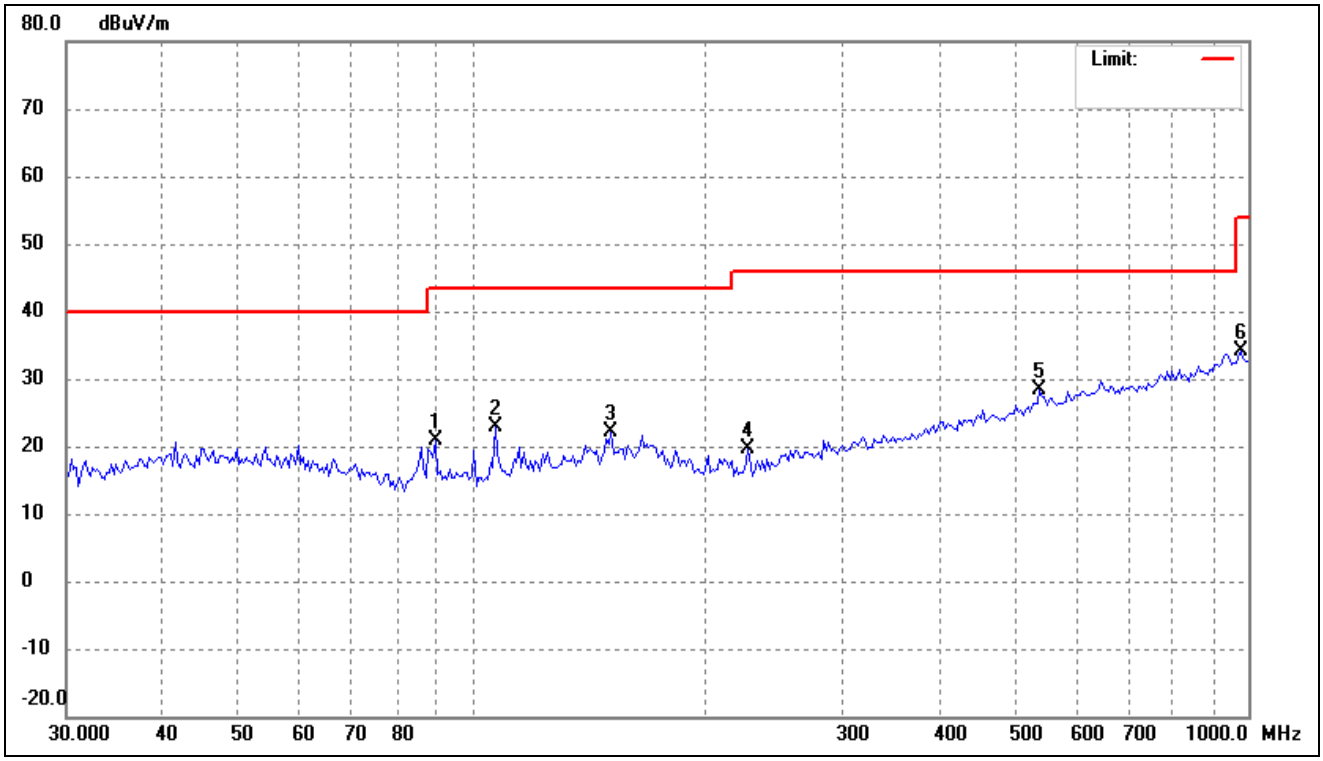
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	29.60	-8.48	21.12	40.00	-18.88	-	-	peak
2	89.7866	36.86	-13.10	23.76	43.50	-19.74	-	-	peak
3	151.0252	30.78	-8.61	22.17	43.50	-21.33	-	-	peak
4	329.4625	30.58	-7.47	23.11	46.00	-22.89	-	-	peak
5	531.2910	29.93	-3.35	26.58	46.00	-19.42	-	-	peak
6	1000.0000	31.42	2.30	33.72	54.00	-20.28	-	-	peak

802.11ac-VHT40			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



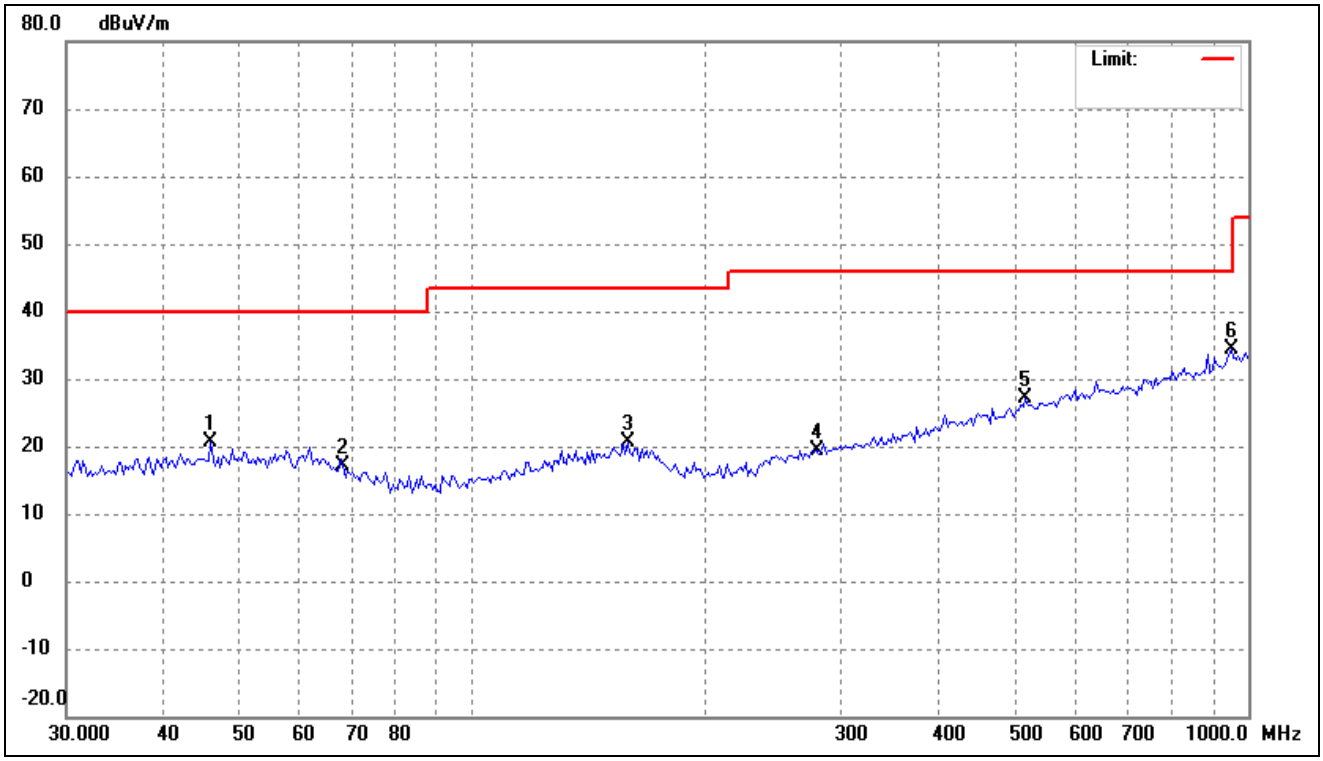
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.3780	28.54	-8.21	20.33	40.00	-19.67	-	-	peak
2	73.2331	28.12	-11.47	16.65	40.00	-23.35	-	-	peak
3	166.6385	27.92	-8.79	19.13	43.50	-24.37	-	-	peak
4	401.1050	30.10	-5.93	24.17	46.00	-21.83	-	-	peak
5	723.7930	35.78	-0.65	35.13	46.00	-10.87	-	-	peak
6	919.1315	32.38	1.59	33.97	46.00	-12.03	-	-	peak

802.11ac-VHT40			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



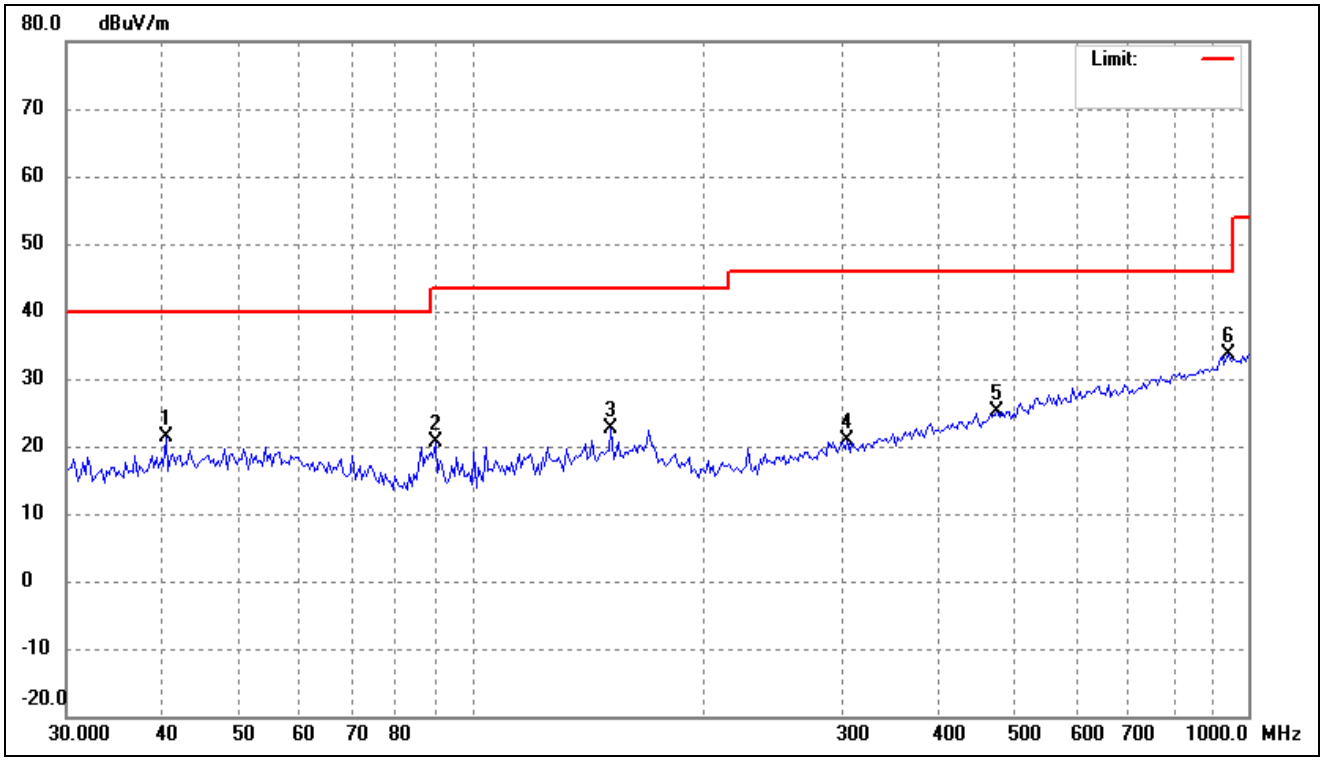
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	89.7866	33.90	-13.10	20.80	43.50	-22.70	-	-	peak
2	107.0306	34.65	-11.85	22.80	43.50	-20.70	-	-	peak
3	151.0252	30.65	-8.61	22.04	43.50	-21.46	-	-	peak
4	227.0164	31.34	-11.76	19.58	46.00	-26.42	-	-	peak
5	538.8107	31.60	-3.15	28.45	46.00	-17.55	-	-	peak
6	979.1392	31.97	2.28	34.25	54.00	-19.75	-	-	peak

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



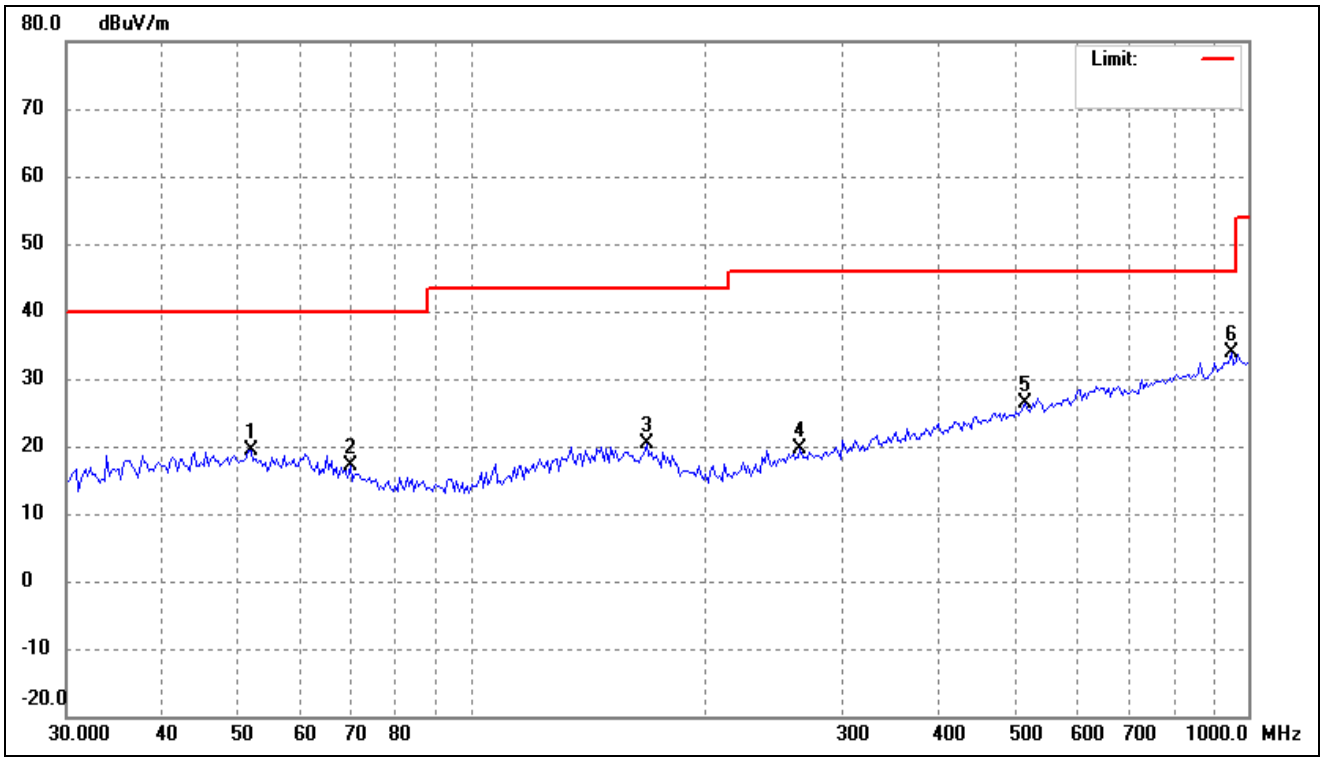
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.0558	29.13	-8.38	20.75	40.00	-19.25	-	-	peak
2	68.2636	27.59	-10.45	17.14	40.00	-22.86	-	-	peak
3	158.6399	29.14	-8.61	20.53	43.50	-22.97	-	-	peak
4	278.3308	28.44	-9.00	19.44	46.00	-26.56	-	-	peak
5	516.5651	30.67	-3.65	27.02	46.00	-18.98	-	-	peak
6	952.0001	32.01	2.25	34.26	46.00	-11.74	-	-	peak

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



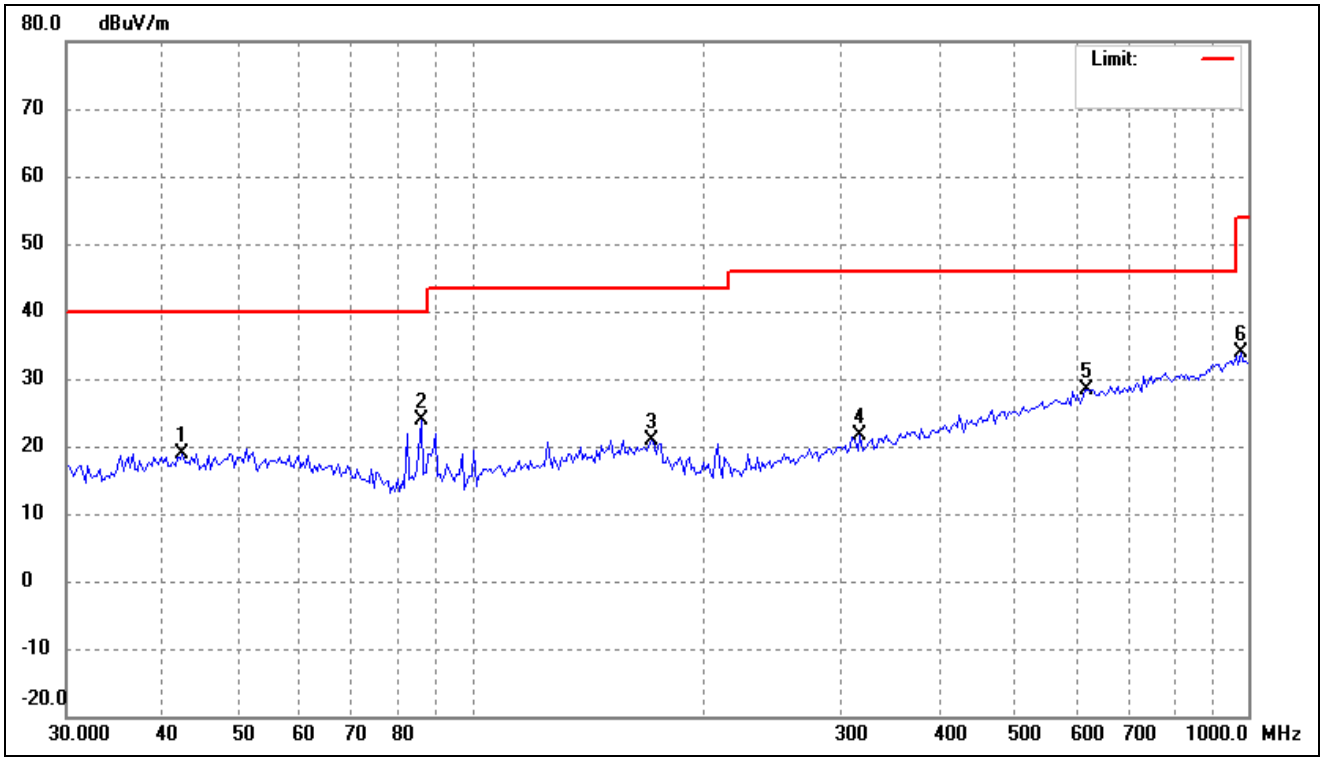
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	29.75	-8.48	21.27	40.00	-18.73	-	-	peak
2	89.7866	33.73	-13.10	20.63	43.50	-22.87	-	-	peak
3	151.0252	31.12	-8.61	22.51	43.50	-20.99	-	-	peak
4	304.9548	28.99	-8.12	20.87	46.00	-25.13	-	-	peak
5	474.7913	29.29	-4.24	25.05	46.00	-20.95	-	-	peak
6	945.3336	31.39	2.15	33.54	46.00	-12.46	-	-	peak

802.11ax-HE20			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



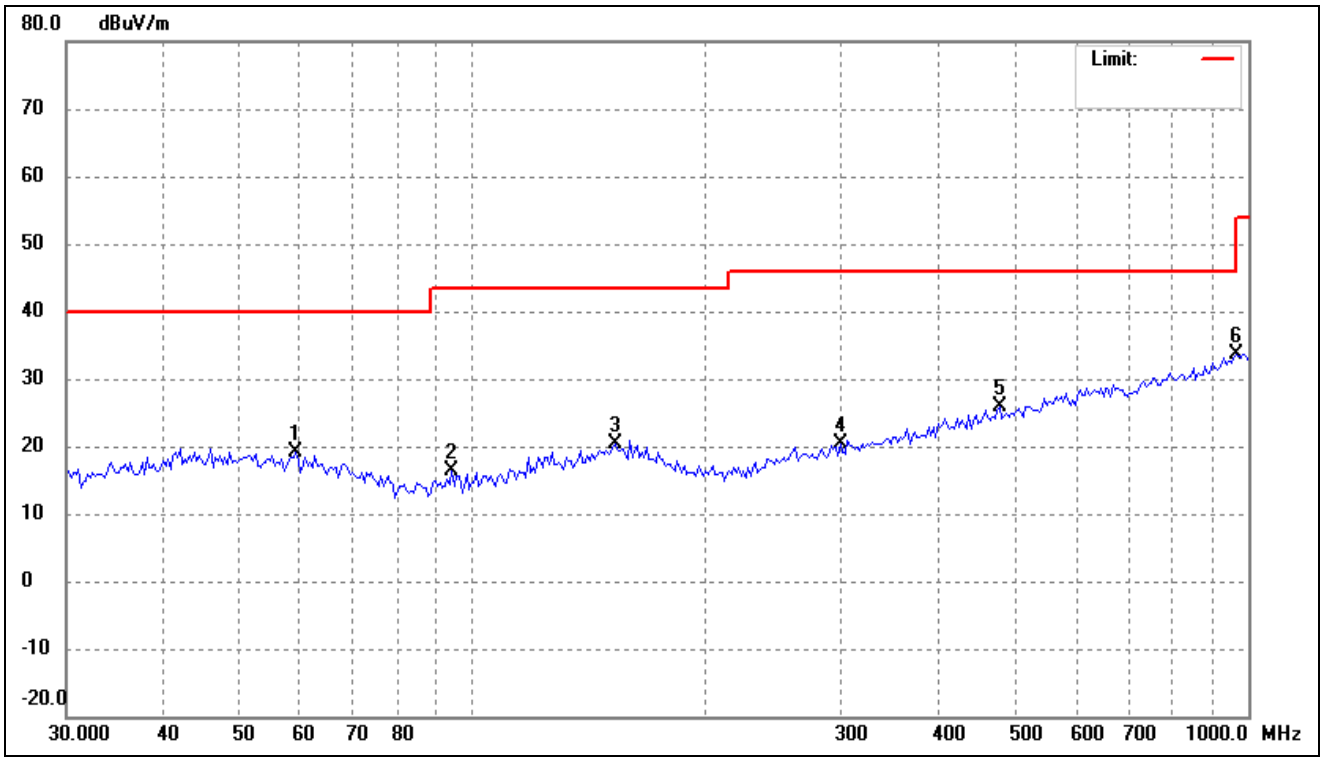
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.5365	27.50	-8.24	19.26	40.00	-20.74	-	-	peak
2	69.7179	27.72	-10.71	17.01	40.00	-22.99	-	-	peak
3	167.8136	29.30	-8.82	20.48	43.50	-23.02	-	-	peak
4	264.9709	29.12	-9.55	19.57	46.00	-26.43	-	-	peak
5	516.5651	29.96	-3.65	26.31	46.00	-19.69	-	-	peak
6	952.0001	31.66	2.25	33.91	46.00	-12.09	-	-	peak

802.11ax-HE20			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



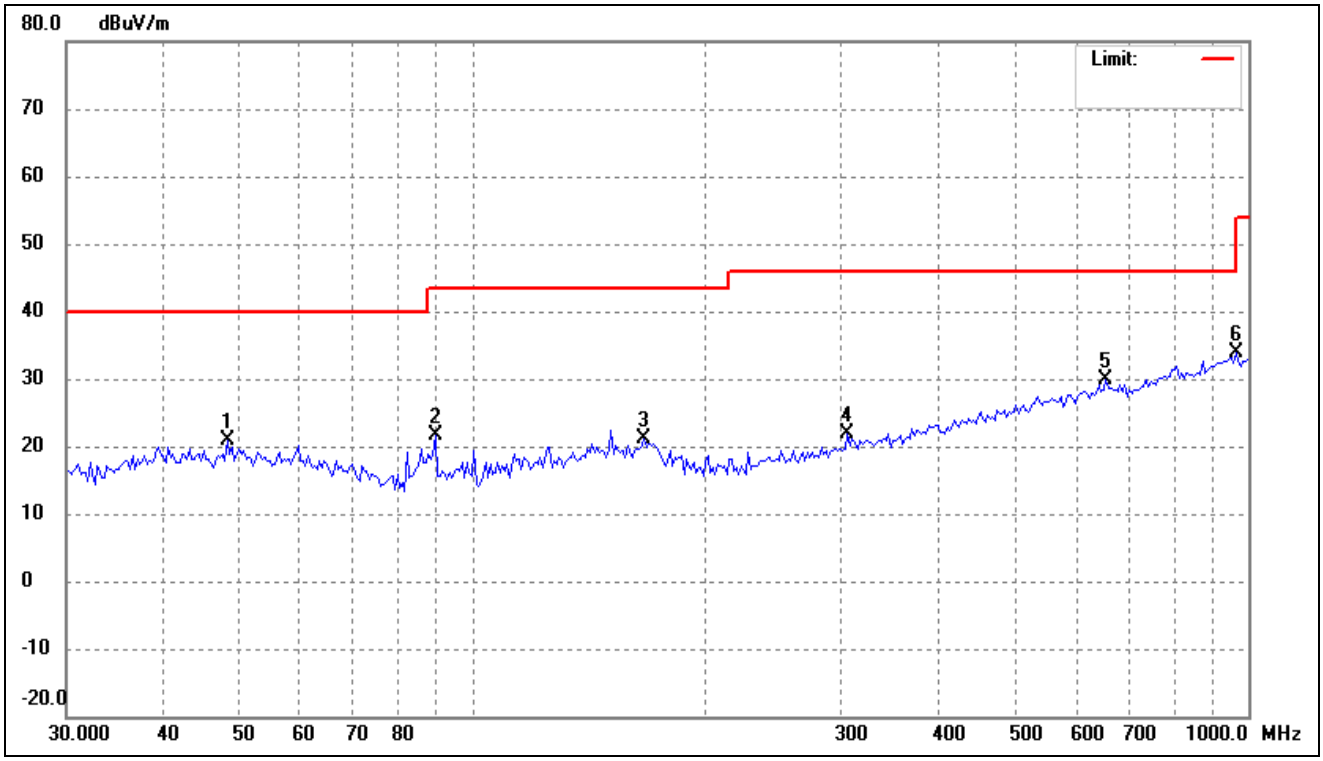
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.3314	27.26	-8.48	18.78	40.00	-21.22	-	-	peak
2	86.0796	36.82	-13.04	23.78	40.00	-16.22	-	-	peak
3	170.1888	29.86	-8.91	20.95	43.50	-22.55	-	-	peak
4	315.8601	29.52	-7.81	21.71	46.00	-24.29	-	-	peak
5	620.1167	29.88	-1.46	28.42	46.00	-17.58	-	-	peak
6	979.1392	31.53	2.28	33.81	54.00	-20.19	-	-	peak

802.11ax-HE40			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



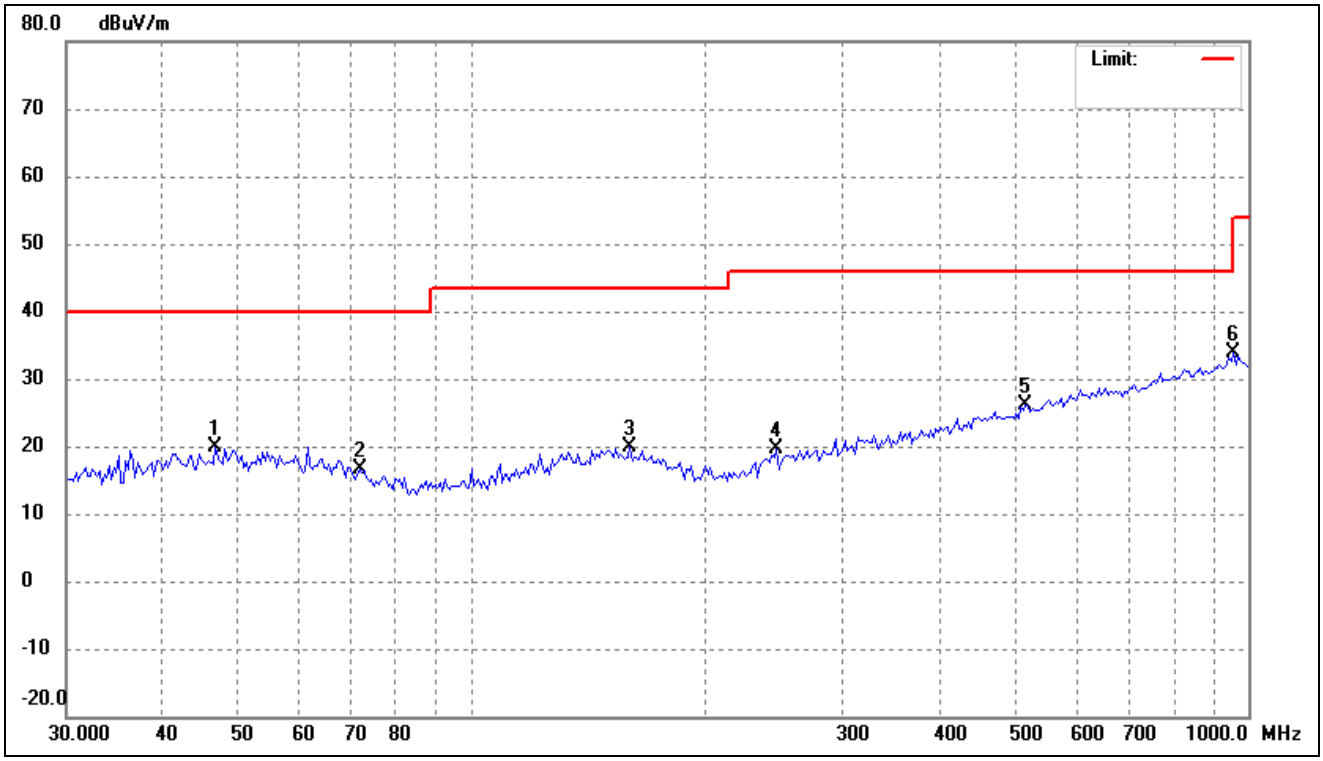
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	59.3133	28.04	-8.90	19.14	40.00	-20.86	-	-	peak
2	94.3137	29.29	-12.84	16.45	43.50	-27.05	-	-	peak
3	153.1627	29.02	-8.61	20.41	43.50	-23.09	-	-	peak
4	298.5932	28.60	-8.31	20.29	46.00	-25.71	-	-	peak
5	478.1394	30.20	-4.20	26.00	46.00	-20.00	-	-	peak
6	965.4742	31.28	2.27	33.55	54.00	-20.45	-	-	peak

802.11ax-HE40			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



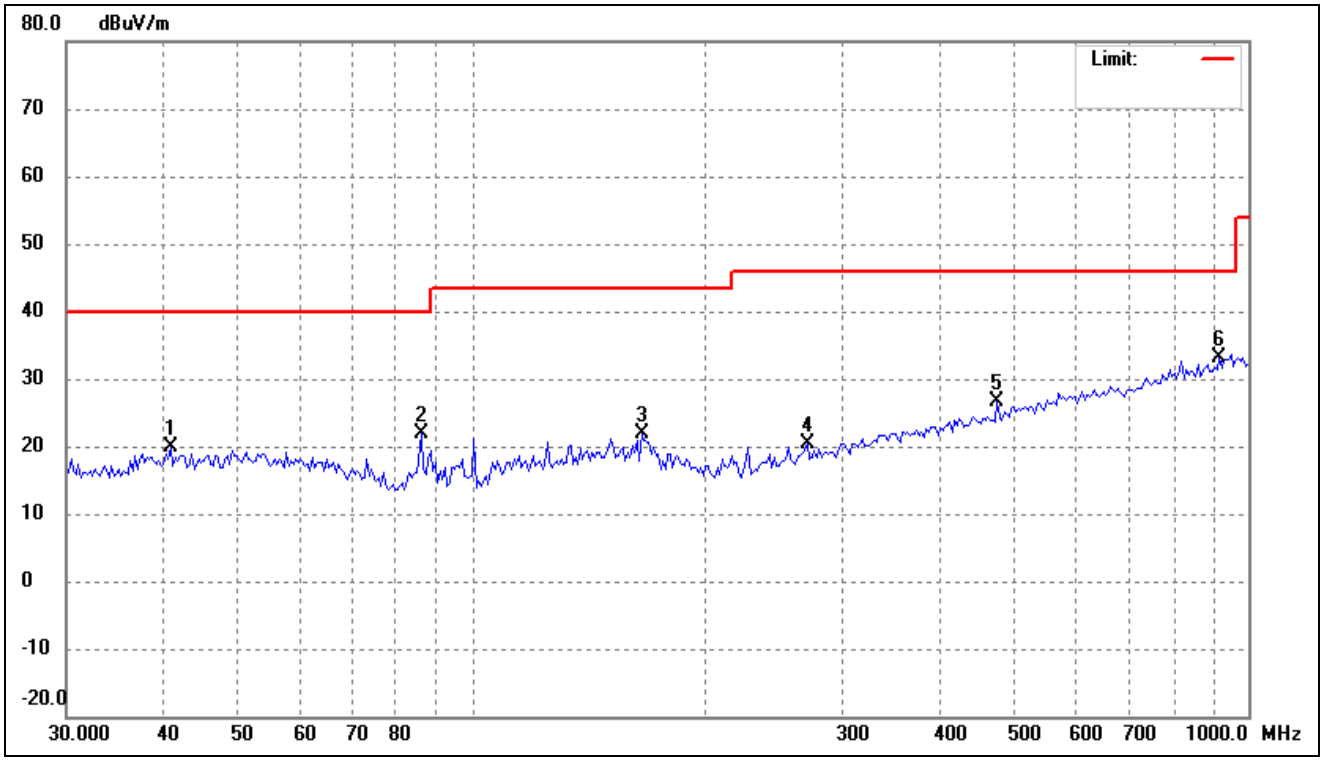
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.3780	29.11	-8.21	20.90	40.00	-19.10	-	-	peak
2	89.7866	34.68	-13.10	21.58	43.50	-21.92	-	-	peak
3	166.6385	29.89	-8.79	21.10	43.50	-22.40	-	-	peak
4	304.9548	30.00	-8.12	21.88	46.00	-24.12	-	-	peak
5	655.9766	31.11	-1.30	29.81	46.00	-16.19	-	-	peak
6	965.4742	31.56	2.27	33.83	54.00	-20.17	-	-	peak

802.11ax-HE80			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.7077	28.11	-8.34	19.77	40.00	-20.23	-	-	peak
2	71.7054	27.81	-11.14	16.67	40.00	-23.33	-	-	peak
3	159.7586	28.40	-8.61	19.79	43.50	-23.71	-	-	peak
4	246.9901	29.83	-10.30	19.53	46.00	-26.47	-	-	peak
5	516.5651	29.70	-3.65	26.05	46.00	-19.95	-	-	peak
6	958.7135	31.53	2.26	33.79	46.00	-12.21	-	-	peak

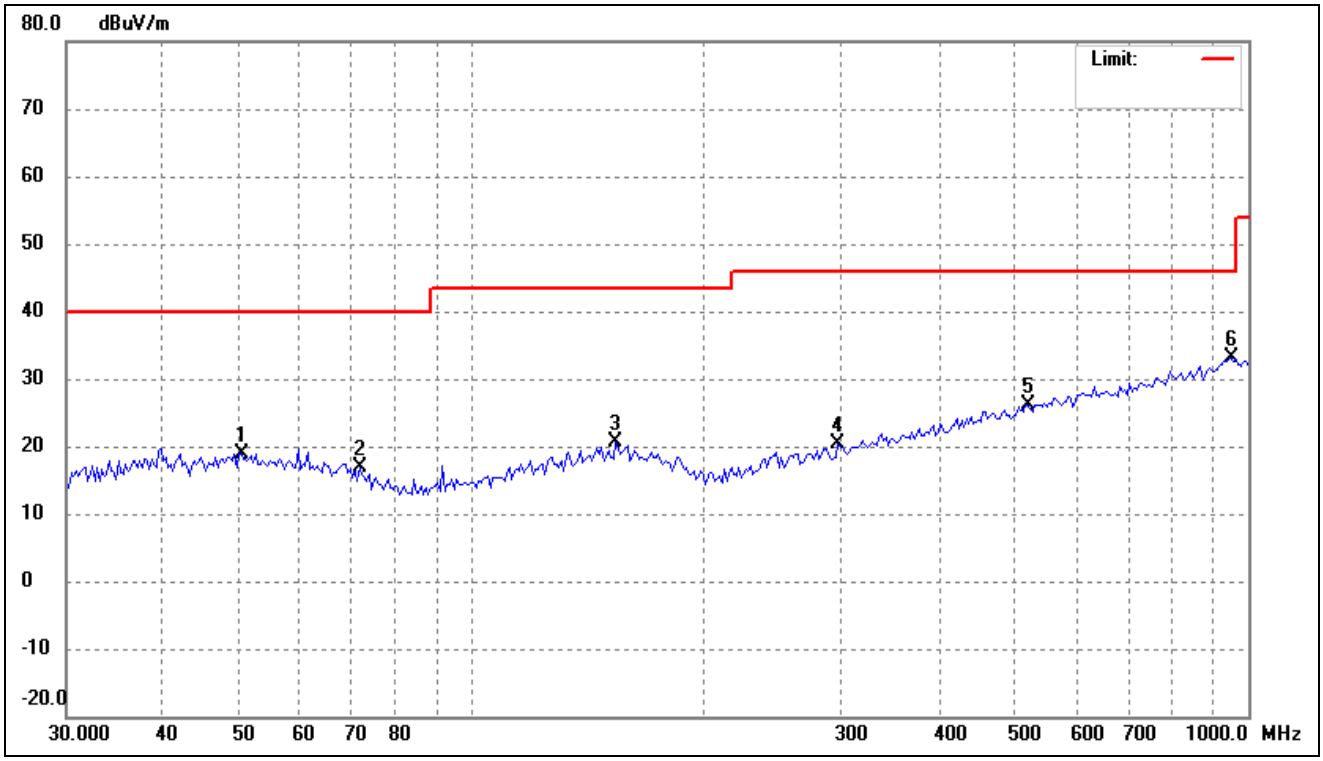
802.11ax-HE80			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8699	28.25	-8.47	19.78	40.00	-20.22	-	-	peak
2	86.0796	34.89	-13.04	21.85	40.00	-18.15	-	-	peak
3	165.4716	30.69	-8.76	21.93	43.50	-21.57	-	-	peak
4	270.6162	29.63	-9.30	20.33	46.00	-25.67	-	-	peak
5	474.7913	30.76	-4.24	26.52	46.00	-19.48	-	-	peak
6	919.1315	31.56	1.59	33.15	46.00	-12.85	-	-	peak

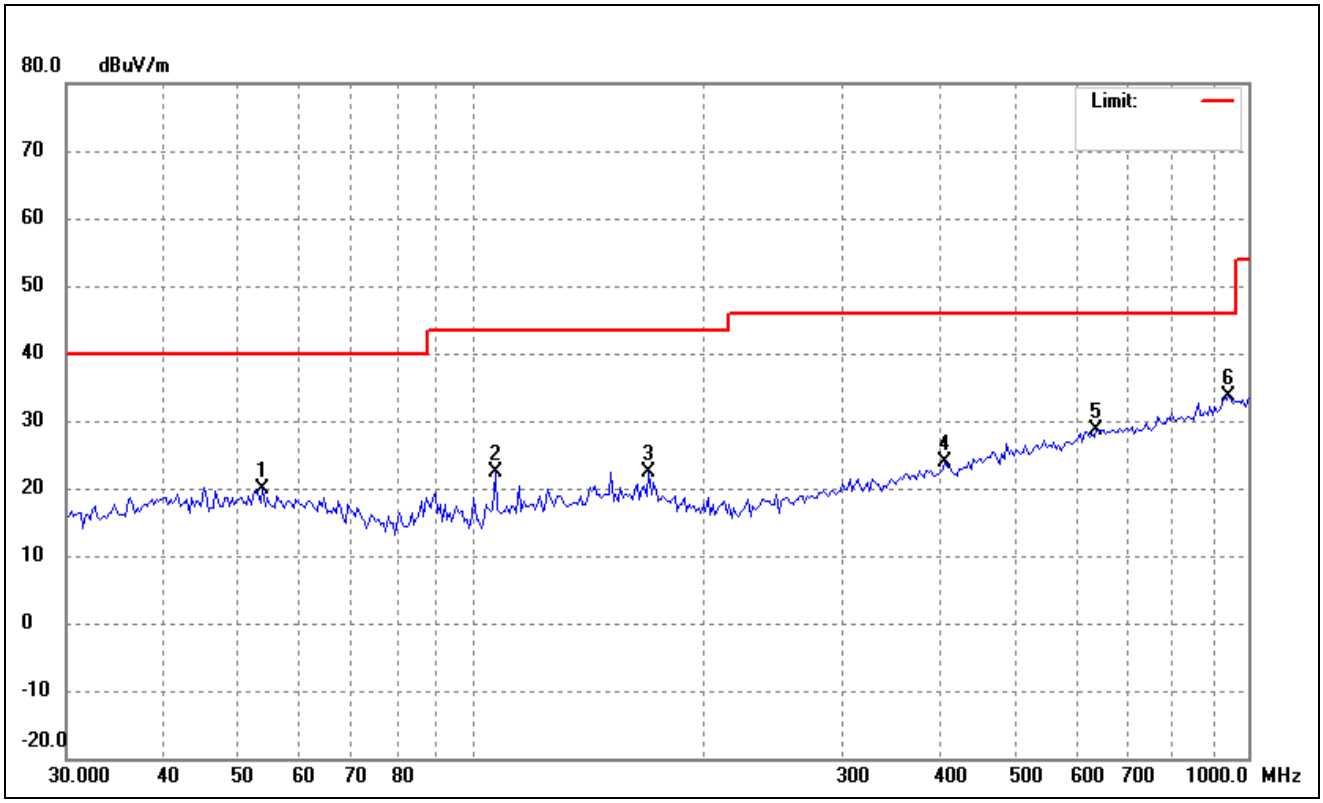
5250-5350MHz

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



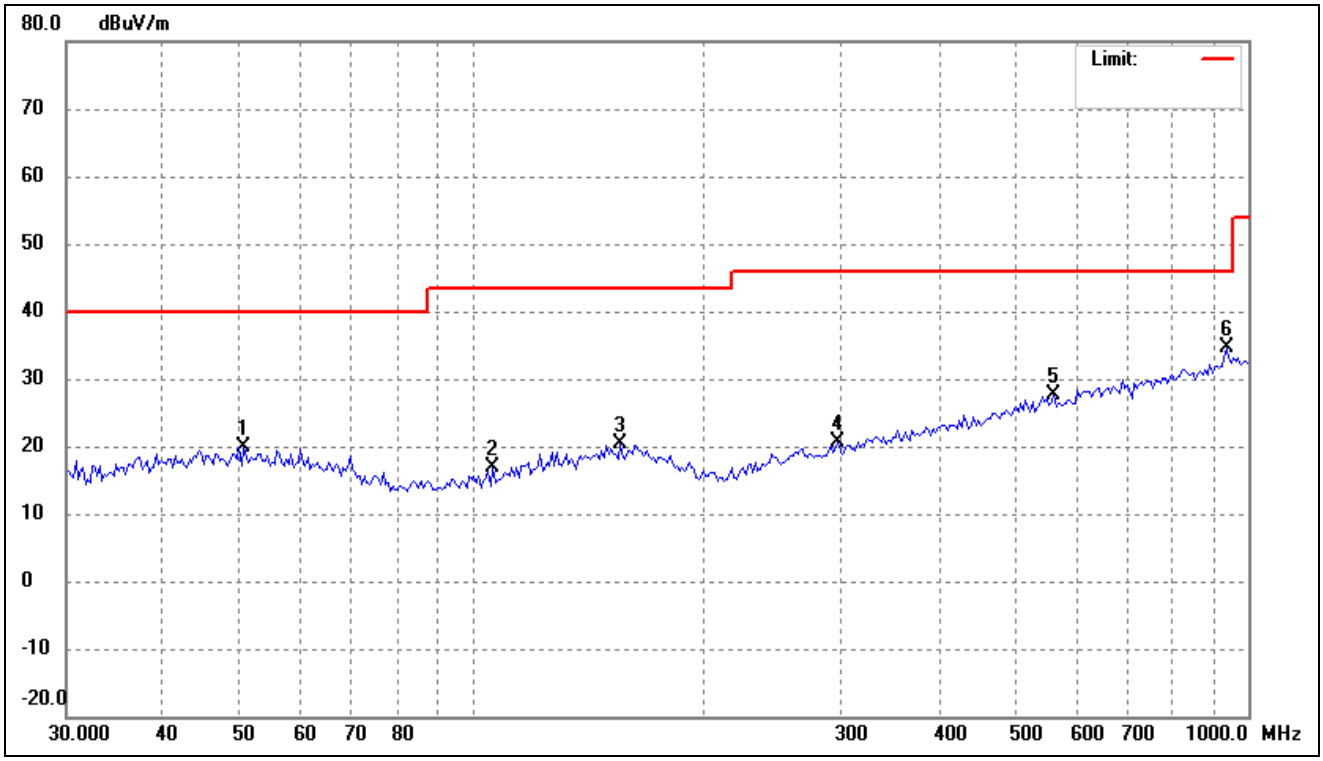
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	27.10	-8.14	18.96	40.00	-21.04	-	-	peak
2	71.7054	28.10	-11.14	16.96	40.00	-23.04	-	-	peak
3	153.1627	29.26	-8.61	20.65	43.50	-22.85	-	-	peak
4	296.5023	28.83	-8.38	20.45	46.00	-25.55	-	-	peak
5	520.2079	29.83	-3.59	26.24	46.00	-19.76	-	-	peak
6	952.0001	30.92	2.25	33.17	46.00	-12.83	-	-	peak

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



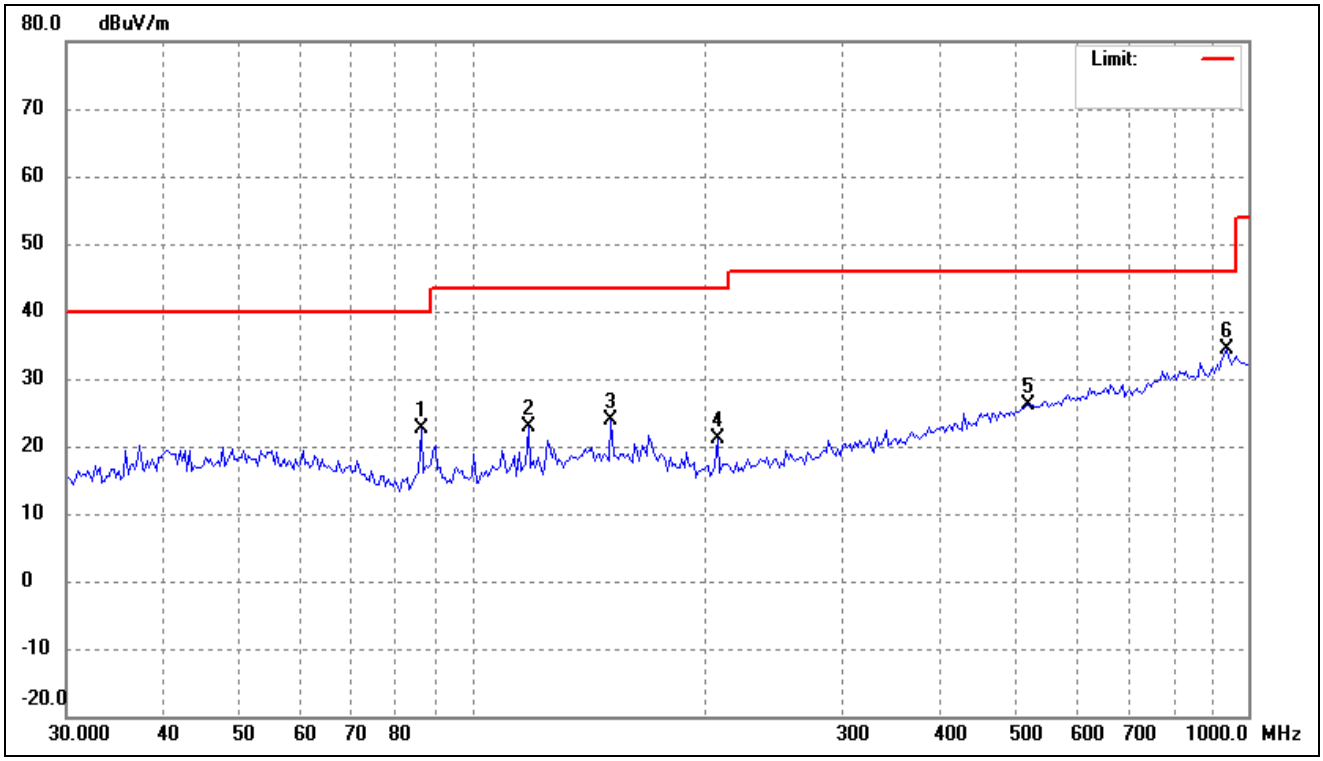
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.7559	28.45	-8.50	19.95	40.00	-20.05	-	-	peak
2	107.0306	34.12	-11.85	22.27	43.50	-21.23	-	-	peak
3	168.9970	31.32	-8.85	22.47	43.50	-21.03	-	-	peak
4	406.7820	29.62	-5.78	23.84	46.00	-22.16	-	-	peak
5	637.7947	30.02	-1.36	28.66	46.00	-17.34	-	-	peak
6	945.3336	31.54	2.15	33.69	46.00	-12.31	-	-	peak

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



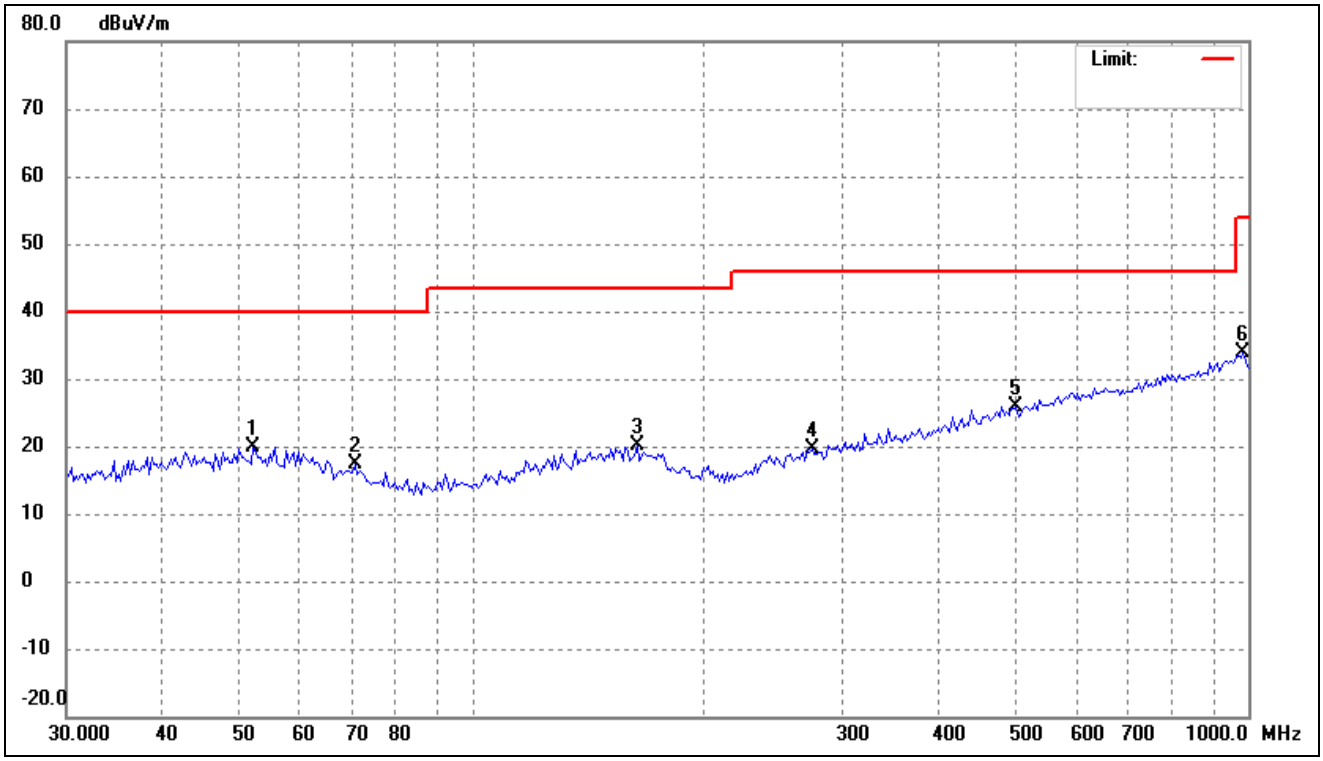
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.8172	27.98	-8.17	19.81	40.00	-20.19	-	-	peak
2	106.2812	28.89	-11.91	16.98	43.50	-26.52	-	-	peak
3	155.3305	29.06	-8.61	20.45	43.50	-23.05	-	-	peak
4	296.5023	29.03	-8.38	20.65	46.00	-25.35	-	-	peak
5	562.0143	30.18	-2.55	27.63	46.00	-18.37	-	-	peak
6	938.7139	32.53	2.01	34.54	46.00	-11.46	-	-	peak

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



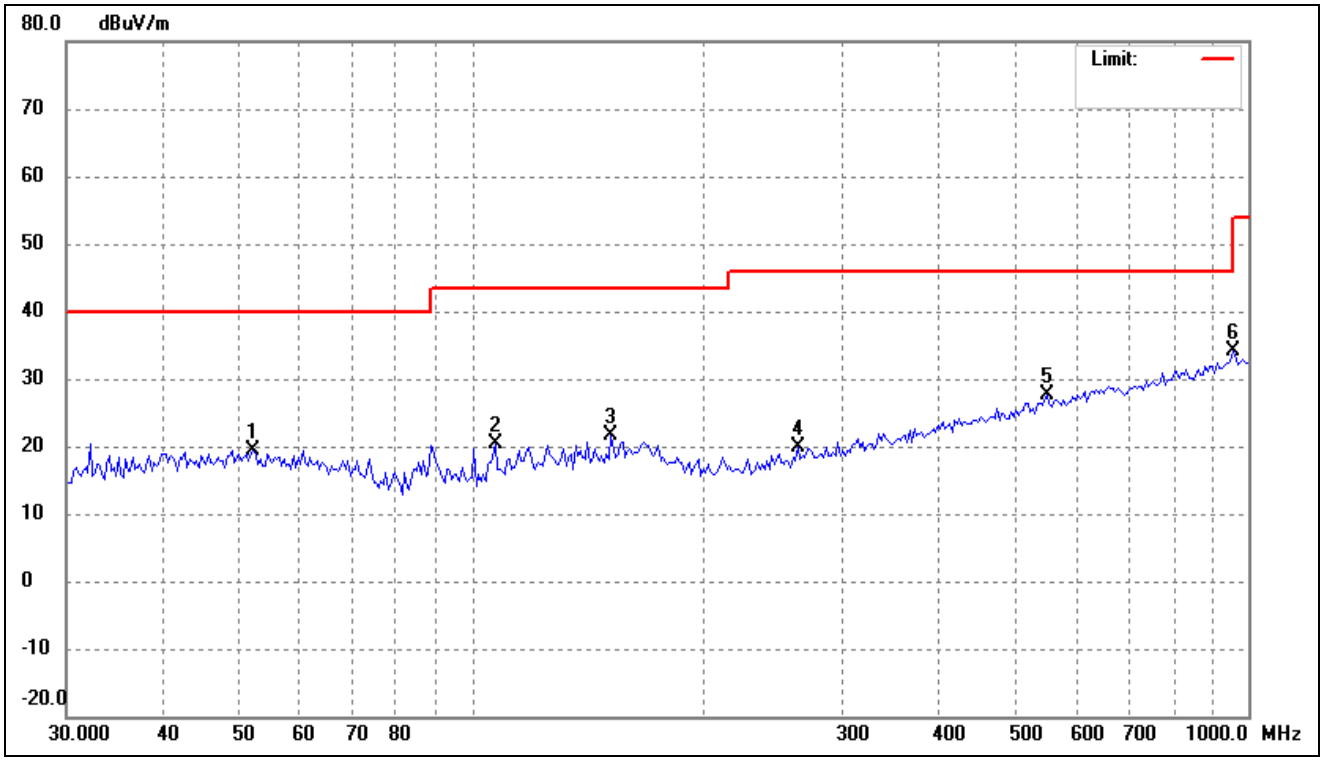
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	86.0796	35.79	-13.04	22.75	40.00	-17.25	-	-	peak
2	118.0957	33.52	-10.73	22.79	43.50	-20.71	-	-	peak
3	151.0252	32.52	-8.61	23.91	43.50	-19.59	-	-	peak
4	207.1968	33.17	-12.13	21.04	43.50	-22.46	-	-	peak
5	520.2079	29.72	-3.59	26.13	46.00	-19.87	-	-	peak
6	938.7139	32.38	2.01	34.39	46.00	-11.61	-	-	peak

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



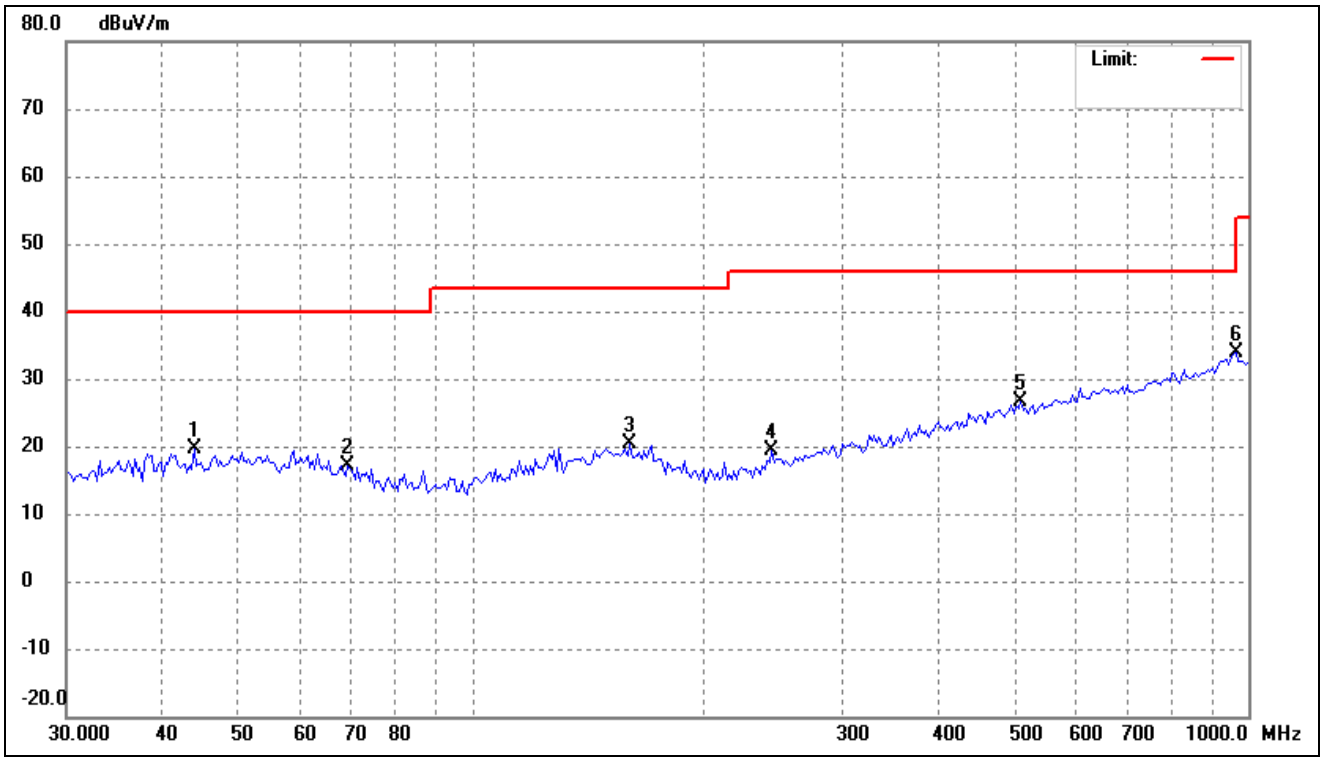
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2659	28.20	-8.33	19.87	40.00	-20.13	-	-	peak
2	70.7047	28.19	-10.92	17.27	40.00	-22.73	-	-	peak
3	163.1623	28.81	-8.70	20.11	43.50	-23.39	-	-	peak
4	274.4464	28.76	-9.13	19.63	46.00	-26.37	-	-	peak
5	502.2473	29.83	-3.87	25.96	46.00	-20.04	-	-	peak
6	986.0440	31.55	2.28	33.83	54.00	-20.17	-	-	peak

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



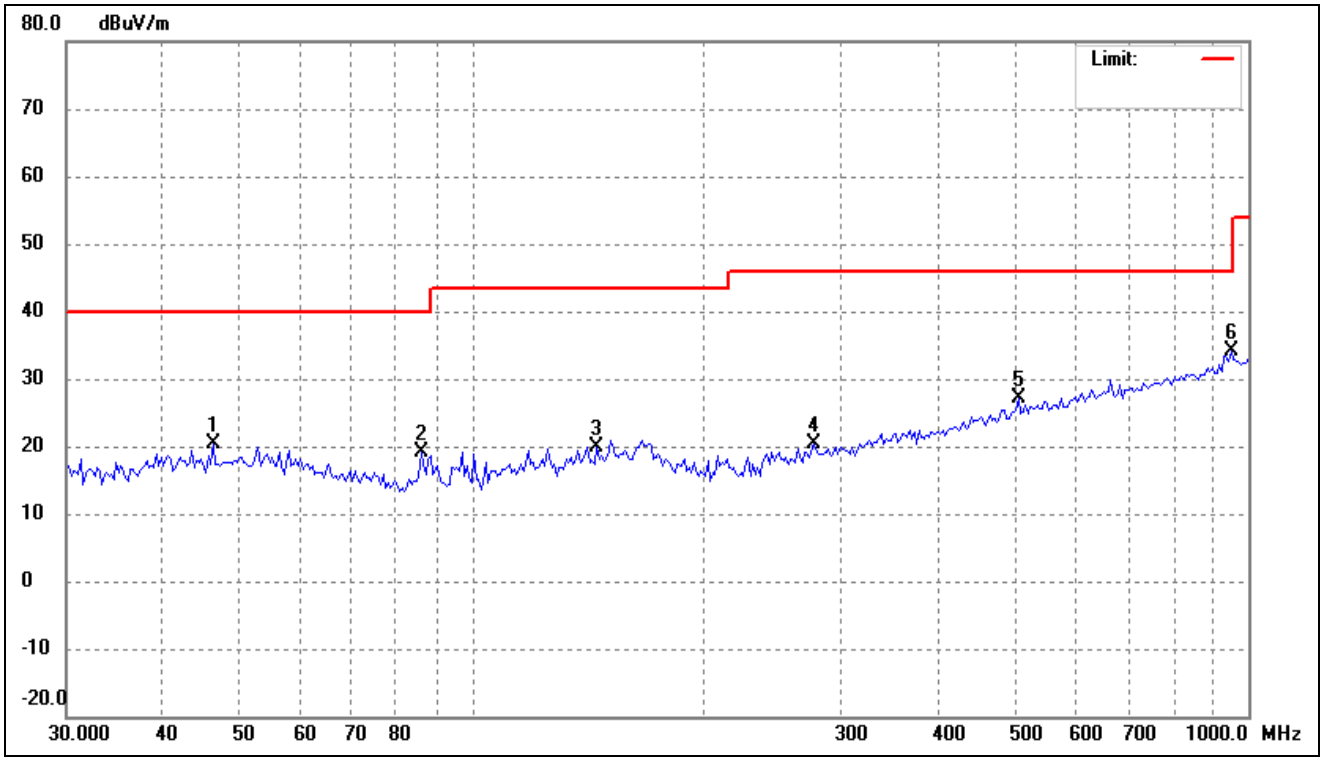
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2659	27.74	-8.33	19.41	40.00	-20.59	-	-	peak
2	107.0306	32.22	-11.85	20.37	43.50	-23.13	-	-	peak
3	151.0252	30.13	-8.61	21.52	43.50	-21.98	-	-	peak
4	263.1155	29.58	-9.64	19.94	46.00	-26.06	-	-	peak
5	550.2902	30.46	-2.84	27.62	46.00	-18.38	-	-	peak
6	958.7135	31.81	2.26	34.07	46.00	-11.93	-	-	peak

802.11ac-VHT20			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



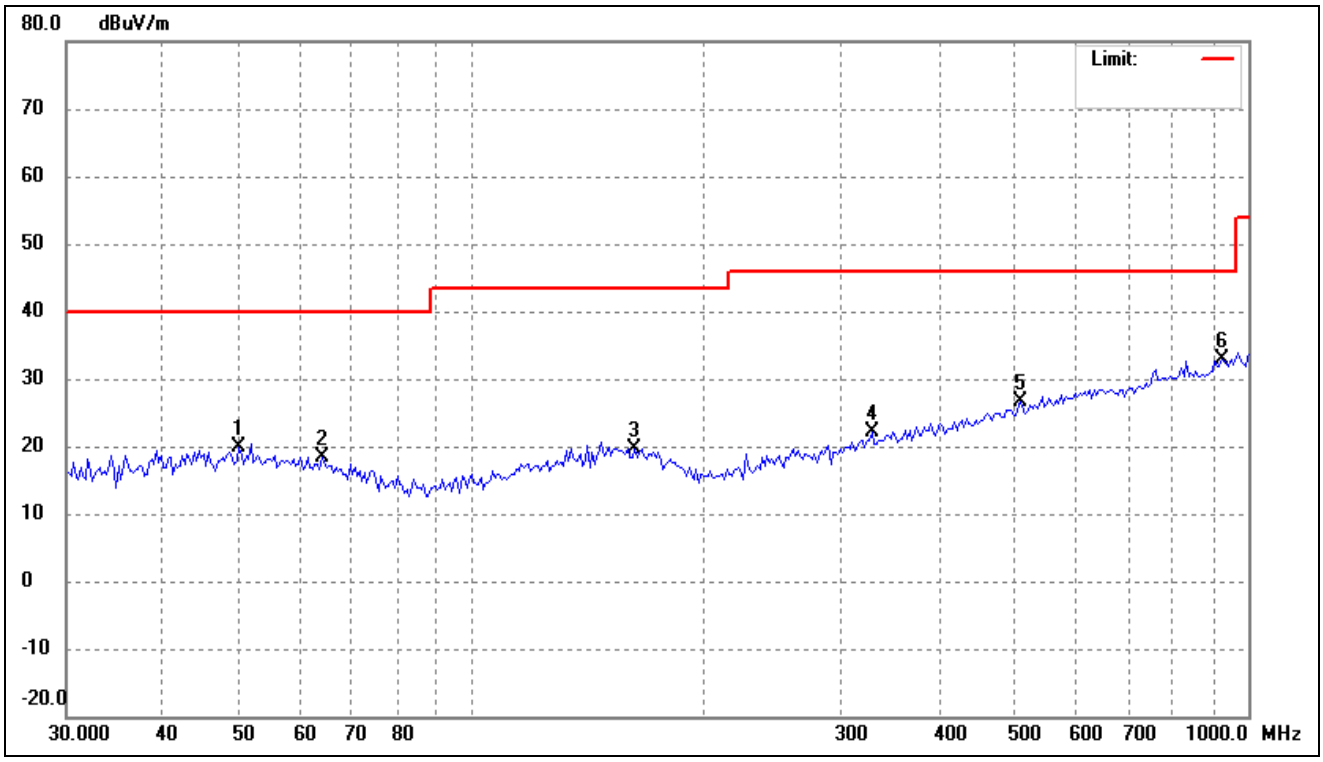
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.8452	28.03	-8.48	19.55	40.00	-20.45	-	-	peak
2	69.2297	27.86	-10.63	17.23	40.00	-22.77	-	-	peak
3	159.7586	28.96	-8.61	20.35	43.50	-23.15	-	-	peak
4	243.5431	29.78	-10.42	19.36	46.00	-26.64	-	-	peak
5	509.3559	30.30	-3.76	26.54	46.00	-19.46	-	-	peak
6	965.4742	31.58	2.27	33.85	54.00	-20.15	-	-	peak

802.11ac-VHT20			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



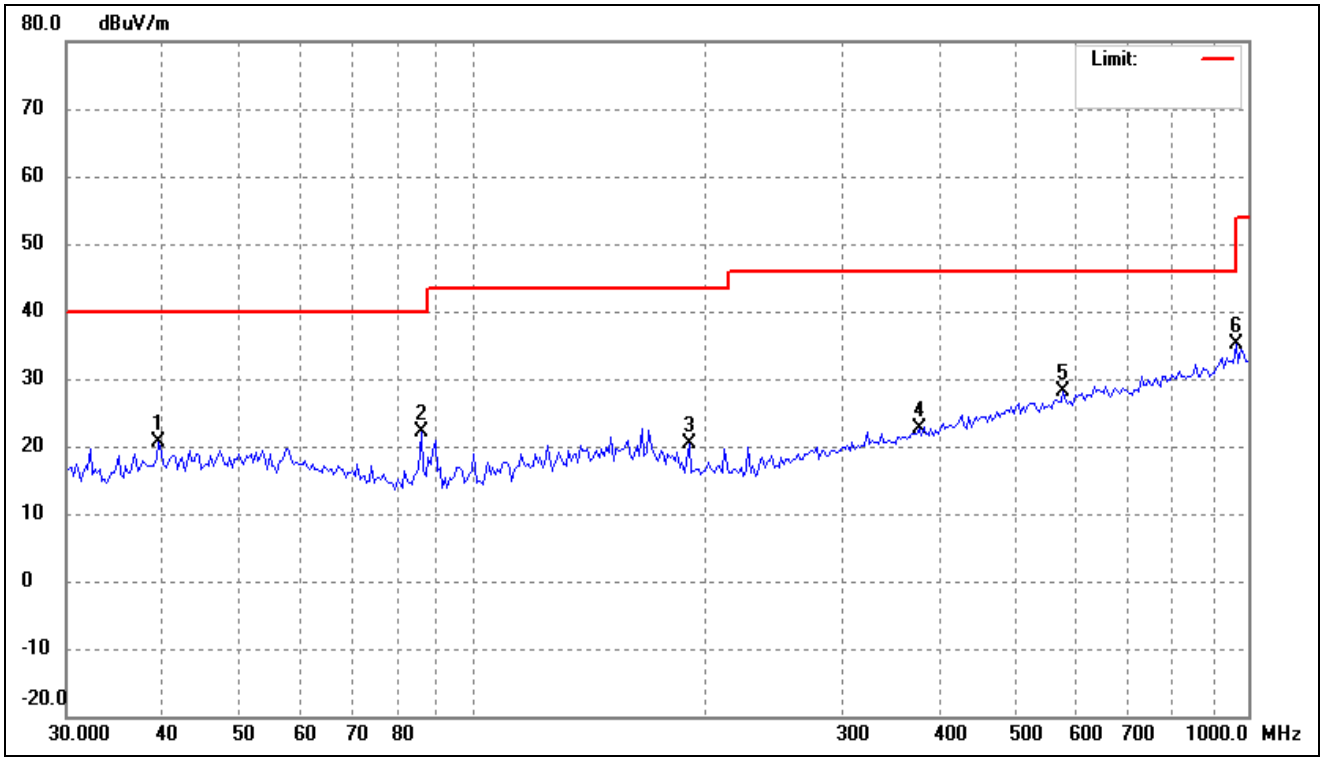
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.3806	28.75	-8.37	20.38	40.00	-19.62	-	-	peak
2	86.0796	32.27	-13.04	19.23	40.00	-20.77	-	-	peak
3	144.7899	29.01	-9.03	19.98	43.50	-23.52	-	-	peak
4	276.3818	29.37	-9.06	20.31	46.00	-25.69	-	-	peak
5	505.7891	30.87	-3.80	27.07	46.00	-18.93	-	-	peak
6	952.0001	31.86	2.25	34.11	46.00	-11.89	-	-	peak

802.11ac-VHT40			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



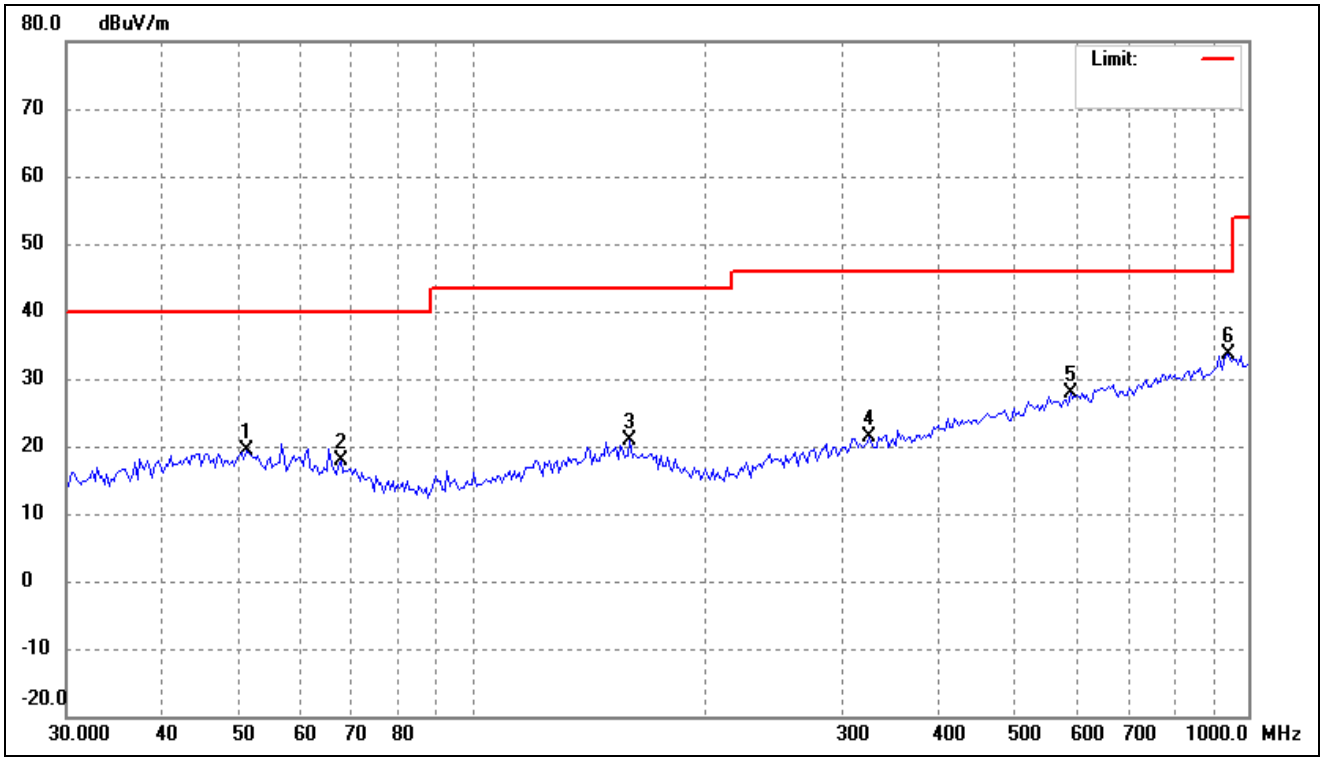
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.1080	27.89	-8.09	19.80	40.00	-20.20	-	-	peak
2	64.0800	28.03	-9.68	18.35	40.00	-21.65	-	-	peak
3	162.0197	28.23	-8.66	19.57	43.50	-23.93	-	-	peak
4	327.1554	29.74	-7.51	22.23	46.00	-23.77	-	-	peak
5	509.3559	30.27	-3.76	26.51	46.00	-19.49	-	-	peak
6	925.6132	31.24	1.74	32.98	46.00	-13.02	-	-	peak

802.11ac-VHT40			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



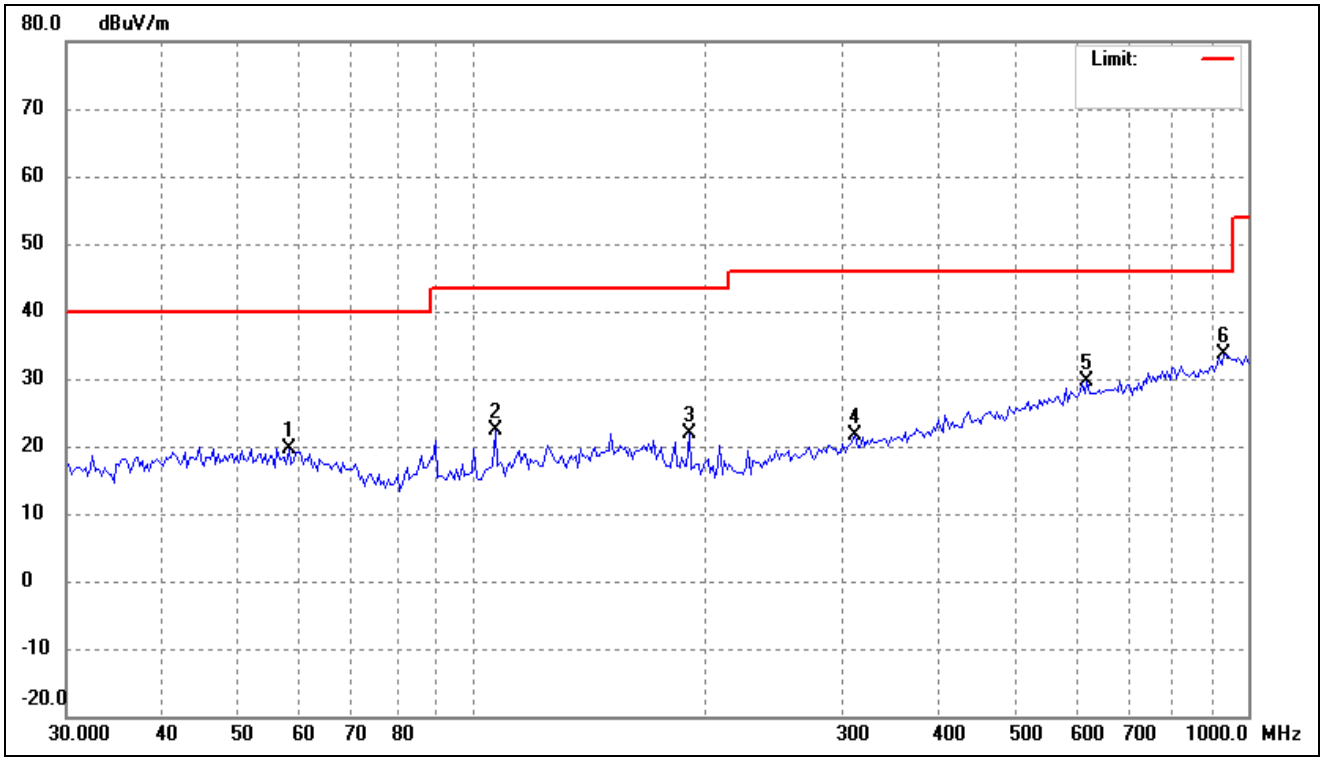
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.4588	29.12	-8.60	20.52	40.00	-19.48	-	-	peak
2	86.0796	35.07	-13.04	22.03	40.00	-17.97	-	-	peak
3	190.4411	31.76	-11.45	20.31	43.50	-23.19	-	-	peak
4	376.5228	29.15	-6.44	22.71	46.00	-23.29	-	-	peak
5	578.0359	30.28	-2.19	28.09	46.00	-17.91	-	-	peak
6	965.4742	32.76	2.27	35.03	54.00	-18.97	-	-	peak

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



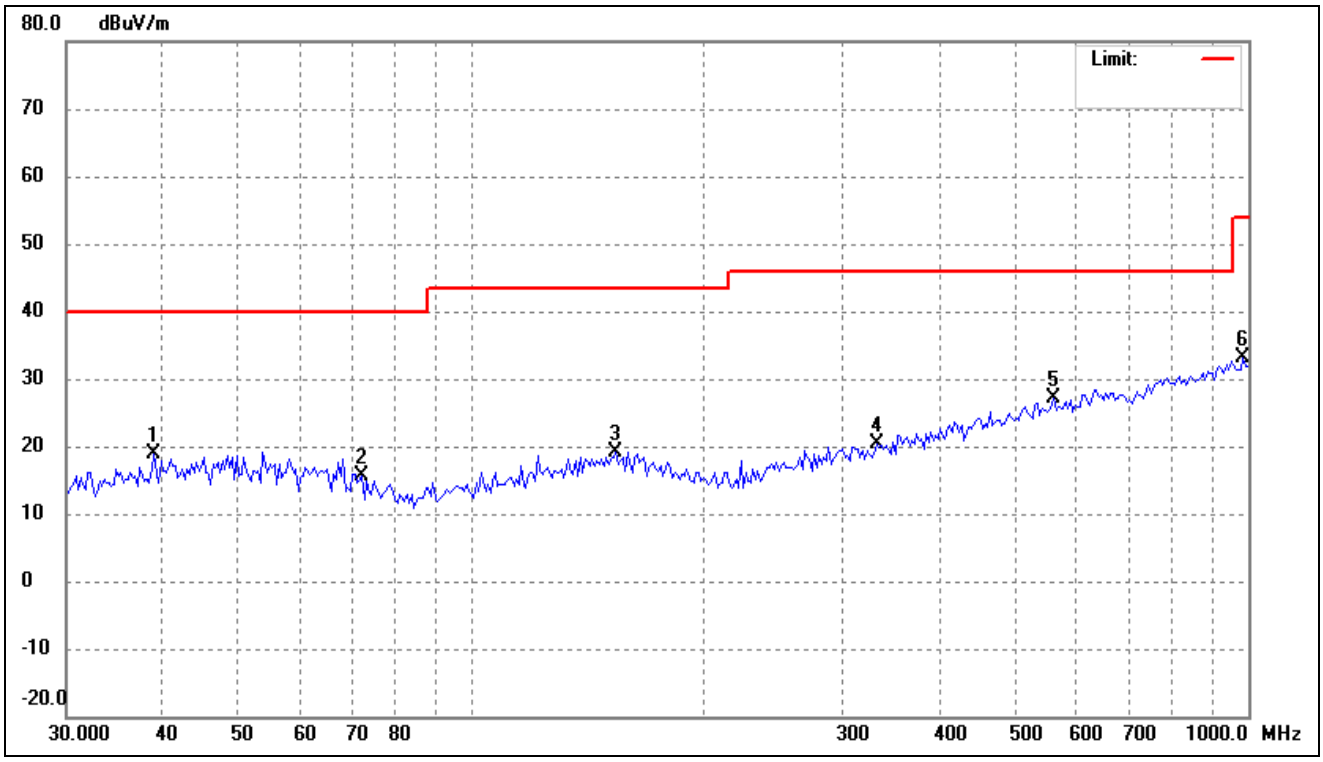
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.1756	27.58	-8.22	19.36	40.00	-20.64	-	-	peak
2	67.7856	28.19	-10.36	17.83	40.00	-22.17	-	-	peak
3	159.7586	29.52	-8.61	20.91	43.50	-22.59	-	-	peak
4	324.8645	28.93	-7.55	21.38	46.00	-24.62	-	-	peak
5	590.3511	29.91	-1.94	27.97	46.00	-18.03	-	-	peak
6	945.3336	31.52	2.15	33.67	46.00	-12.33	-	-	peak

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



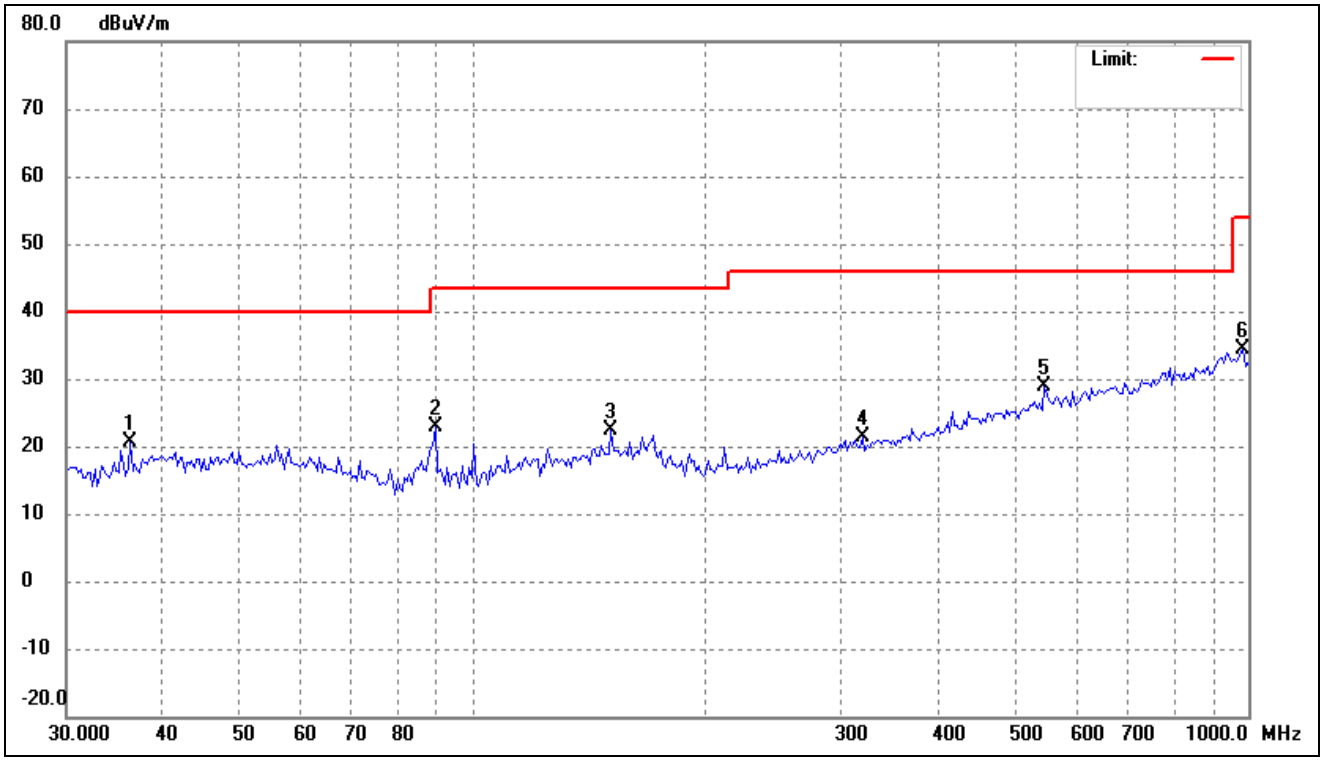
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	58.0759	28.51	-8.82	19.69	40.00	-20.31	-	-	peak
2	107.0306	34.18	-11.85	22.33	43.50	-21.17	-	-	peak
3	190.4411	33.41	-11.45	21.96	43.50	-21.54	-	-	peak
4	311.4519	29.49	-7.93	21.56	46.00	-24.44	-	-	peak
5	620.1167	31.10	-1.46	29.64	46.00	-16.36	-	-	peak
6	932.1405	31.75	1.87	33.62	46.00	-12.38	-	-	peak

802.11ac-VHT160			
Test Channel	5250MHz(worst case)	Polarity:	Horizontal



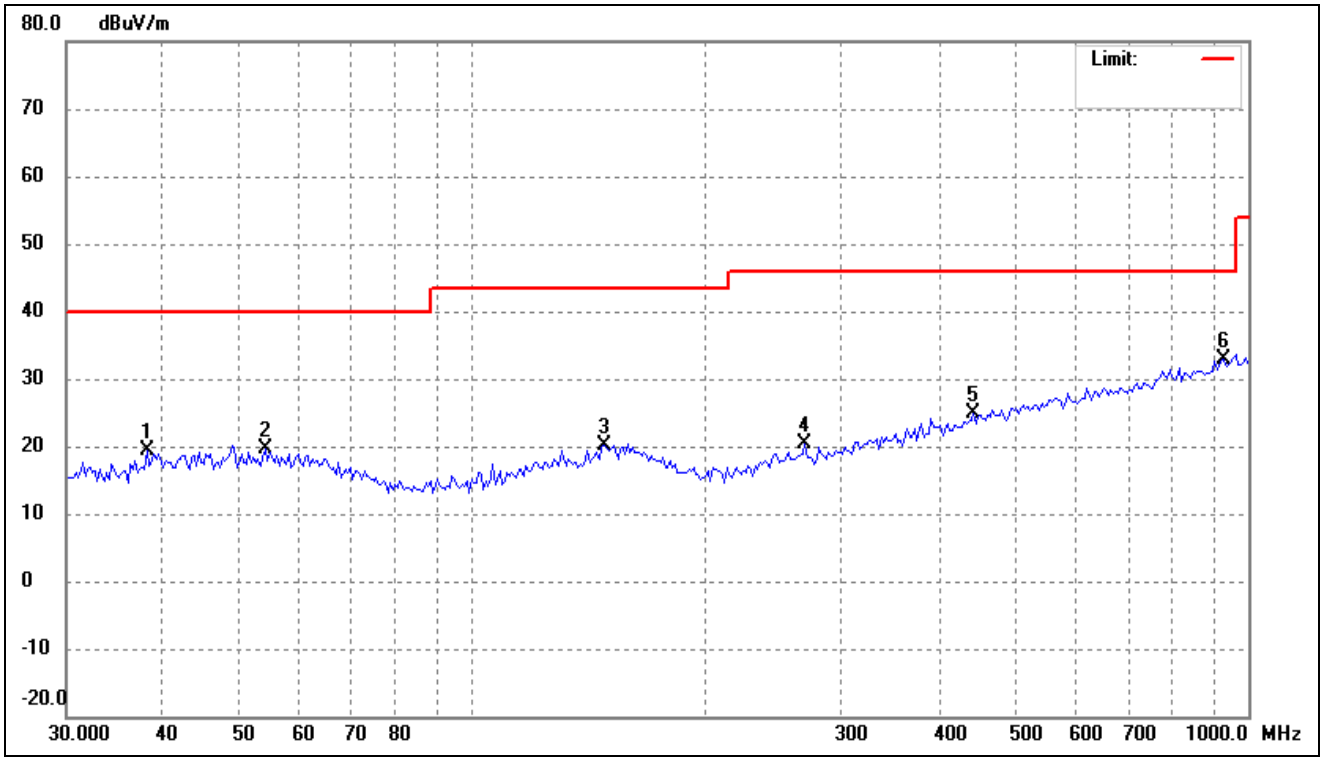
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.9081	27.65	-8.72	18.93	40.00	-21.07	-	-	peak
2	72.2111	26.97	-11.26	15.71	40.00	-24.29	-	-	peak
3	153.1627	27.77	-8.61	19.16	43.50	-24.34	-	-	peak
4	331.7858	27.78	-7.43	20.35	46.00	-25.65	-	-	peak
5	562.0143	29.80	-2.55	27.25	46.00	-18.75	-	-	peak
6	986.0440	30.96	2.28	33.24	54.00	-20.76	-	-	peak

802.11ac-VHT160			
Test Channel	5250MHz(worst case)	Polarity:	Vertical



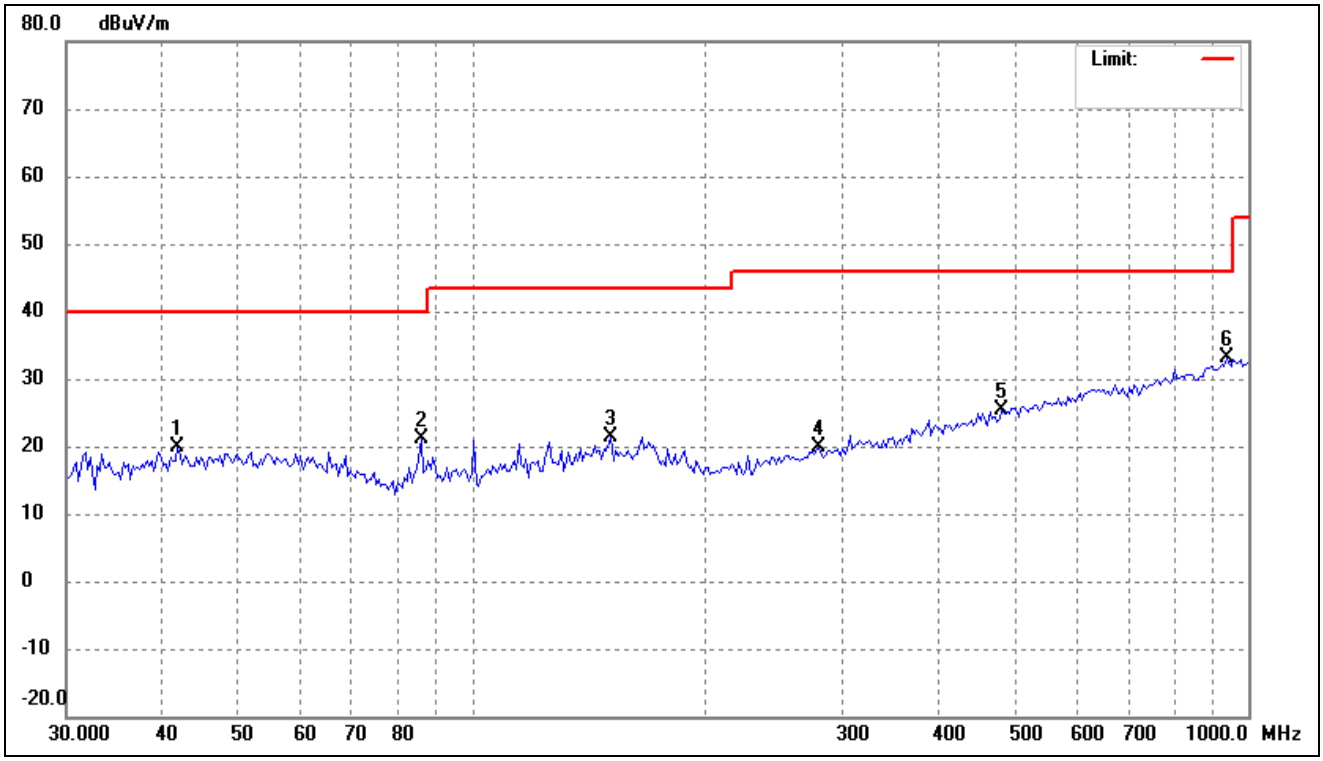
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.2678	29.84	-9.28	20.56	40.00	-19.44	-	-	peak
2	89.7866	35.97	-13.10	22.87	43.50	-20.63	-	-	peak
3	151.0252	31.00	-8.61	22.39	43.50	-21.11	-	-	peak
4	318.0875	29.07	-7.75	21.32	46.00	-24.68	-	-	peak
5	546.4368	31.78	-2.94	28.84	46.00	-17.16	-	-	peak
6	986.0440	32.04	2.28	34.32	54.00	-19.68	-	-	peak

802.11ax-HE20			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



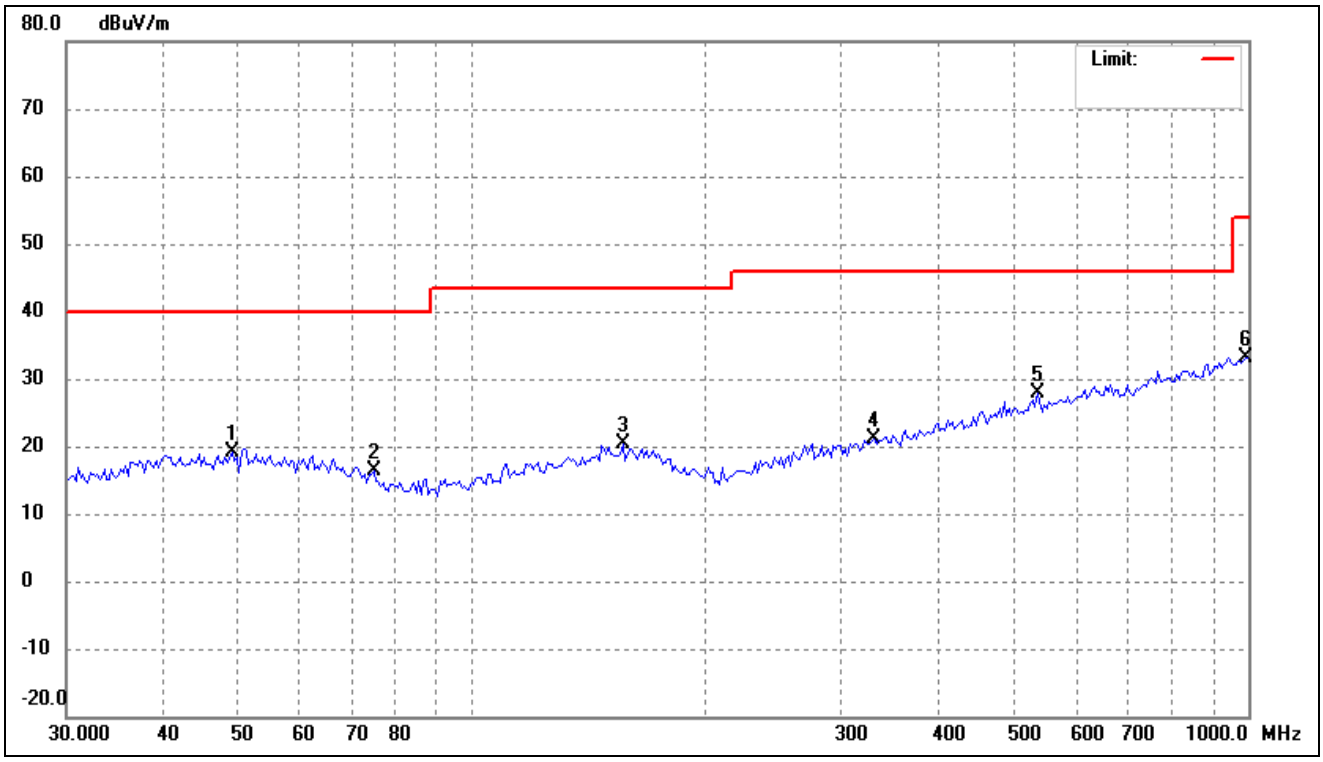
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.0965	28.15	-8.89	19.26	40.00	-20.74	-	-	peak
2	54.1349	28.06	-8.54	19.52	40.00	-20.48	-	-	peak
3	147.8747	28.95	-8.77	20.18	43.50	-23.32	-	-	peak
4	268.7212	29.70	-9.39	20.31	46.00	-25.69	-	-	peak
5	442.5722	29.55	-4.79	24.76	46.00	-21.24	-	-	peak
6	932.1405	31.05	1.87	32.92	46.00	-13.08	-	-	peak

802.11ax-HE20			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



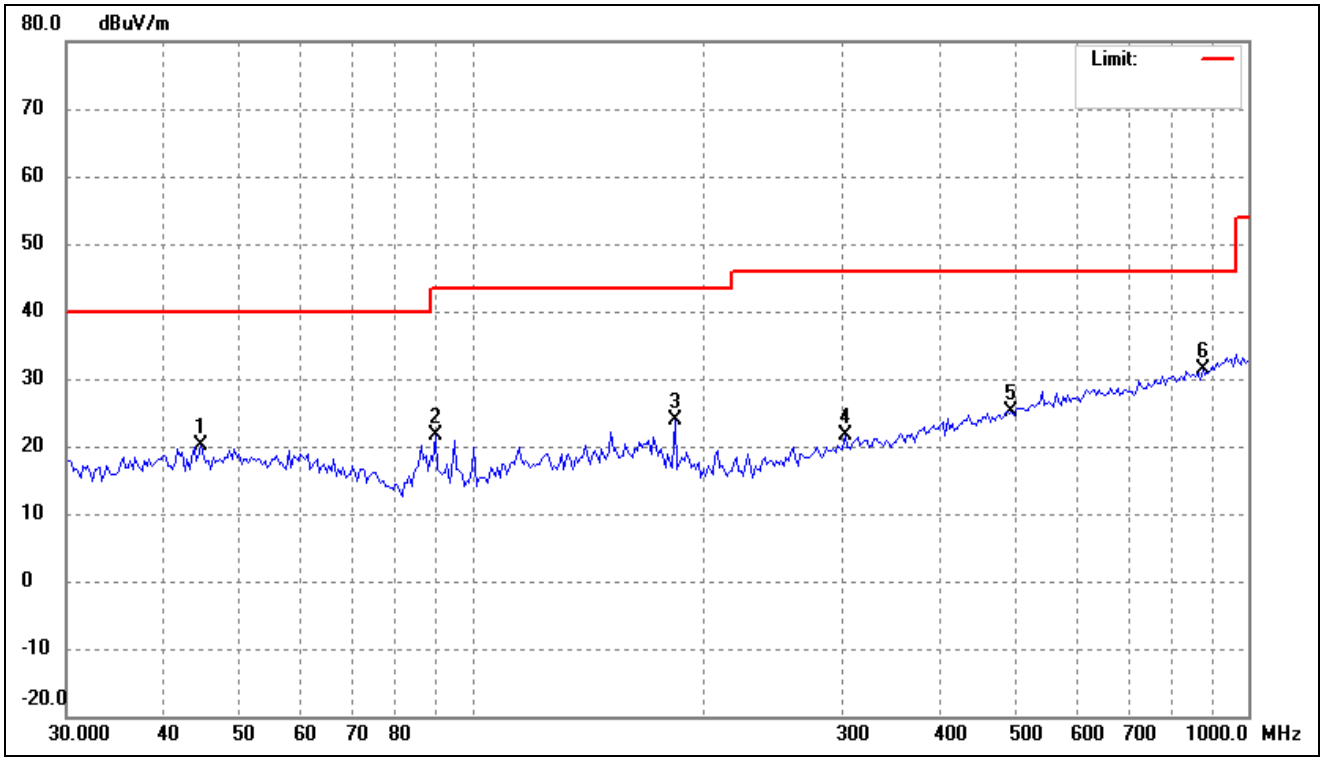
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	28.43	-8.47	19.96	40.00	-20.04	-	-	peak
2	86.0796	34.13	-13.04	21.09	40.00	-18.91	-	-	peak
3	151.0252	30.01	-8.61	21.40	43.50	-22.10	-	-	peak
4	280.2936	28.75	-8.93	19.82	46.00	-26.18	-	-	peak
5	481.5112	29.61	-4.15	25.46	46.00	-20.54	-	-	peak
6	938.7139	31.04	2.01	33.05	46.00	-12.95	-	-	peak

802.11ax-HE40			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



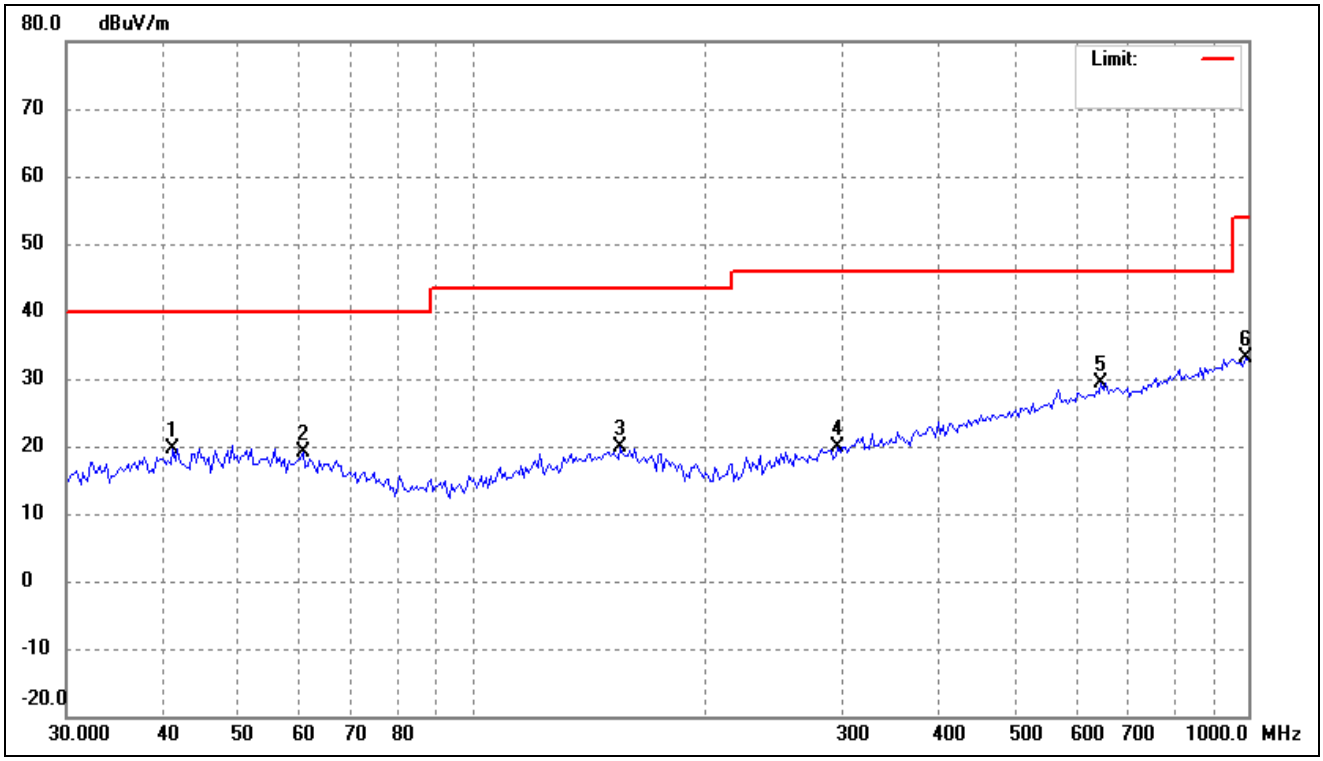
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	27.16	-8.15	19.01	40.00	-20.99	-	-	peak
2	74.7934	28.23	-11.82	16.41	40.00	-23.59	-	-	peak
3	156.4259	28.95	-8.60	20.35	43.50	-23.15	-	-	peak
4	329.4625	28.68	-7.47	21.21	46.00	-24.79	-	-	peak
5	535.0377	31.03	-3.25	27.78	46.00	-18.22	-	-	peak
6	992.9975	30.91	2.30	33.21	54.00	-20.79	-	-	peak

802.11ax-HE40			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



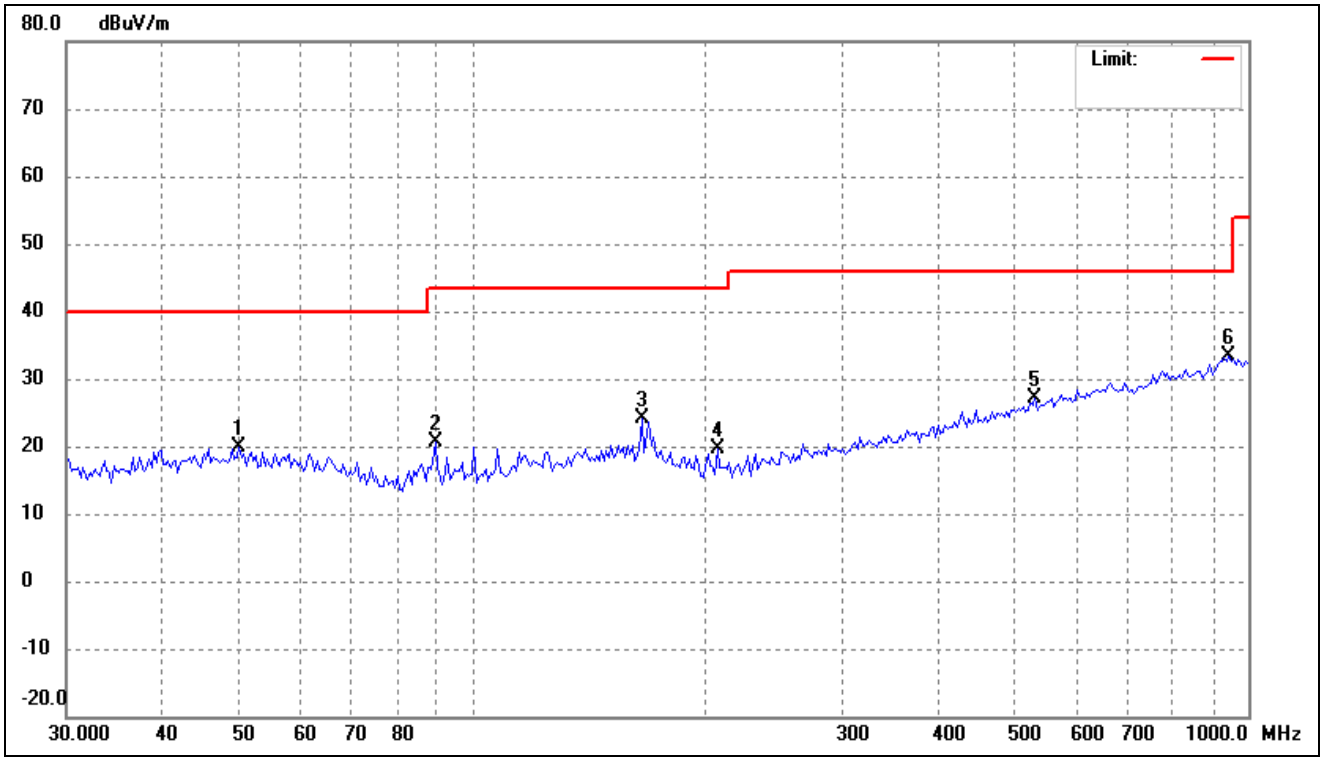
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	44.7793	28.71	-8.47	20.24	40.00	-19.76	-	-	peak
2	89.7866	34.82	-13.10	21.72	43.50	-21.78	-	-	peak
3	182.5785	34.44	-10.60	23.84	43.50	-19.66	-	-	peak
4	302.8193	29.78	-8.18	21.60	46.00	-24.40	-	-	peak
5	495.2379	29.12	-3.97	25.15	46.00	-20.85	-	-	peak
6	875.0133	30.39	0.97	31.36	46.00	-14.64	-	-	peak

802.11ax-HE80			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



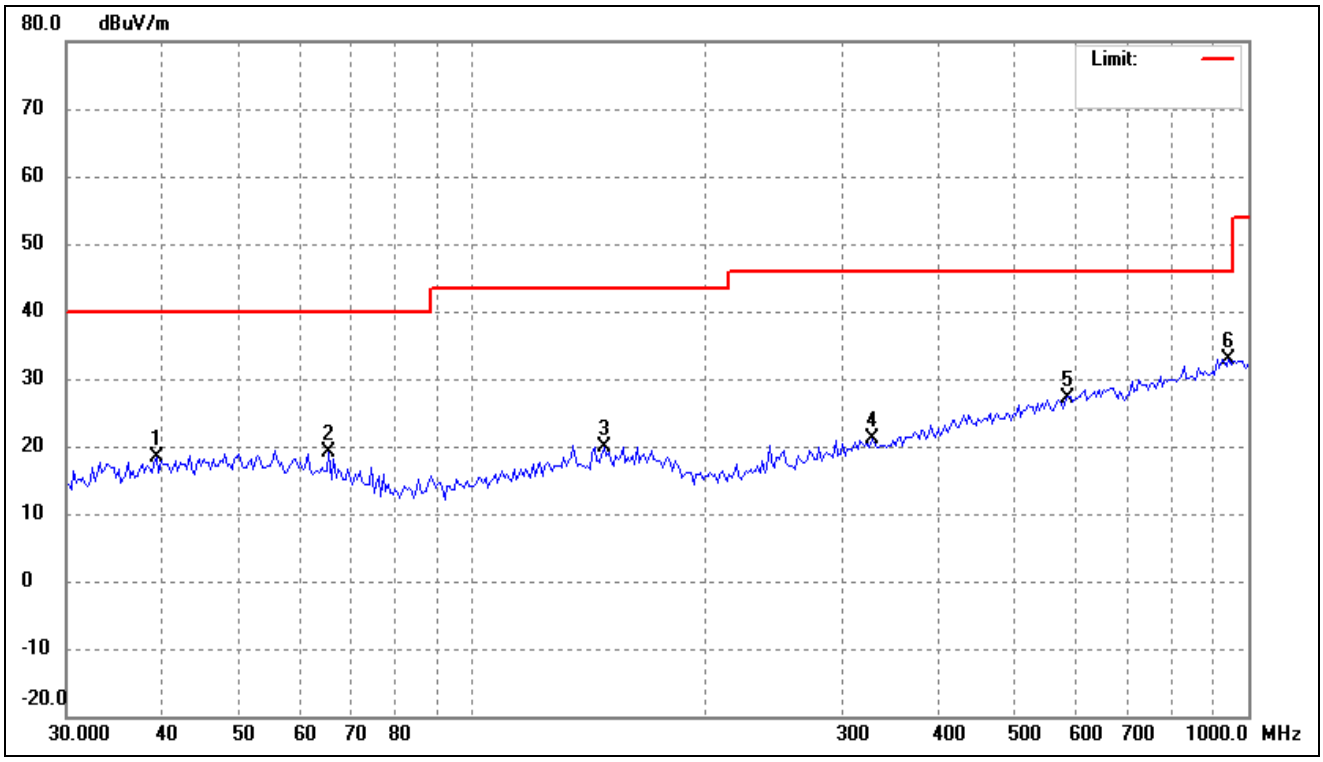
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.1581	28.15	-8.48	19.67	40.00	-20.33	-	-	peak
2	60.5769	28.19	-9.04	19.15	40.00	-20.85	-	-	peak
3	155.3305	28.60	-8.61	19.99	43.50	-23.51	-	-	peak
4	296.5023	28.25	-8.38	19.87	46.00	-26.13	-	-	peak
5	646.8217	30.71	-1.32	29.39	46.00	-16.61	-	-	peak
6	992.9975	30.77	2.30	33.07	54.00	-20.93	-	-	peak

802.11ax-HE80			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



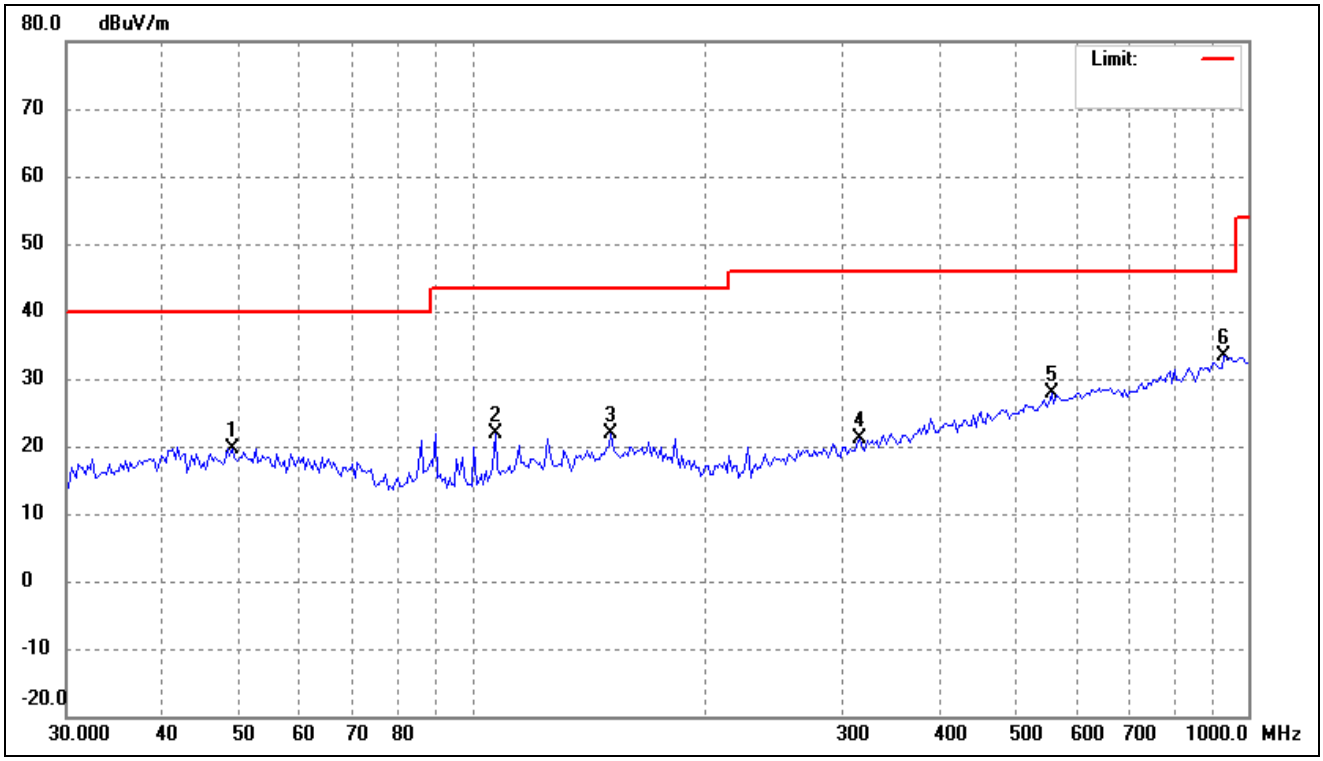
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.1080	27.92	-8.09	19.83	40.00	-20.17	-	-	peak
2	89.7866	33.72	-13.10	20.62	43.50	-22.88	-	-	peak
3	165.4716	32.90	-8.76	24.14	43.50	-19.36	-	-	peak
4	207.1968	31.79	-12.13	19.66	43.50	-23.84	-	-	peak
5	531.2910	30.37	-3.35	27.02	46.00	-18.98	-	-	peak
6	945.3336	31.32	2.15	33.47	46.00	-12.53	-	-	peak

802.11ax-HE160			
Test Channel	5250MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1825	26.93	-8.65	18.28	40.00	-21.72	-	-	peak
2	65.4452	29.12	-9.93	19.19	40.00	-20.81	-	-	peak
3	147.8747	28.73	-8.77	19.96	43.50	-23.54	-	-	peak
4	327.1554	28.65	-7.51	21.14	46.00	-24.86	-	-	peak
5	582.1122	29.28	-2.11	27.17	46.00	-18.83	-	-	peak
6	945.3336	30.78	2.15	32.93	46.00	-13.07	-	-	peak

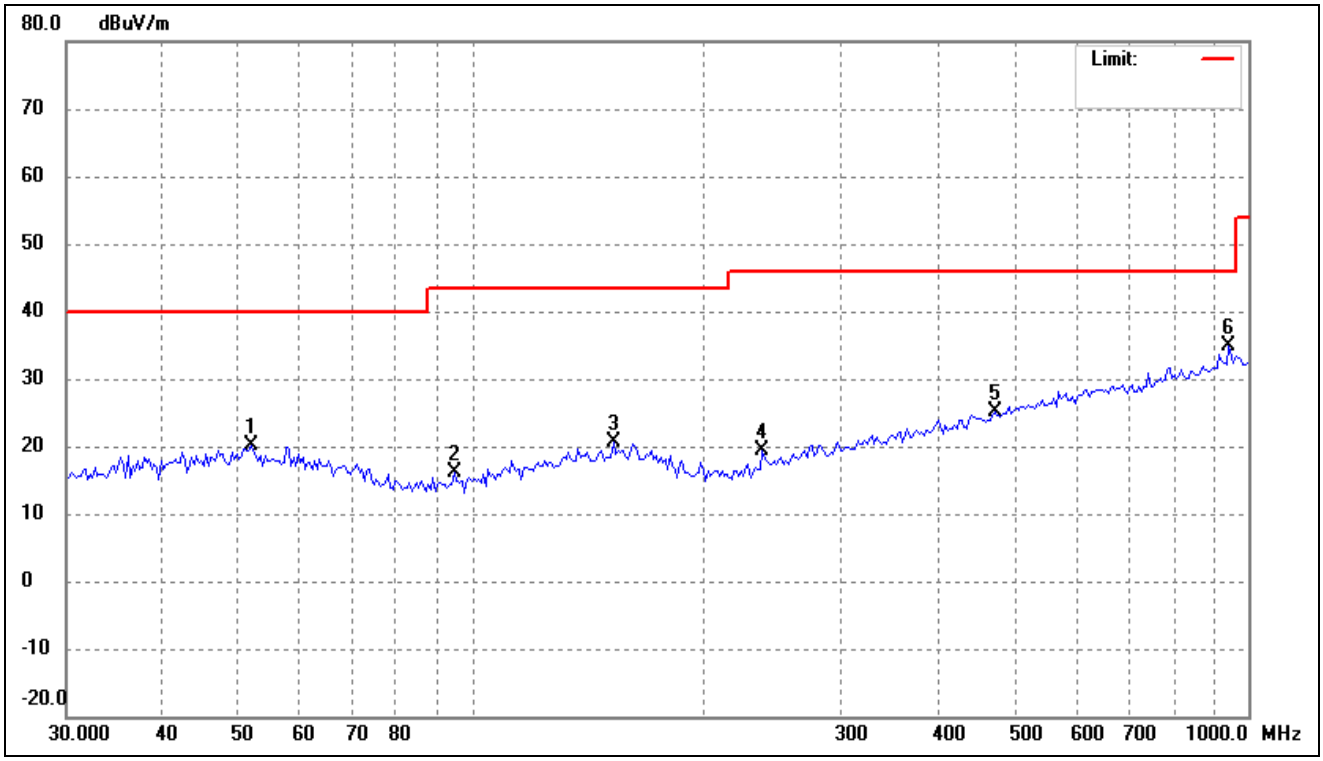
802.11ax-HE160			
Test Channel	5250MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	27.87	-8.15	19.72	40.00	-20.28	-	-	peak
2	107.0306	33.70	-11.85	21.85	43.50	-21.65	-	-	peak
3	151.0252	30.41	-8.61	21.80	43.50	-21.70	-	-	peak
4	315.8601	28.89	-7.81	21.08	46.00	-24.92	-	-	peak
5	558.0788	30.45	-2.66	27.79	46.00	-18.21	-	-	peak
6	932.1405	31.60	1.87	33.47	46.00	-12.53	-	-	peak

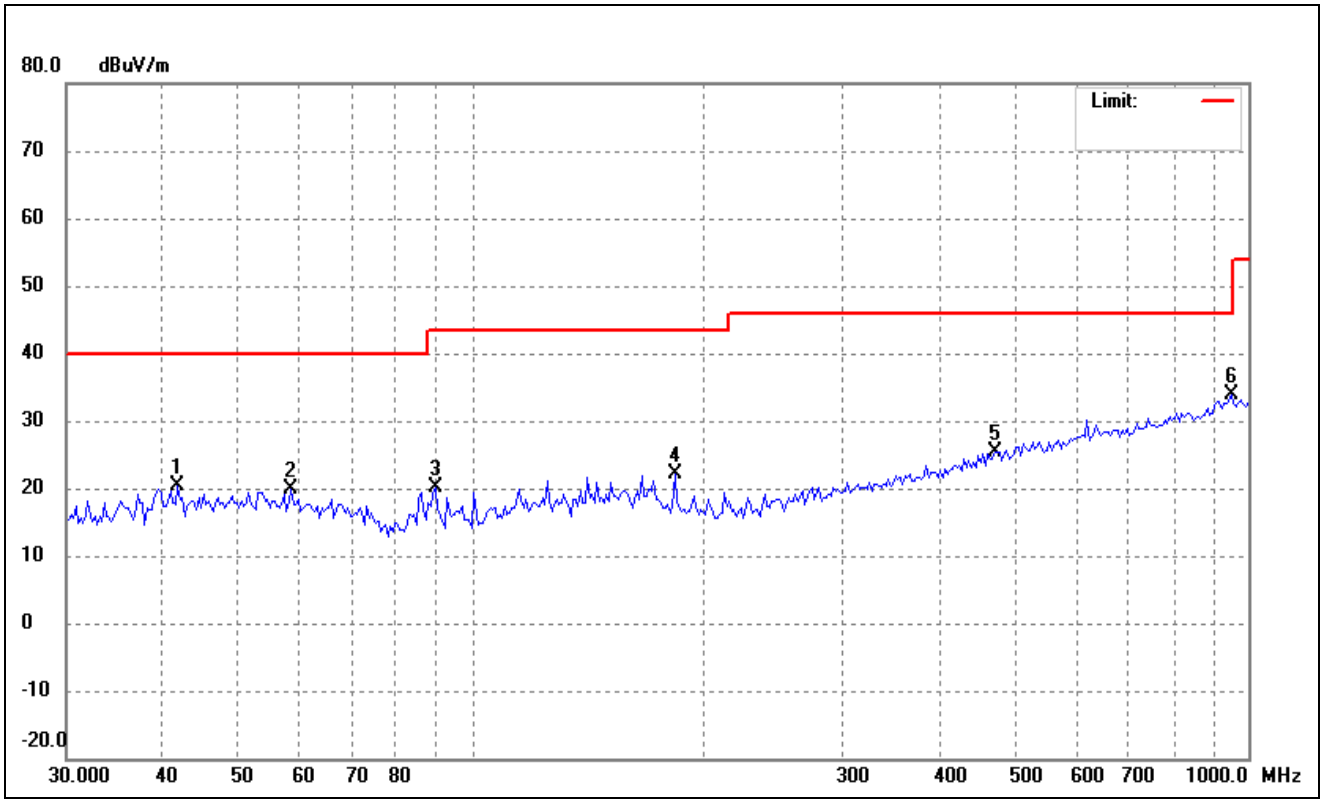
5470-5725MHz

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



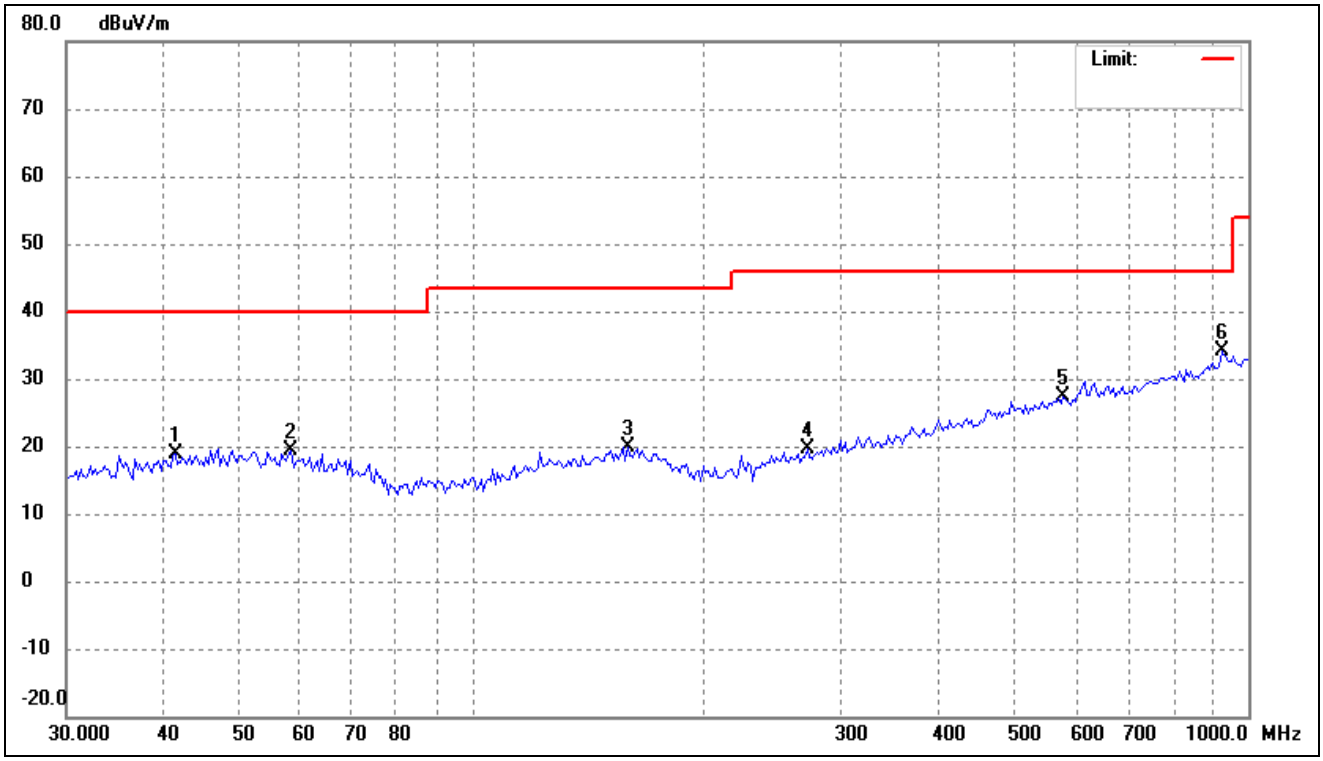
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	28.34	-8.29	20.05	40.00	-19.95	-	-	peak
2	94.9788	28.84	-12.81	16.03	43.50	-27.47	-	-	peak
3	152.0902	29.18	-8.60	20.58	43.50	-22.92	-	-	peak
4	236.7928	30.31	-10.88	19.43	46.00	-26.57	-	-	peak
5	471.4665	29.39	-4.29	25.10	46.00	-20.90	-	-	peak
6	945.3336	32.79	2.15	34.94	46.00	-11.06	-	-	peak

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



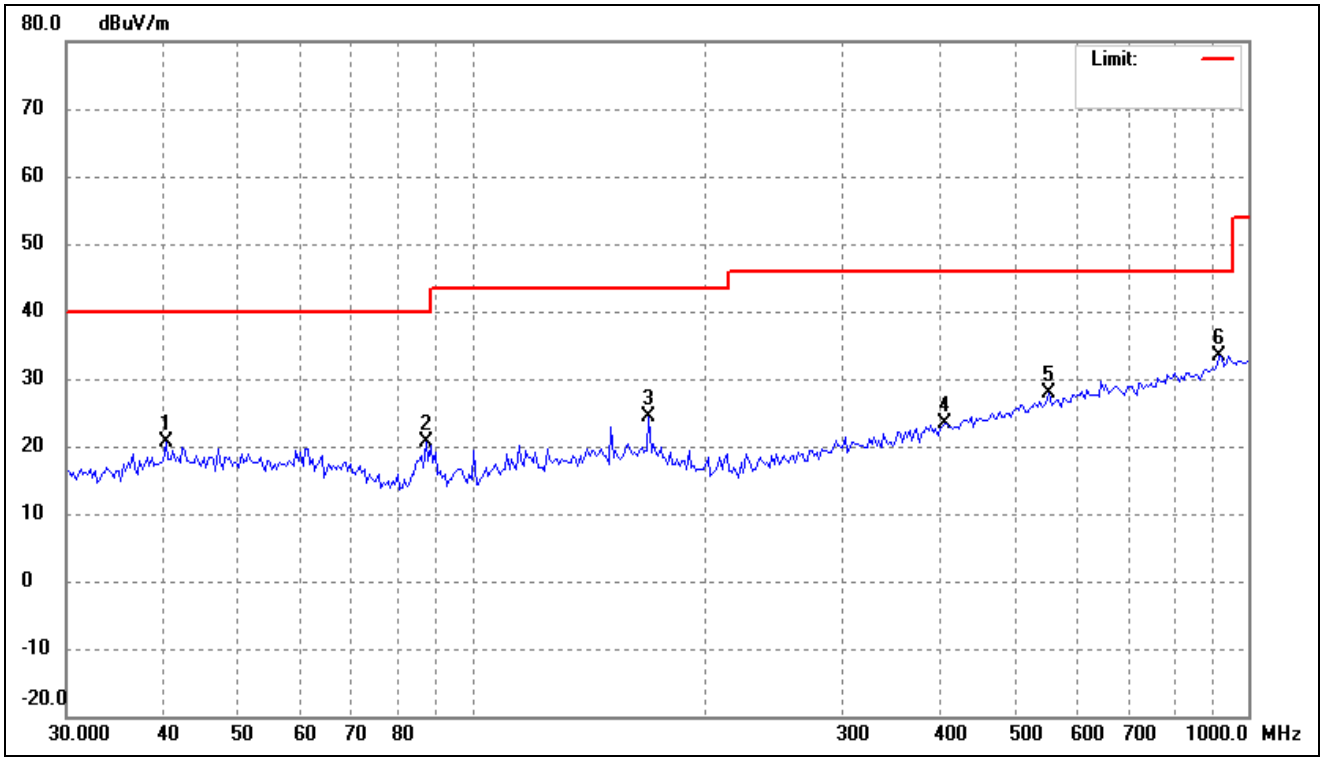
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	28.75	-8.47	20.28	40.00	-19.72	-	-	peak
2	58.4855	28.77	-8.84	19.93	40.00	-20.07	-	-	peak
3	89.7866	33.20	-13.10	20.10	43.50	-23.40	-	-	peak
4	182.5785	32.75	-10.60	22.15	43.50	-21.35	-	-	peak
5	471.4665	29.76	-4.29	25.47	46.00	-20.53	-	-	peak
6	952.0001	31.74	2.25	33.99	46.00	-12.01	-	-	peak

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



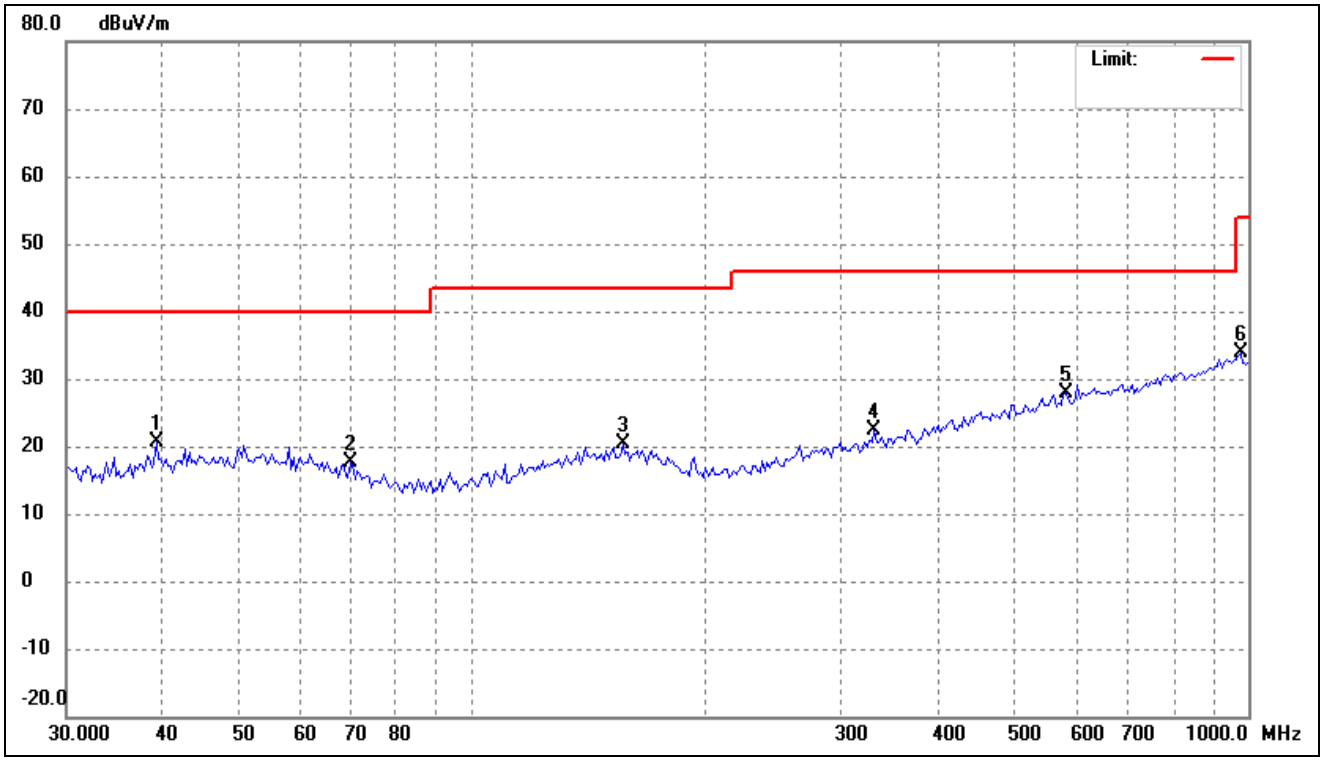
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.4483	27.45	-8.48	18.97	40.00	-21.03	-	-	peak
2	58.4855	28.21	-8.84	19.37	40.00	-20.63	-	-	peak
3	158.6399	28.61	-8.61	20.00	43.50	-23.50	-	-	peak
4	270.6162	29.02	-9.30	19.72	46.00	-26.28	-	-	peak
5	578.0359	29.53	-2.19	27.34	46.00	-18.66	-	-	peak
6	925.6132	32.40	1.74	34.14	46.00	-11.86	-	-	peak

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



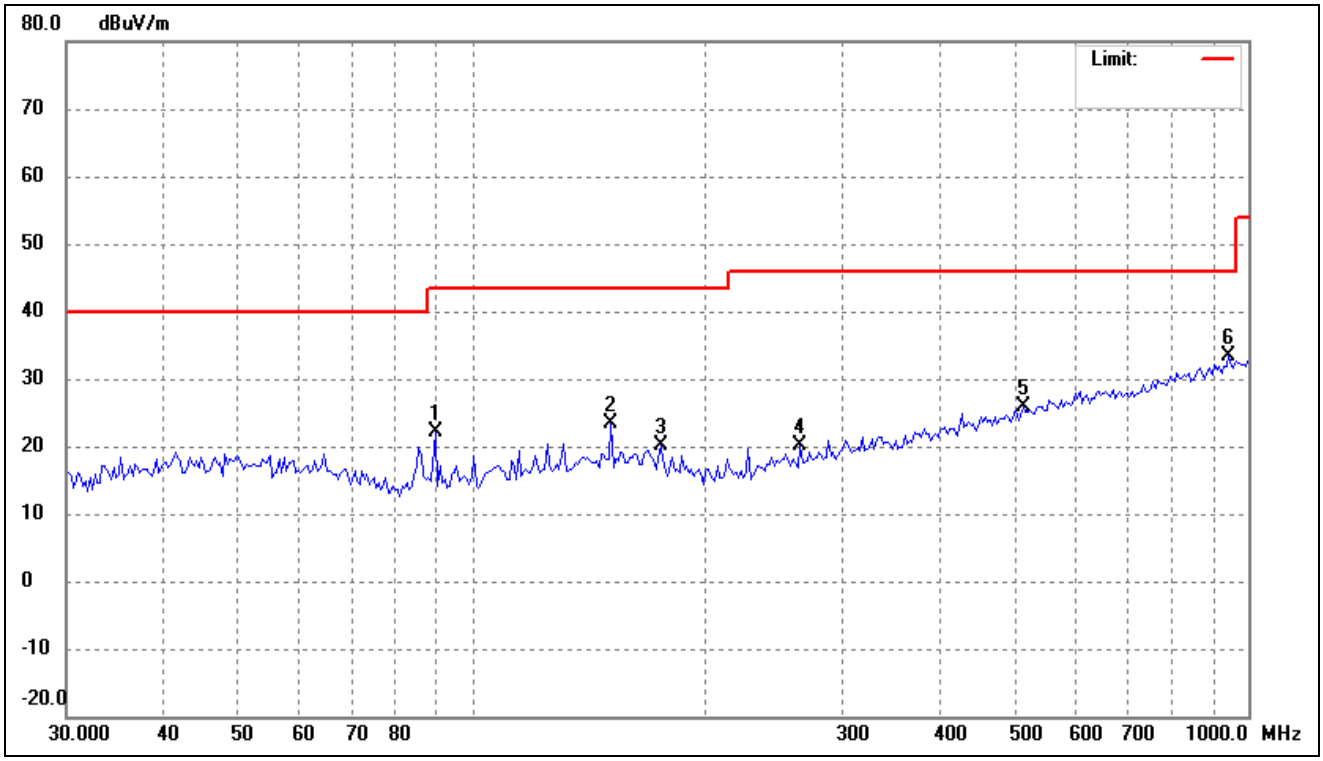
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	29.10	-8.48	20.62	40.00	-19.38	-	-	peak
2	87.2980	33.60	-13.07	20.53	40.00	-19.47	-	-	peak
3	168.9970	33.33	-8.85	24.48	43.50	-19.02	-	-	peak
4	406.7820	29.05	-5.78	23.27	46.00	-22.73	-	-	peak
5	554.1708	30.57	-2.75	27.82	46.00	-18.18	-	-	peak
6	919.1315	31.78	1.59	33.37	46.00	-12.63	-	-	peak

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



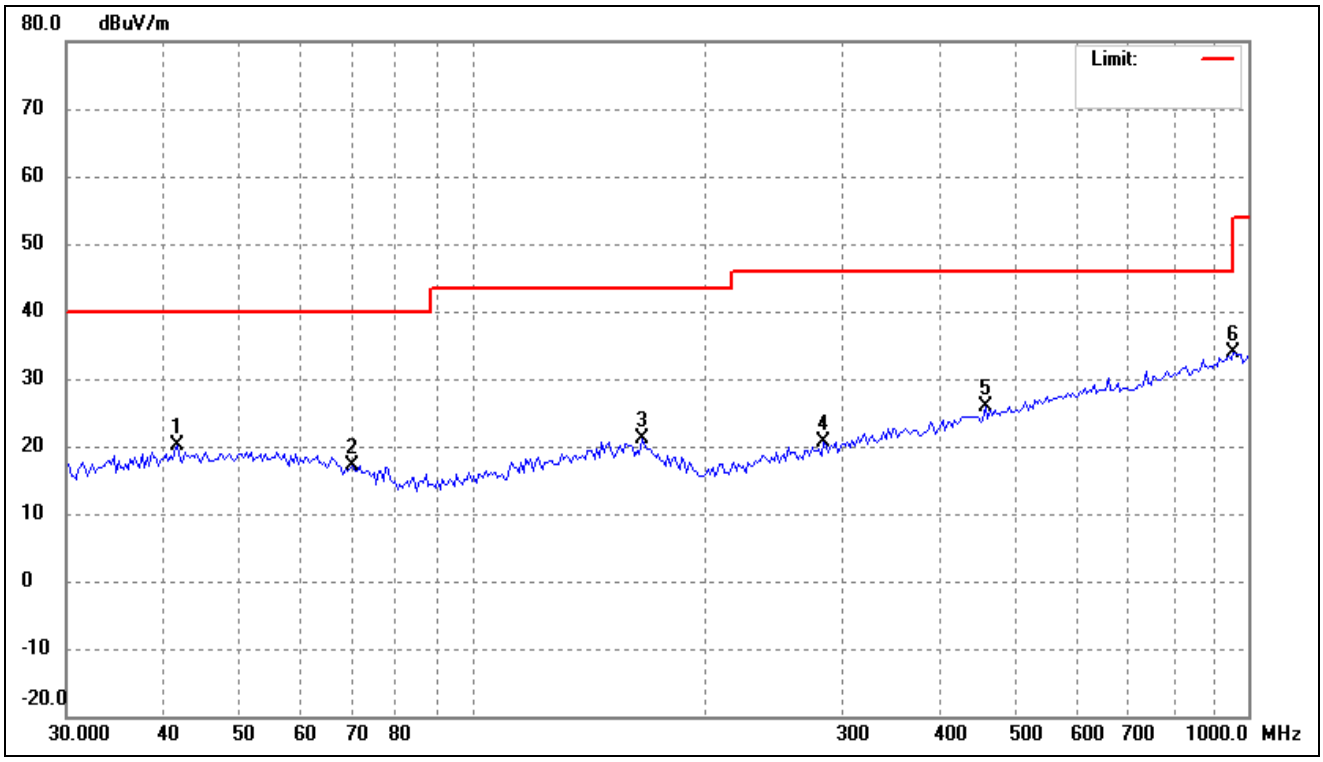
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1825	29.19	-8.65	20.54	40.00	-19.46	-	-	peak
2	69.7179	28.26	-10.71	17.55	40.00	-22.45	-	-	peak
3	156.4259	29.08	-8.60	20.48	43.50	-23.02	-	-	peak
4	329.4625	29.93	-7.47	22.46	46.00	-23.54	-	-	peak
5	582.1122	29.90	-2.11	27.79	46.00	-18.21	-	-	peak
6	979.1392	31.56	2.28	33.84	54.00	-20.16	-	-	peak

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



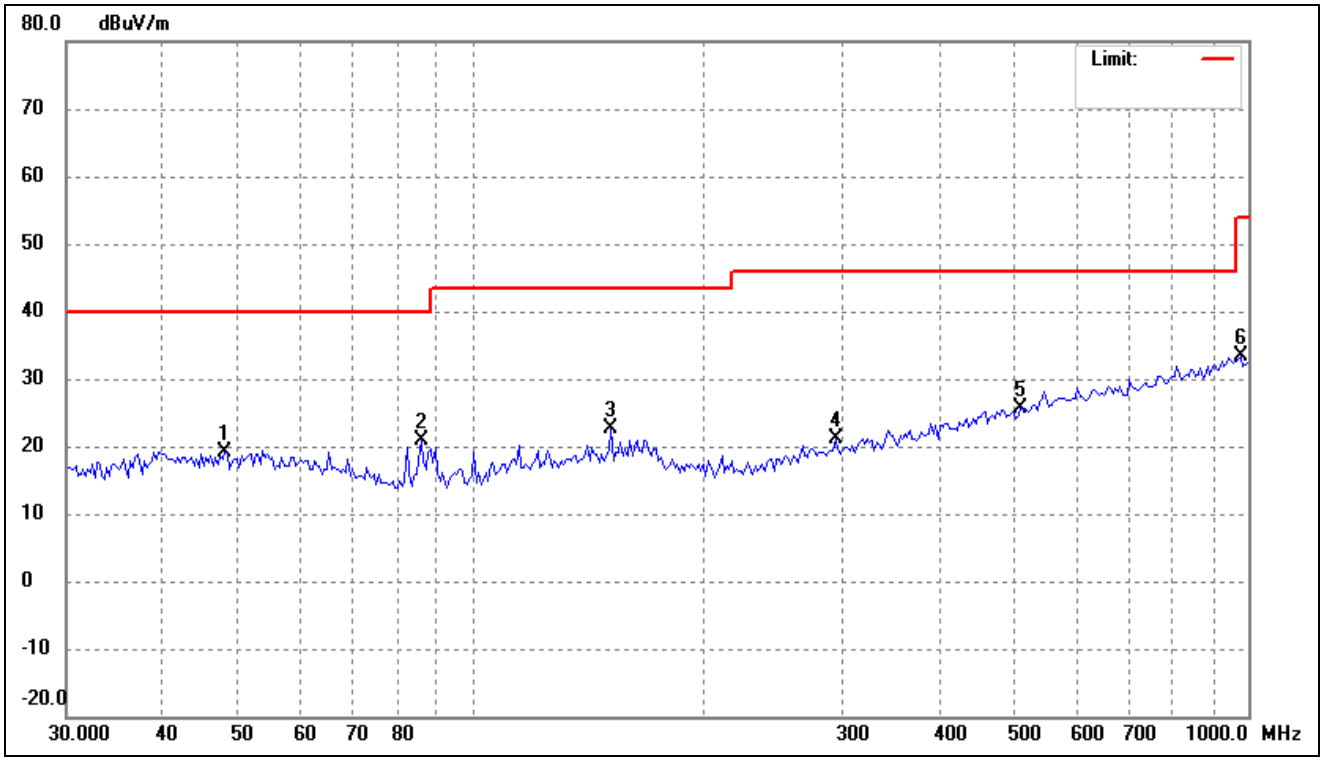
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	89.7866	35.26	-13.10	22.16	43.50	-21.34	-	-	peak
2	151.0252	31.87	-8.61	23.26	43.50	-20.24	-	-	peak
3	175.0404	29.74	-9.61	20.13	43.50	-23.37	-	-	peak
4	264.9709	29.80	-9.55	20.25	46.00	-25.75	-	-	peak
5	512.9478	29.55	-3.70	25.85	46.00	-20.15	-	-	peak
6	945.3336	31.19	2.15	33.34	46.00	-12.66	-	-	peak

802.11ac-VHT20			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



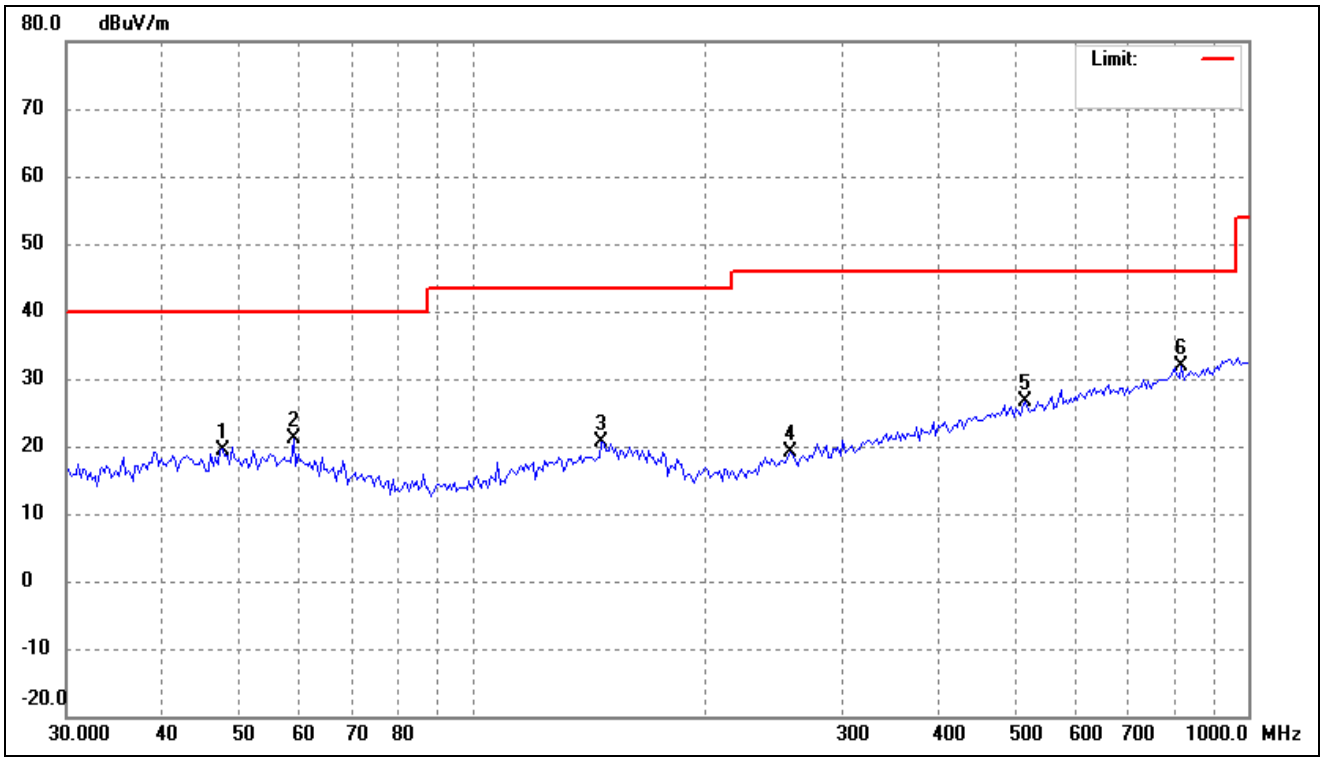
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.7406	28.68	-8.47	20.21	40.00	-19.79	-	-	peak
2	70.2096	27.90	-10.81	17.09	40.00	-22.91	-	-	peak
3	165.4716	29.79	-8.76	21.03	43.50	-22.47	-	-	peak
4	284.2607	29.49	-8.79	20.70	46.00	-25.30	-	-	peak
5	458.3987	30.31	-4.47	25.84	46.00	-20.16	-	-	peak
6	958.7135	31.56	2.26	33.82	46.00	-12.18	-	-	peak

802.11ac-VHT20			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



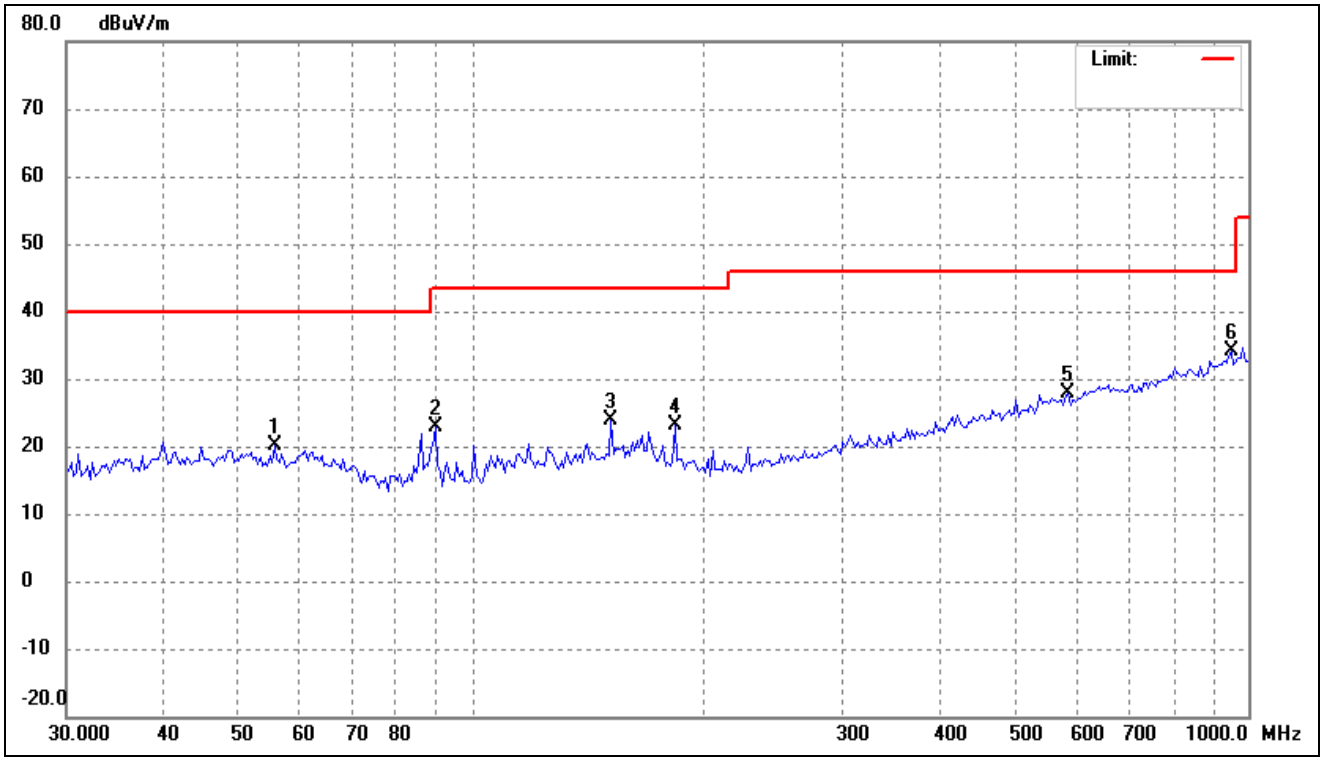
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.0392	27.42	-8.23	19.19	40.00	-20.81	-	-	peak
2	86.0796	33.96	-13.04	20.92	40.00	-19.08	-	-	peak
3	151.0252	31.35	-8.61	22.74	43.50	-20.76	-	-	peak
4	294.4260	29.54	-8.45	21.09	46.00	-24.91	-	-	peak
5	509.3559	29.34	-3.76	25.58	46.00	-20.42	-	-	peak
6	979.1392	30.98	2.28	33.26	54.00	-20.74	-	-	peak

802.11ac-VHT40			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



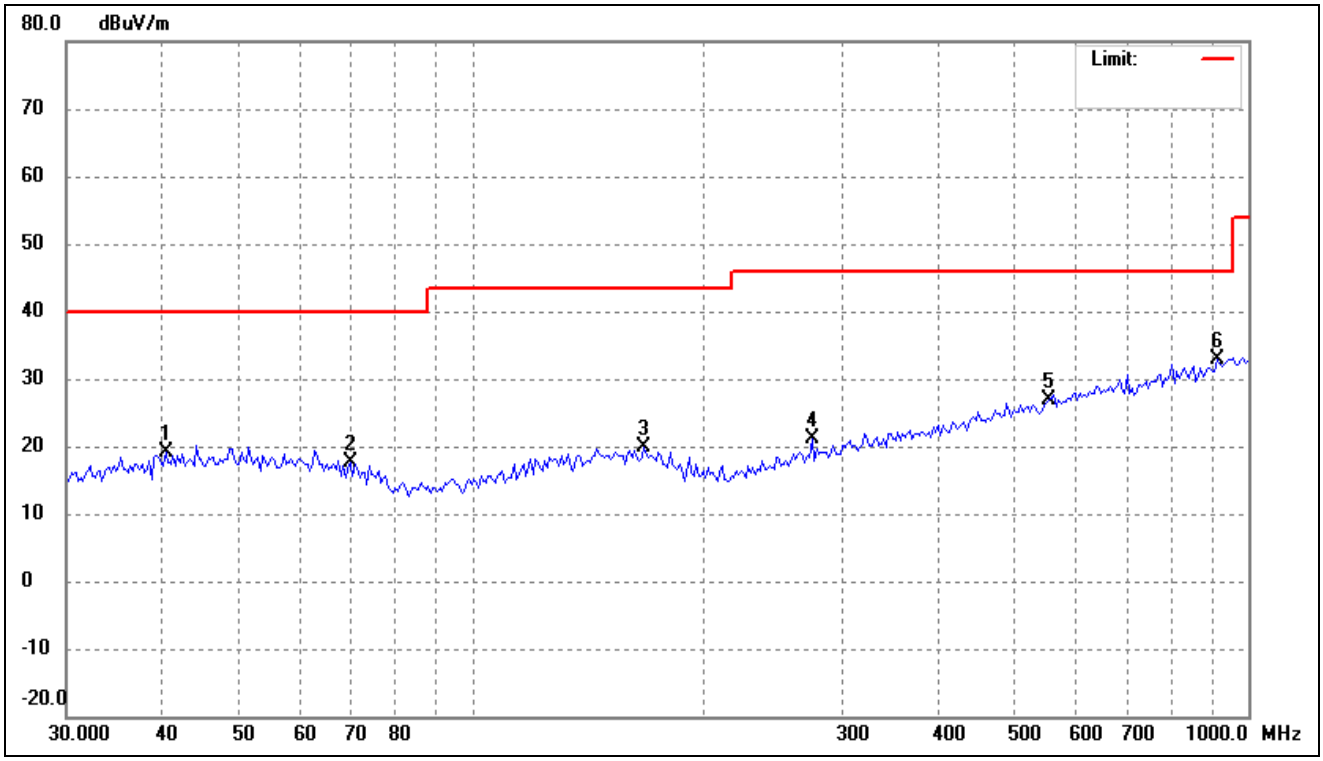
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.3688	27.75	-8.29	19.46	40.00	-20.54	-	-	peak
2	58.8979	29.93	-8.87	21.06	40.00	-18.94	-	-	peak
3	146.8392	29.54	-8.85	20.69	43.50	-22.81	-	-	peak
4	257.6266	28.89	-9.87	19.02	46.00	-26.98	-	-	peak
5	516.5651	30.21	-3.65	26.56	46.00	-19.44	-	-	peak
6	821.3871	31.32	0.49	31.81	46.00	-14.19	-	-	peak

802.11ac-VHT40			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



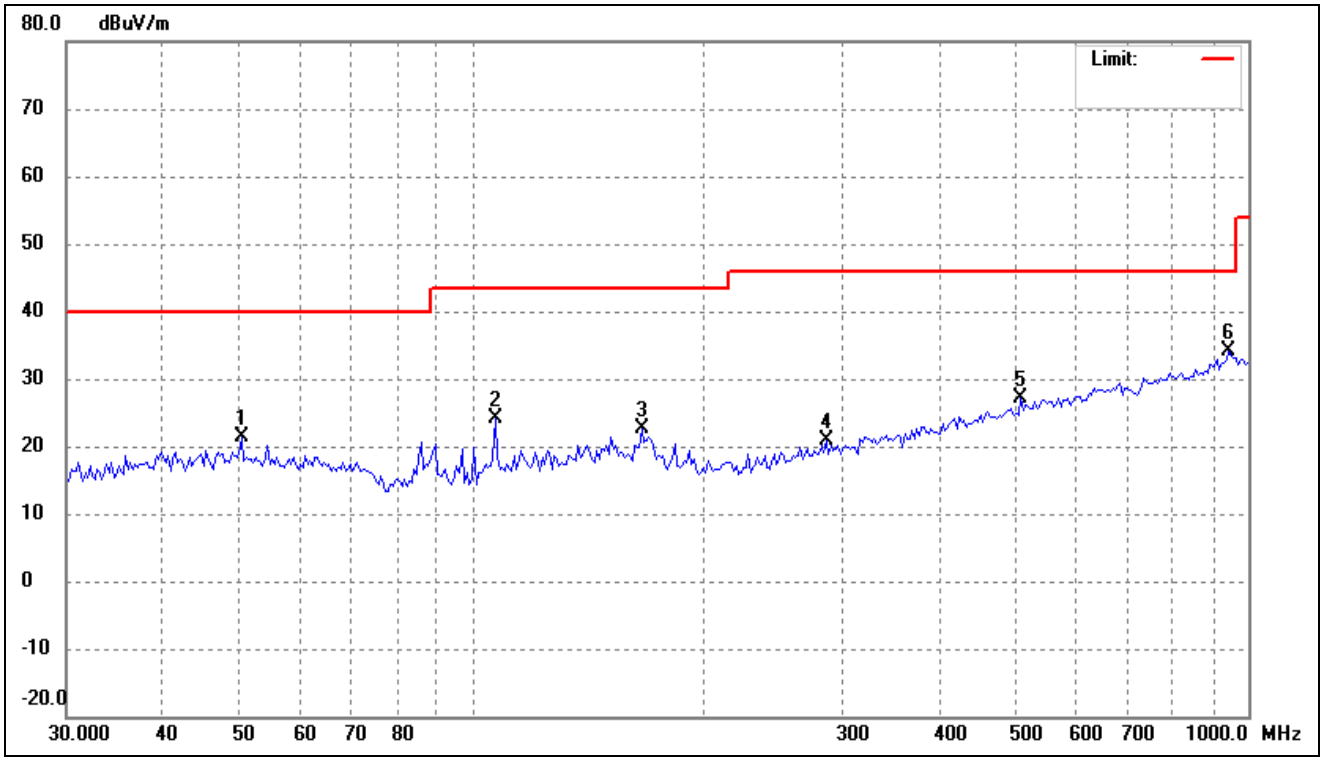
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	55.6782	28.84	-8.67	20.17	40.00	-19.83	-	-	peak
2	89.7866	36.01	-13.10	22.91	43.50	-20.59	-	-	peak
3	151.0252	32.58	-8.61	23.97	43.50	-19.53	-	-	peak
4	182.5785	33.69	-10.60	23.09	43.50	-20.41	-	-	peak
5	586.2172	29.84	-2.03	27.81	46.00	-18.19	-	-	peak
6	952.0001	32.00	2.25	34.25	46.00	-11.75	-	-	peak

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



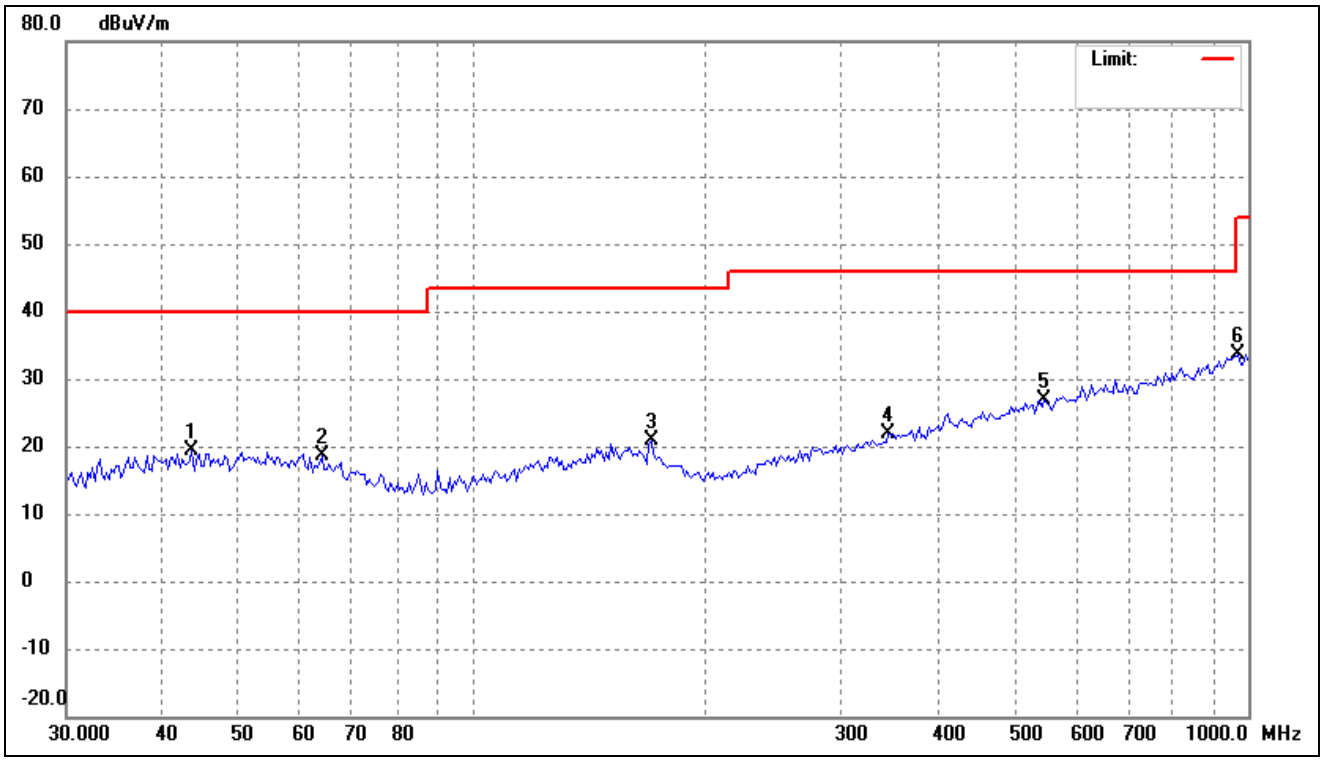
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	27.60	-8.48	19.12	40.00	-20.88	-	-	peak
2	69.7179	28.45	-10.71	17.74	40.00	-22.26	-	-	peak
3	166.6385	28.67	-8.79	19.88	43.50	-23.62	-	-	peak
4	274.4464	30.16	-9.13	21.03	46.00	-24.97	-	-	peak
5	554.1708	29.55	-2.75	26.80	46.00	-19.20	-	-	peak
6	912.6953	31.52	1.46	32.98	46.00	-13.02	-	-	peak

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



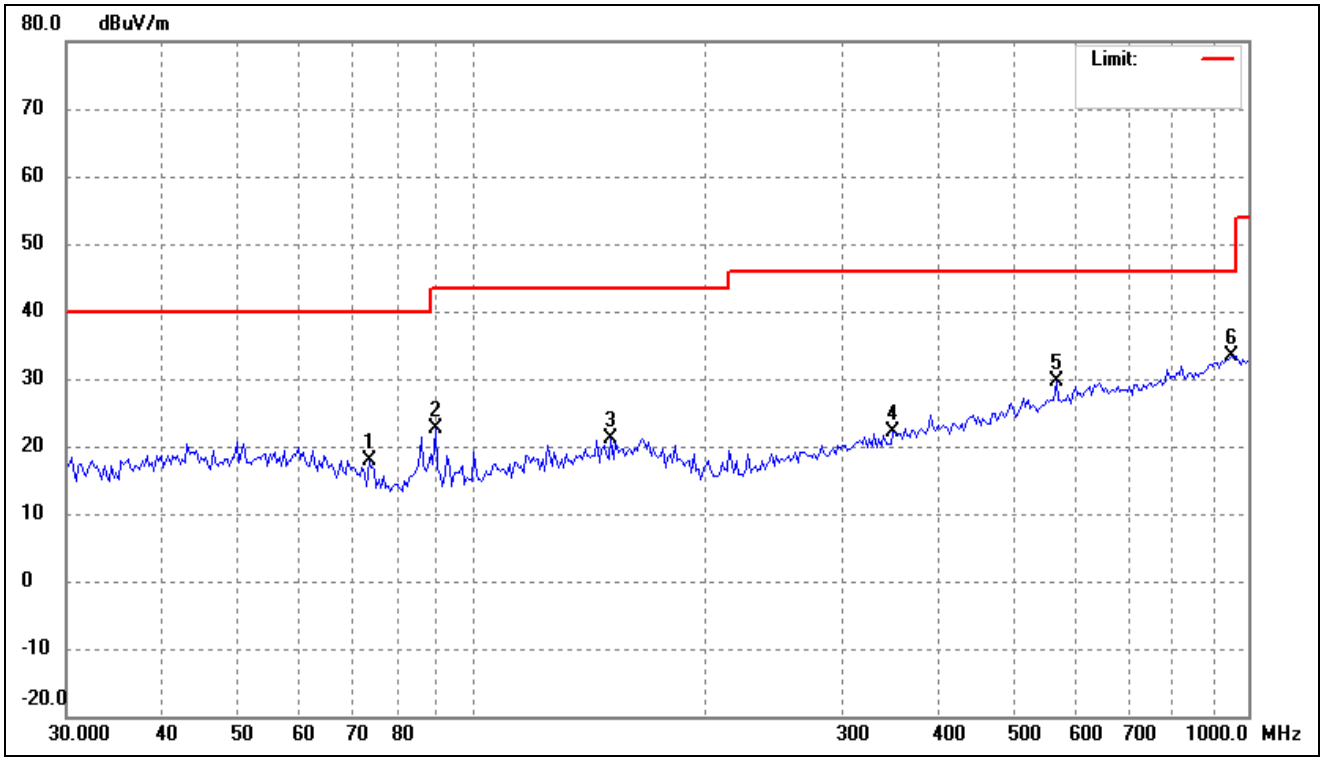
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.4614	29.60	-8.14	21.46	40.00	-18.54	-	-	peak
2	107.0306	36.01	-11.85	24.16	43.50	-19.34	-	-	peak
3	165.4716	31.31	-8.76	22.55	43.50	-20.95	-	-	peak
4	286.2653	29.54	-8.72	20.82	46.00	-25.18	-	-	peak
5	509.3559	30.92	-3.76	27.16	46.00	-18.84	-	-	peak
6	945.3336	32.07	2.15	34.22	46.00	-11.78	-	-	peak

802.11ac-VHT160			
Test Channel	5570MHz(worst case)	Polarity:	Horizontal



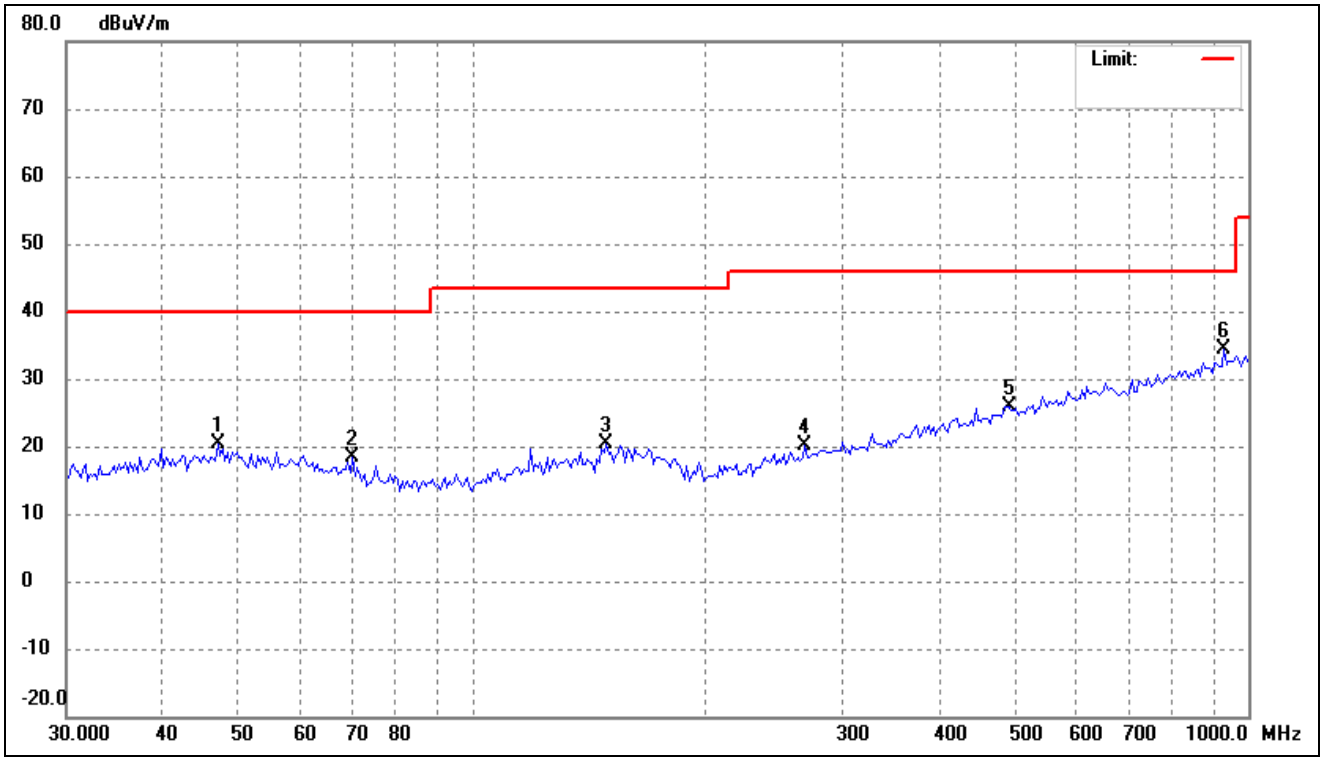
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.5381	27.76	-8.47	19.29	40.00	-20.71	-	-	peak
2	64.0800	28.25	-9.68	18.57	40.00	-21.43	-	-	peak
3	170.1888	29.79	-8.91	20.88	43.50	-22.62	-	-	peak
4	343.6506	29.11	-7.22	21.89	46.00	-24.11	-	-	peak
5	546.4368	29.88	-2.94	26.94	46.00	-19.06	-	-	peak
6	972.2827	31.41	2.27	33.68	54.00	-20.32	-	-	peak

802.11ac-VHT160			
Test Channel	5570MHz(worst case)	Polarity:	Vertical



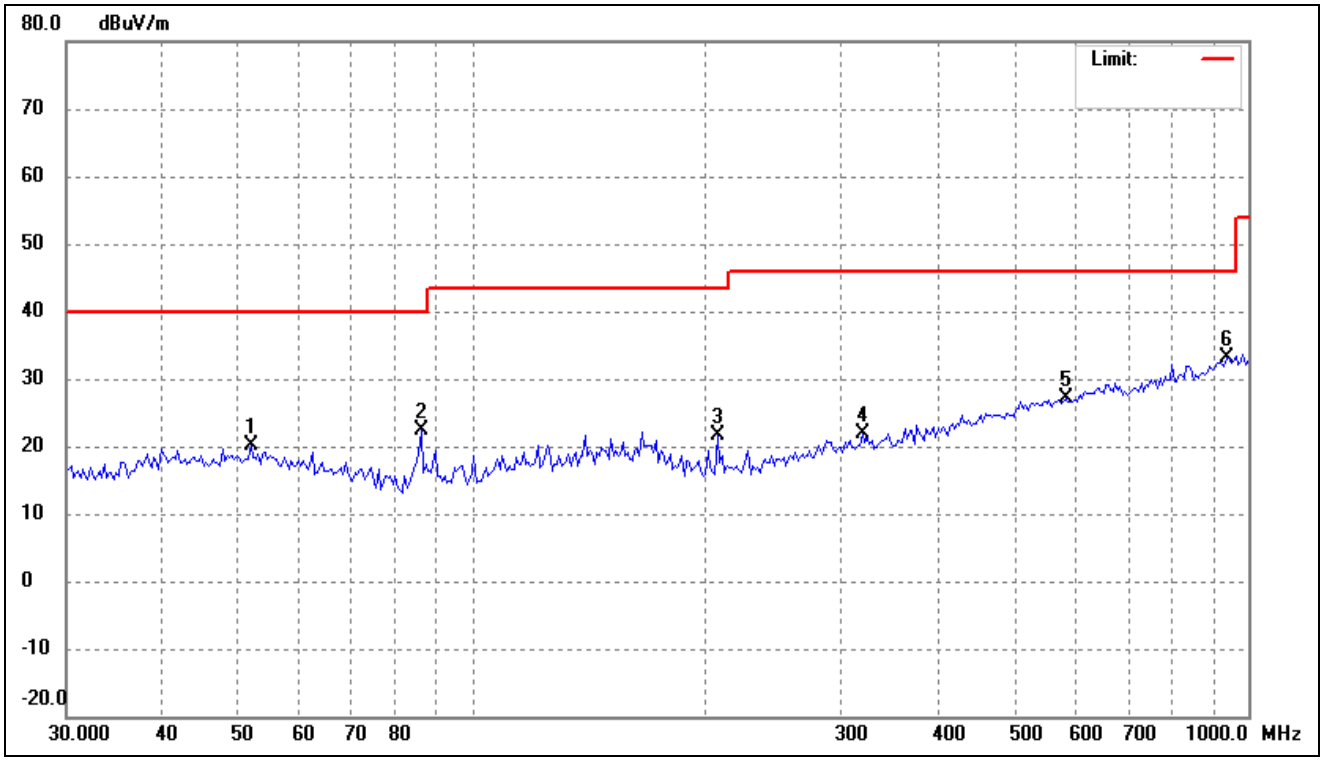
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	73.7496	29.58	-11.59	17.99	40.00	-22.01	-	-	peak
2	89.7866	35.78	-13.10	22.68	43.50	-20.82	-	-	peak
3	151.0252	29.83	-8.61	21.22	43.50	-22.28	-	-	peak
4	348.5145	29.24	-7.14	22.10	46.00	-23.90	-	-	peak
5	565.9776	32.04	-2.47	29.57	46.00	-16.43	-	-	peak
6	952.0001	31.22	2.25	33.47	46.00	-12.53	-	-	peak

802.11ax-HE20			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



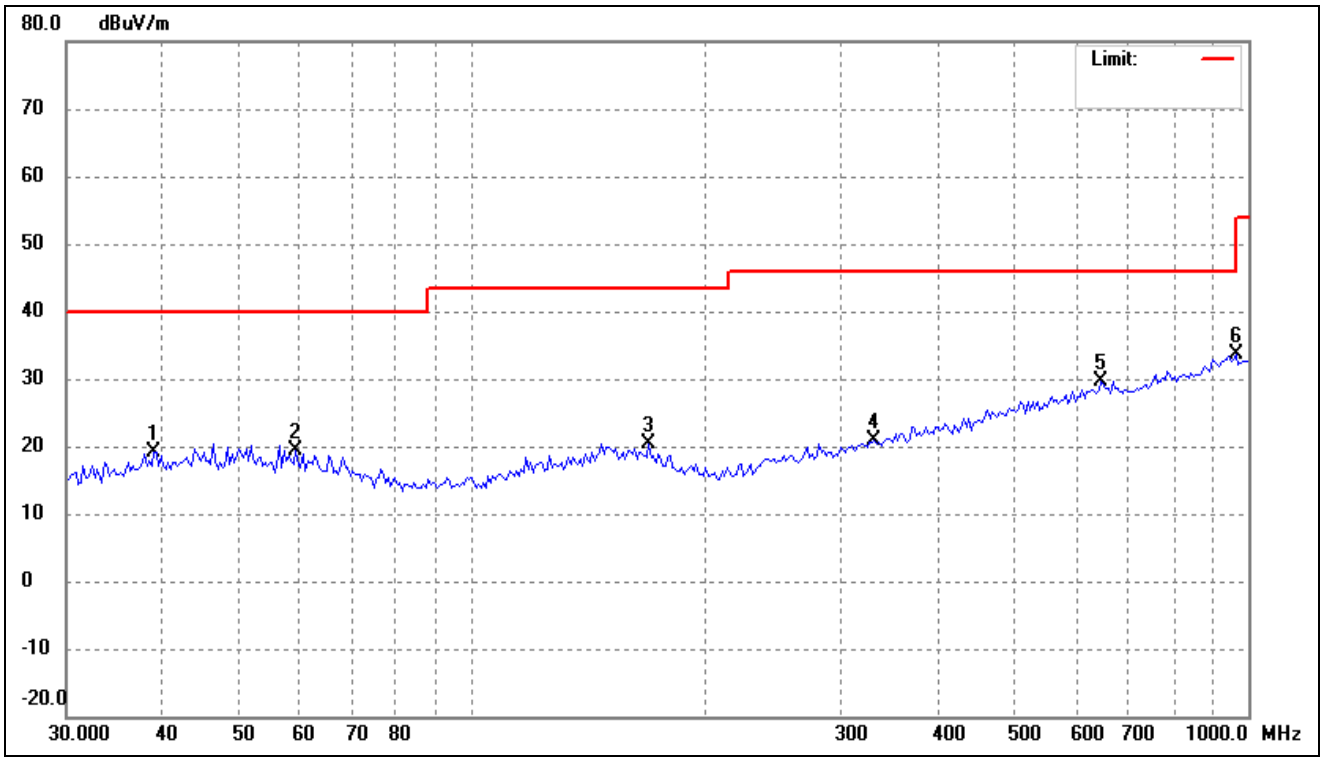
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.0371	28.69	-8.32	20.37	40.00	-19.63	-	-	peak
2	70.2096	29.10	-10.81	18.29	40.00	-21.71	-	-	peak
3	148.9175	29.04	-8.68	20.36	43.50	-23.14	-	-	peak
4	268.7212	29.47	-9.39	20.08	46.00	-25.92	-	-	peak
5	491.7700	29.89	-4.01	25.88	46.00	-20.12	-	-	peak
6	932.1405	32.62	1.87	34.49	46.00	-11.51	-	-	peak

802.11ax-HE20			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



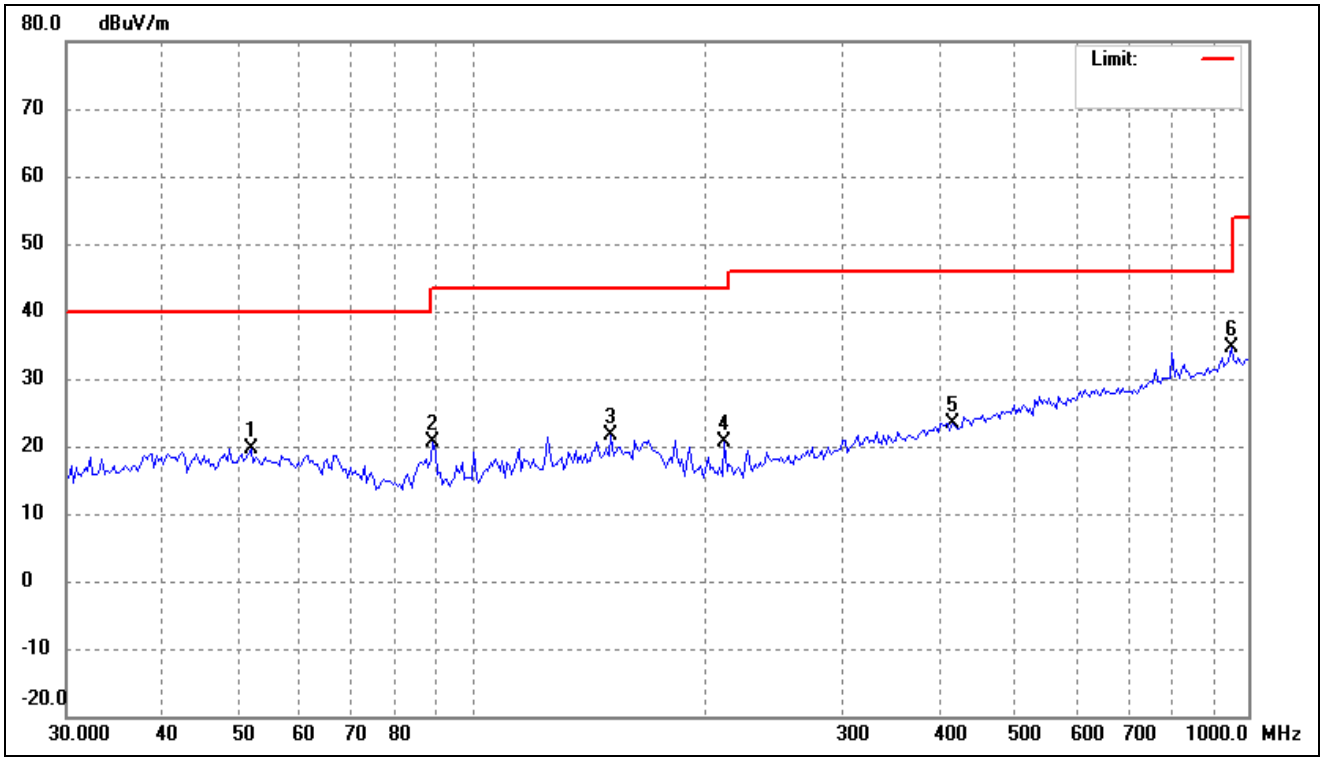
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	28.40	-8.29	20.11	40.00	-19.89	-	-	peak
2	86.0796	35.36	-13.04	22.32	40.00	-17.68	-	-	peak
3	207.1968	33.80	-12.13	21.67	43.50	-21.83	-	-	peak
4	318.0875	29.60	-7.75	21.85	46.00	-24.15	-	-	peak
5	582.1122	29.18	-2.11	27.07	46.00	-18.93	-	-	peak
6	938.7139	31.03	2.01	33.04	46.00	-12.96	-	-	peak

802.11ax-HE40			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



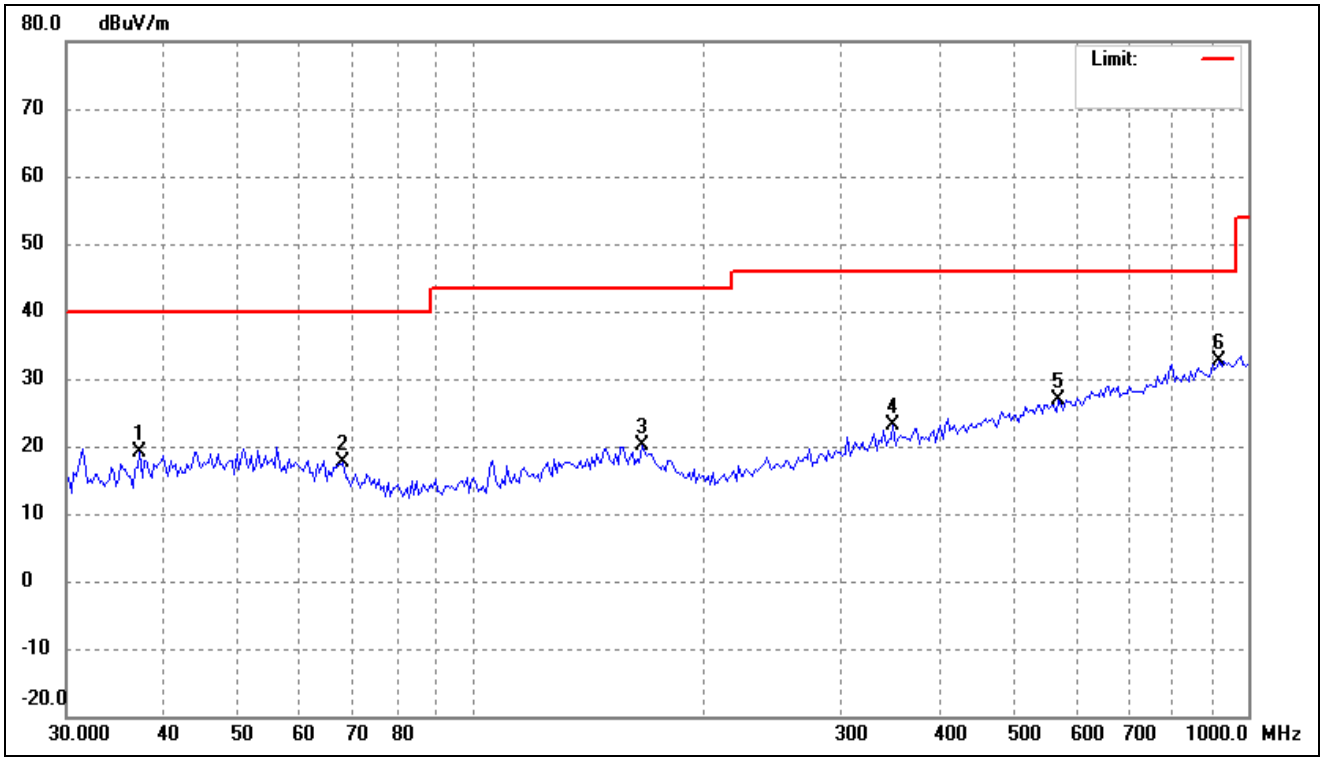
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.9081	27.84	-8.72	19.12	40.00	-20.88	-	-	peak
2	59.3133	28.33	-8.90	19.43	40.00	-20.57	-	-	peak
3	168.9970	29.14	-8.85	20.29	43.50	-23.21	-	-	peak
4	329.4625	28.39	-7.47	20.92	46.00	-25.08	-	-	peak
5	646.8217	30.96	-1.32	29.64	46.00	-16.36	-	-	peak
6	965.4742	31.48	2.27	33.75	54.00	-20.25	-	-	peak

802.11ax-HE40			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



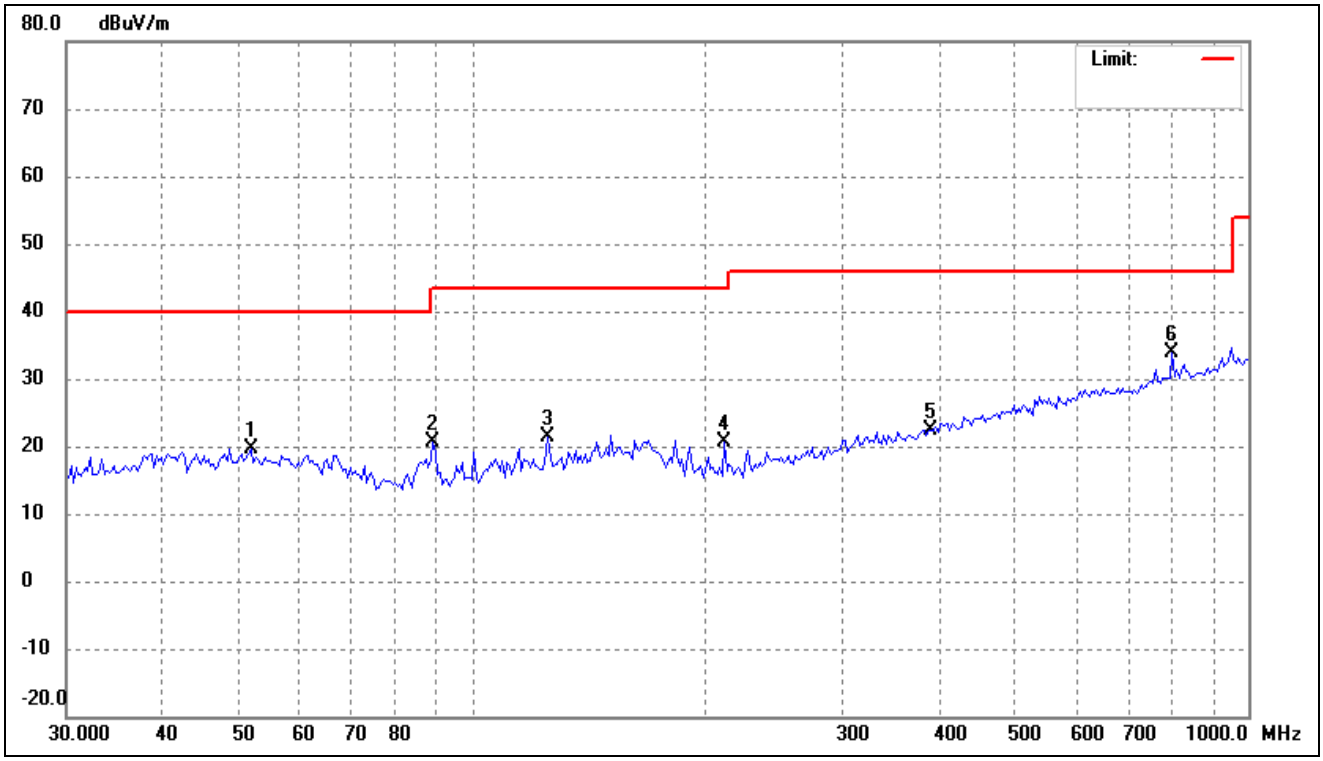
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	27.86	-8.29	19.57	40.00	-20.43	-	-	peak
2	89.1579	33.60	-13.09	20.51	43.50	-22.99	-	-	peak
3	151.0252	30.26	-8.61	21.65	43.50	-21.85	-	-	peak
4	211.6112	32.83	-12.16	20.67	43.50	-22.83	-	-	peak
5	415.4486	28.98	-5.54	23.44	46.00	-22.56	-	-	peak
6	952.0001	32.42	2.25	34.67	46.00	-11.33	-	-	peak

802.11ax-HE80			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



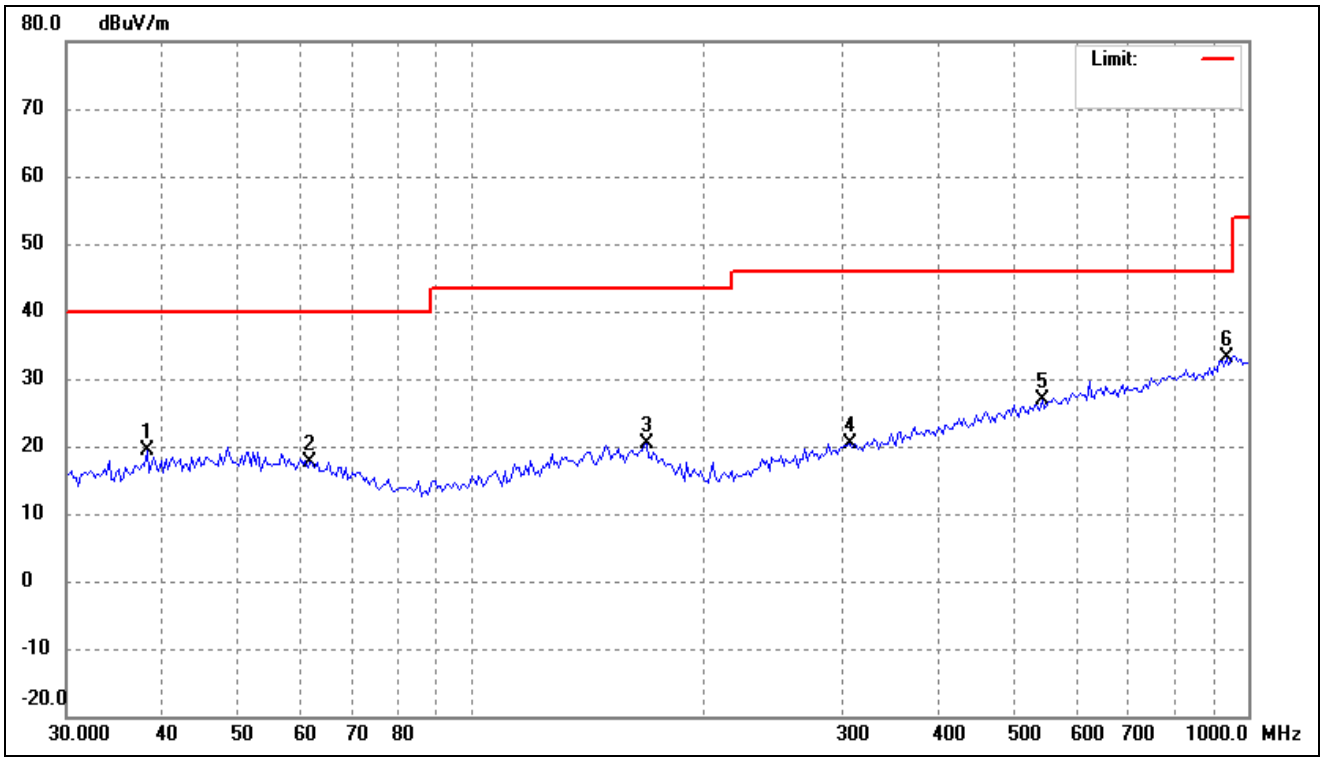
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	37.3017	28.28	-9.06	19.22	40.00	-20.78	-	-	peak
2	68.2636	28.11	-10.45	17.66	40.00	-22.34	-	-	peak
3	165.4716	28.81	-8.76	20.05	43.50	-23.45	-	-	peak
4	348.5145	30.25	-7.14	23.11	46.00	-22.89	-	-	peak
5	569.9688	29.30	-2.36	26.94	46.00	-19.06	-	-	peak
6	919.1315	31.04	1.59	32.63	46.00	-13.37	-	-	peak

802.11ax-HE80			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



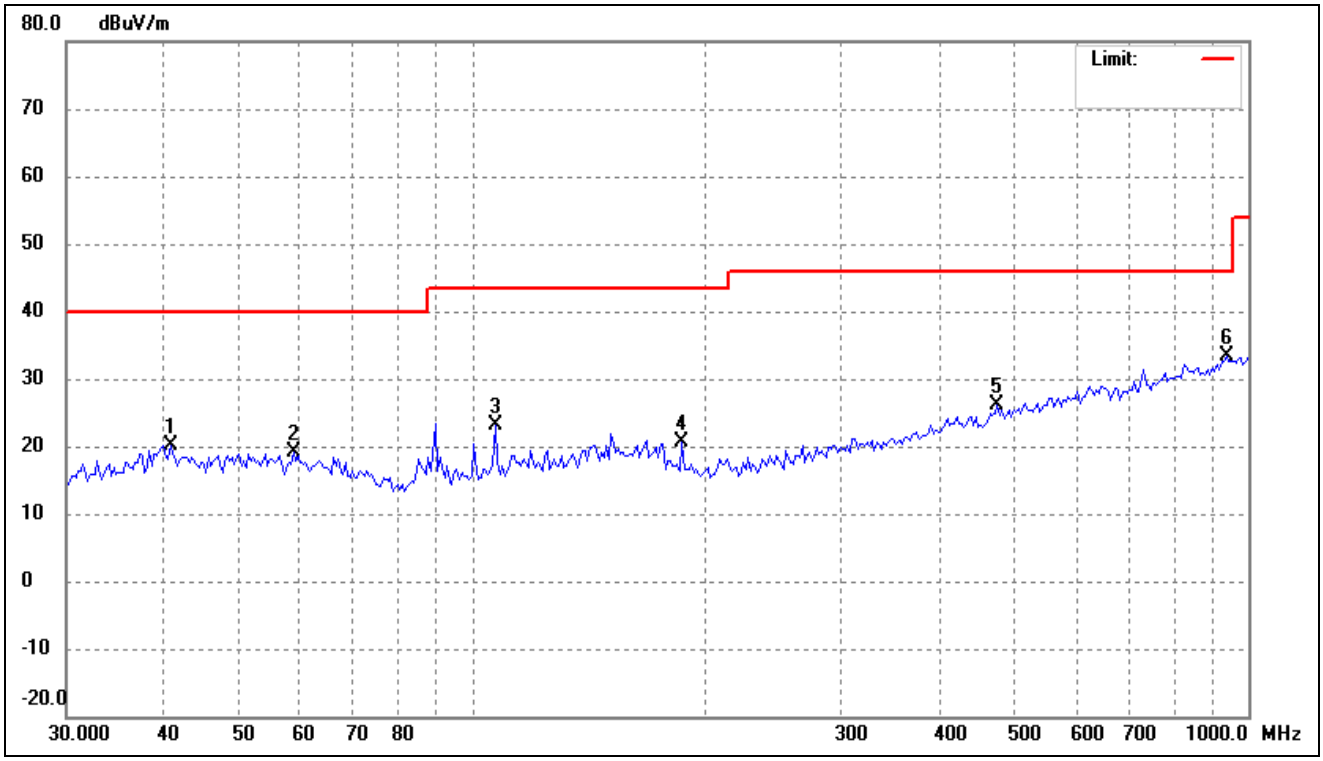
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.8999	27.86	-8.29	19.57	40.00	-20.43	-	-	peak
2	89.1579	33.60	-13.09	20.51	43.50	-22.99	-	-	peak
3	124.9249	31.50	-10.19	21.31	43.50	-22.19	-	-	peak
4	211.6112	32.83	-12.16	20.67	43.50	-22.83	-	-	peak
5	389.9874	28.64	-6.16	22.48	46.00	-23.52	-	-	peak
6	798.6205	33.50	0.29	33.79	46.00	-12.21	-	-	peak

802.11ax-HE160			
Test Channel	5570MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.0965	28.23	-8.89	19.34	40.00	-20.66	-	-	peak
2	61.8676	27.01	-9.28	17.73	40.00	-22.27	-	-	peak
3	167.8136	29.10	-8.82	20.28	43.50	-23.22	-	-	peak
4	307.1053	28.45	-8.06	20.39	46.00	-25.61	-	-	peak
5	542.6104	29.99	-3.05	26.94	46.00	-19.06	-	-	peak
6	938.7139	31.12	2.01	33.13	46.00	-12.87	-	-	peak

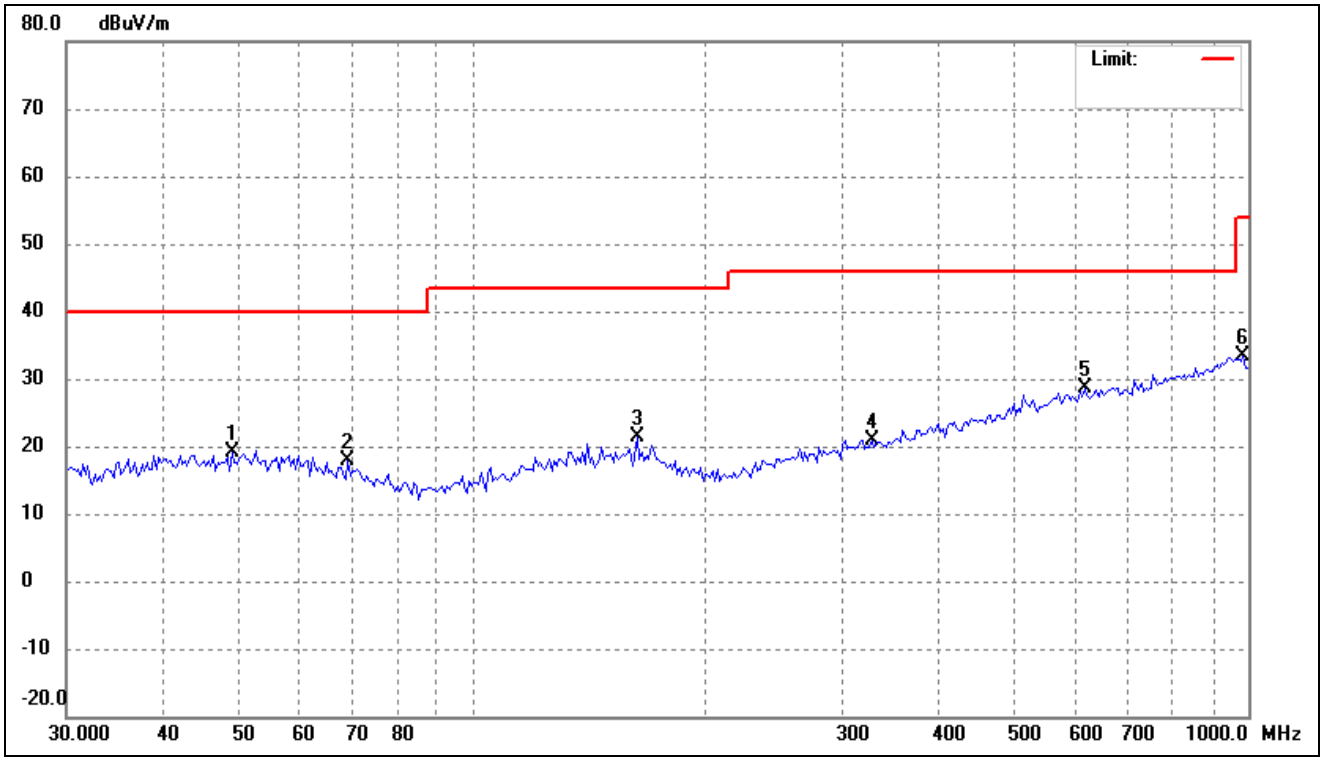
802.11ax-HE160			
Test Channel	5570MHz(worst case)	Polarity:	Vertical



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8699	28.66	-8.47	20.19	40.00	-19.81	-	-	peak
2	58.8979	27.88	-8.87	19.01	40.00	-20.99	-	-	peak
3	107.0306	34.90	-11.85	23.05	43.50	-20.45	-	-	peak
4	186.4684	31.78	-11.03	20.75	43.50	-22.75	-	-	peak
5	474.7913	30.45	-4.24	26.21	46.00	-19.79	-	-	peak
6	938.7139	31.48	2.01	33.49	46.00	-12.51	-	-	peak

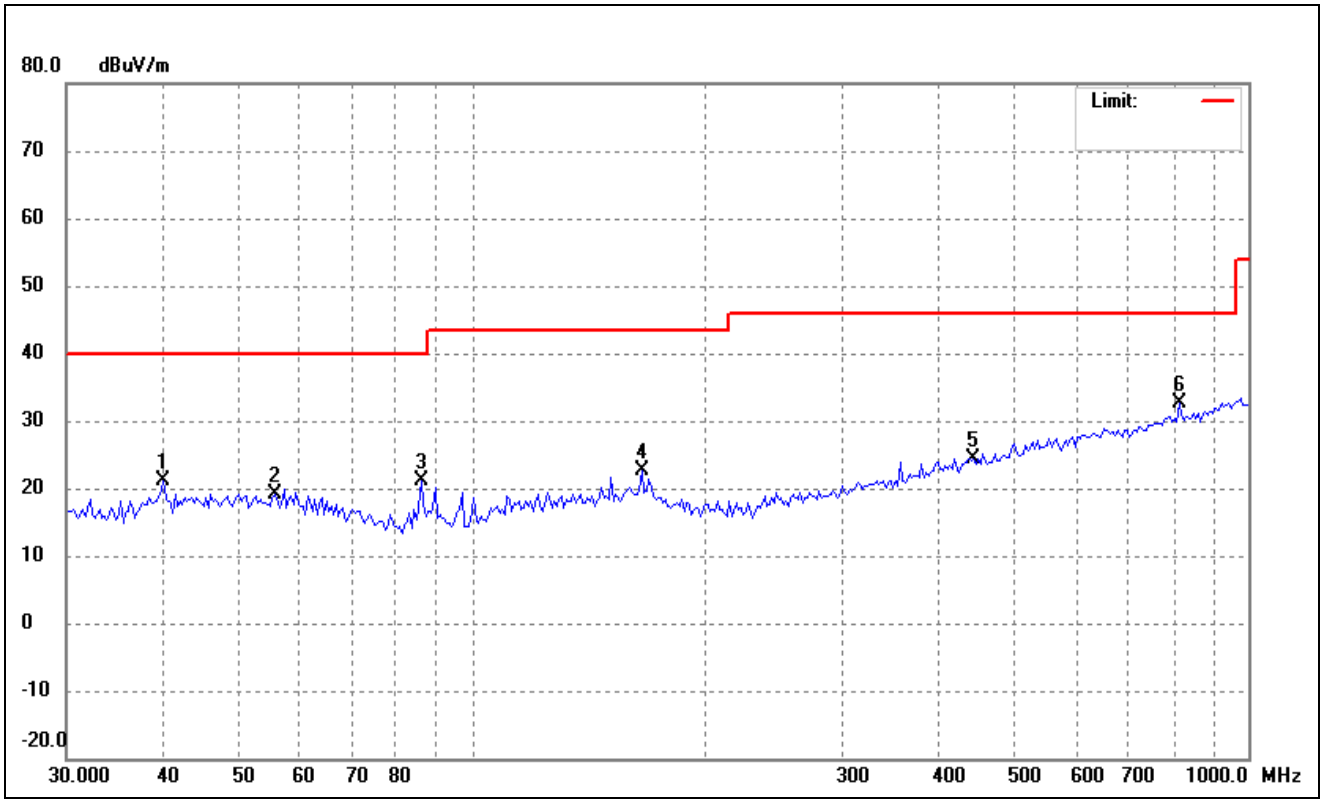
5725-5850MHz

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



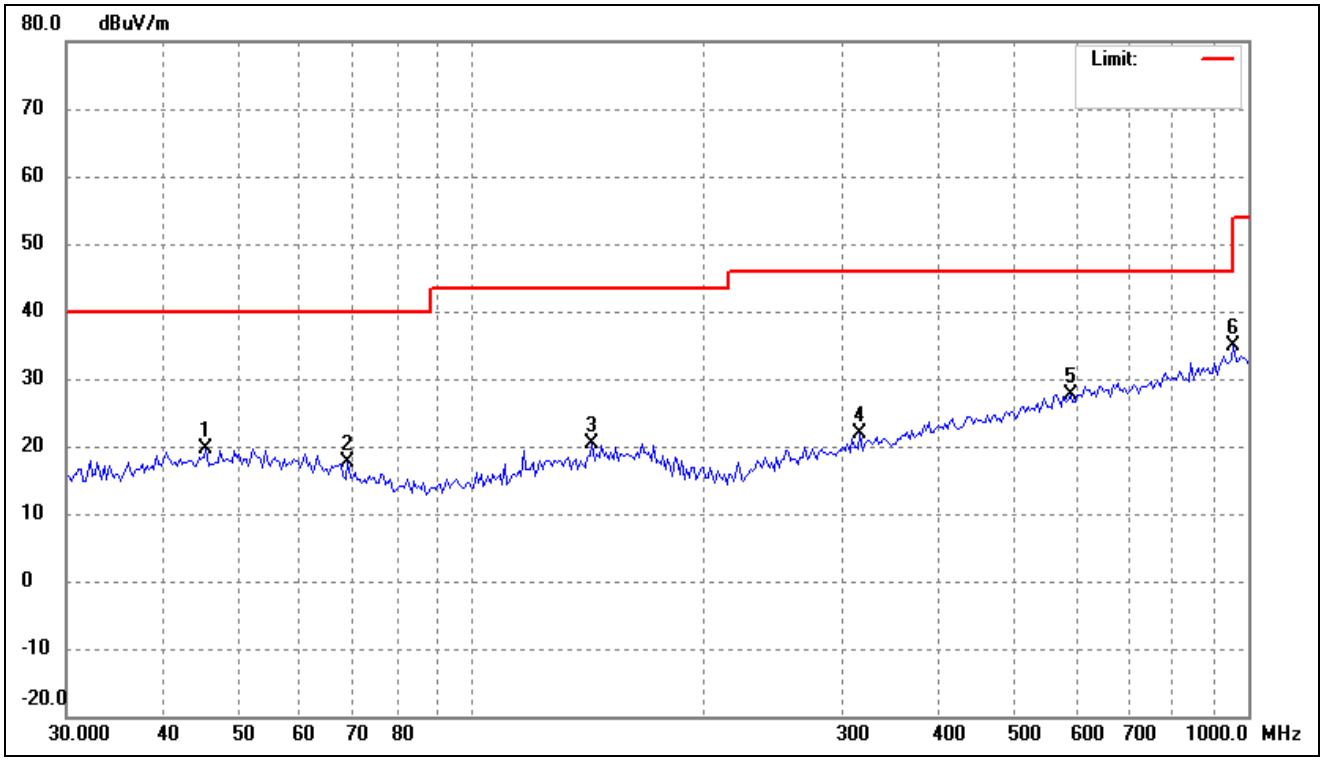
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.0627	27.26	-8.15	19.11	40.00	-20.89	-	-	peak
2	69.2297	28.51	-10.63	17.88	40.00	-22.12	-	-	peak
3	163.1623	30.15	-8.70	21.45	43.50	-22.05	-	-	peak
4	327.1554	28.51	-7.51	21.00	46.00	-25.00	-	-	peak
5	615.7743	30.25	-1.53	28.72	46.00	-17.28	-	-	peak
6	986.0440	31.00	2.28	33.28	54.00	-20.72	-	-	peak

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



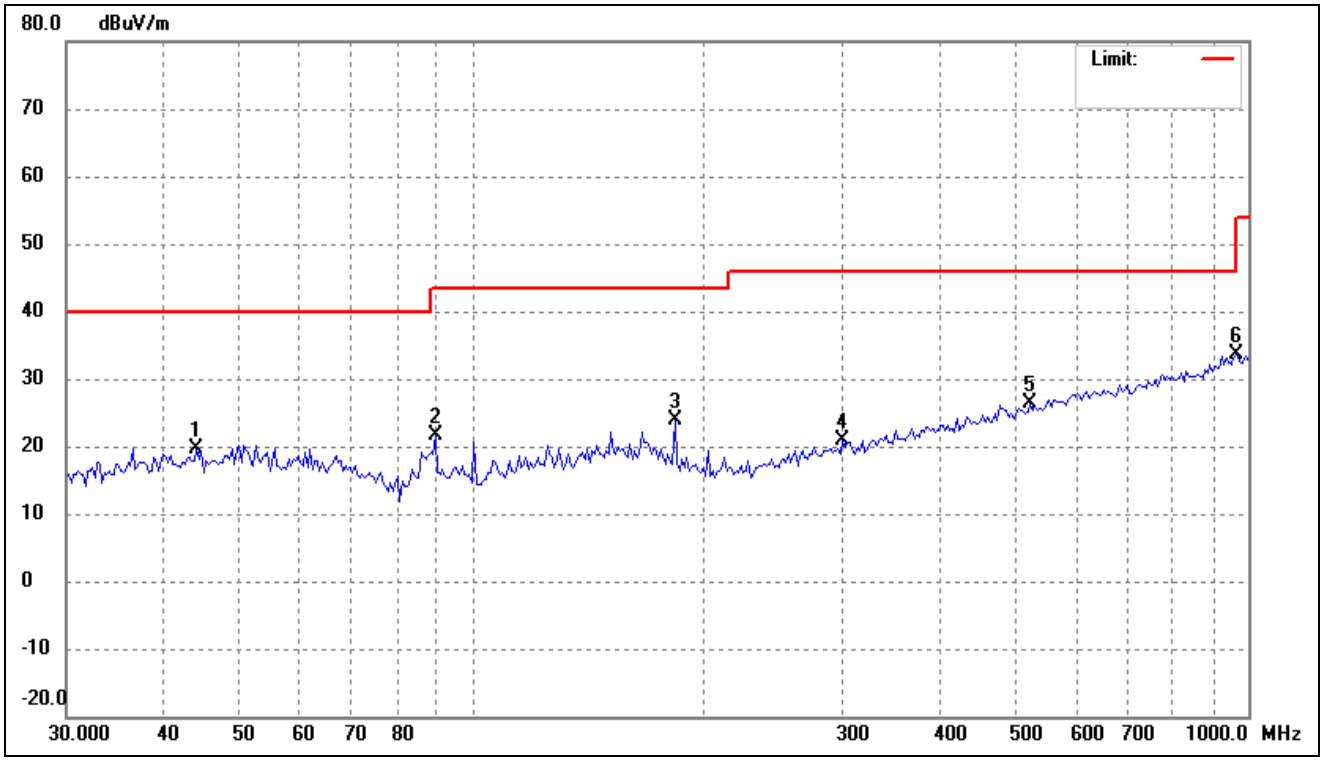
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.0173	29.71	-8.47	21.24	40.00	-18.76	-	-	peak
2	55.6782	27.91	-8.67	19.24	40.00	-20.76	-	-	peak
3	86.0796	34.12	-13.04	21.08	40.00	-18.92	-	-	peak
4	165.4716	31.35	-8.76	22.59	43.50	-20.91	-	-	peak
5	442.5722	29.15	-4.79	24.36	46.00	-21.64	-	-	peak
6	815.6353	32.12	0.44	32.56	46.00	-13.44	-	-	peak

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



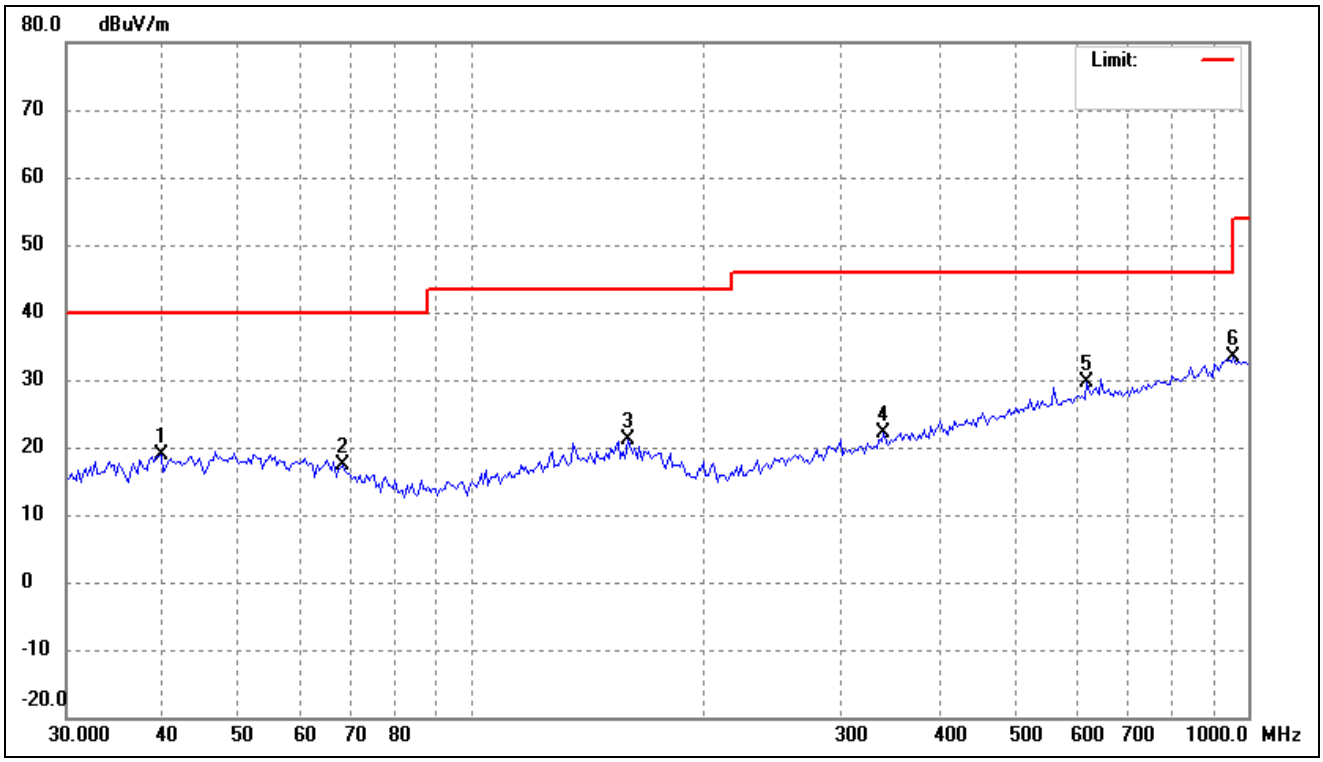
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.4131	27.96	-8.43	19.53	40.00	-20.47	-	-	peak
2	69.2297	28.26	-10.63	17.63	40.00	-22.37	-	-	peak
3	142.7692	29.53	-9.20	20.33	43.50	-23.17	-	-	peak
4	315.8601	29.68	-7.81	21.87	46.00	-24.13	-	-	peak
5	590.3511	29.52	-1.94	27.58	46.00	-18.42	-	-	peak
6	958.7135	32.60	2.26	34.86	46.00	-11.14	-	-	peak

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



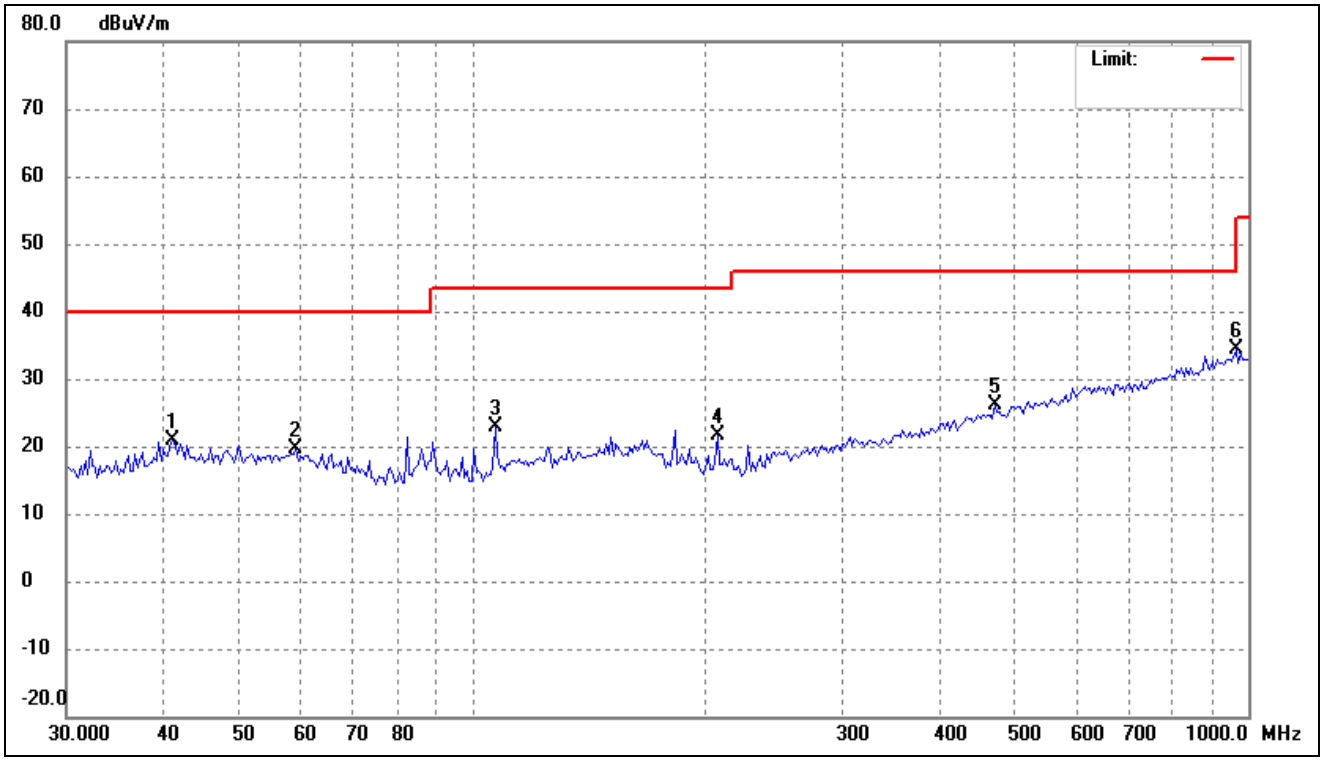
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	44.1544	28.21	-8.47	19.74	40.00	-20.26	-	-	peak
2	89.7866	34.77	-13.10	21.67	43.50	-21.83	-	-	peak
3	182.5785	34.46	-10.60	23.86	43.50	-19.64	-	-	peak
4	300.6988	29.15	-8.24	20.91	46.00	-25.09	-	-	peak
5	523.8763	29.85	-3.53	26.32	46.00	-19.68	-	-	peak
6	965.4742	31.25	2.27	33.52	54.00	-20.48	-	-	peak

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



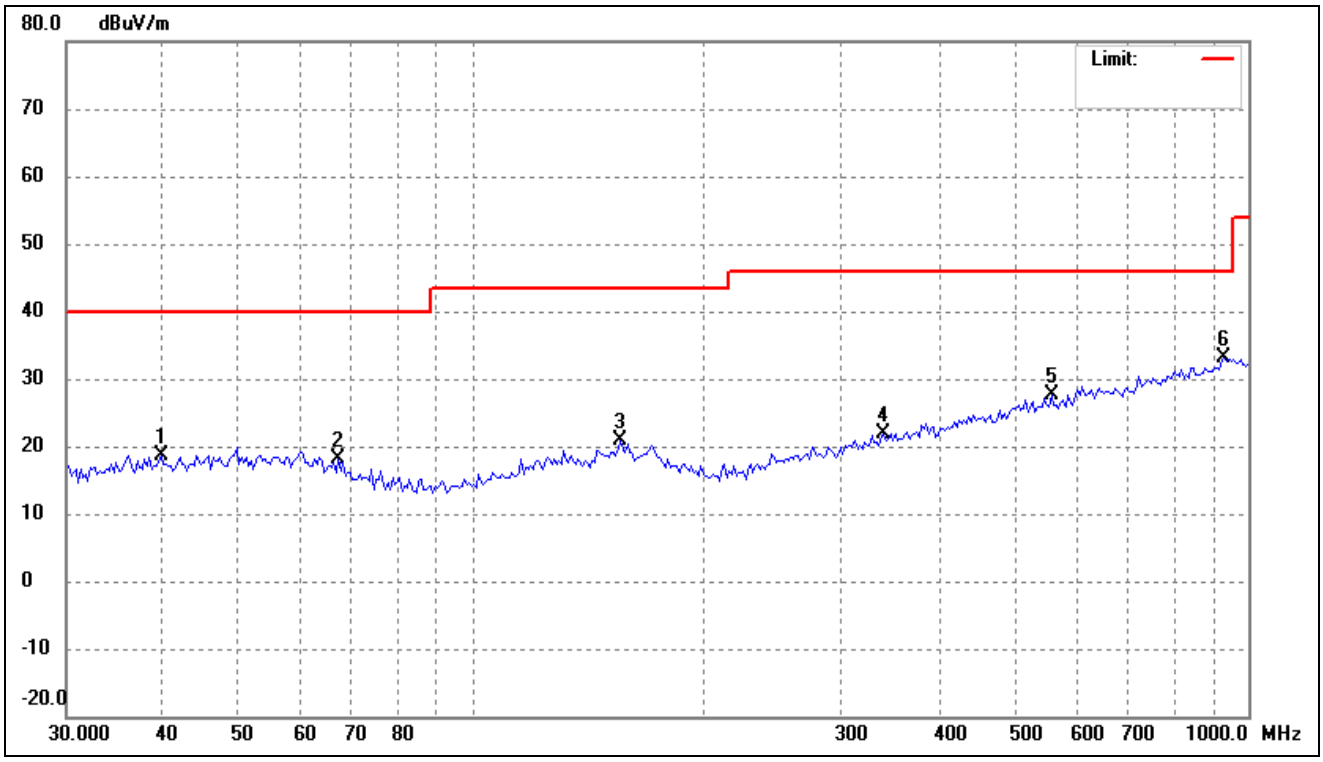
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.7371	27.41	-8.54	18.87	40.00	-21.13	-	-	peak
2	68.2636	27.71	-10.45	17.26	40.00	-22.74	-	-	peak
3	158.6399	29.62	-8.61	21.01	43.50	-22.49	-	-	peak
4	338.8546	29.49	-7.31	22.18	46.00	-23.82	-	-	peak
5	620.1167	30.99	-1.46	29.53	46.00	-16.47	-	-	peak
6	958.7135	31.11	2.26	33.37	46.00	-12.63	-	-	peak

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



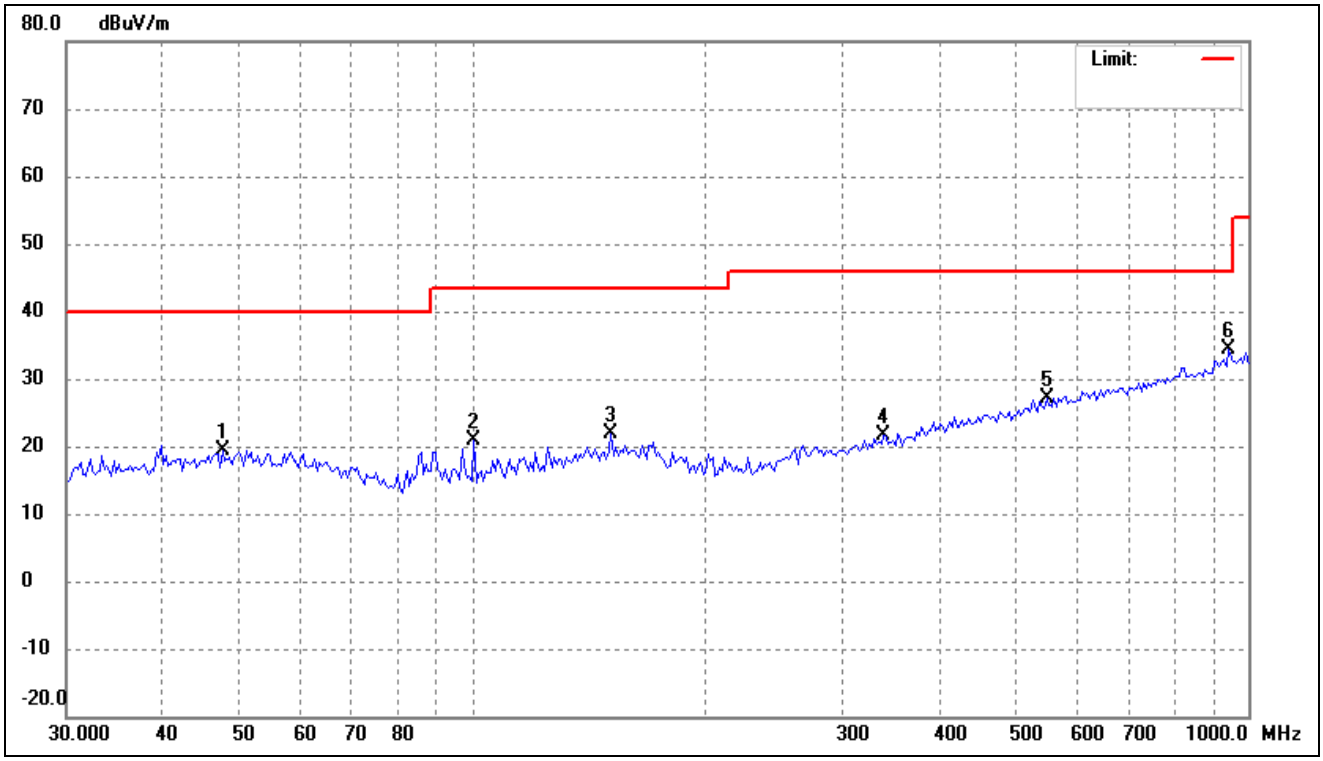
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.1581	29.44	-8.48	20.96	40.00	-19.04	-	-	peak
2	59.3133	28.60	-8.90	19.70	40.00	-20.30	-	-	peak
3	107.0306	34.77	-11.85	22.92	43.50	-20.58	-	-	peak
4	207.1968	33.85	-12.13	21.72	43.50	-21.78	-	-	peak
5	471.4665	30.51	-4.29	26.22	46.00	-19.78	-	-	peak
6	965.4742	32.03	2.27	34.30	54.00	-19.70	-	-	peak

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



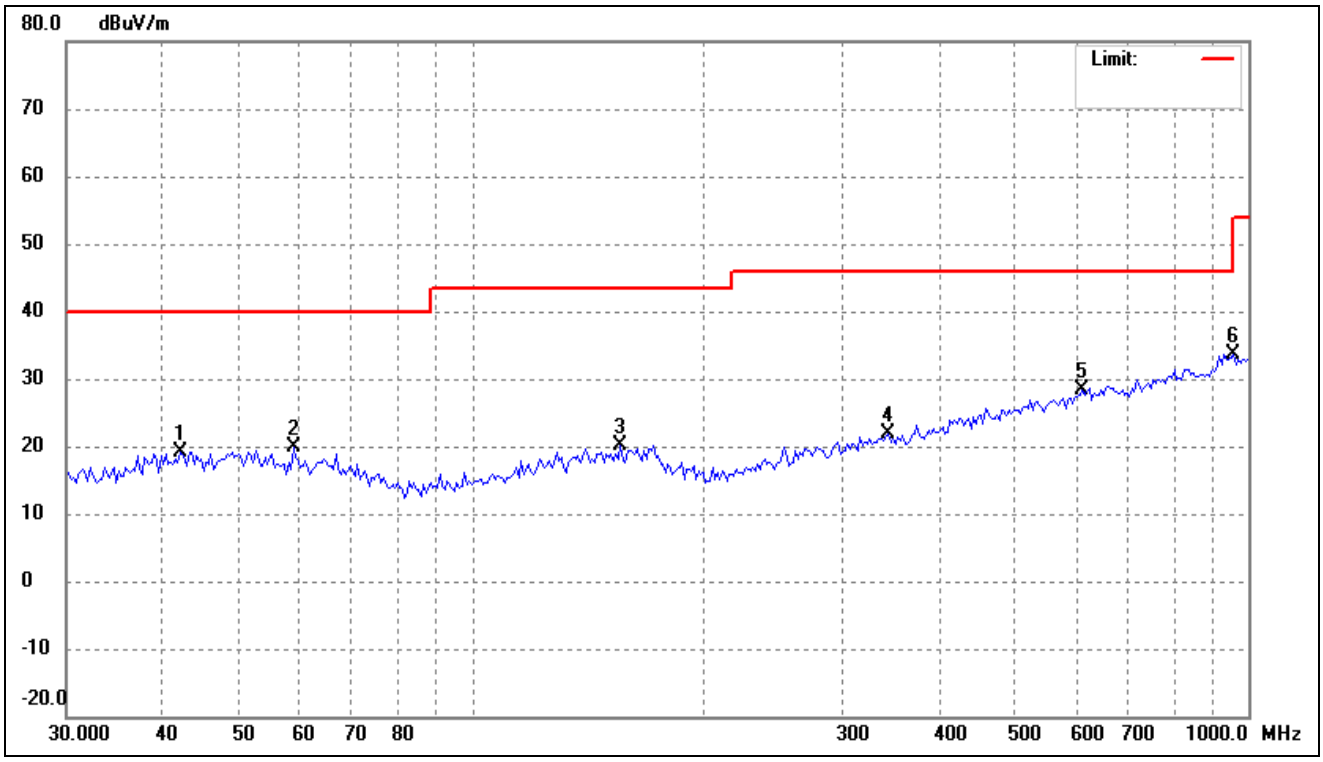
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.7371	27.19	-8.54	18.65	40.00	-21.35	-	-	peak
2	67.3109	28.50	-10.27	18.23	40.00	-21.77	-	-	peak
3	155.3305	29.48	-8.61	20.87	43.50	-22.63	-	-	peak
4	338.8546	29.17	-7.31	21.86	46.00	-24.14	-	-	peak
5	558.0788	30.36	-2.66	27.70	46.00	-18.30	-	-	peak
6	932.1405	31.38	1.87	33.25	46.00	-12.75	-	-	peak

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



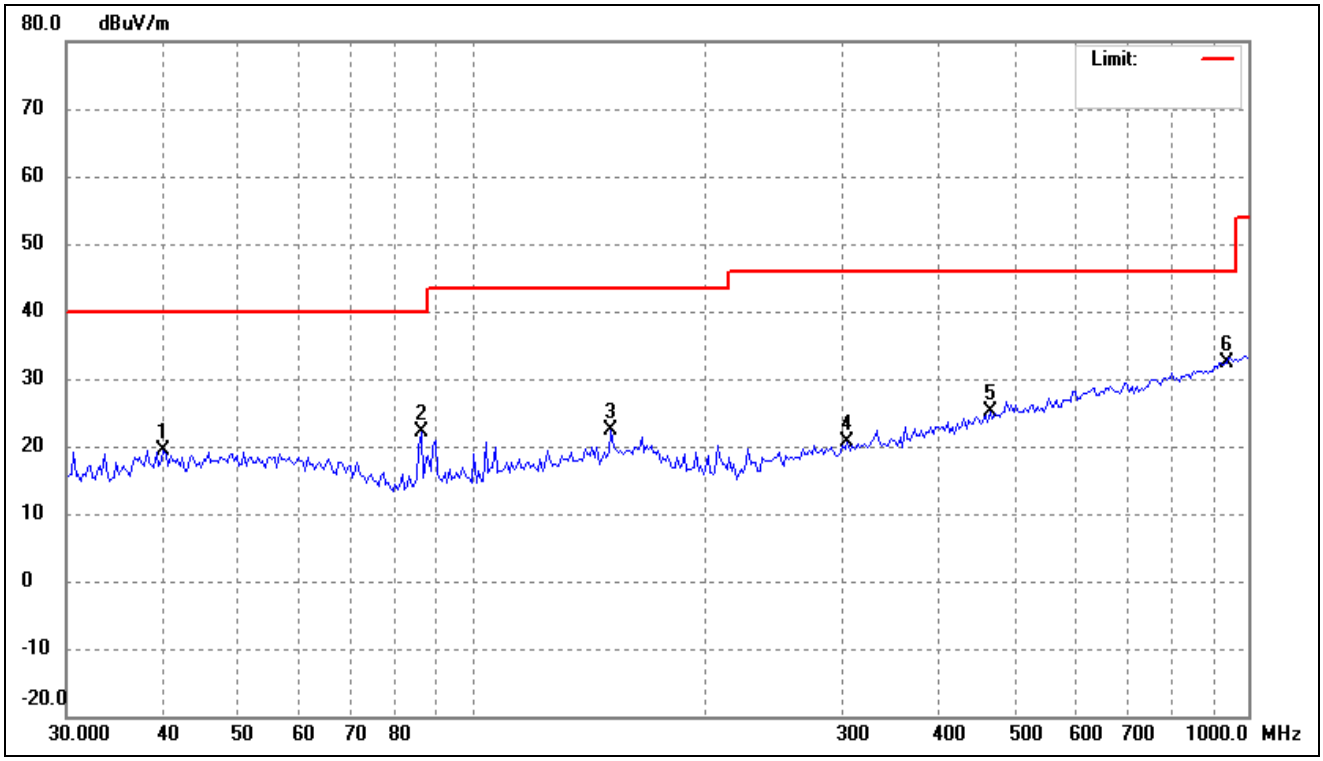
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.7028	27.62	-8.27	19.35	40.00	-20.65	-	-	peak
2	100.4712	33.21	-12.45	20.76	43.50	-22.74	-	-	peak
3	151.0252	30.38	-8.61	21.77	43.50	-21.73	-	-	peak
4	338.8546	28.82	-7.31	21.51	46.00	-24.49	-	-	peak
5	550.2902	29.99	-2.84	27.15	46.00	-18.85	-	-	peak
6	945.3336	32.26	2.15	34.41	46.00	-11.59	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



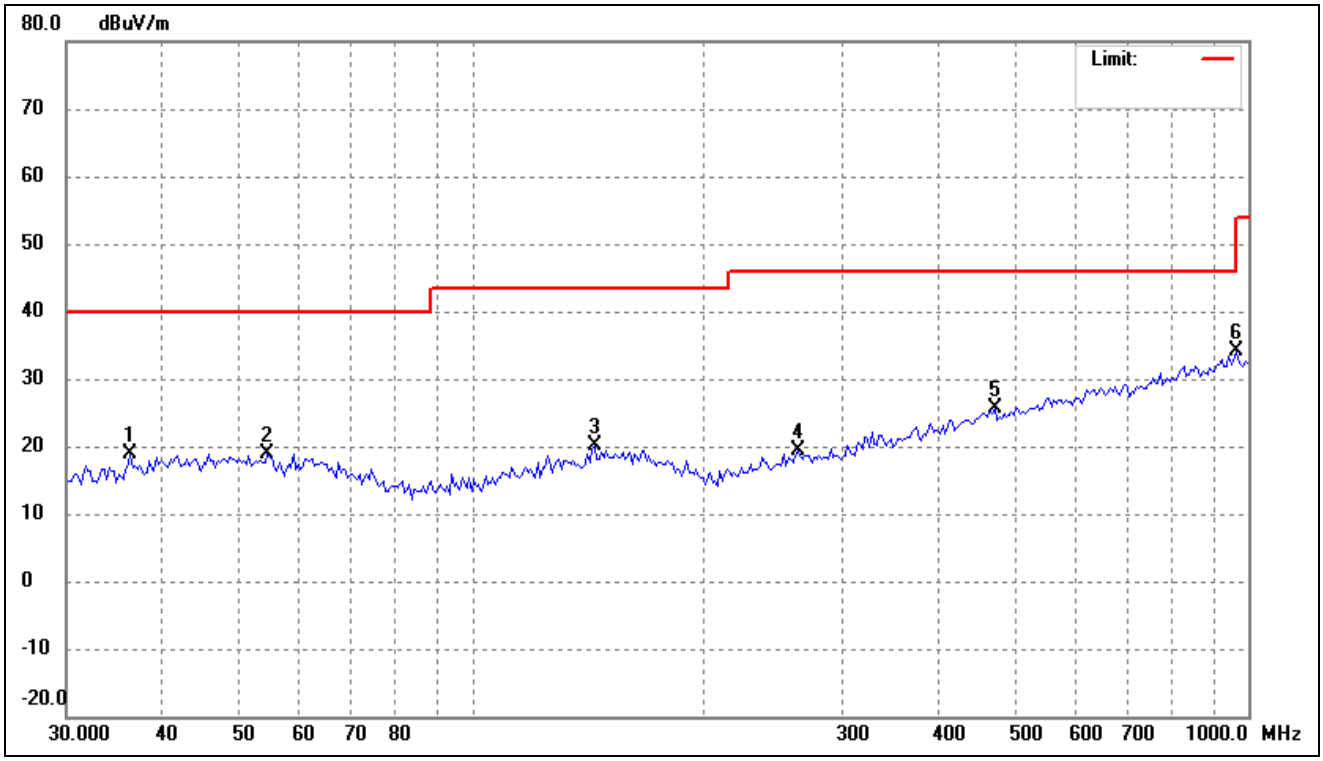
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.0350	27.61	-8.47	19.14	40.00	-20.86	-	-	peak
2	58.8979	28.64	-8.87	19.77	40.00	-20.23	-	-	peak
3	155.3305	28.83	-8.61	20.22	43.50	-23.28	-	-	peak
4	343.6506	29.16	-7.22	21.94	46.00	-24.06	-	-	peak
5	611.4623	29.98	-1.59	28.39	46.00	-17.61	-	-	peak
6	958.7135	31.49	2.26	33.75	46.00	-12.25	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



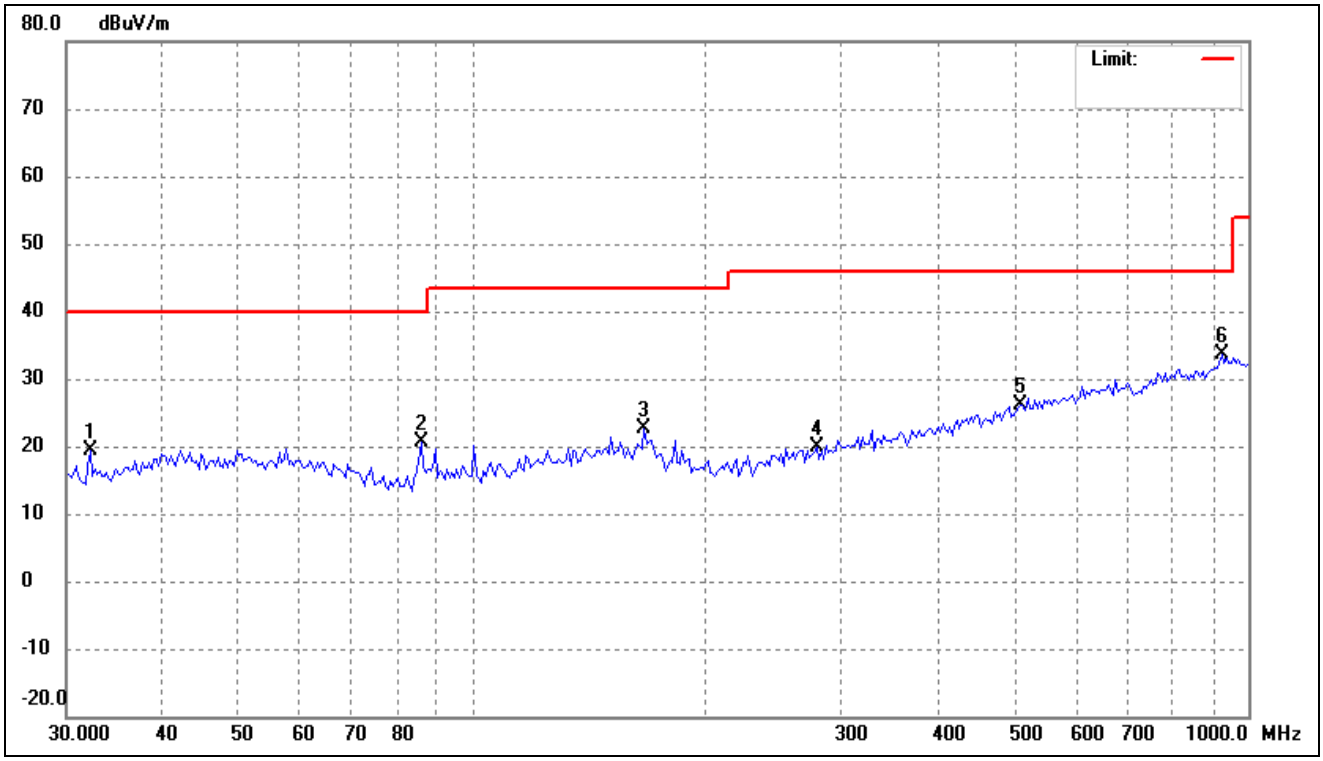
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.0173	27.79	-8.47	19.32	40.00	-20.68	-	-	peak
2	86.0796	35.16	-13.04	22.12	40.00	-17.88	-	-	peak
3	151.0252	31.11	-8.61	22.50	43.50	-21.00	-	-	peak
4	304.9548	28.65	-8.12	20.53	46.00	-25.47	-	-	peak
5	464.8867	29.42	-4.37	25.05	46.00	-20.95	-	-	peak
6	938.7139	30.28	2.01	32.29	46.00	-13.71	-	-	peak

802.11ac-VHT80			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



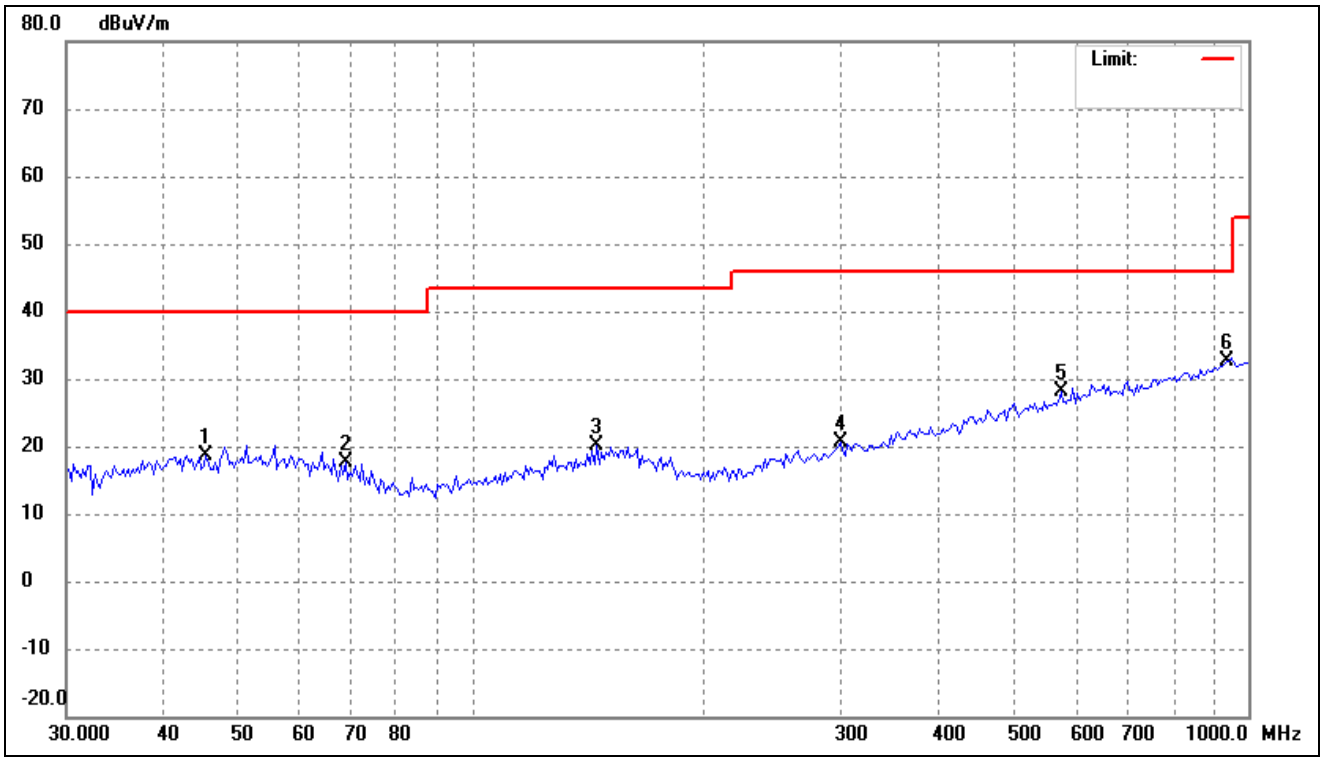
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.2678	28.04	-9.28	18.76	40.00	-21.24	-	-	peak
2	54.5167	27.56	-8.57	18.99	40.00	-21.01	-	-	peak
3	143.7760	29.23	-9.11	20.12	43.50	-23.38	-	-	peak
4	263.1155	28.90	-9.64	19.26	46.00	-26.74	-	-	peak
5	471.4665	29.87	-4.29	25.58	46.00	-20.42	-	-	peak
6	965.4742	31.76	2.27	34.03	54.00	-19.97	-	-	peak

802.11ac-VHT80			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



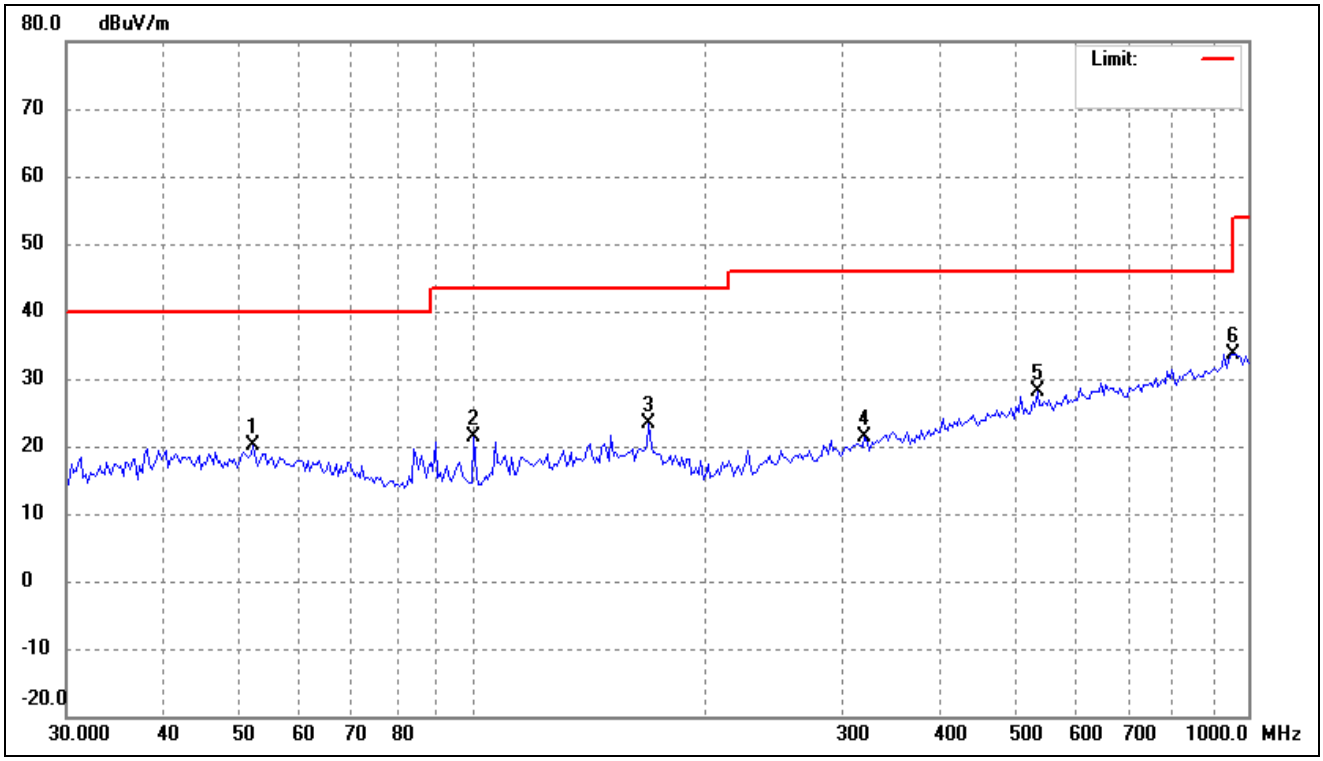
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	32.1840	29.20	-9.91	19.29	40.00	-20.71	-	-	peak
2	86.0796	33.72	-13.04	20.68	40.00	-19.32	-	-	peak
3	166.6385	31.39	-8.79	22.60	43.50	-20.90	-	-	peak
4	278.3308	28.84	-9.00	19.84	46.00	-26.16	-	-	peak
5	509.3559	29.82	-3.76	26.06	46.00	-19.94	-	-	peak
6	925.6132	31.77	1.74	33.51	46.00	-12.49	-	-	peak

802.11ax-HE20			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



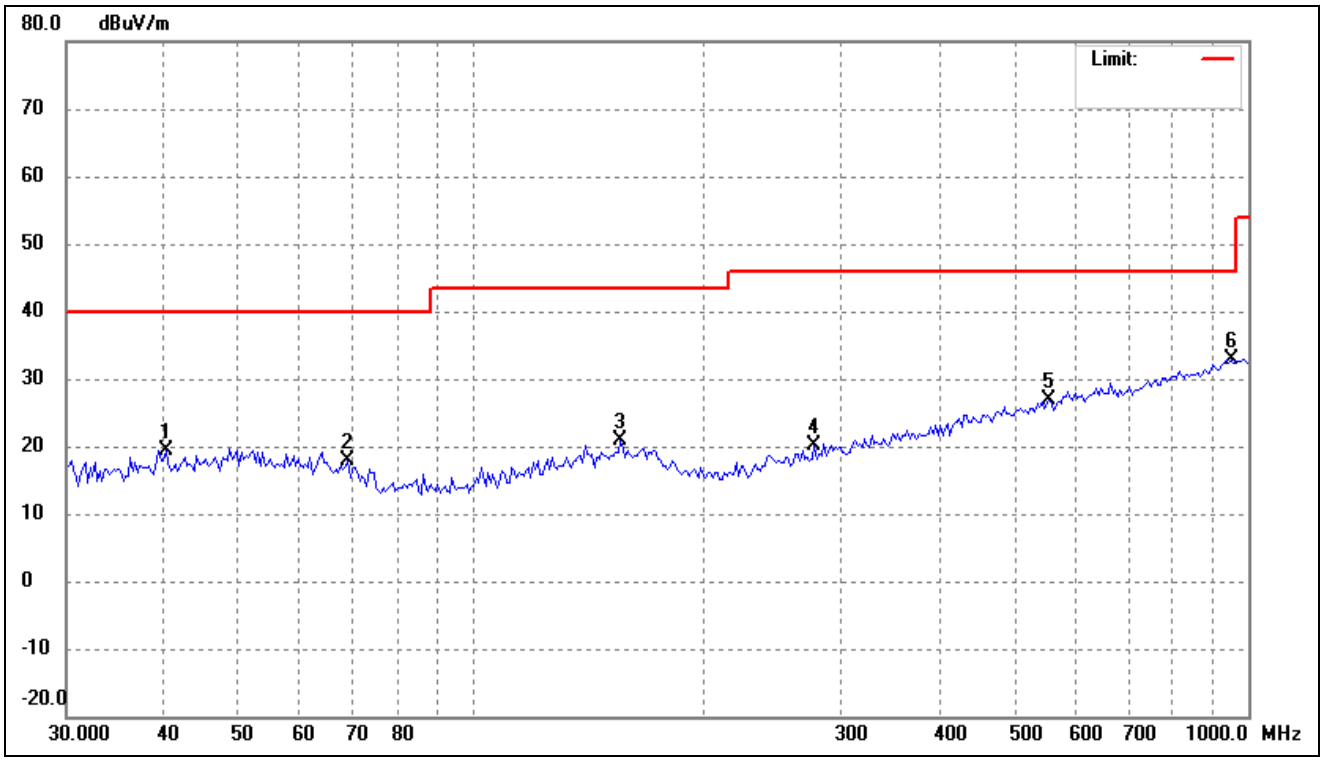
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.4131	27.14	-8.43	18.71	40.00	-21.29	-	-	peak
2	68.7450	28.21	-10.54	17.67	40.00	-22.33	-	-	peak
3	144.7899	29.18	-9.03	20.15	43.50	-23.35	-	-	peak
4	298.5932	28.87	-8.31	20.56	46.00	-25.44	-	-	peak
5	573.9882	30.33	-2.27	28.06	46.00	-17.94	-	-	peak
6	938.7139	30.52	2.01	32.53	46.00	-13.47	-	-	peak

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



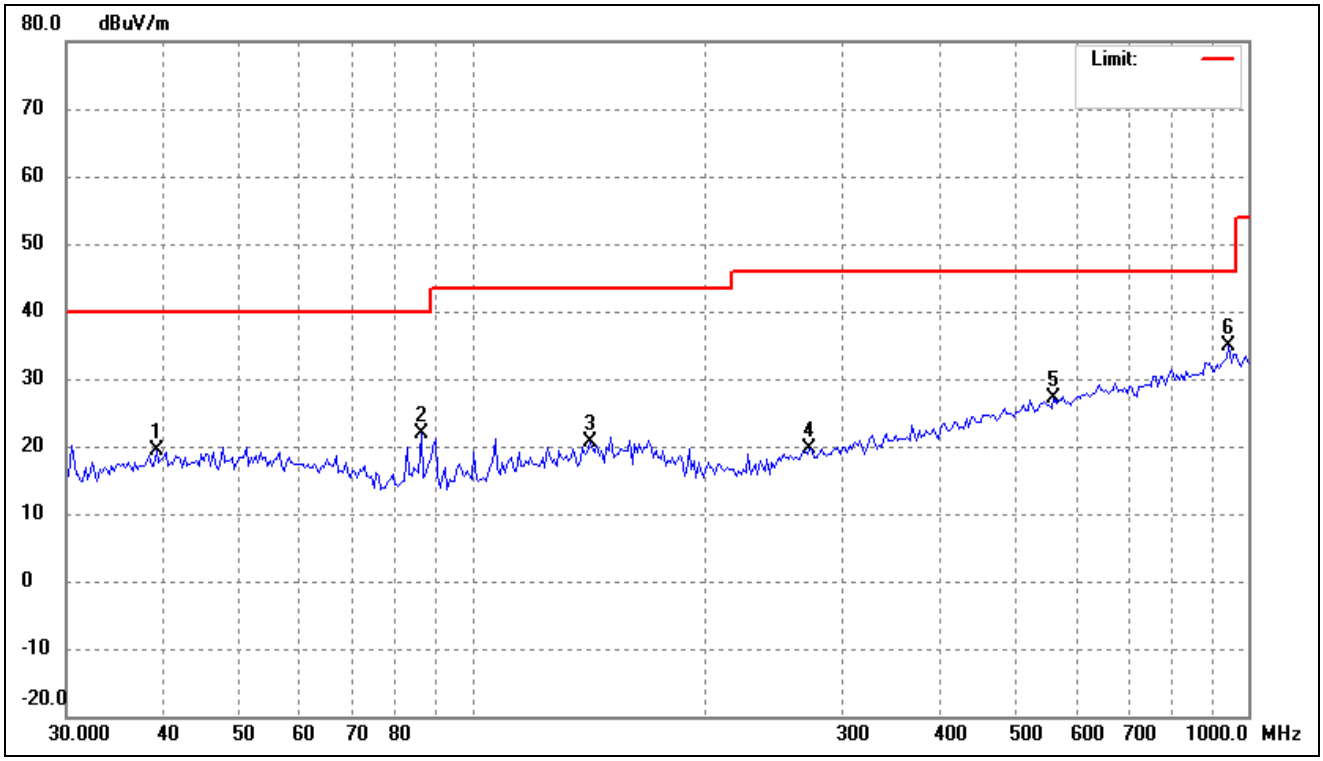
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2659	28.39	-8.33	20.06	40.00	-19.94	-	-	peak
2	100.4712	33.95	-12.45	21.50	43.50	-22.00	-	-	peak
3	168.9970	32.15	-8.85	23.30	43.50	-20.20	-	-	peak
4	320.3306	29.00	-7.68	21.32	46.00	-24.68	-	-	peak
5	535.0377	31.28	-3.25	28.03	46.00	-17.97	-	-	peak
6	958.7135	31.48	2.26	33.74	46.00	-12.26	-	-	peak

802.11ac-VHT40			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



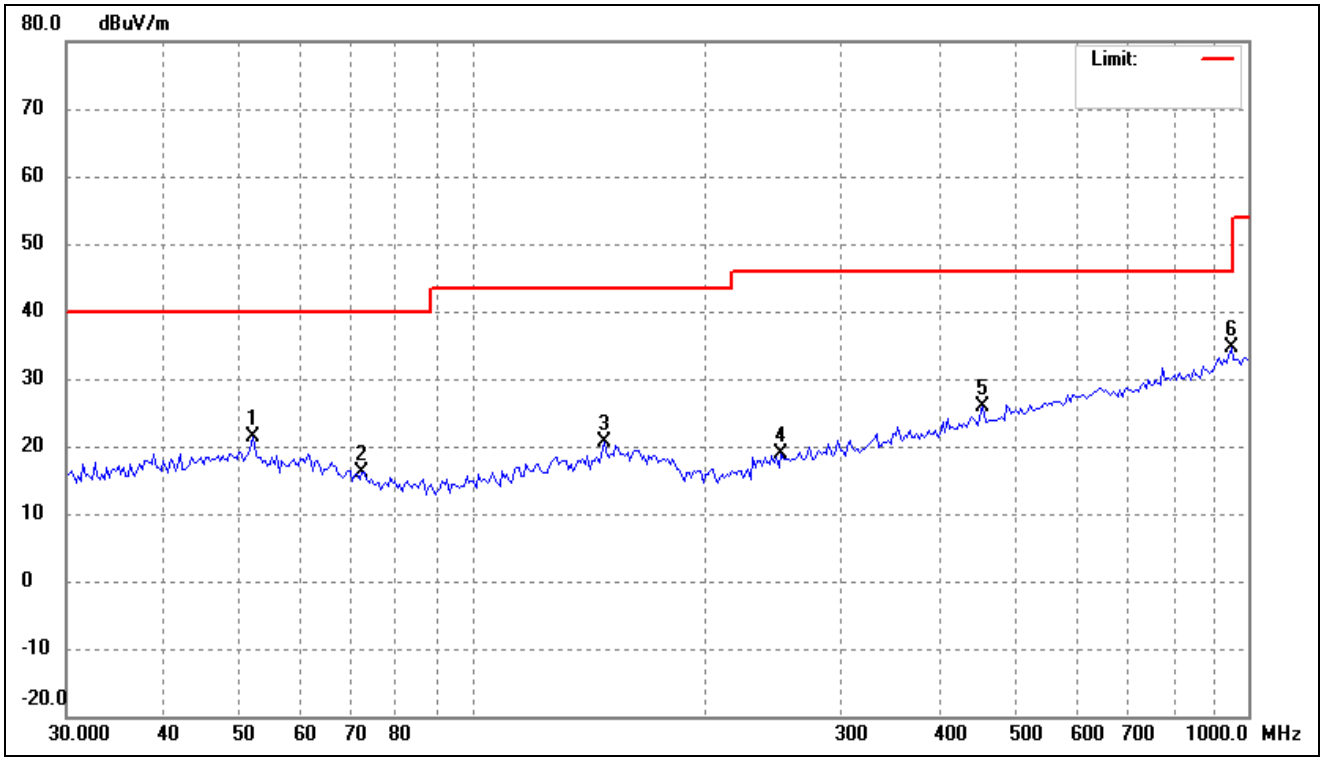
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2995	27.93	-8.48	19.45	40.00	-20.55	-	-	peak
2	69.2297	28.57	-10.63	17.94	40.00	-22.06	-	-	peak
3	155.3305	29.37	-8.61	20.76	43.50	-22.74	-	-	peak
4	276.3818	29.30	-9.06	20.24	46.00	-25.76	-	-	peak
5	554.1708	29.60	-2.75	26.85	46.00	-19.15	-	-	peak
6	952.0001	30.68	2.25	32.93	46.00	-13.07	-	-	peak

802.11ax-HE40			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



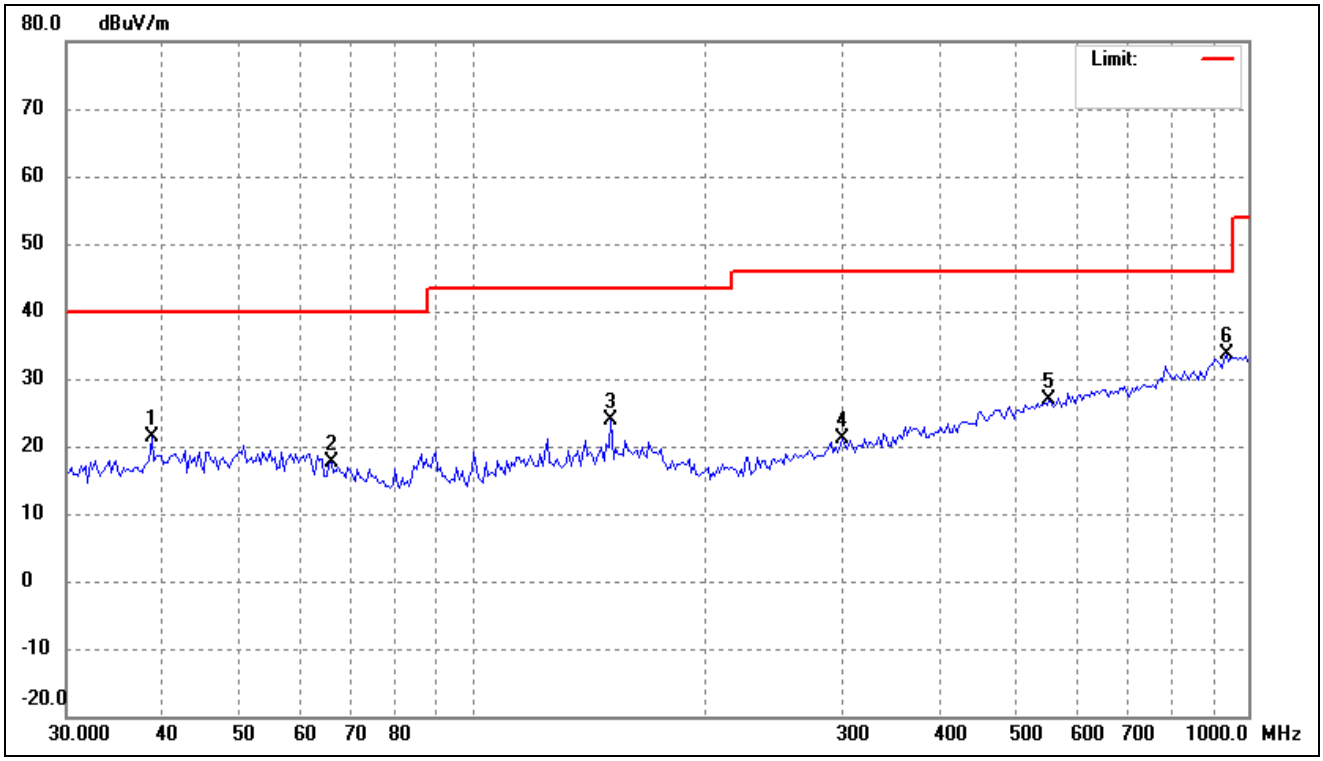
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1825	27.97	-8.65	19.32	40.00	-20.68	-	-	peak
2	86.0796	34.84	-13.04	21.80	40.00	-18.20	-	-	peak
3	141.7694	29.80	-9.28	20.52	43.50	-22.98	-	-	peak
4	272.5246	28.75	-9.22	19.53	46.00	-26.47	-	-	peak
5	562.0143	29.62	-2.55	27.07	46.00	-18.93	-	-	peak
6	945.3336	32.74	2.15	34.89	46.00	-11.11	-	-	peak

802.11ax-HE80			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.2659	29.72	-8.33	21.39	40.00	-18.61	-	-	peak
2	72.2111	27.44	-11.26	16.18	40.00	-23.82	-	-	peak
3	147.8747	29.31	-8.77	20.54	43.50	-22.96	-	-	peak
4	250.4859	29.11	-10.18	18.93	46.00	-27.07	-	-	peak
5	455.1888	30.44	-4.52	25.92	46.00	-20.08	-	-	peak
6	952.0001	32.42	2.25	34.67	46.00	-11.33	-	-	peak

802.11ax-HE80			
Test Channel	5745MHz(worst case)	Polarity:	Vertical



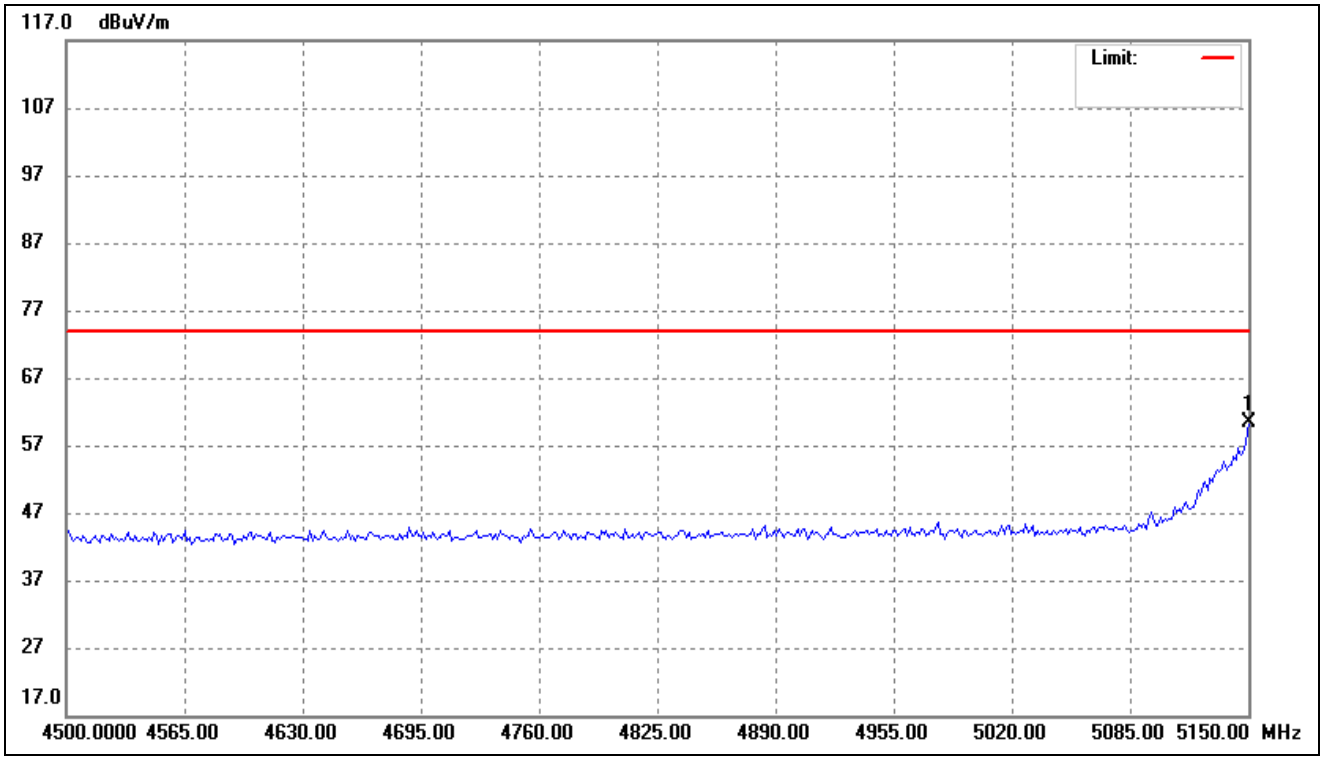
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.6357	30.09	-8.78	21.31	40.00	-18.69	-	-	peak
2	65.9067	27.74	-10.02	17.72	40.00	-22.28	-	-	peak
3	151.0252	32.60	-8.61	23.99	43.50	-19.51	-	-	peak
4	300.6988	29.26	-8.24	21.02	46.00	-24.98	-	-	peak
5	554.1708	29.73	-2.75	26.98	46.00	-19.02	-	-	peak
6	938.7139	31.74	2.01	33.75	46.00	-12.25	-	-	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
- Antenna 0

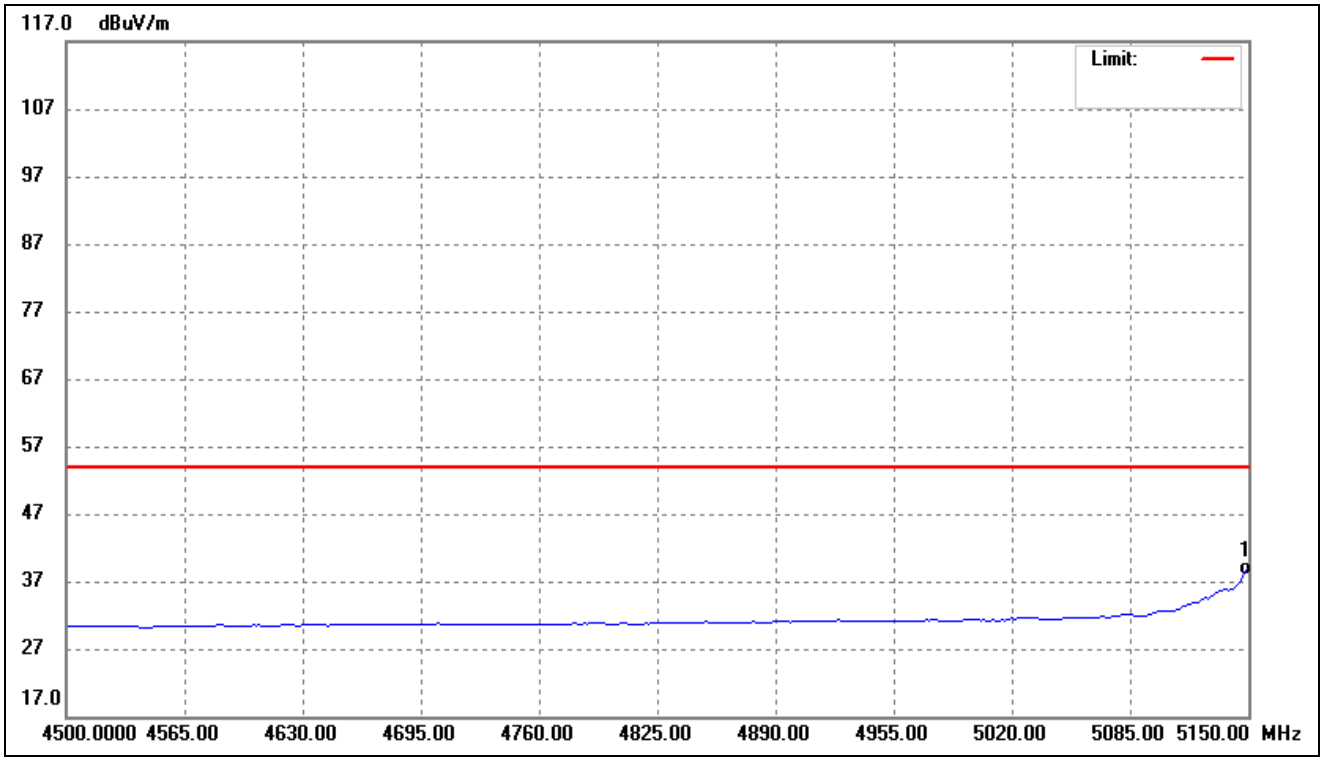
5150-5250MHz

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



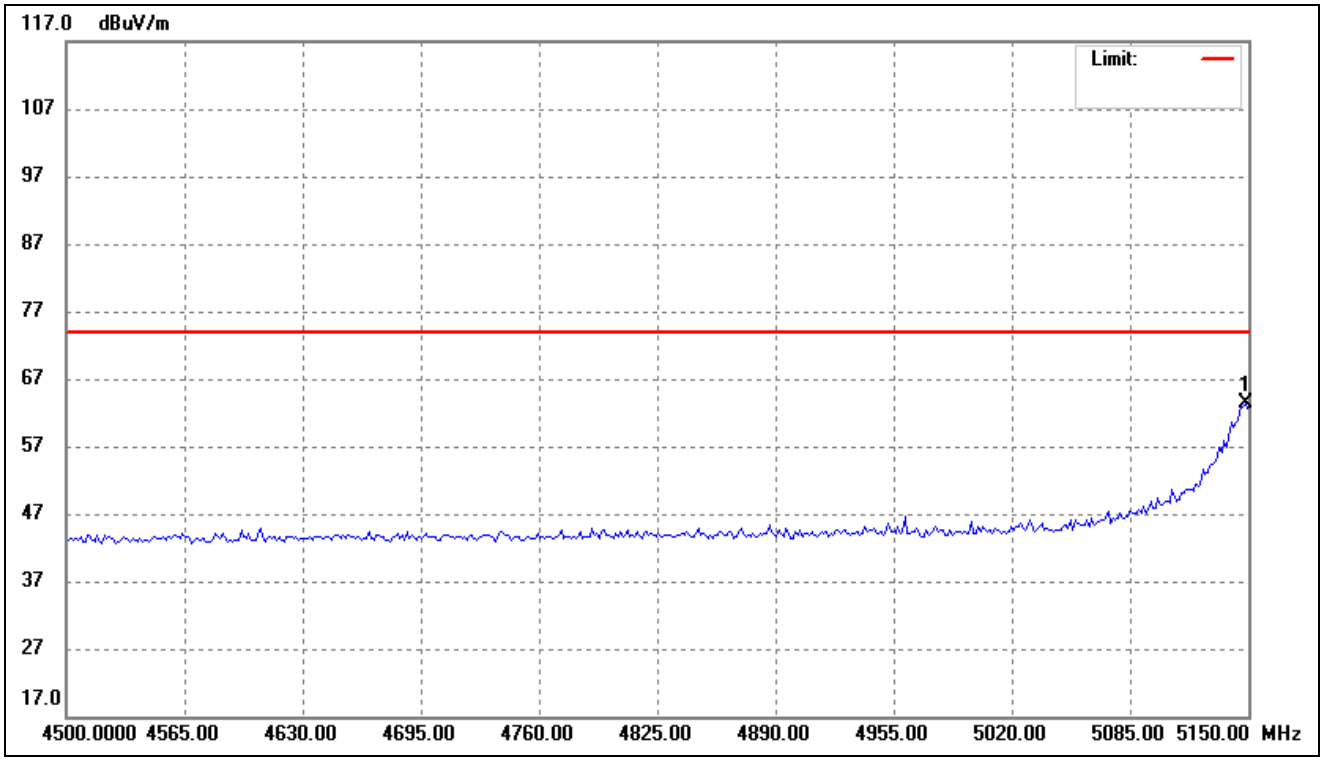
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	71.91	-11.65	60.26	74.00	-13.74	-	-	peak

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



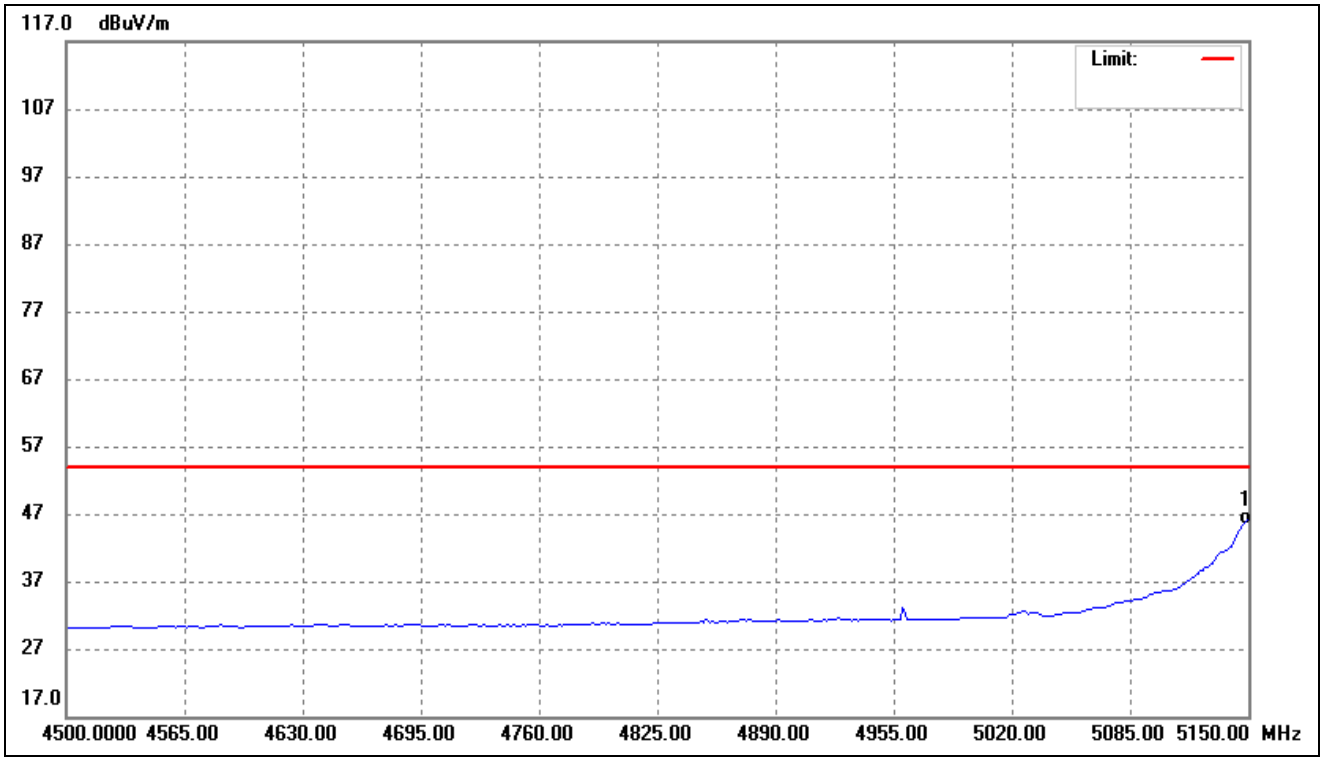
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	50.55	-11.65	38.90	54.00	-15.10	-	-	AVG

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



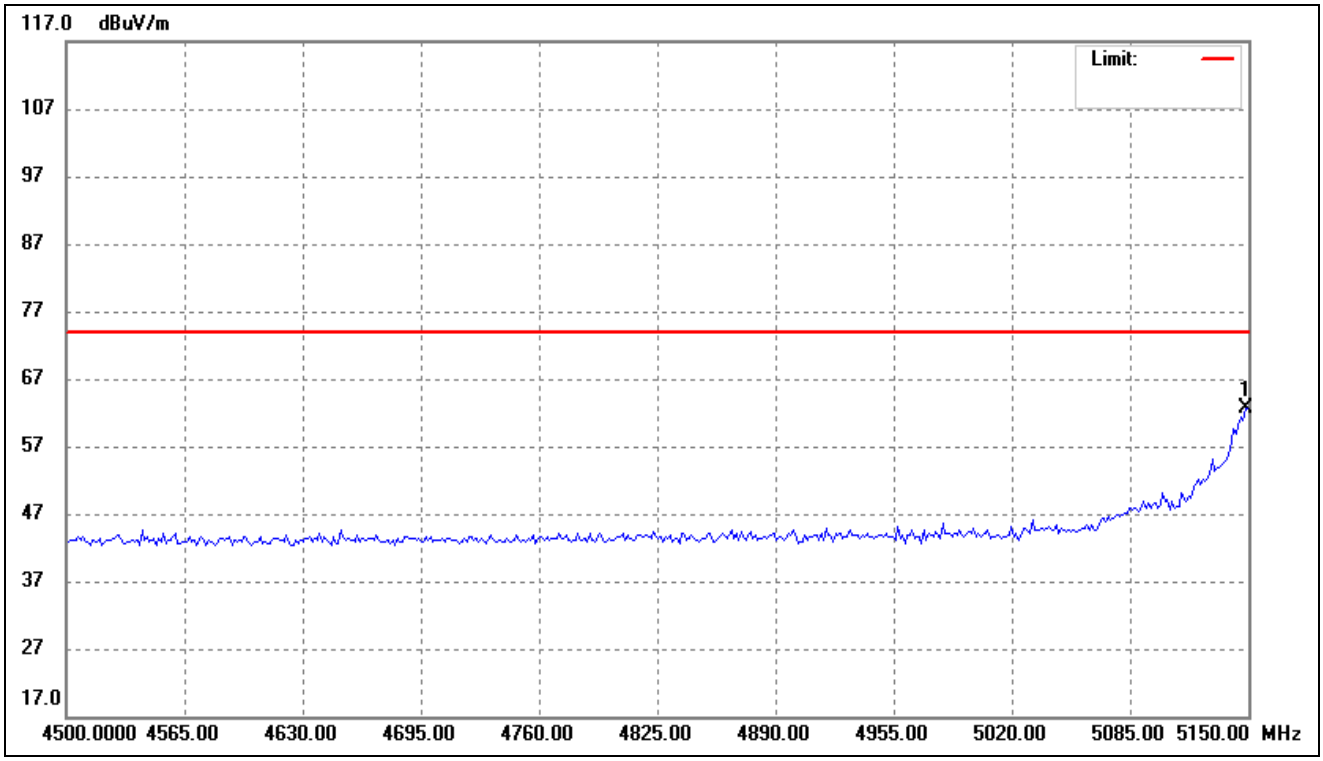
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	75.05	-11.66	63.39	74.00	-10.61	-	-	peak

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



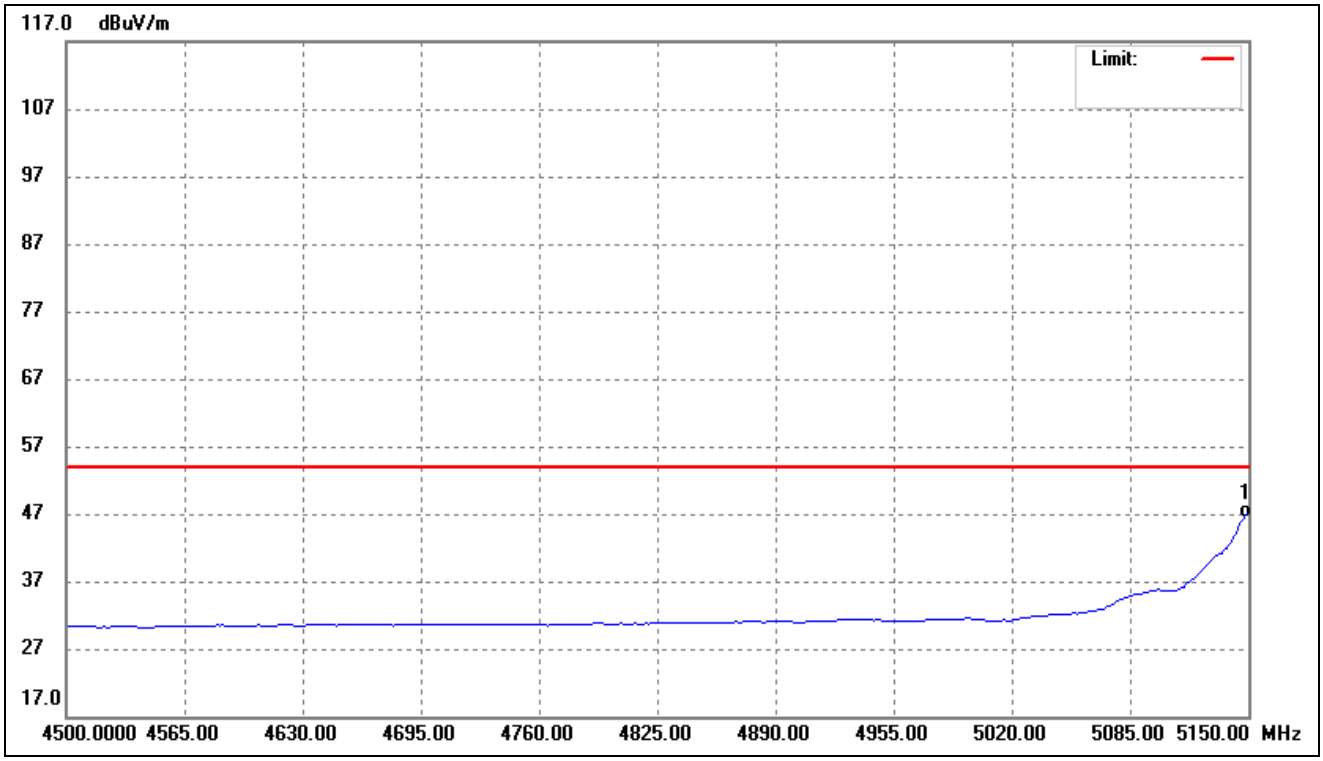
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	58.07	-11.65	46.42	54.00	-7.58	-	-	AVG

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



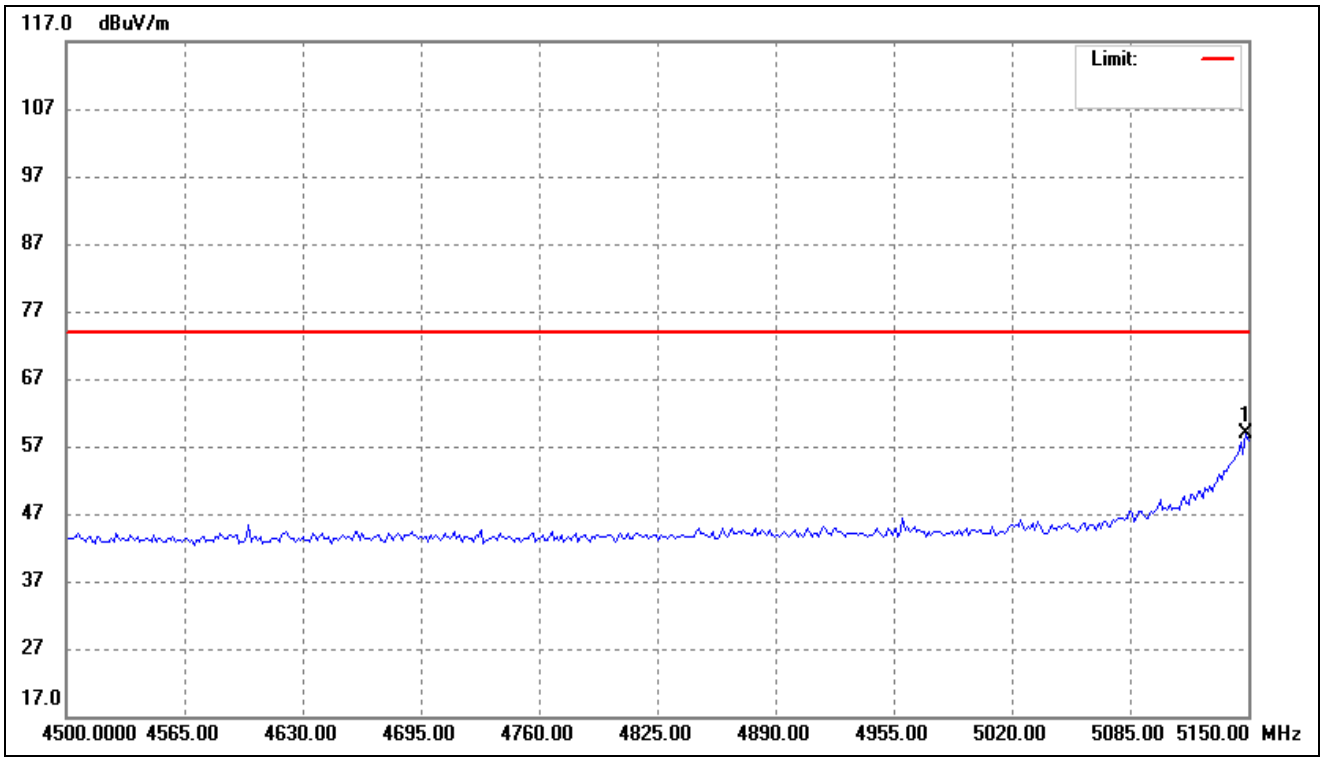
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	74.33	-11.66	62.67	74.00	-11.33	-	-	peak

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



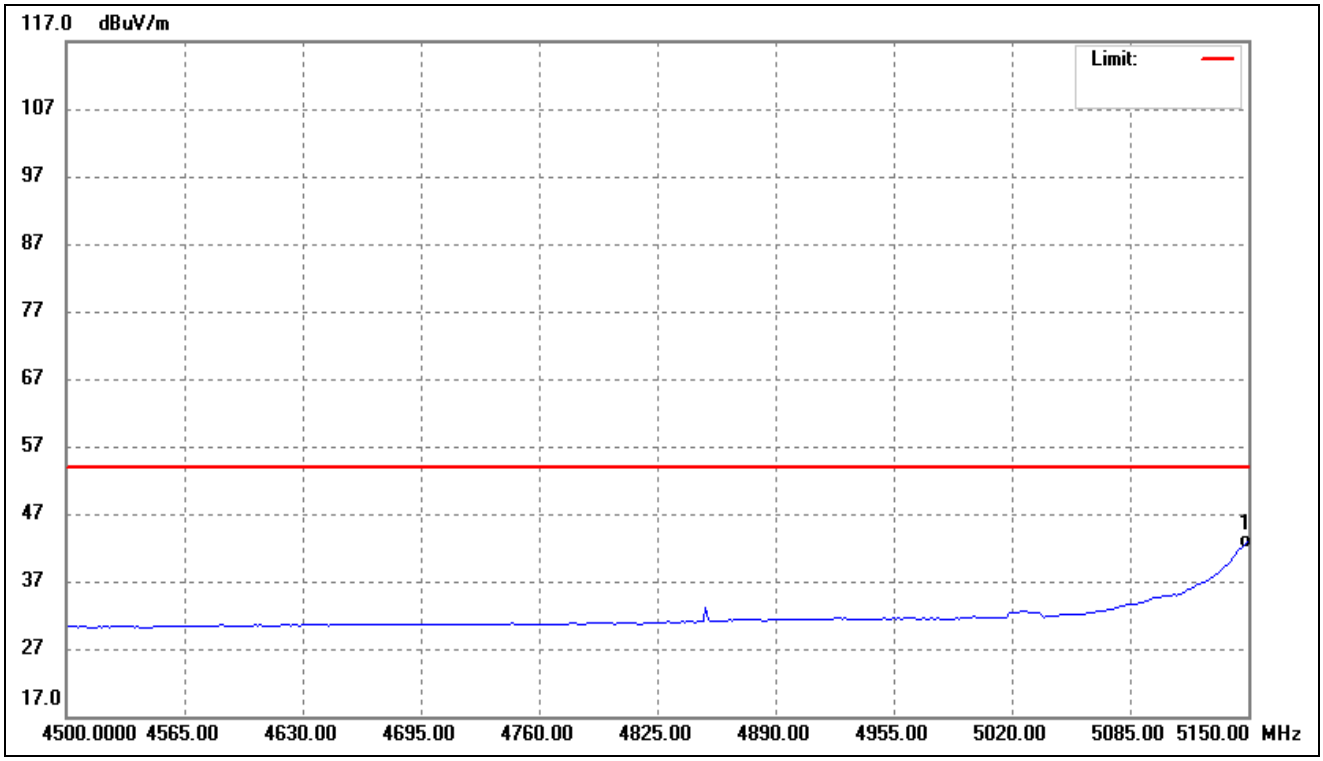
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	58.91	-11.65	47.26	54.00	-6.74	-	-	AVG

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



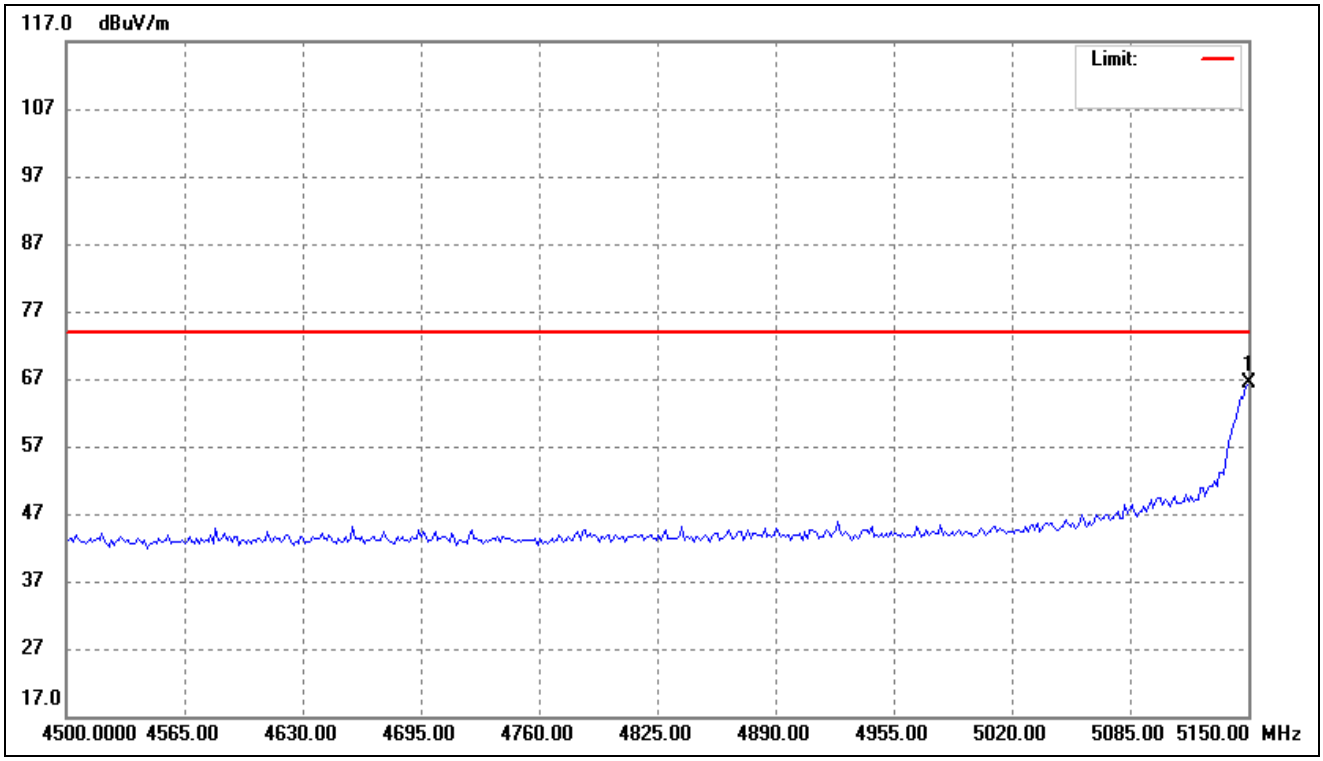
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	70.52	-11.66	58.86	74.00	-15.14	-	-	peak

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



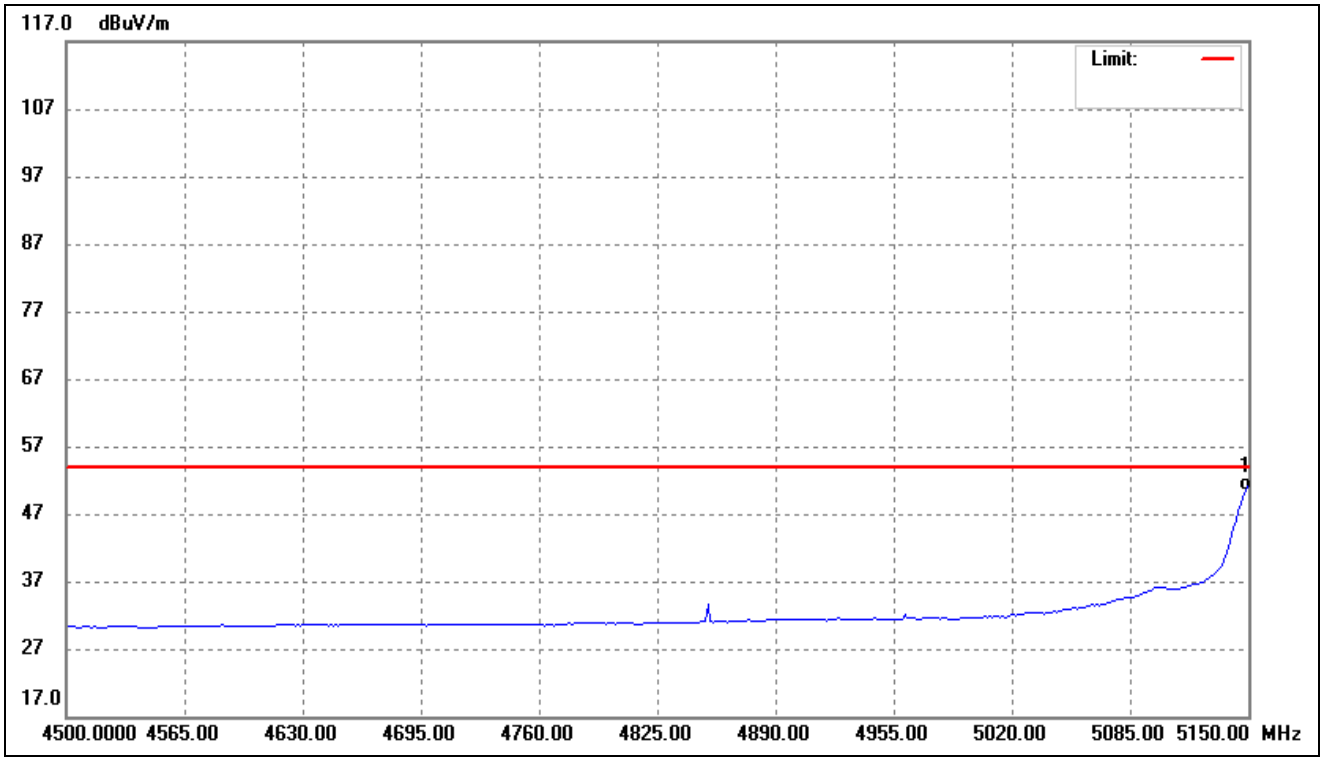
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	54.54	-11.65	42.89	54.00	-11.11	-	-	AVG

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



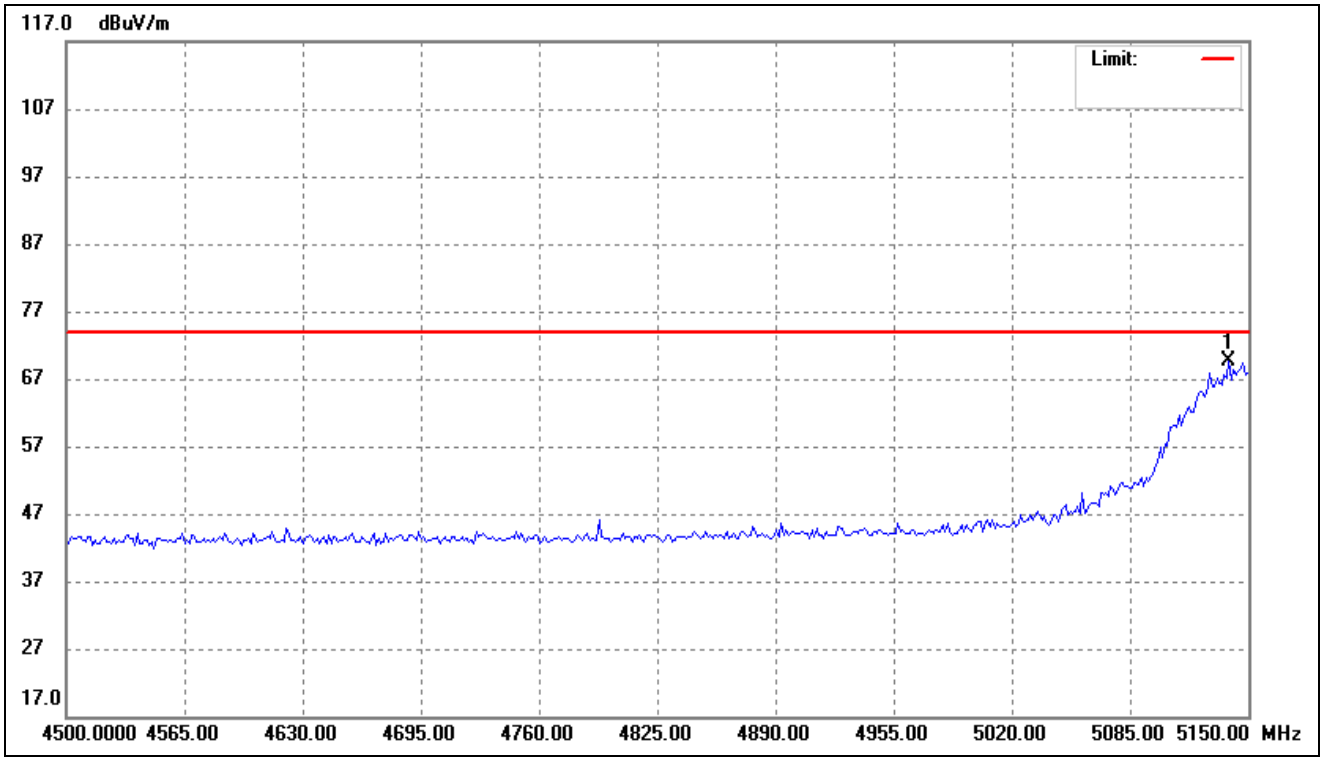
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	78.07	-11.65	66.42	74.00	-7.58	-	-	peak

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



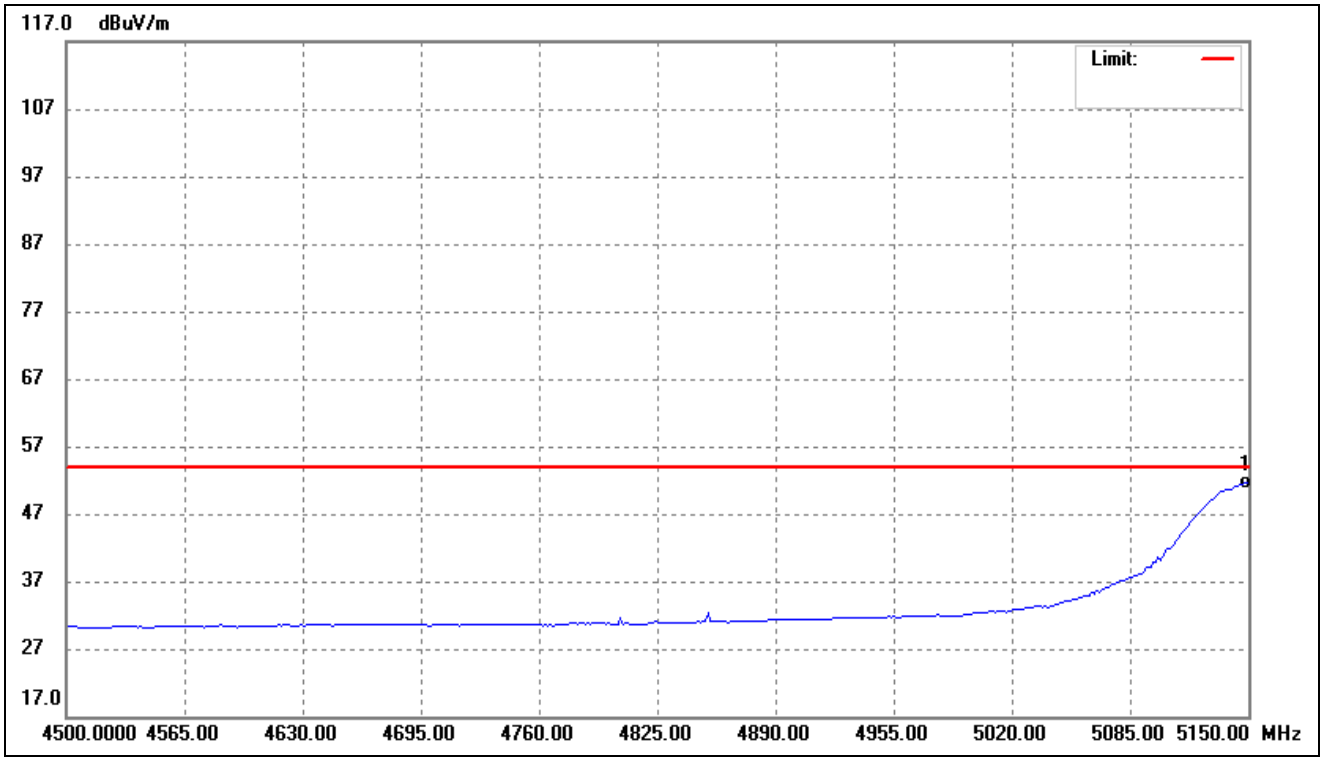
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	62.92	-11.65	51.27	54.00	-2.73	-	-	AVG

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



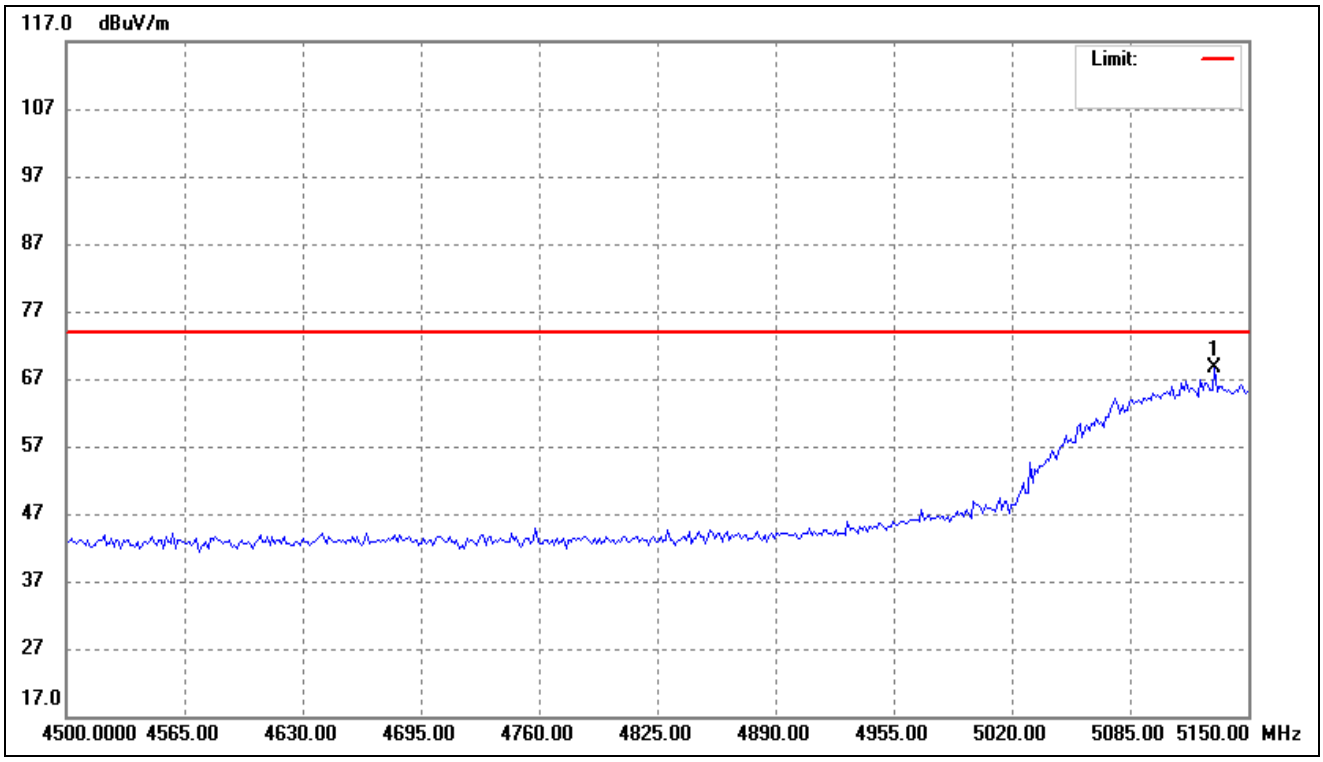
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5139.579	81.31	-11.70	69.61	74.00	-4.39	-	-	peak

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



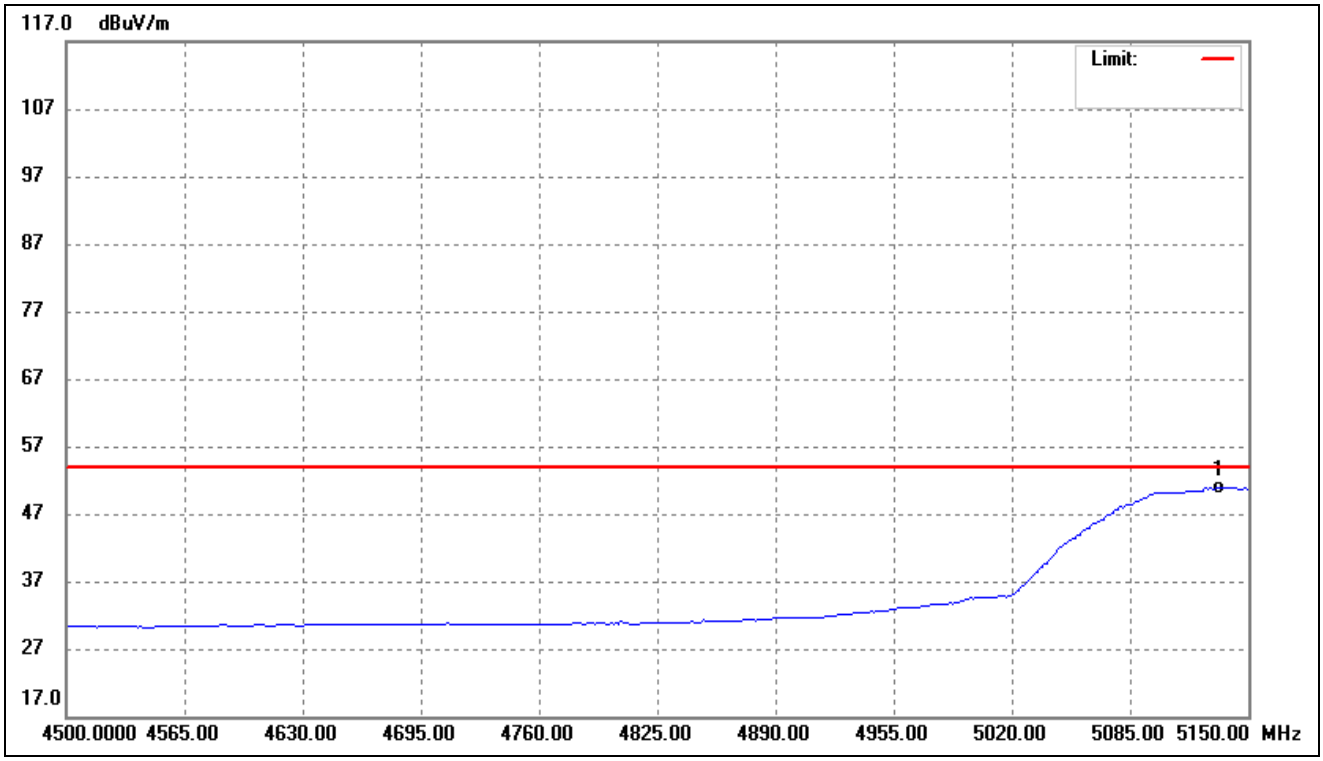
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	63.29	-11.65	51.64	54.00	-2.36	-	-	AVG

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



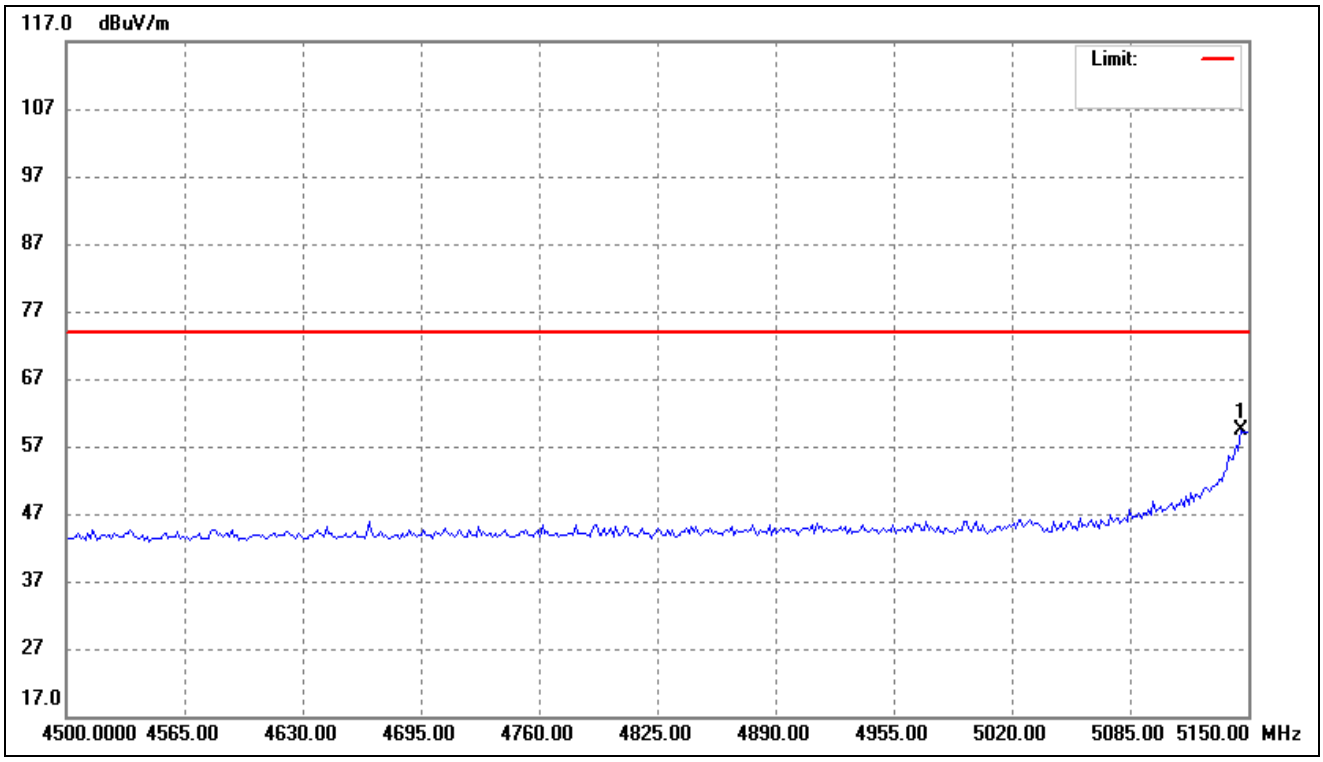
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5131.764	80.44	-11.74	68.70	74.00	-5.30	-	-	peak

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



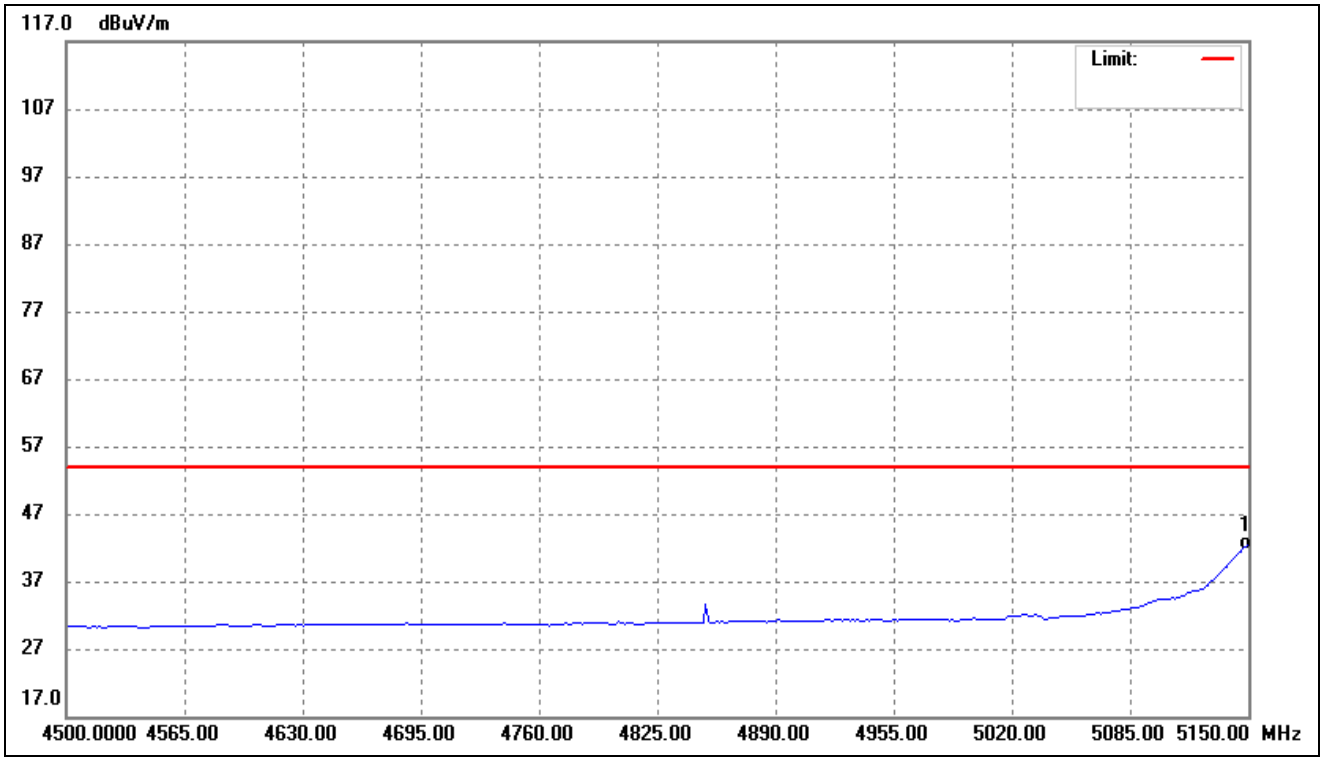
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5134.369	62.69	-11.73	50.96	54.00	-3.04	-	-	AVG

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



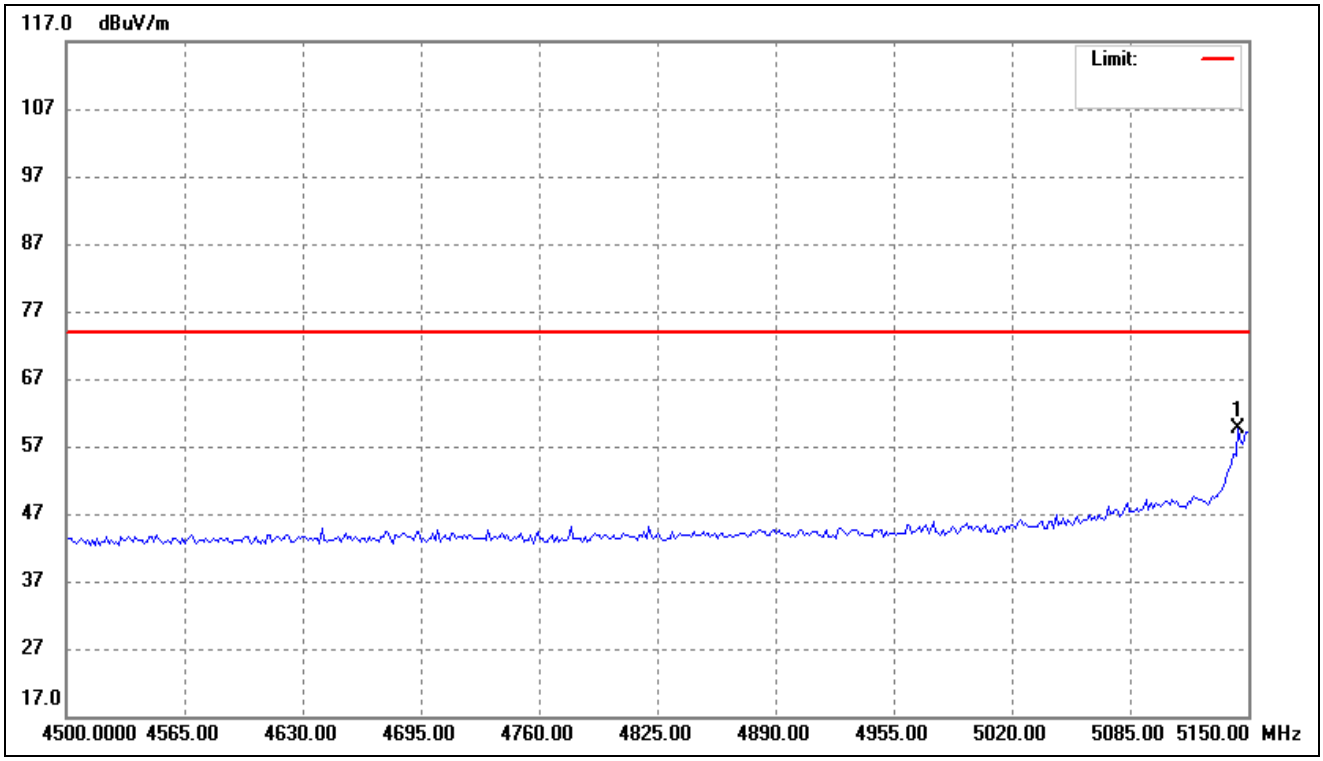
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5146.092	71.05	-11.67	59.38	74.00	-14.62	-	-	peak

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



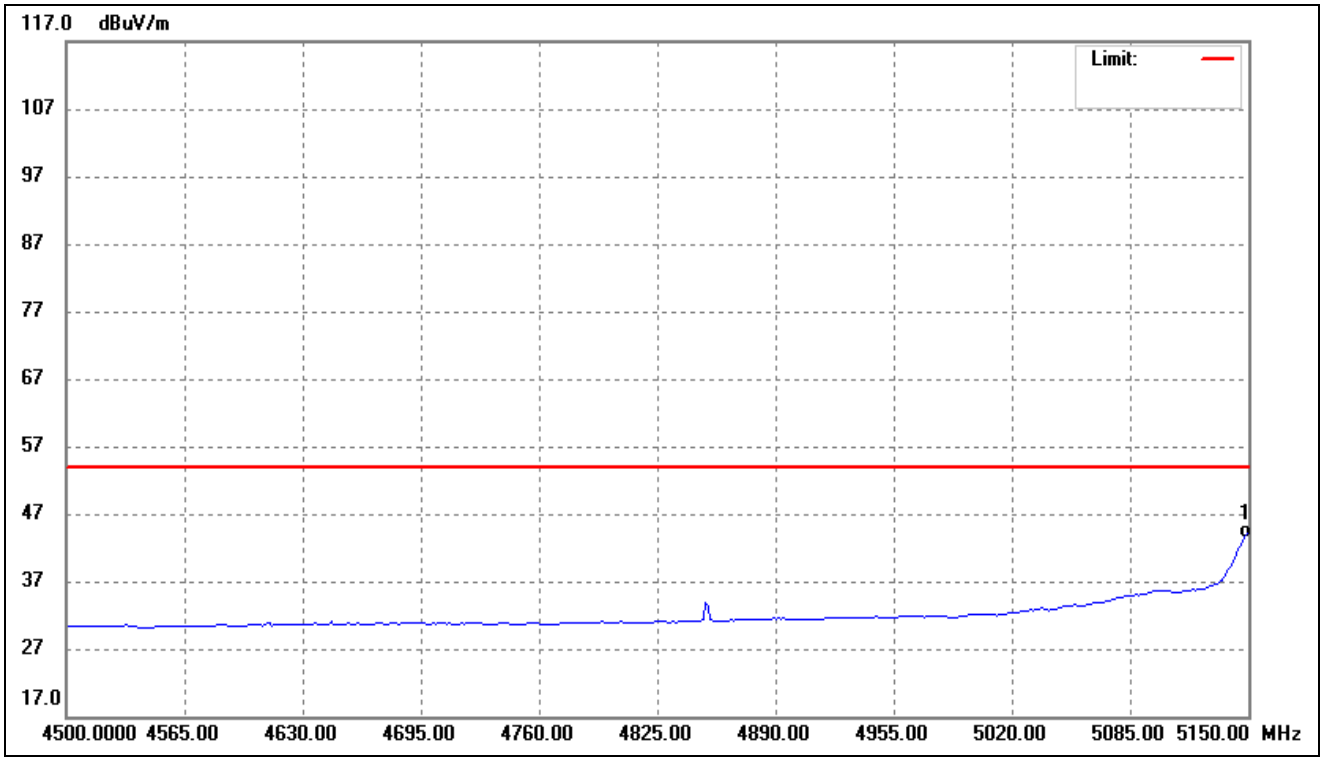
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	54.17	-11.65	42.52	54.00	-11.48	-	-	AVG

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



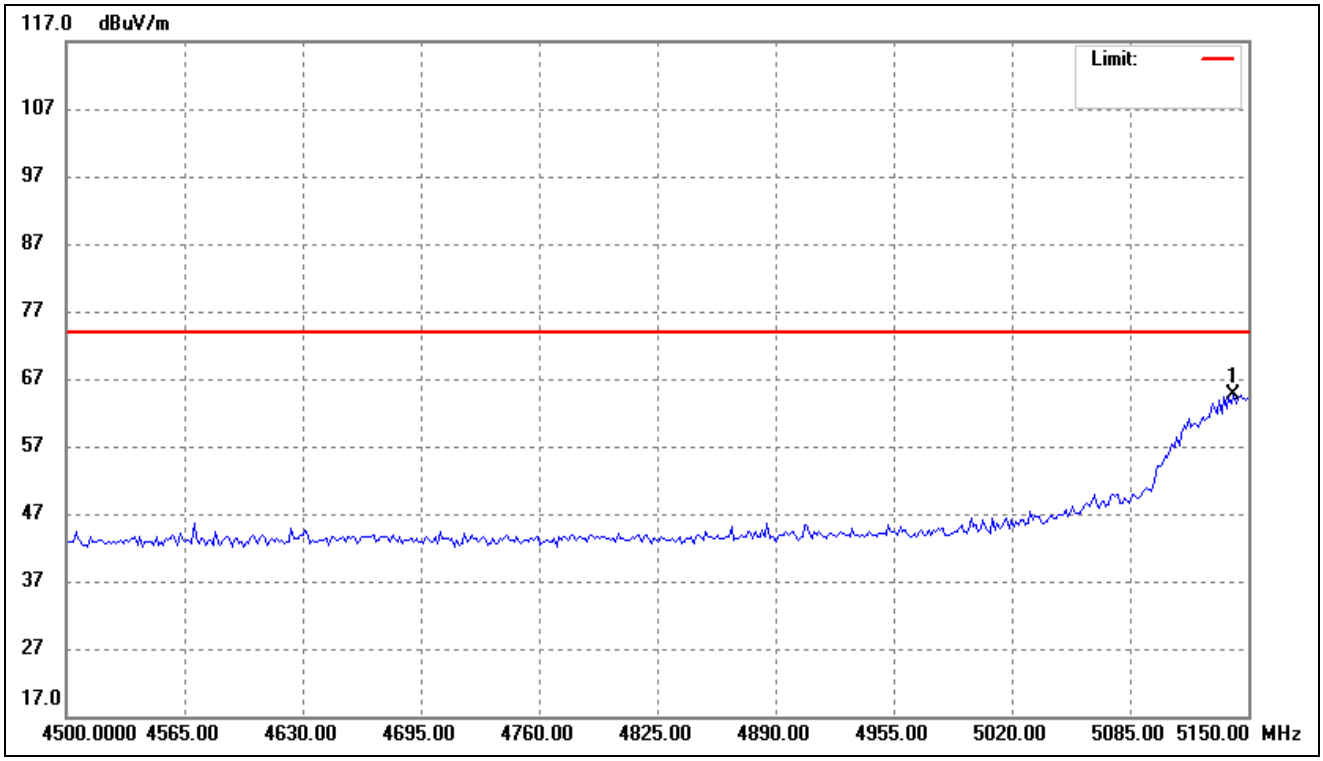
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5144.790	71.20	-11.69	59.51	74.00	-14.49	-	-	peak

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



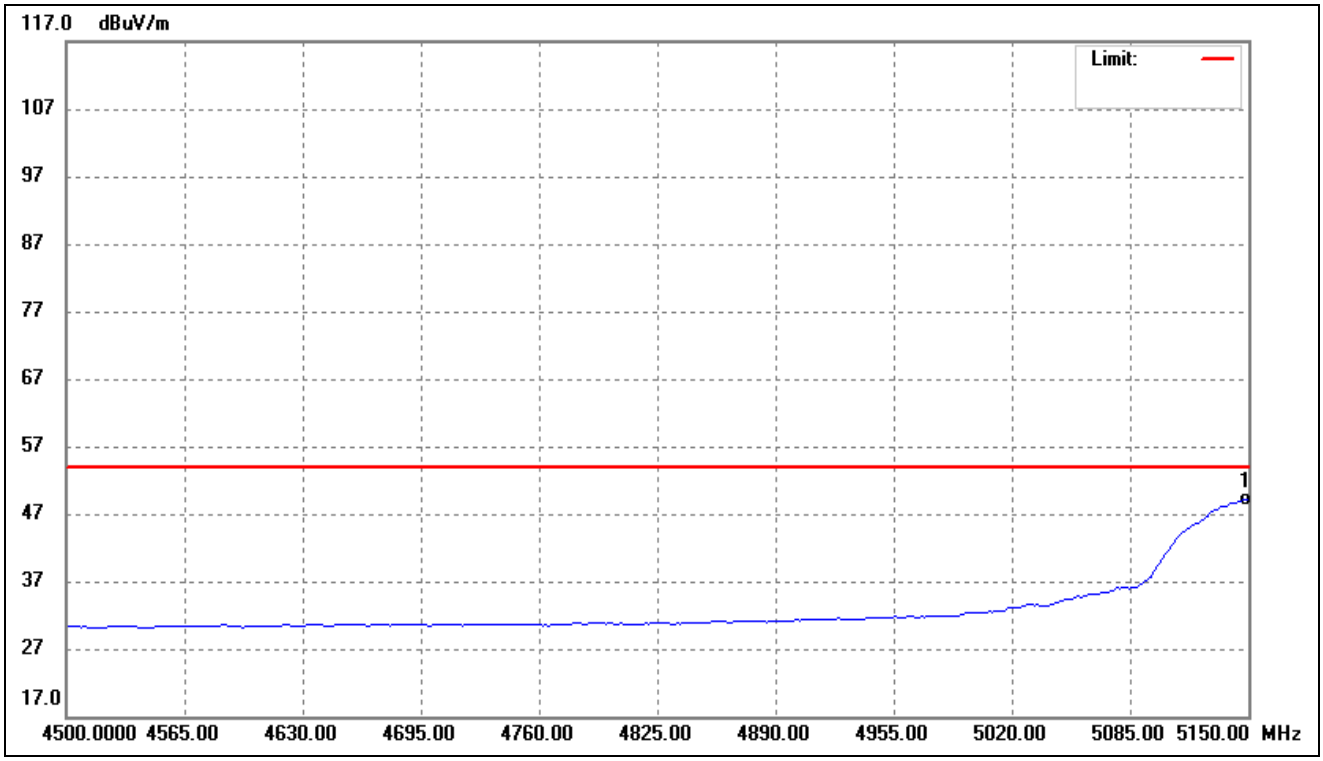
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	56.08	-11.65	44.43	54.00	-9.57	-	-	AVG

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



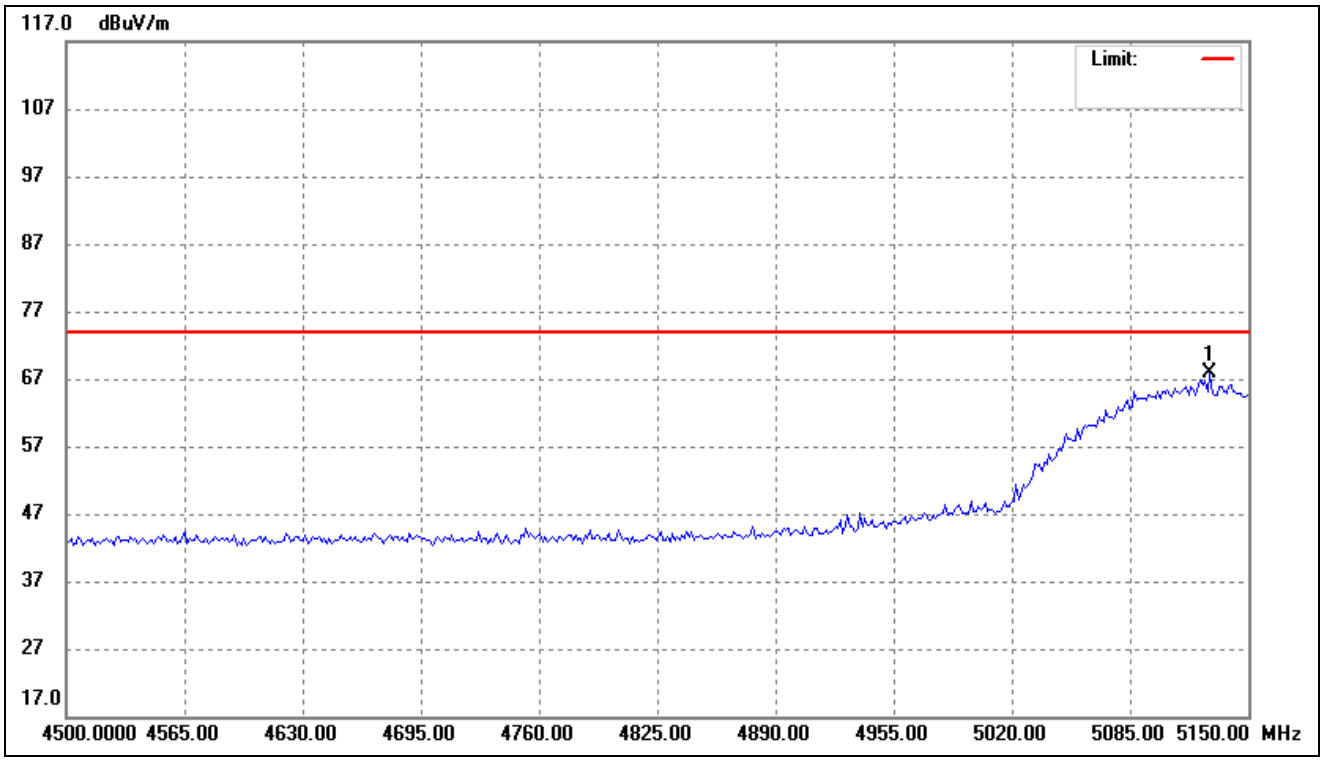
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5142.184	76.35	-11.70	64.65	74.00	-9.35	-	-	peak

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



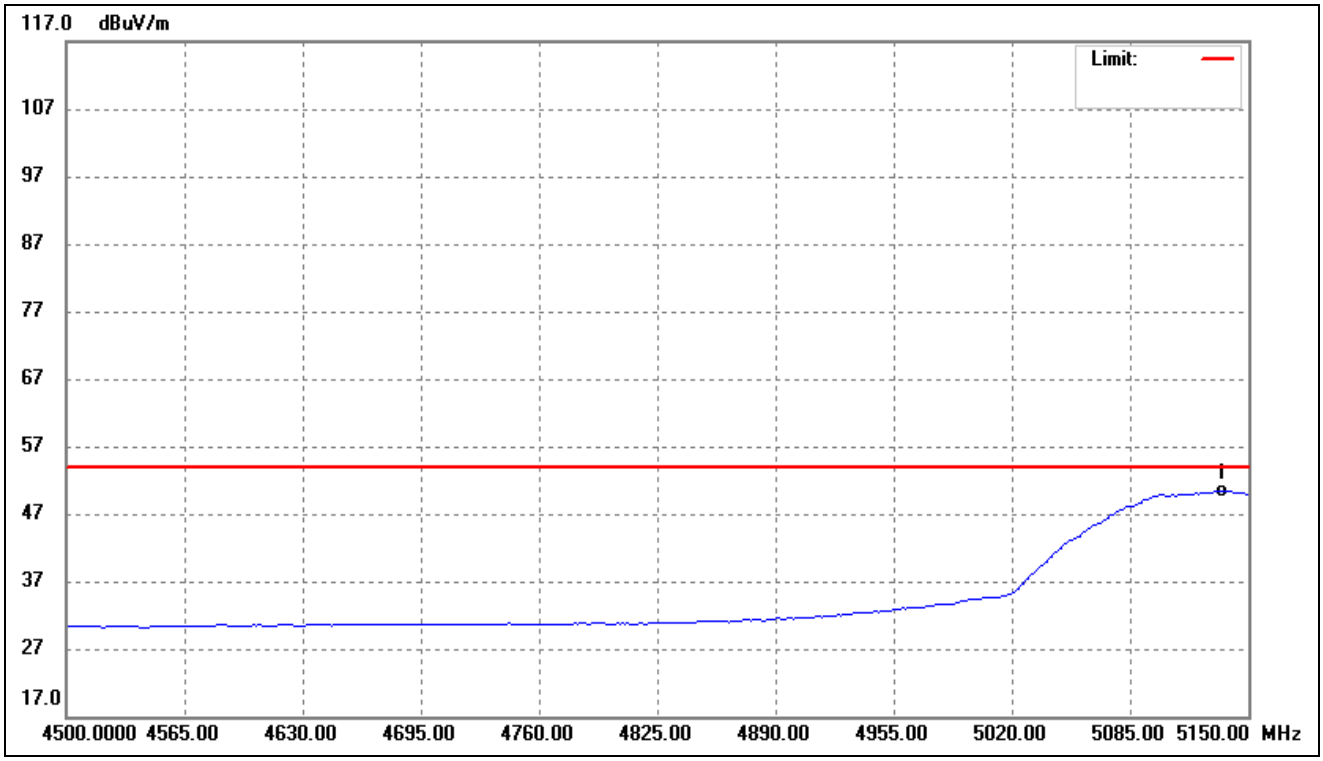
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	60.72	-11.66	49.06	54.00	-4.94	-	-	AVG

802.11ax-HE160- 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	5129.158	79.64	-11.75	67.89	74.00	-6.11	-	-	peak

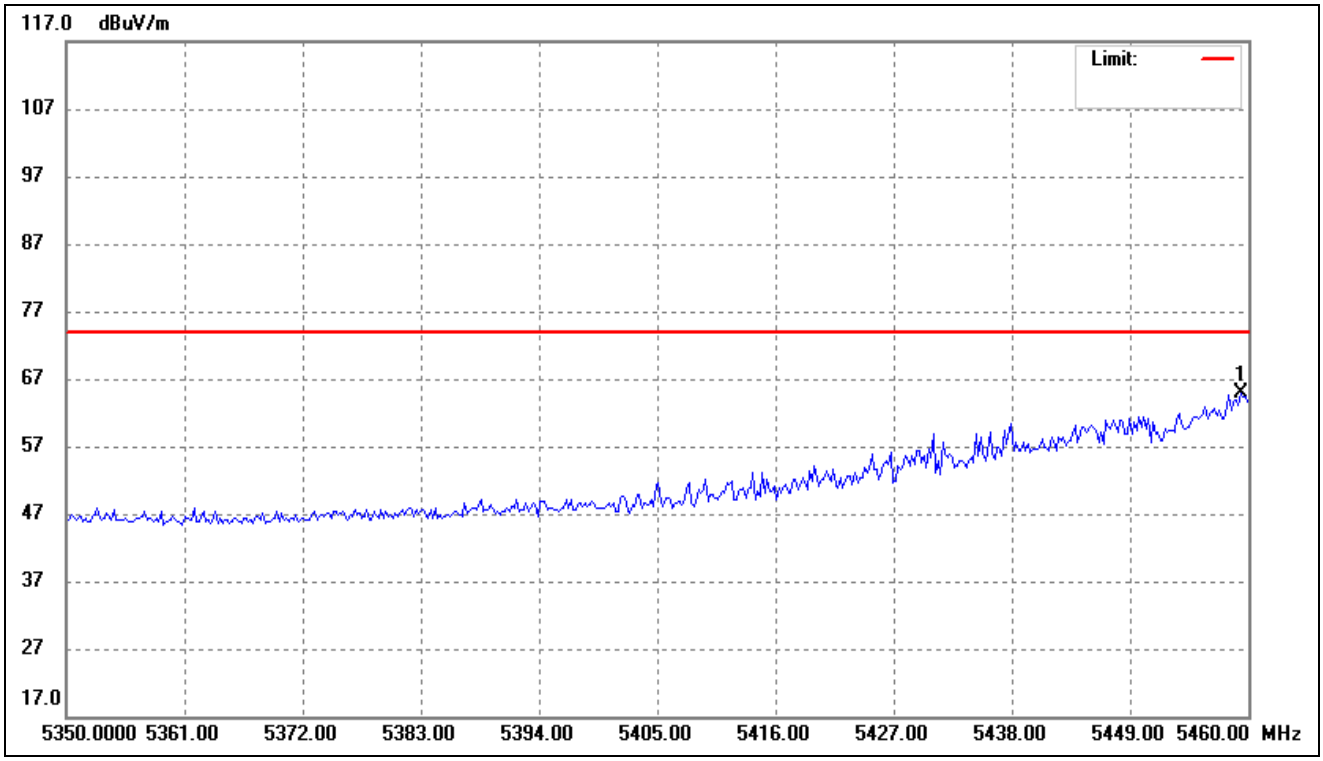
802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5134.369	62.21	-11.73	50.48	54.00	-3.52	-	-	AVG

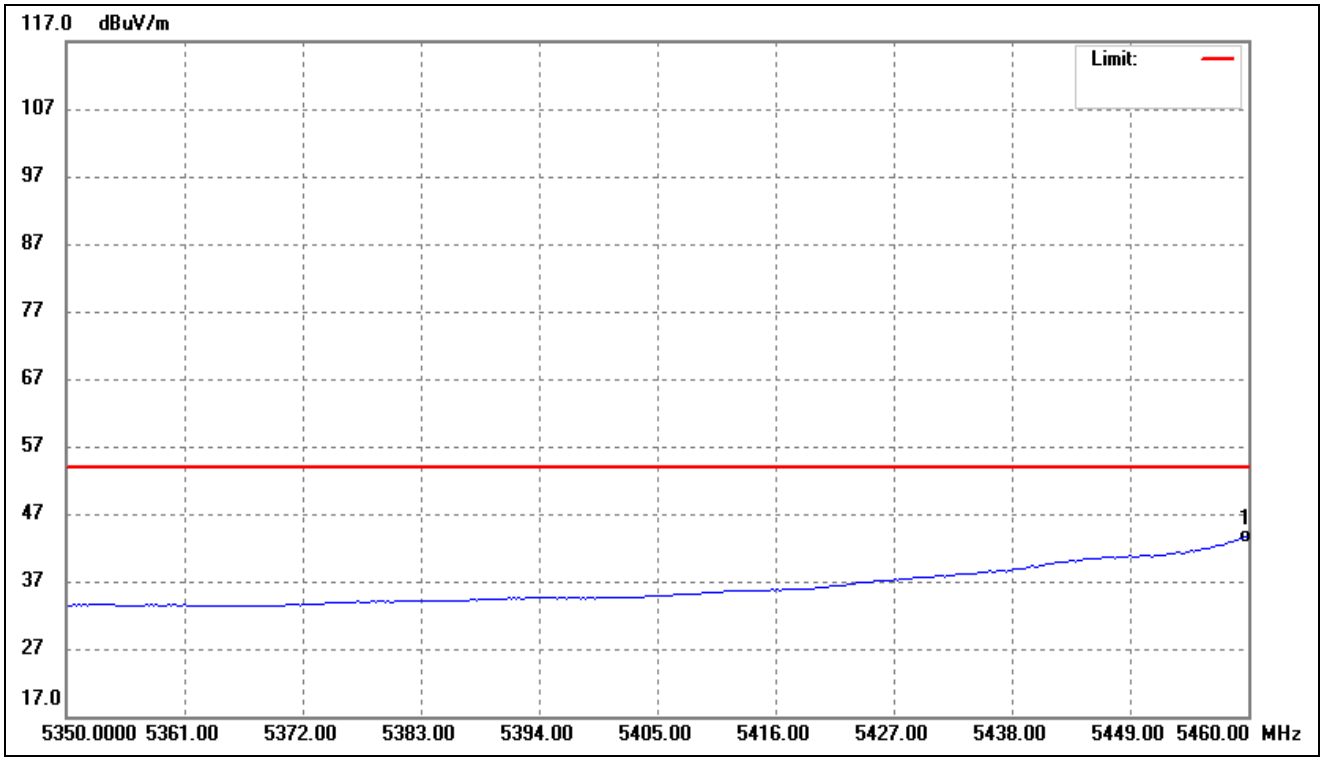
➢ 5470-5725MHz

802.11a- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



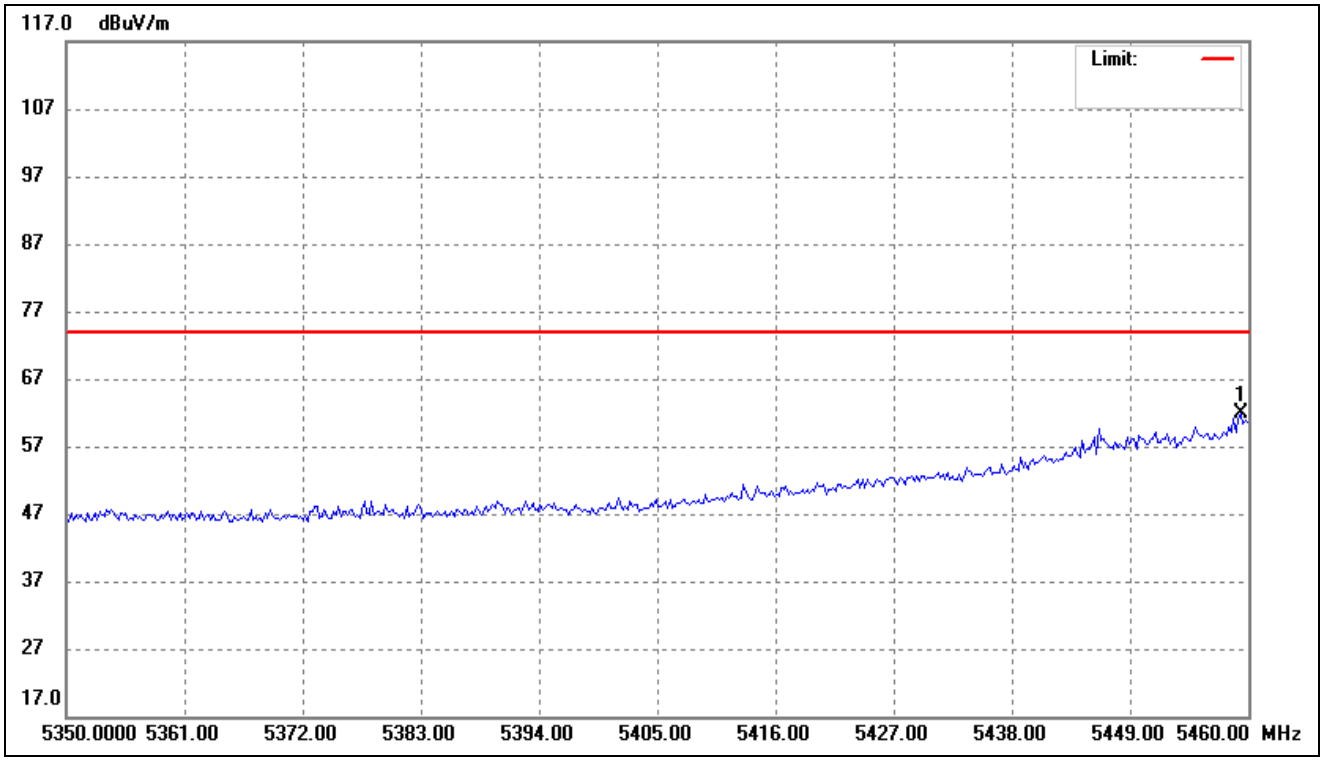
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5459.339	74.89	-10.13	64.76	74.00	-9.24	-	-	peak

802.11a- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



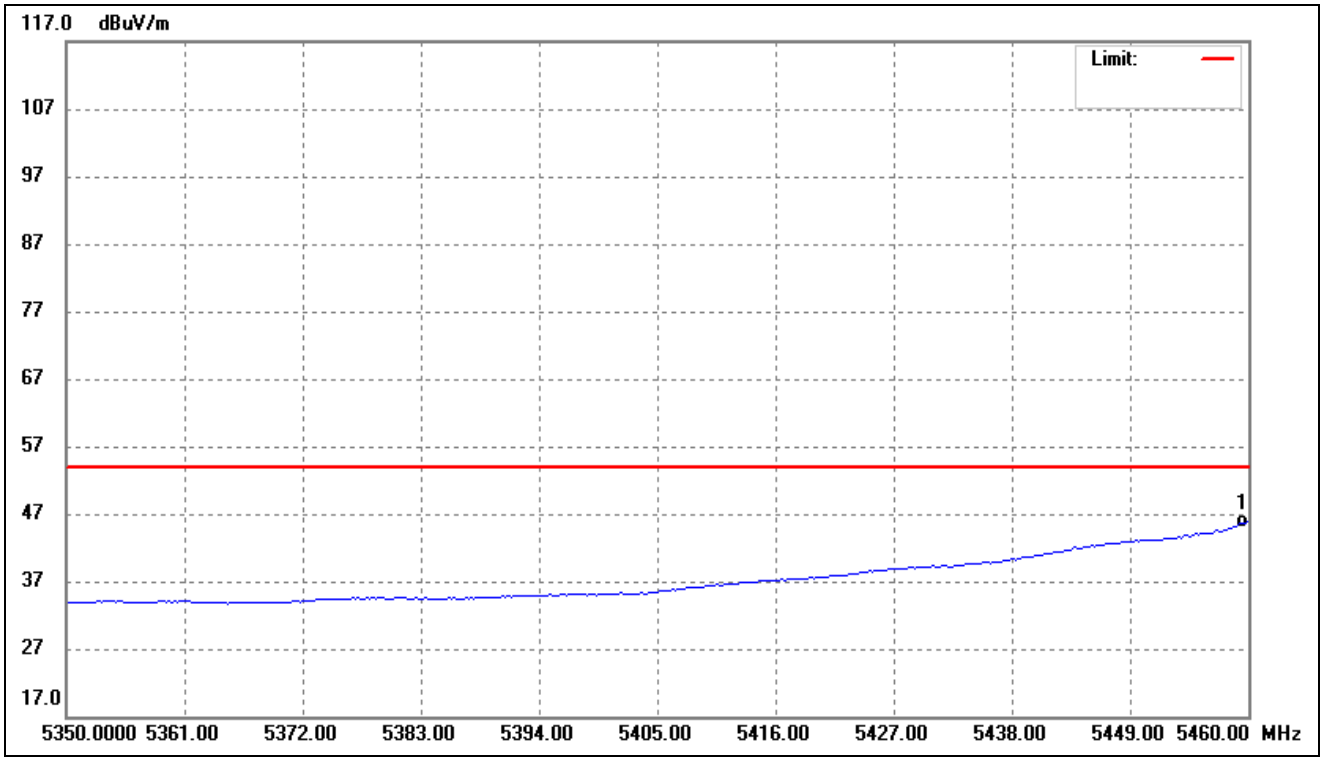
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5460.000	53.66	-10.13	43.53	54.00	-10.47	-	-	AVG

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



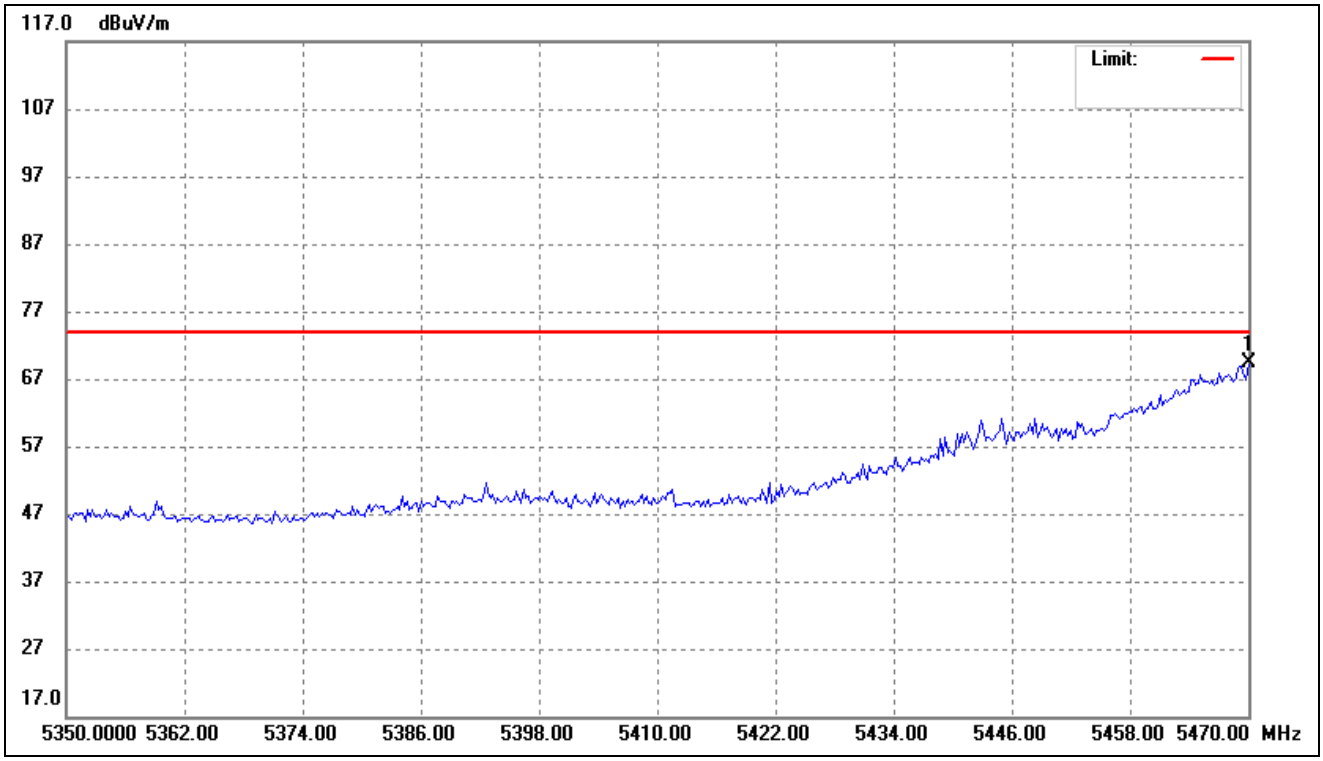
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5459.339	72.11	-10.13	61.98	74.00	-12.02	-	-	peak

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



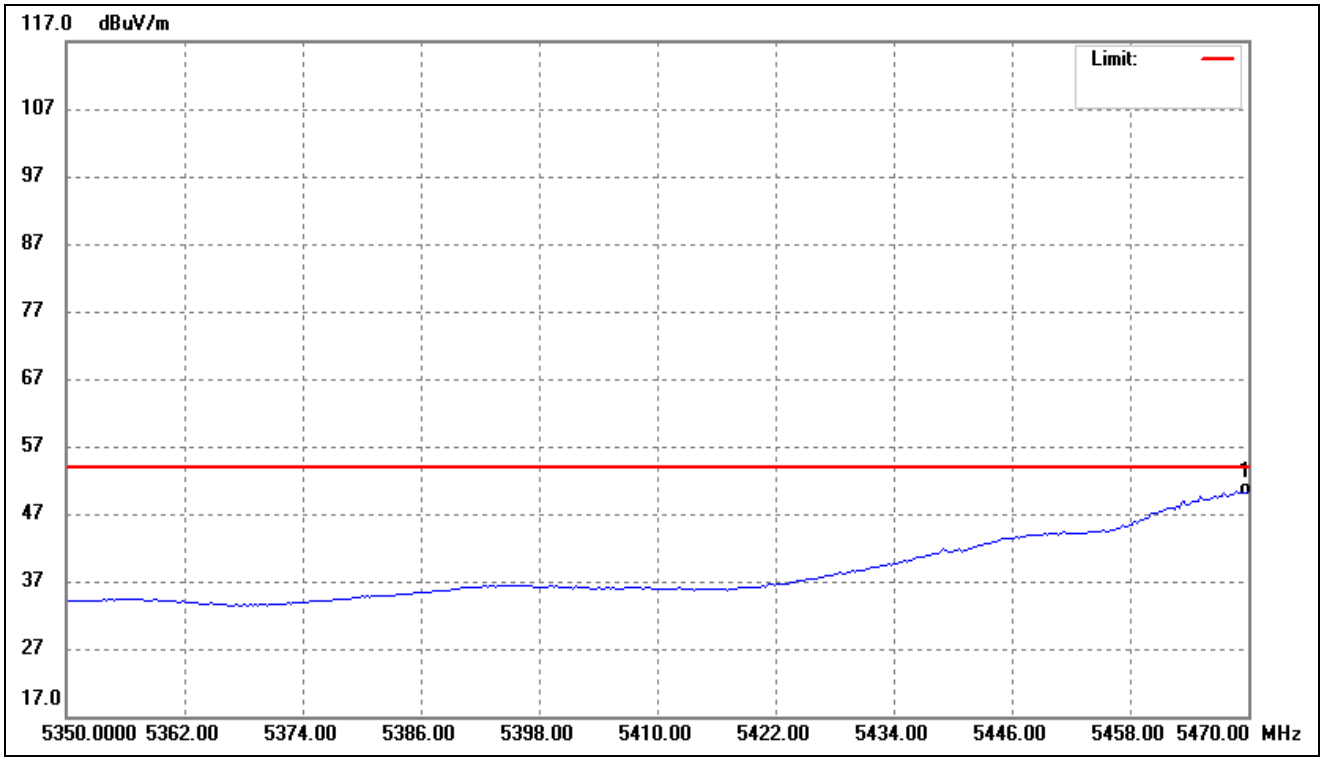
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5460.000	56.02	-10.13	45.89	54.00	-8.11	-	-	AVG

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



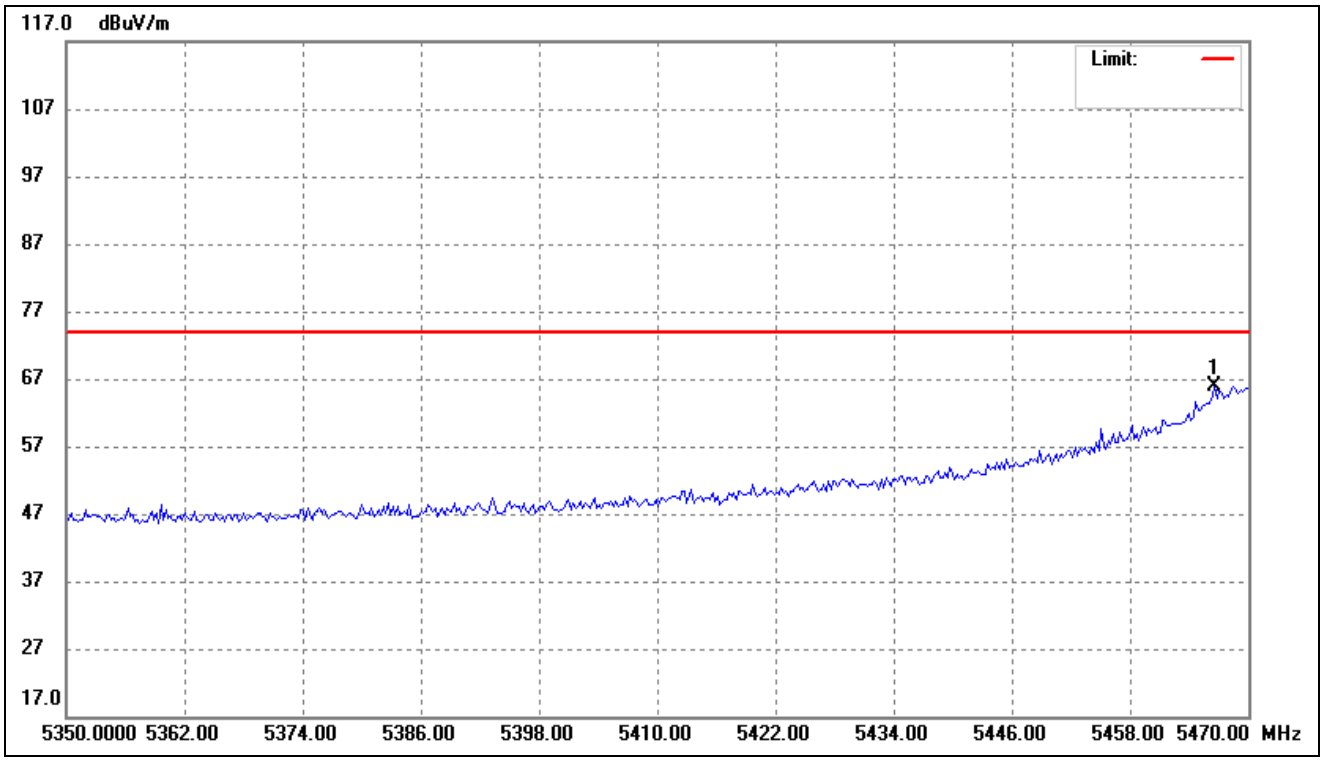
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	79.53	-10.08	69.45	74.00	-4.55	-	-	peak

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



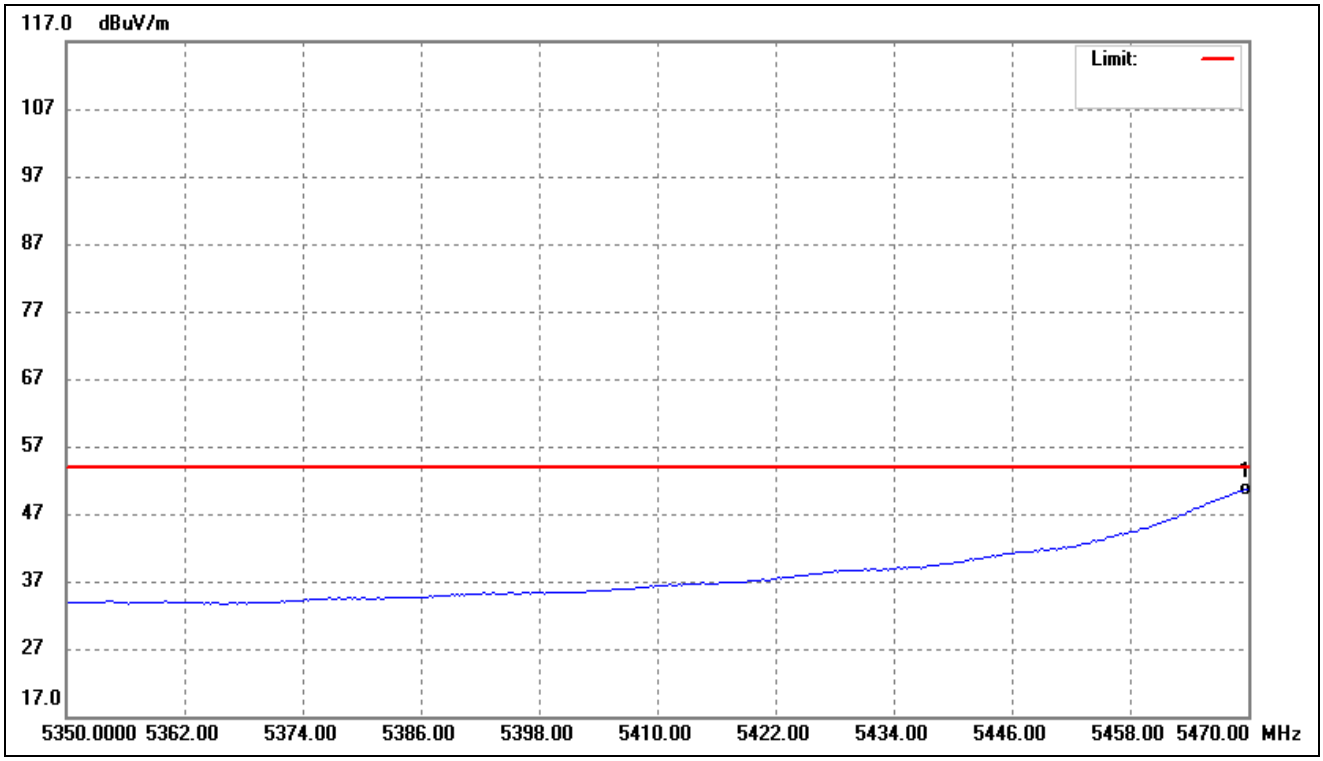
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	60.63	-10.08	50.55	54.00	-3.45	-	-	AVG

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



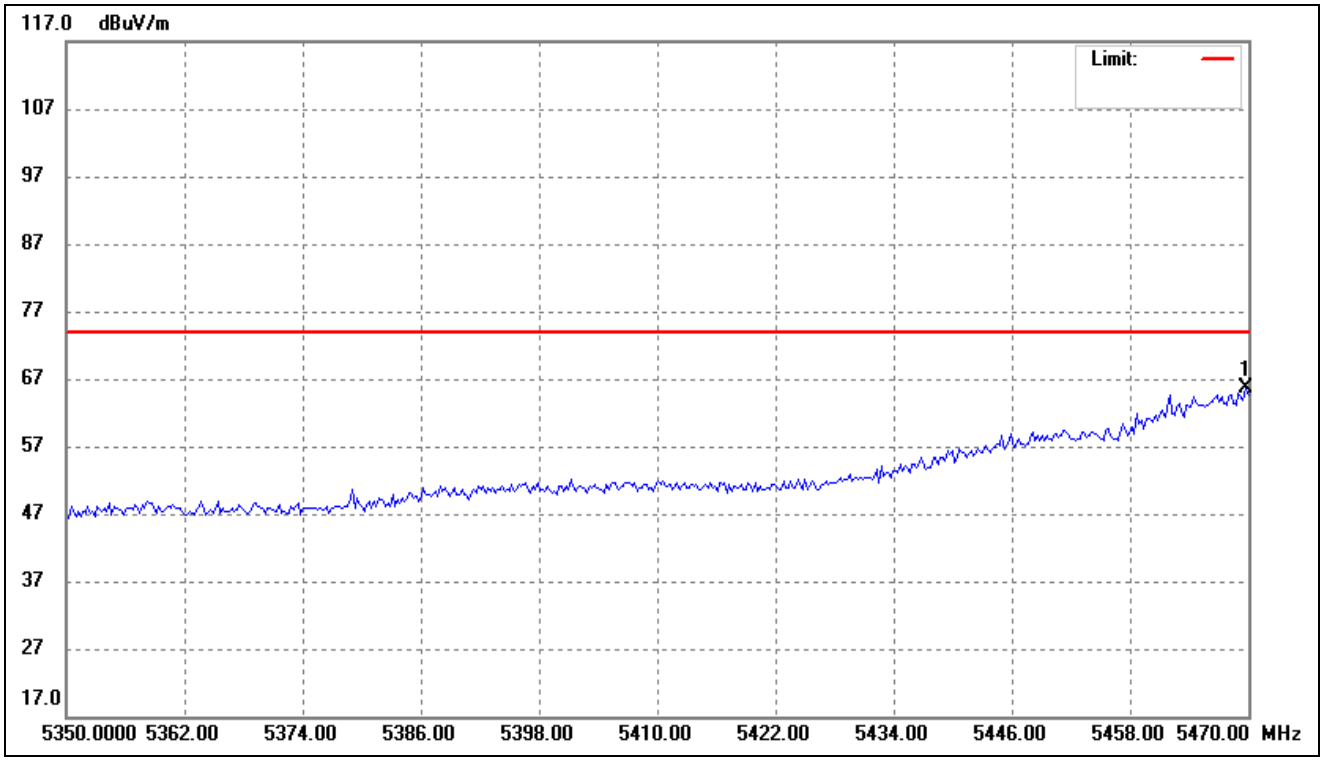
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5466.633	75.93	-10.10	65.83	74.00	-8.17	-	-	peak

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



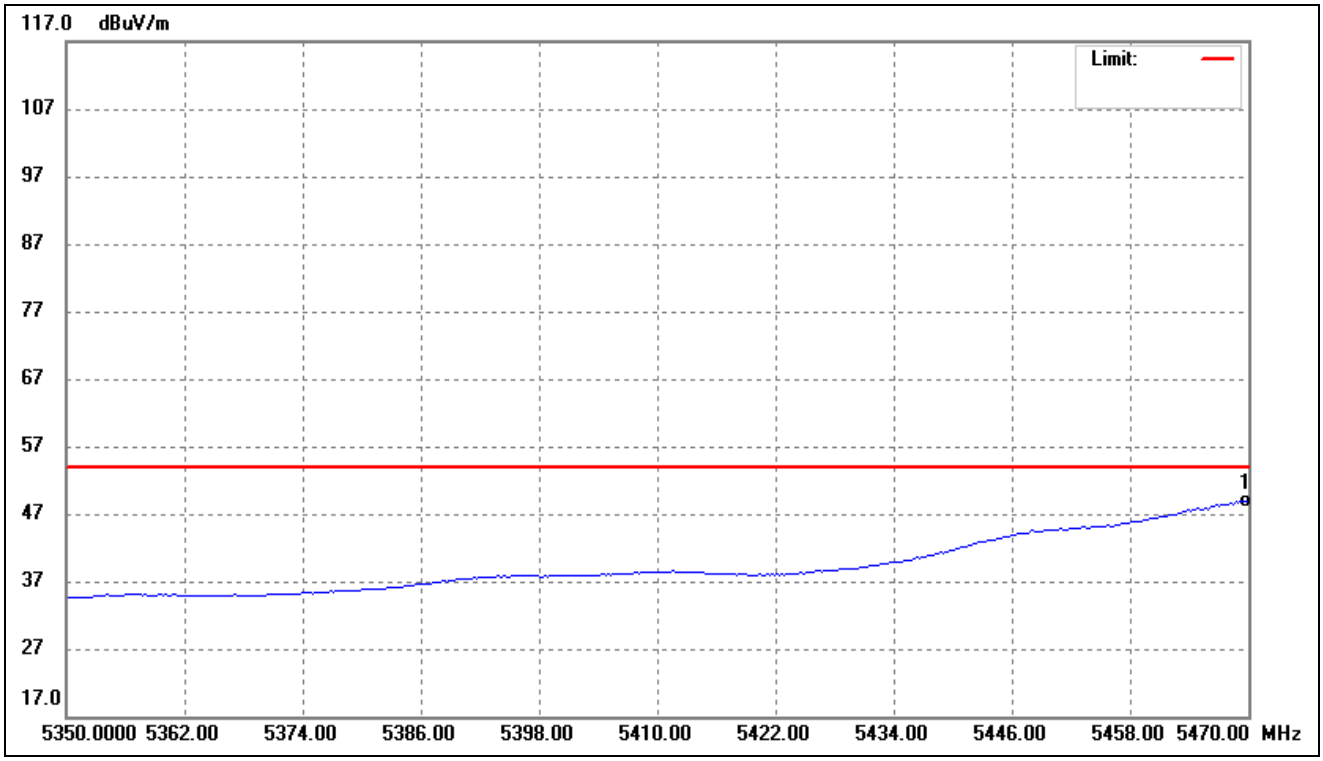
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	60.77	-10.08	50.69	54.00	-3.31	-	-	AVG

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



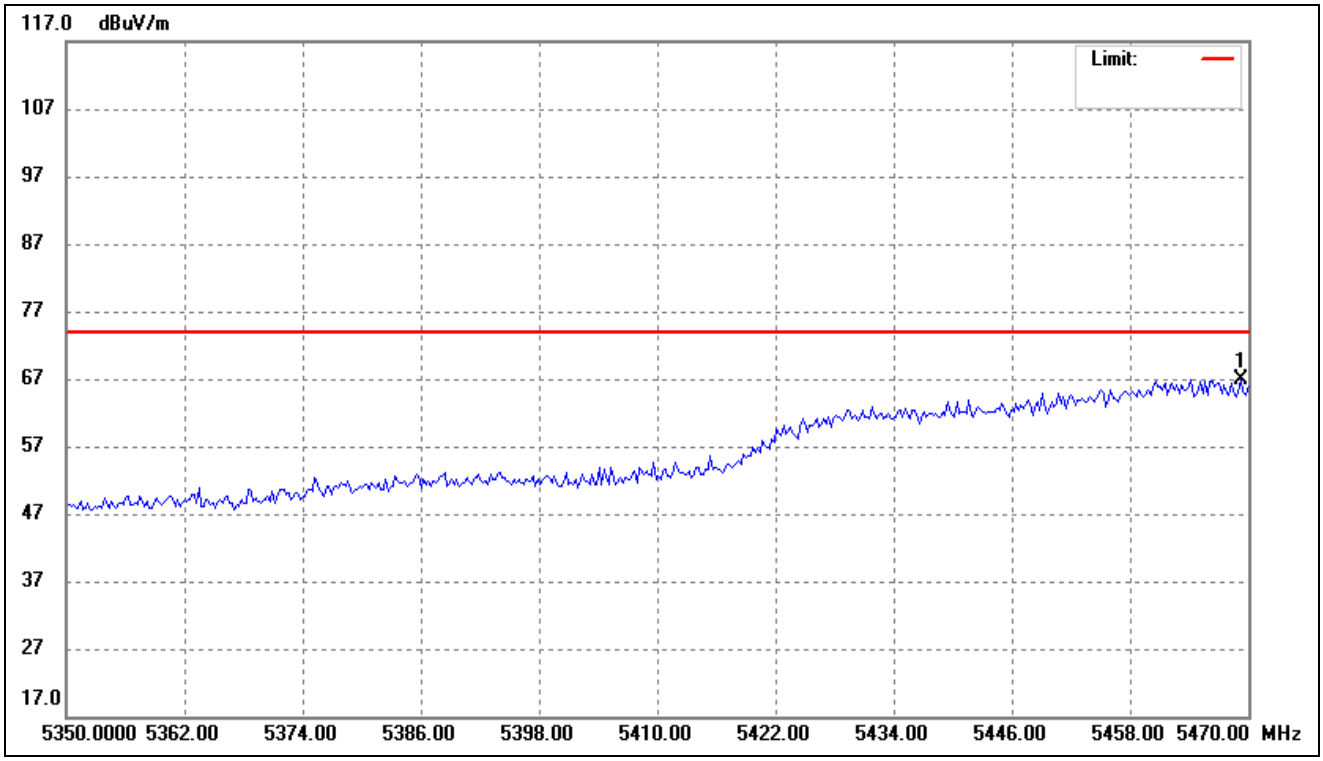
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.760	75.77	-10.09	65.68	74.00	-8.32	-	-	peak

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



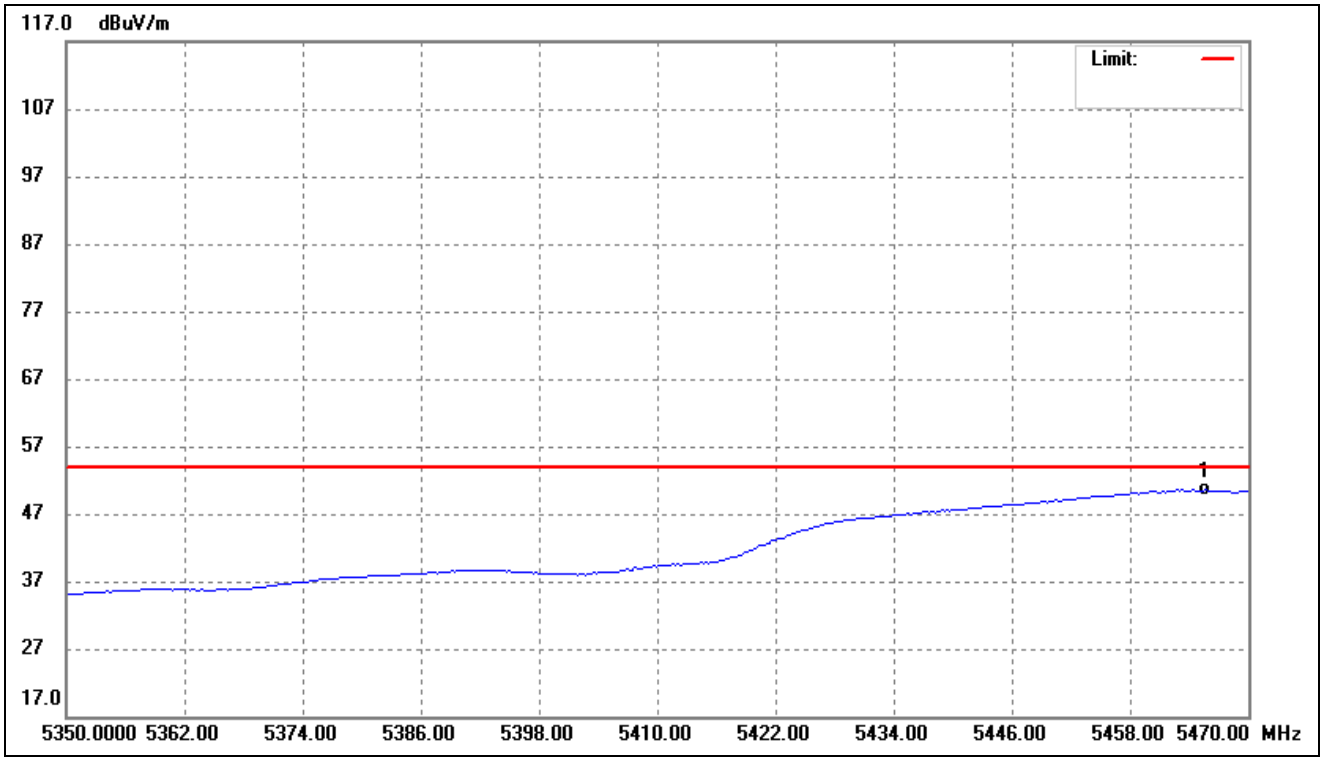
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.760	59.01	-10.09	48.92	54.00	-5.08	-	-	AVG

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



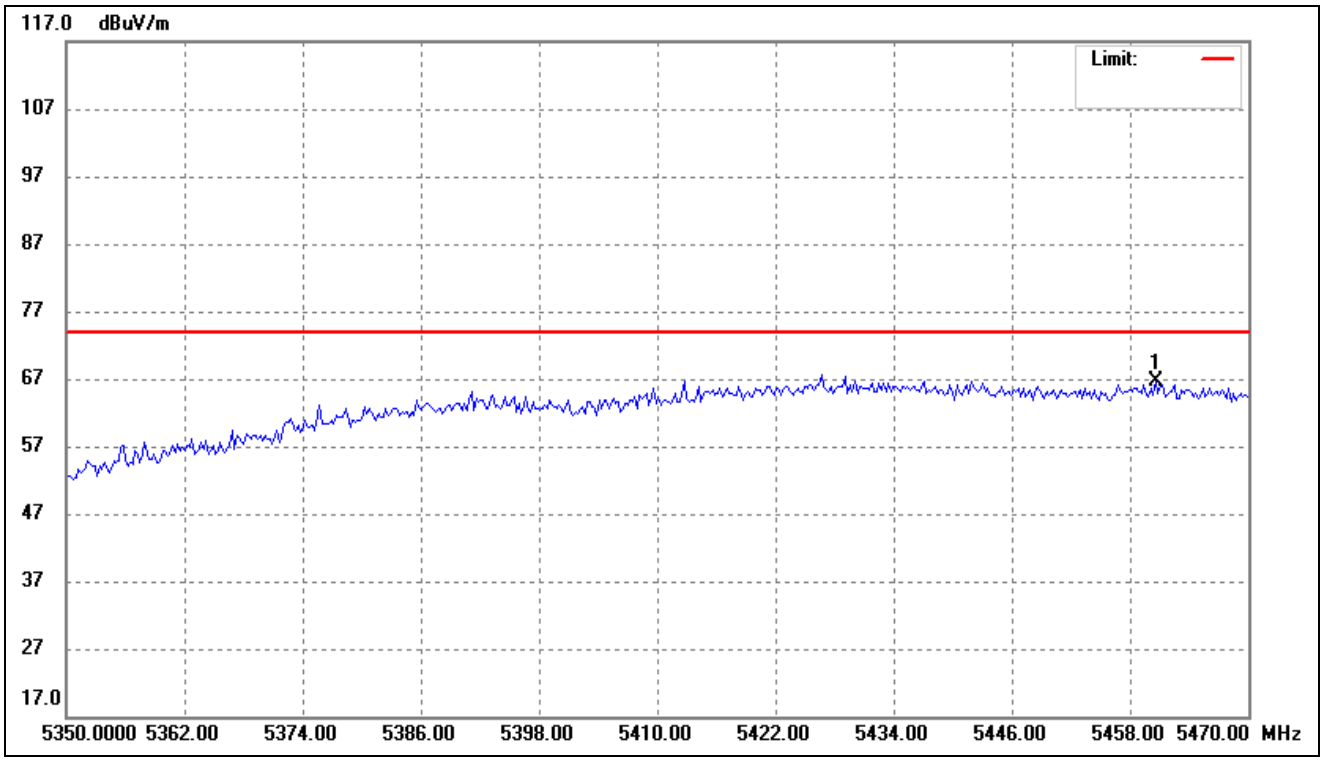
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.279	77.04	-10.09	66.95	74.00	-7.05	-	-	peak

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



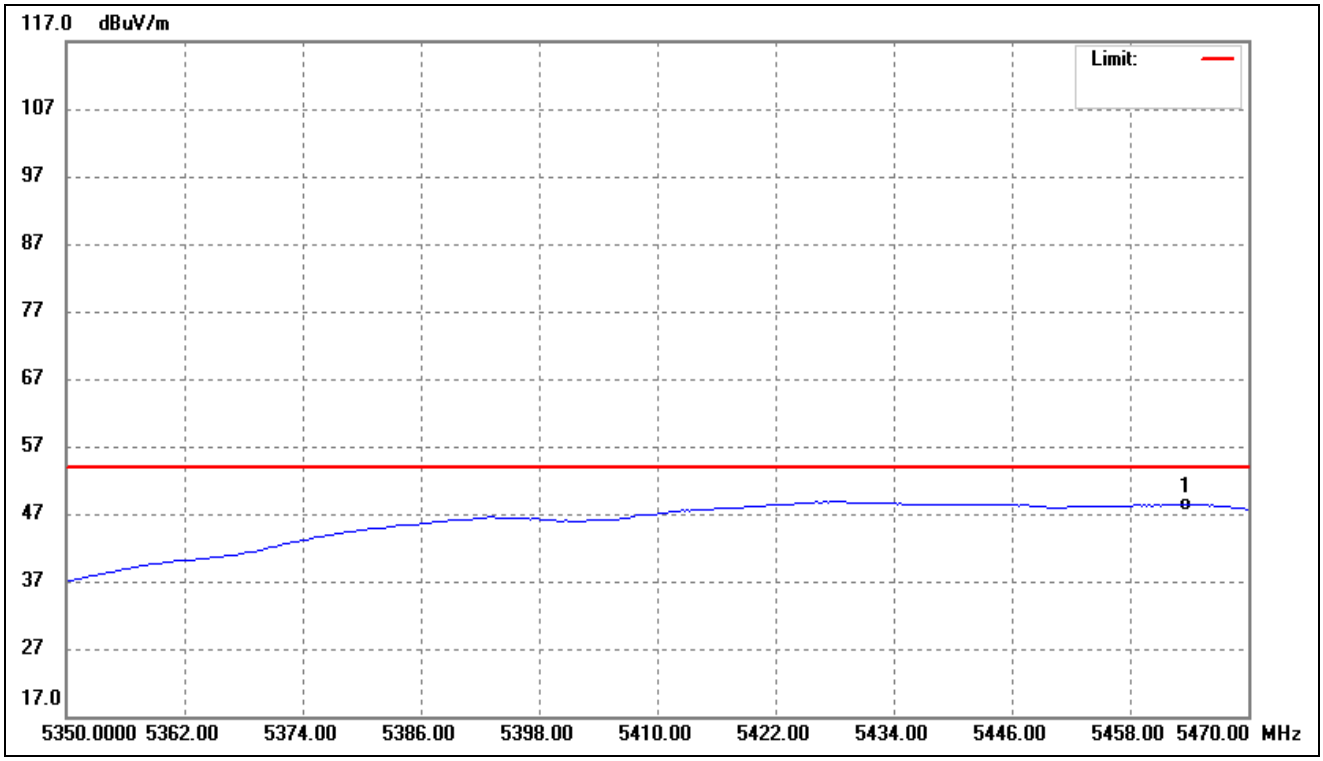
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5465.671	60.69	-10.10	50.59	54.00	-3.41	-	-	AVG

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



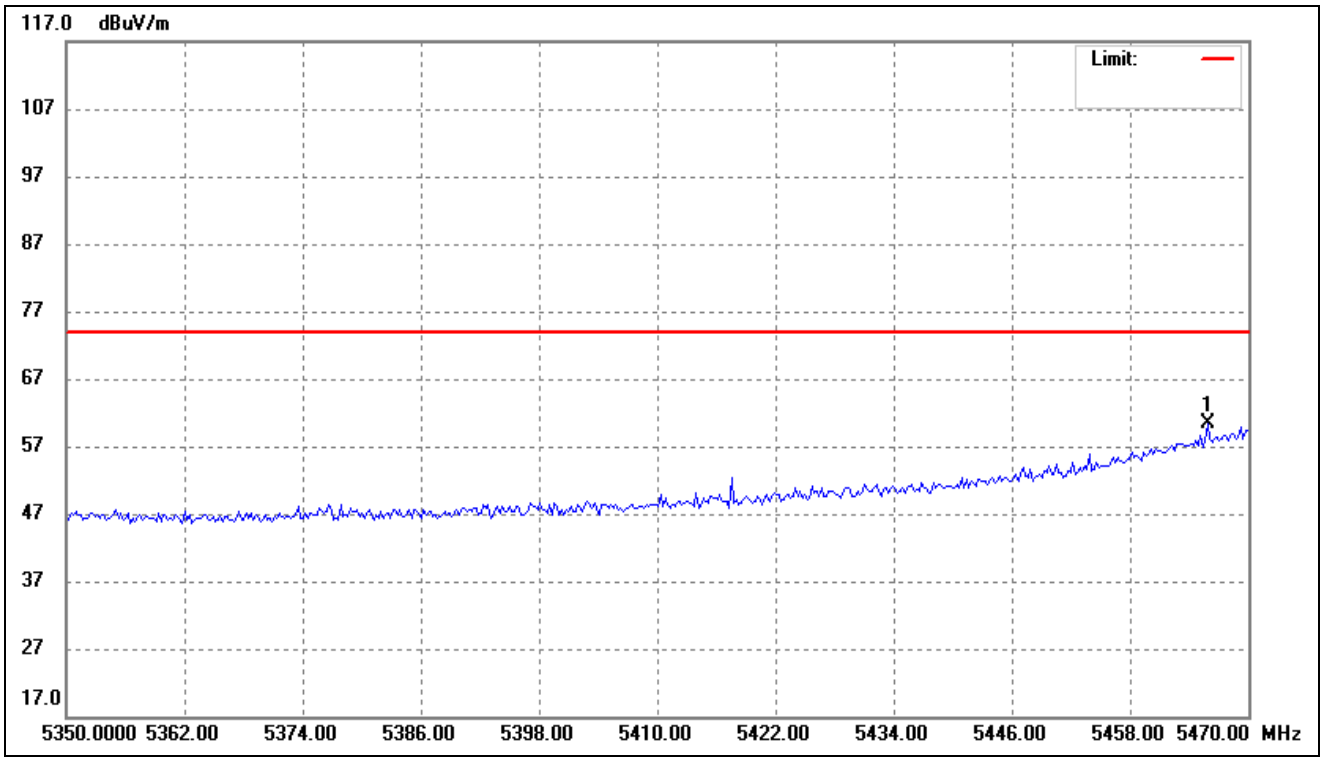
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5460.621	76.75	-10.13	66.62	74.00	-7.38	-	-	peak

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



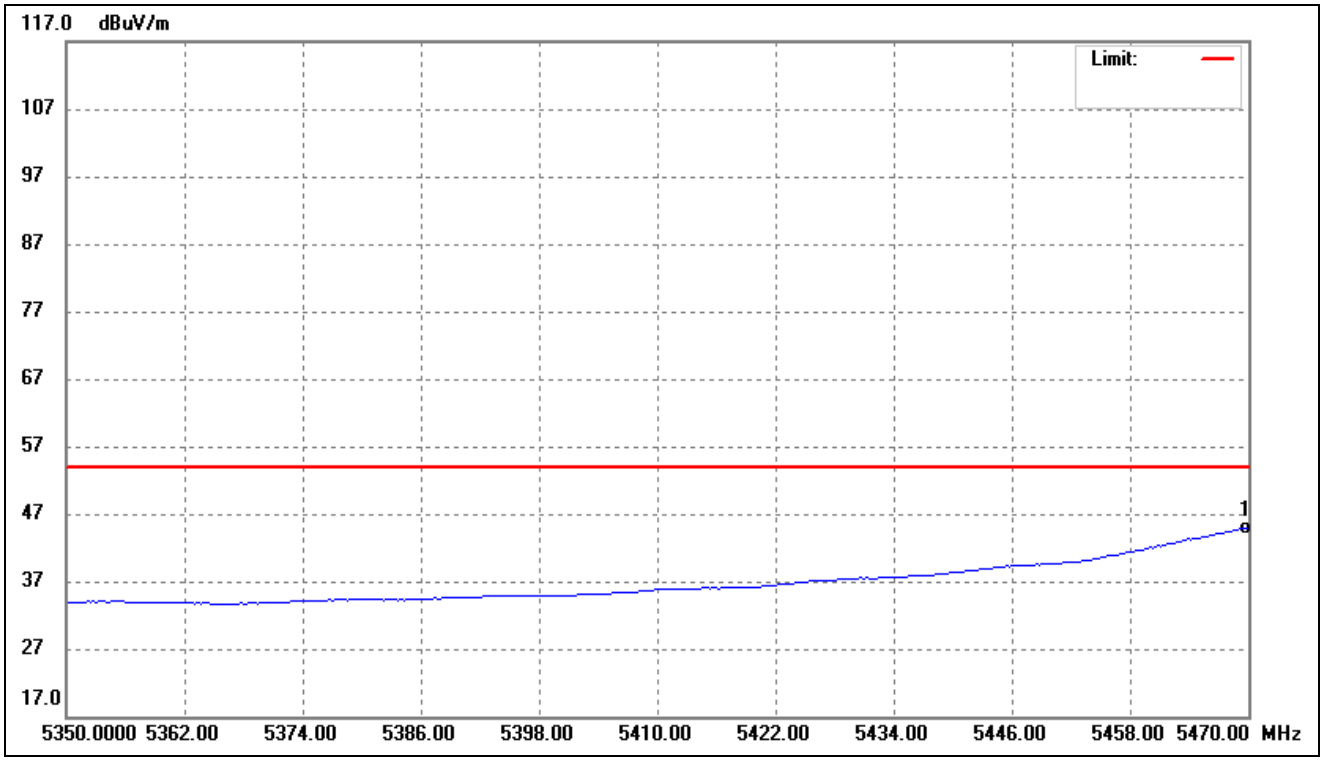
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5463.747	58.58	-10.12	48.46	54.00	-5.54	-	-	AVG

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



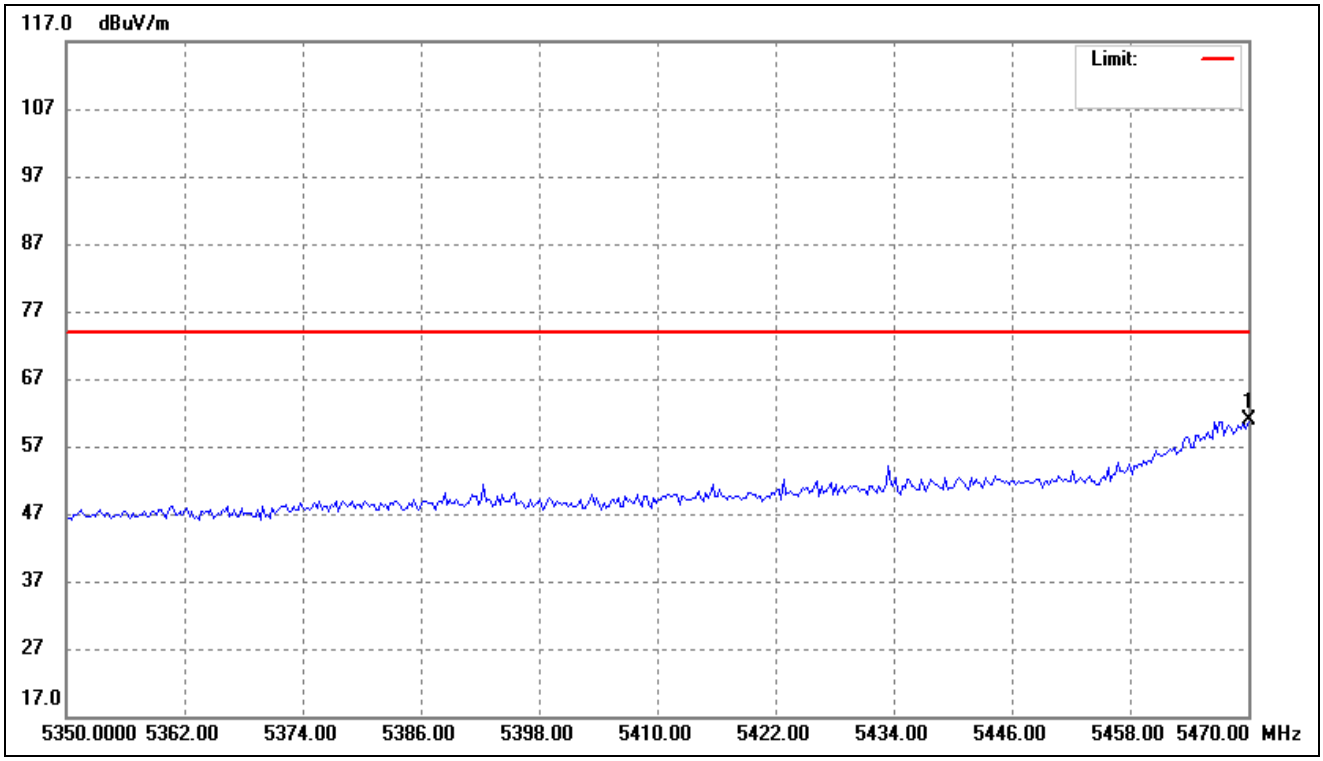
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5465.912	70.37	-10.10	60.27	74.00	-13.73	-	-	peak

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



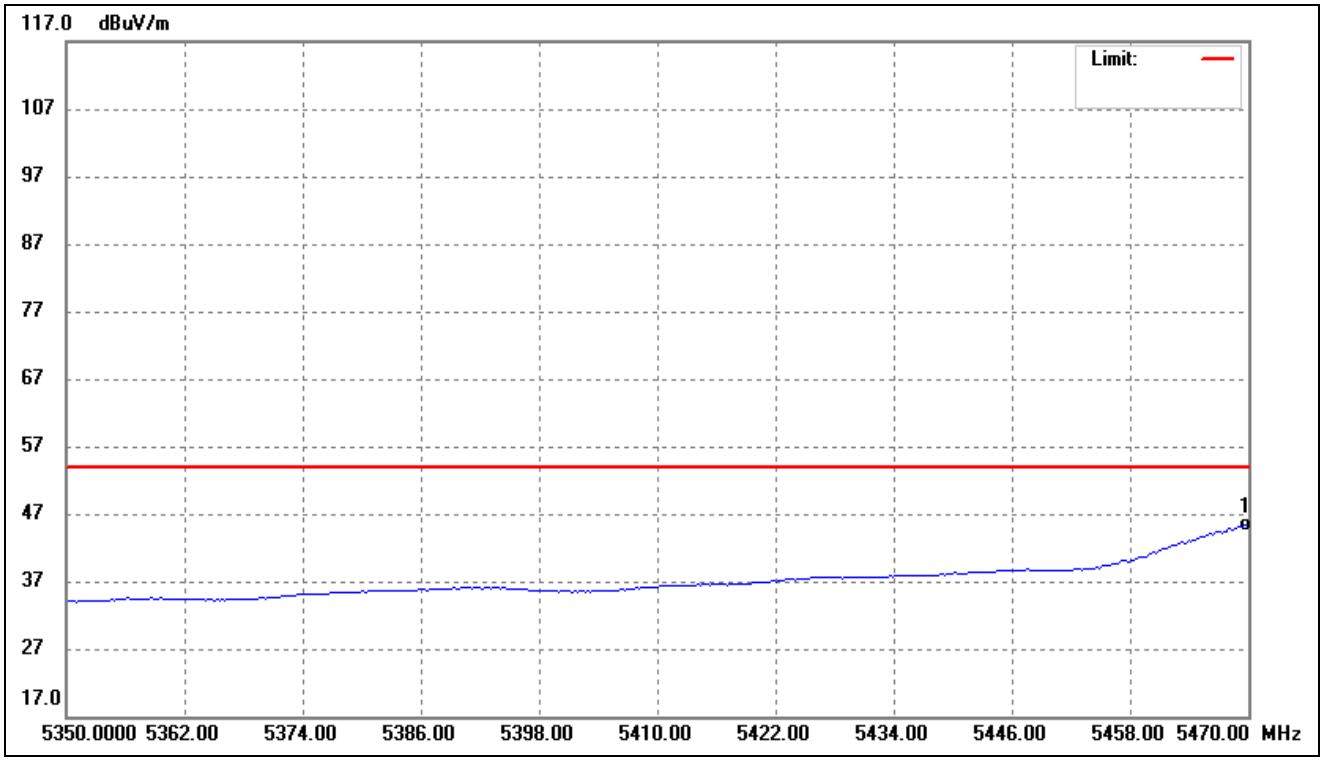
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	54.98	-10.08	44.90	54.00	-9.10	-	-	AVG

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



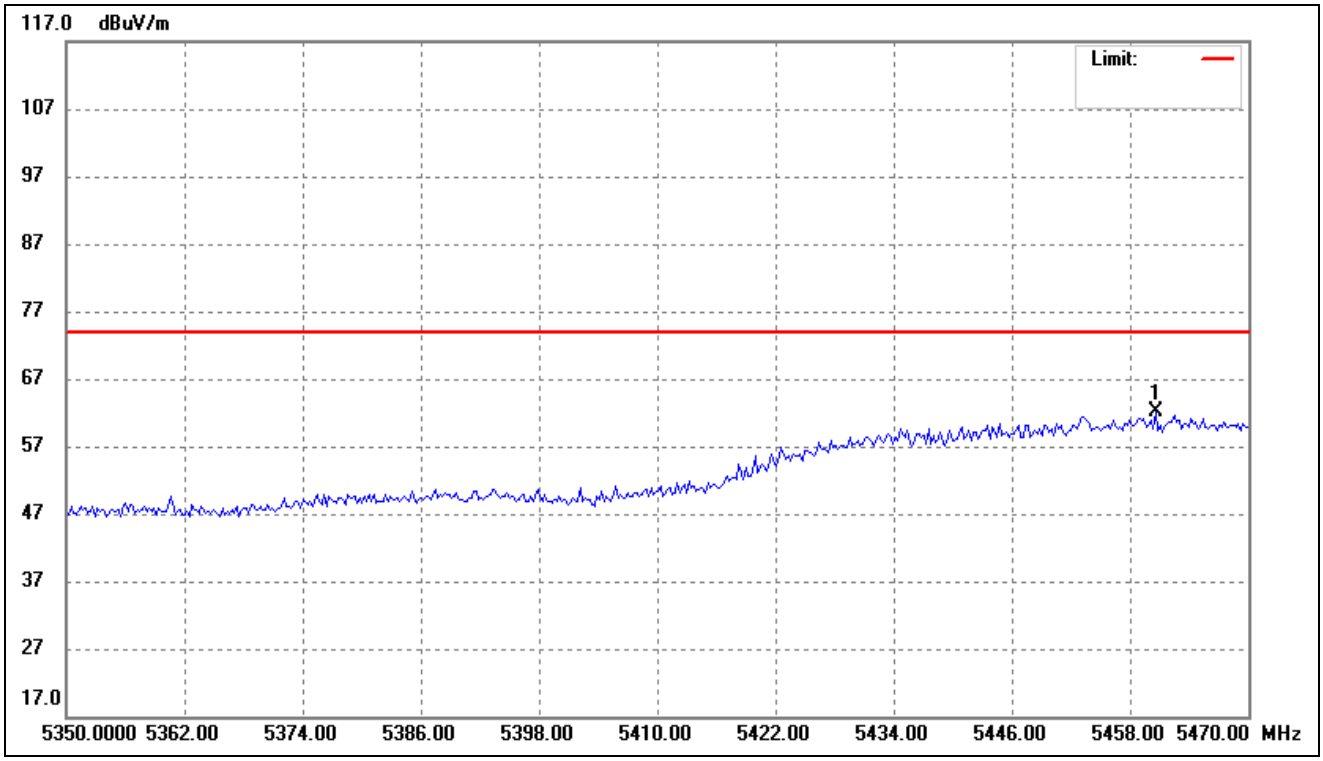
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	71.00	-10.08	60.92	74.00	-13.08	-	-	peak

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



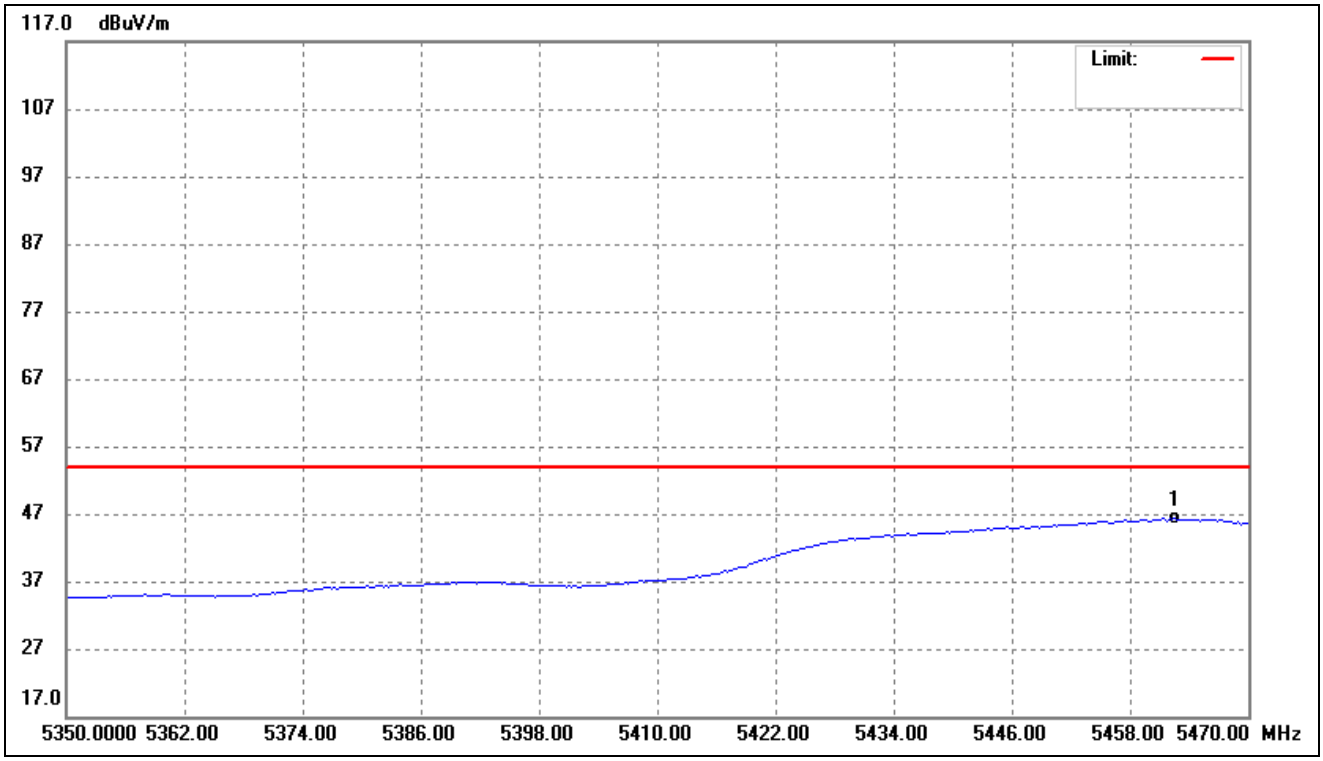
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	55.42	-10.08	45.34	54.00	-8.66	-	-	AVG

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



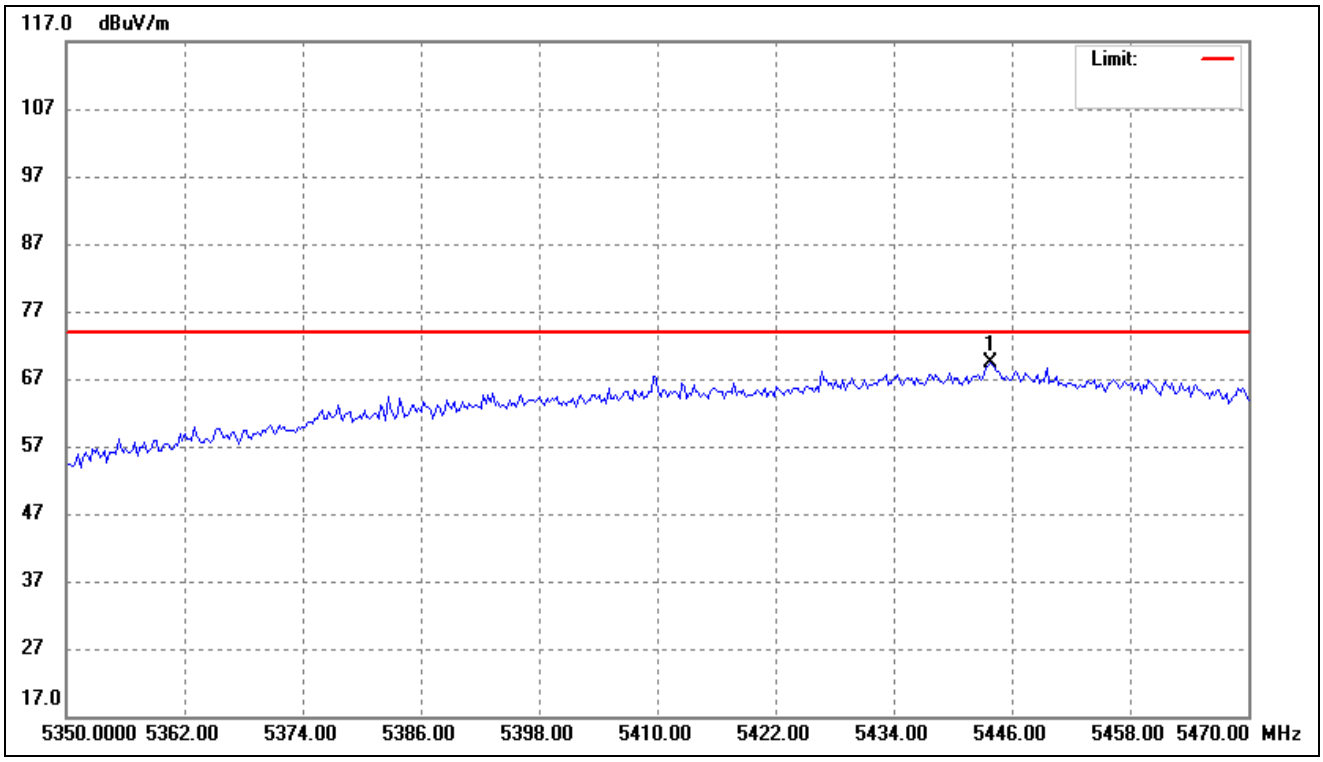
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5460.621	72.26	-10.13	62.13	74.00	-11.87	-	-	peak

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



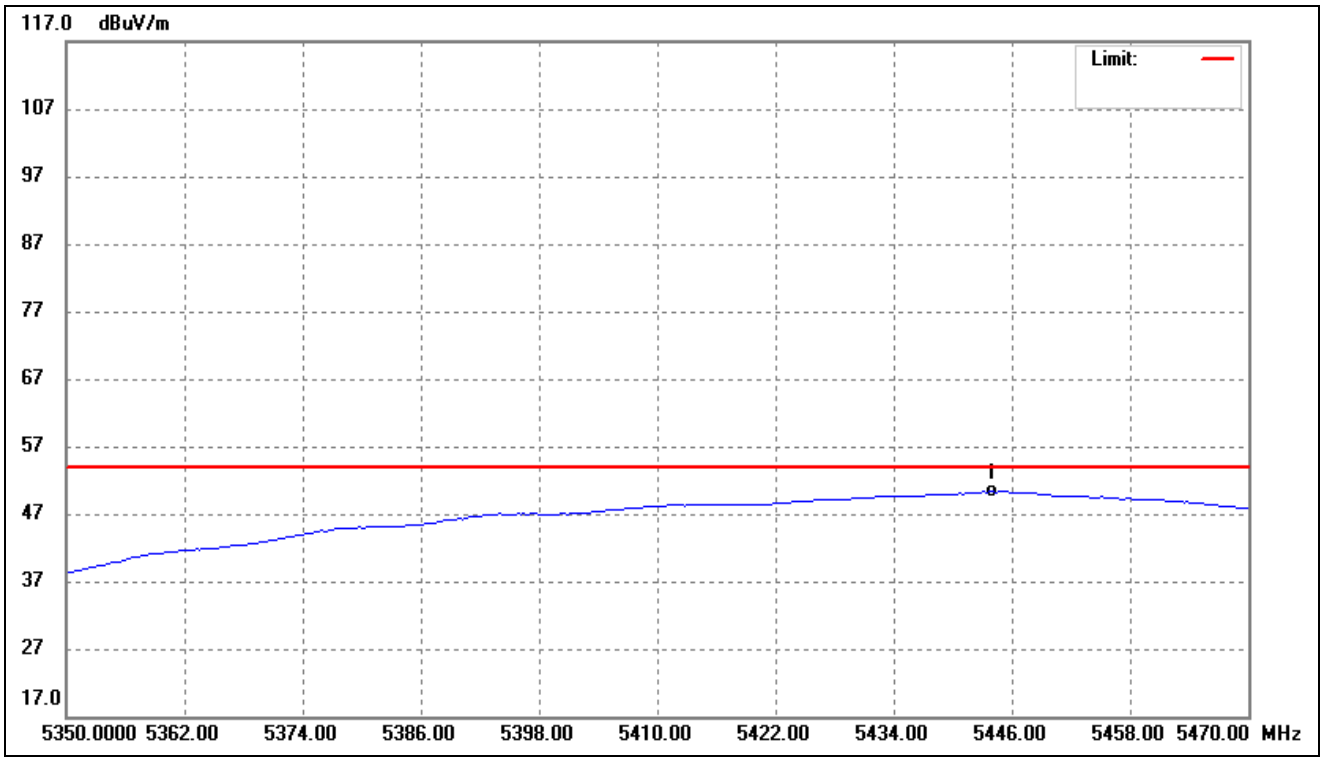
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5462.545	56.47	-10.12	46.35	54.00	-7.65	-	-	AVG

802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	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	5443.788	79.69	-10.22	69.47	74.00	-4.53	-	-	peak

802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)

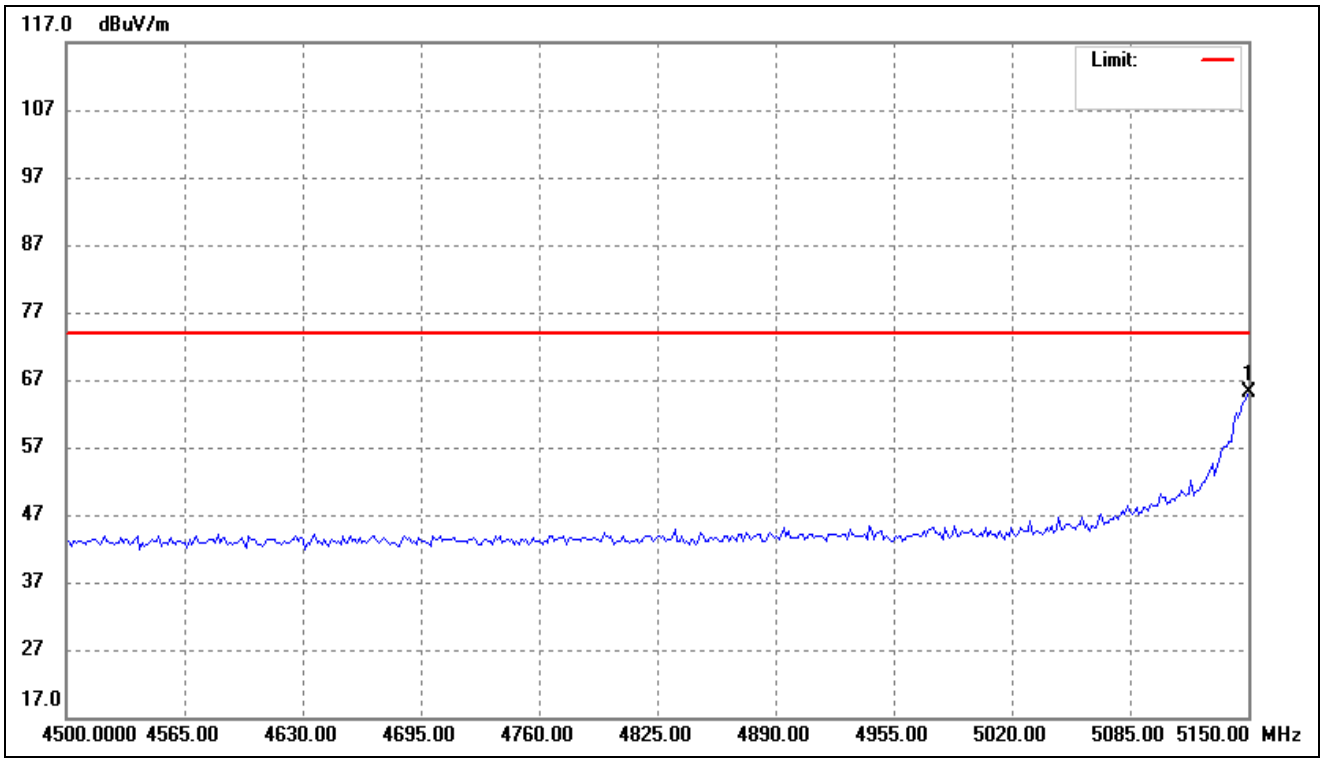


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5444.028	60.51	-10.21	50.30	54.00	-3.70	-	-	AVG

➢ Antenna 1

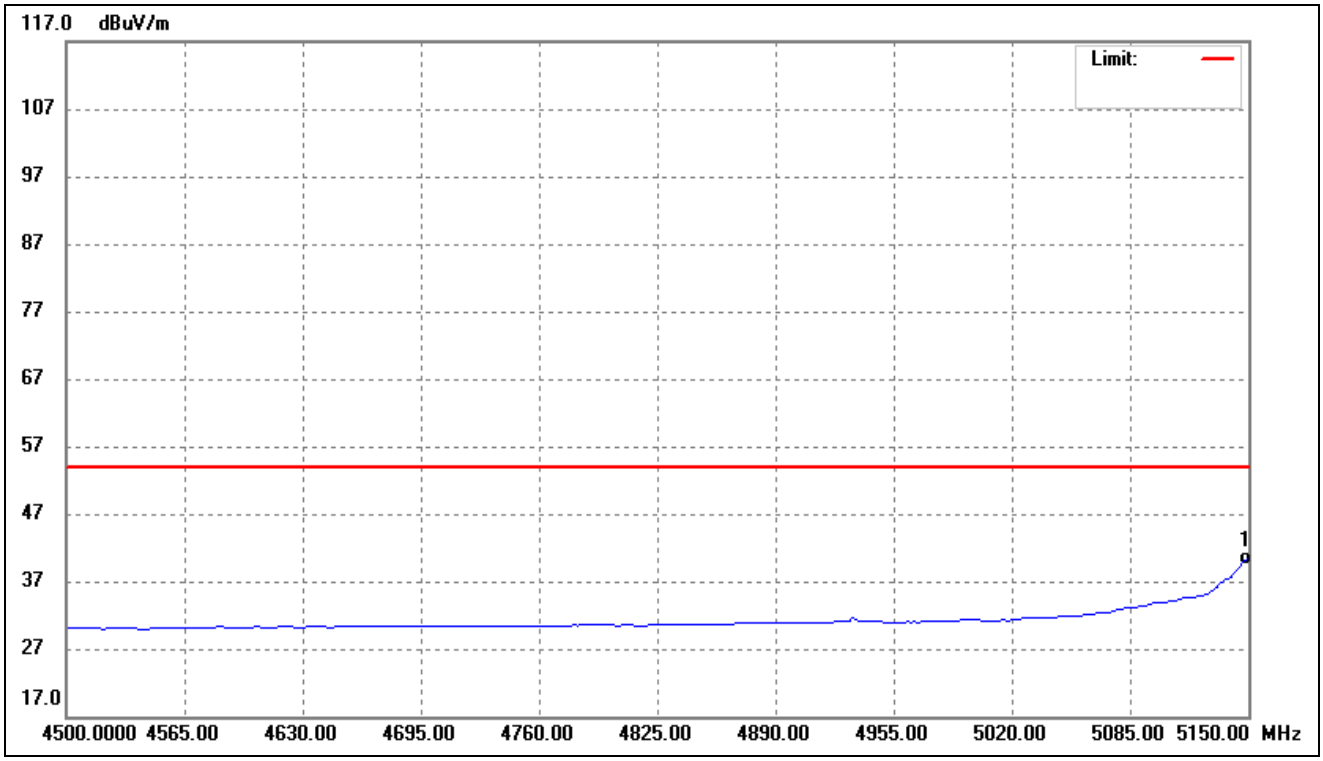
5150-5250MHz

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



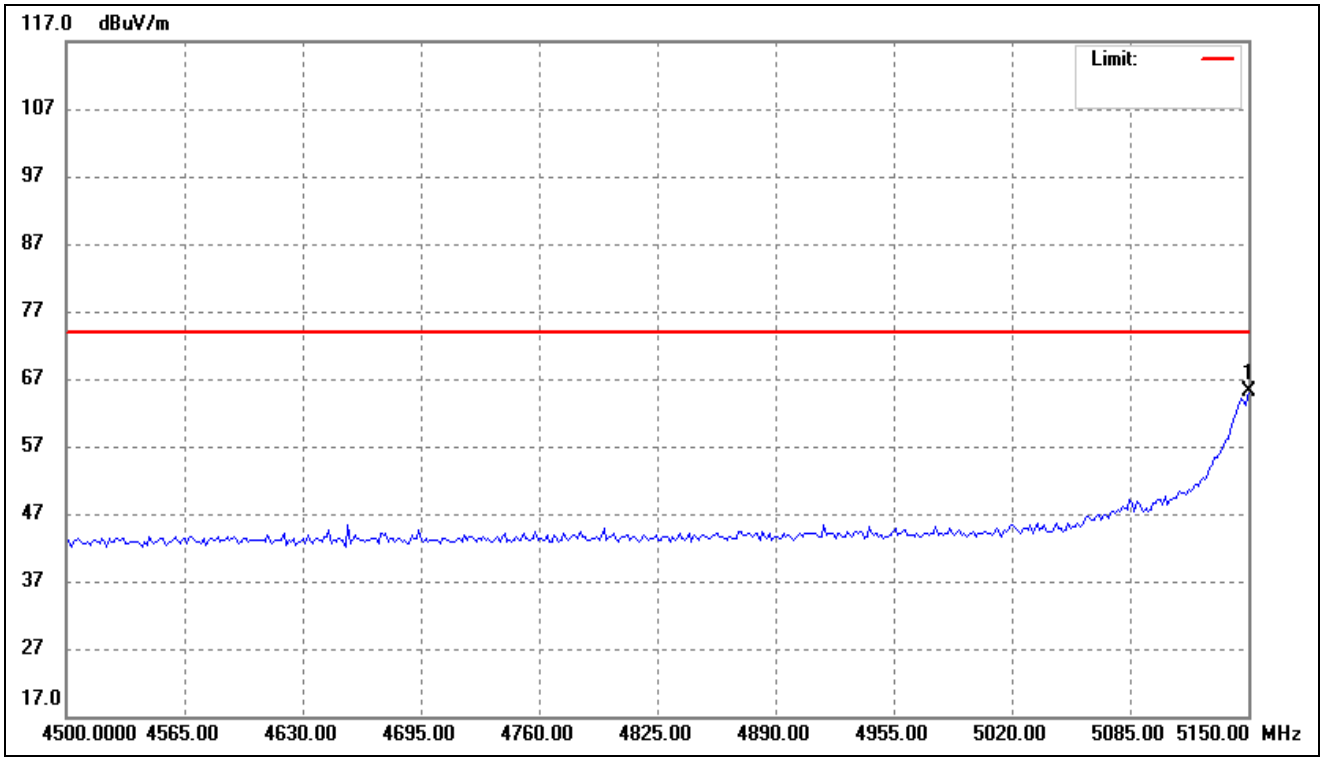
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	76.76	-11.65	65.11	74.00	-8.89	-	-	peak

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



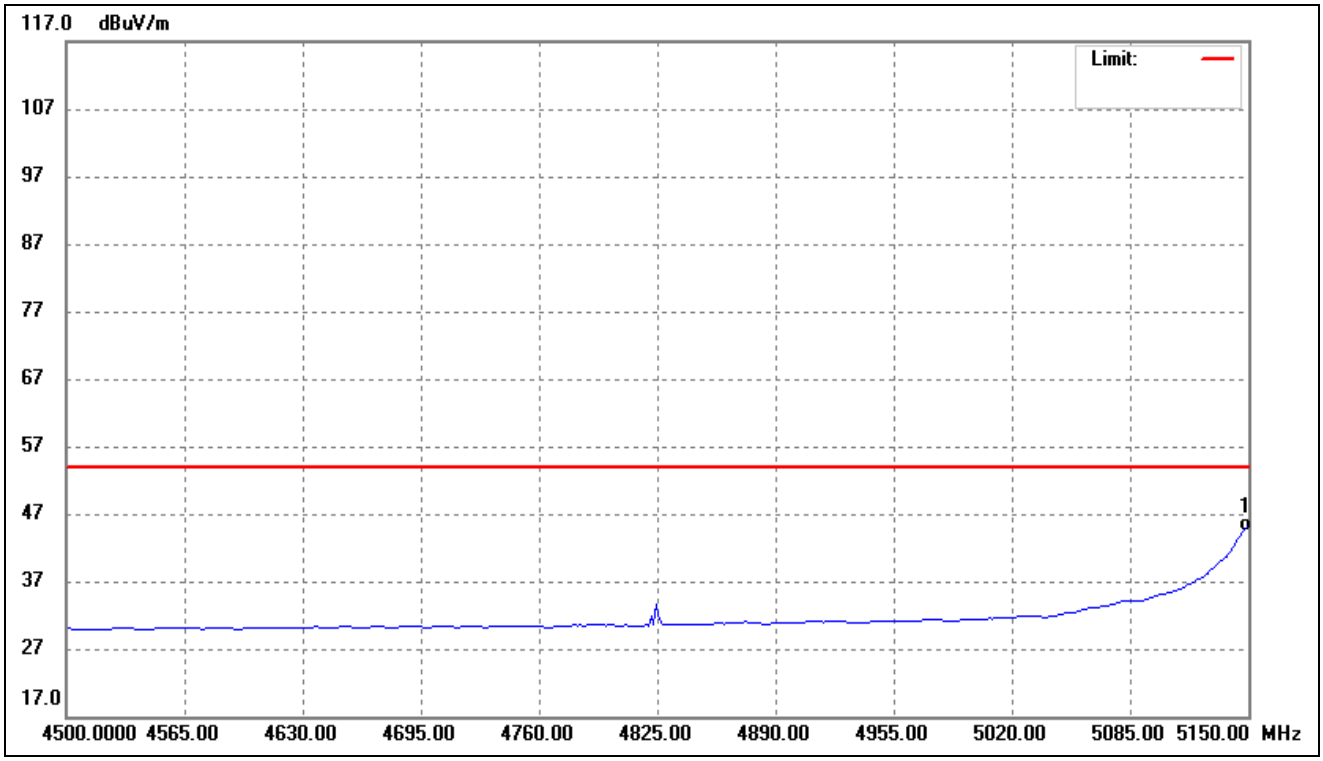
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	52.09	-11.65	40.44	54.00	-13.56	-	-	AVG

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



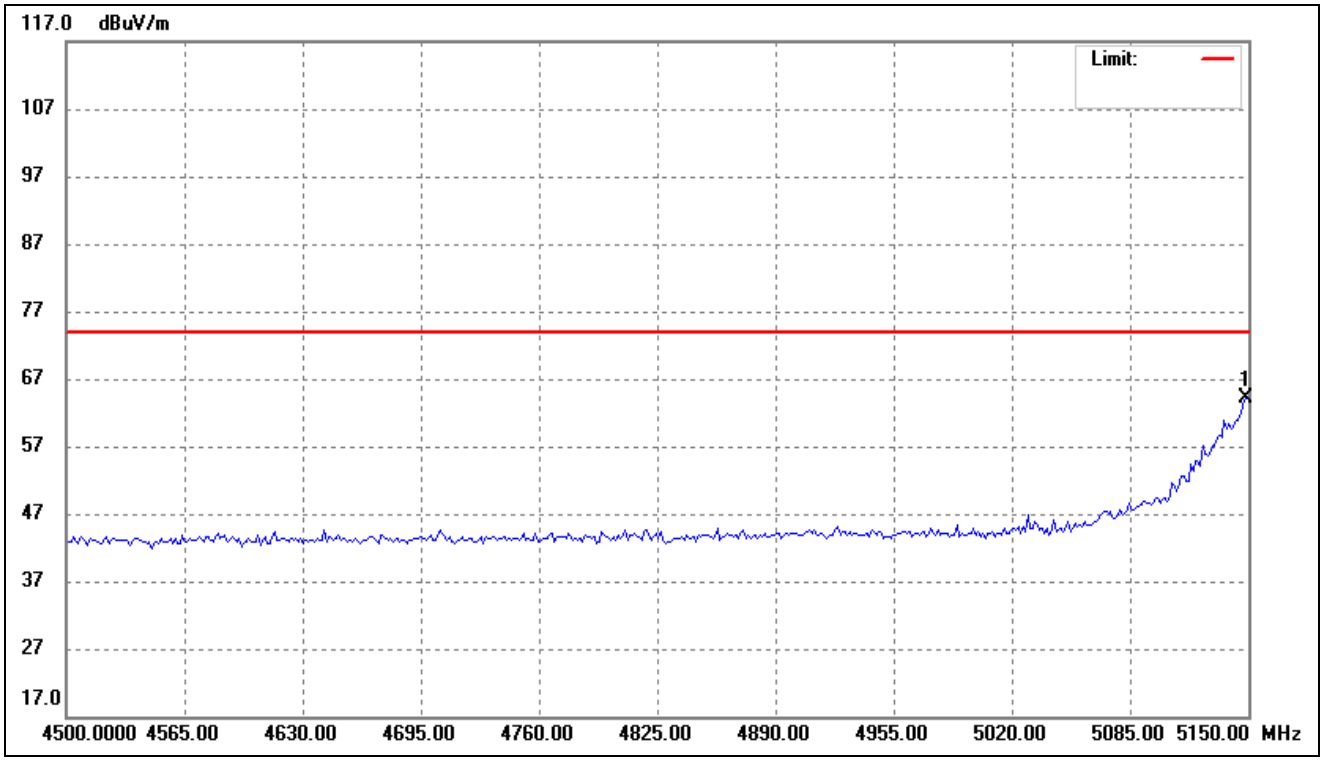
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	76.70	-11.65	65.05	74.00	-8.95	-	-	peak

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



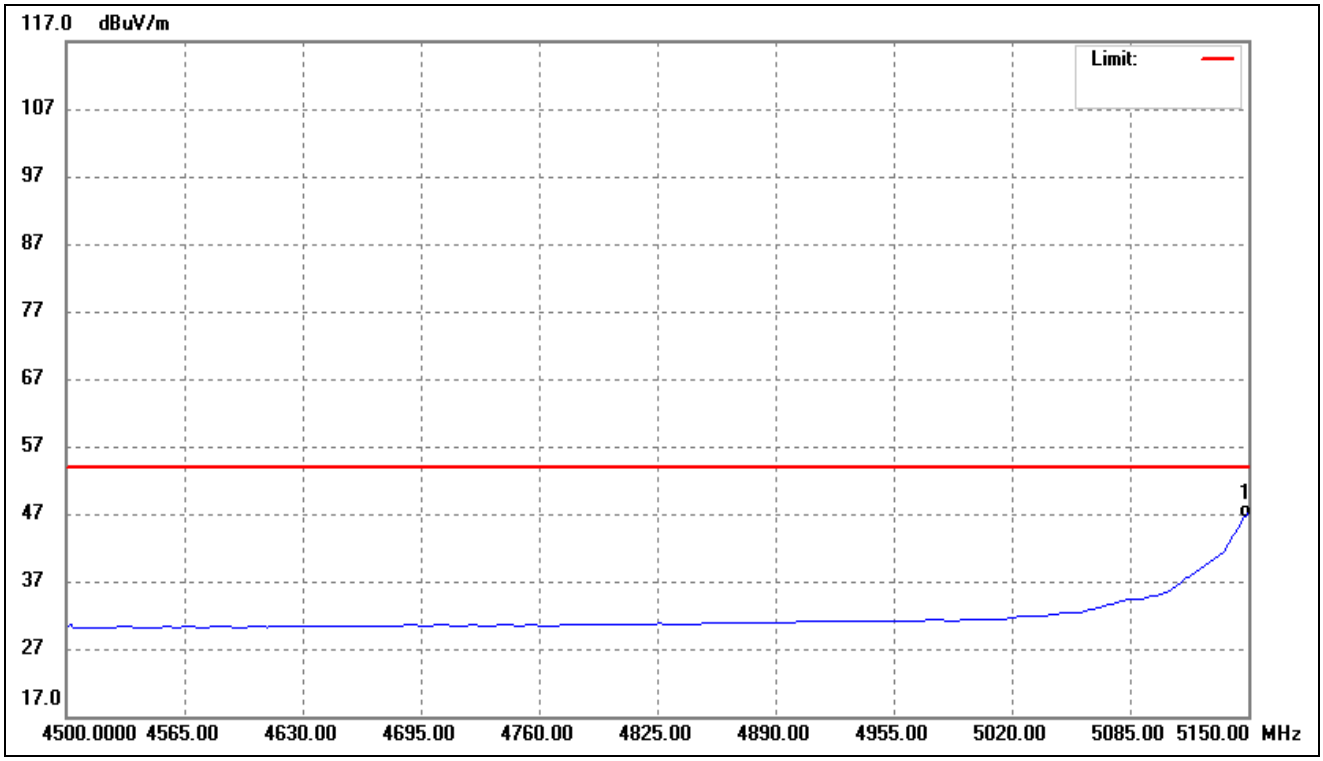
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	57.00	-11.65	45.35	54.00	-8.65	-	-	AVG

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



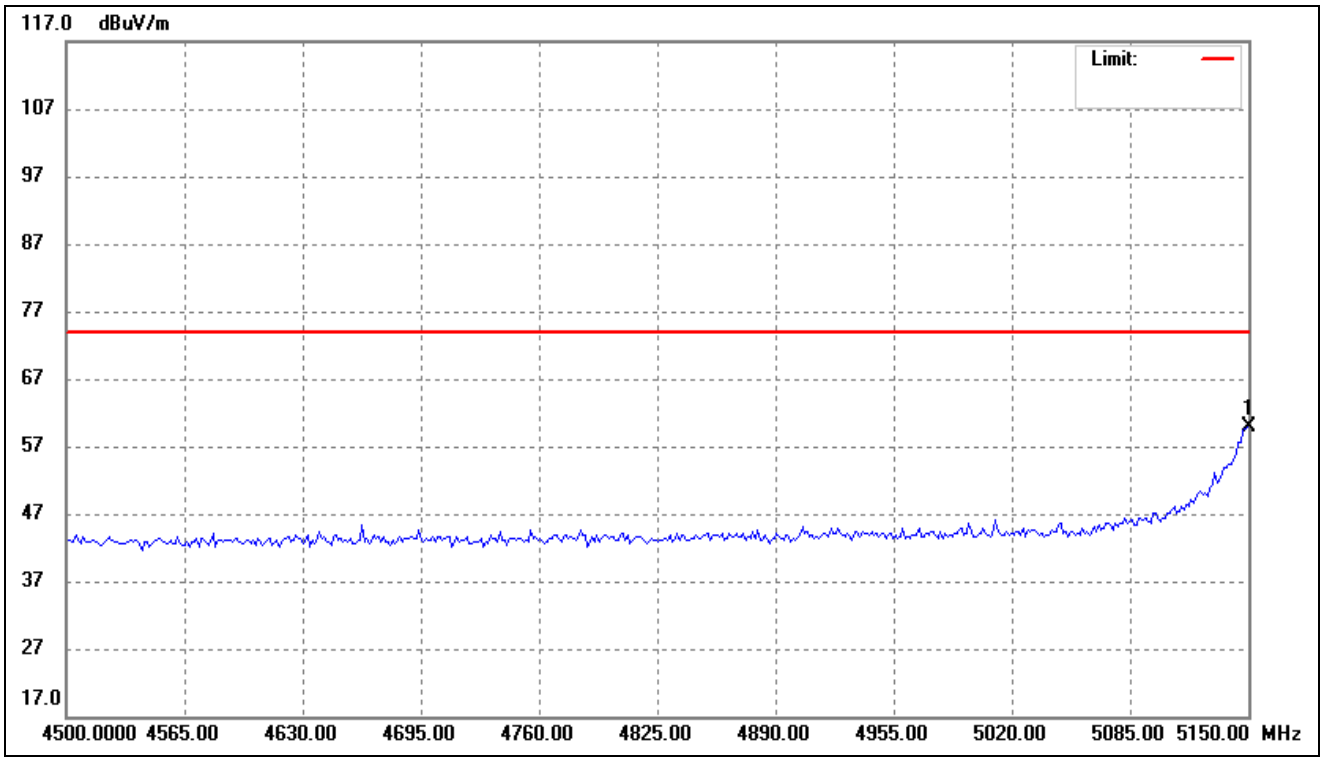
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	75.87	-11.66	64.21	74.00	-9.79	-	-	peak

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



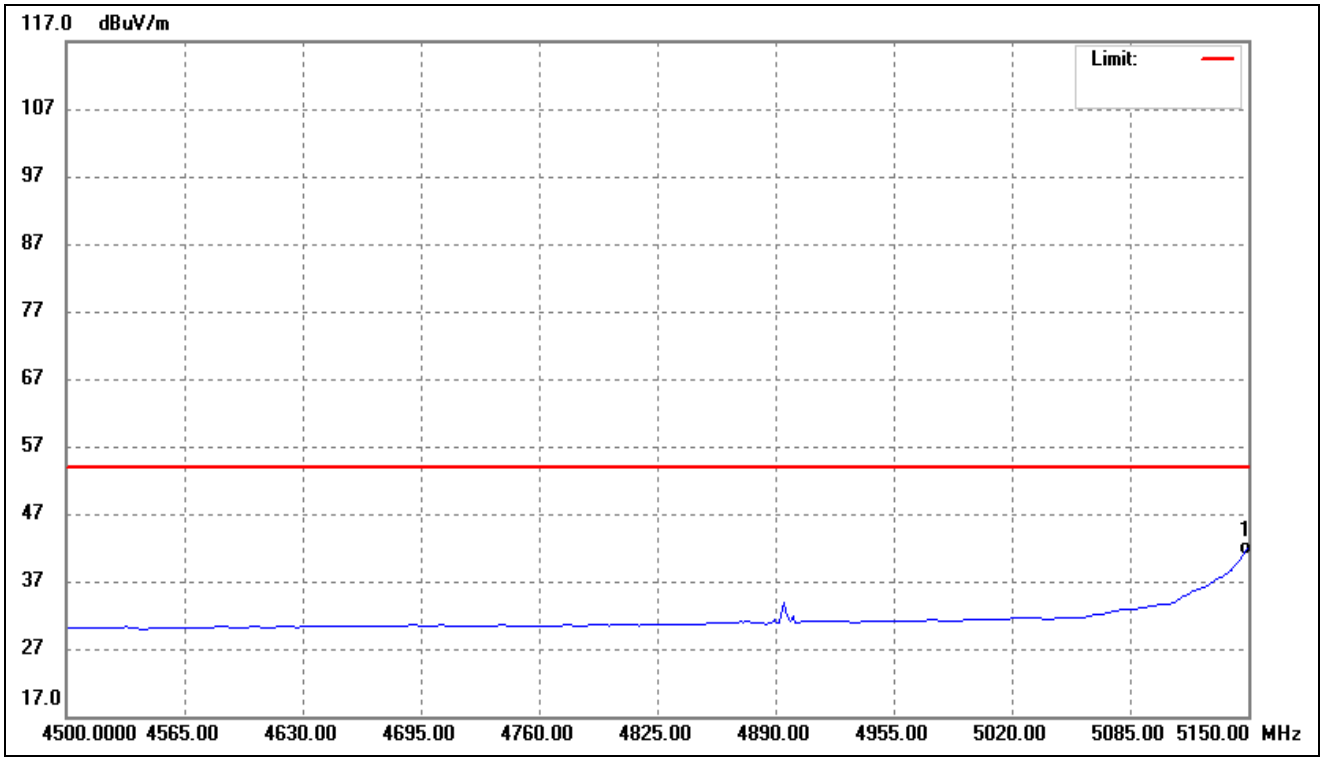
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	59.13	-11.65	47.48	54.00	-6.52	-	-	AVG

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



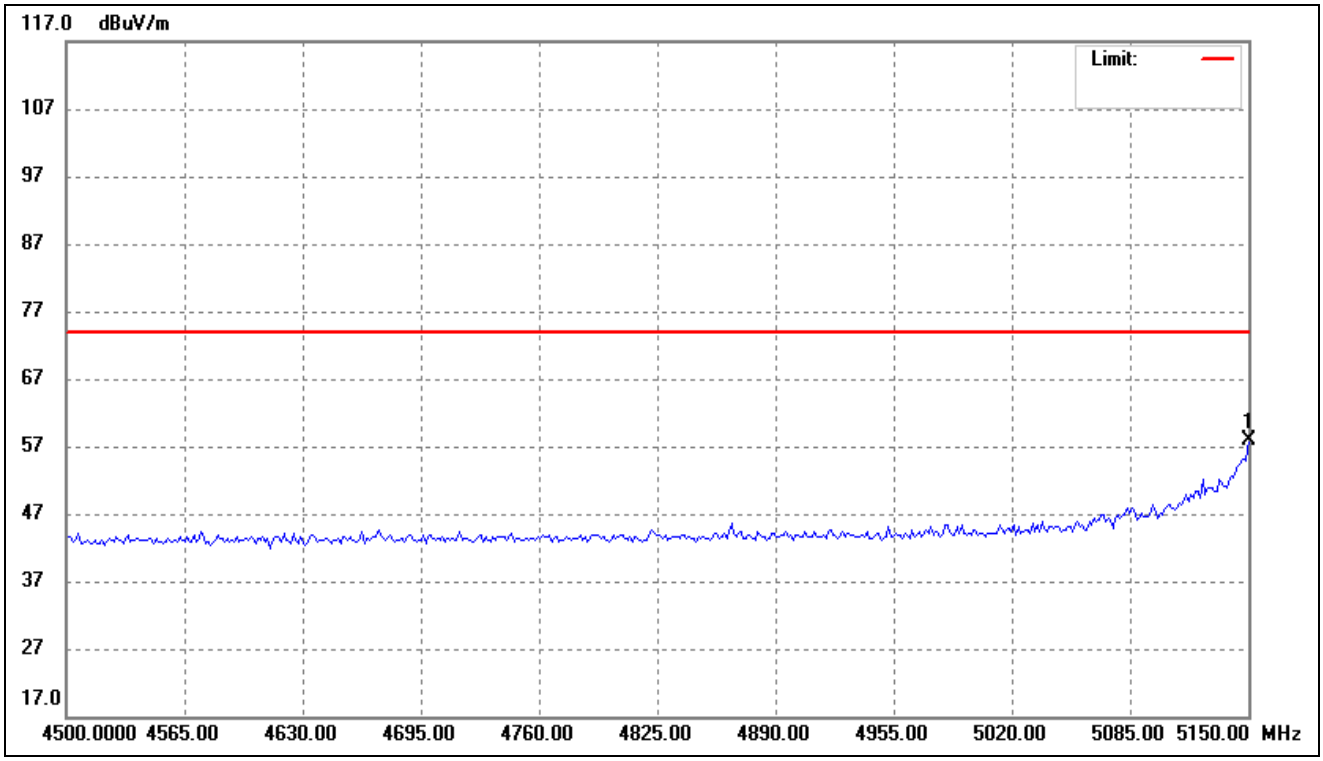
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	71.53	-11.65	59.88	74.00	-14.12	-	-	peak

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



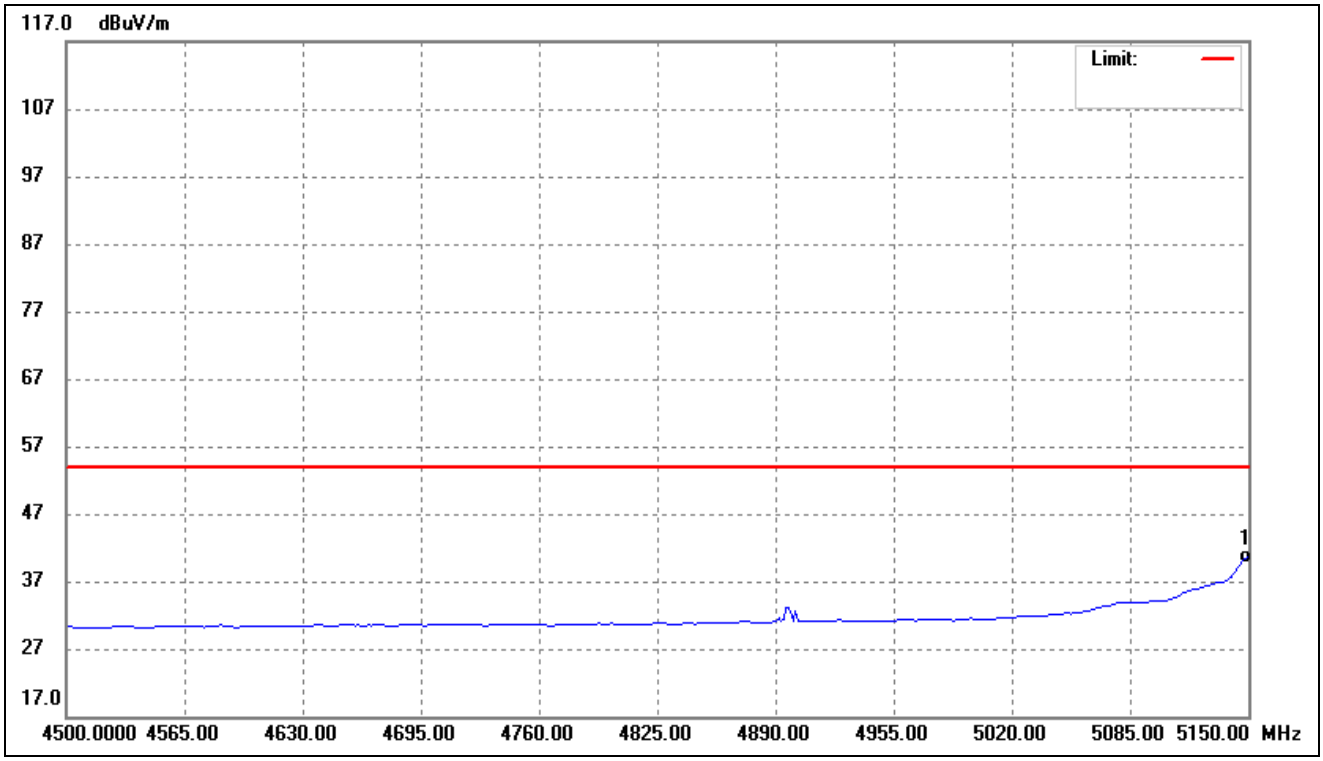
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	53.59	-11.65	41.94	54.00	-12.06	-	-	AVG

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



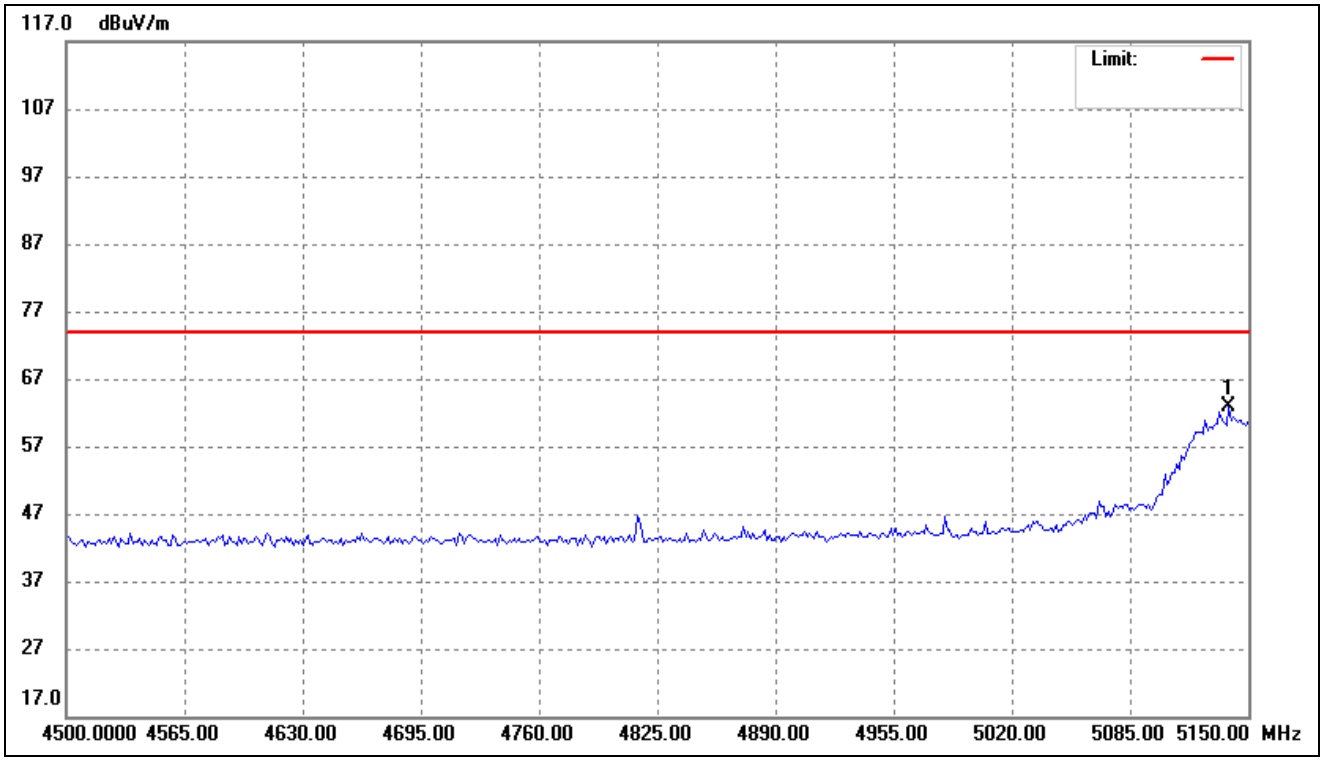
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	69.61	-11.65	57.96	74.00	-16.04	-	-	peak

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



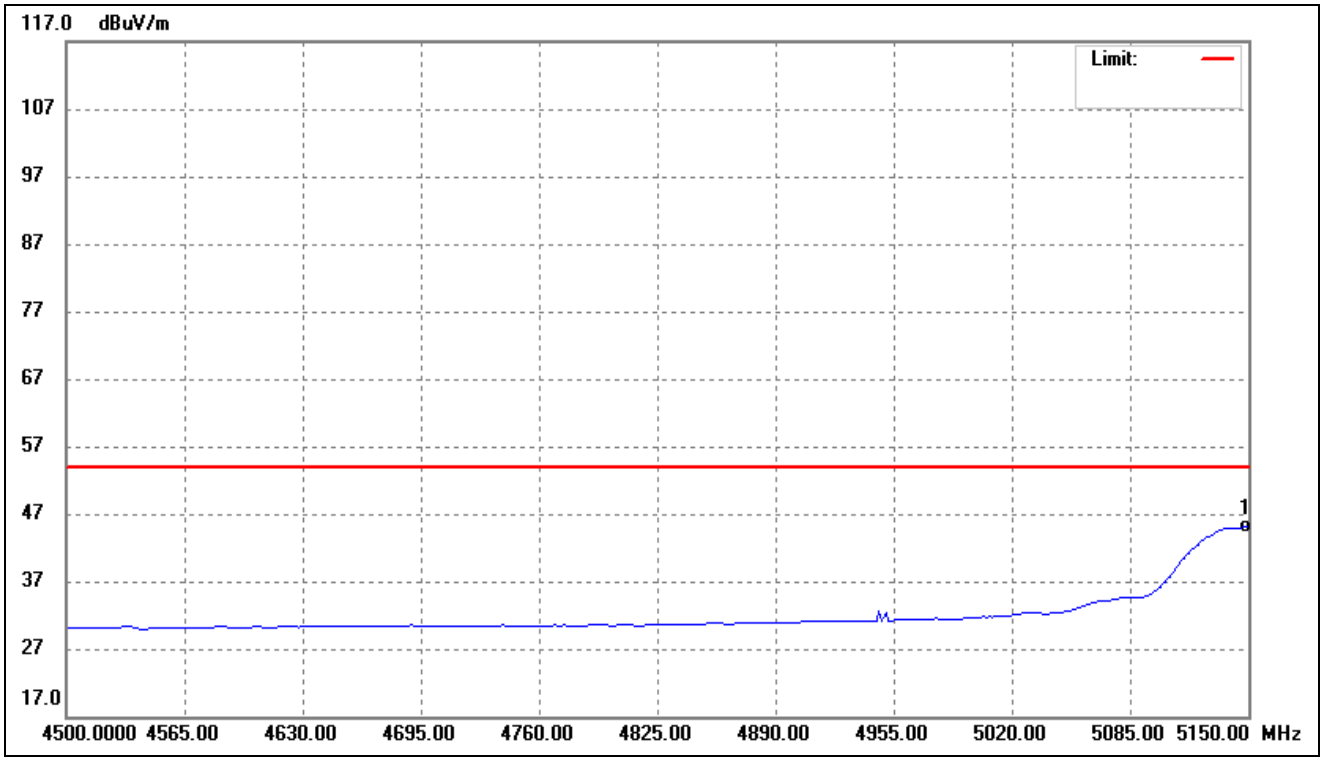
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	52.35	-11.65	40.70	54.00	-13.30	-	-	AVG

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



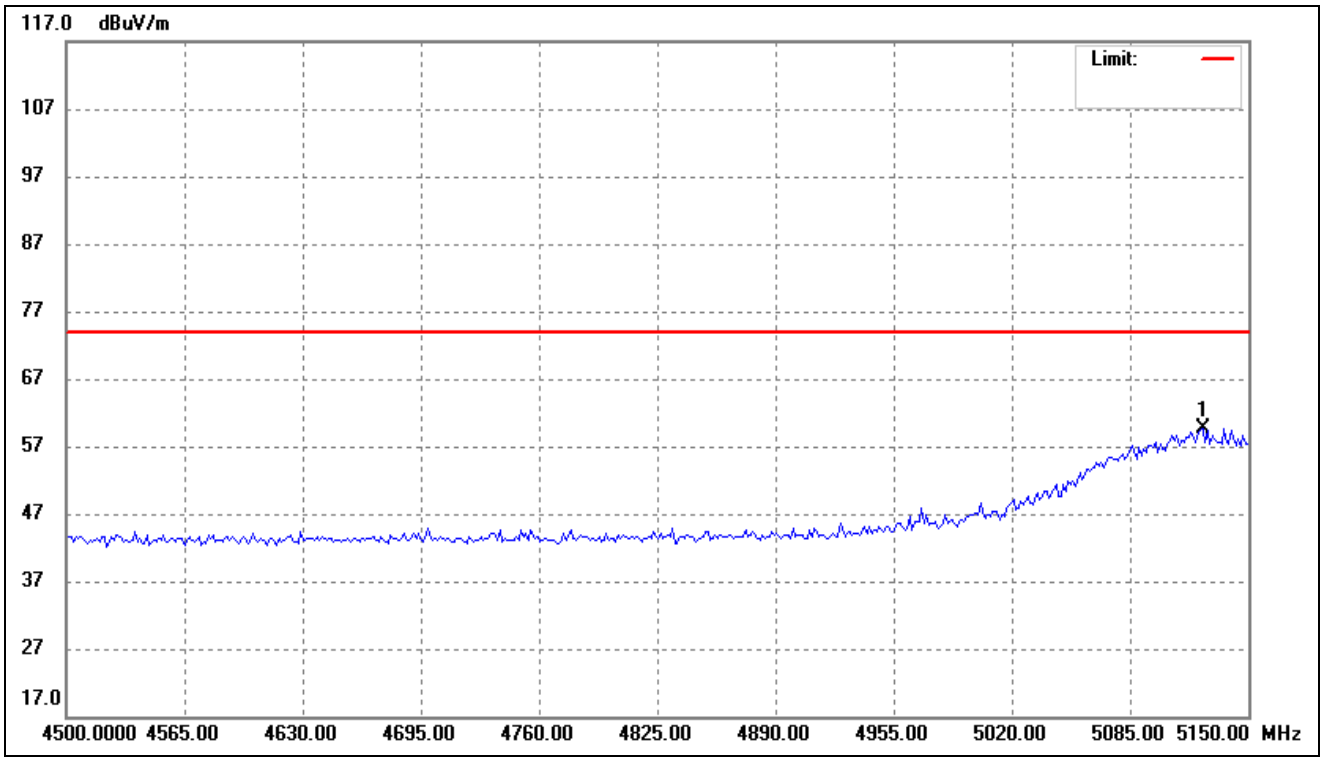
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5139.579	74.69	-11.70	62.99	74.00	-11.01	-	-	peak

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



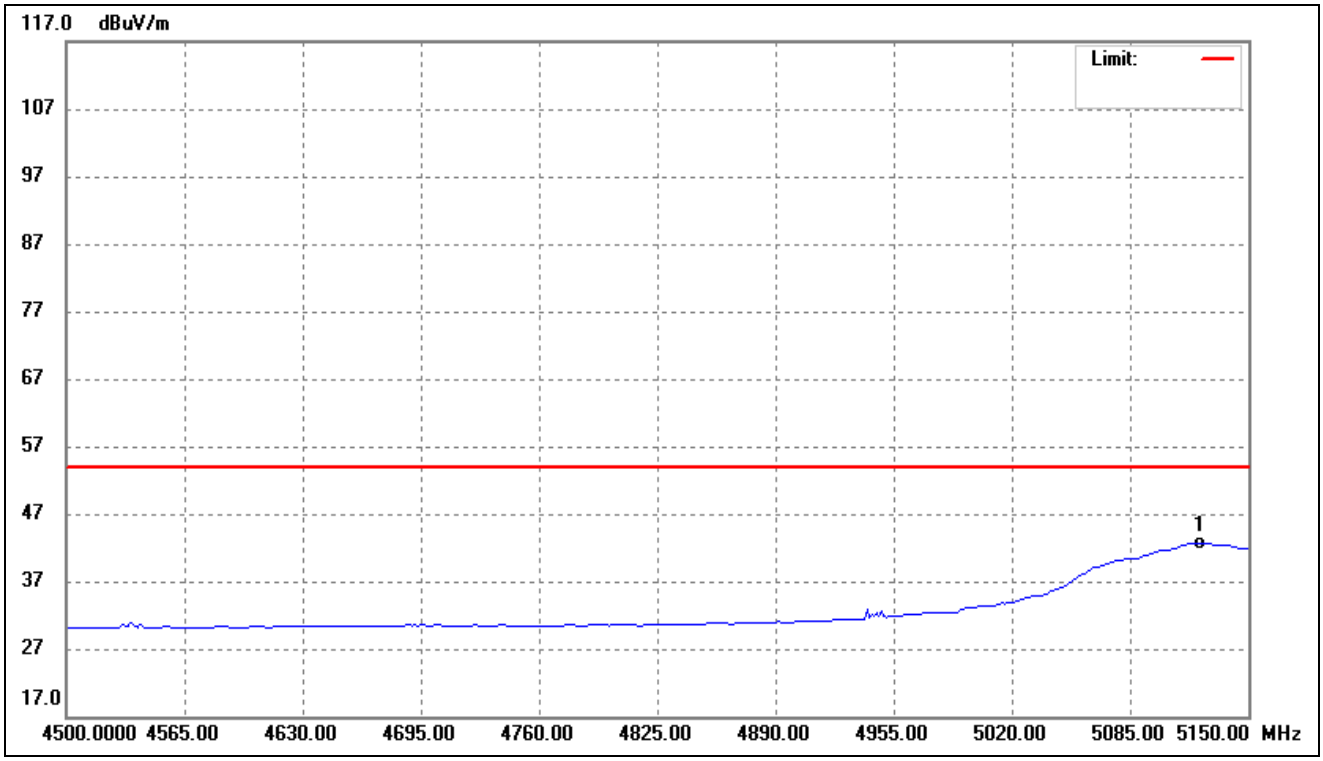
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	56.77	-11.65	45.12	54.00	-8.88	-	-	AVG

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



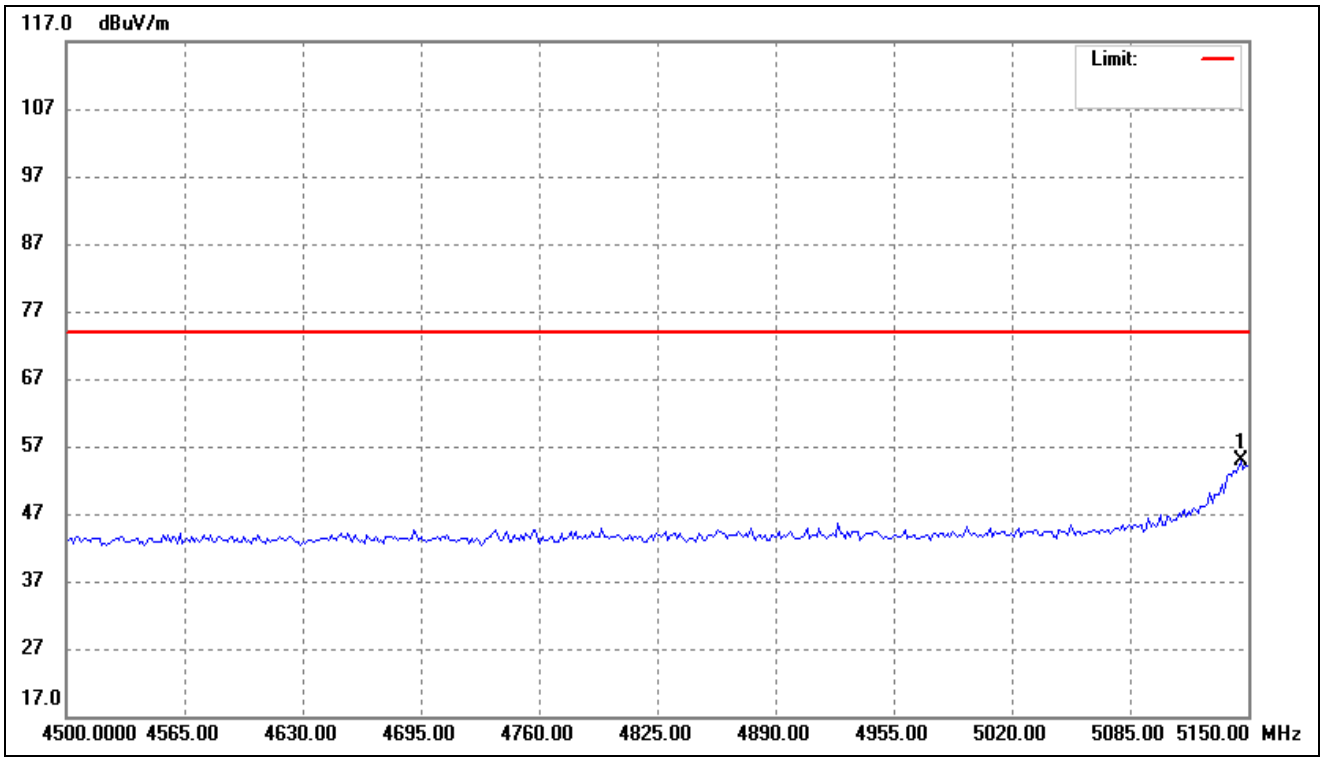
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5125.251	71.36	-11.77	59.59	74.00	-14.41	-	-	peak

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



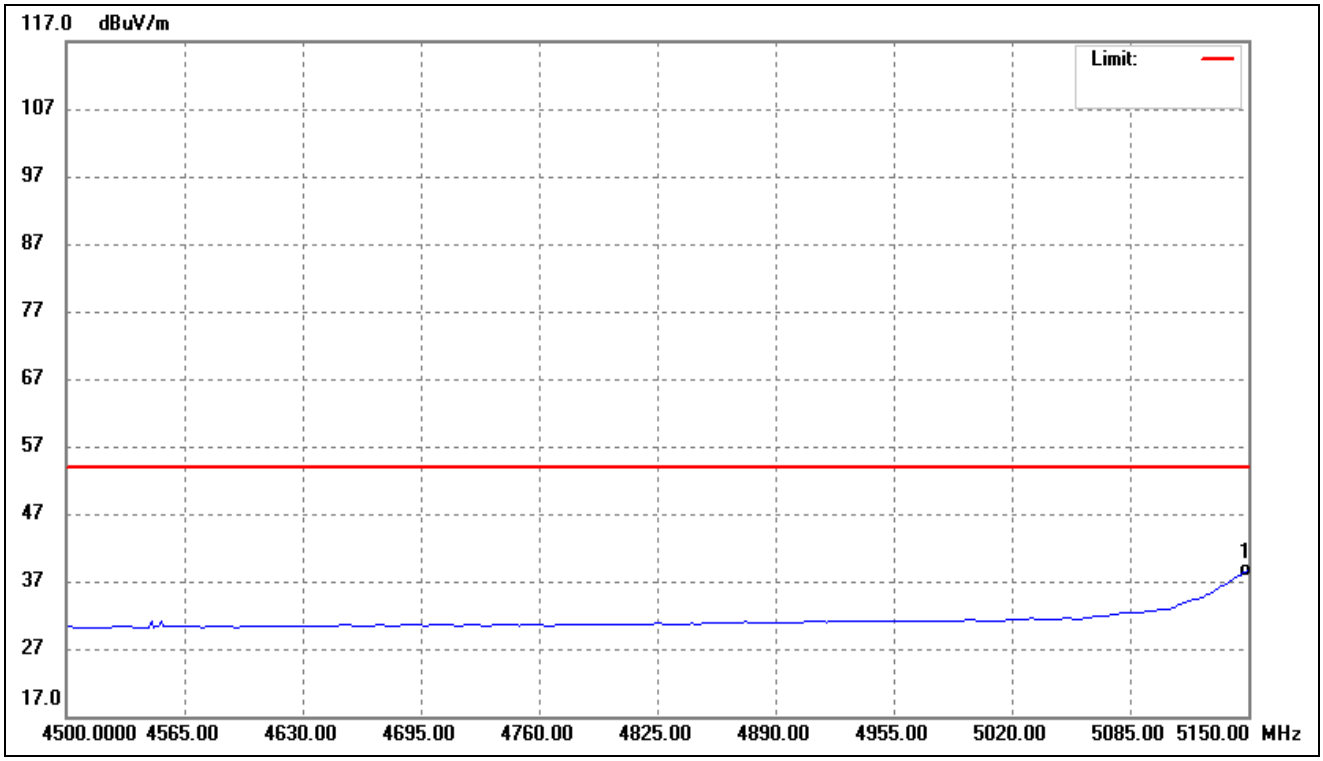
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5123.948	54.50	-11.79	42.71	54.00	-11.29	-	-	AVG

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



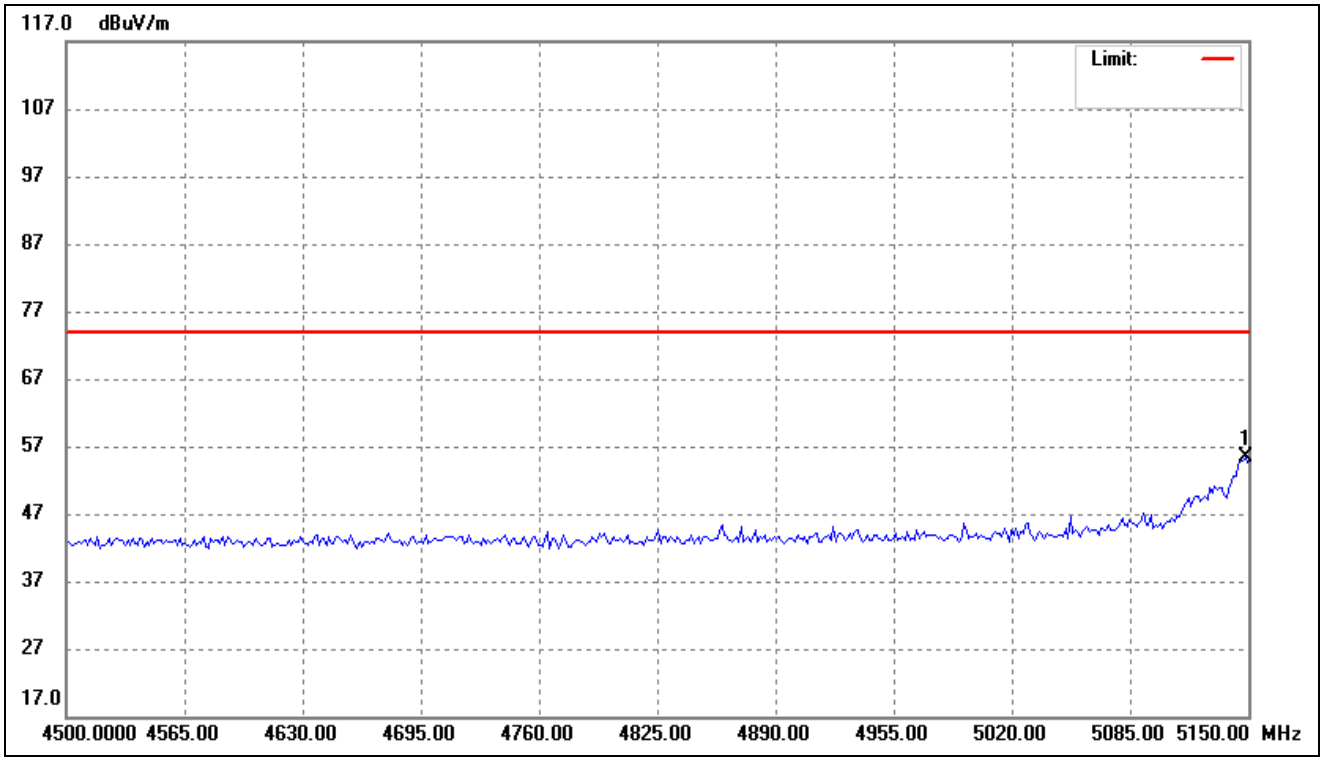
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5146.092	66.67	-11.67	55.00	74.00	-19.00	-	-	peak

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



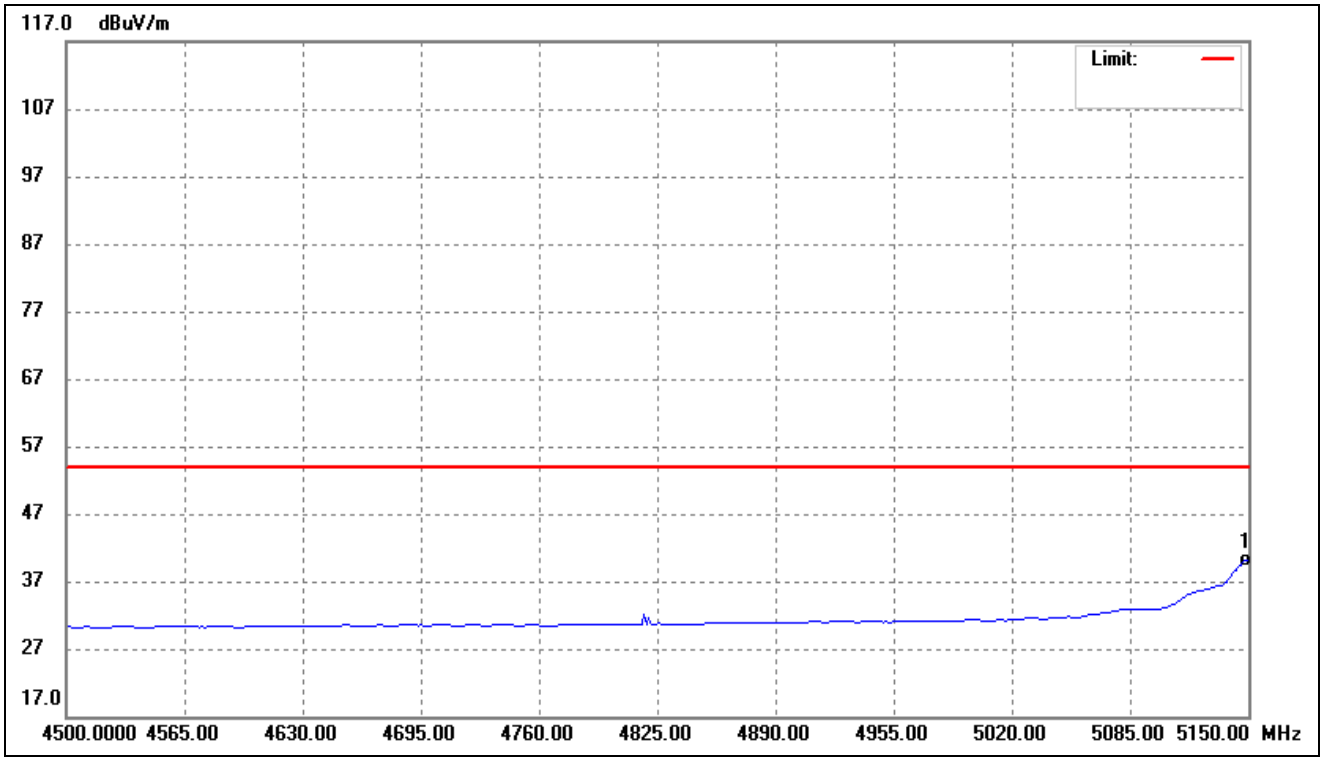
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	50.29	-11.65	38.64	54.00	-15.36	-	-	AVG

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



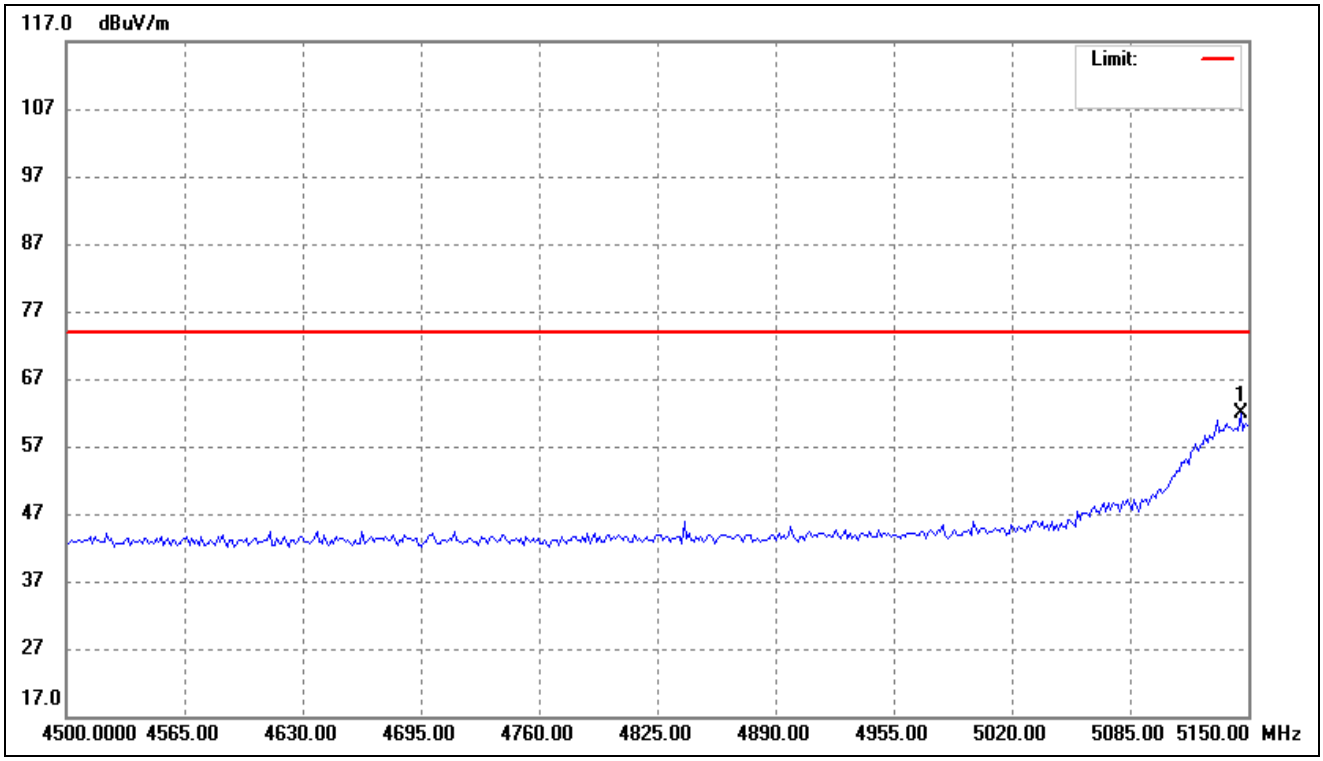
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	66.98	-11.66	55.32	74.00	-18.68	-	-	peak

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



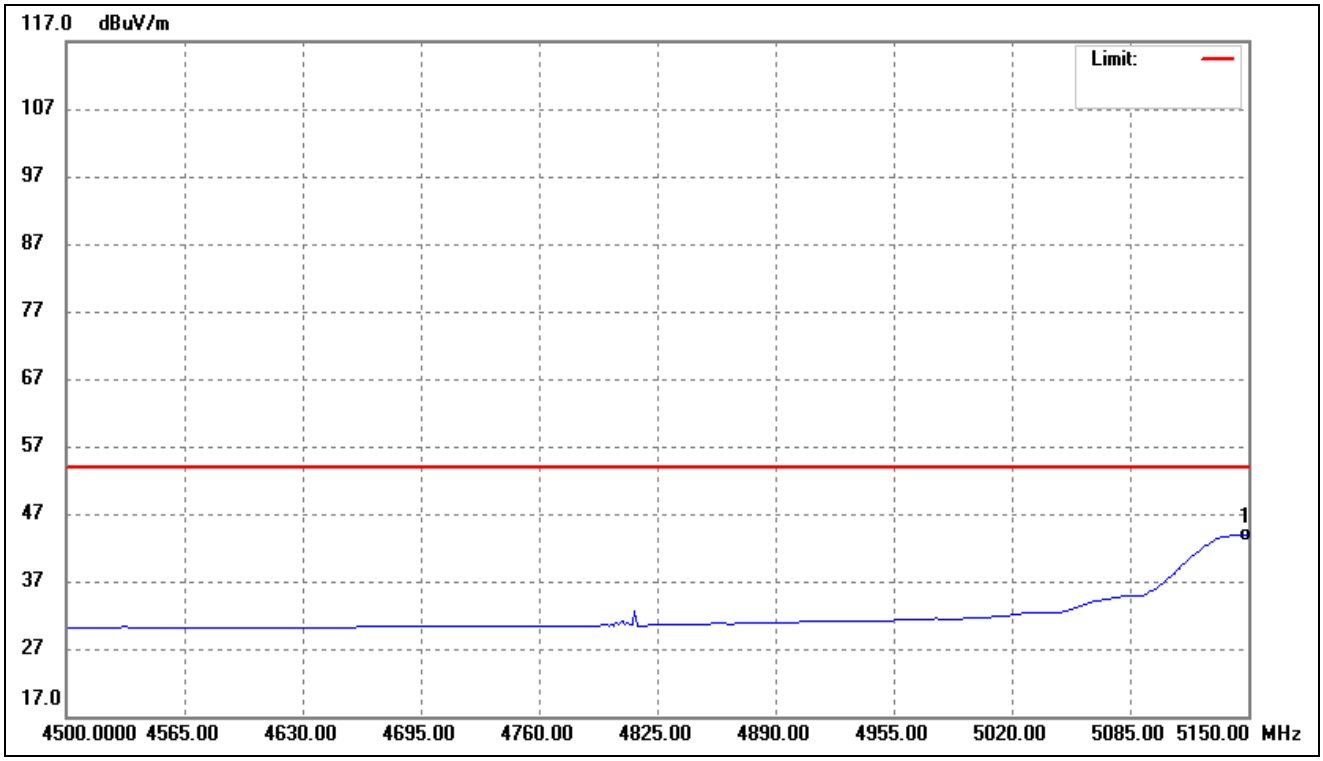
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5150.000	51.84	-11.65	40.19	54.00	-13.81	-	-	AVG

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



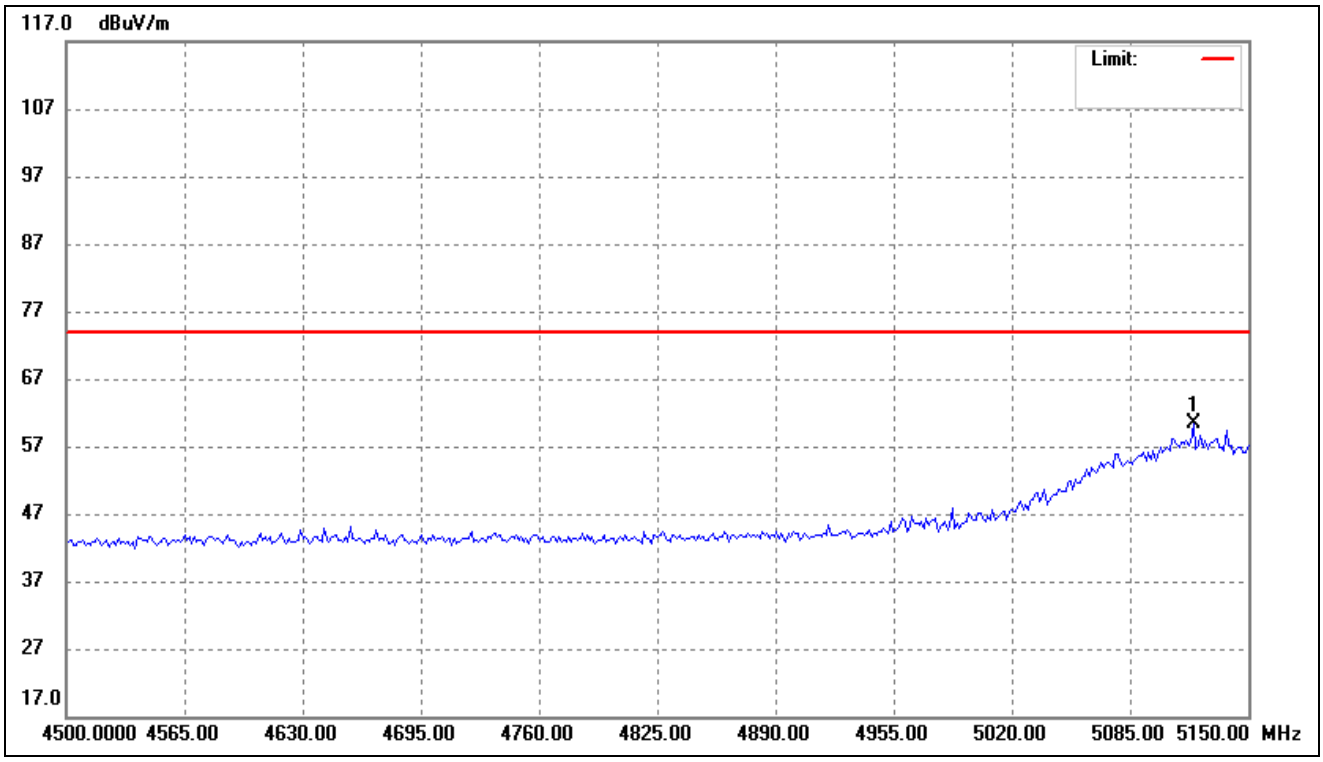
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5146.092	73.50	-11.67	61.83	74.00	-12.17	-	-	peak

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



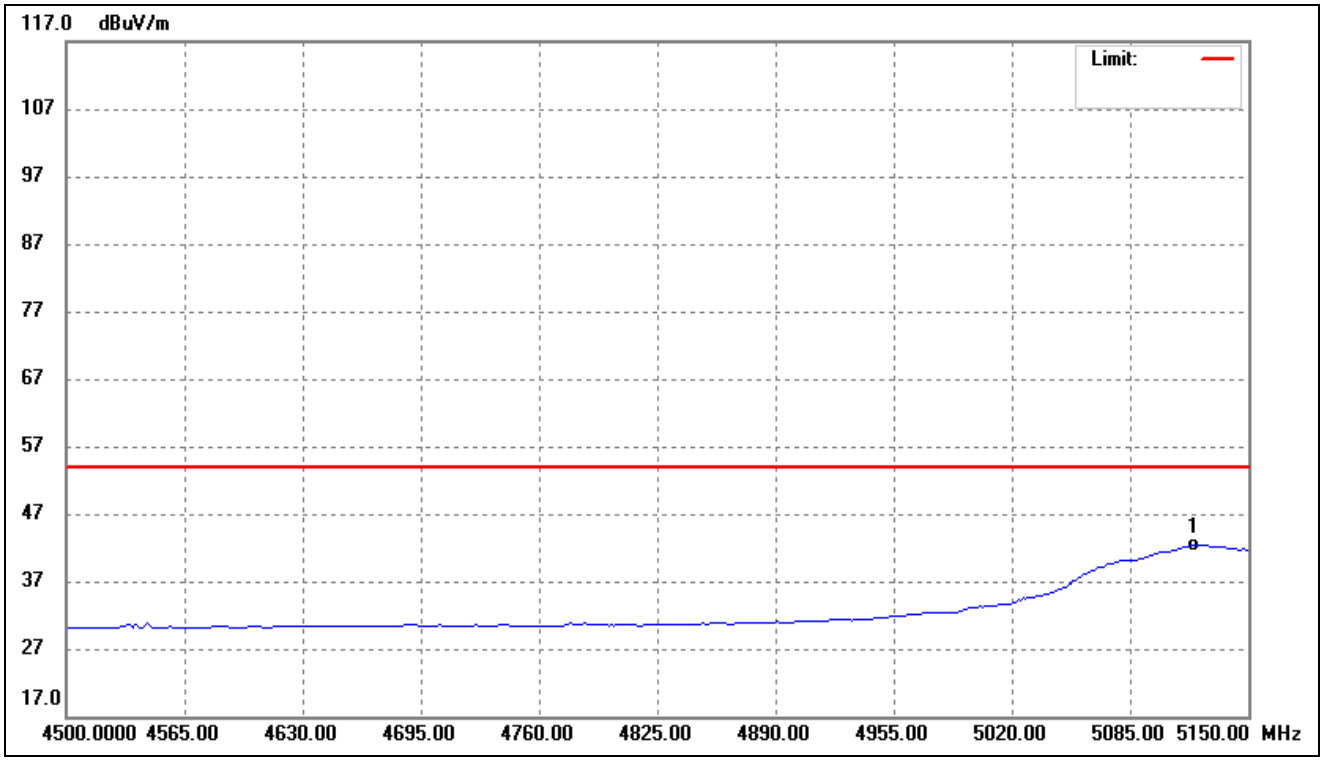
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5148.697	55.66	-11.66	44.00	54.00	-10.00	-	-	AVG

802.11ax-HE160- 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	5120.040	72.06	-11.80	60.26	74.00	-13.74	-	-	peak

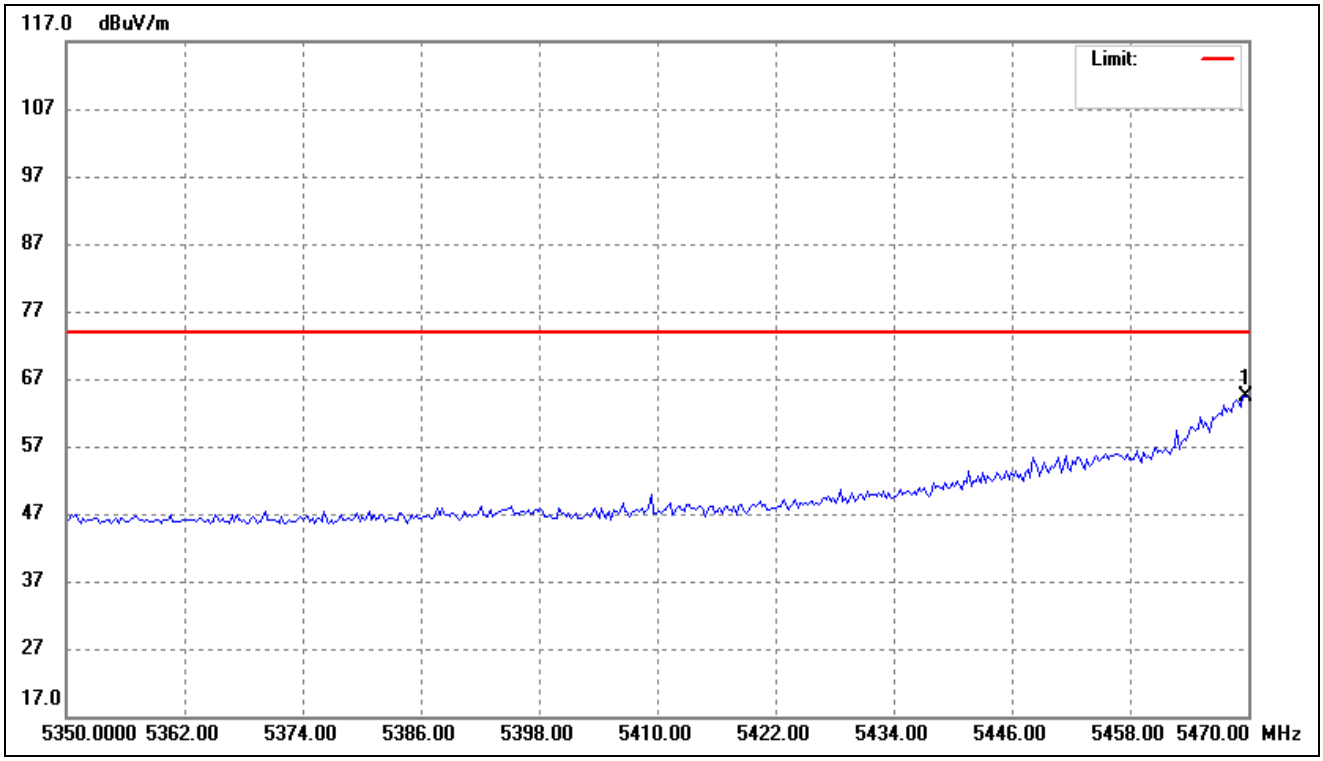
802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5118.737	54.14	-11.81	42.33	54.00	-11.67	-	-	AVG

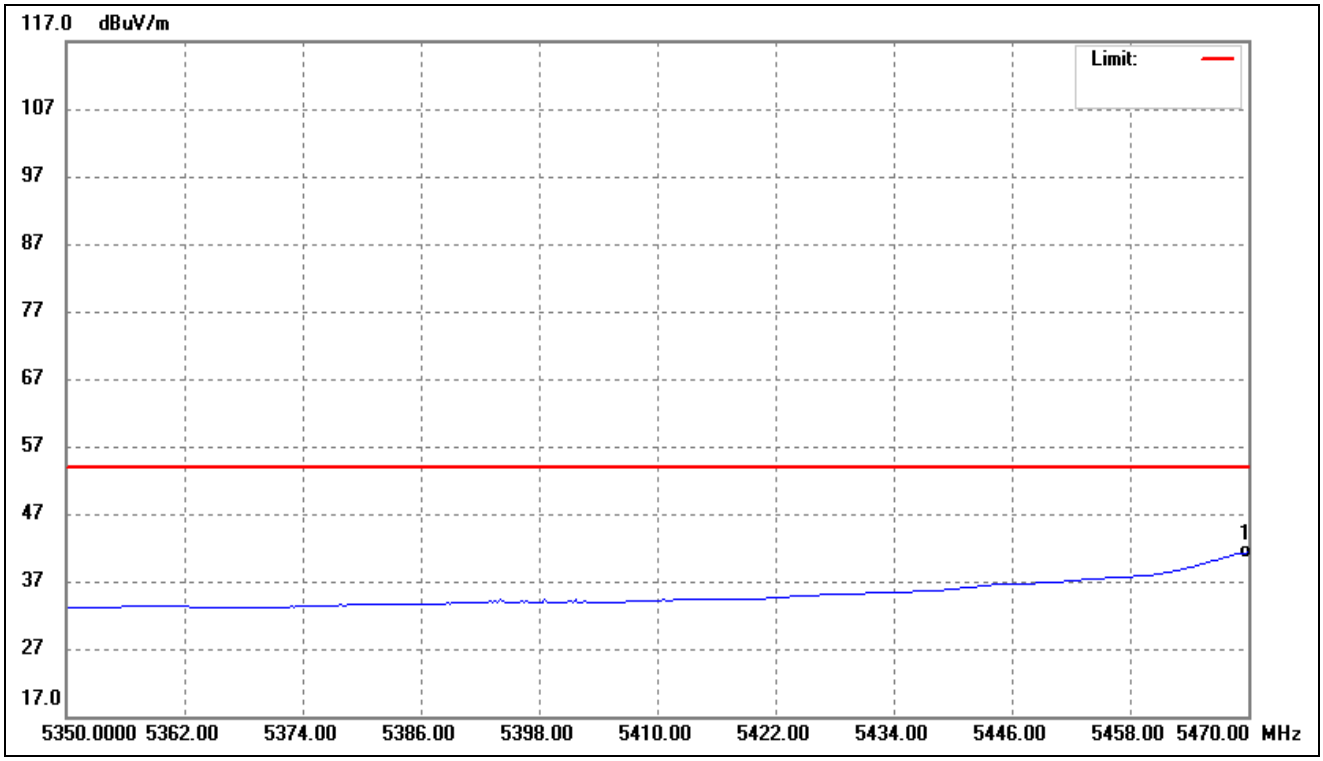
➢ 5470-5725MHz

802.11a- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



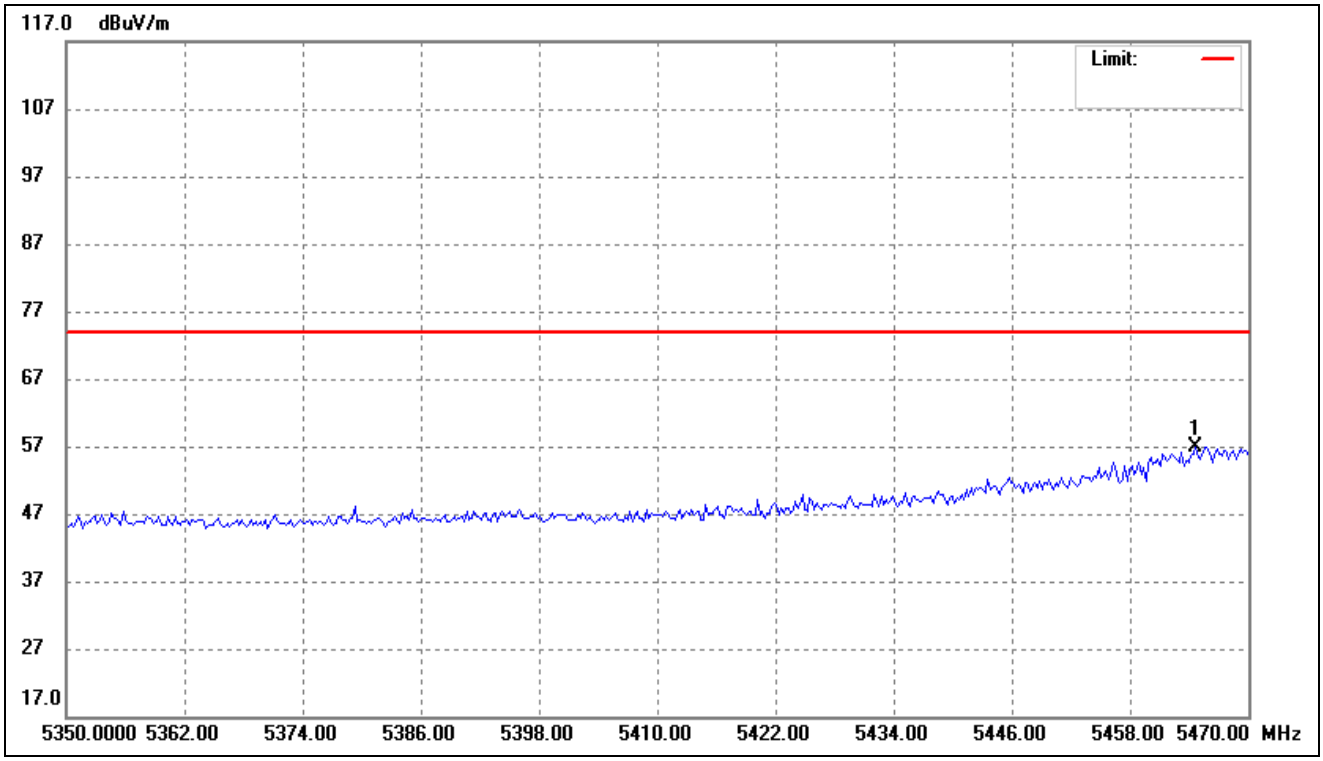
No.	Frequency	Reading	Corr.	Result	Limit	Margin	Deg.	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.760	74.51	-10.09	64.42	74.00	-9.58	-	-	peak

802.11a- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



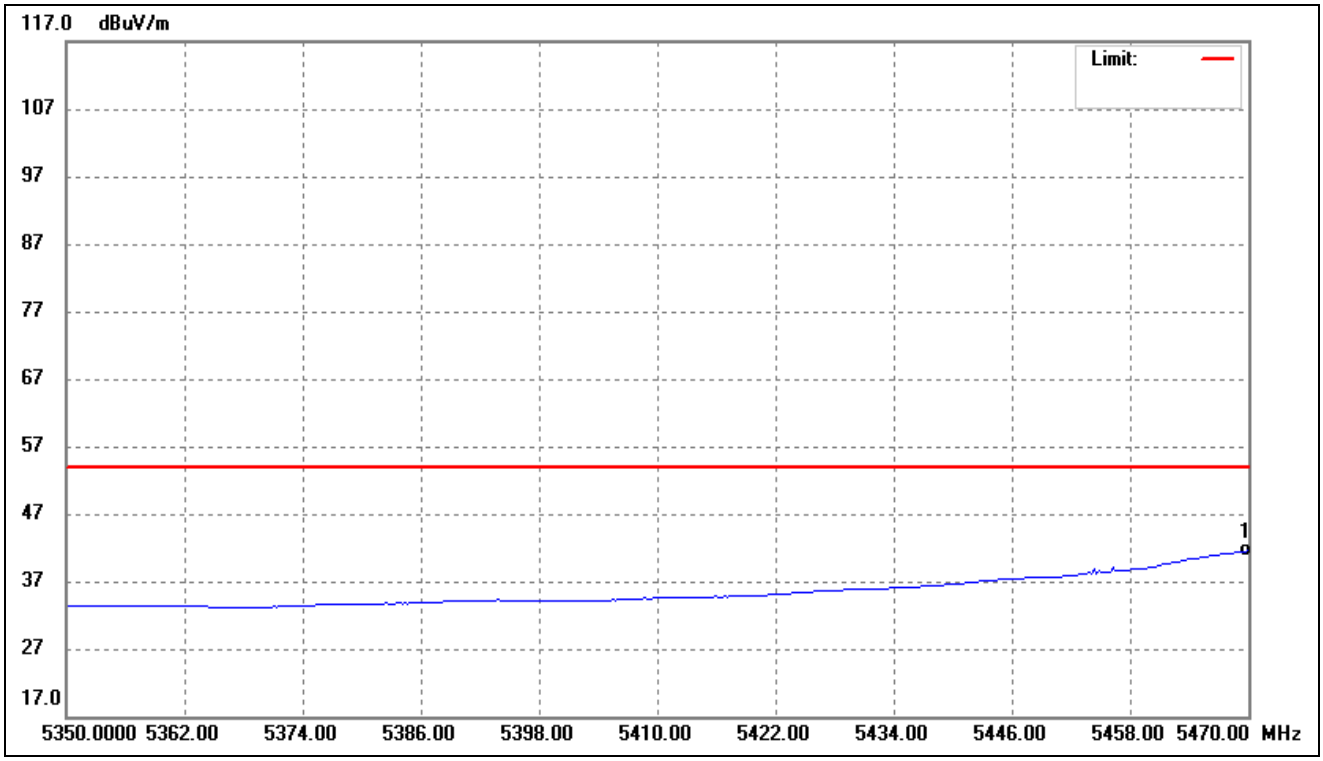
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	51.35	-10.08	41.27	54.00	-12.73	-	-	AVG

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



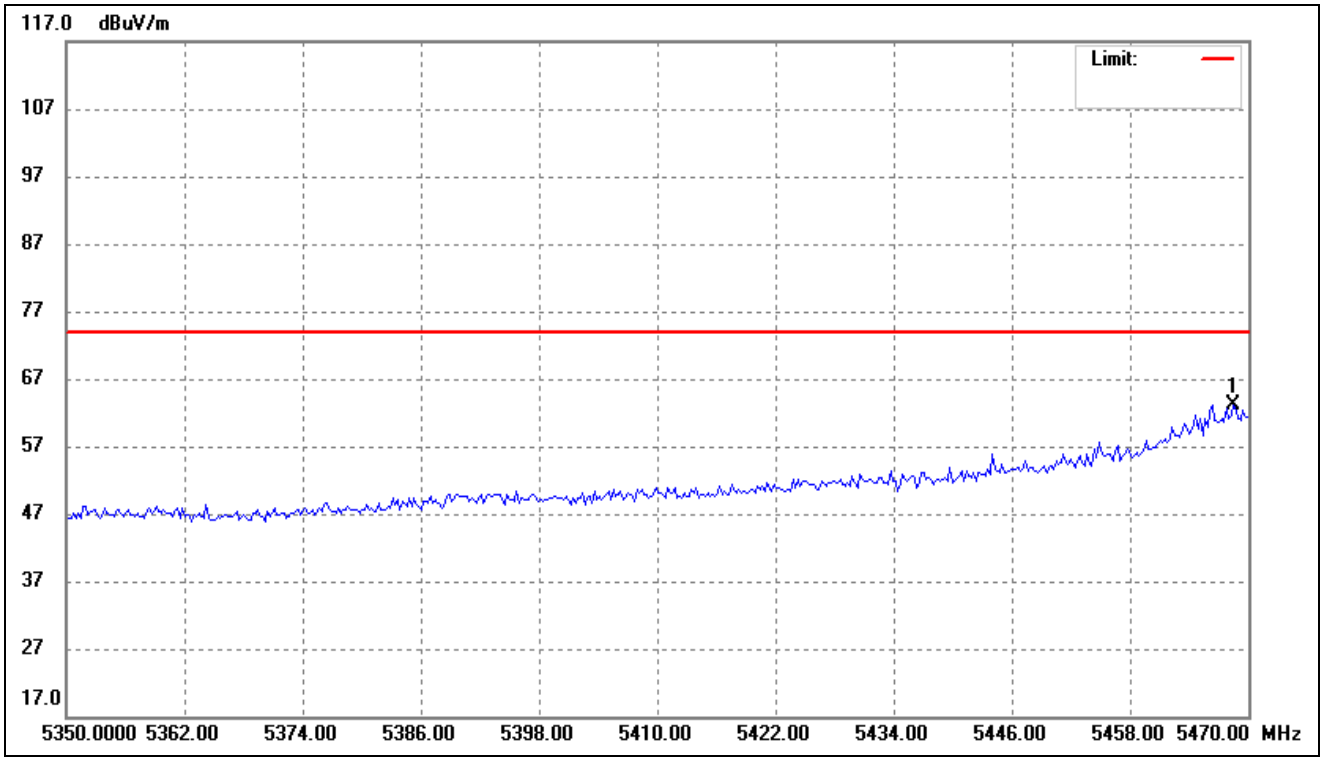
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5464.709	67.06	-10.11	56.95	74.00	-17.05	-	-	peak

802.11n-HT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



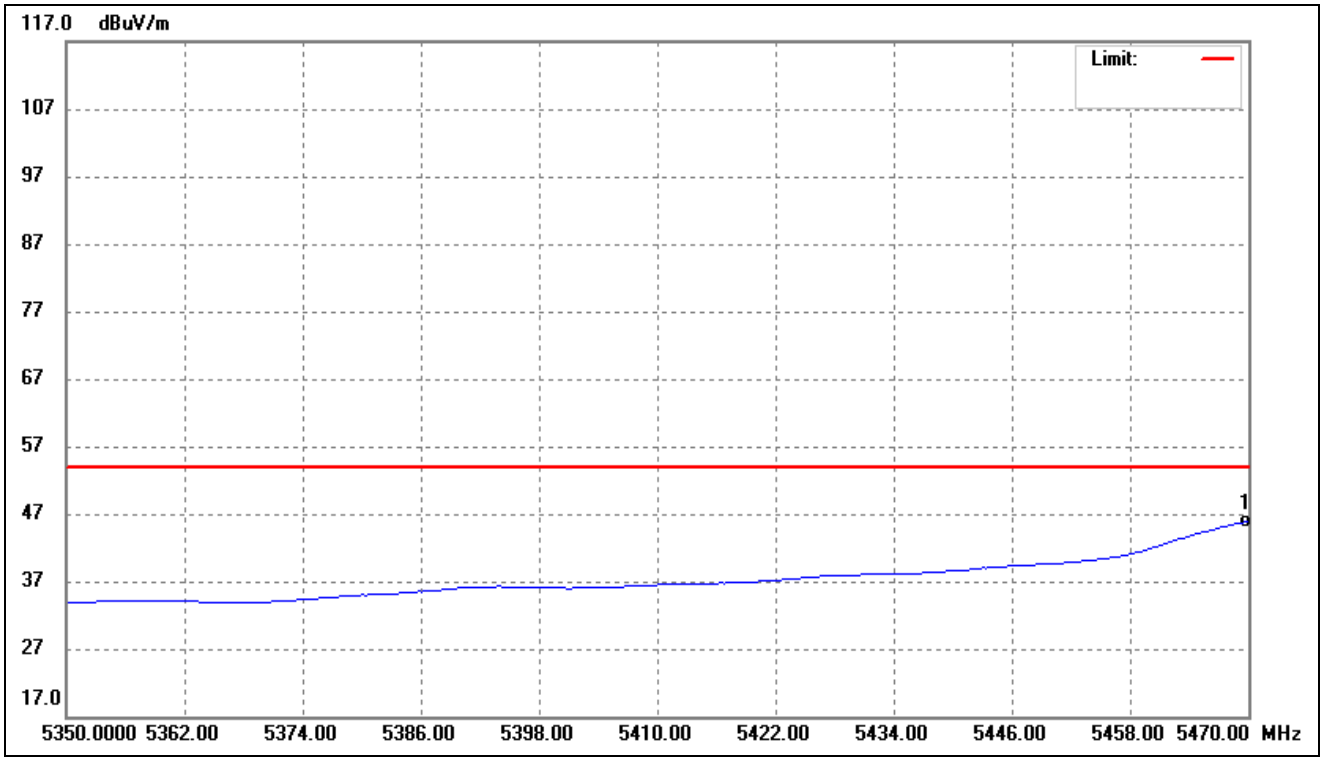
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	51.63	-10.08	41.55	54.00	-12.45	-	-	AVG

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



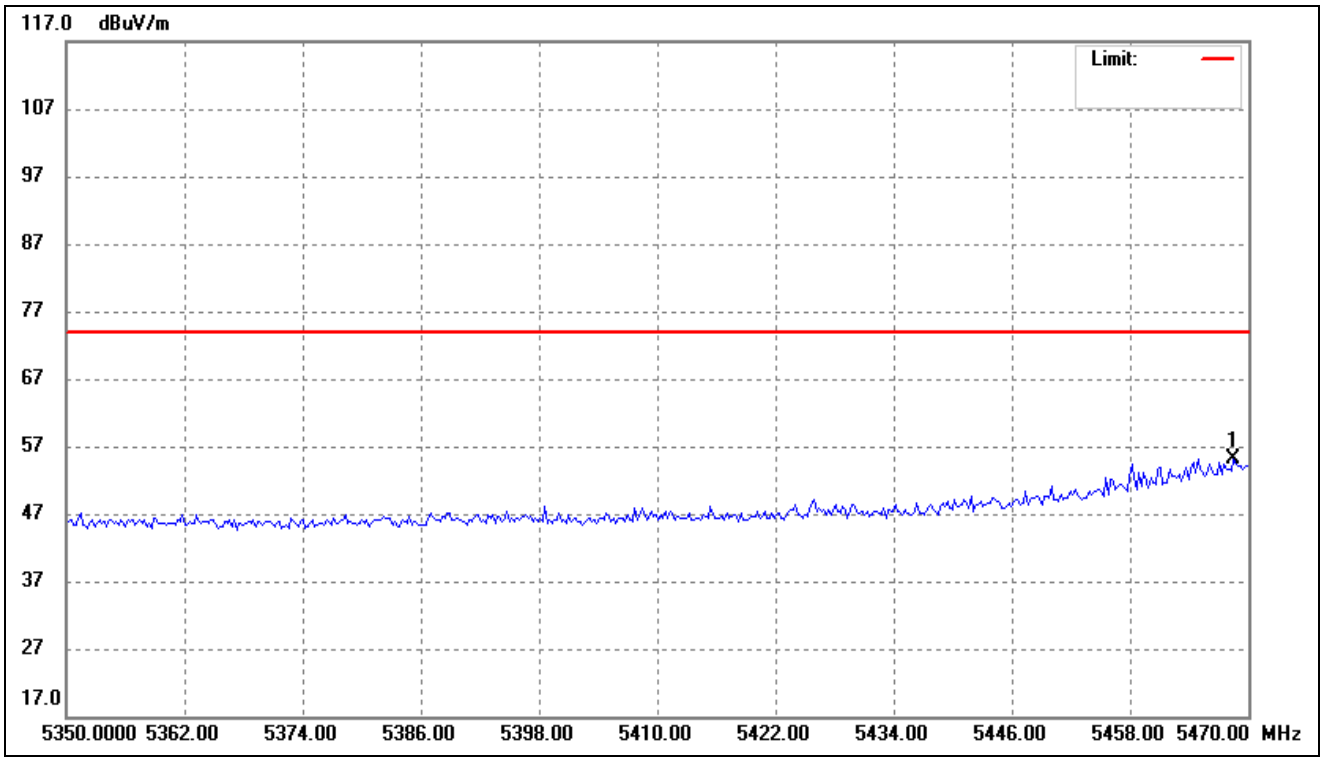
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5468.557	73.19	-10.09	63.10	74.00	-10.90	-	-	peak

802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



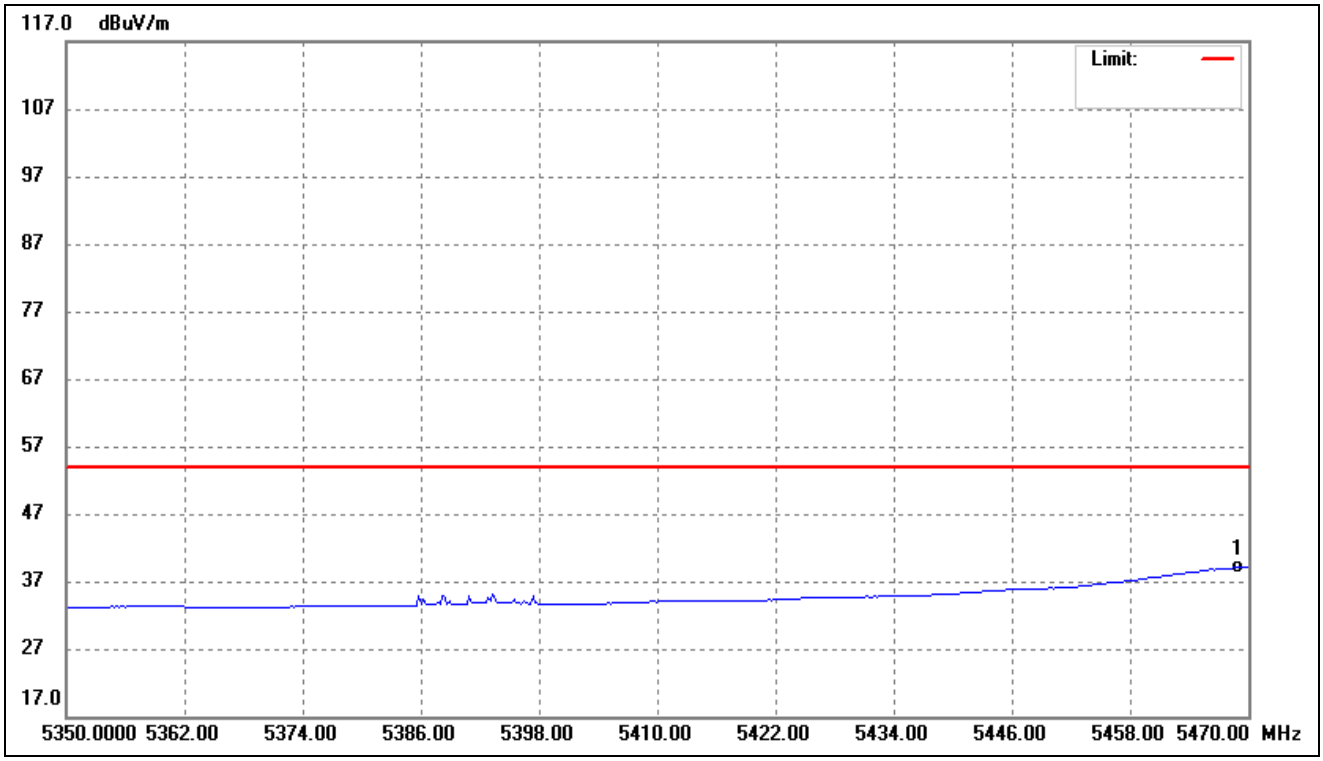
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	56.00	-10.08	45.92	54.00	-8.08	-	-	AVG

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



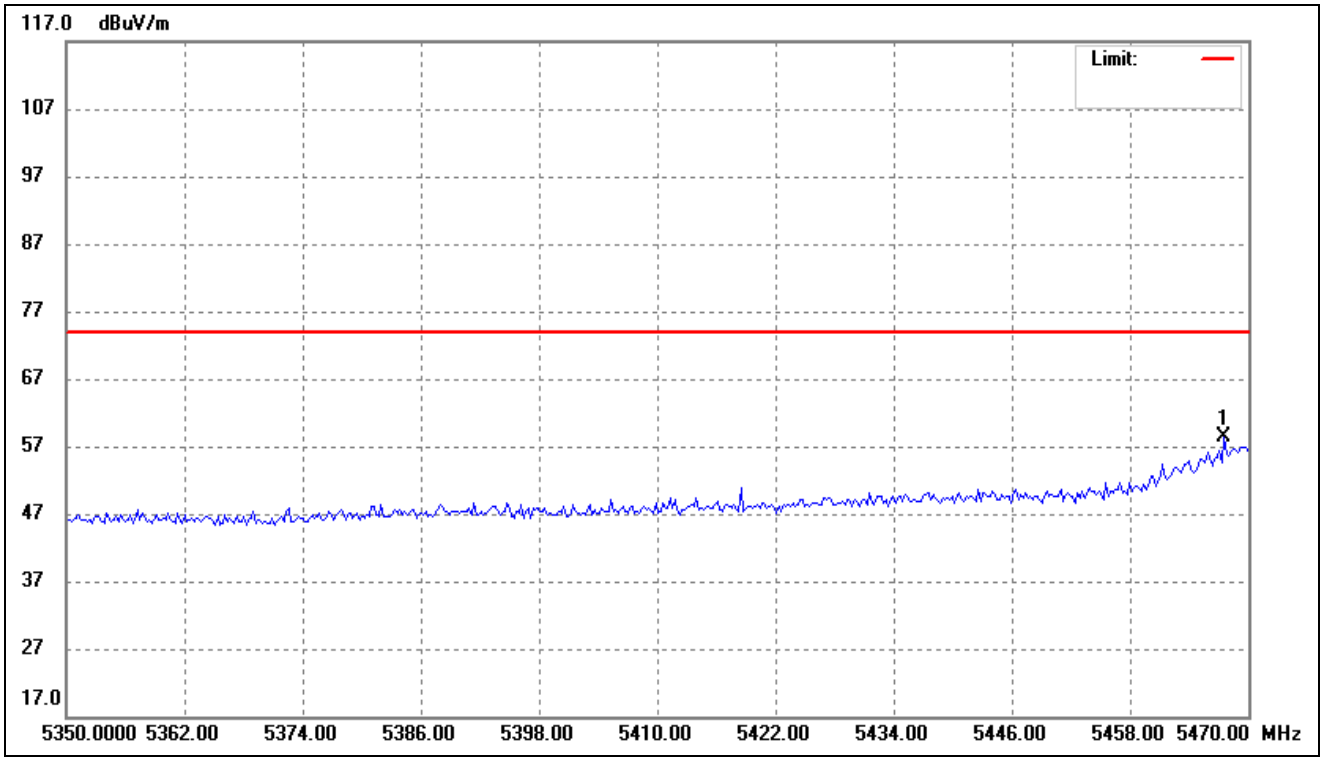
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5468.557	65.26	-10.09	55.17	74.00	-18.83	-	-	peak

802.11ac-VHT20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



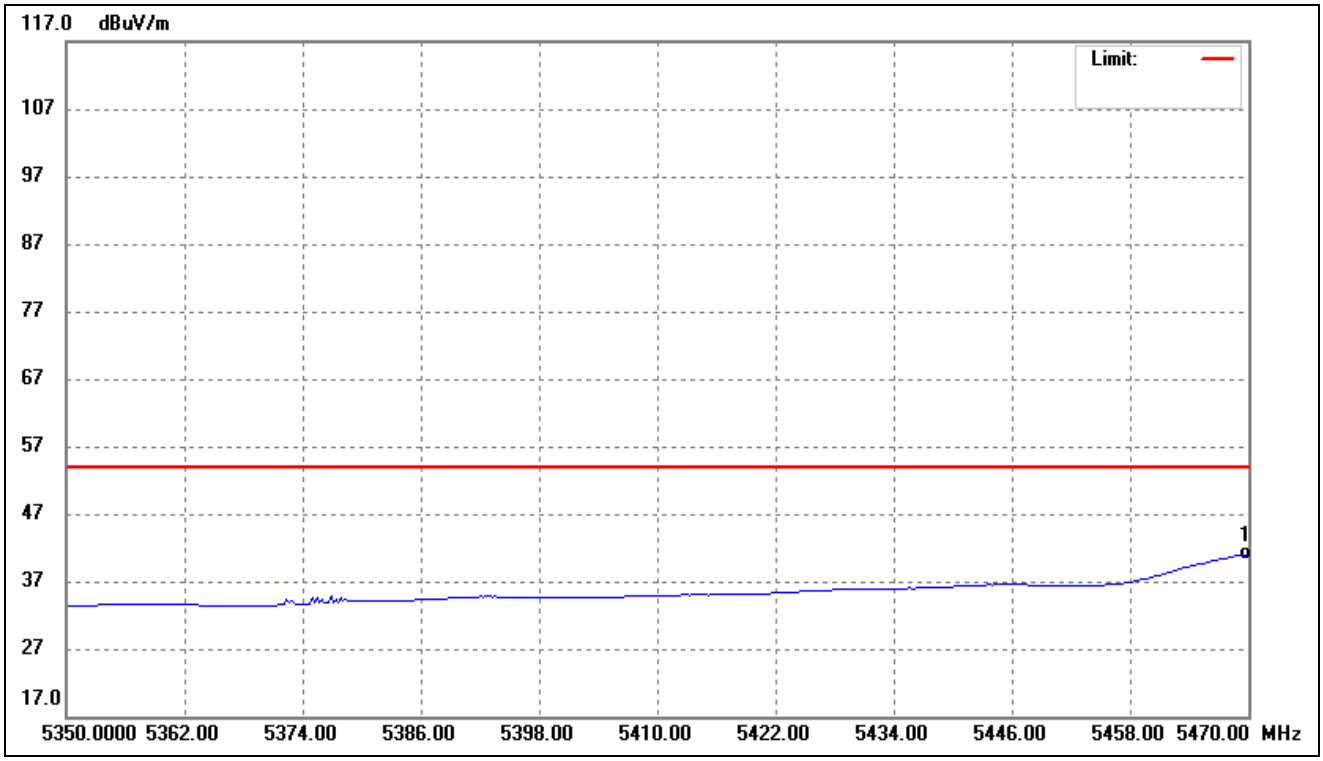
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.038	49.26	-10.09	39.17	54.00	-14.83	-	-	AVG

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



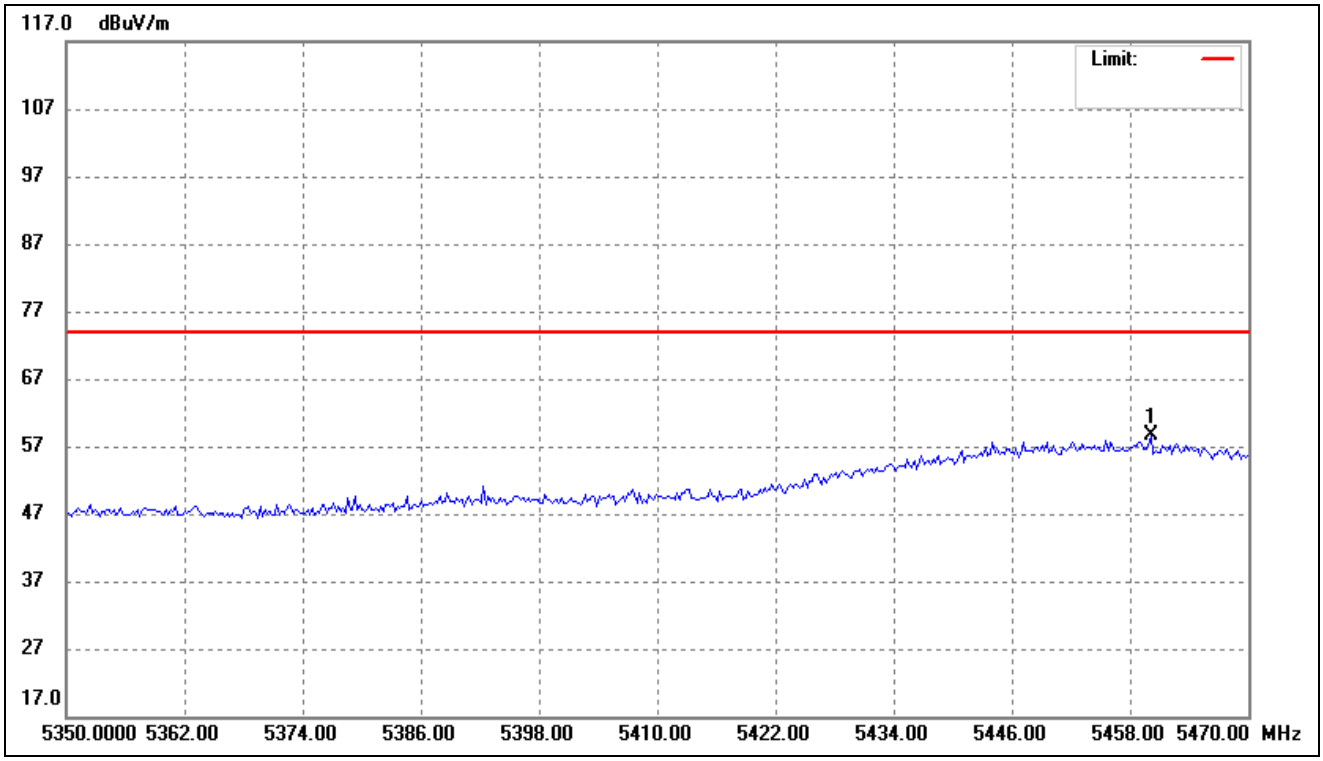
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5467.595	68.38	-10.09	58.29	74.00	-15.71	-	-	peak

802.11ac-VHT40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



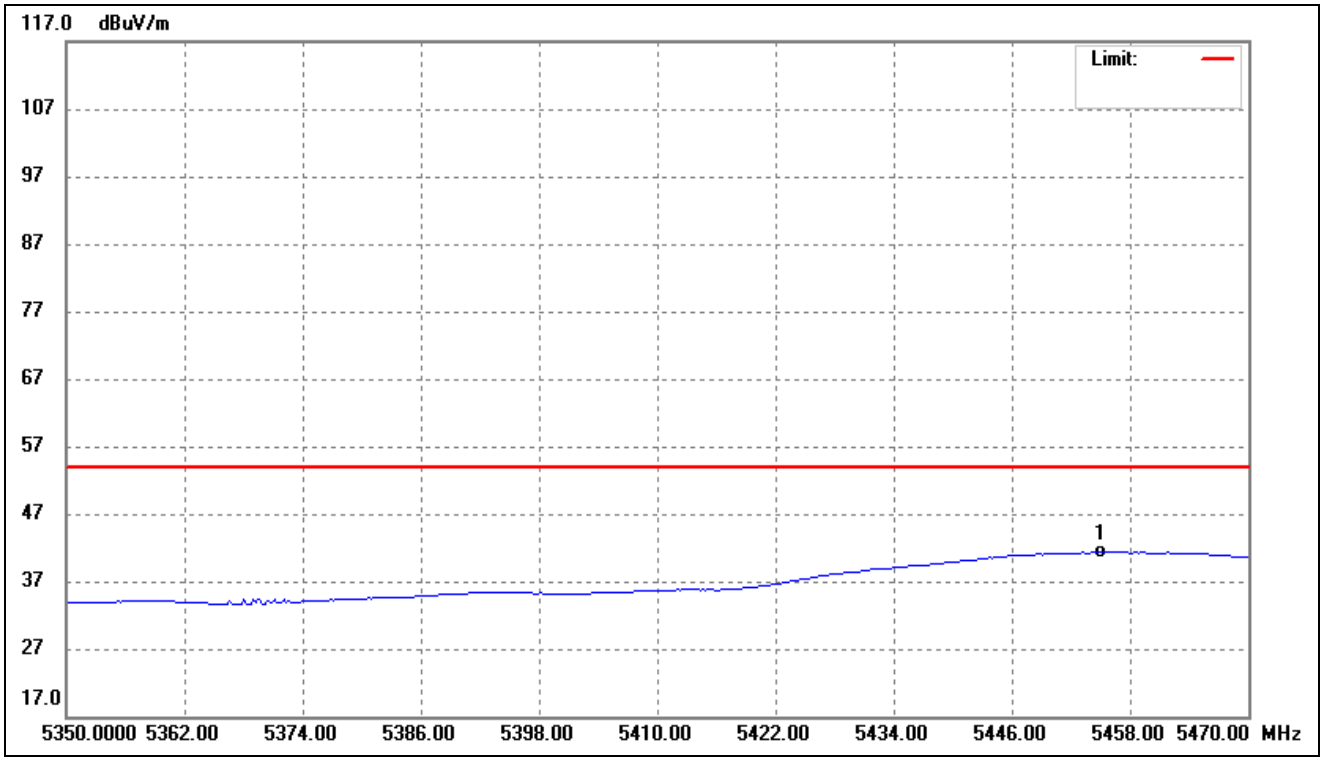
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	51.12	-10.08	41.04	54.00	-12.96	-	-	AVG

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



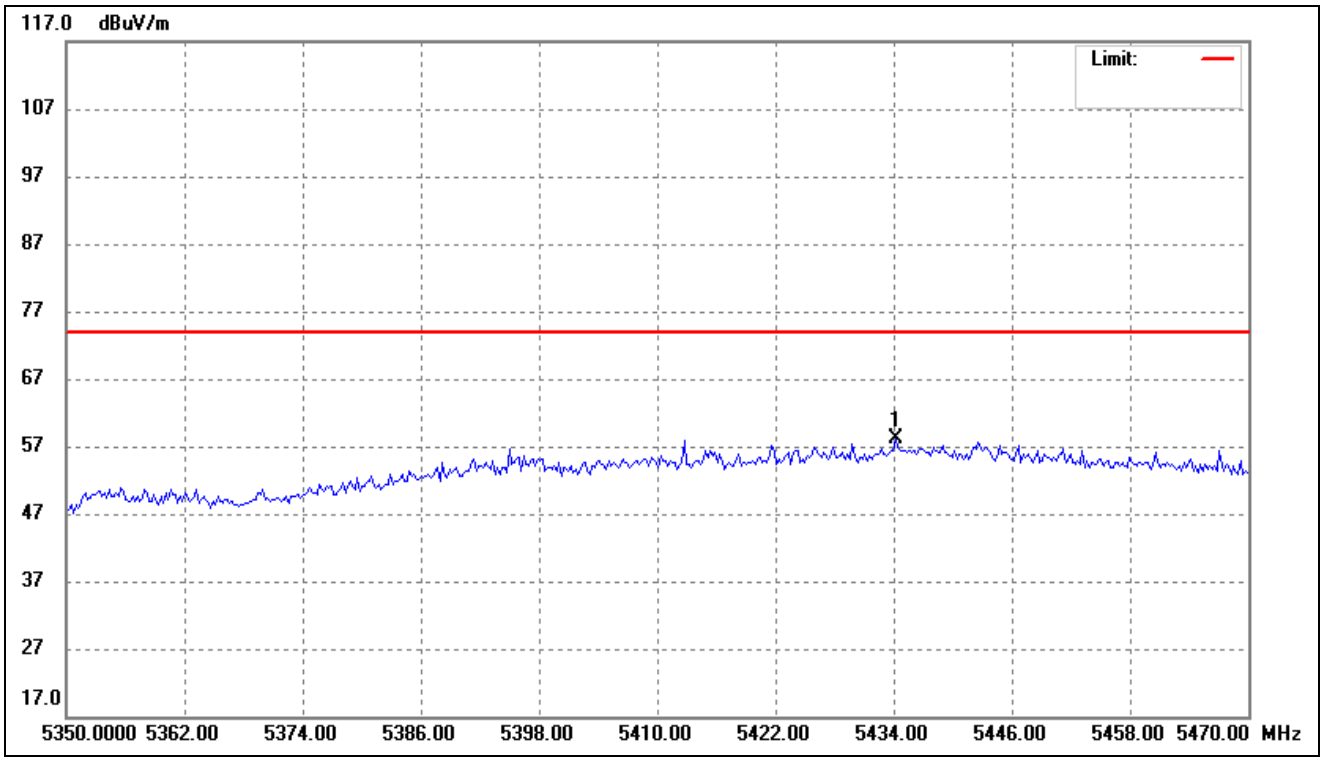
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5460.140	68.83	-10.13	58.70	74.00	-15.30	-	-	peak

802.11ac-VHT80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



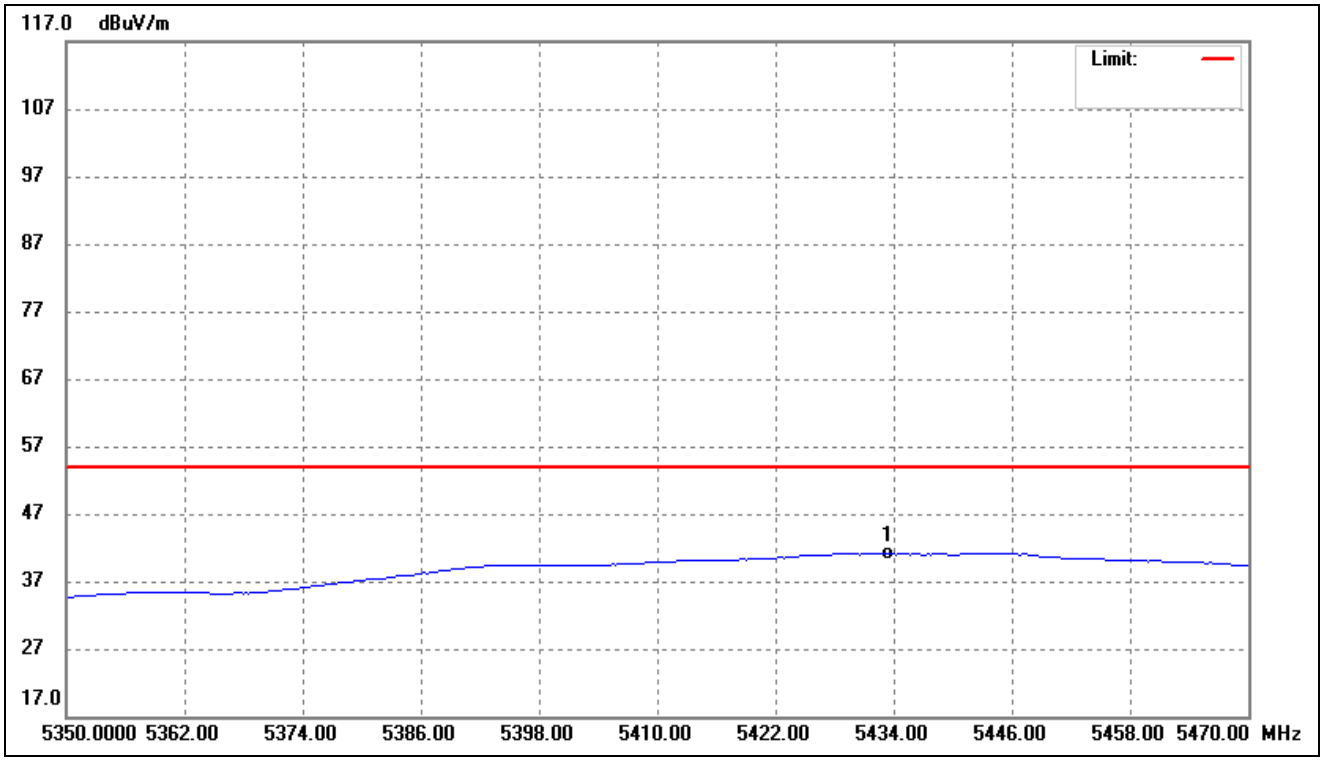
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5455.090	51.57	-10.16	41.41	54.00	-12.59	-	-	AVG

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



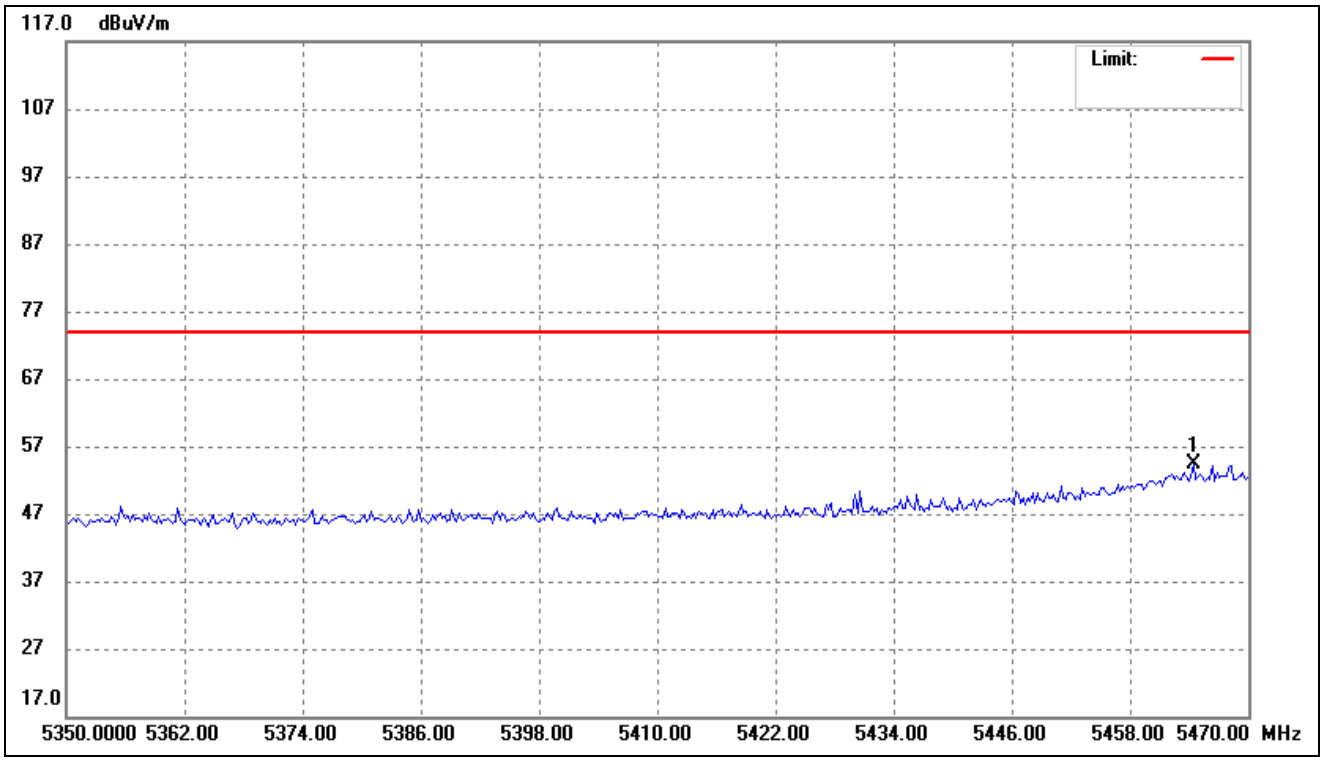
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5434.168	68.29	-10.26	58.03	74.00	-15.97	-	-	peak

802.11ac-VHT160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



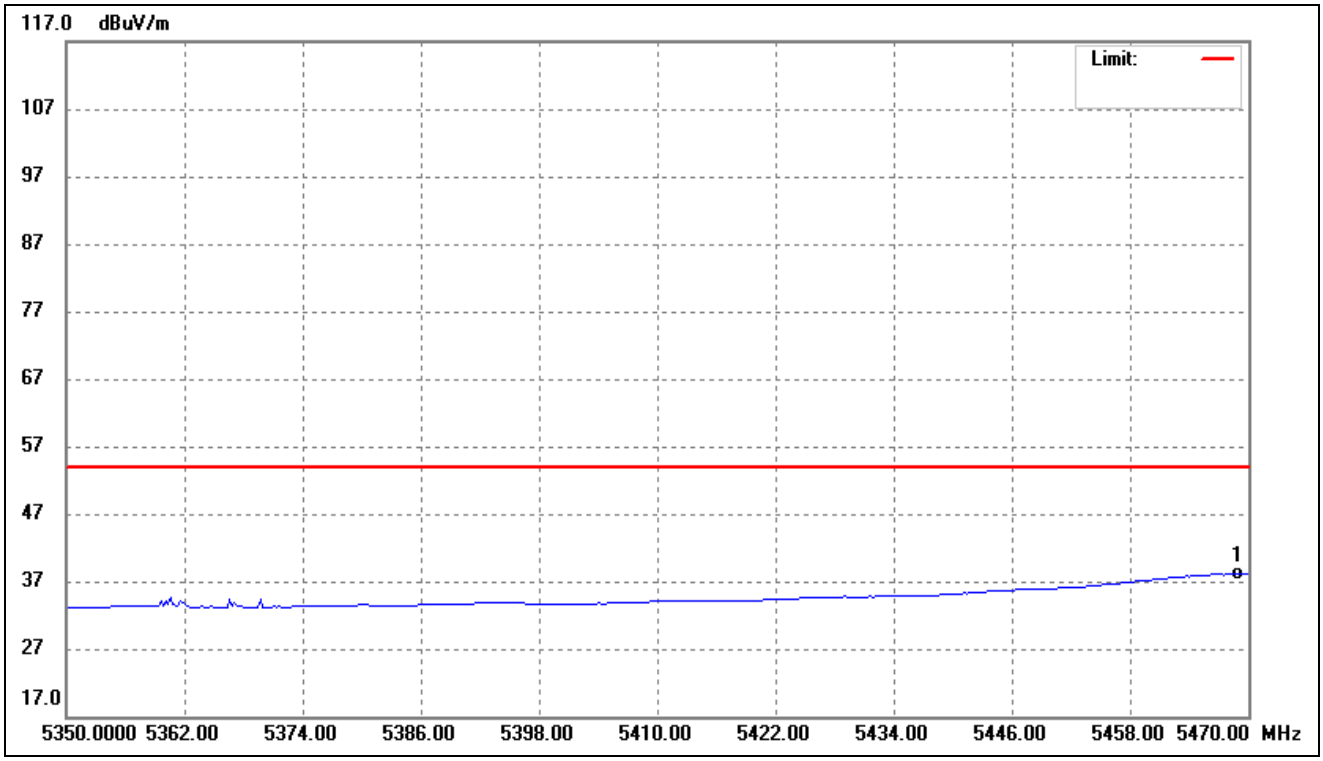
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5433.447	51.42	-10.26	41.16	54.00	-12.84	-	-	AVG

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



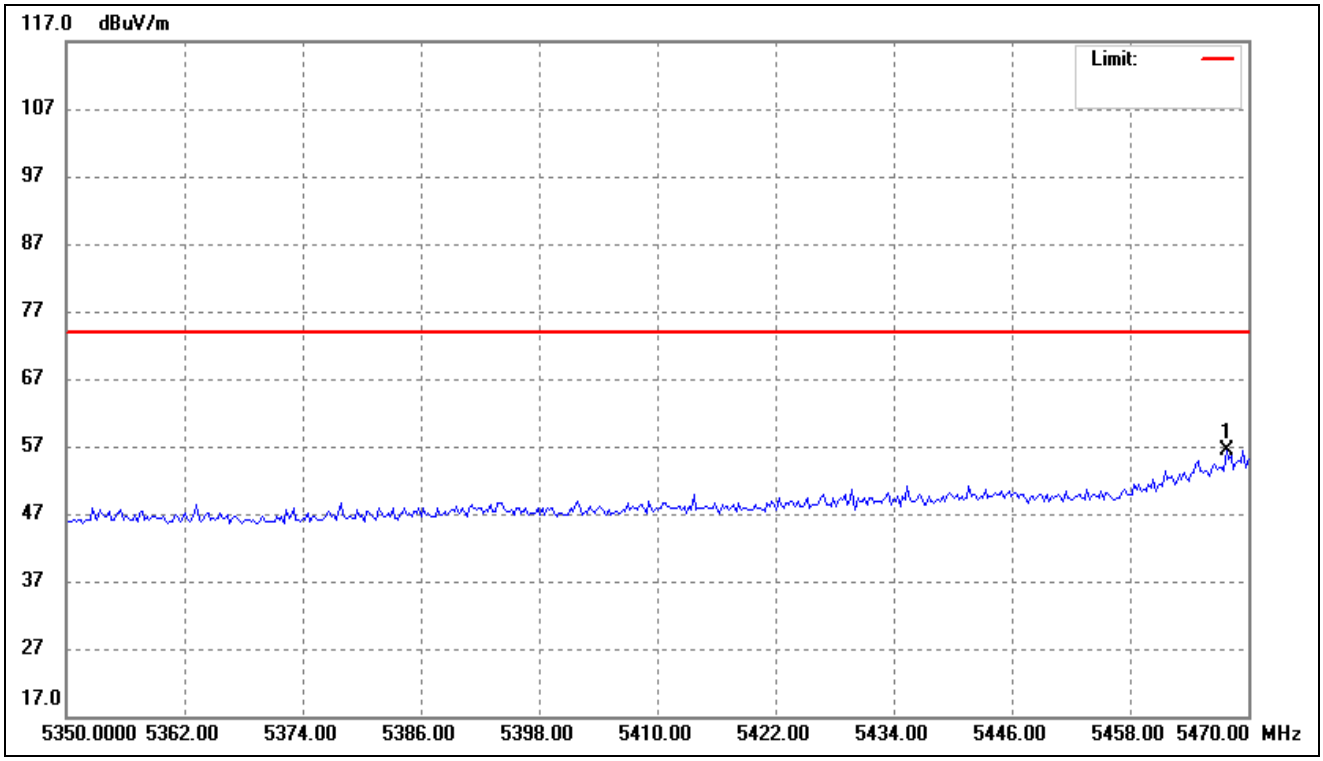
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5464.469	64.39	-10.11	54.28	74.00	-19.72	-	-	peak

802.11ax-HE20- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



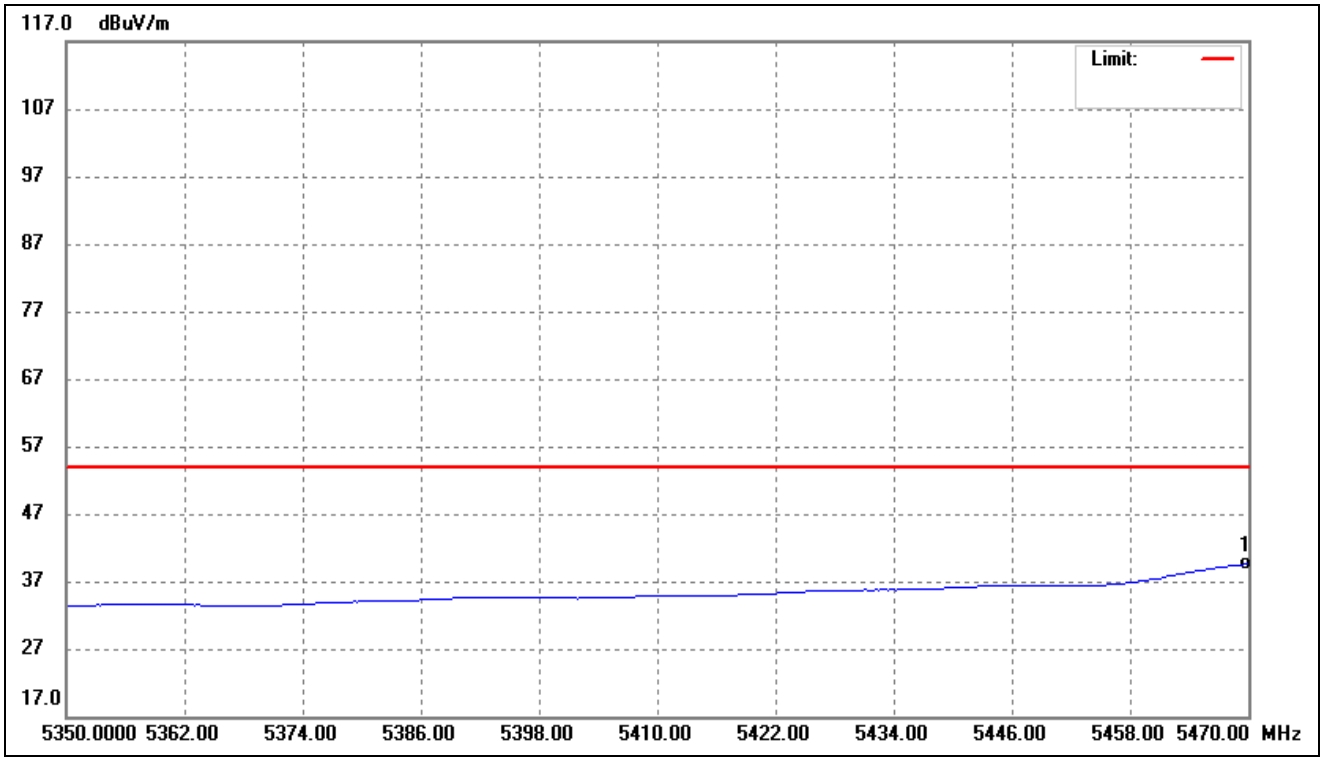
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5469.038	48.18	-10.09	38.09	54.00	-15.91	-	-	AVG

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



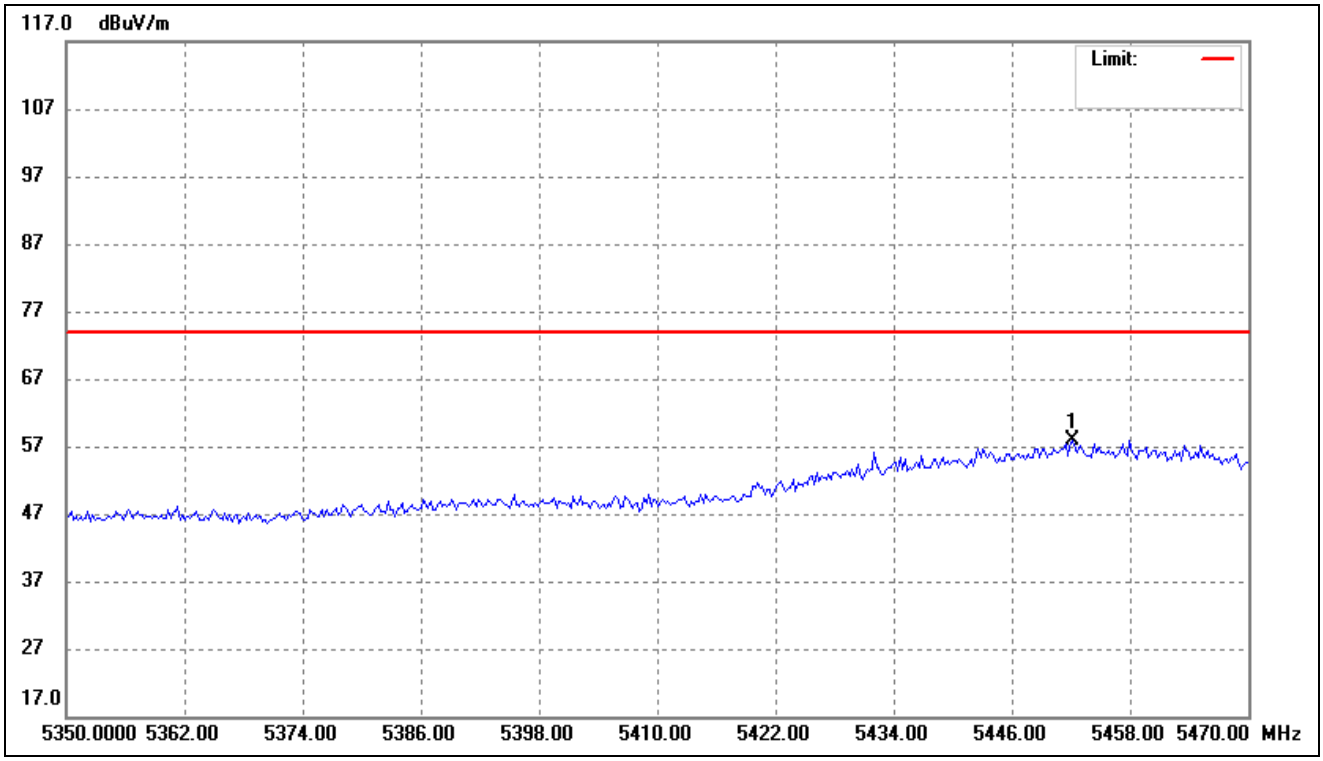
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5467.836	66.46	-10.09	56.37	74.00	-17.63	-	-	peak

802.11ax-HE40- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



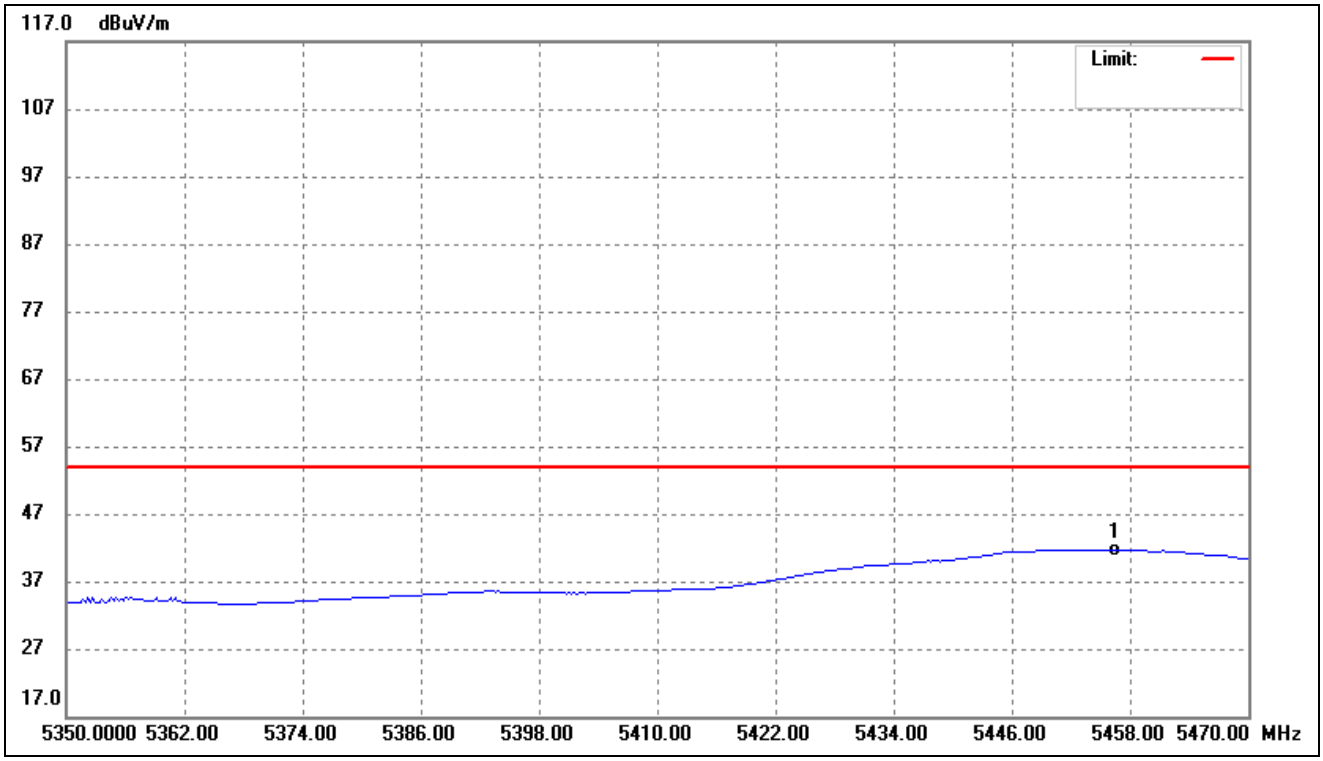
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5470.000	49.64	-10.08	39.56	54.00	-14.44	-	-	AVG

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



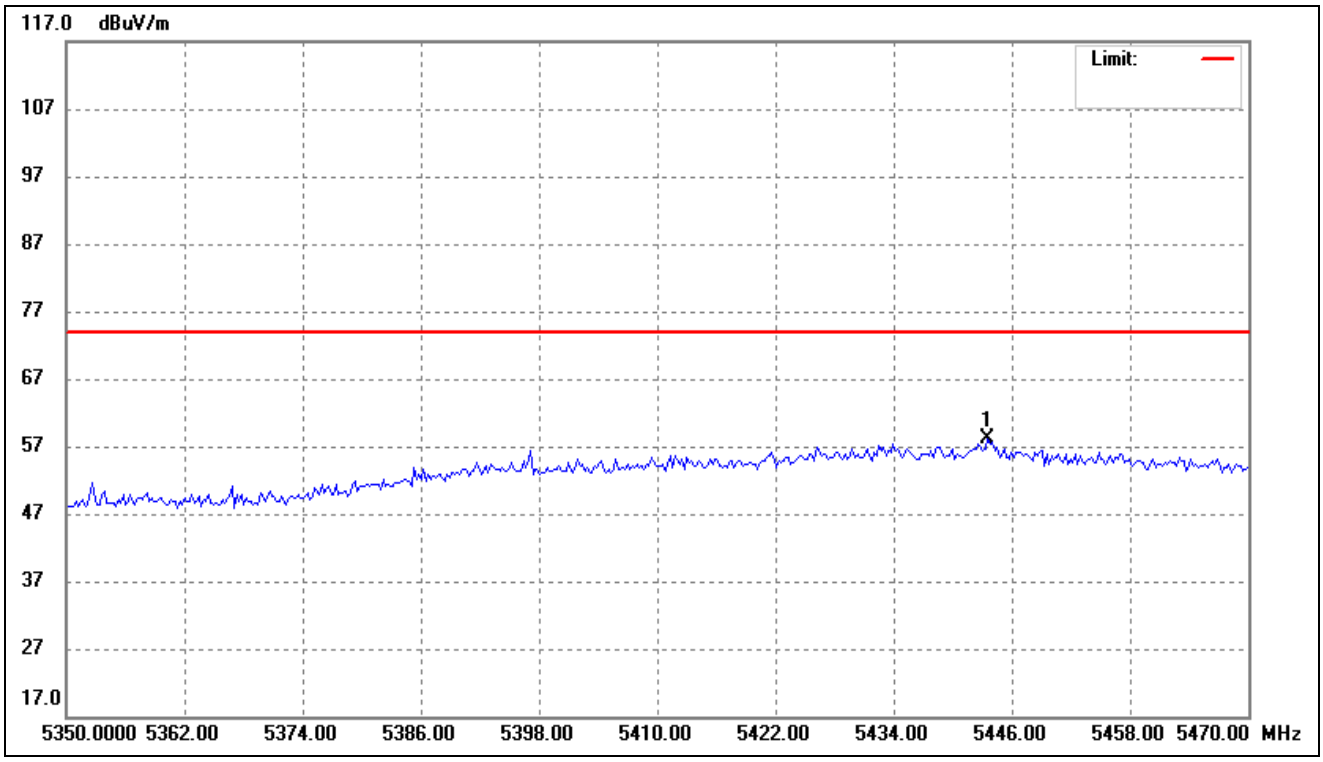
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5452.204	68.07	-10.17	57.90	74.00	-16.10	-	-	peak

802.11ax-HE80- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	Polarity:	Horizontal(worst case)



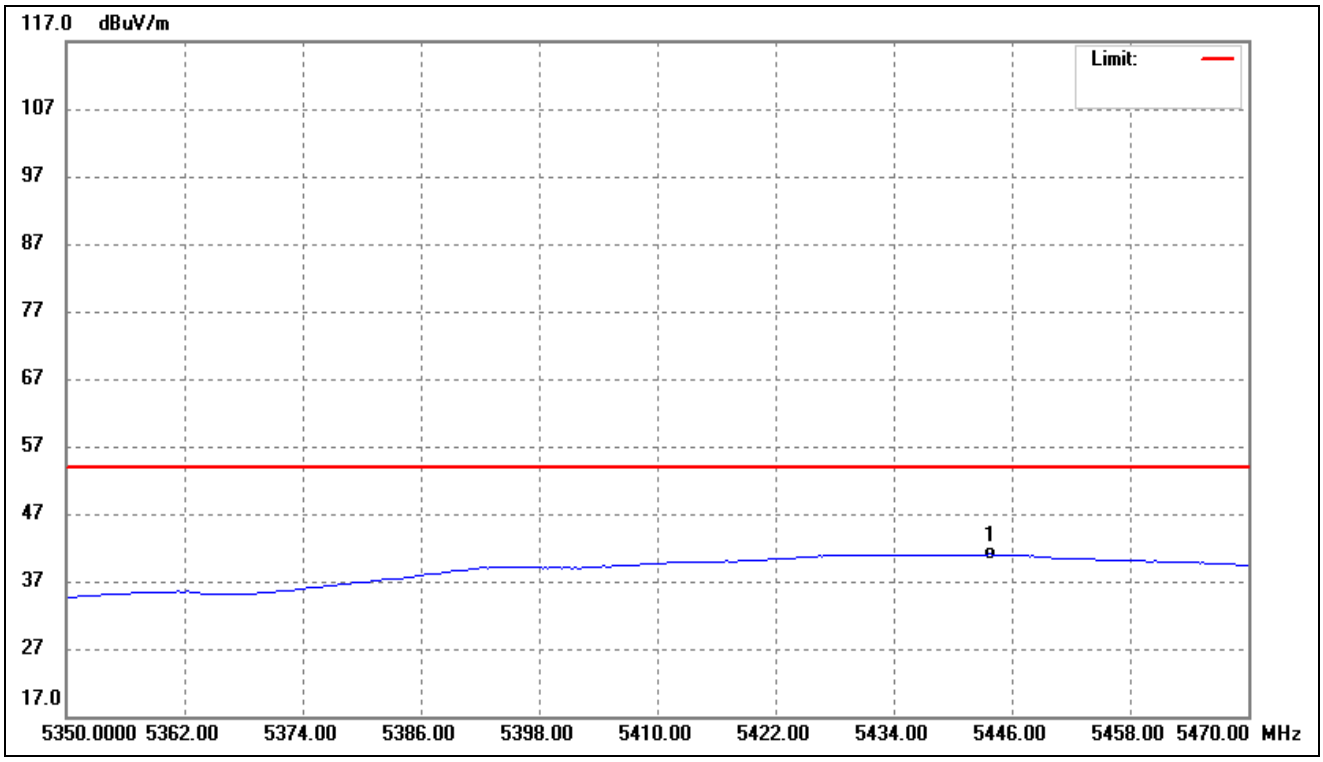
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	5456.533	51.86	-10.14	41.72	54.00	-12.28	-	-	AVG

802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	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	5443.547	68.45	-10.22	58.23	74.00	-15.77	-	-	peak

802.11ax-HE160- Restricted Bandedge			
Test Channel	band 5.47-5.72GHz	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	5443.788	51.26	-10.22	41.04	54.00	-12.96	-	-	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.

- Antenna 0(worst case)
- 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	58.75	7.11	65.86	74	-8.14	H	PK
10360	38.54	7.11	45.65	54	-8.35	H	AV
10360	55.95	7.11	63.06	74	-10.94	V	PK
10360	38.79	7.11	45.9	54	-8.1	V	AV
Middle Channel (5200MHz)							
10400	56.58	7.22	63.8	74	-10.20	H	PK
10400	38.78	7.22	46	54	-8.00	H	AV
10400	57.44	7.22	64.66	74	-9.34	V	PK
10400	41.9	7.22	49.12	54	-4.88	V	AV
High Channel (5240MHz)							
10480	58.64	7.69	66.33	74	-7.67	H	PK
10480	40.33	7.69	48.02	54	-5.98	H	AV
10480	57.17	7.69	64.86	74	-9.14	V	PK
10480	41.58	7.69	49.27	54	-4.73	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	58.94	7.96	66.9	74	-7.10	H	PK
10520	41.65	7.96	49.61	54	-4.39	H	AV
10520	55.16	7.96	63.12	74	-10.88	V	PK
10520	39.97	7.96	47.93	54	-6.07	V	AV
Middle Channel (5280MHz)							
10560	58.39	8.02	66.41	74	-7.59	H	PK
10560	38.64	8.02	46.66	54	-7.34	H	AV
10560	57.48	8.02	65.5	74	-8.50	V	PK
10560	41.69	8.02	49.71	54	-4.29	V	AV
High Channel (5320MHz)							
10640	57.50	8.35	65.85	74	-8.15	H	PK
10640	39.10	8.35	47.45	54	-6.55	H	AV
10640	55.51	8.35	63.86	74	-10.14	V	PK
10640	41.92	8.35	50.27	54	-3.73	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	56.82	8.82	65.64	74	-8.36	H	PK
11000	40.68	8.82	49.5	54	-4.50	H	AV
11000	56.63	8.82	65.45	74	-8.55	V	PK
11000	41.37	8.82	50.19	54	-3.81	V	AV
Middle Channel (5580MHz)							
11160	55.32	8.90	64.22	74	-9.78	H	PK
11160	39.78	8.90	48.68	54	-5.32	H	AV
11160	57.58	8.90	66.48	74	-7.52	V	PK
11160	39.65	8.90	48.55	54	-5.45	V	AV
High Channel (5700MHz)							
11400	58.37	9.36	67.73	74	-6.27	H	PK
11400	38.02	9.36	47.38	54	-6.62	H	AV
11400	58.49	9.36	67.85	74	-6.15	V	PK
11400	39.87	9.36	49.23	54	-4.77	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	56.37	9.45	65.82	74	-8.18	H	PK
11490	41.41	9.45	50.86	54	-3.14	H	AV
11490	56.50	9.45	65.95	74	-8.05	V	PK
11490	40.86	9.45	50.31	54	-3.69	V	AV
Middle Channel (5785MHz)							
11570	58.64	9.62	68.26	74	-5.74	H	PK
11570	41.36	9.62	50.98	54	-3.02	H	AV
11570	58.40	9.62	68.02	74	-5.98	V	PK
11570	41.86	9.62	51.48	54	-2.52	V	AV
High Channel (5825MHz)							
11650	55.28	9.84	65.12	74	-8.88	H	PK
11650	39.89	9.84	49.73	54	-4.27	H	AV
11650	58.37	9.84	68.21	74	-5.79	V	PK
11650	40.97	9.84	50.81	54	-3.19	V	AV

- Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.85	-27
Highest	Above 5350	-42.47	-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	-42.76	-27
Highest	Above 5350	-42.39	-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	-39.87	-27
Highest	Above 5725	-36.74	-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 5650	-43.12	-27
	5650 to 5700	-38.15	-27 to -17
	5700 to 5720	-27.56	-17 to 15.6
	5720 to 5725	-19.74	15.6 to 27
Highest	5850 to 5855	-15.13	27 to 15.6
	5855 to 5875	-27.56	15.6 to -17
	5875 to 5925	-36.12	-17 to -27
	Above 5925	-41.09	-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	58.75	7.11	65.86	74	-8.14	H	PK
10360	39.68	7.11	46.79	54	-7.21	H	AV
10360	55.52	7.11	62.63	74	-11.37	V	PK
10360	39.65	7.11	46.76	54	-7.24	V	AV
Middle Channel (5200MHz)							
10400	56.47	7.22	63.69	74	-10.31	H	PK
10400	41.22	7.22	48.44	54	-5.56	H	AV
10400	55.85	7.22	63.07	74	-10.93	V	PK
10400	38.76	7.22	45.98	54	-8.02	V	AV
High Channel (5240MHz)							
10480	58.71	7.69	66.40	74	-7.60	H	PK
10480	40.59	7.69	48.28	54	-5.72	H	AV
10480	56.36	7.69	64.05	74	-9.95	V	PK
10480	38.98	7.69	46.67	54	-7.33	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	58.06	7.96	66.02	74	-7.98	H	PK
10520	39.13	7.96	47.09	54	-6.91	H	AV
10520	57.54	7.96	65.50	74	-8.50	V	PK
10520	39.99	7.96	47.95	54	-6.05	V	AV
Middle Channel (5280MHz)							
10560	58.55	8.02	66.57	74	-7.43	H	PK
10560	38.78	8.02	46.80	54	-7.20	H	AV
10560	55.26	8.02	63.28	74	-10.72	V	PK
10560	38.86	8.02	46.88	54	-7.12	V	AV
High Channel (5320MHz)							
10640	57.97	8.35	66.32	74	-7.68	H	PK
10640	38.40	8.35	46.75	54	-7.25	H	AV
10640	55.48	8.35	63.83	74	-10.17	V	PK
10640	38.56	8.35	46.91	54	-7.09	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	55.80	8.82	64.62	74	-9.38	H	PK
11000	38.54	8.82	47.36	54	-6.64	H	AV
11000	58.33	8.82	67.15	74	-6.85	V	PK
11000	41.41	8.82	50.23	54	-3.77	V	AV
Middle Channel (5580MHz)							
11160	58.51	8.90	67.41	74	-6.59	H	PK
11160	41.99	8.90	50.89	54	-3.11	H	AV
11160	58.69	8.90	67.59	74	-6.41	V	PK
11160	38.78	8.90	47.68	54	-6.32	V	AV
High Channel (5700MHz)							
11400	57.56	9.84	67.40	74	-6.60	H	PK
11400	38.82	9.84	48.66	54	-5.34	H	AV
11400	56.73	9.84	66.57	74	-7.43	V	PK
11400	39.75	9.84	49.59	54	-4.41	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	58.84	9.45	68.29	74	-5.71	H	PK
11490	39.78	9.45	49.23	54	-4.77	H	AV
11490	56.49	9.45	65.94	74	-8.06	V	PK
11490	39.24	9.45	48.69	54	-5.31	V	AV
Middle Channel (5785MHz)							
11570	57.97	9.62	67.59	74	-6.41	H	PK
11570	39.20	9.62	48.82	54	-5.18	H	AV
11570	57.13	9.62	66.75	74	-7.25	V	PK
11570	40.65	9.62	50.27	54	-3.73	V	AV
High Channel (5825MHz)							
11650	57.42	9.84	67.26	74	-6.74	H	PK
11650	41.47	9.84	51.31	54	-2.69	H	AV
11650	57.67	9.84	67.51	74	-6.49	V	PK
11650	41.54	9.84	51.38	54	-2.62	V	AV

- Out of Band edge 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-38.59	-27
Highest	Above 5350	-40.48	-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	-40.68	-27
Highest	Above 5350	-42.19	-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	-38.57	-27
Highest	Above 5725	-39.28	-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 5650	-44.65	-27
	5650 to 5700	-37.14	-27 to -17
	5700 to 5720	-28.29	-17 to 15.6
	5720 to 5725	-17.56	15.6 to 27
Highest	5850 to 5855	-15.37	27 to 15.6
	5855 to 5875	-27.18	15.6 to -17
	5875 to 5925	-35.49	-17 to -27
	Above 5925	-38.96	-27
Note: the data just list the worst cases			

Note: this EUT was tested in the low, high channel and the worst case position data was reported.

- 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	58.72	7.89	66.61	74	-7.39	H	PK
10380	39.18	7.89	47.07	54	-6.93	H	AV
10380	58.12	7.89	66.01	74	-7.99	V	PK
10380	40.04	7.89	47.93	54	-6.07	V	AV
High Channel (5230MHz)							
10460	55.32	7.97	63.29	74	-10.71	H	PK
10460	40.23	7.97	48.20	54	-5.80	H	AV
10460	57.04	7.97	65.01	74	-8.99	V	PK
10460	40.61	7.97	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 (5270MHz)							
10540	55.65	8.16	63.81	74	-10.19	H	PK
10540	40.54	8.16	48.70	54	-5.30	H	AV
10540	58.62	8.16	66.78	74	-7.22	V	PK
10540	40.26	8.16	48.42	54	-5.58	V	AV
High Channel (5310MHz)							
10620	57.14	8.57	65.71	74	-8.29	H	PK
10620	38.03	8.57	46.60	54	-7.40	H	AV
10620	57.75	8.57	66.32	74	-7.68	V	PK
10620	39.18	8.57	47.75	54	-6.25	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	57.79	9.16	66.95	74	-7.05	H	PK
11020	38.67	9.16	47.83	54	-6.17	H	AV
11020	56.49	9.16	65.65	74	-8.35	V	PK
11020	39.94	9.16	49.10	54	-4.90	V	AV
Middle Channel (5550MHz)							
11100	57.06	9.22	66.28	74	-7.72	H	PK
11100	39.83	9.22	49.05	54	-4.95	H	AV
11100	55.41	9.22	64.63	74	-9.37	V	PK
11100	38.26	9.22	47.48	54	-6.52	V	AV
High Channel (5670MHz)							
11340	55.07	9.43	64.50	74	-9.50	H	PK
11340	39.20	9.43	48.63	54	-5.37	H	AV
11340	55.46	9.43	64.89	74	-9.11	V	PK
11340	39.39	9.43	48.82	54	-5.18	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	58.43	9.45	67.88	74	-6.12	H	PK
11510	39.71	9.45	49.16	54	-4.84	H	AV
11510	55.56	9.45	65.01	74	-8.99	V	PK
11510	39.90	9.45	49.35	54	-4.65	V	AV
High Channel (5795MHz)							
11590	57.24	9.27	66.51	74	-7.49	H	PK
11590	38.03	9.27	47.30	54	-6.70	H	AV
11590	58.55	9.27	67.82	74	-6.18	V	PK
11590	40.14	9.27	49.41	54	-4.59	V	AV

- Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-40.85	-27
Highest	Above 5350	-36.84	-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	-36.75	-27
Highest	Above 5350	-36.36	-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	-35.72	-27
Highest	Above 5725	-37.66	-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 5650	-46.57	-27
	5650 to 5700	-37.12	-27 to -17
	5700 to 5720	-28.39	-17 to 15.6
	5720 to 5725	-19.17	15.6 to 27
Highest	5850 to 5855	-14.16	27 to 15.6
	5855 to 5875	-27.34	15.6 to -17
	5875 to 5925	-34.52	-17 to -27
	Above 5925	-39.75	-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-VHT80)
- 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	55.51	7.53	63.04	74	-10.96	H	PK
10420	39.86	7.53	47.39	54	-6.61	H	AV
10420	55.08	7.53	62.61	74	-11.39	H	PK
10420	39.38	7.53	46.91	54	-7.09	H	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
5290MHz							
10580	58.26	7.95	66.21	74	-7.79	H	PK
10580	39.17	7.95	47.12	54	-6.88	H	AV
10580	55.86	7.95	63.81	74	-10.19	V	PK
10580	41.25	7.95	49.20	54	-4.80	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	55.29	9.42	64.71	74	-9.29	H	PK
11060	38.78	9.42	48.20	54	-5.80	H	AV
11060	57.60	9.42	67.02	74	-6.98	V	PK
11060	41.74	9.42	51.16	54	-2.84	V	AV
High Channel (5610MHz)							
11220	56.71	9.69	66.40	74	-7.60	H	PK
11220	39.85	9.69	49.54	54	-4.46	H	AV
11220	57.77	9.69	67.46	74	-6.54	V	PK
11220	40.99	9.69	50.68	54	-3.32	V	AV

Frequency	Reading	Correct	Result	Limit	Margin	Polar	Detector
(MHz)	(dBuV/m)	dB	(dBuV/m)	(dBuV/m)	(dB)	H/V	
5775MHz							
11550	57.33	9.93	67.26	74	-6.74	H	PK
11550	41.64	9.93	51.57	54	-2.43	H	AV
11550	57.84	9.93	67.77	74	-6.23	V	PK
11550	40.04	9.93	49.97	54	-4.03	V	AV

- Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-38.74	-27
Highest	Above 5350	-35.38	-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	-36.57	-27
Highest	Above 5350	-37.92	-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	-40.13	-27
Highest	Above 5725	-37.59	-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 5650	-45.36	-27
	5650 to 5700	-35.76	-27 to -17
	5700 to 5720	-29.48	-17 to 15.6
	5720 to 5725	-18.12	15.6 to 27
Highest	5850 to 5855	-14.66	27 to 15.6
	5855 to 5875	-26.74	15.6 to -17
	5875 to 5925	-35.31	-17 to -27
	Above 5925	-39.65	-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

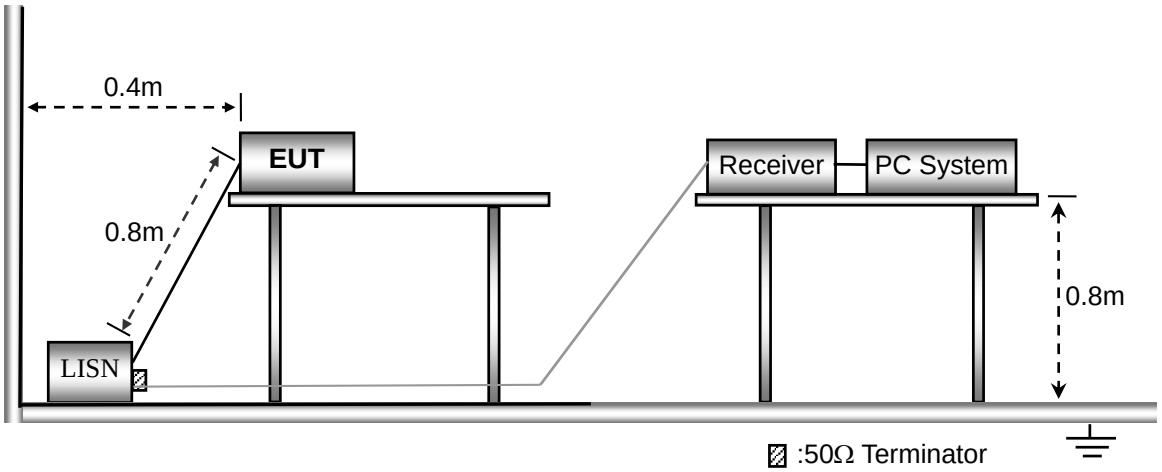
Please refer to Appendix D

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

Not applicable

APPENDIX SUMMARY

Project No.	WTH23X04087275W	Test Engineer	Timi Huang
Start date	2023/4/24	Finish date	2023/5/10
Temperature	23.5℃	Humidity	51%
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	ANT 0 dBm/MHz	ANT 1 dBm/MHz	Total dBm/MHz	Limit (dBm/MHz)
802.11a	5180	2.04	2.72	/	11
	5200	2.56	1.65	/	11
	5240	2.16	2.26	/	11
802.11n-HT20	5180	3.11	3.36	6.25	11
	5200	3.84	3.43	6.65	11
	5240	3.33	3.34	6.35	11
802.11n-HT40	5190	0.46	0.73	3.61	11
	5230	0.13	0.71	3.44	11
802.11ac-VHT20	5180	1.15	2.08	4.65	11
	5200	1.79	2.07	4.94	11
	5240	1.39	2.01	4.72	11
802.11ac-VHT40	5190	-1.72	-1.76	1.27	11
	5230	-1.80	-1.74	1.24	11
802.11ac-VHT80	5210	-4.41	-5.83	-2.05	11
802.11ac-VHT160	5250	-9.08	-9.81	-6.42	11
802.11ax-HE20	5180	0.71	0.83	3.78	11
	5200	0.94	0.85	3.91	11
	5240	0.82	0.81	3.83	11
802.11ax-HE40	5190	-2.62	-2.59	0.41	11
	5230	-2.63	-2.63	0.38	11
802.11ax-HE80	5210	-6.19	-6.40	-3.28	11
802.11ax-HE160	5250	-9.17	-9.86	-6.49	11

Power Spectral Density					
U-NII-2A: 5250-5350MHz					
Operating mode	Test Channel	ANT 0 dBm/MHz	ANT 1 dBm/MHz	Total dBm/MHz	Limit (dBm/MHz)
802.11a	5260	2.54	2.06	/	11
	5280	2.35	2.00	/	11
	5320	1.27	2.10	/	11
802.11n-HT20	5260	3.92	3.33	6.65	11
	5280	3.73	3.18	6.47	11
	5320	2.62	3.27	5.97	11
802.11n-HT40	5270	0.64	0.54	3.60	11
	5310	-0.41	0.20	2.92	11
802.11ac-VHT20	5260	1.96	2.35	5.17	11
	5280	1.82	2.16	5.00	11
	5320	0.68	2.27	4.56	11
802.11ac-VHT40	5270	-1.44	-1.06	1.76	11
	5310	-2.44	-1.85	0.88	11
802.11ac-VHT80	5290	-6.26	-5.59	-2.90	11
802.11ac-VHT160	5250	-9.08	-9.81	-6.42	11
802.11ax-HE20	5260	1.18	0.56	3.89	11
	5280	0.84	0.57	3.72	11
	5320	0.56	0.58	3.58	11
802.11ax-HE40	5270	-2.50	-2.32	0.60	11
	5310	-2.73	-2.70	0.30	11
802.11ax-HE80	5290	-6.03	-6.13	-3.07	11
802.11ax-HE160	5250	-9.17	-9.86	-6.49	11

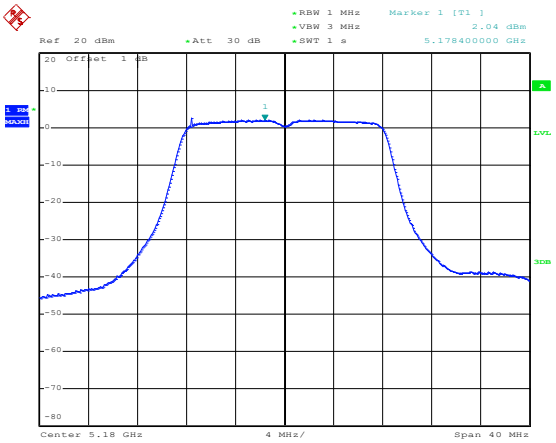
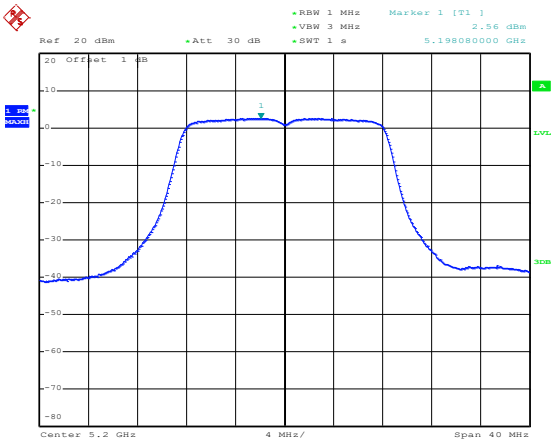
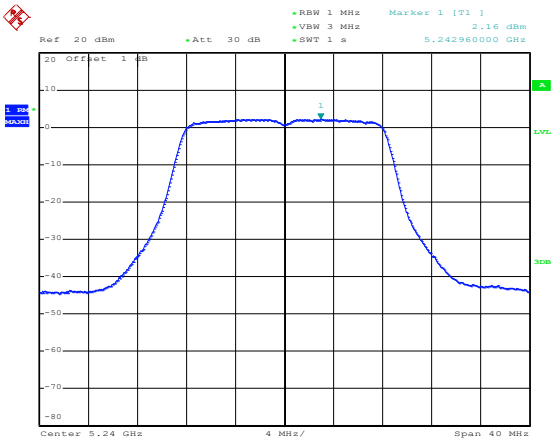
Power Spectral Density					
U-NII-2C: 5470-5725MHz					
Operating mode	Test Channel	ANT 0 dBm/MHz	ANT 1 dBm/MHz	Total dBm/MHz	Limit (dBm/MHz)
802.11a	5500	2.61	3.15	/	11
	5600	1.85	1.61	/	11
	5700	1.66	1.73	/	11
802.11n-HT20	5500	3.19	3.27	6.24	11
	5600	3.58	3.28	6.44	11
	5700	3.30	3.47	6.40	11
802.11n-HT40	5510	0.37	0.09	3.24	11
	5590	-0.02	0.47	3.24	11
	5670	0.64	0.46	3.56	11
802.11ac-VHT20	5500	2.20	2.23	5.23	11
	5600	1.97	2.31	5.15	11
	5700	2.23	1.99	5.12	11
802.11ac-VHT40	5510	-1.59	-2.00	1.22	11
	5590	-0.02	0.47	3.24	11
	5670	-1.90	-1.55	1.29	11
802.11ac-VHT80	5530	-5.47	-5.93	-2.68	11
	5610	-5.57	-5.95	-2.75	11
802.11ac-VHT160	5570	-9.69	-9.66	-6.66	11
802.11ax-HE20	5500	0.81	0.58	3.71	11
	5600	1.24	1.03	4.15	11
	5700	0.87	1.03	3.96	11
802.11ax-HE40	5510	-2.76	-2.79	0.24	11
	5590	-0.02	0.47	3.24	11
	5670	-2.22	-2.83	0.50	11
802.11ax-HE80	5530	-7.39	-5.98	-3.62	11
	5610	-7.89	-6.25	-3.98	11
802.11ax-HE160	5570	-9.73	-9.77	-6.74	11

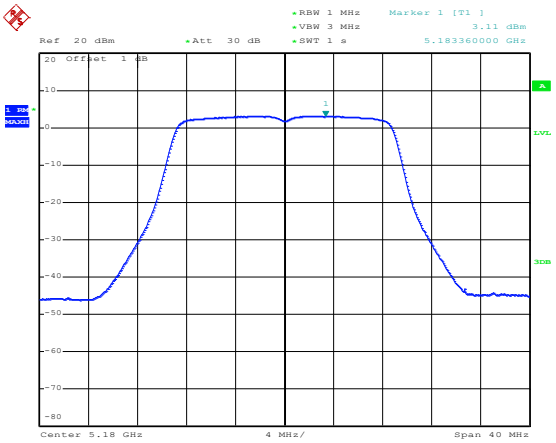
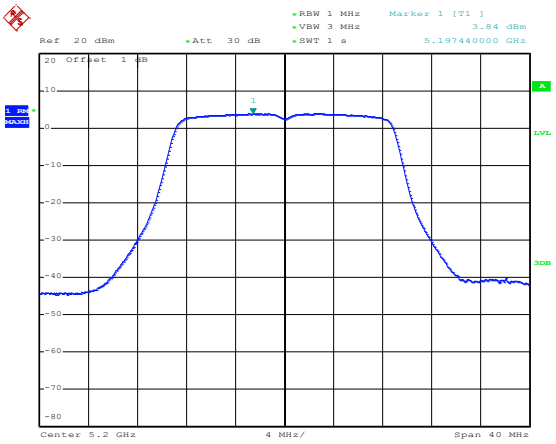
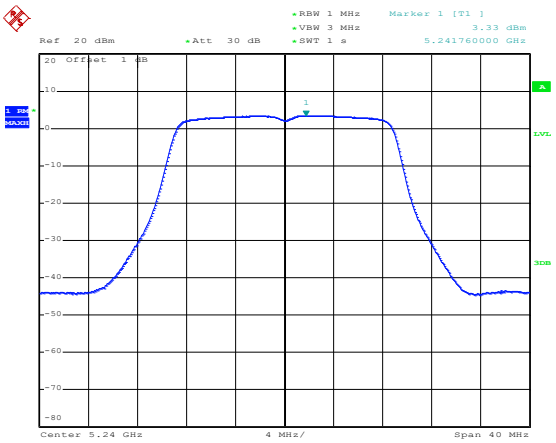
Power Spectral Density							
U-NII-3: 5725-5850MHz							
Operating mode	Test Channel	ANT 0 dBm/300kHz	ANT 1 dBm/300kHz	Factor	ANT 0 dBm/500kHz*	ANT 1 dBm/500kHz*	Limit dBm/500kHz
802.11a	5745	2.04	1.79	2.22	4.26	4.01	30
	5785	1.64	1.56	2.22	3.86	3.78	30
	5825	2.36	1.57	2.22	4.58	3.79	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22							

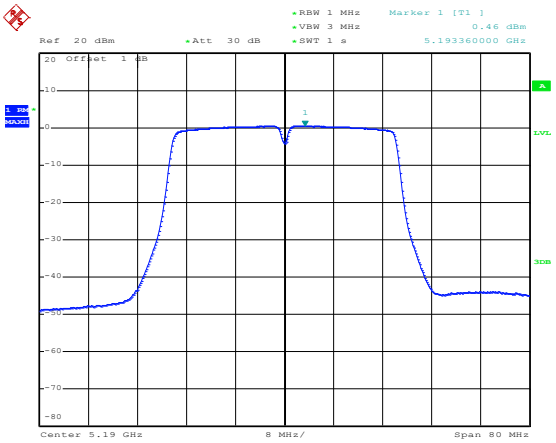
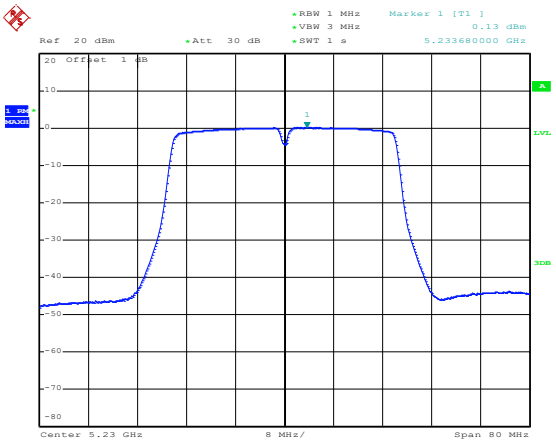
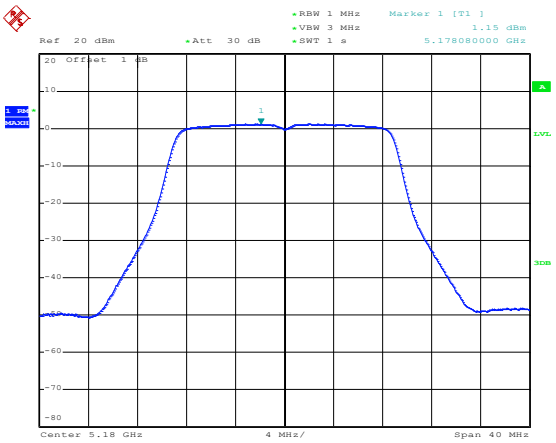
Power Spectral Density						
U-NII-3: 5725-5850MHz						
Operating mode	Test Channel	ANT 0 dBm/300kHz	ANT 1 dBm/300kHz	Factor	Total dBm/500kHz*	Limit dBm/500kHz
802.11n-HT20	5745	3.57	3.43	2.22	8.73	30
	5785	3.39	3.25	2.22	8.55	30
	5825	3.66	2.48	2.22	8.34	30
802.11n HT40	5755	0.13	-0.30	2.22	5.15	30
	5795	0.90	-0.76	2.22	5.38	30
802.11ac-VHT20	5745	1.96	1.24	2.22	6.85	30
	5785	2.33	1.29	2.22	7.07	30
	5825	2.09	0.77	2.22	6.71	30
802.11ac-VHT40	5755	-1.77	-2.34	2.22	-0.12	30
	5795	-1.68	-2.43	2.22	3.19	30
802.11ac-VHT80	5775	-5.35	-6.42	2.22	-0.62	30
802.11ax-HE20	5745	0.76	0.18	2.22	5.71	30
	5785	0.69	0.24	2.22	5.70	30
	5825	0.90	-0.33	2.22	5.56	30
802.11ax-HE40	5755	-2.61	-3.17	2.22	2.35	30
	5795	-2.32	-3.42	2.22	2.40	30
802.11ax-HE80	5775	-5.88	-7.01	2.22	-1.18	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22						

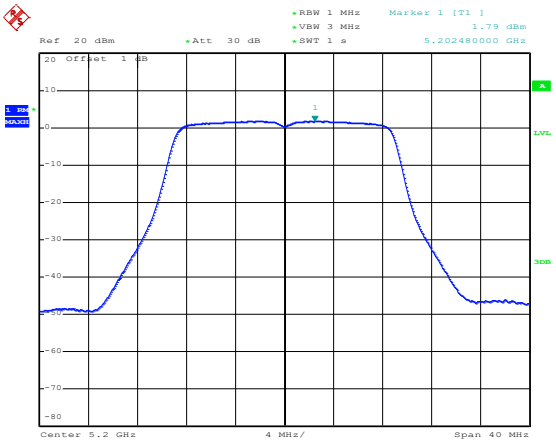
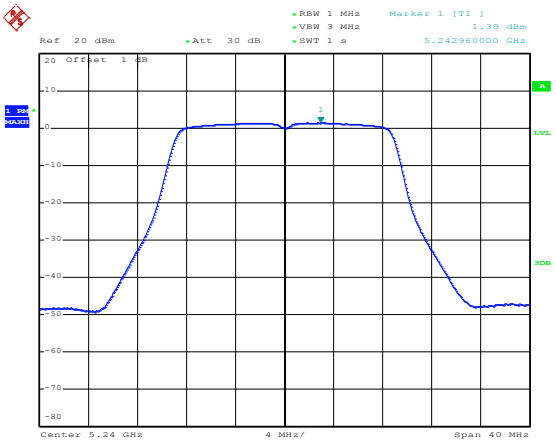
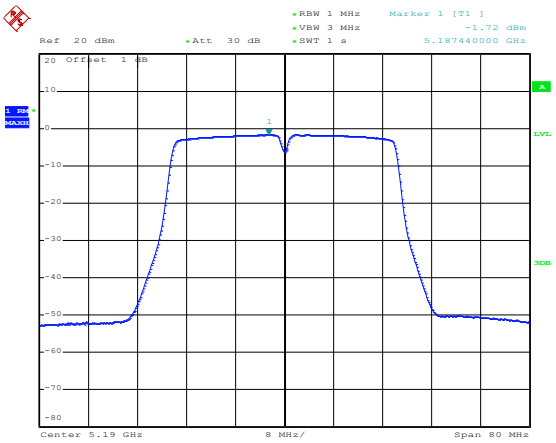
ANT 0

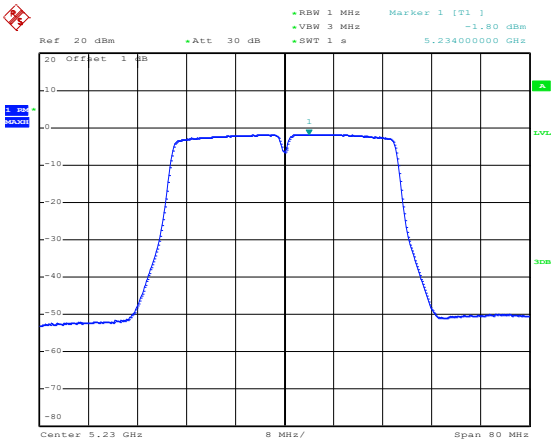
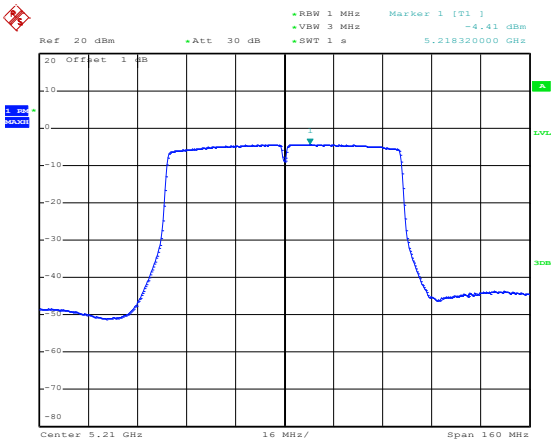
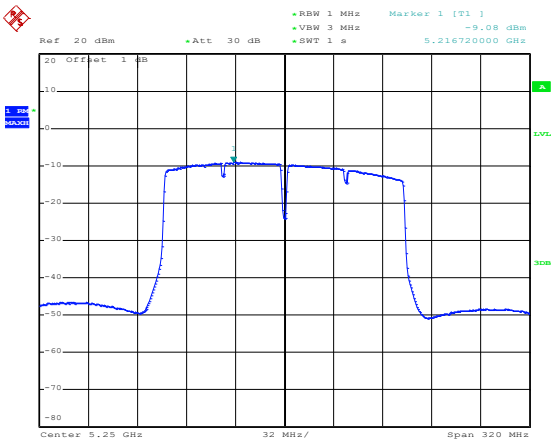
5150-5250MHz

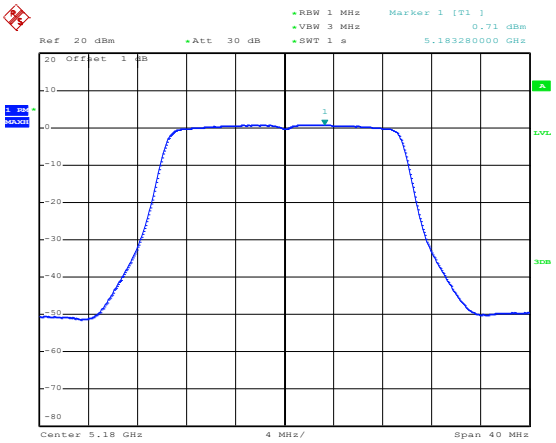
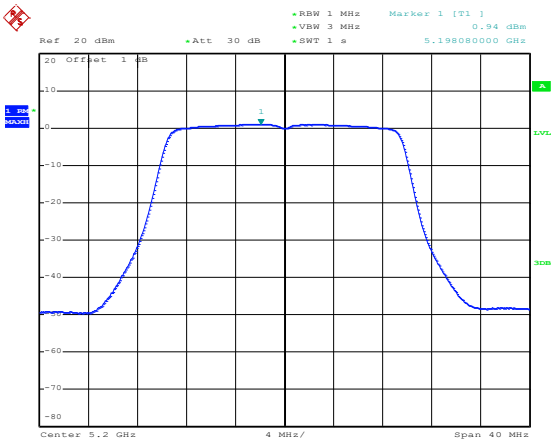
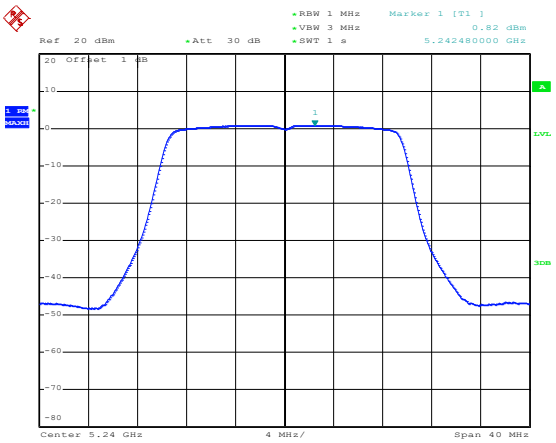
802.11a-Low	
802.11a-Middle	
802.11a-High	

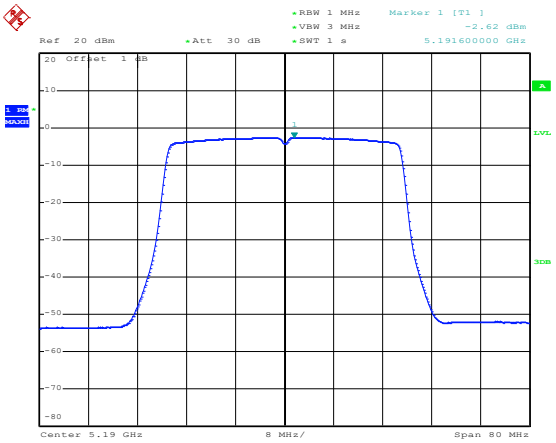
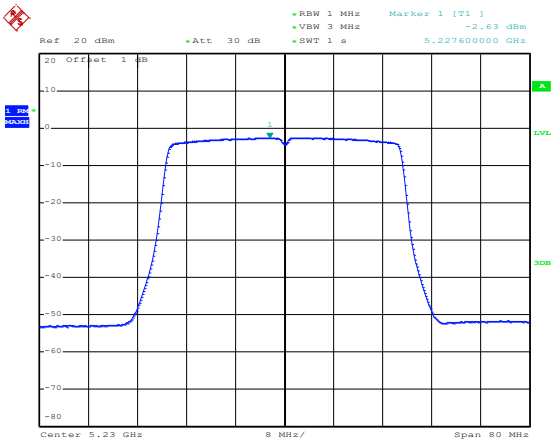
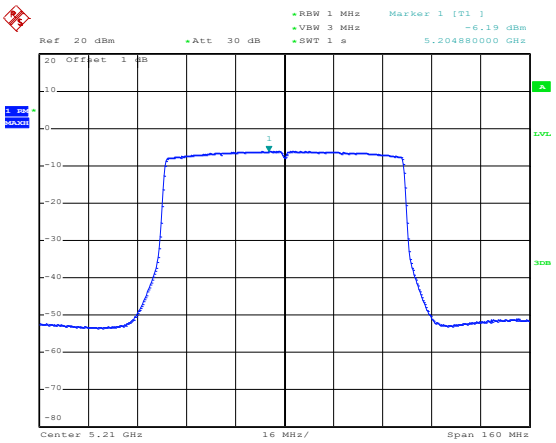
802.11n-HT20-Low	
802.11n-HT20-Middle	
802.11n-HT20-High	

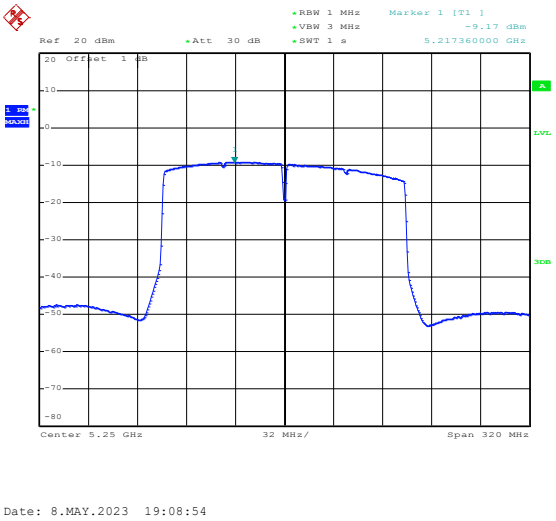
802.11n-HT40-Low	
802.11n-HT40-High	
802.11ac-VHT20-Low	

802.11ac-VHT20-Middle	 Date: 24.APR.2023 16:54:06
802.11ac-VHT20-High	 Date: 24.APR.2023 16:54:39
802.11ac-VHT40-Low	 Date: 24.APR.2023 16:55:53

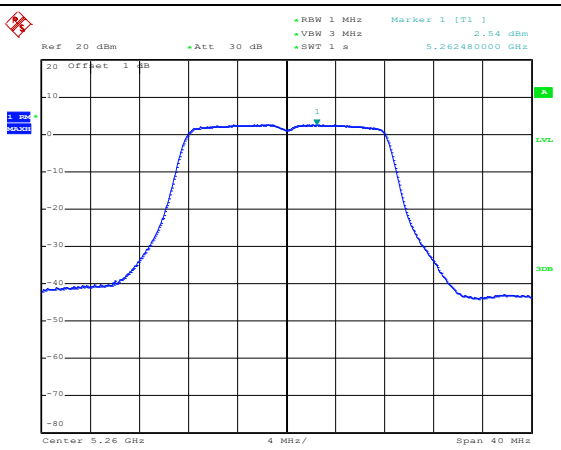
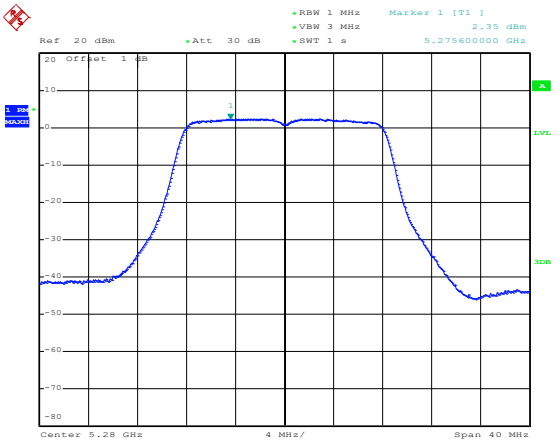
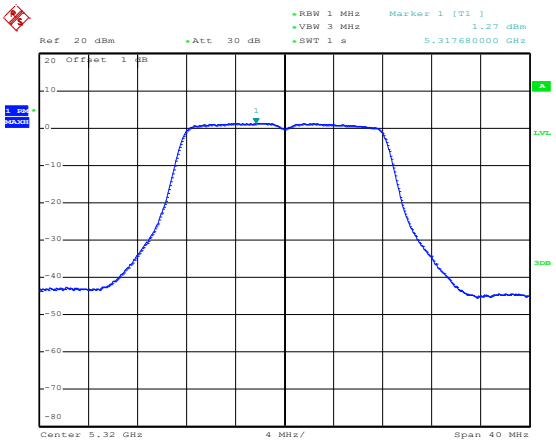
802.11ac-VHT40-High	
802.11ac-VHT80	
802.11ac-VHT160	

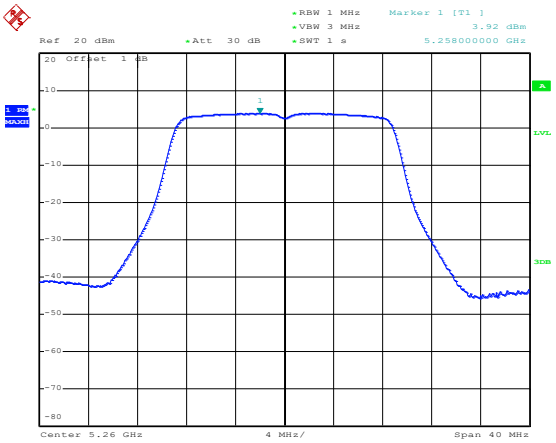
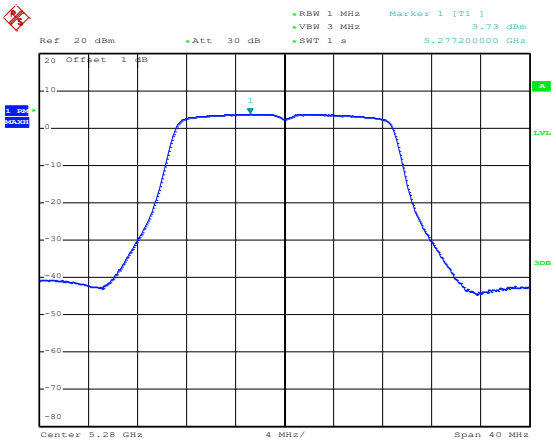
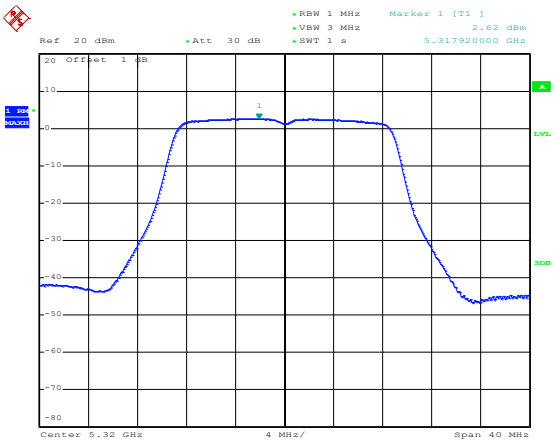
802.11ax-HE20-Low	 Date: 27.APR.2023 16:33:21
802.11ax-HE20-Middle	 Date: 27.APR.2023 16:34:04
802.11ax-HE20-High	 Date: 27.APR.2023 16:34:47

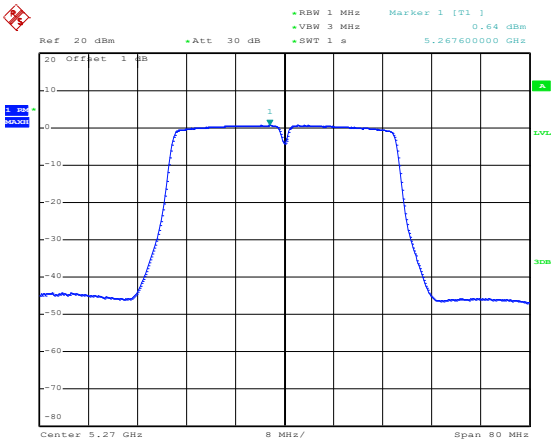
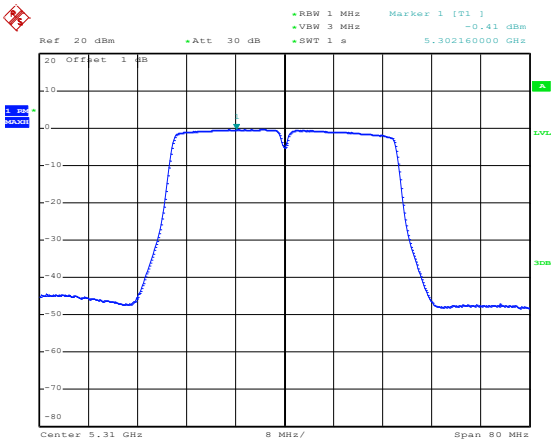
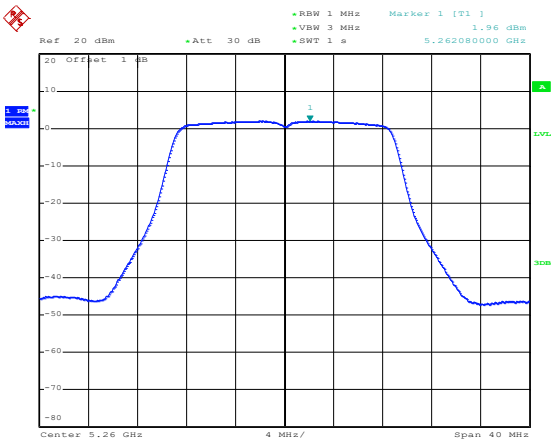
802.11ax-HE40-Low	
802.11ax-HE40-High	
802.11ax-HE80	

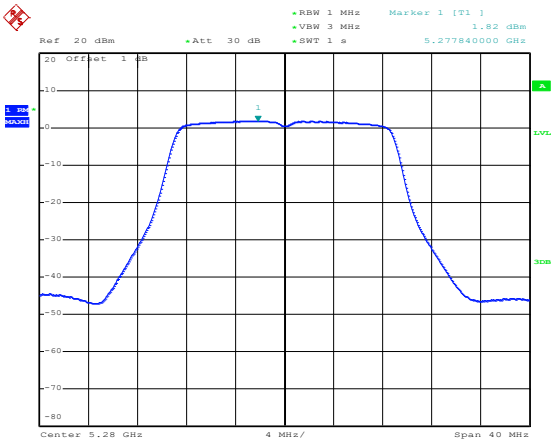
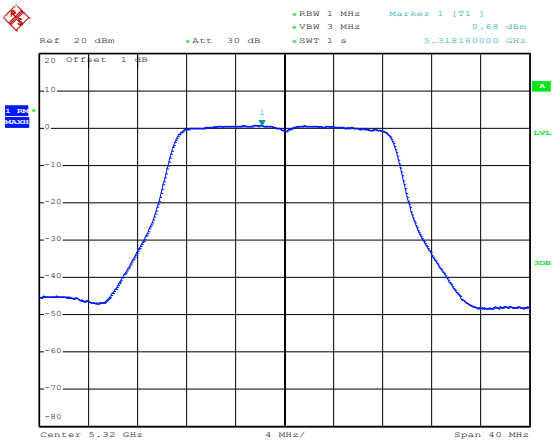
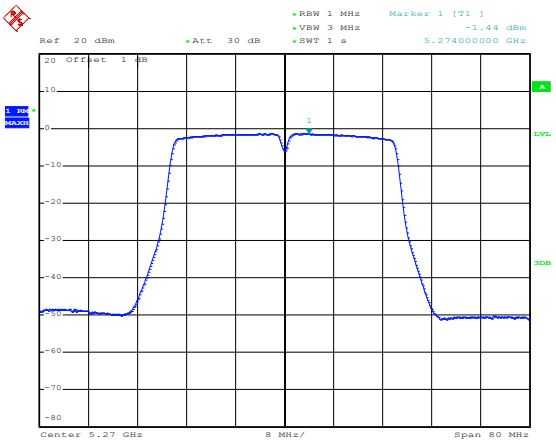
802.11ax-HE160	

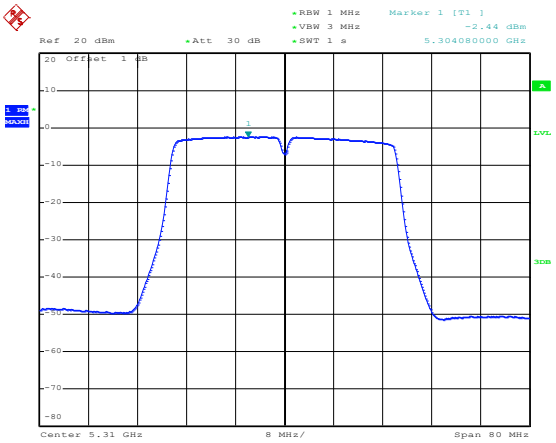
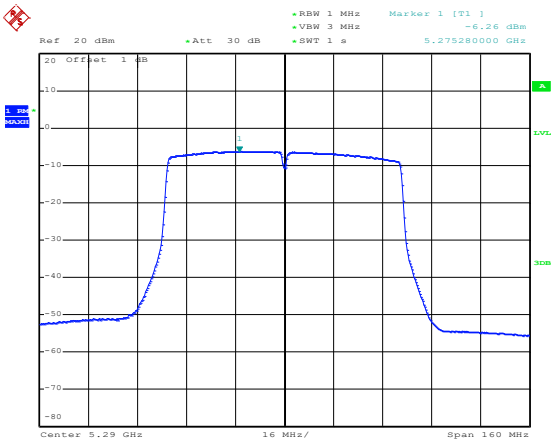
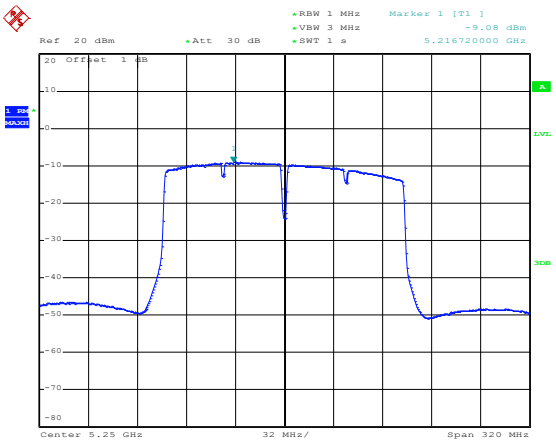
5250-5350MHz

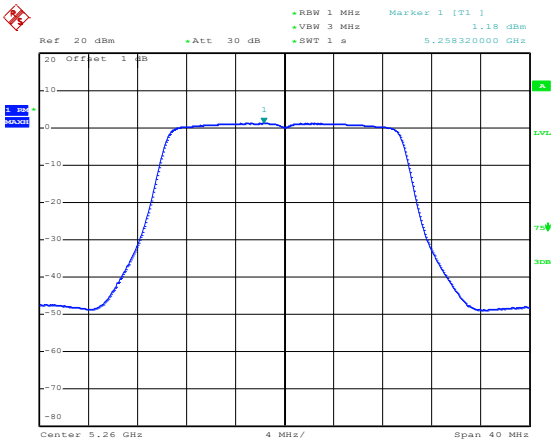
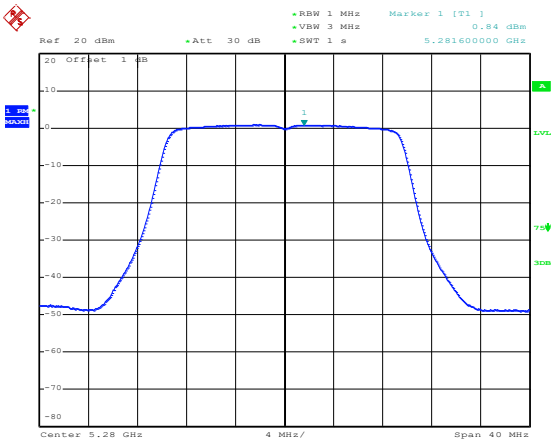
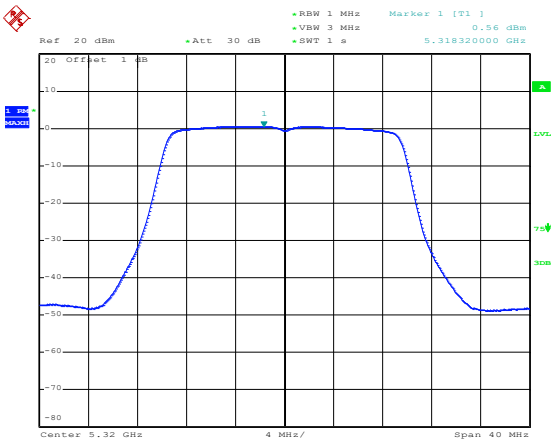
802.11a-Low	
802.11a-Middle	
802.11a-High	

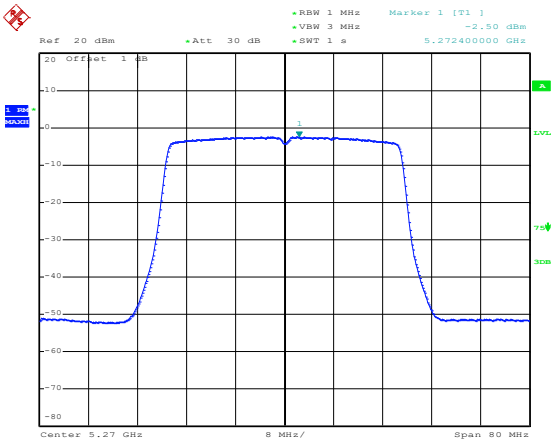
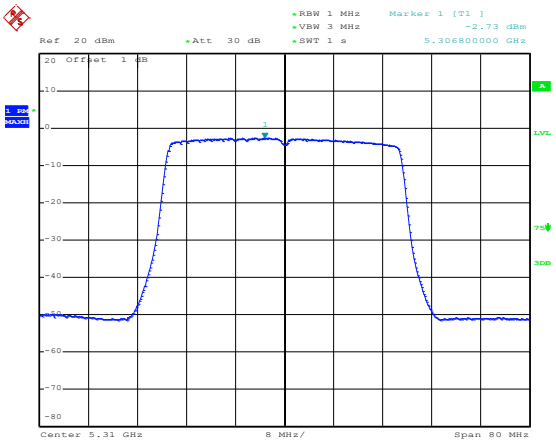
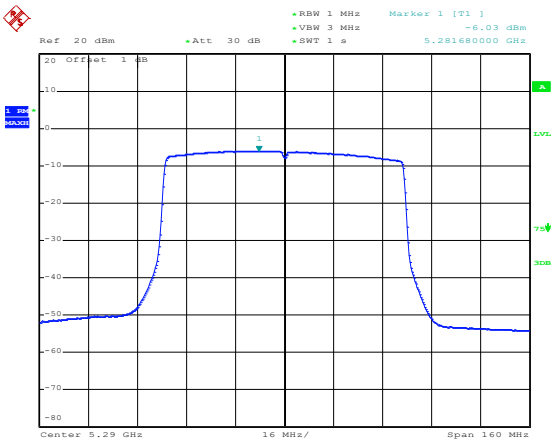
802.11n-HT20-Low	 Date: 25.APR.2023 14:37:12
802.11n-HT20-Middle	 Date: 25.APR.2023 14:37:40
802.11n-HT20-High	 Date: 25.APR.2023 14:38:19

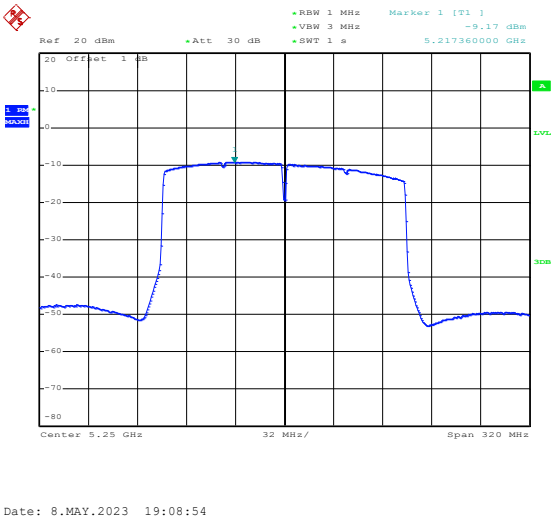
802.11n-HT40-Low	 Date: 25.APR.2023 14:39:19
802.11n-HT40-High	 Date: 25.APR.2023 14:40:05
802.11ac-VHT20-Low	 Date: 25.APR.2023 14:41:01

802.11ac-VHT20-Middle	 Date: 25.APR.2023 14:42:02
802.11ac-VHT20-High	 Date: 25.APR.2023 14:42:40
802.11ac-VHT40-Low	 Date: 25.APR.2023 14:43:34

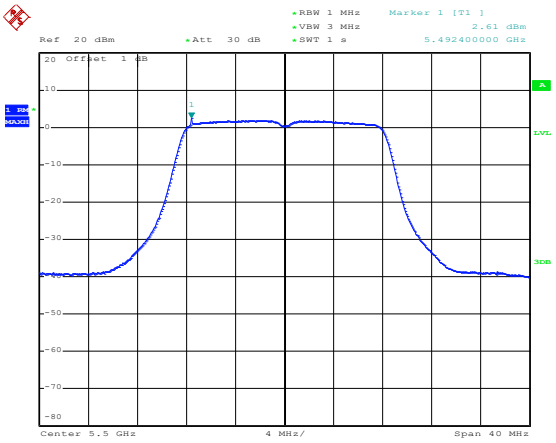
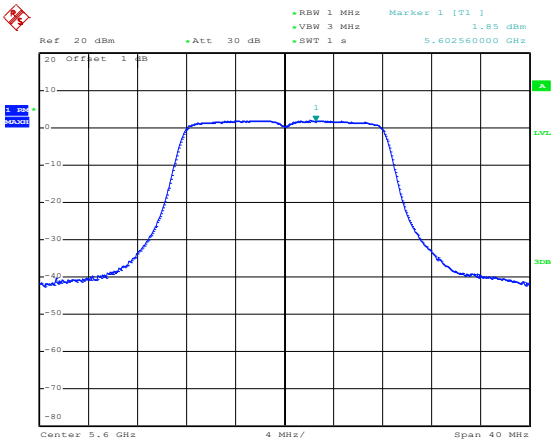
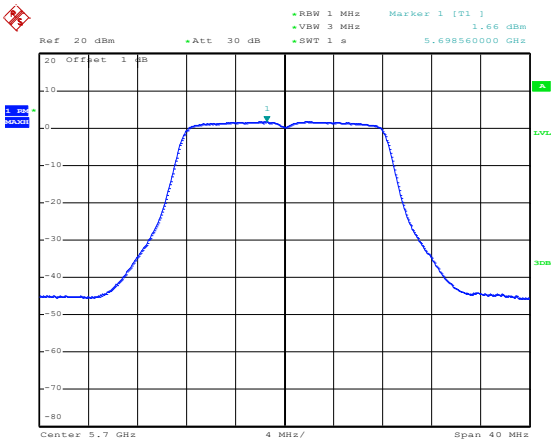
802.11ac-VHT40-High	 Date: 25.APR.2023 14:44:12
802.11ac-VHT80	 Date: 25.APR.2023 14:44:58
802.11ac-VHT160	 Date: 8.MAY.2023 19:08:00

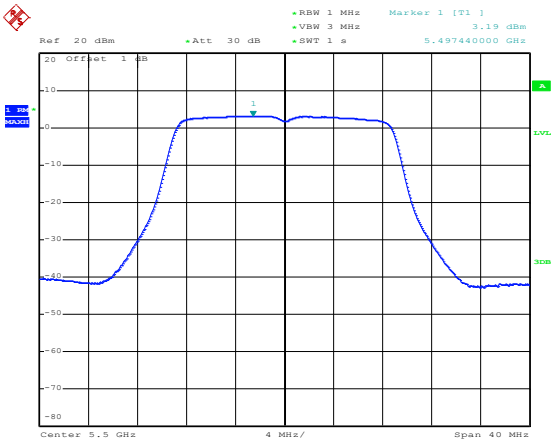
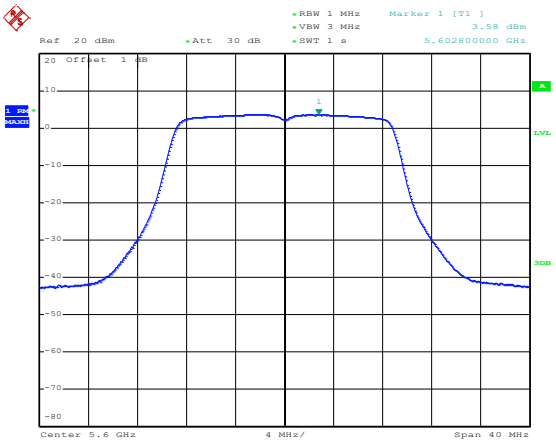
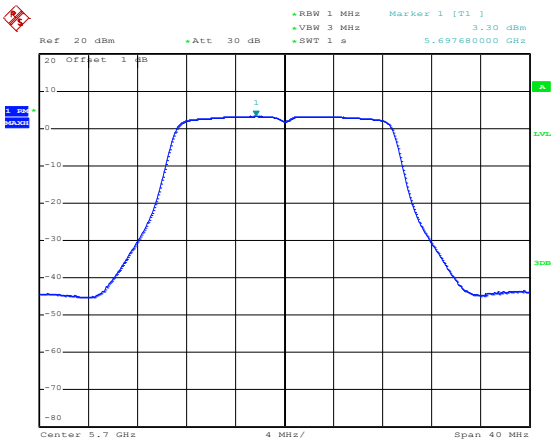
802.11ax-HE20-Low	 Date: 27.APR.2023 19:09:30
802.11ax-HE20-Middle	 Date: 27.APR.2023 19:10:14
802.11ax-HE20-High	 Date: 27.APR.2023 19:11:07

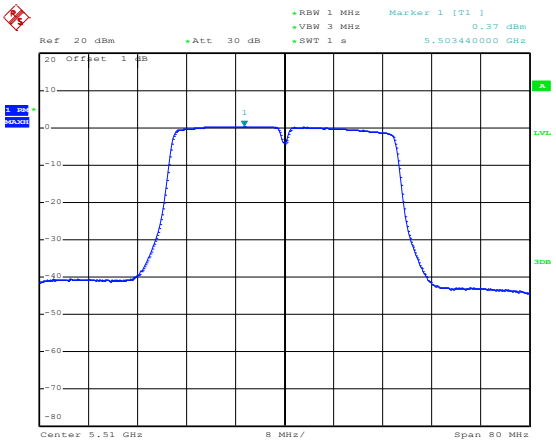
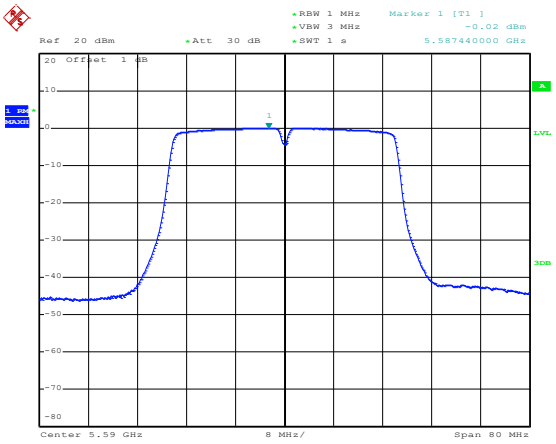
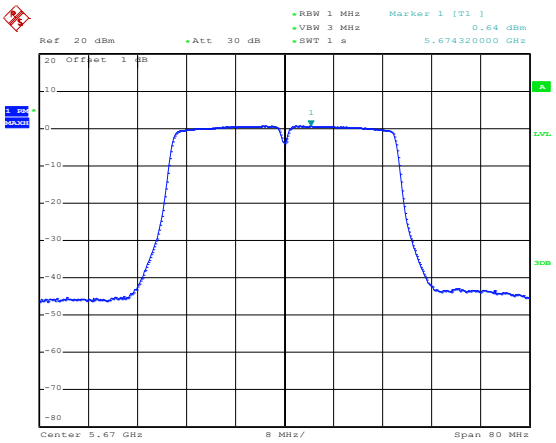
802.11ax-HE40-Low	
802.11ax-HE40-High	
802.11ax-HE80	

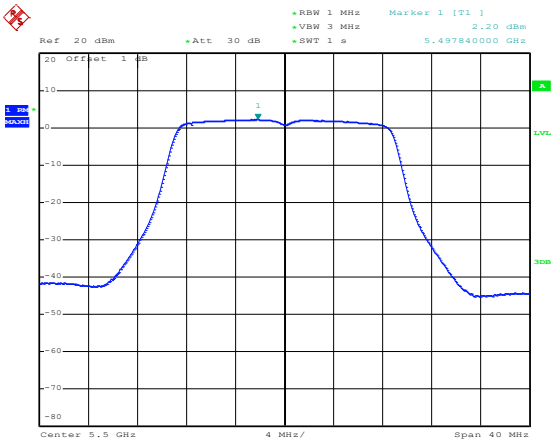
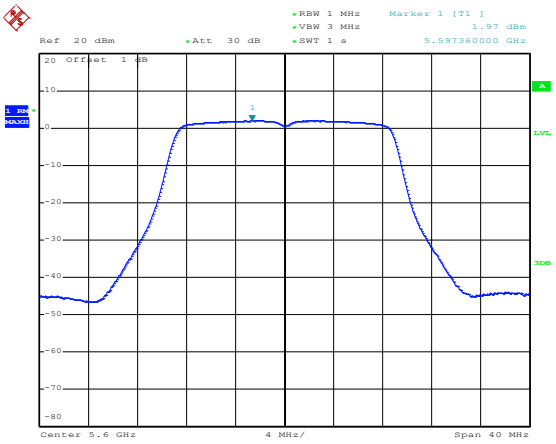
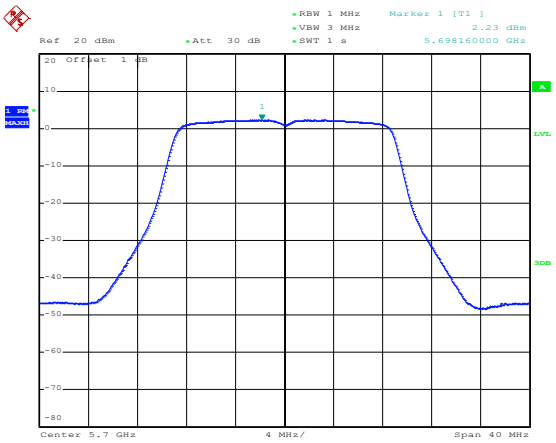
802.11ax-HE160	

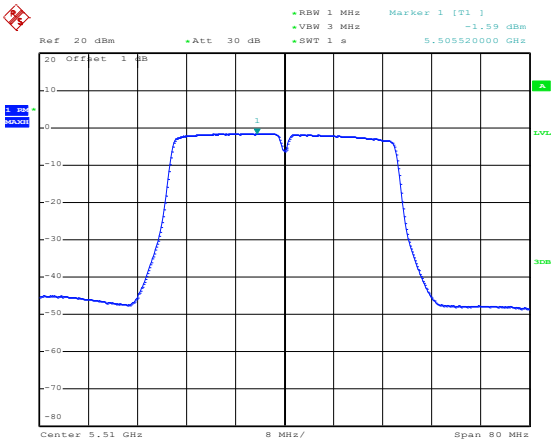
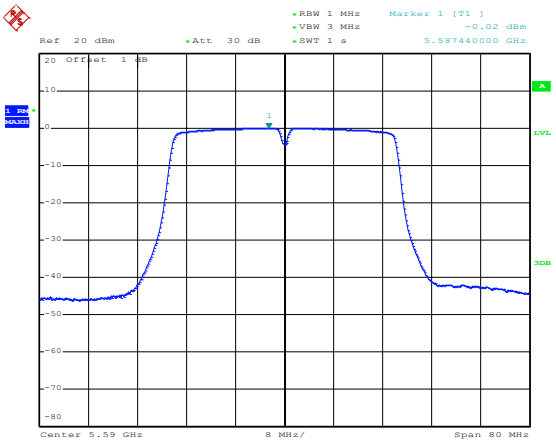
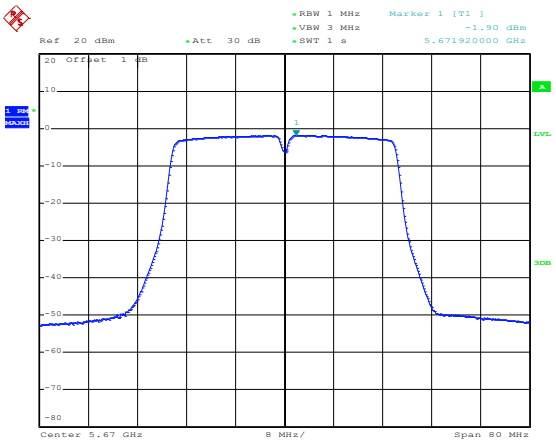
5470-5725MHz

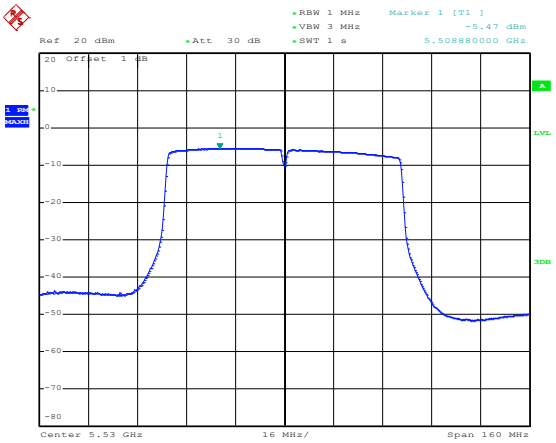
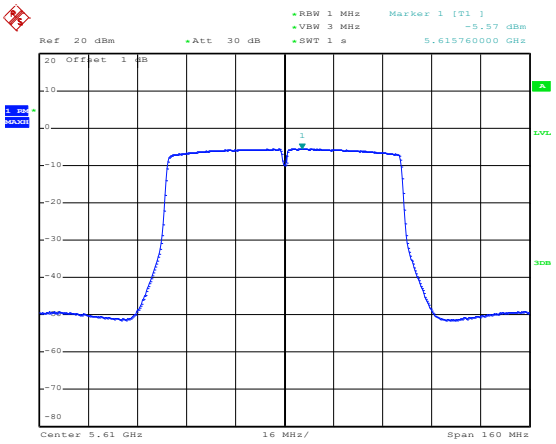
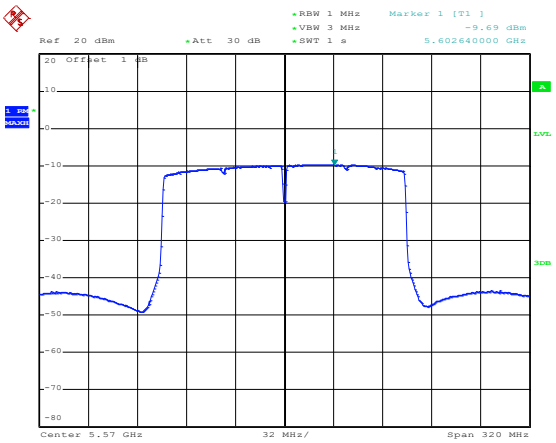
802.11a-Low	
802.11a-Middle	
802.11a-High	

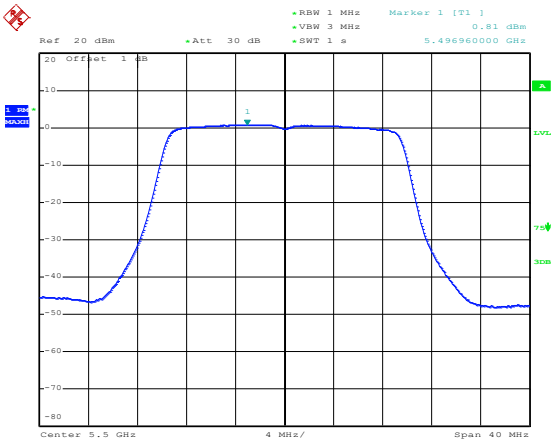
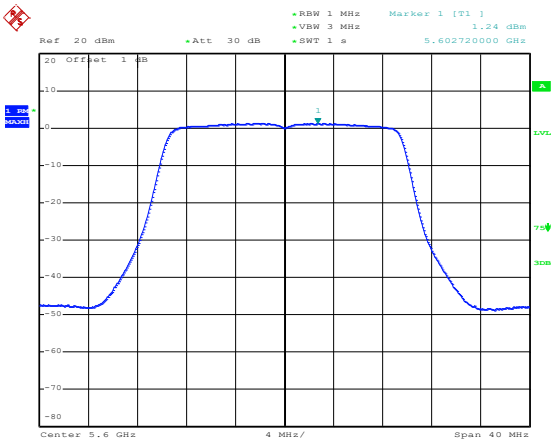
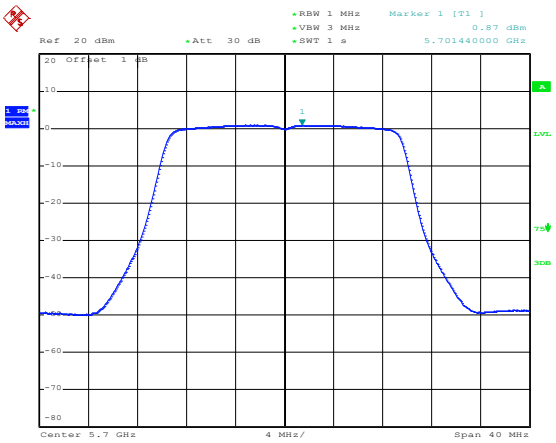
802.11n-HT20-Low	
802.11n-HT20-Middle	
802.11n-HT20-High	

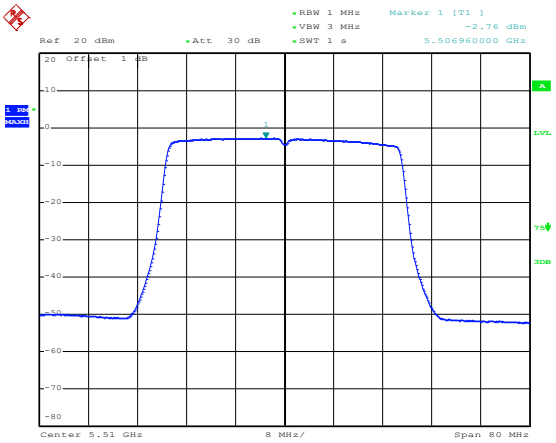
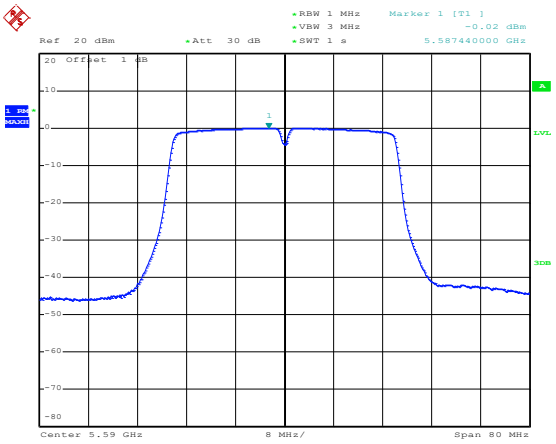
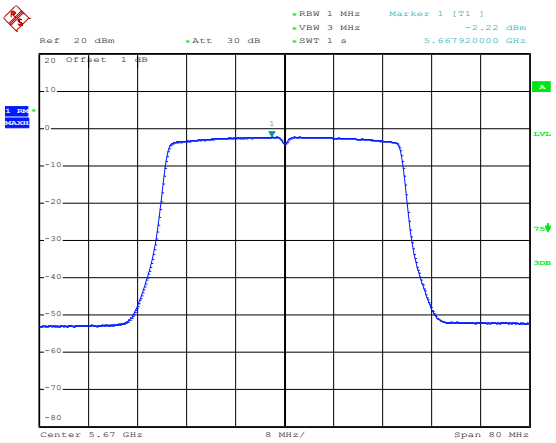
802.11n-HT40-Low	 Date: 25.APR.2023 16:54:26
802.11n-HT40-Middle	 Date: 25.APR.2023 16:55:20
802.11n-HT40-High	 Date: 25.APR.2023 16:56:10

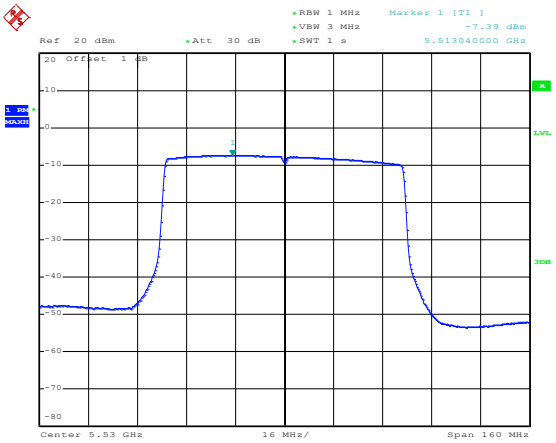
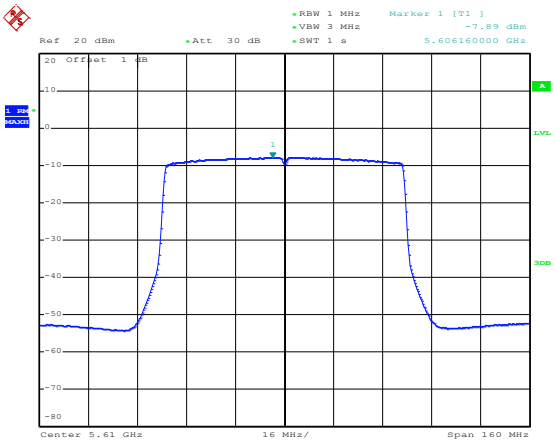
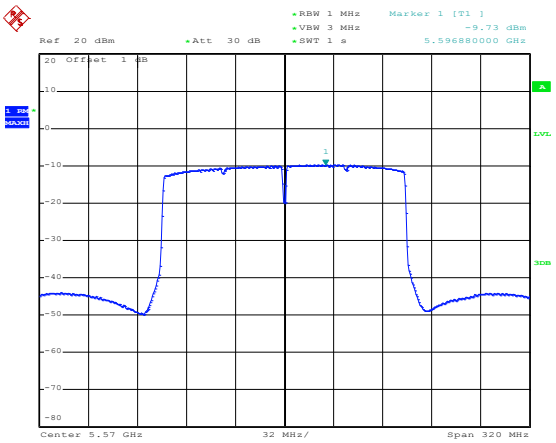
802.11ac-VHT20-Low	
802.11ac-VHT20-Middle	
802.11ac-VHT20-High	

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

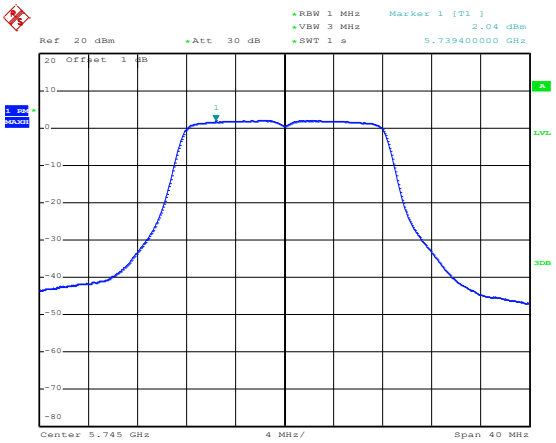
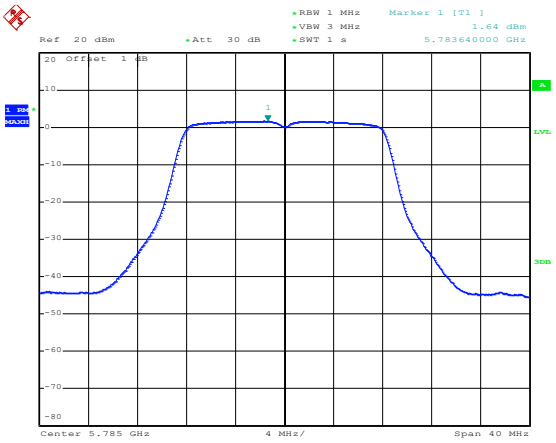
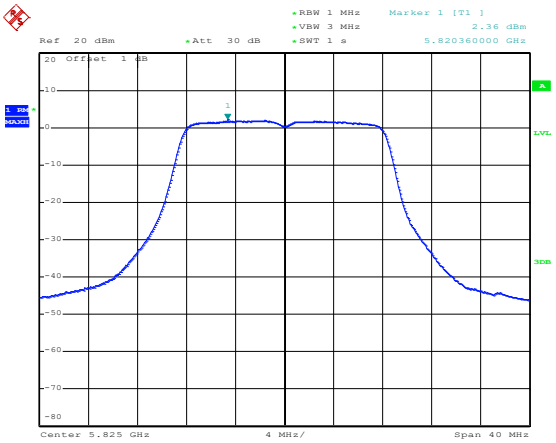
802.11ac-VHT80-Low	 Date: 25.APR.2023 17:03:04
802.11ac-VHT80-High	 Date: 25.APR.2023 17:12:02
802.11ac-VHT160	 Date: 8.MAY.2023 19:29:25

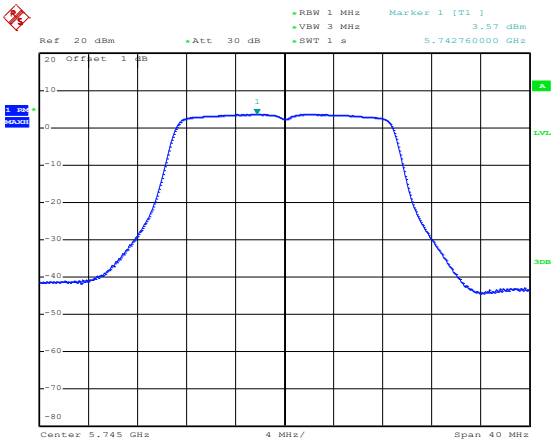
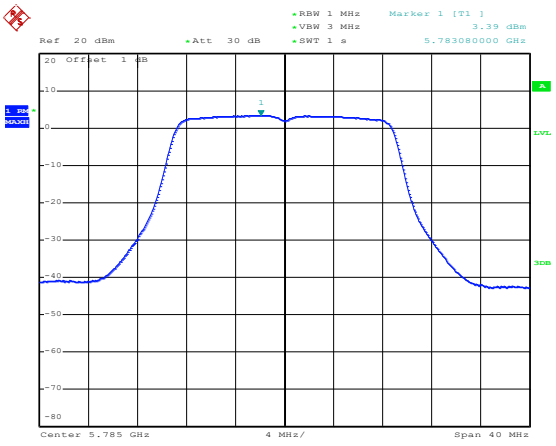
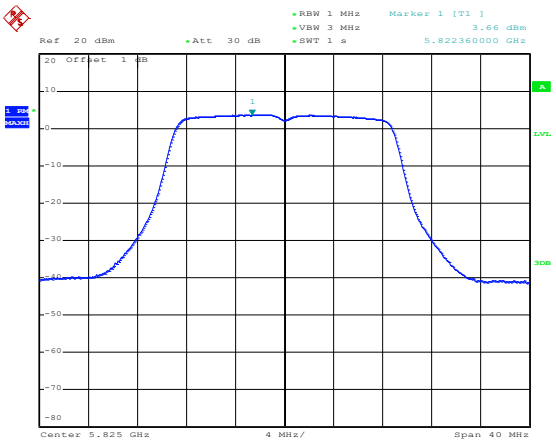
802.11ax-HE20-Low	 Date: 27.APR.2023 20:29:07
802.11ax-HE20-Middle	 Date: 27.APR.2023 20:30:09
802.11ax-HE20-High	 Date: 27.APR.2023 20:30:58

802.11ax-HE40-Low	
802.11ax-HE40-Middle	
802.11ax-HE40-High	

802.11ax-HE80-Low	 Date: 28.APR.2023 10:14:25
802.11ax-HE80-High	 Date: 28.APR.2023 10:15:24
802.11ax-HE160	 Date: 8.MAY.2023 19:41:00

5725-5850MHz

802.11a-Low	
802.11a-Middle	
802.11a-High	

802.11n-HT20-Low	 Date: 27.APR.2023 11:56:04
802.11n-HT20-Middle	 Date: 27.APR.2023 11:56:49
802.11n-HT20-High	 Date: 27.APR.2023 11:57:27