

TEST REPORT

Reference No..... : WTX24X05101437W006
FCC ID : S3K5GCPE2
Applicant : Global Telecom Corp
Address : 17901 Von Karman Ave, Suite 600, Irvine, California 92614 United States of America
Manufacturer : Global Telecom Corp
Address : 17901 Von Karman Ave, Suite 600, Irvine, California 92614 United States of America
Product Name : 5G Window CPE
Model No..... : TITAN 5100
Standards : FCC Part 15.407
Date of Receipt sample : 2024-05-06
Date of Test..... : 2024-05-06 to 2024-06-30
Date of Issue : 2024-06-30
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.

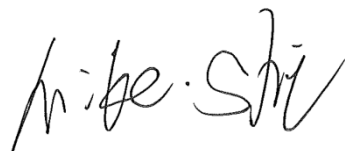
Prepared By:

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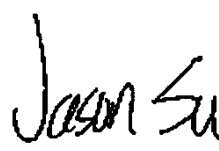
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Report version

Version No.	Date of issue	Description
Rev.00	2024-06-30	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	5G Window CPE
Trade Name:	Global Telecom, TITAN
Model No.:	TITAN 5100
Adding Model(s):	/
Rated Voltage:	DC48V
Battery Capacity:	/
Power Adapter:	RP2024W01-4800500YE Input:AC100-240 50/60Hz 0.6A Output:DC48V0.5A
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11a, 802.11n(HT20) , 802.11n-HT40, 802.11ac-VHT20/40/80, 802.11ax-HE20/40/80
Frequency Range:	5180-5240MHz, 5260-5320MHz 5500-5700MHz, 5745-5825MHz
Max. RF Output Power:	Antenna 0: 17.03dBm (Conducted) Antenna 1: 17.20dBm (Conducted)
Type of Modulation:	QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Type of Antenna:	FPC Antenna
Antenna Gain:	5.88dBi
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Test Standards

The tests were performed according to following standards:

FCC Rules Part 15.407: General technical requirements.

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

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

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

Use "QCA206x_WLAN_TX_RX_FTM_TX_High_Rate.txt" 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. Test use the customer default power level, with a duty cycle equal to 100%, and to measure its highest possible emissions level, more detailed description as follows:

Mode	Ant.	Test Frequency (MHz)												
		NCB: 20MHz												
		5180	5200	5240	5260	5300	5320	5500	5580	5700	5720	5745	5785	5825
802.11a 6Mbps	ANT 0	22	22	22	20	20	20	20	21	20	20	19	19	19
	ANT 1	22	22	22	20	20	20	20	21	20	20	19	19	19
802.11n-HT20 MCS0	ANT 0	20	20	20	20	20	20	19	19	19	19	18	17	17
	ANT 1	20	20	20	20	20	20	19	19	19	19	18	17	17
802.11ac-HT20 MCS0	ANT 0	20	20	20	20	20	20	19	19	19	19	18	17	17
	ANT 1	20	20	20	20	20	20	19	19	19	19	18	17	17
802.11ax-HT20 MCS0	ANT 0	20	20	20	20	20	20	19	19	19	19	18	17	17
	ANT 1	20	20	20	20	20	20	19	19	19	19	18	17	17

Mode	Ant.	NCB: 40MHz									
		5190	5230	5270	5310	5510	5550	5670	5710	5755	5795
802.11n-HT40 MCS0	ANT 0	20	20	20	19	19	19	19	19	18	17
	ANT 1	20	20	20	19	19	19	19	19	18	17
802.11ac-VHT4 0 MCS0	ANT 0	20	20	20	19	19	19	19	19	18	17
	ANT 1	20	20	20	19	19	19	19	19	18	17
802.11ax-VHT4 0 MCS0	ANT 0	20	20	20	19	19	19	19	19	18	17
	ANT 1	20	20	20	19	19	19	19	19	18	17
Mode	Ant.	NCB: 80MHz									
		5210	5290	5530	5610	5690	5775				
802.11ac-VH80 MCS0	ANT 0	20	19	19	19	19	18				
	ANT 1	20	19	19	19	19	18				
802.11ax-VH80 MCS0	ANT 0	20	19	19	19	19	18				
	ANT 1	20	19	19	19	19	18				

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 maintained in our files. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

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

1.7 EUT Setup and Test Mode

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

Test Mode List		
Test Mode	Description	Remark
TM1	802.11a	5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz
TM2	802.11n-HT20	5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz
TM3	802.11ac-HT20	5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz
TM4	802.11ax-HT20	5180MHz,5200MHz,5240MHz, 5745MHz, 5785MHz,5825MHz
TM5	802.11n-HT40	5190MHz,5230MHz, 5755MHz,5795MHz
TM6	802.11ac-VHT40	5190MHz,5230MHz, 5755MHz,5795MHz
TM7	802.11ax-VHT40	5190MHz,5230MHz, 5755MHz,5795MHz
TM8	802.11ac-VHT80	5210MHz, 5775MHz
TM9	802.11ax-VHT80	5210MHz, 5775MHz
Note1 : All test modes (different data rate and different modulation) are performed, but only the worst case is recorded in this report; Note 2: The 5GHz WIFI has two antennas and support Multiple Outputs for 802.11n/ac/ax mode for this report; Antenna 0 Gain is 5.88dBi; Antenna 1 Gain is 5.88dBi; According to KDB 662911, for same directional gain: Directional gain = $G_{ANT} + 10 \log(N_{ANT})$ dBi = $5.88 + 10 \log(2)$ dBi = 8.89dBi		

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
DC Cable	0.6	Unshielded	Without Ferrite
Network Cable	1.1	Unshielded	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
Notebook	Lenovo	TianYi 100-14IBD	PF0F4ABV

1.8 Measurement Uncertainty

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

1.9 Test Equipment List and Details

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

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

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

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

2. SUMMARY OF TEST RESULTS

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

N/A: Not applicable.

3. Antenna Requirement

3.1 Standard Applicable

According to FCC Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.2 Evaluation Information

This product has two FPC 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 $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

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

5.2 Test Procedure

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

For devices operating in the bands 5.15-5.25GHz, 5.25-5.35GHz, and 5.47-5.725GHz, the above procedures make use of 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 ($< 1\text{ MHz}$, or $< 500\text{kHz}$) and integrated over 1 MHz, or 500kHz bandwidth, the following adjustments to the procedures apply:

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

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

5.3 Summary of Test Results/Plots

Please refer to Appendix A

6. Emission Bandwidth and Occupied Bandwidth

6.1 Standard Applicable

According to 15.407(a) and (e):

(1) For the band 5.15-5.25GHz.

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

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

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

(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) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 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 $\geq 3 \times$ RBW
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- 6. Use the 99 % power bandwidth function of the instrument (if available).
- 7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency.

Reference No.: WTX24X05101437W006

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 $11\text{dBm} + 10 \log B$, where B is the 26dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

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

7.2 Test Procedure

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

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

narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

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

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

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

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

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

where:

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

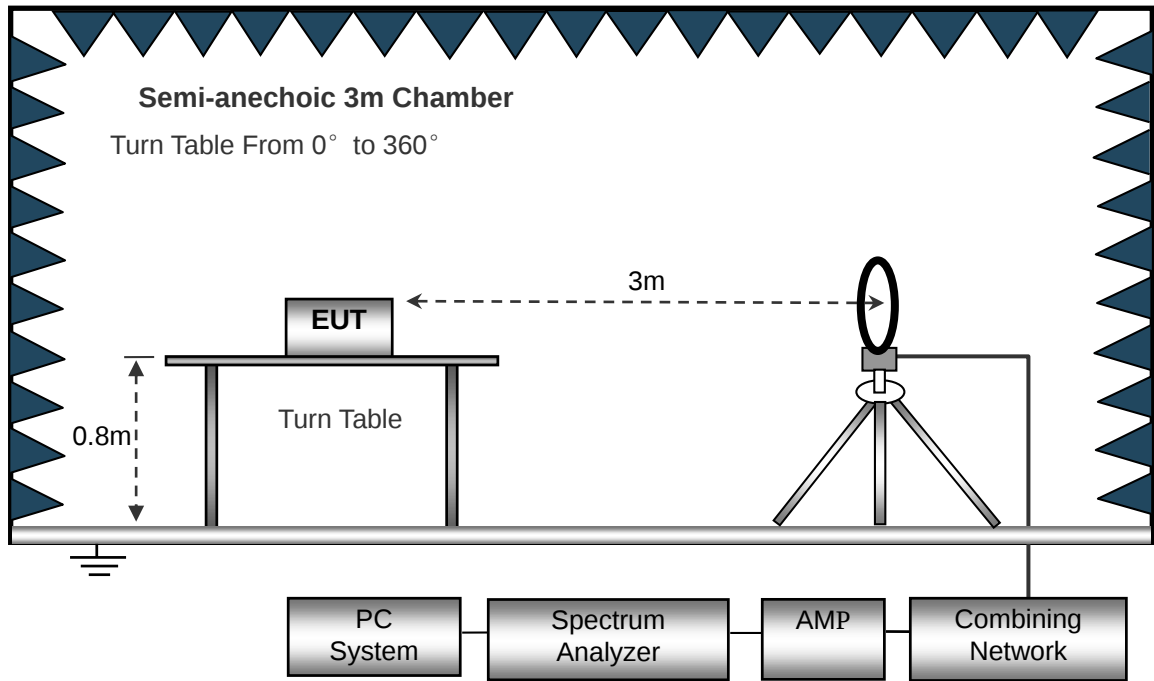
8.2 Test Procedure

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

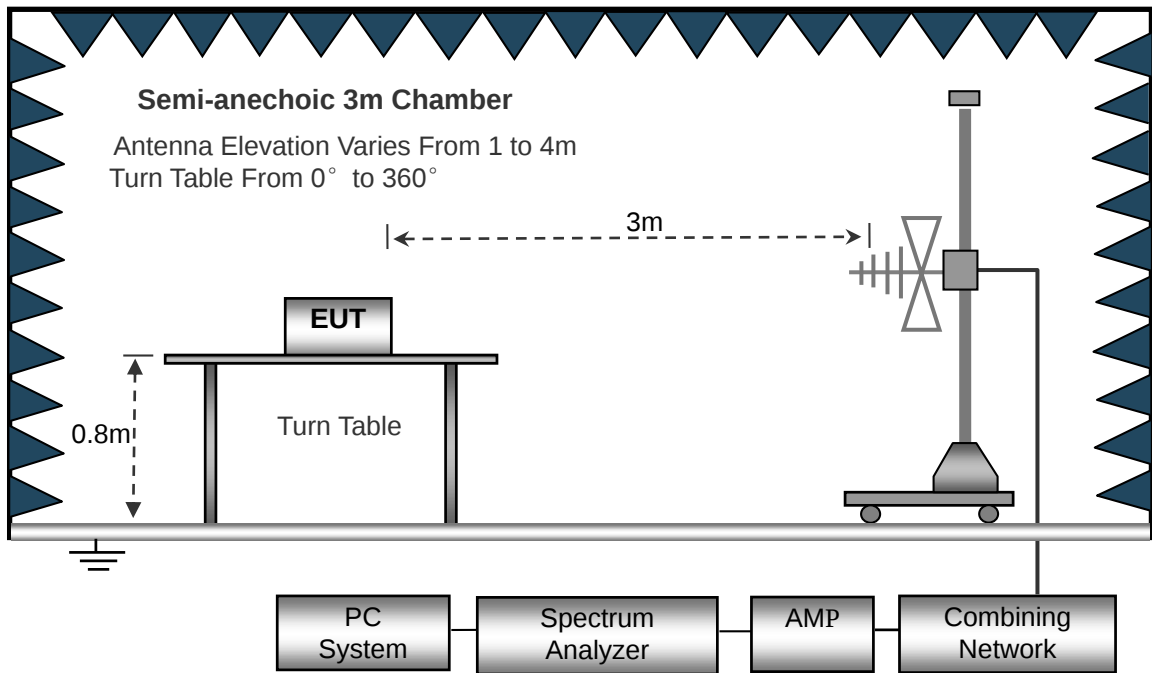
The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle.

The spacing between the peripherals was 10cm.

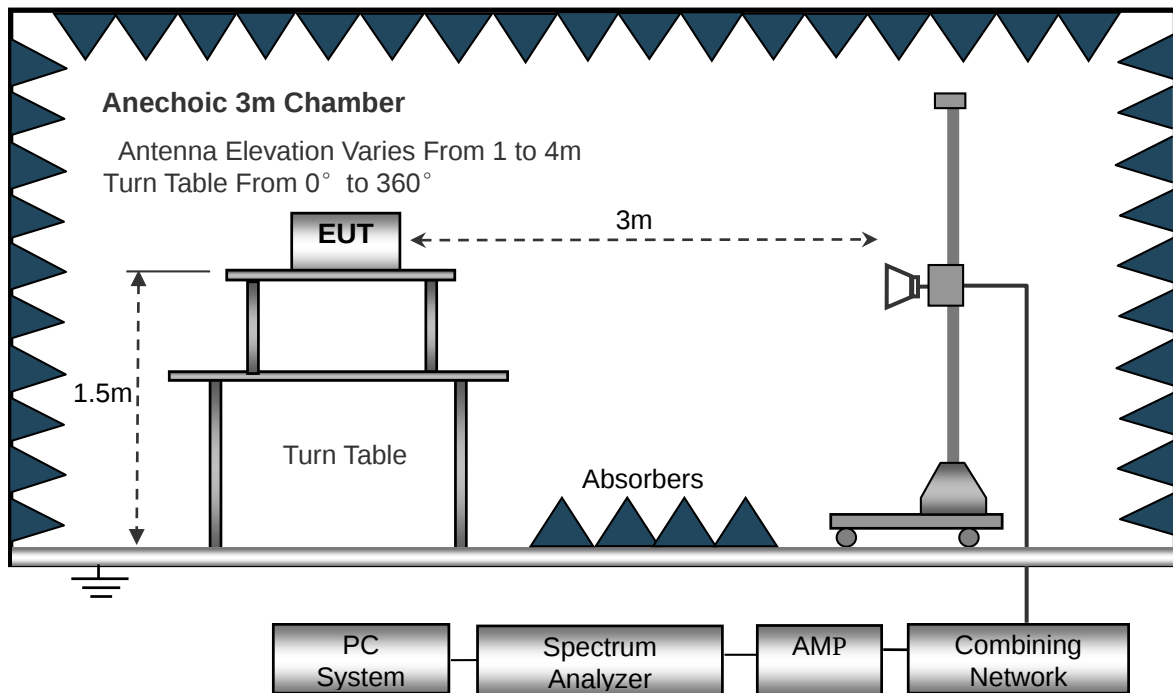
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 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:

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

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

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

8.5 Summary of Test Results/Plots

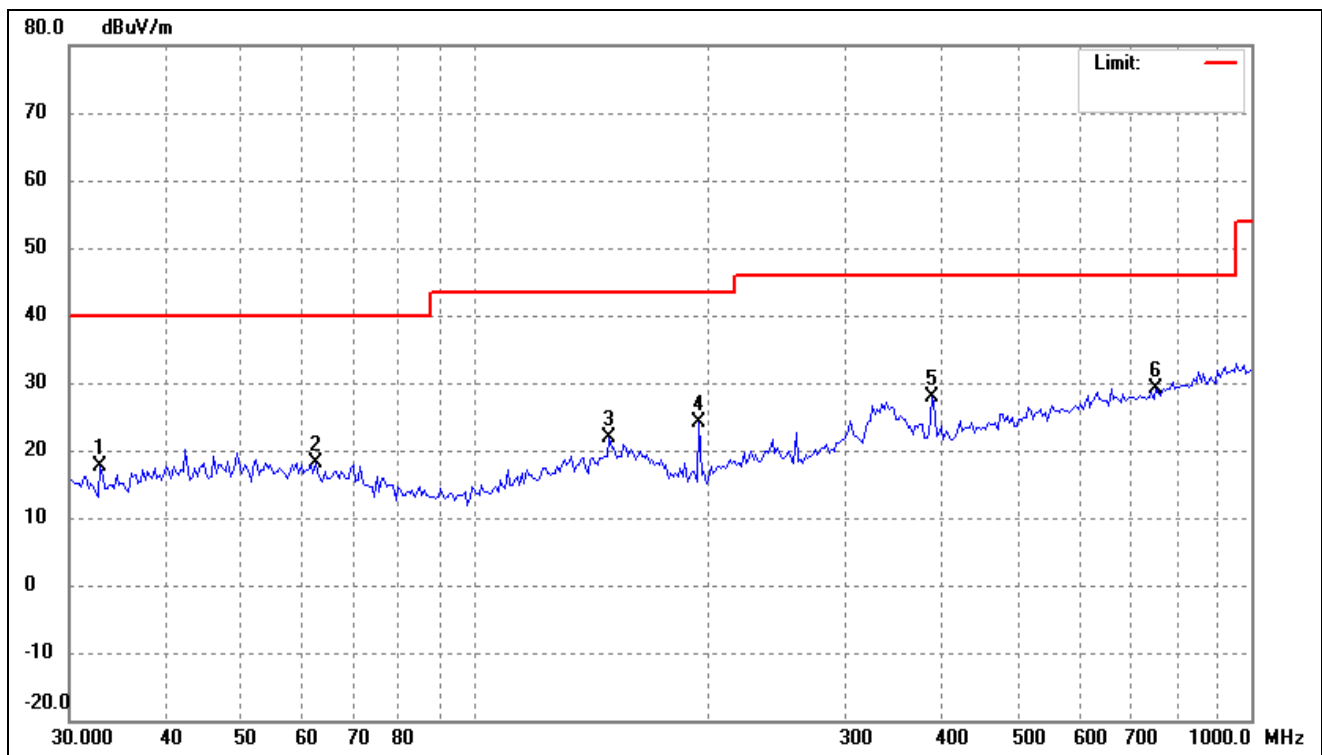
Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

➤ Spurious Emission From 30MHz to 1GHz

➤ Antenna 0

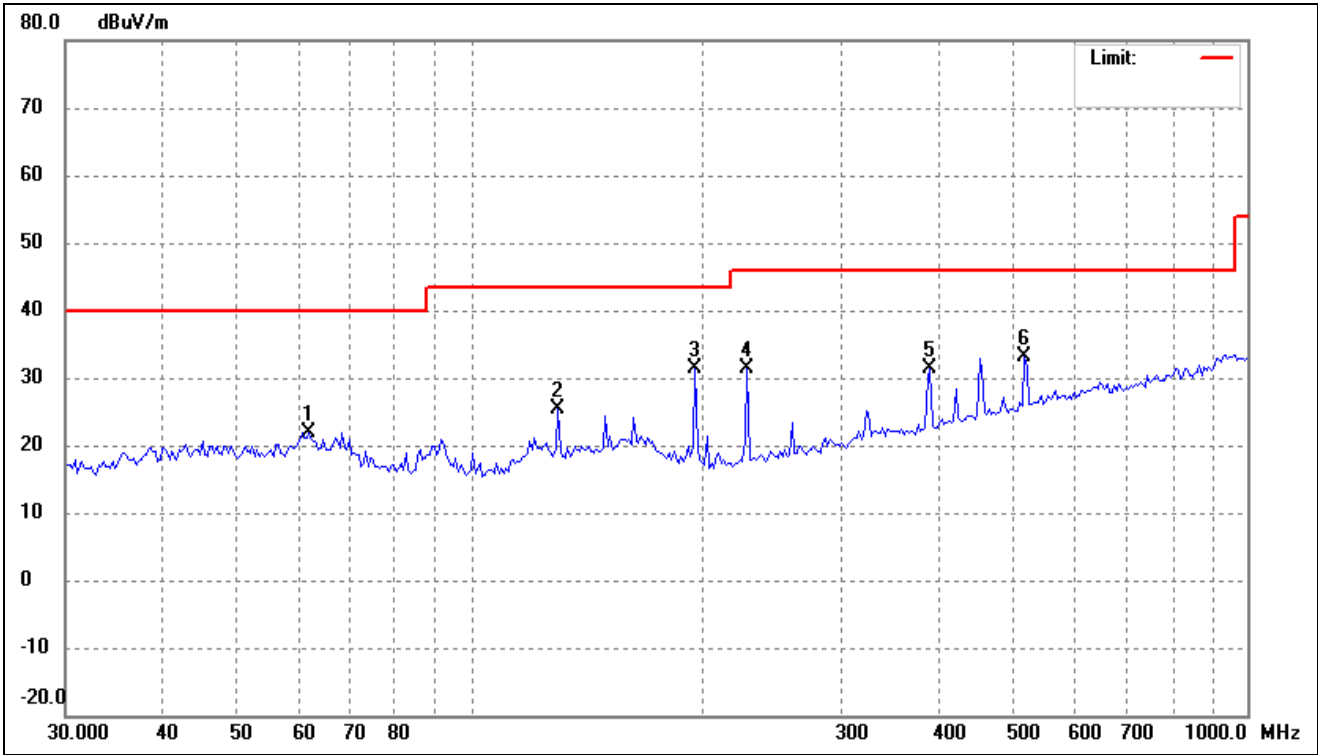
➤ 5150-5250MHz

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



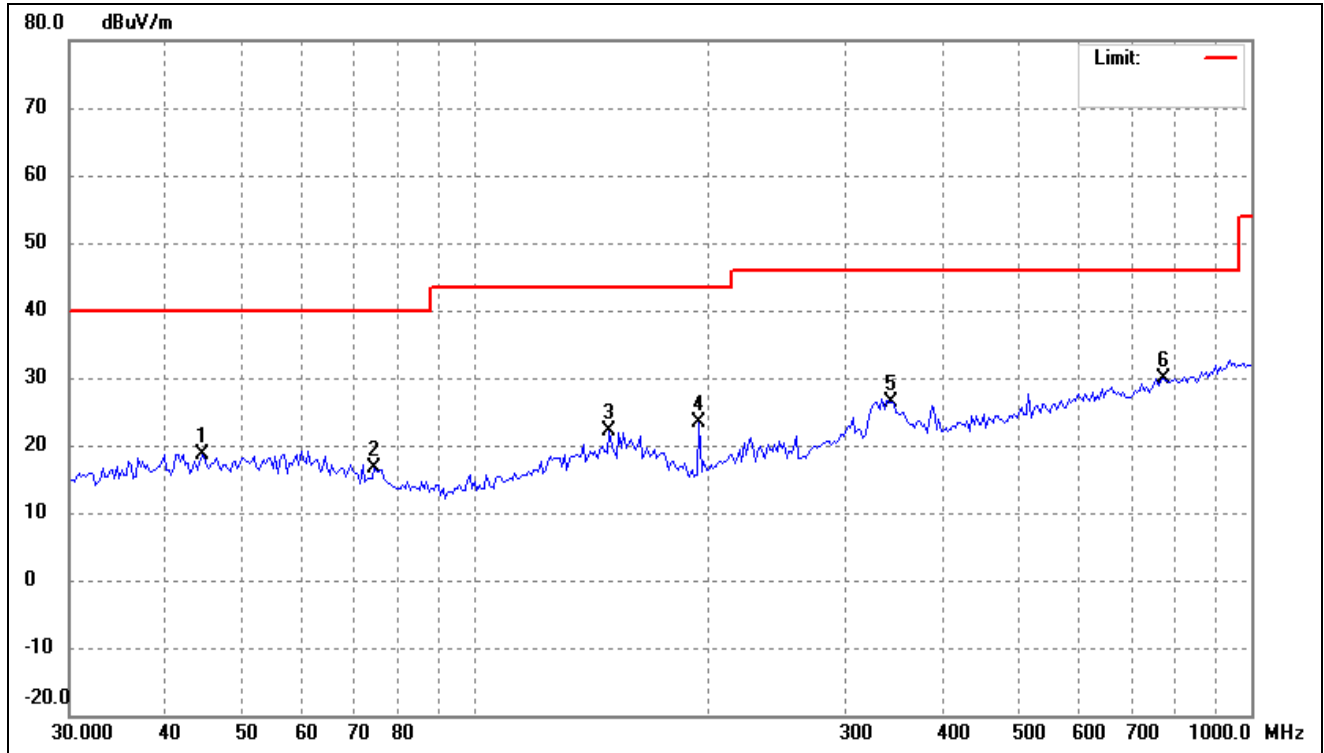
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	32.8697	27.52	-9.82	17.70	40.00	-22.30	-	-	peak
2	62.3038	27.46	-9.35	18.11	40.00	-21.89	-	-	peak
3	148.9175	30.52	-8.68	21.84	43.50	-21.66	-	-	peak
4	194.4985	35.69	-11.67	24.02	43.50	-19.48	-	-	peak
5	387.2565	34.08	-6.22	27.86	46.00	-18.14	-	-	peak
6	754.9628	29.33	-0.12	29.21	46.00	-16.79	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.27	-9.28	21.99	40.00	-18.01	-	-	peak
2	129.3923	35.36	-9.89	25.47	43.50	-18.03	-	-	peak
3	194.4985	43.05	-11.67	31.38	43.50	-12.12	-	-	peak
4	227.0164	43.22	-11.76	31.46	46.00	-14.54	-	-	peak
5	389.9874	37.62	-6.16	31.46	46.00	-14.54	-	-	peak
6	516.5651	36.88	-3.65	33.23	46.00	-12.77	-	-	peak

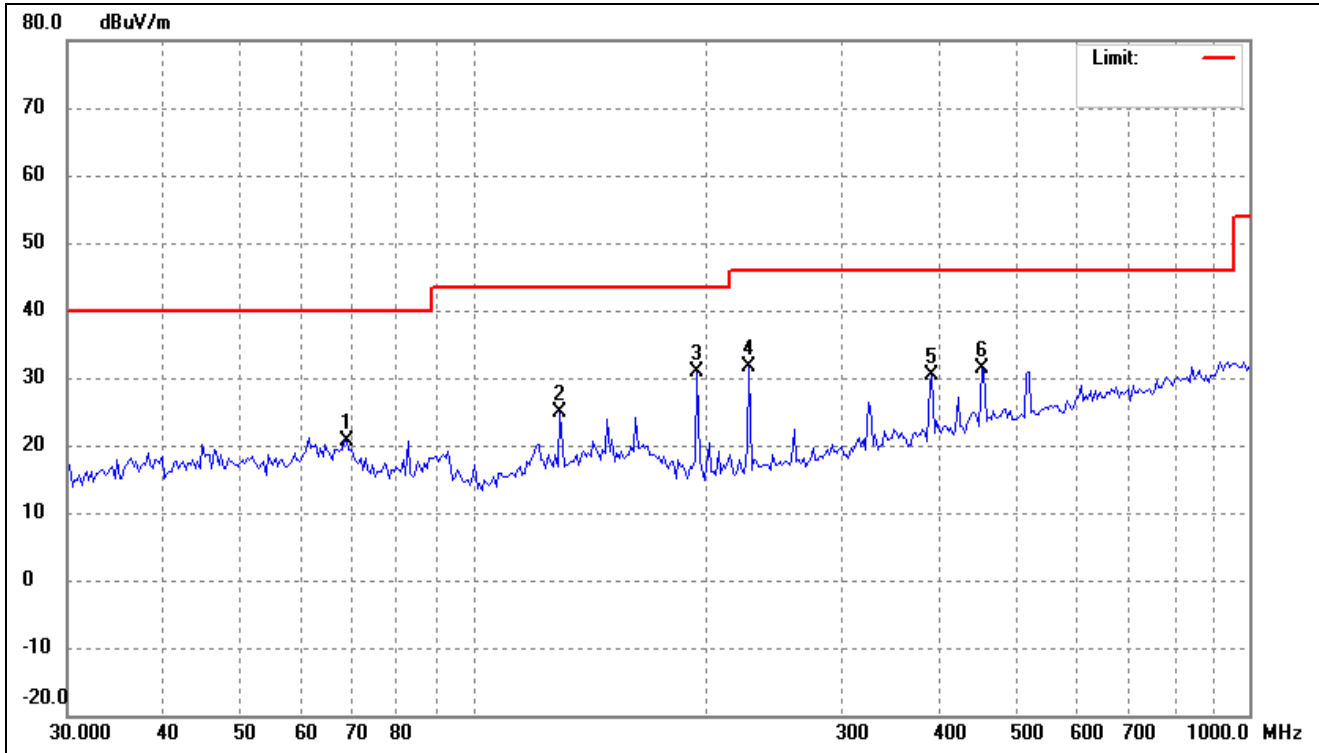
802.11n-HT20			
Test Channel	5180MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	44.4657	27.11	-8.47	18.64	40.00	-21.36	-	-	peak
2	74.2696	28.22	-11.70	16.52	40.00	-23.48	-	-	peak
3	148.9175	30.83	-8.68	22.15	43.50	-21.35	-	-	peak
4	194.4985	34.93	-11.67	23.26	43.50	-20.24	-	-	peak
5	343.6506	33.70	-7.22	26.48	46.00	-19.52	-	-	peak
6	771.0475	29.97	0.03	30.00	46.00	-16.00	-	-	peak

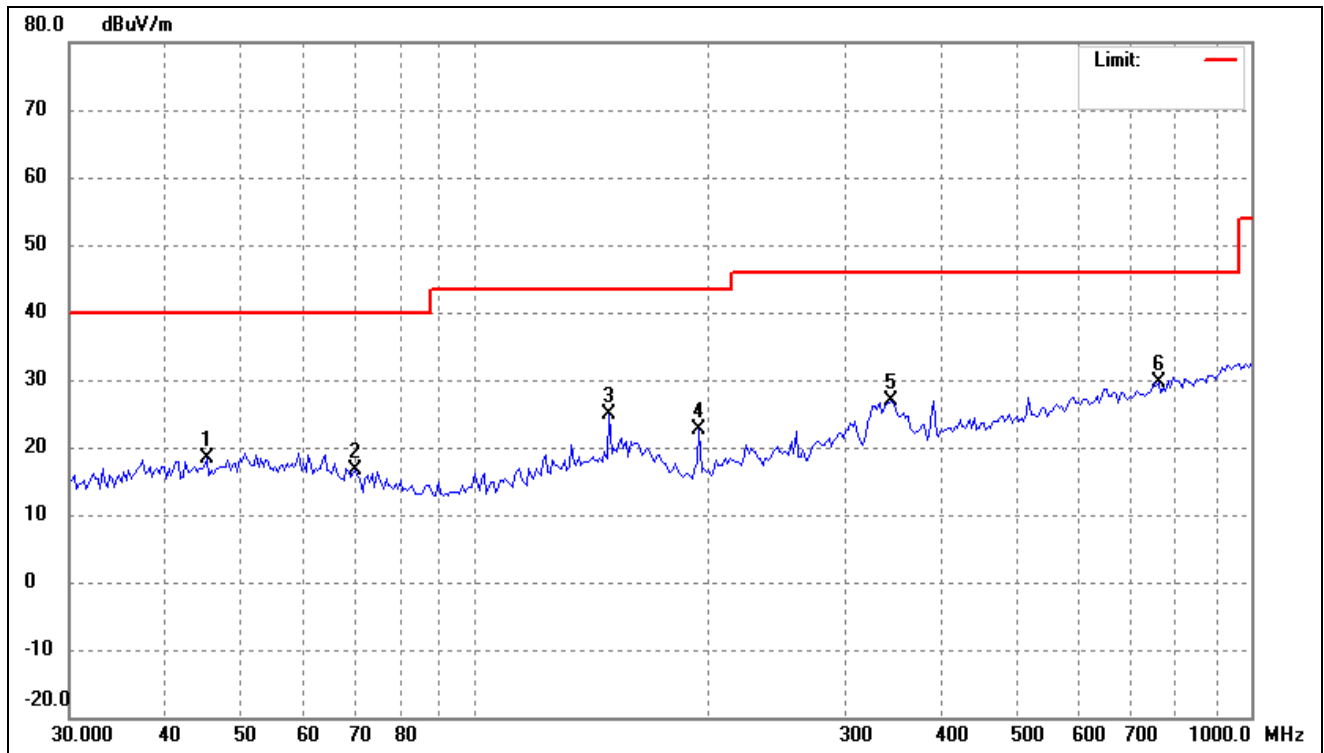
802.11n-HT20

Test Channel	5180MHz(worst case)	Polarity:	Vertical
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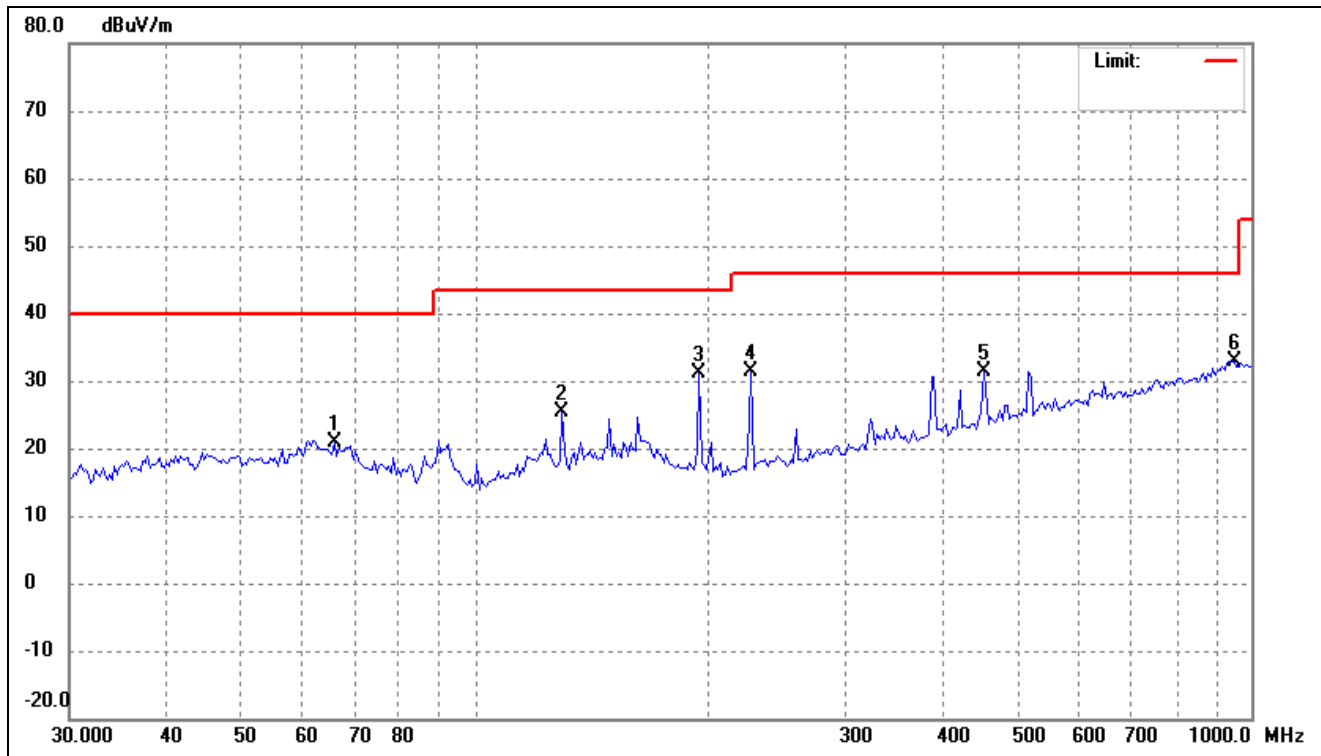
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.7450	31.25	-10.54	20.71	40.00	-19.29	-	-	peak
2	129.3923	34.69	-9.89	24.80	43.50	-18.70	-	-	peak
3	194.4985	42.46	-11.67	30.79	43.50	-12.71	-	-	peak
4	227.0164	43.29	-11.76	31.53	46.00	-14.47	-	-	peak
5	389.9874	36.49	-6.16	30.33	46.00	-15.67	-	-	peak
6	452.0013	36.01	-4.56	31.45	46.00	-14.55	-	-	peak

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



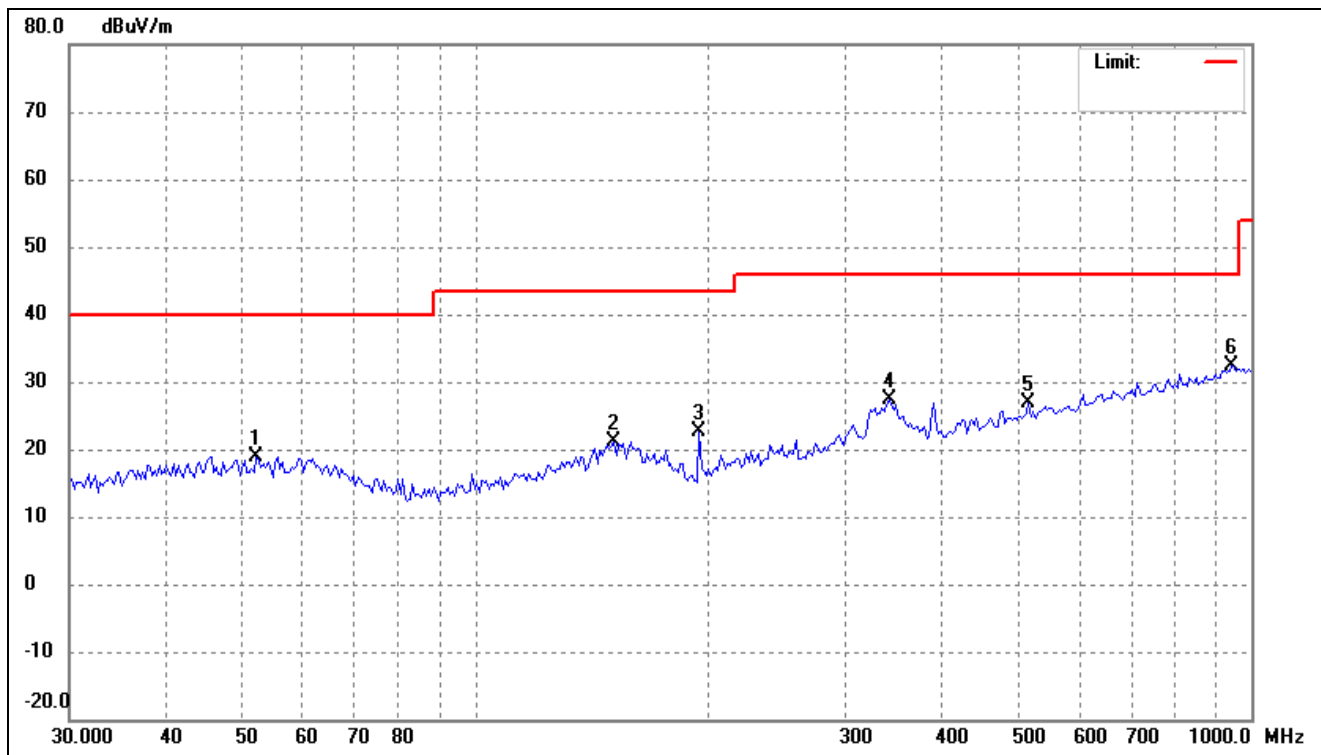
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	45.0951	26.85	-8.46	18.39	40.00	-21.61	-	-	peak
2	70.2096	27.54	-10.81	16.73	40.00	-23.27	-	-	peak
3	148.9175	33.48	-8.68	24.80	43.50	-18.70	-	-	peak
4	194.4985	34.39	-11.67	22.72	43.50	-20.78	-	-	peak
5	343.6506	34.18	-7.22	26.96	46.00	-19.04	-	-	peak
6	760.2867	29.72	-0.07	29.65	46.00	-16.35	-	-	peak

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



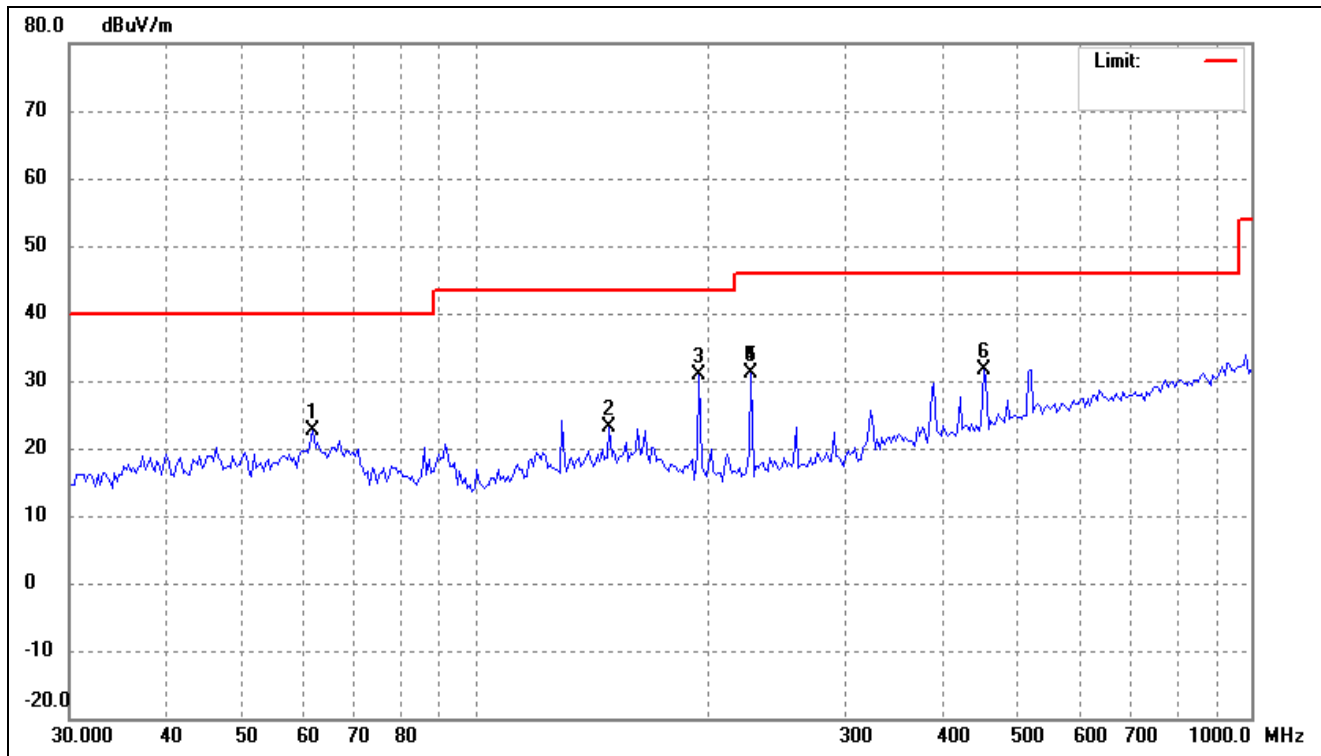
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	65.9067	30.79	-10.02	20.77	40.00	-19.23	-	-	peak
2	129.3923	35.32	-9.89	25.43	43.50	-18.07	-	-	peak
3	194.4985	42.81	-11.67	31.14	43.50	-12.36	-	-	peak
4	227.0164	43.03	-11.76	31.27	46.00	-14.73	-	-	peak
5	452.0013	36.04	-4.56	31.48	46.00	-14.52	-	-	peak
6	952.0001	30.71	2.25	32.96	46.00	-13.04	-	-	peak

802.11ax-HE20			
Test Channel	5180MHz(worst case)	Polarity:	Horizontal



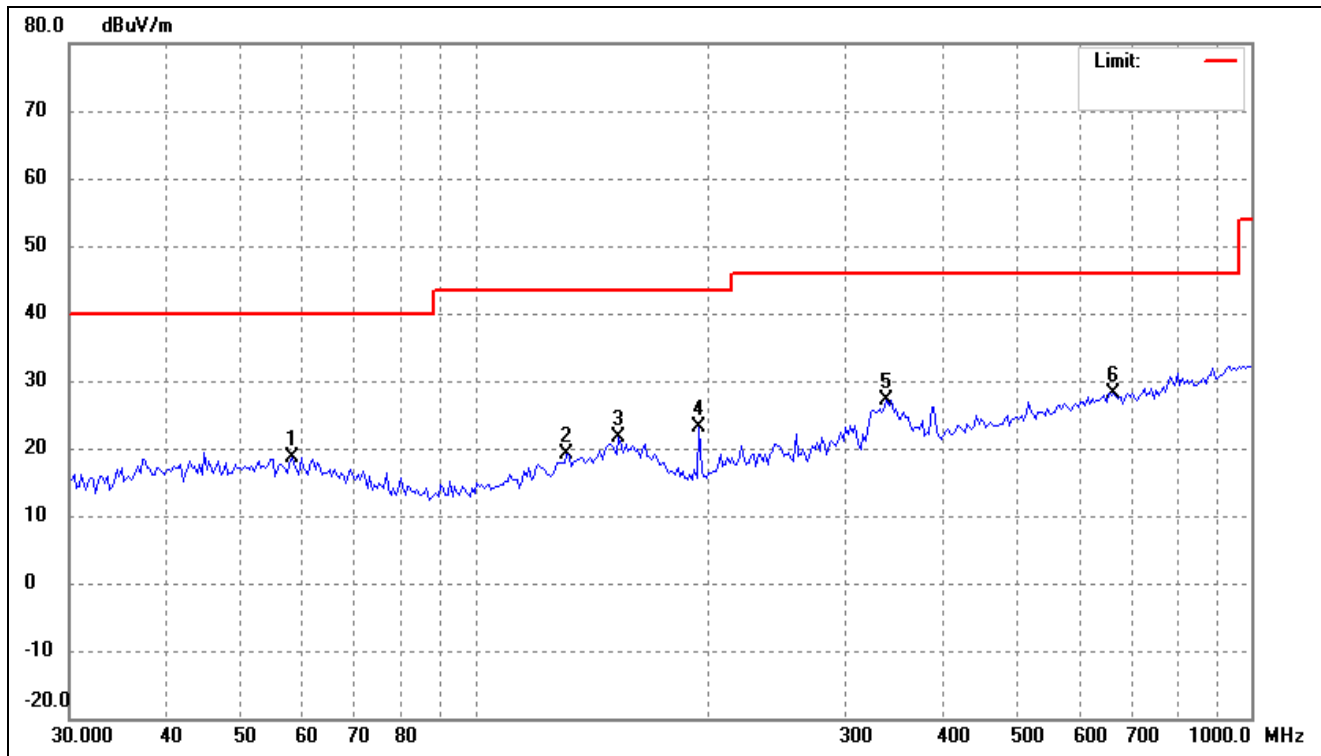
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	52.2659	27.31	-8.33	18.98	40.00	-21.02	-	-	peak
2	151.0252	29.75	-8.61	21.14	43.50	-22.36	-	-	peak
3	194.4985	34.23	-11.67	22.56	43.50	-20.94	-	-	peak
4	341.2442	34.73	-7.26	27.47	46.00	-18.53	-	-	peak
5	516.5651	30.56	-3.65	26.91	46.00	-19.09	-	-	peak
6	945.3336	30.16	2.15	32.31	46.00	-13.69	-	-	peak

802.11ax-HE20			
Test Channel	5180MHz(worst case)	Polarity:	Vertical



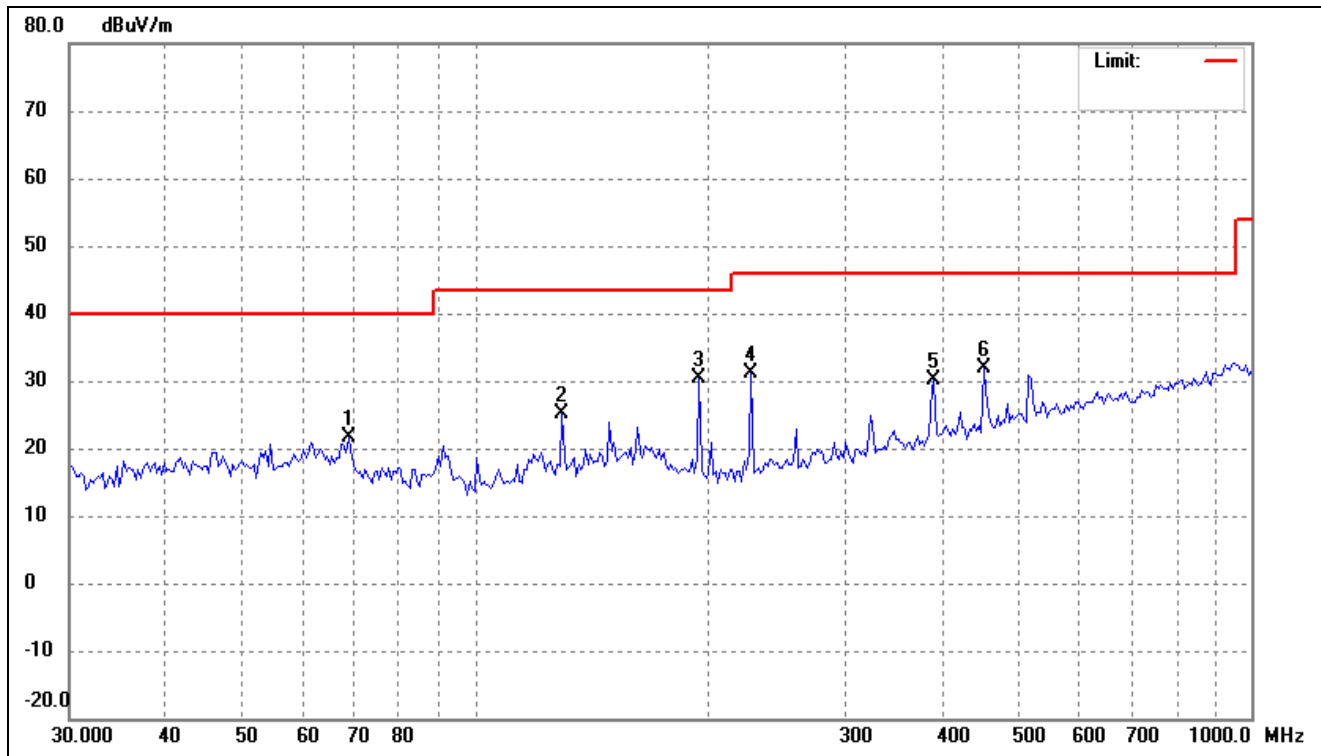
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.84	-9.28	22.56	40.00	-17.44	-	-	peak
2	148.9175	31.69	-8.68	23.01	43.50	-20.49	-	-	peak
3	194.4985	42.55	-11.67	30.88	43.50	-12.62	-	-	peak
4	227.0164	43.00	-11.76	31.24	46.00	-14.76	-	-	peak
5	227.0164	43.00	-11.76	31.24	46.00	-14.76	-	-	peak
6	452.0013	36.07	-4.56	31.51	46.00	-14.49	-	-	peak

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



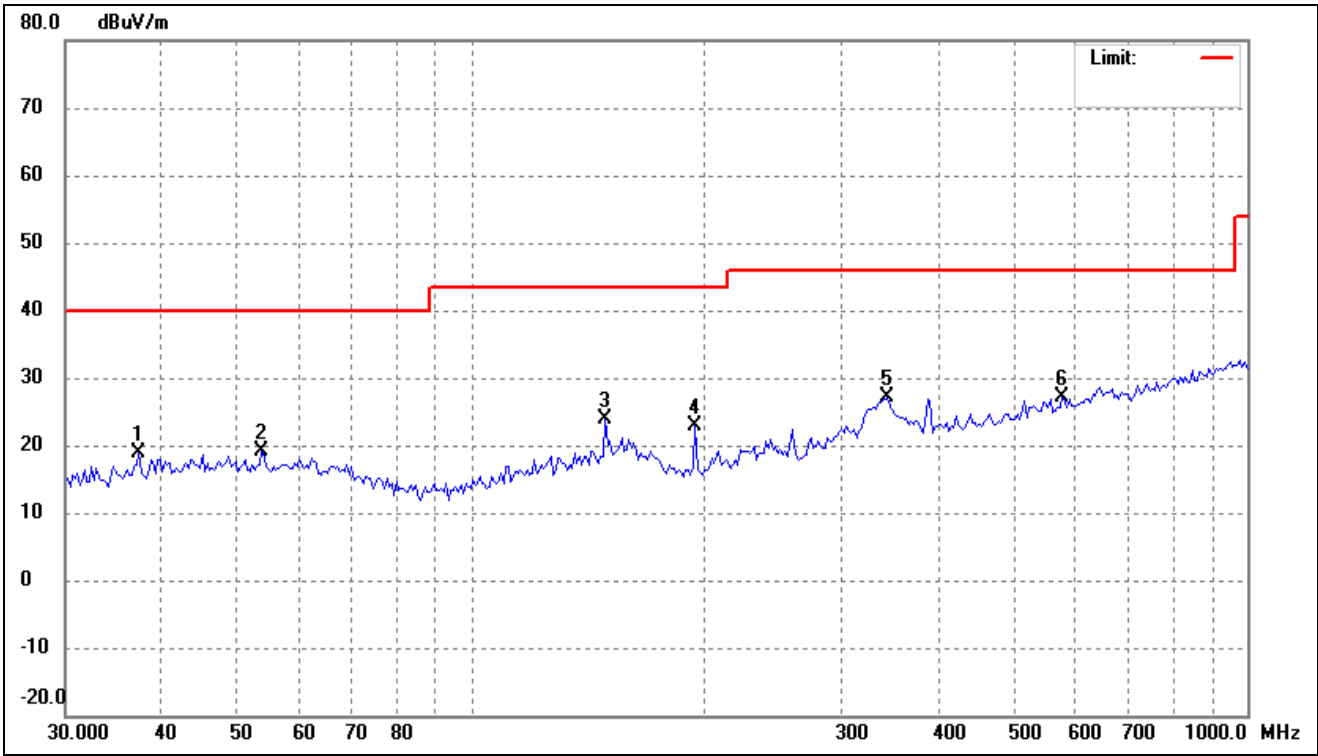
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	58.0759	27.54	-8.82	18.72	40.00	-21.28	-	-	peak
2	131.2236	28.97	-9.80	19.17	43.50	-24.33	-	-	peak
3	153.1627	30.14	-8.61	21.53	43.50	-21.97	-	-	peak
4	194.4985	34.71	-11.67	23.04	43.50	-20.46	-	-	peak
5	338.8546	34.38	-7.31	27.07	46.00	-18.93	-	-	peak
6	665.2610	29.39	-1.27	28.12	46.00	-17.88	-	-	peak

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



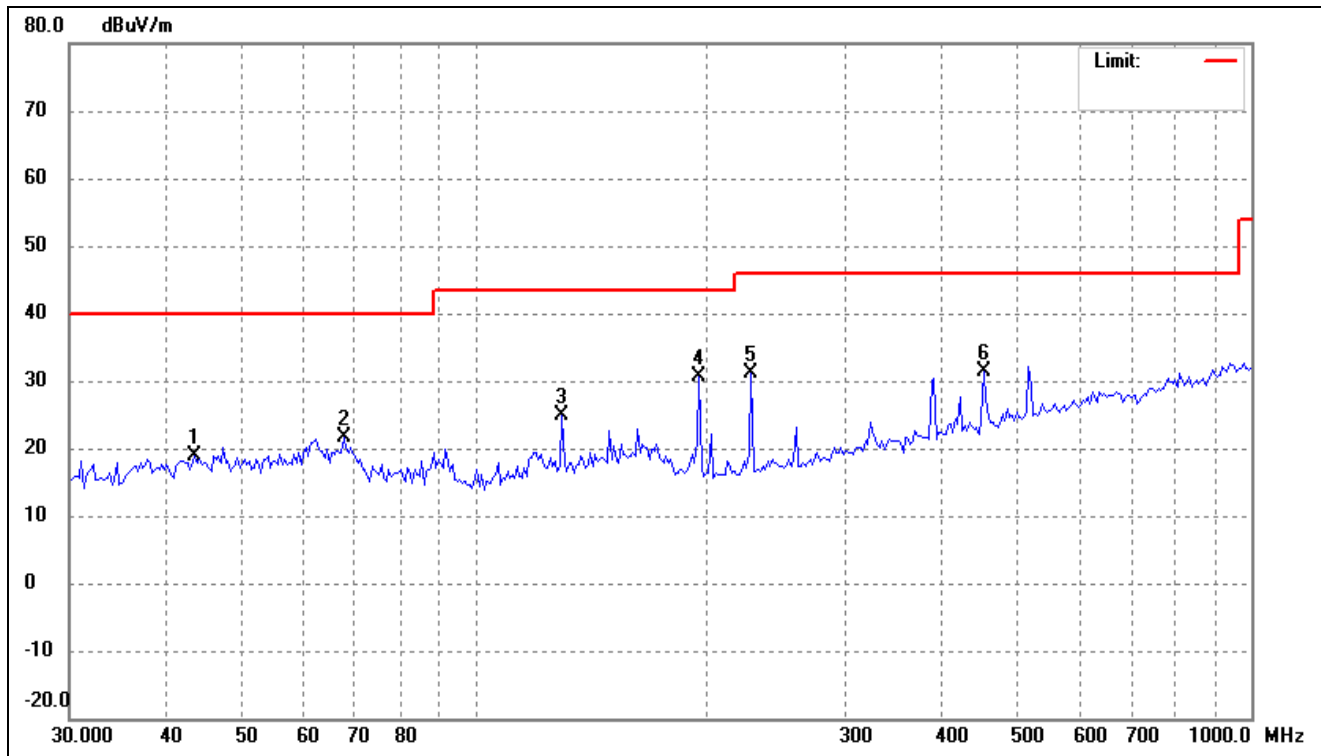
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.7450	32.07	-10.54	21.53	40.00	-18.47	-	-	peak
2	129.3923	35.06	-9.89	25.17	43.50	-18.33	-	-	peak
3	194.4985	42.12	-11.67	30.45	43.50	-13.05	-	-	peak
4	227.0164	42.79	-11.76	31.03	46.00	-14.97	-	-	peak
5	389.9874	36.33	-6.16	30.17	46.00	-15.83	-	-	peak
6	452.0013	36.53	-4.56	31.97	46.00	-14.03	-	-	peak

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



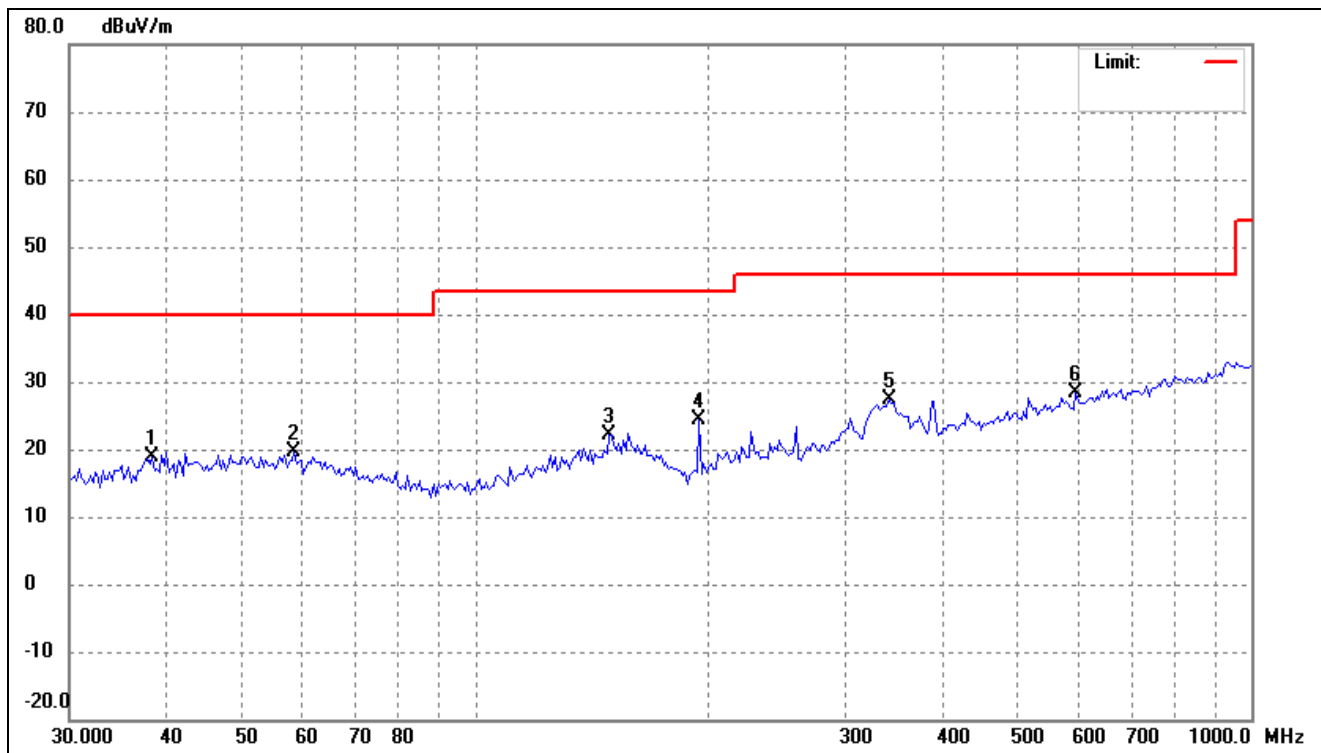
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.3017	27.82	-9.06	18.76	40.00	-21.24	-	-	peak
2	53.7559	27.71	-8.50	19.21	40.00	-20.79	-	-	peak
3	148.9175	32.45	-8.68	23.77	43.50	-19.73	-	-	peak
4	194.4985	34.63	-11.67	22.96	43.50	-20.54	-	-	peak
5	343.6506	34.39	-7.22	27.17	46.00	-18.83	-	-	peak
6	578.0359	29.35	-2.19	27.16	46.00	-18.84	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	43.5381	27.47	-8.47	19.00	40.00	-21.00	-	-	peak
2	67.7856	31.95	-10.36	21.59	40.00	-18.41	-	-	peak
3	129.3923	34.84	-9.89	24.95	43.50	-18.55	-	-	peak
4	194.4985	42.36	-11.67	30.69	43.50	-12.81	-	-	peak
5	227.0164	42.77	-11.76	31.01	46.00	-14.99	-	-	peak
6	452.0013	35.99	-4.56	31.43	46.00	-14.57	-	-	peak

802.11ax-HE40			
Test Channel	5190MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	38.3651	27.67	-8.83	18.84	40.00	-21.16	-	-	peak
2	58.4855	28.40	-8.84	19.56	40.00	-20.44	-	-	peak
3	148.9175	30.82	-8.68	22.14	43.50	-21.36	-	-	peak
4	194.4985	36.12	-11.67	24.45	43.50	-19.05	-	-	peak
5	341.2442	34.66	-7.26	27.40	46.00	-18.60	-	-	peak
6	594.5143	30.14	-1.86	28.28	46.00	-17.72	-	-	peak

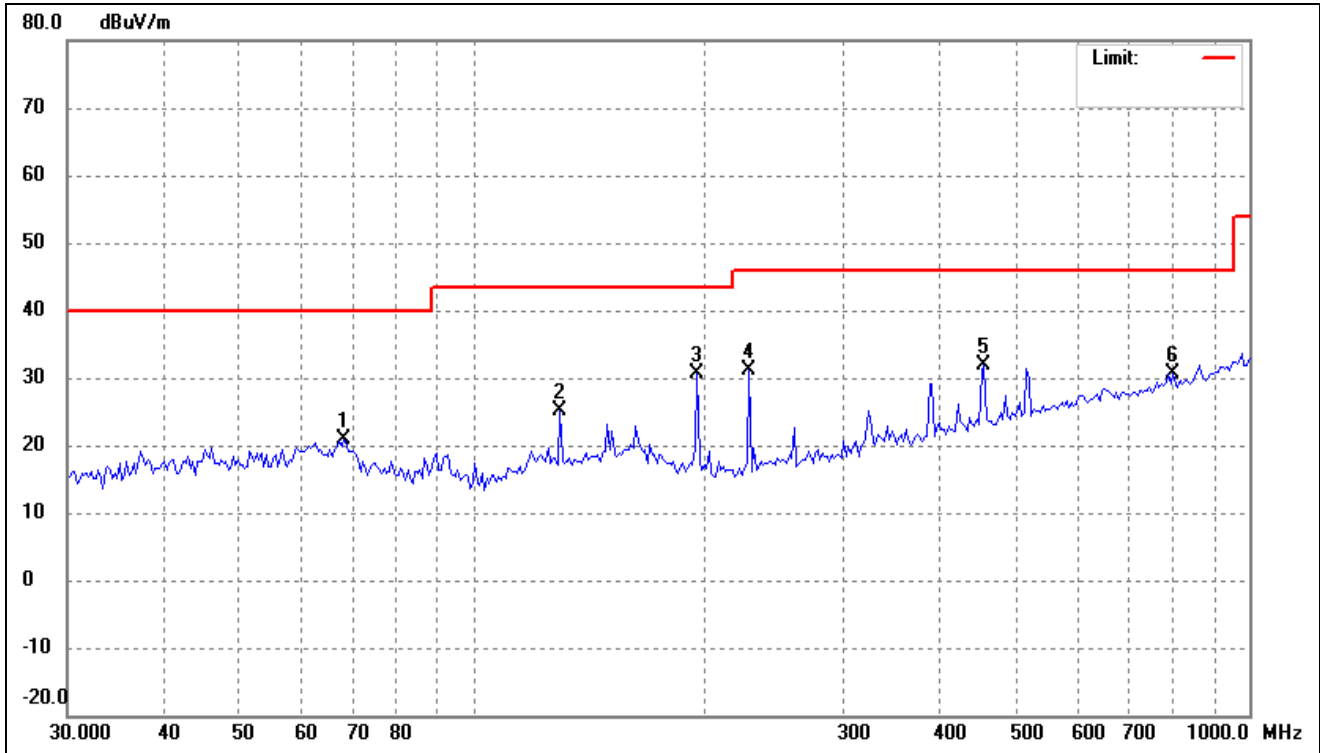
802.11ax-HE40

Test Channel

5190MHz(worst case)

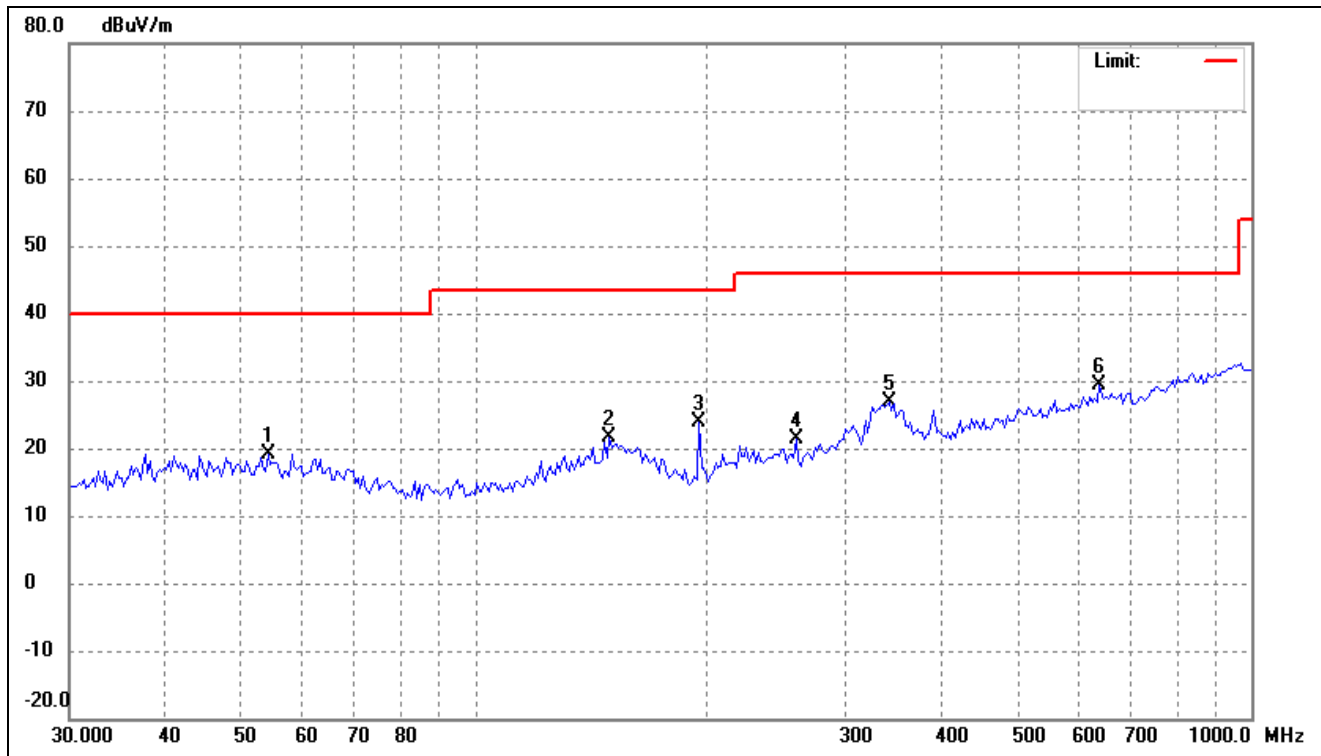
Polarity:

Vertical



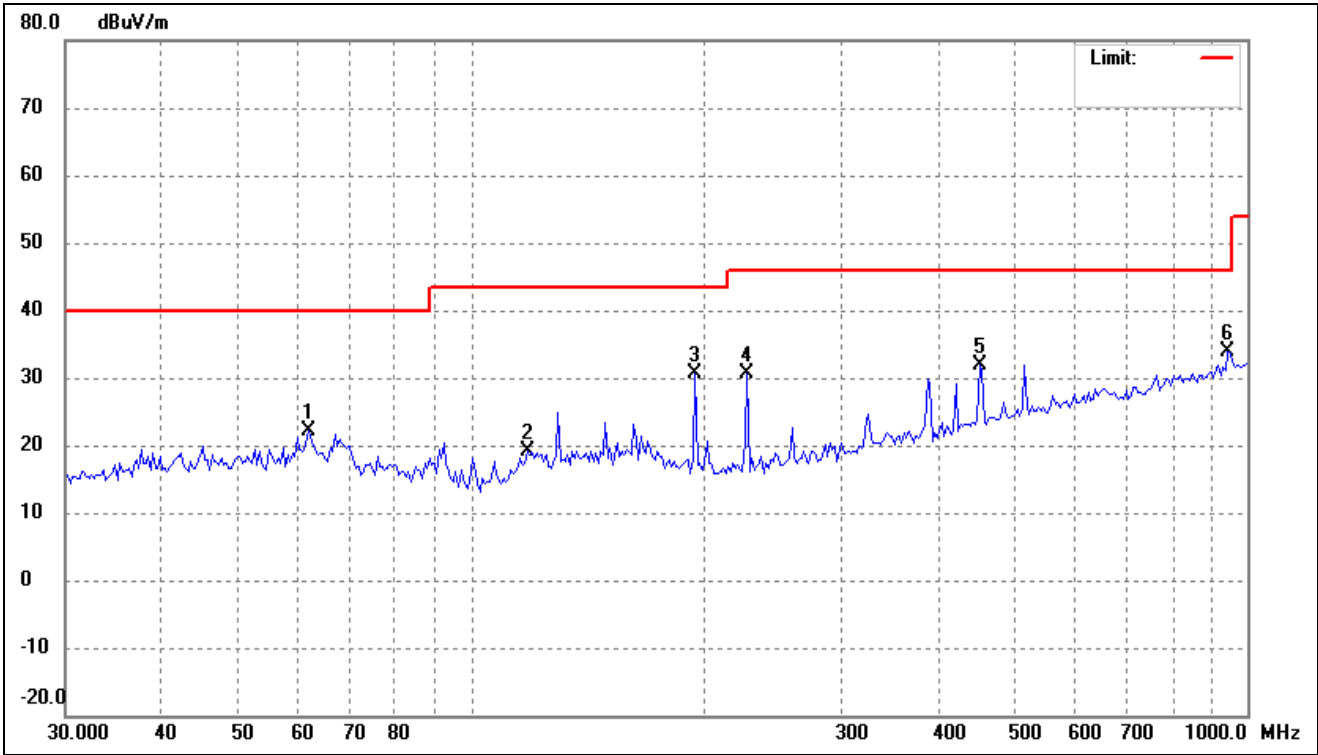
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.2636	31.29	-10.45	20.84	40.00	-19.16	-	-	peak
2	129.3923	34.98	-9.89	25.09	43.50	-18.41	-	-	peak
3	194.4985	42.35	-11.67	30.68	43.50	-12.82	-	-	peak
4	227.0164	42.85	-11.76	31.09	46.00	-14.91	-	-	peak
5	455.1888	36.44	-4.52	31.92	46.00	-14.08	-	-	peak
6	798.6205	30.36	0.29	30.65	46.00	-15.35	-	-	peak

802.11ac-HT80			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



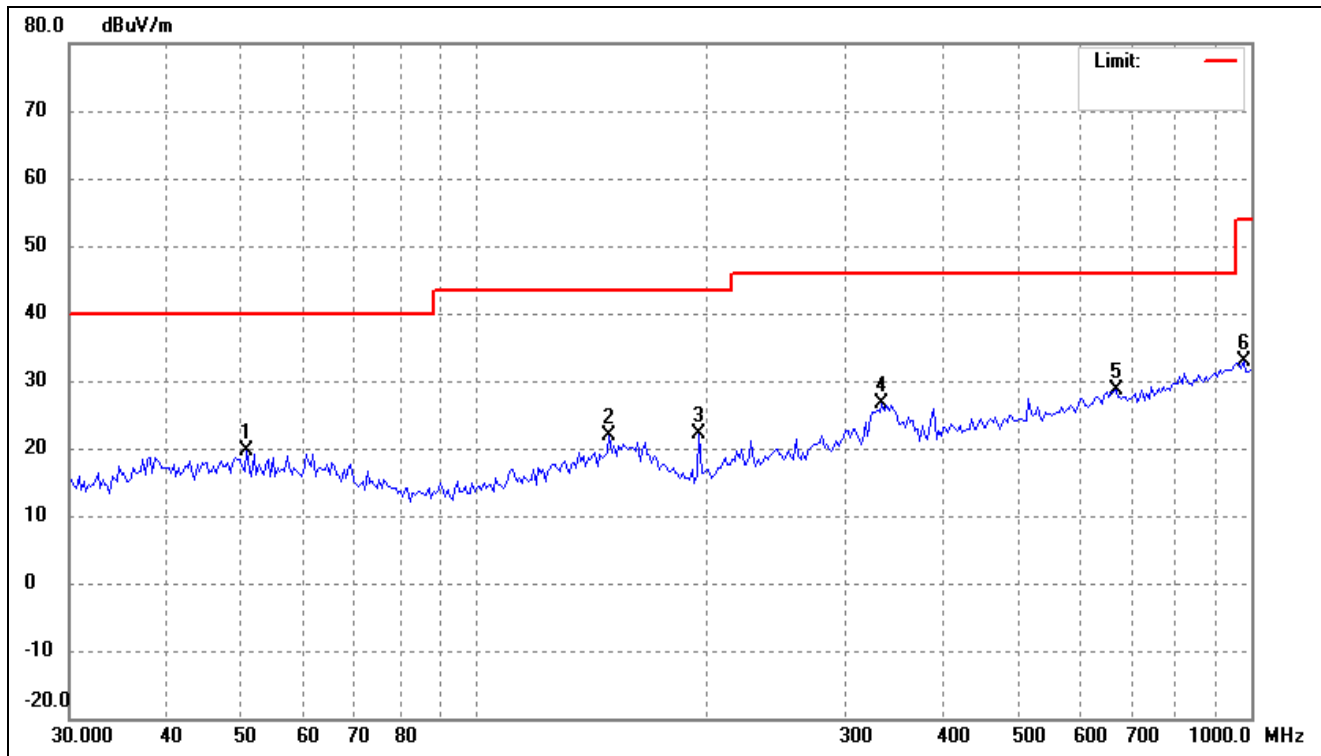
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	54.1349	27.71	-8.54	19.17	40.00	-20.83	-	-	peak
2	148.9175	30.20	-8.68	21.52	43.50	-21.98	-	-	peak
3	194.4985	35.49	-11.67	23.82	43.50	-19.68	-	-	peak
4	259.4434	31.18	-9.79	21.39	46.00	-24.61	-	-	peak
5	341.2442	34.10	-7.26	26.84	46.00	-19.16	-	-	peak
6	637.7947	30.81	-1.36	29.45	46.00	-16.55	-	-	peak

802.11ac-HT80			
Test Channel	5210MHz(worst case)	Polarity:	Vertical



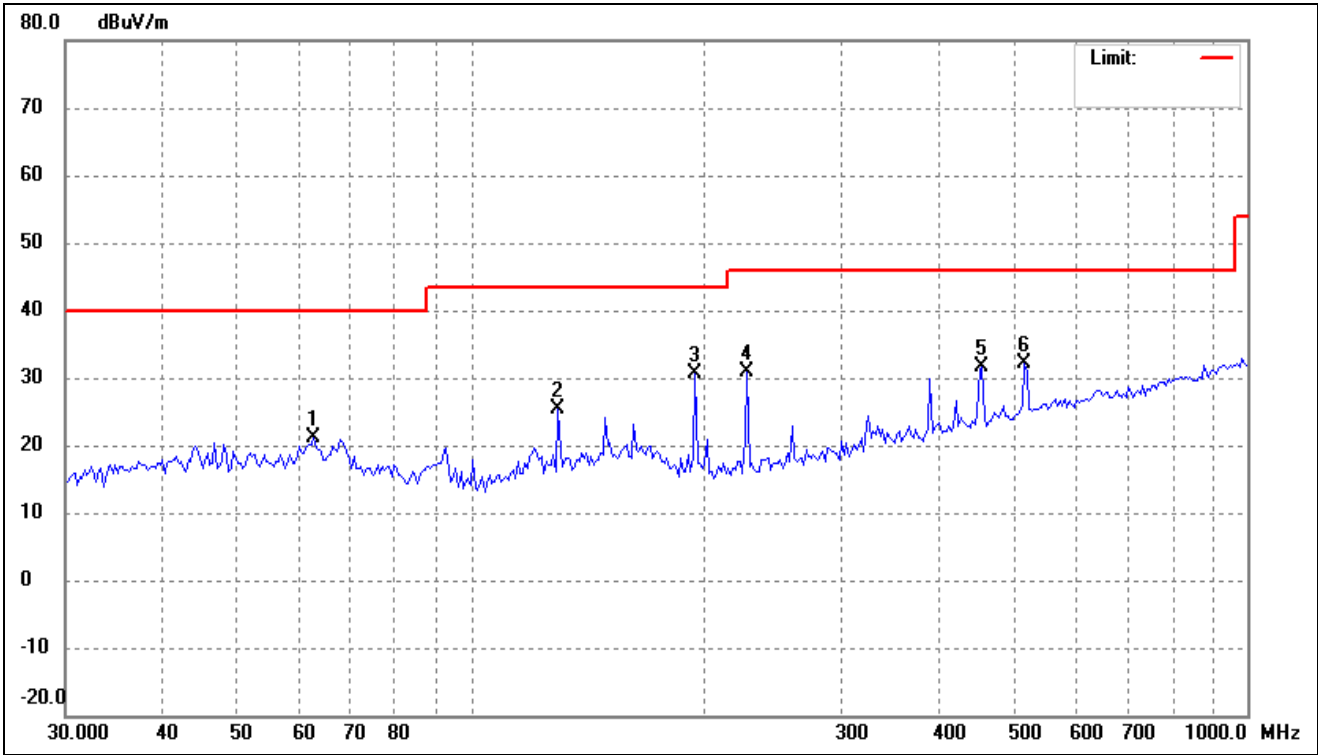
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.46	-9.28	22.18	40.00	-17.82	-	-	peak
2	118.0957	29.78	-10.73	19.05	43.50	-24.45	-	-	peak
3	194.4985	42.27	-11.67	30.60	43.50	-12.90	-	-	peak
4	227.0164	42.29	-11.76	30.53	46.00	-15.47	-	-	peak
5	452.0013	36.54	-4.56	31.98	46.00	-14.02	-	-	peak
6	945.3336	31.67	2.15	33.82	46.00	-12.18	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	50.8172	27.78	-8.17	19.61	40.00	-20.39	-	-	peak
2	148.9175	30.45	-8.68	21.77	43.50	-21.73	-	-	peak
3	194.4985	33.72	-11.67	22.05	43.50	-21.45	-	-	peak
4	334.1255	33.96	-7.39	26.57	46.00	-19.43	-	-	peak
5	669.9523	29.94	-1.27	28.67	46.00	-17.33	-	-	peak
6	979.1392	30.66	2.28	32.94	54.00	-21.06	-	-	peak

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

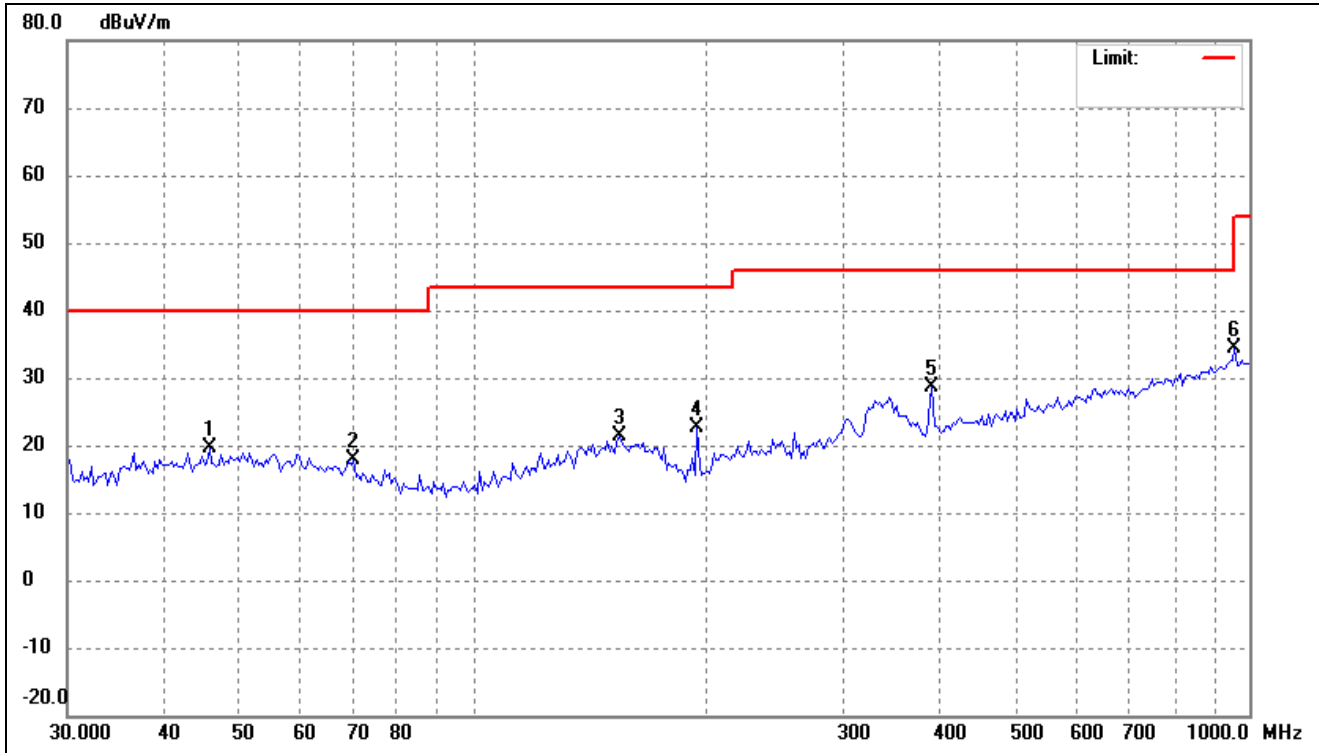


No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	62.7432	30.47	-9.44	21.03	40.00	-18.97	-	-	peak
2	129.3923	35.39	-9.89	25.50	43.50	-18.00	-	-	peak
3	194.4985	42.31	-11.67	30.64	43.50	-12.86	-	-	peak
4	227.0164	42.66	-11.76	30.90	46.00	-15.10	-	-	peak
5	455.1888	36.27	-4.52	31.75	46.00	-14.25	-	-	peak
6	516.5651	35.77	-3.65	32.12	46.00	-13.88	-	-	peak

5260-5320MHz

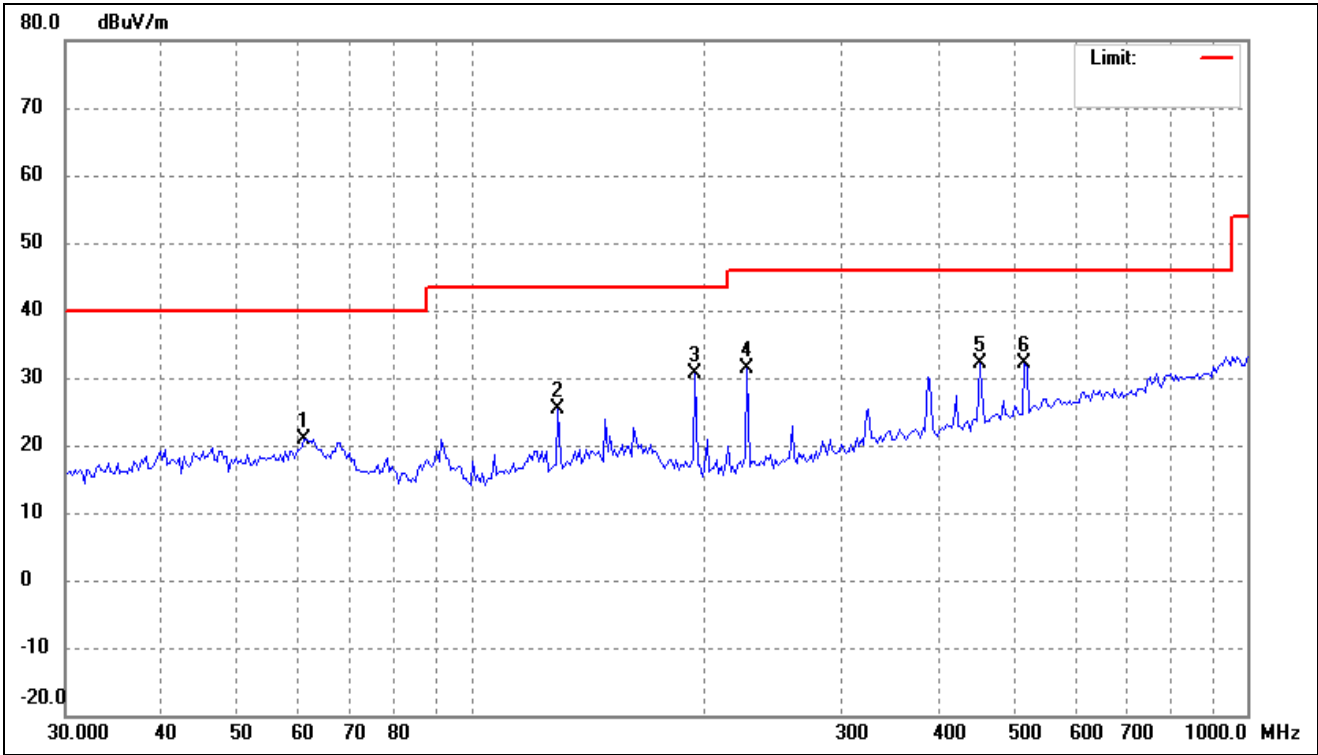
802.11a

Test Channel	5260MHz(Worst case)	Polarity:	Horizontal
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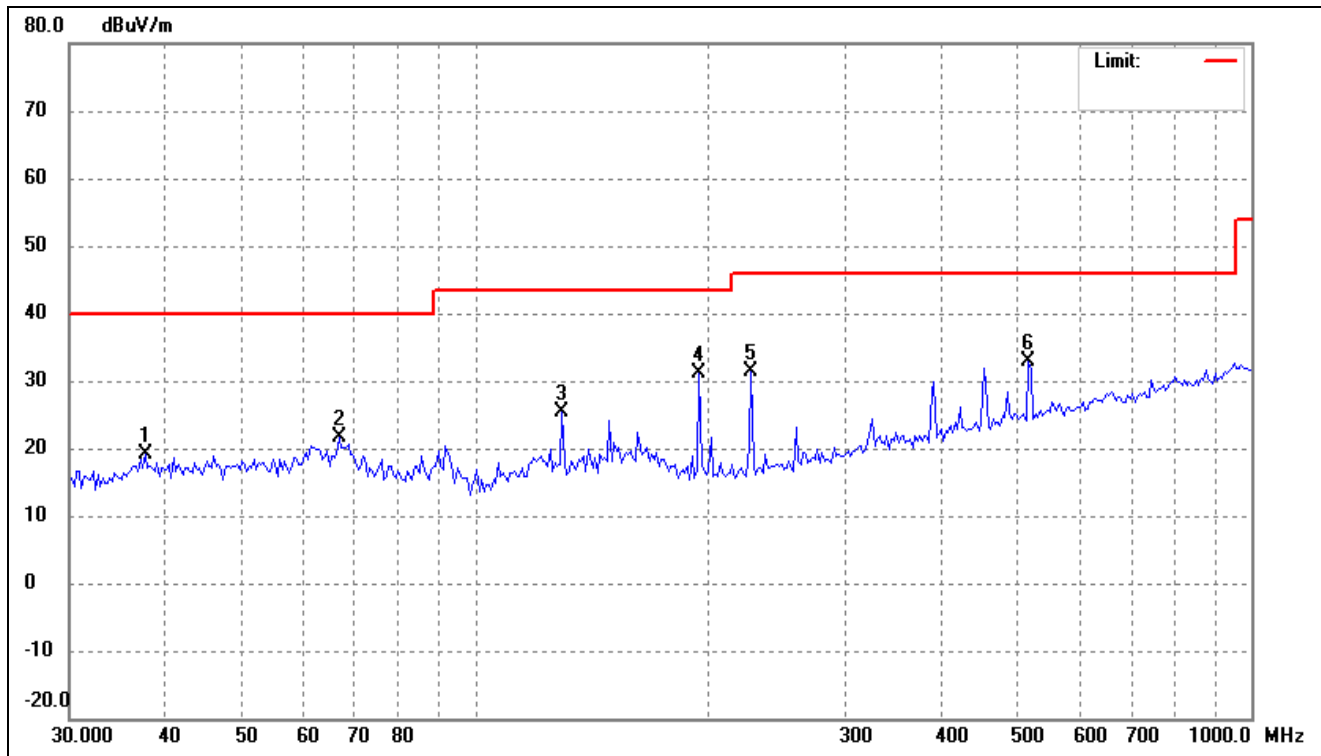
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	45.7333	27.94	-8.41	19.53	40.00	-20.47	-	-	peak
2	70.2095	28.77	-10.81	17.96	40.00	-22.04	-	-	peak
3	154.2428	30.05	-8.60	21.45	43.50	-22.05	-	-	peak
4	194.4985	34.20	-11.67	22.53	43.50	-20.97	-	-	peak
5	389.9874	34.67	-6.16	28.51	46.00	-17.49	-	-	peak
6	958.7134	32.02	2.26	34.28	46.00	-11.72	-	-	peak

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



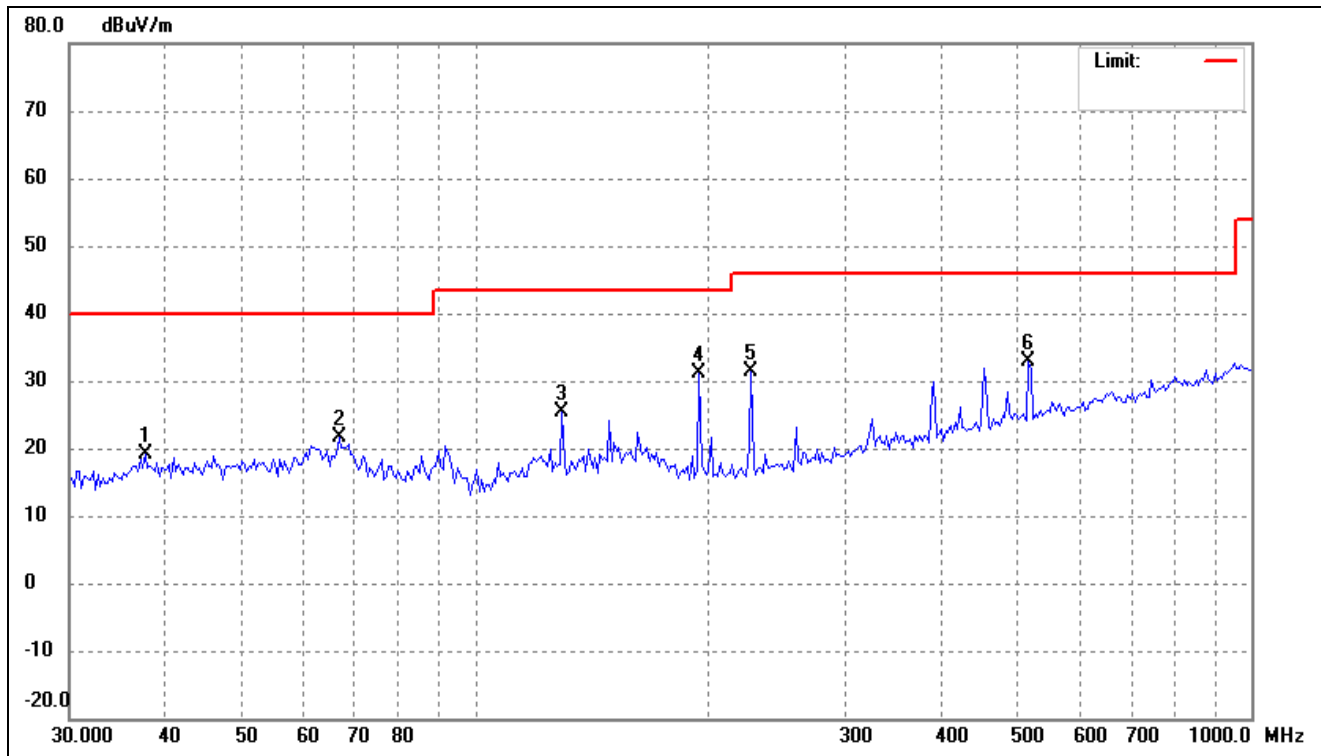
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.0041	30.03	-9.11	20.92	40.00	-19.08	-	-	peak
2	129.3923	35.17	-9.89	25.28	43.50	-18.22	-	-	peak
3	194.4985	42.30	-11.67	30.63	43.50	-12.87	-	-	peak
4	227.0164	43.07	-11.76	31.31	46.00	-14.69	-	-	peak
5	452.0013	36.68	-4.56	32.12	46.00	-13.88	-	-	peak
6	516.5651	35.77	-3.65	32.12	46.00	-13.88	-	-	peak

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



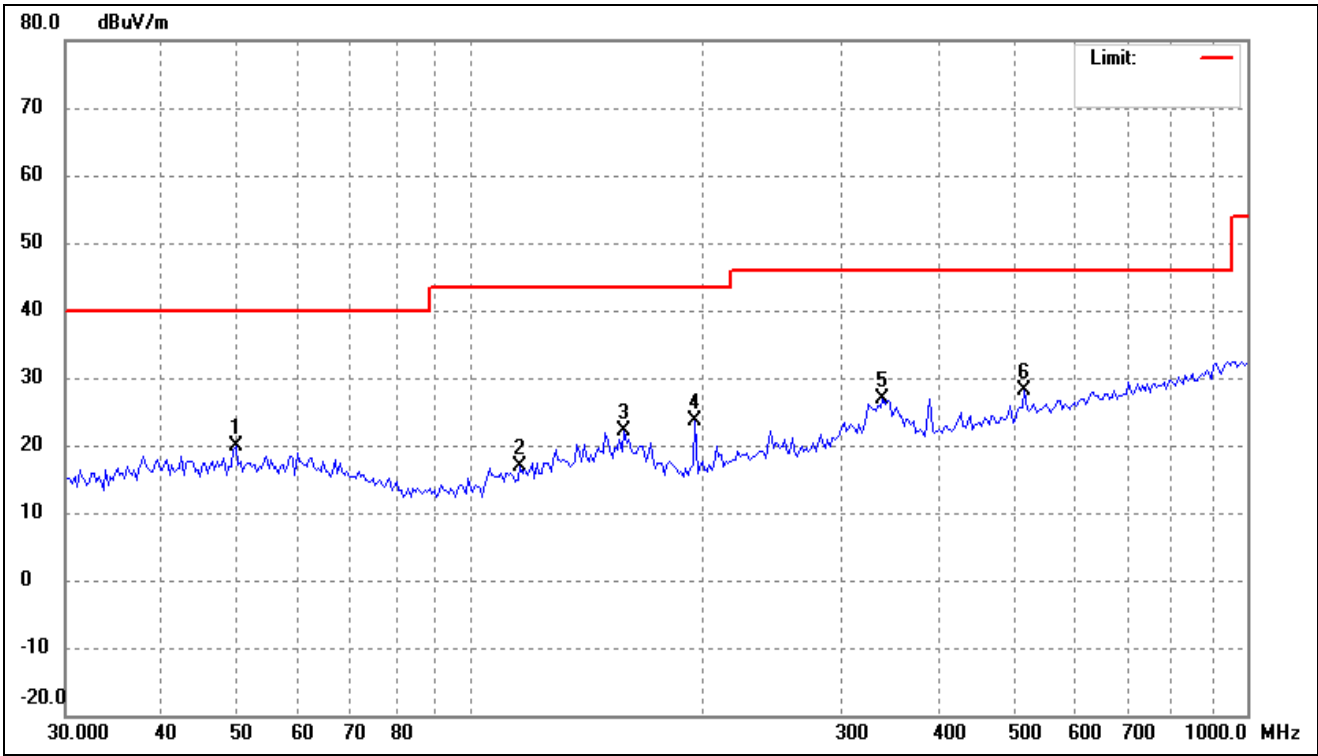
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.5648	28.01	-9.00	19.01	40.00	-20.99	-	-	peak
2	66.8395	31.81	-10.18	21.63	40.00	-18.37	-	-	peak
3	129.3923	35.34	-9.89	25.45	43.50	-18.05	-	-	peak
4	194.4985	42.75	-11.67	31.08	43.50	-12.42	-	-	peak
5	227.0164	43.04	-11.76	31.28	46.00	-14.72	-	-	peak
6	516.5651	36.46	-3.65	32.81	46.00	-13.19	-	-	peak

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



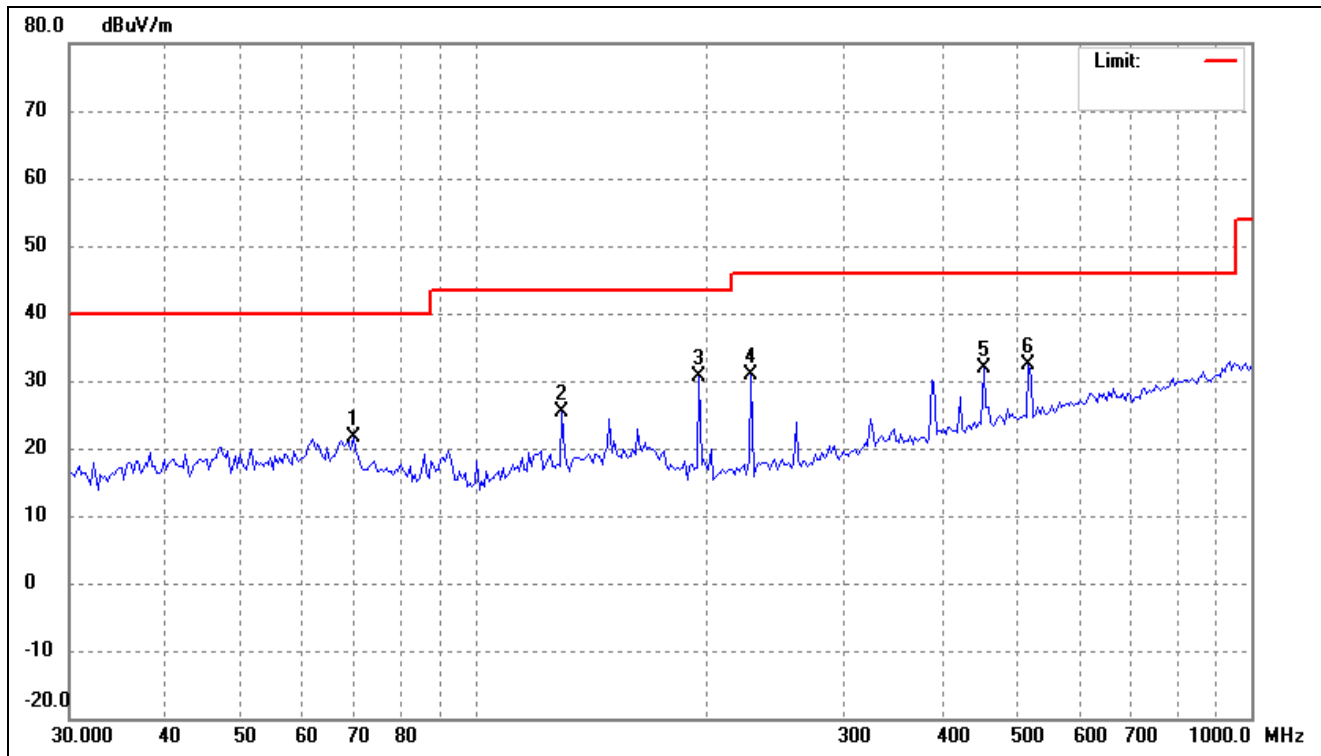
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.5648	28.01	-9.00	19.01	40.00	-20.99	-	-	peak
2	66.8395	31.81	-10.18	21.63	40.00	-18.37	-	-	peak
3	129.3923	35.34	-9.89	25.45	43.50	-18.05	-	-	peak
4	194.4985	42.75	-11.67	31.08	43.50	-12.42	-	-	peak
5	227.0164	43.04	-11.76	31.28	46.00	-14.72	-	-	peak
6	516.5651	36.46	-3.65	32.81	46.00	-13.19	-	-	peak

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



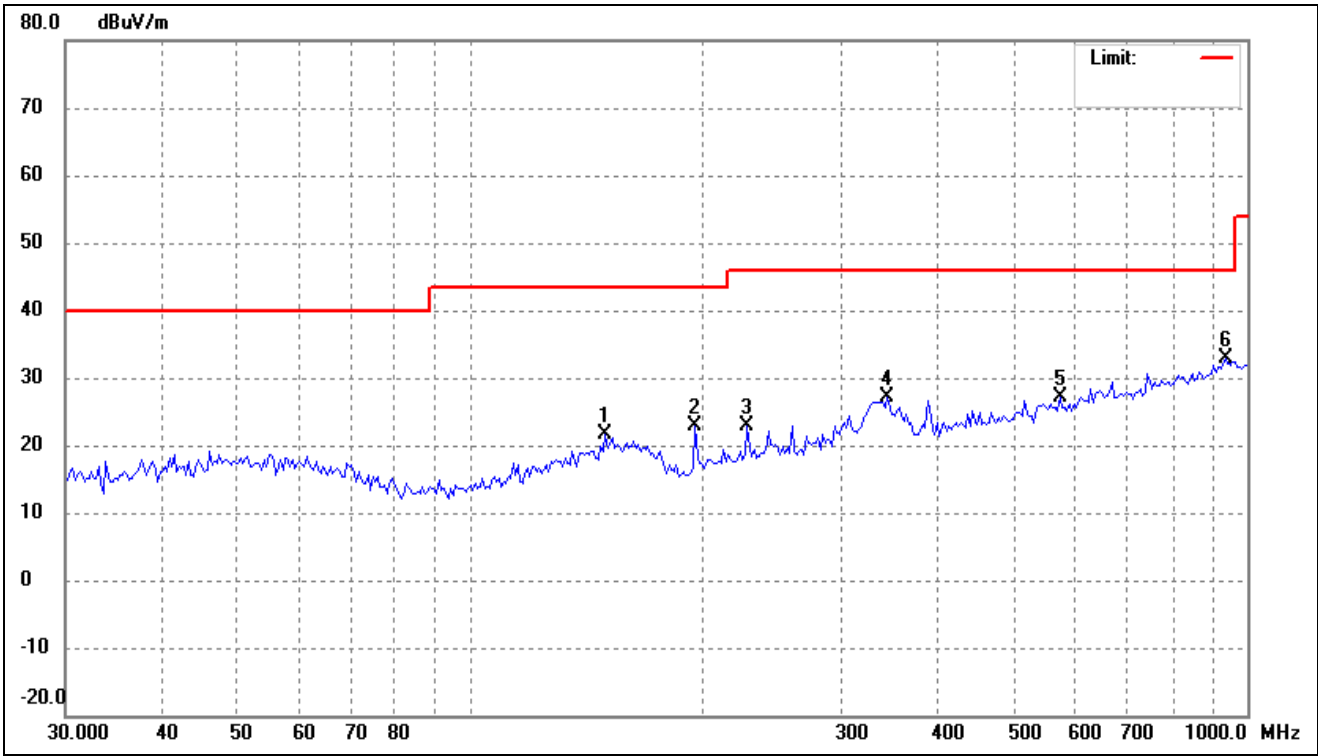
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	49.7571	27.97	-8.09	19.88	40.00	-20.12	-	-	peak
2	115.6322	27.92	-10.99	16.93	43.50	-26.57	-	-	peak
3	157.5290	30.68	-8.61	22.07	43.50	-21.43	-	-	peak
4	194.4985	35.29	-11.67	23.62	43.50	-19.88	-	-	peak
5	338.8546	34.21	-7.31	26.90	46.00	-19.10	-	-	peak
6	516.5651	31.68	-3.65	28.03	46.00	-17.97	-	-	peak

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



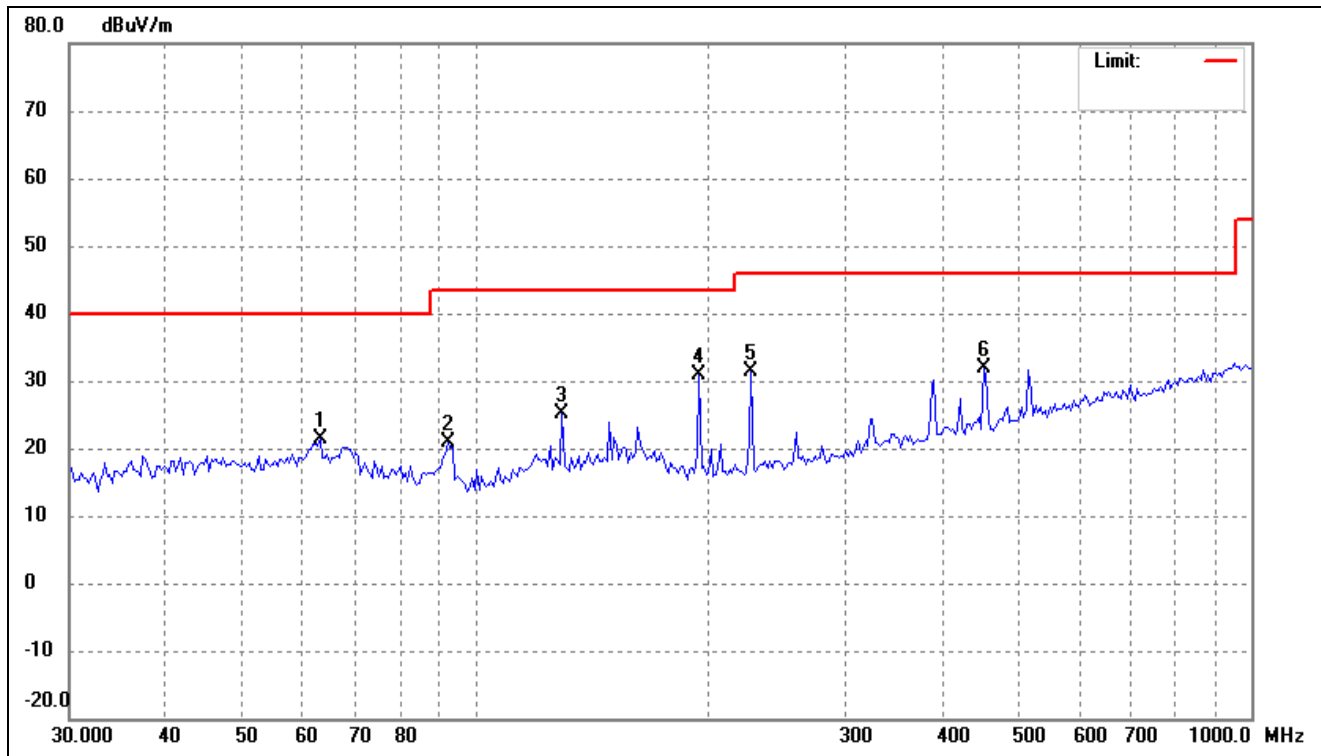
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	69.7179	32.26	-10.71	21.55	40.00	-18.45	-	-	peak
2	129.3923	35.24	-9.89	25.35	43.50	-18.15	-	-	peak
3	194.4985	42.29	-11.67	30.62	43.50	-12.88	-	-	peak
4	227.0164	42.57	-11.76	30.81	46.00	-15.19	-	-	peak
5	452.0013	36.43	-4.56	31.87	46.00	-14.13	-	-	peak
6	516.5651	36.15	-3.65	32.50	46.00	-13.50	-	-	peak

802.11ax-HE20			
Test Channel	5260MHz(worst case)	Polarity:	Horizontal



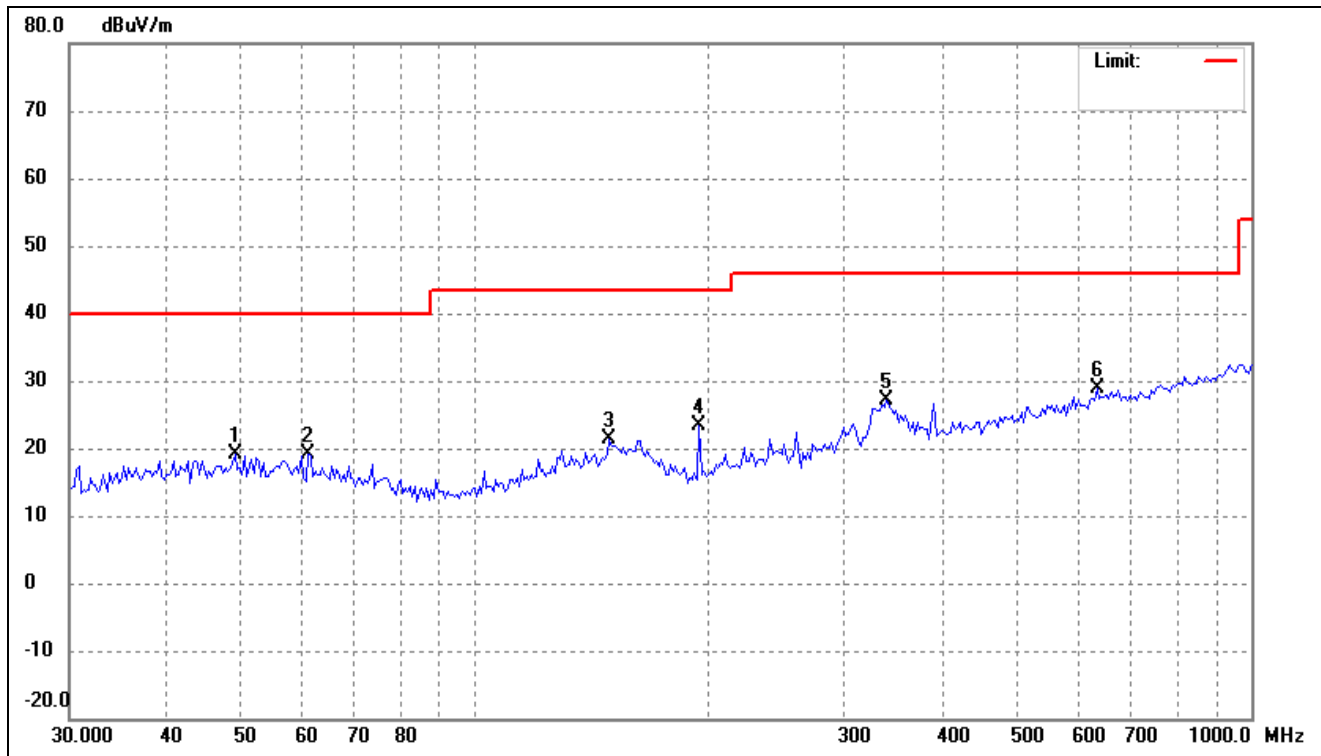
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	148.9175	30.35	-8.68	21.67	43.50	-21.83	-	-	peak
2	194.4985	34.60	-11.67	22.93	43.50	-20.57	-	-	peak
3	227.0164	34.75	-11.76	22.99	46.00	-23.01	-	-	peak
4	343.6506	34.23	-7.22	27.01	46.00	-18.99	-	-	peak
5	573.9882	29.34	-2.27	27.07	46.00	-18.93	-	-	peak
6	938.7139	30.85	2.01	32.86	46.00	-13.14	-	-	peak

802.11ax-HE20			
Test Channel	5260MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	63.1857	30.84	-9.52	21.32	40.00	-18.68	-	-	peak
2	92.3462	33.92	-12.96	20.96	43.50	-22.54	-	-	peak
3	129.3923	35.09	-9.89	25.20	43.50	-18.30	-	-	peak
4	194.4985	42.57	-11.67	30.90	43.50	-12.60	-	-	peak
5	227.0164	43.03	-11.76	31.27	46.00	-14.73	-	-	peak
6	452.0013	36.53	-4.56	31.97	46.00	-14.03	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	49.0627	27.40	-8.15	19.25	40.00	-20.75	-	-	peak
2	61.0041	28.14	-9.11	19.03	40.00	-20.97	-	-	peak
3	148.9175	30.05	-8.68	21.37	43.50	-22.13	-	-	peak
4	194.4985	34.94	-11.67	23.27	43.50	-20.23	-	-	peak
5	338.8546	34.46	-7.31	27.15	46.00	-18.85	-	-	peak
6	633.3285	30.20	-1.37	28.83	46.00	-17.17	-	-	peak

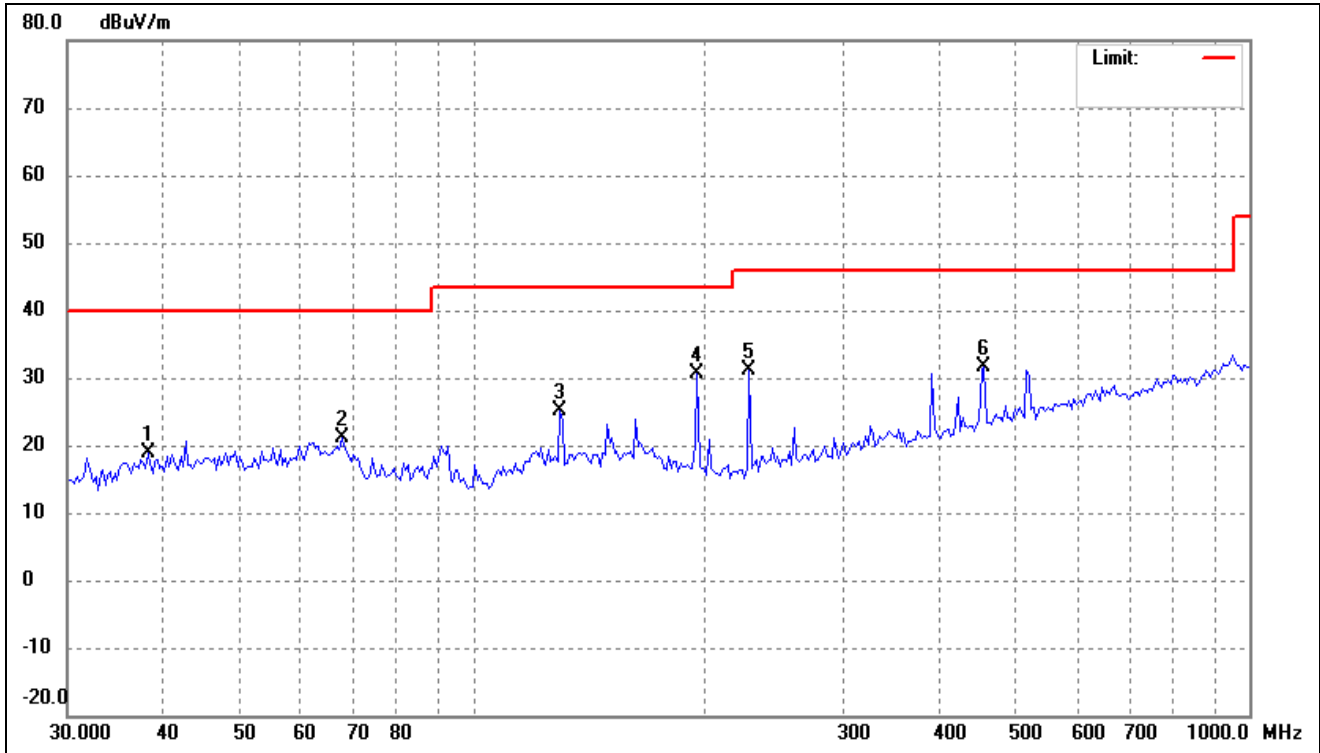
802.11n-HT40

Test Channel

5270MHz(worst case)

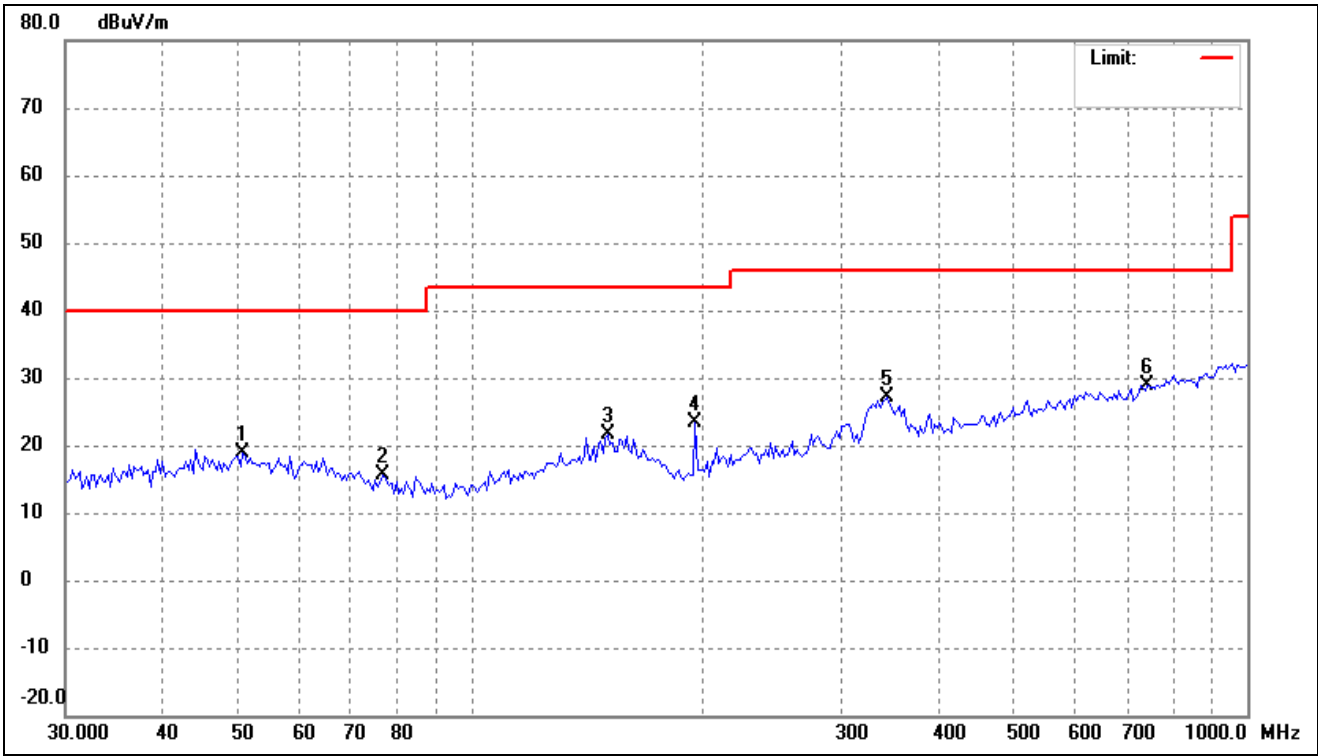
Polarity:

Vertical



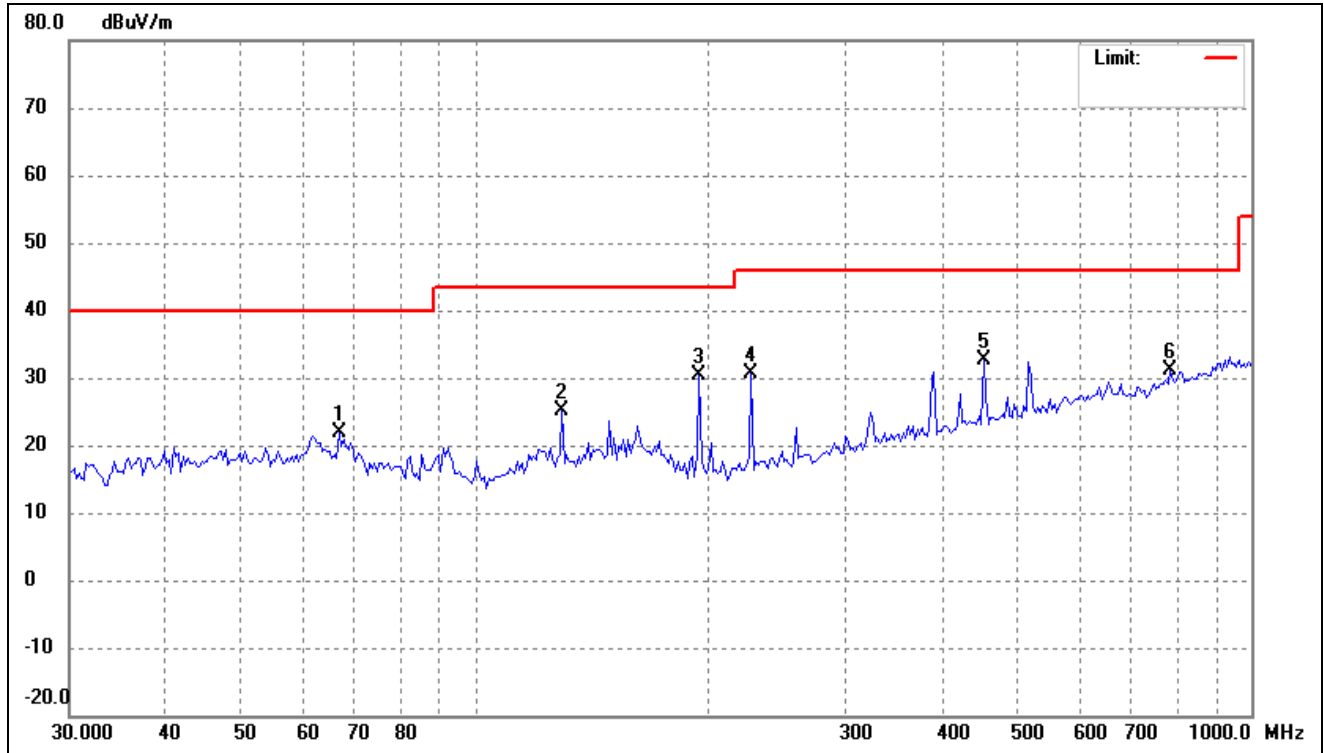
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	38.0965	27.65	-8.89	18.76	40.00	-21.24	-	-	peak
2	67.7856	31.47	-10.36	21.11	40.00	-18.89	-	-	peak
3	129.3923	35.03	-9.89	25.14	43.50	-18.36	-	-	peak
4	194.4985	42.41	-11.67	30.74	43.50	-12.76	-	-	peak
5	227.0164	42.88	-11.76	31.12	46.00	-14.88	-	-	peak
6	455.1888	36.11	-4.52	31.59	46.00	-14.41	-	-	peak

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



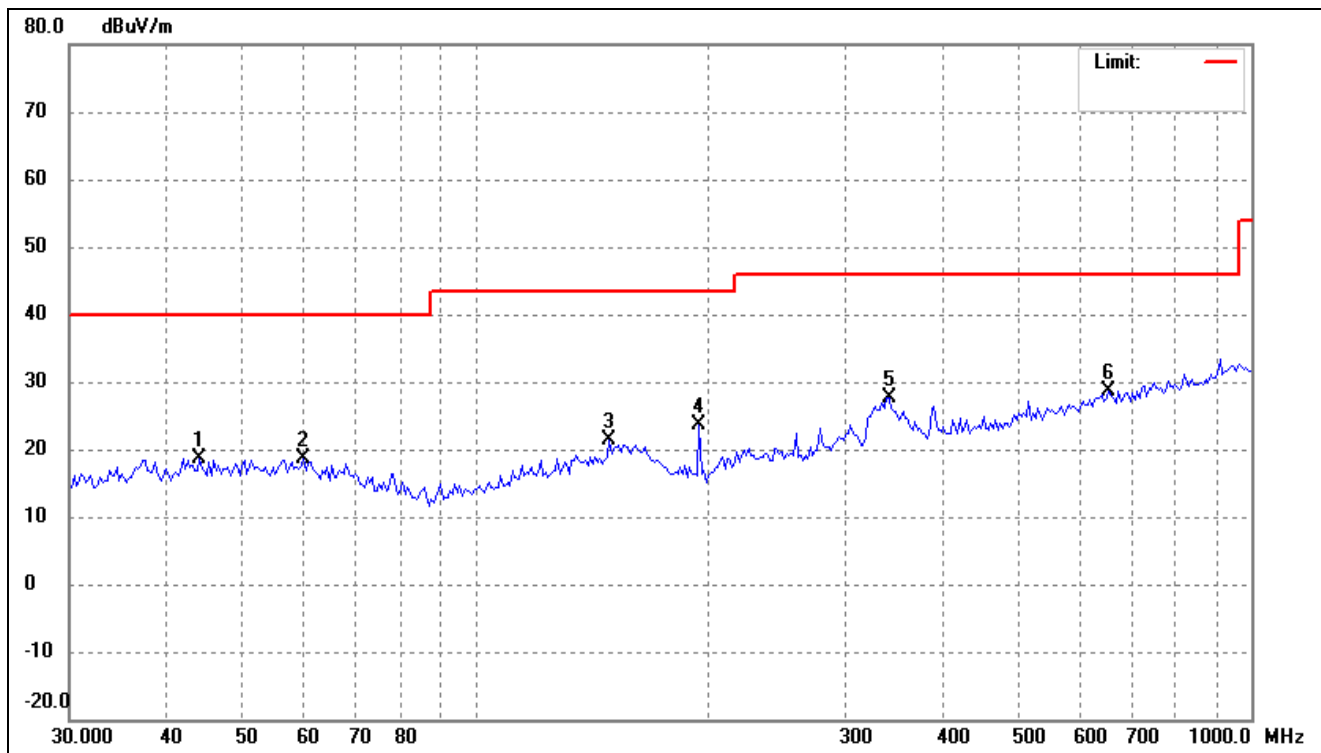
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	50.8172	27.11	-8.17	18.94	40.00	-21.06	-	-	peak
2	76.9256	27.84	-12.28	15.56	40.00	-24.44	-	-	peak
3	149.9676	30.20	-8.59	21.61	43.50	-21.89	-	-	peak
4	194.4985	35.06	-11.67	23.39	43.50	-20.11	-	-	peak
5	343.6506	34.26	-7.22	27.04	46.00	-18.96	-	-	peak
6	744.4265	29.12	-0.27	28.85	46.00	-17.15	-	-	peak

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



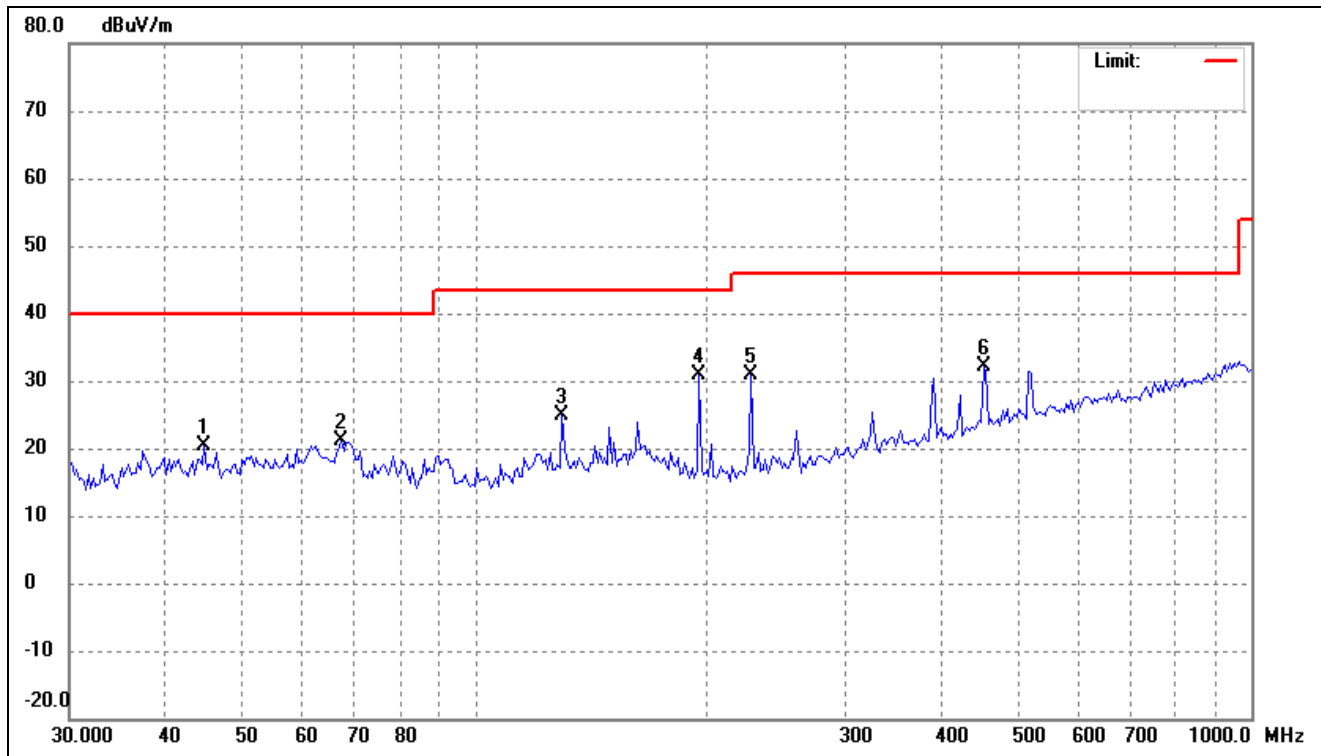
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	66.8395	32.10	-10.18	21.92	40.00	-18.08	-	-	peak
2	129.3923	35.01	-9.89	25.12	43.50	-18.38	-	-	peak
3	194.4985	42.09	-11.67	30.42	43.50	-13.08	-	-	peak
4	227.0164	42.34	-11.76	30.58	46.00	-15.42	-	-	peak
5	452.0013	37.21	-4.56	32.65	46.00	-13.35	-	-	peak
6	787.4749	31.01	0.19	31.20	46.00	-14.80	-	-	peak

802.11ax-HE40			
Test Channel	5270MHz(worst case)	Polarity:	Horizontal



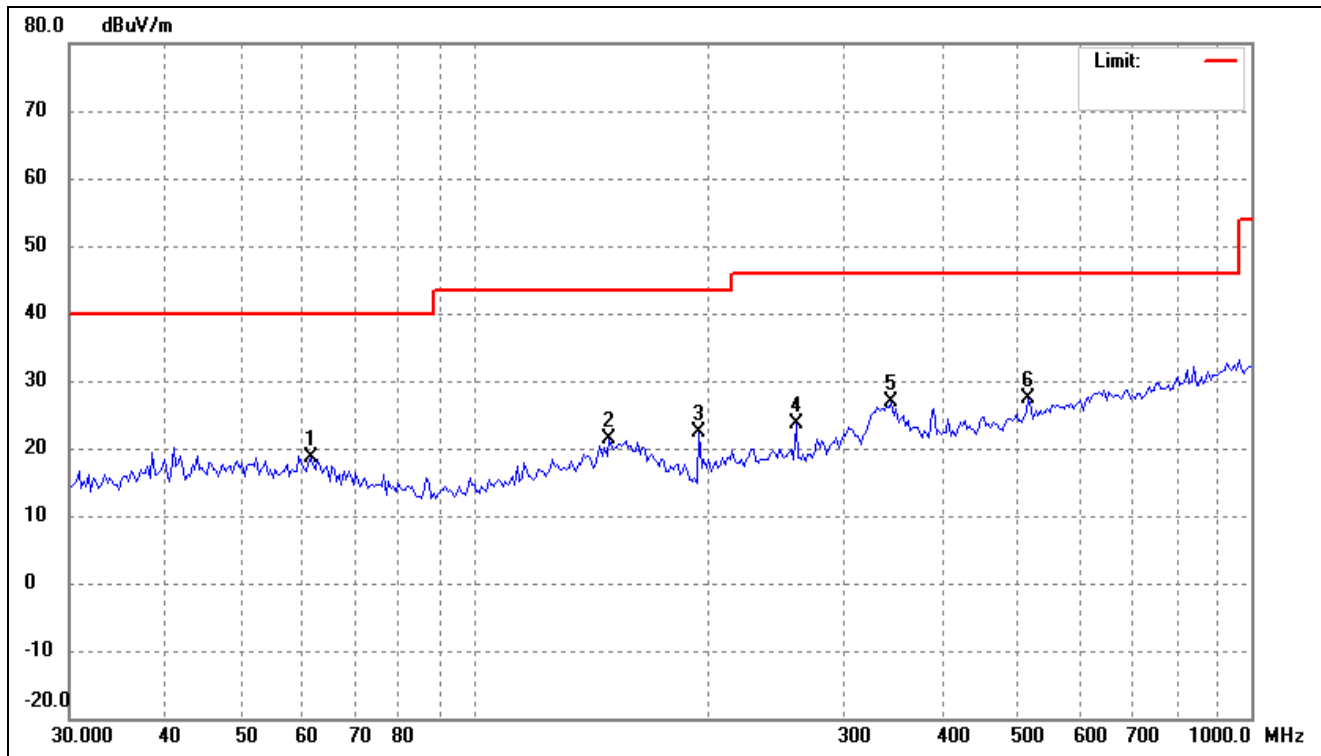
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	44.1544	27.21	-8.47	18.74	40.00	-21.26	-	-	peak
2	60.1528	27.57	-8.97	18.60	40.00	-21.40	-	-	peak
3	148.9175	30.10	-8.68	21.42	43.50	-22.08	-	-	peak
4	194.4985	35.24	-11.67	23.57	43.50	-19.93	-	-	peak
5	341.2442	34.94	-7.26	27.68	46.00	-18.32	-	-	peak
6	655.9766	29.99	-1.30	28.69	46.00	-17.31	-	-	peak

802.11ax-HE40			
Test Channel	5270MHz(worst case)	Polarity:	Vertical



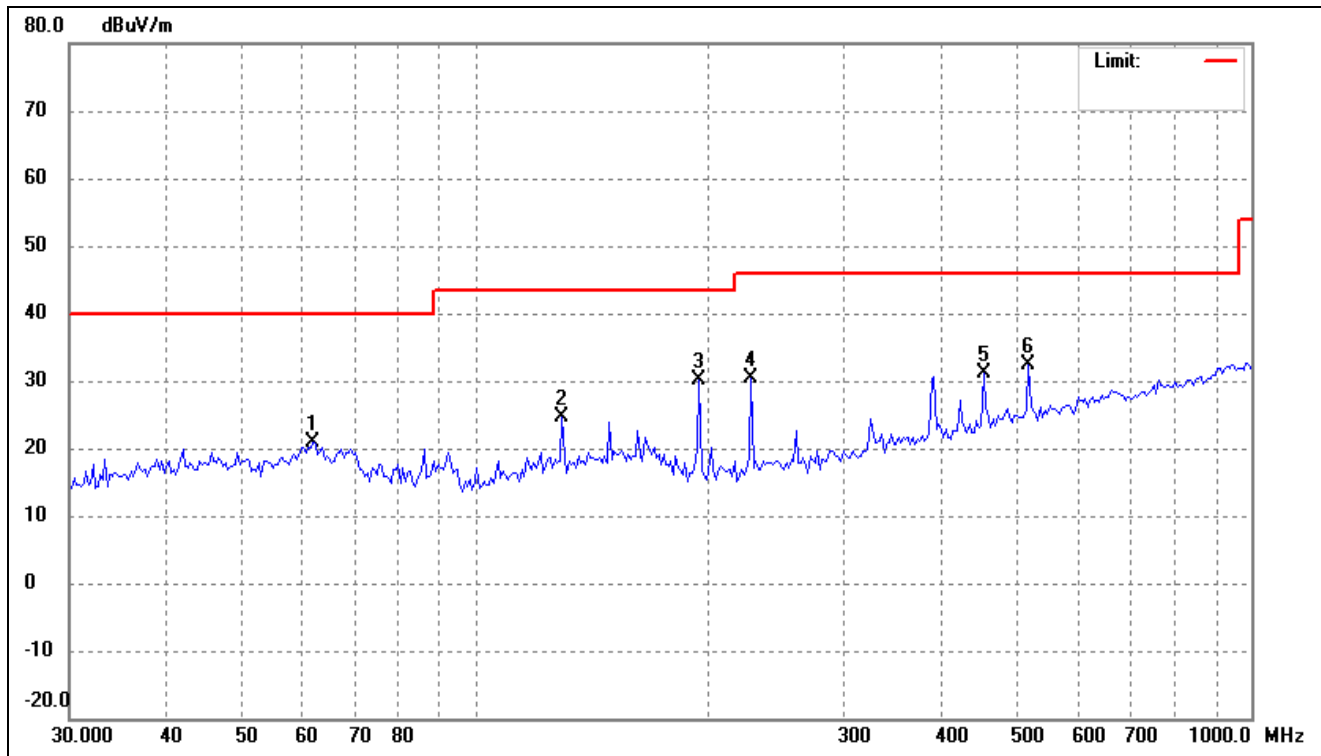
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	44.7793	28.92	-8.47	20.45	40.00	-19.55	-	-	peak
2	67.3109	31.30	-10.27	21.03	40.00	-18.97	-	-	peak
3	129.3923	34.81	-9.89	24.92	43.50	-18.58	-	-	peak
4	194.4985	42.44	-11.67	30.77	43.50	-12.73	-	-	peak
5	227.0164	42.64	-11.76	30.88	46.00	-15.12	-	-	peak
6	452.0013	36.63	-4.56	32.07	46.00	-13.93	-	-	peak

802.11ac-HT80			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



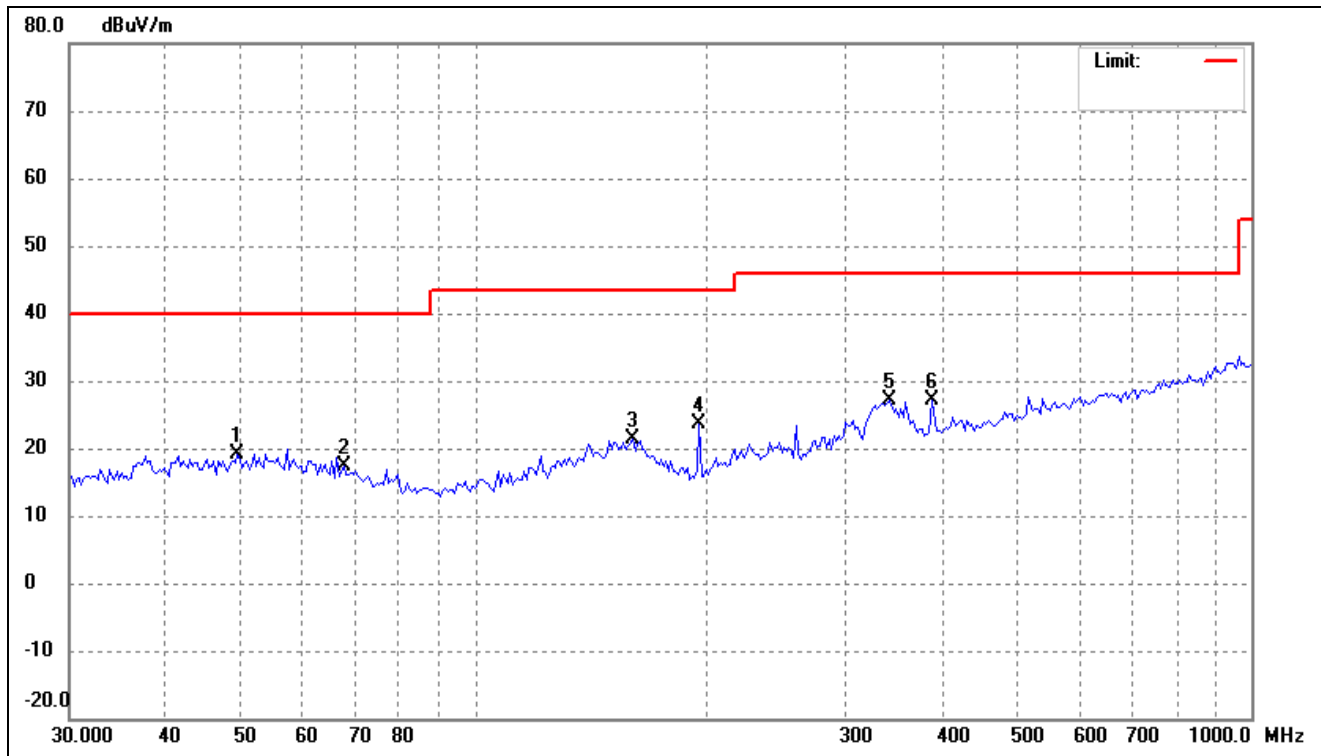
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	27.74	-9.20	18.54	40.00	-21.46	-	-	peak
2	148.9175	30.14	-8.68	21.46	43.50	-22.04	-	-	peak
3	194.4985	33.99	-11.67	22.32	43.50	-21.18	-	-	peak
4	259.4434	33.34	-9.79	23.55	46.00	-22.45	-	-	peak
5	343.6506	34.05	-7.22	26.83	46.00	-19.17	-	-	peak
6	516.5651	31.03	-3.65	27.38	46.00	-18.62	-	-	peak

802.11ac-HT80			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



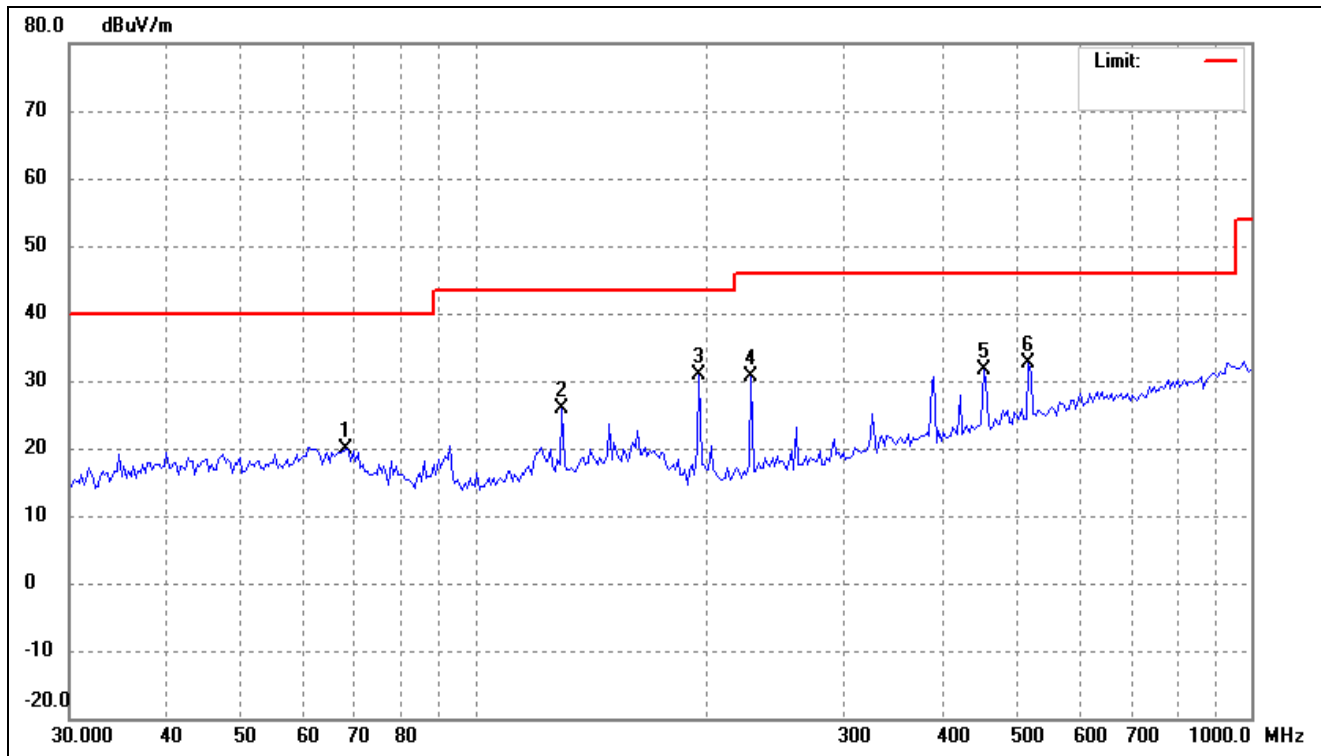
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	30.05	-9.28	20.77	40.00	-19.23	-	-	peak
2	129.3923	34.42	-9.89	24.53	43.50	-18.97	-	-	peak
3	194.4985	41.85	-11.67	30.18	43.50	-13.32	-	-	peak
4	227.0164	42.17	-11.76	30.41	46.00	-15.59	-	-	peak
5	452.0013	35.63	-4.56	31.07	46.00	-14.93	-	-	peak
6	516.5651	35.94	-3.65	32.29	46.00	-13.71	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	49.4087	27.20	-8.13	19.07	40.00	-20.93	-	-	peak
2	67.7856	27.70	-10.36	17.34	40.00	-22.66	-	-	peak
3	159.7586	30.07	-8.61	21.46	43.50	-22.04	-	-	peak
4	194.4985	35.39	-11.67	23.72	43.50	-19.78	-	-	peak
5	341.2442	34.28	-7.26	27.02	46.00	-18.98	-	-	peak
6	387.2565	33.29	-6.22	27.07	46.00	-18.93	-	-	peak

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

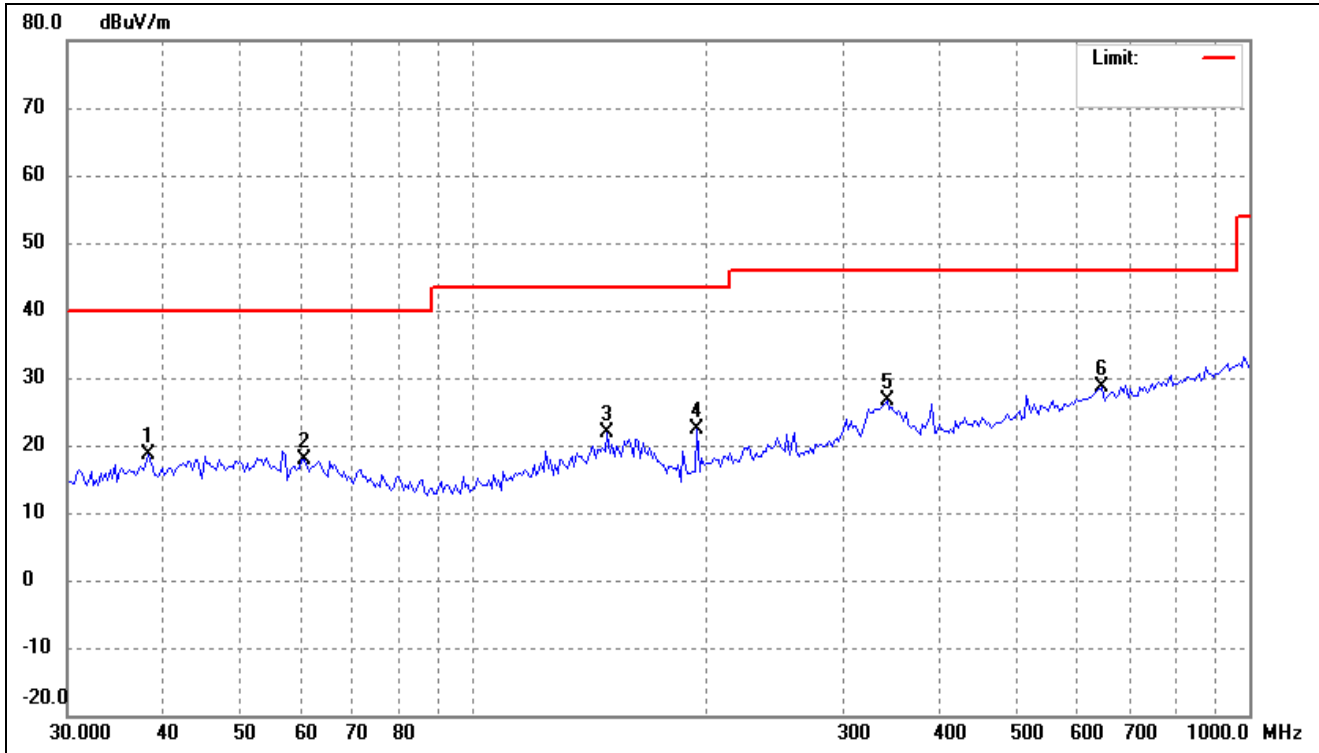


No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.2636	30.34	-10.45	19.89	40.00	-20.11	-	-	peak
2	129.3923	35.79	-9.89	25.90	43.50	-17.60	-	-	peak
3	194.4985	42.51	-11.67	30.84	43.50	-12.66	-	-	peak
4	227.0164	42.35	-11.76	30.59	46.00	-15.41	-	-	peak
5	452.0013	36.20	-4.56	31.64	46.00	-14.36	-	-	peak
6	516.5651	36.18	-3.65	32.53	46.00	-13.47	-	-	peak

5500-5700MHz

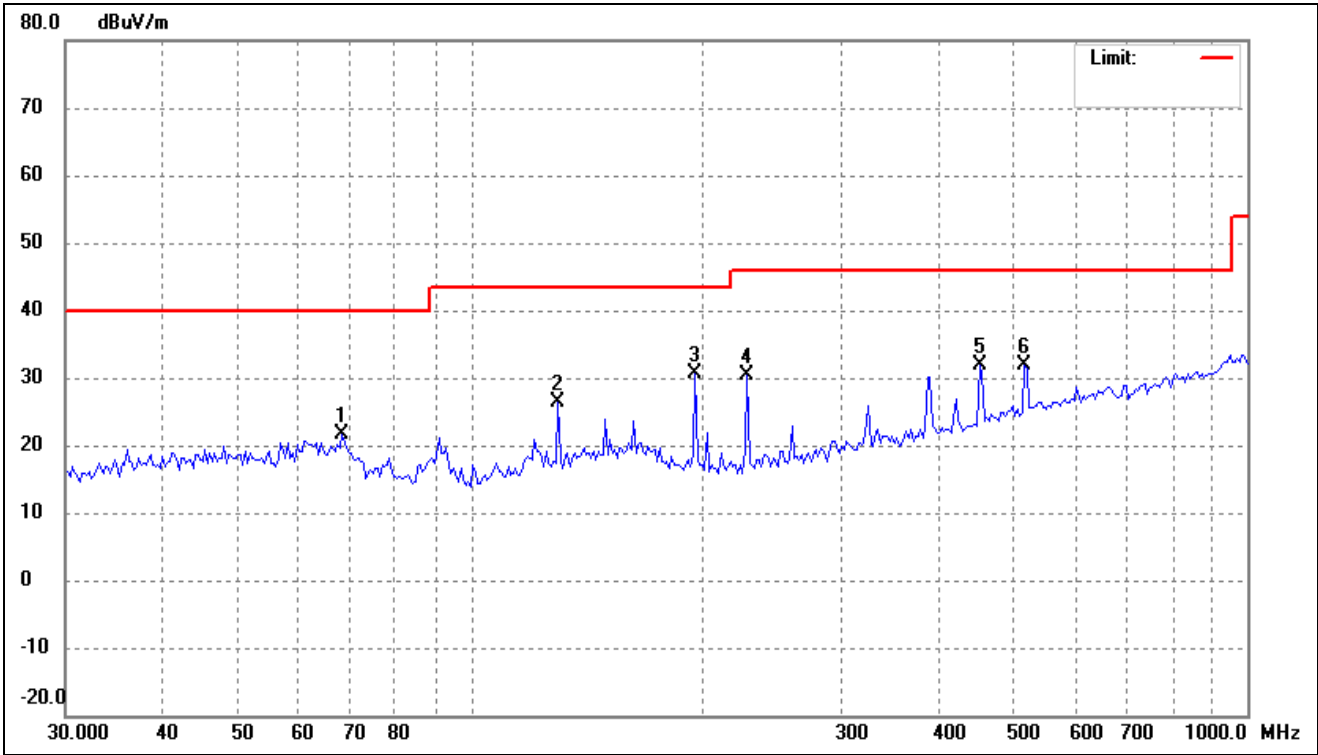
802.11a

Test Channel	5500MHz(Worst case)	Polarity:	Horizontal
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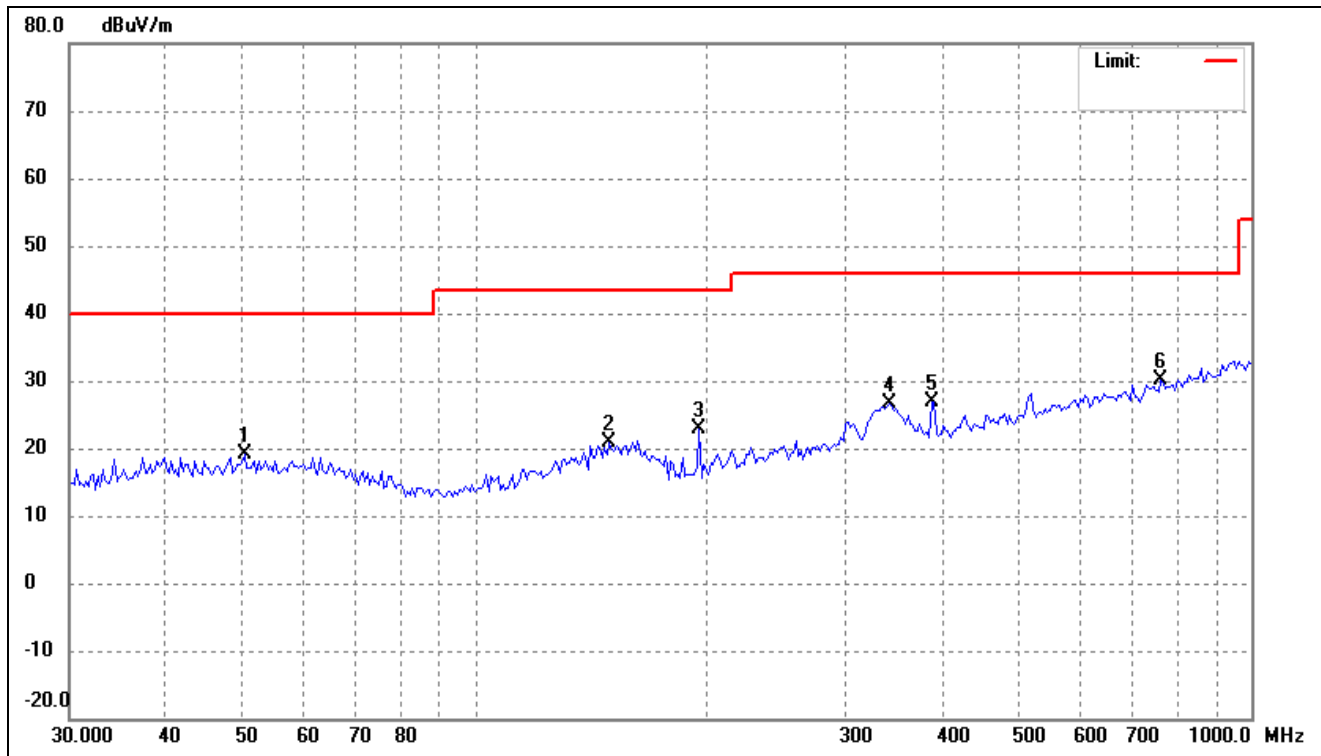
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	38.0965	27.64	-8.89	18.75	40.00	-21.25	-	-	peak
2	60.5769	26.98	-9.04	17.94	40.00	-22.06	-	-	peak
3	148.9175	30.56	-8.68	21.88	43.50	-21.62	-	-	peak
4	194.4985	34.04	-11.67	22.37	43.50	-21.13	-	-	peak
5	341.2442	33.89	-7.26	26.63	46.00	-19.37	-	-	peak
6	646.8217	29.94	-1.32	28.62	46.00	-17.38	-	-	peak

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



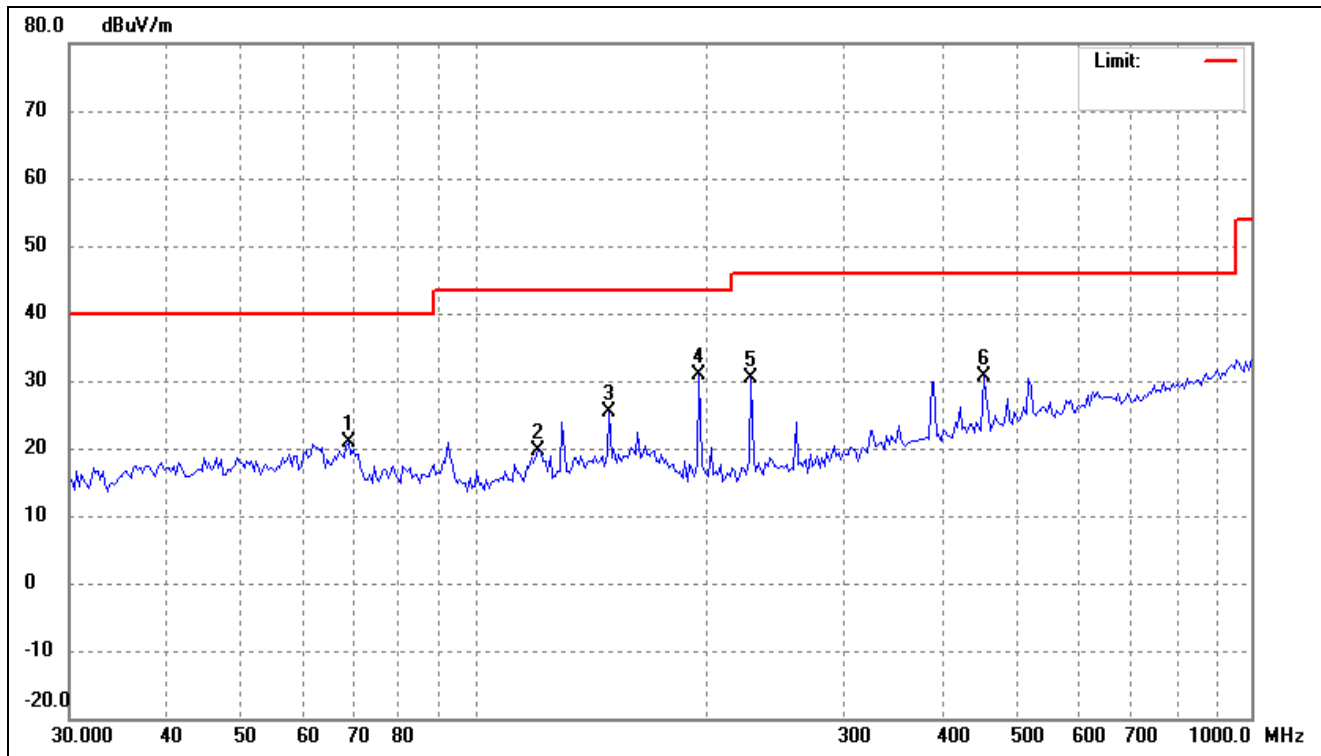
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.2636	32.13	-10.45	21.68	40.00	-18.32	-	-	peak
2	129.3923	36.24	-9.89	26.35	43.50	-17.15	-	-	peak
3	194.4985	42.42	-11.67	30.75	43.50	-12.75	-	-	peak
4	227.0164	42.07	-11.76	30.31	46.00	-15.69	-	-	peak
5	452.0013	36.47	-4.56	31.91	46.00	-14.09	-	-	peak
6	516.5651	35.46	-3.65	31.81	46.00	-14.19	-	-	peak

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



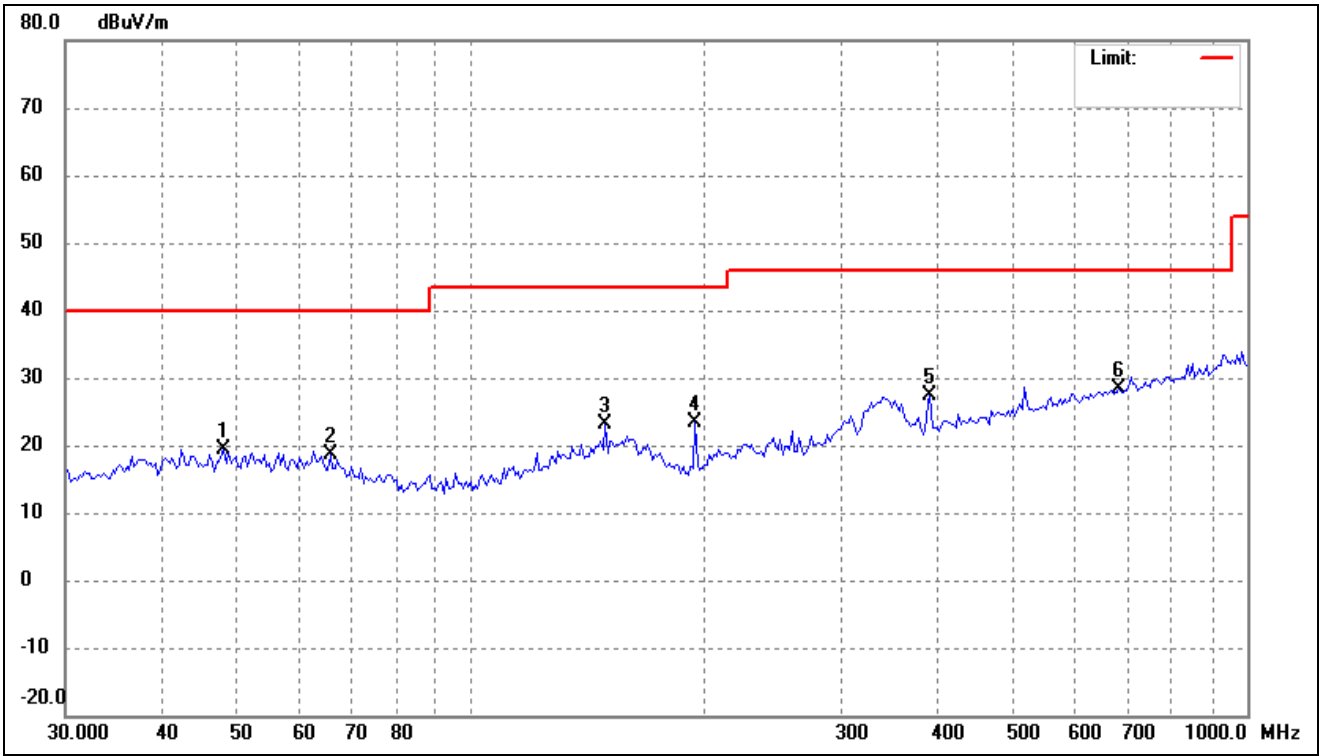
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	50.4614	27.34	-8.14	19.20	40.00	-20.80	-	-	peak
2	148.9175	29.44	-8.68	20.76	43.50	-22.74	-	-	peak
3	194.4985	34.65	-11.67	22.98	43.50	-20.52	-	-	peak
4	341.2442	33.99	-7.26	26.73	46.00	-19.27	-	-	peak
5	387.2565	33.01	-6.22	26.79	46.00	-19.21	-	-	peak
6	765.6482	30.04	-0.01	30.03	46.00	-15.97	-	-	peak

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



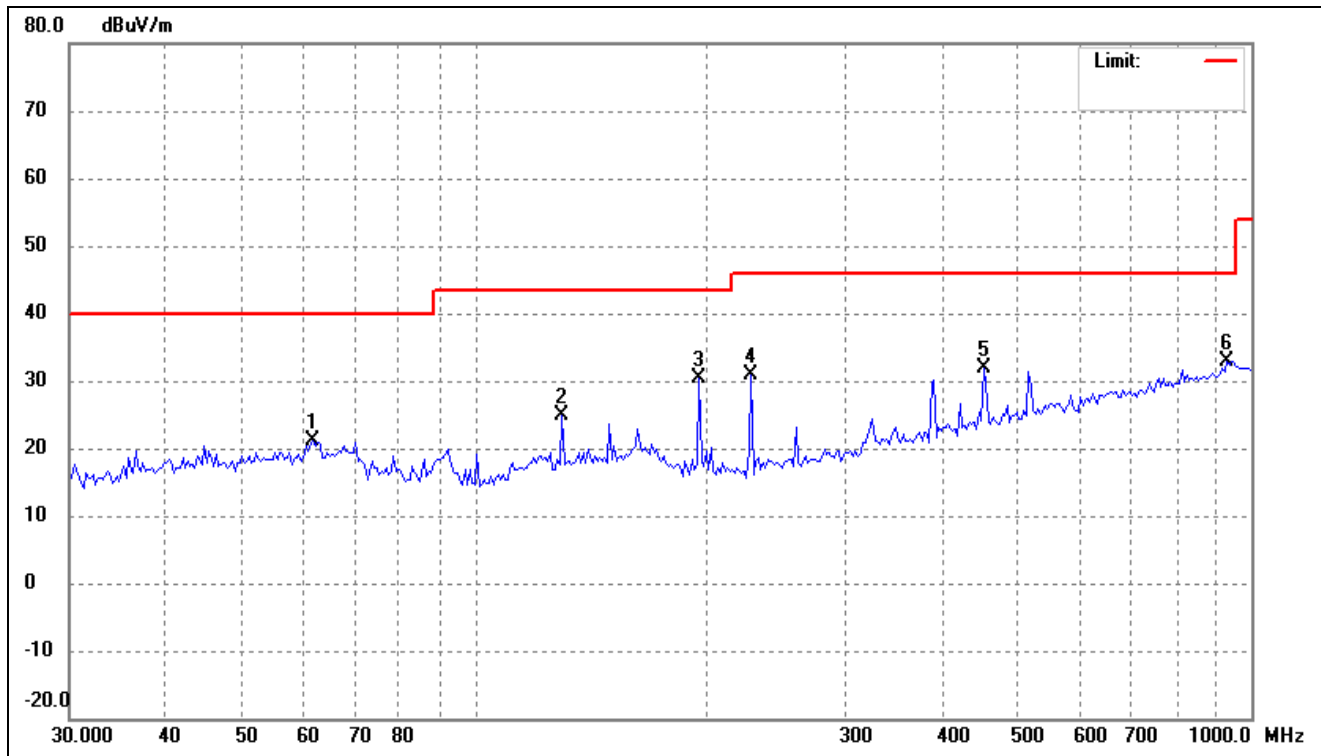
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.7450	31.34	-10.54	20.80	40.00	-19.20	-	-	peak
2	120.6118	30.18	-10.49	19.69	43.50	-23.81	-	-	peak
3	148.9175	34.00	-8.68	25.32	43.50	-18.18	-	-	peak
4	194.4985	42.51	-11.67	30.84	43.50	-12.66	-	-	peak
5	227.0164	42.23	-11.76	30.47	46.00	-15.53	-	-	peak
6	452.0013	35.14	-4.56	30.58	46.00	-15.42	-	-	peak

802.11ac-HT20			
Test Channel	5500MHz(Worst case)	Polarity:	Horizontal



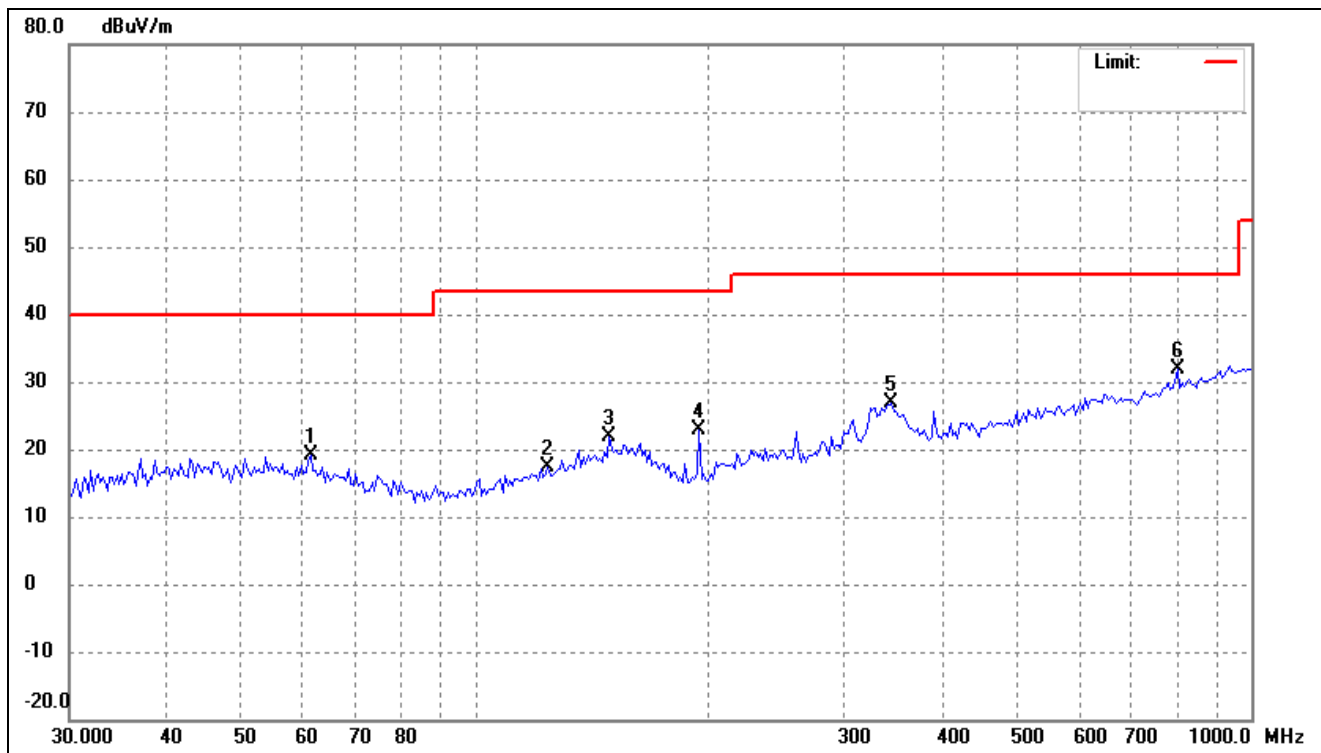
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	48.0392	27.65	-8.23	19.42	40.00	-20.58	-	-	peak
2	65.9067	28.59	-10.02	18.57	40.00	-21.43	-	-	peak
3	148.9175	31.73	-8.68	23.05	43.50	-20.45	-	-	peak
4	194.4985	35.02	-11.67	23.35	43.50	-20.15	-	-	peak
5	389.9874	33.57	-6.16	27.41	46.00	-18.59	-	-	peak
6	684.2259	29.70	-1.20	28.50	46.00	-17.50	-	-	peak

802.11ac-HT20			
Test Channel	5500MHz(Worst case)	Polarity:	Vertical



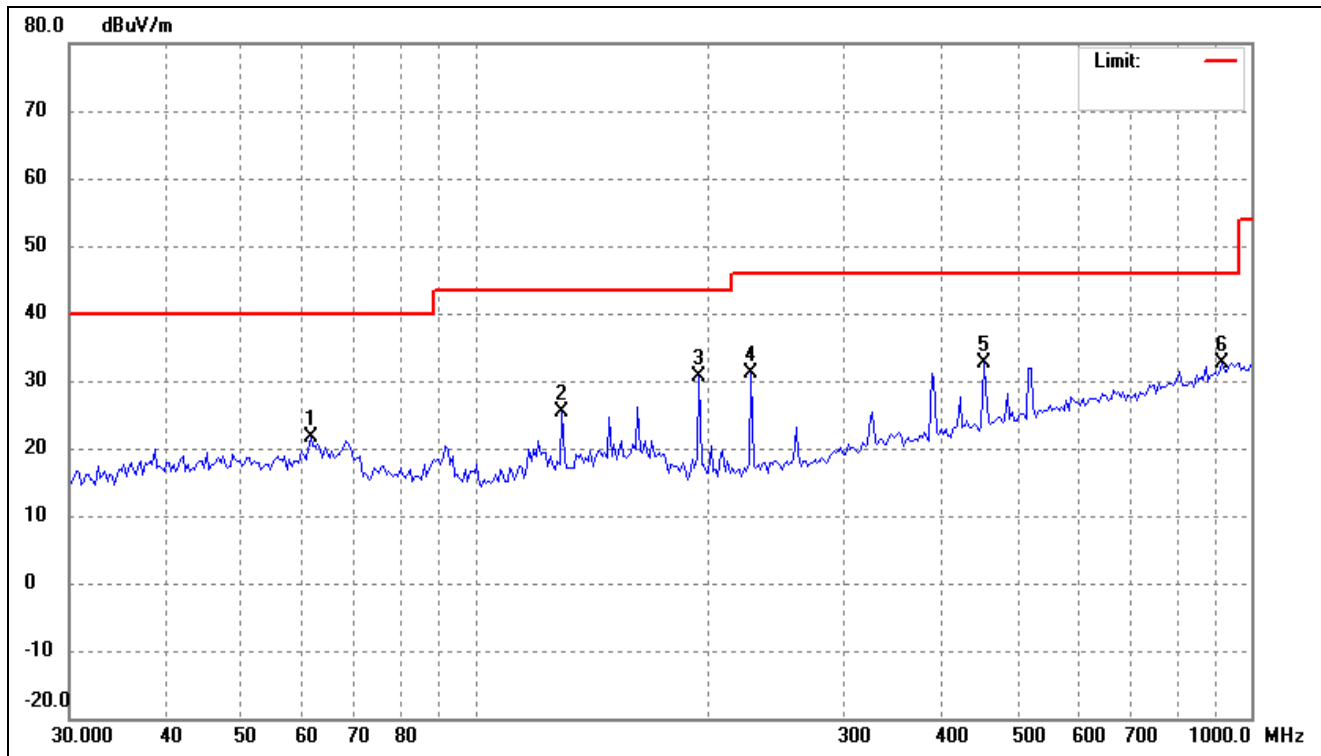
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	30.40	-9.28	21.12	40.00	-18.88	-	-	peak
2	129.3923	34.69	-9.89	24.80	43.50	-18.70	-	-	peak
3	194.4985	42.16	-11.67	30.49	43.50	-13.01	-	-	peak
4	227.0164	42.75	-11.76	30.99	46.00	-15.01	-	-	peak
5	452.0013	36.42	-4.56	31.86	46.00	-14.14	-	-	peak
6	932.1405	31.11	1.87	32.98	46.00	-13.02	-	-	peak

802.11ax-HE20			
Test Channel	5500MHz(Worst case)	Polarity:	Horizontal



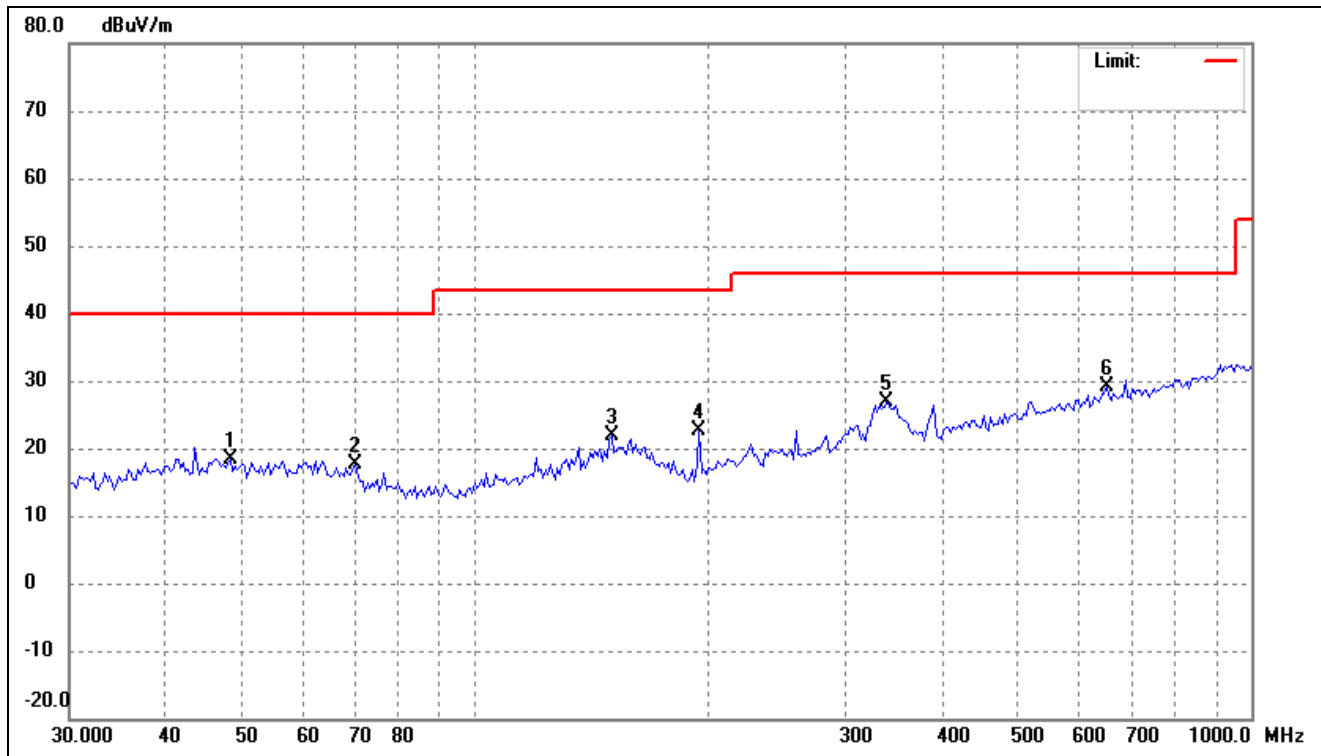
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	28.21	-9.20	19.01	40.00	-20.99	-	-	peak
2	124.0501	27.52	-10.25	17.27	43.50	-26.23	-	-	peak
3	148.9175	30.58	-8.68	21.90	43.50	-21.60	-	-	peak
4	194.4985	34.55	-11.67	22.88	43.50	-20.62	-	-	peak
5	343.6506	34.19	-7.22	26.97	46.00	-19.03	-	-	peak
6	804.2523	31.57	0.34	31.91	46.00	-14.09	-	-	peak

802.11ax-HE20			
Test Channel	5500MHz(Worst case)	Polarity:	Vertical



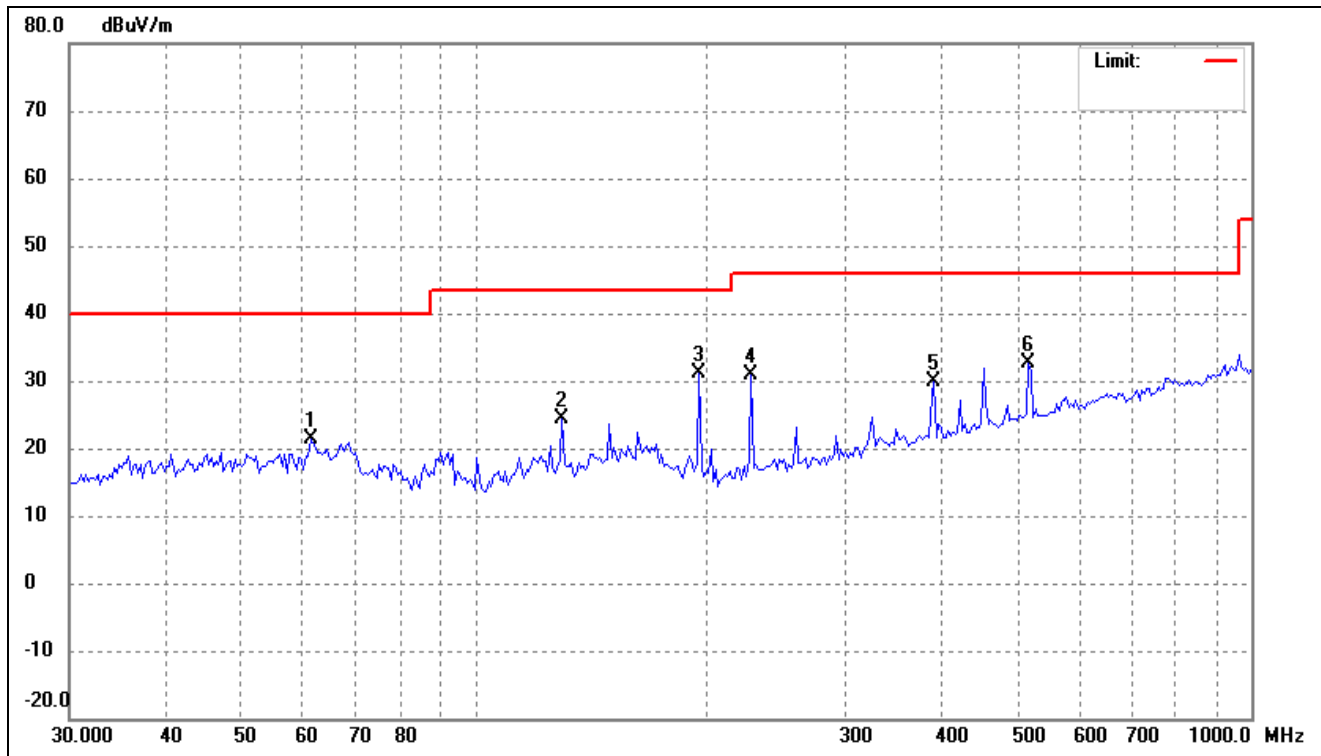
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	30.74	-9.20	21.54	40.00	-18.46	-	-	peak
2	129.3923	35.31	-9.89	25.42	43.50	-18.08	-	-	peak
3	194.4985	42.35	-11.67	30.68	43.50	-12.82	-	-	peak
4	227.0164	42.94	-11.76	31.18	46.00	-14.82	-	-	peak
5	452.0013	37.29	-4.56	32.73	46.00	-13.27	-	-	peak
6	919.1315	30.98	1.59	32.57	46.00	-13.43	-	-	peak

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



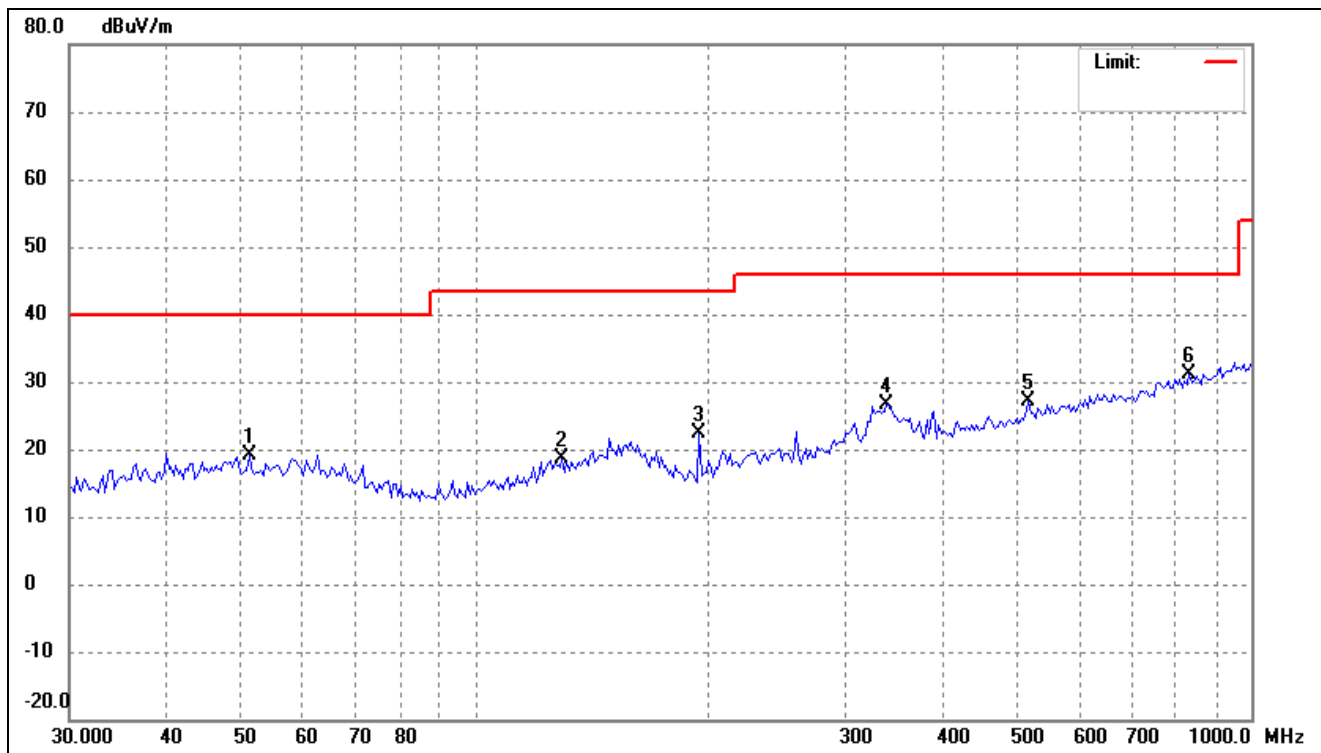
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	48.3780	26.57	-8.21	18.36	40.00	-21.64	-	-	peak
2	70.2096	28.51	-10.81	17.70	40.00	-22.30	-	-	peak
3	149.9676	30.42	-8.59	21.83	43.50	-21.67	-	-	peak
4	194.4985	34.21	-11.67	22.54	43.50	-20.96	-	-	peak
5	338.8546	34.10	-7.31	26.79	46.00	-19.21	-	-	peak
6	651.3831	30.47	-1.30	29.17	46.00	-16.83	-	-	peak

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



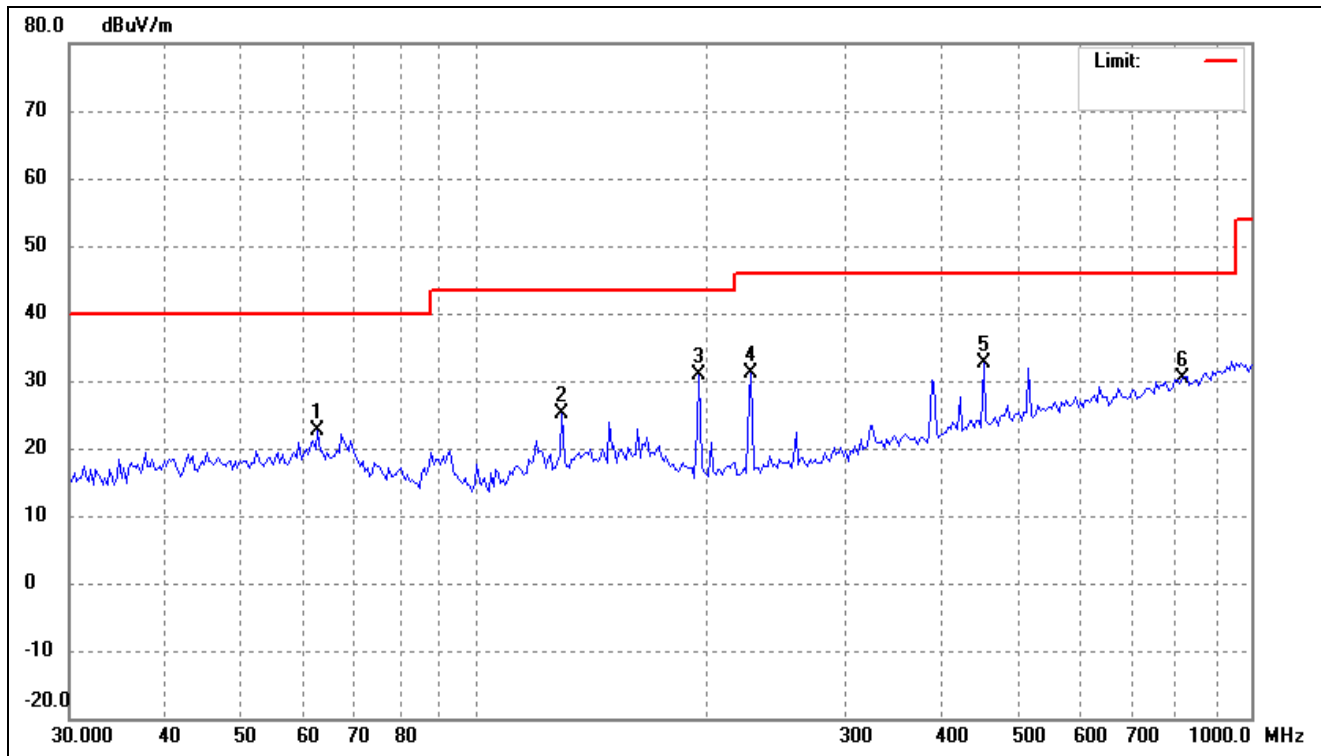
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	30.68	-9.20	21.48	40.00	-18.52	-	-	peak
2	129.3923	34.24	-9.89	24.35	43.50	-19.15	-	-	peak
3	194.4985	42.86	-11.67	31.19	43.50	-12.31	-	-	peak
4	227.0164	42.53	-11.76	30.77	46.00	-15.23	-	-	peak
5	389.9874	36.04	-6.16	29.88	46.00	-16.12	-	-	peak
6	516.5651	36.17	-3.65	32.52	46.00	-13.48	-	-	peak

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



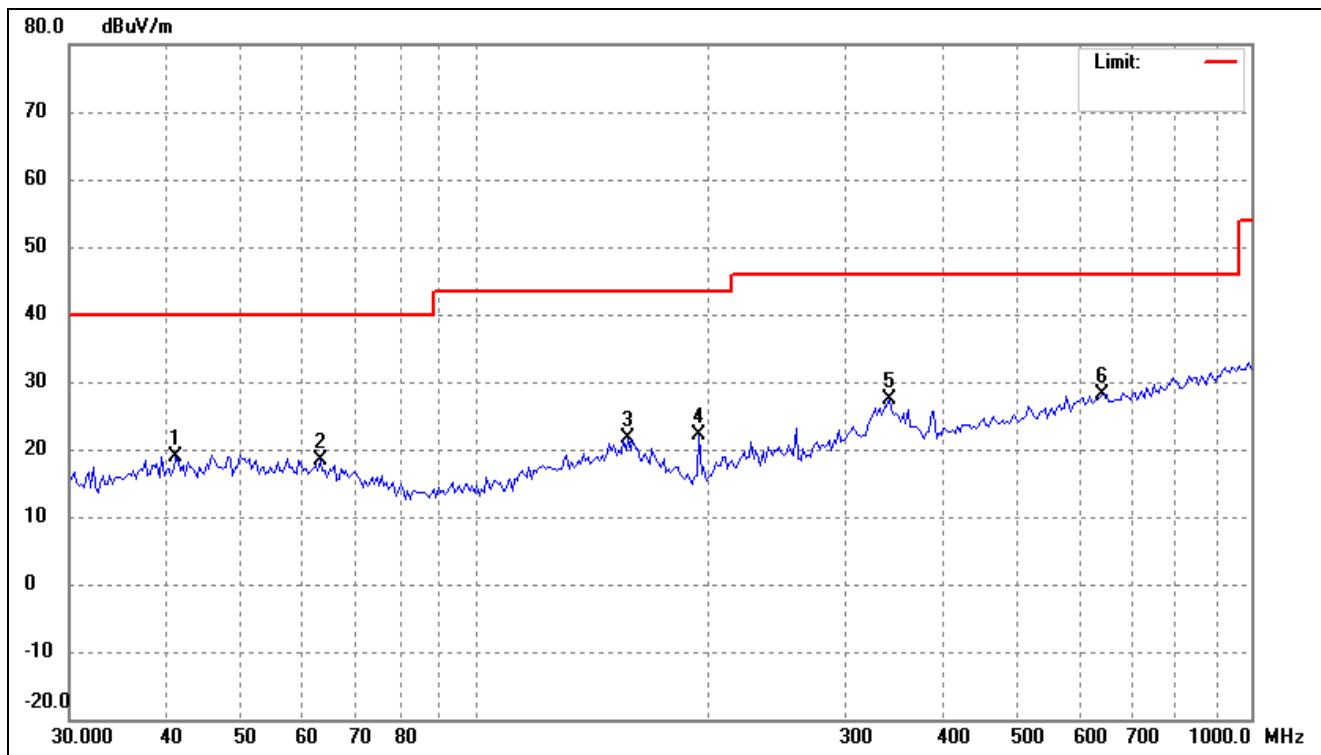
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	51.1756	27.42	-8.22	19.20	40.00	-20.80	-	-	peak
2	129.3923	28.41	-9.89	18.52	43.50	-24.98	-	-	peak
3	194.4985	34.11	-11.67	22.44	43.50	-21.06	-	-	peak
4	338.8546	33.99	-7.31	26.68	46.00	-19.32	-	-	peak
5	516.5651	30.90	-3.65	27.25	46.00	-18.75	-	-	peak
6	833.0127	30.49	0.59	31.08	46.00	-14.92	-	-	peak

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



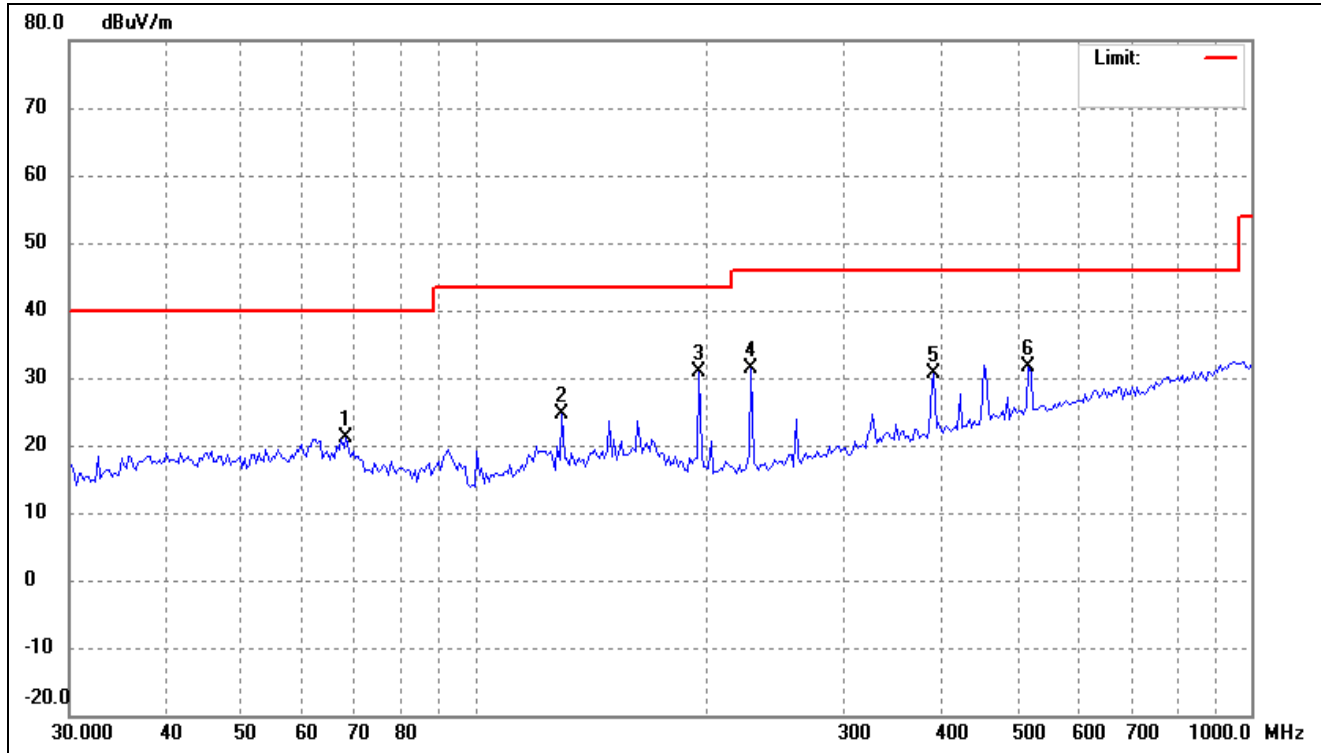
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	62.7432	32.10	-9.44	22.66	40.00	-17.34	-	-	peak
2	129.3923	34.98	-9.89	25.09	43.50	-18.41	-	-	peak
3	194.4985	42.59	-11.67	30.92	43.50	-12.58	-	-	peak
4	227.0164	42.84	-11.76	31.08	46.00	-14.92	-	-	peak
5	452.0013	37.23	-4.56	32.67	46.00	-13.33	-	-	peak
6	815.6353	29.90	0.44	30.34	46.00	-15.66	-	-	peak

802.11ax-HE40			
Test Channel	5510MHz(worst case)	Polarity:	Horizontal



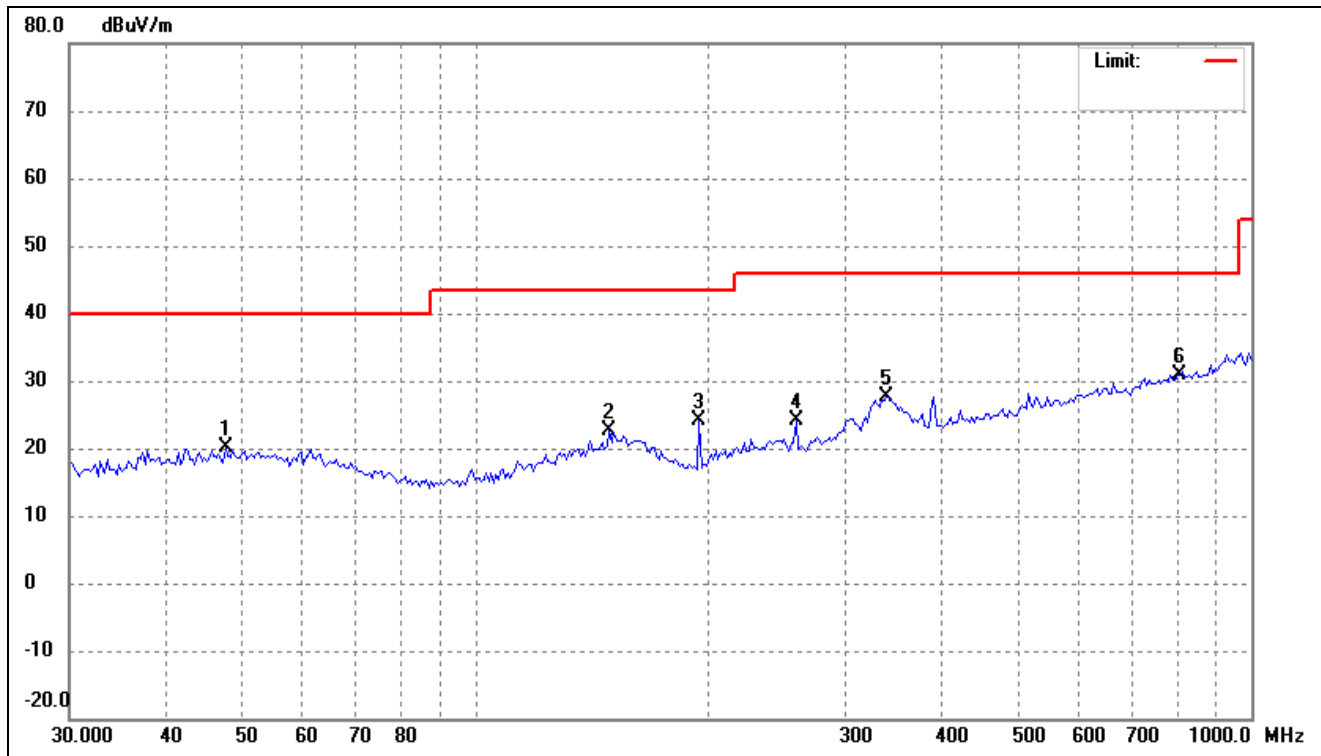
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	41.1581	27.36	-8.48	18.88	40.00	-21.12	-	-	peak
2	63.1857	27.98	-9.52	18.46	40.00	-21.54	-	-	peak
3	157.5290	30.14	-8.61	21.53	43.50	-21.97	-	-	peak
4	194.4985	33.69	-11.67	22.02	43.50	-21.48	-	-	peak
5	341.2442	34.66	-7.26	27.40	46.00	-18.60	-	-	peak
6	642.2923	29.48	-1.33	28.15	46.00	-17.85	-	-	peak

802.11ax-HE40			
Test Channel	5510MHz(worst case)	Polarity:	Vertical



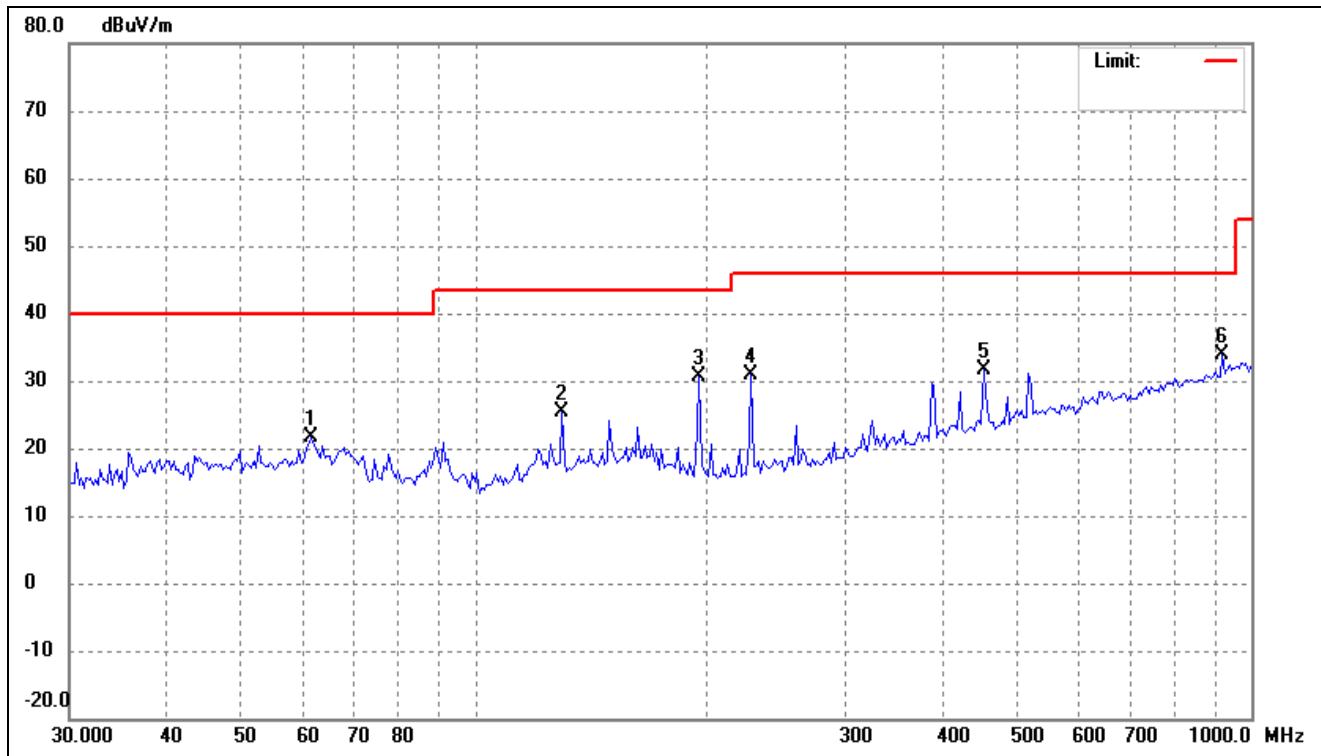
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.2636	31.52	-10.45	21.07	40.00	-18.93	-	-	peak
2	129.3923	34.52	-9.89	24.63	43.50	-18.87	-	-	peak
3	194.4985	42.54	-11.67	30.87	43.50	-12.63	-	-	peak
4	227.0164	43.04	-11.76	31.28	46.00	-14.72	-	-	peak
5	389.9874	36.85	-6.16	30.69	46.00	-15.31	-	-	peak
6	516.5651	35.33	-3.65	31.68	46.00	-14.32	-	-	peak

802.11ac-HT80			
Test Channel	5530MHz(worst case)	Polarity:	Horizontal



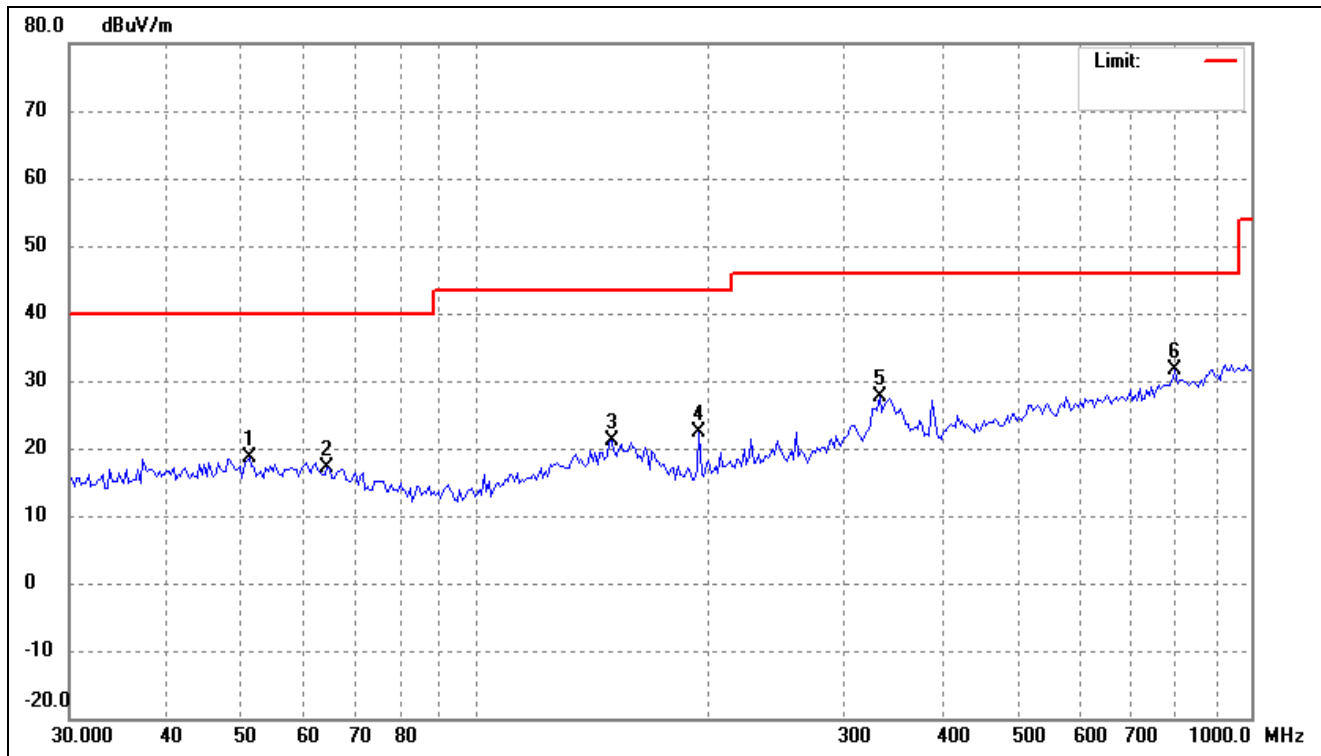
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	47.7028	28.35	-8.27	20.08	40.00	-19.92	-	-	peak
2	148.9175	31.27	-8.68	22.59	43.50	-20.91	-	-	peak
3	194.4985	35.81	-11.67	24.14	43.50	-19.36	-	-	peak
4	259.4434	34.00	-9.79	24.21	46.00	-21.79	-	-	peak
5	338.8546	35.01	-7.31	27.70	46.00	-18.30	-	-	peak
6	804.2523	30.46	0.34	30.80	46.00	-15.20	-	-	peak

802.11ac-HT80			
Test Channel	5530MHz(worst case)	Polarity:	Vertical



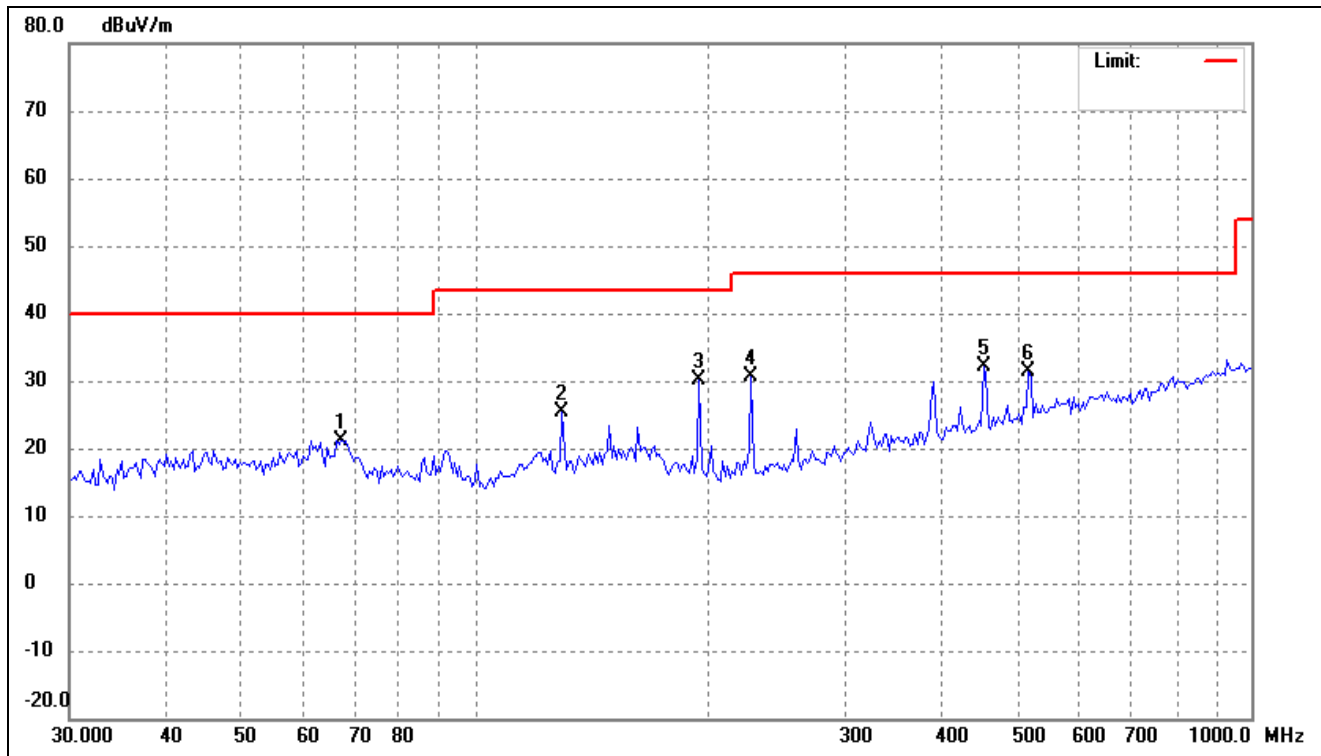
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	30.90	-9.20	21.70	40.00	-18.30	-	-	peak
2	129.3923	35.22	-9.89	25.33	43.50	-18.17	-	-	peak
3	194.4985	42.33	-11.67	30.66	43.50	-12.84	-	-	peak
4	227.0164	42.69	-11.76	30.93	46.00	-15.07	-	-	peak
5	452.0013	36.15	-4.56	31.59	46.00	-14.41	-	-	peak
6	919.1315	32.38	1.59	33.97	46.00	-12.03	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	51.1756	26.80	-8.22	18.58	40.00	-21.42	-	-	peak
2	64.5319	26.93	-9.76	17.17	40.00	-22.83	-	-	peak
3	149.9676	29.70	-8.59	21.11	43.50	-22.39	-	-	peak
4	194.4985	33.98	-11.67	22.31	43.50	-21.19	-	-	peak
5	331.7858	34.95	-7.43	27.52	46.00	-18.48	-	-	peak
6	798.6205	31.25	0.29	31.54	46.00	-14.46	-	-	peak

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

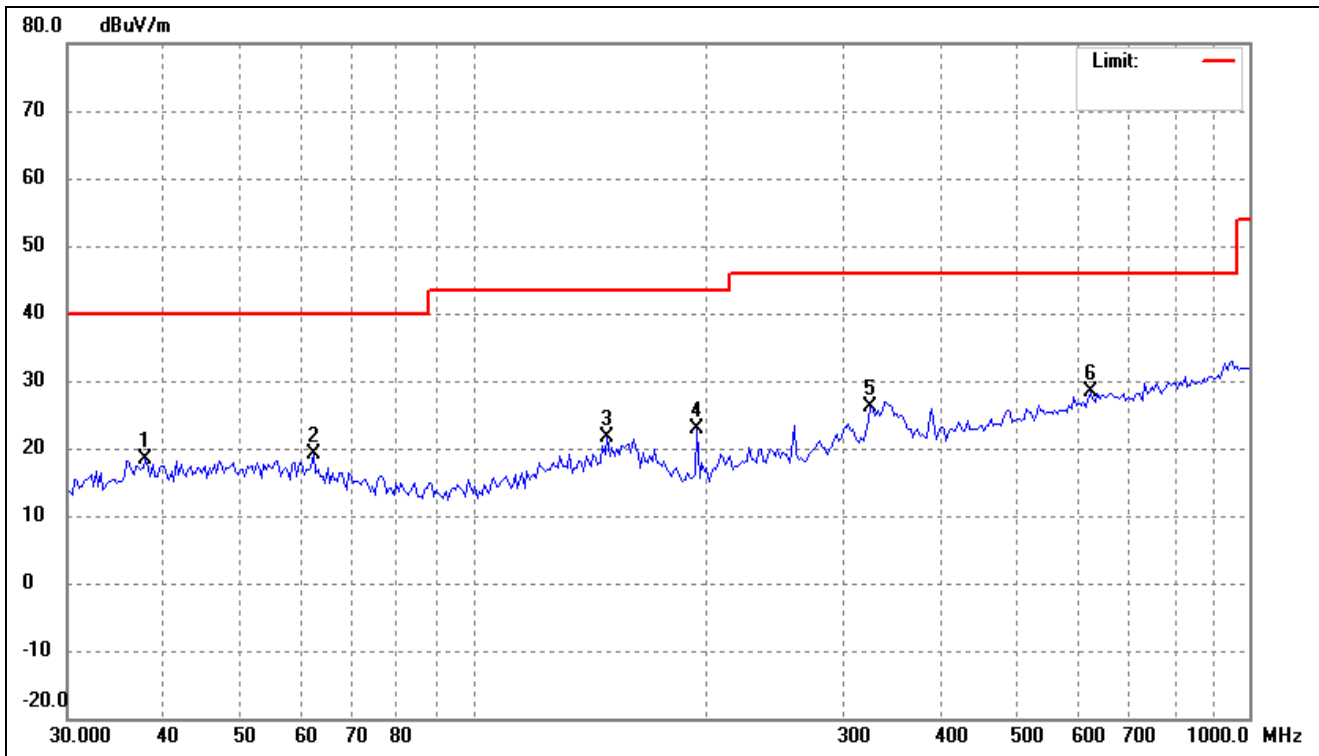


No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	67.3109	31.50	-10.27	21.23	40.00	-18.77	-	-	peak
2	129.3923	35.37	-9.89	25.48	43.50	-18.02	-	-	peak
3	194.4985	41.87	-11.67	30.20	43.50	-13.30	-	-	peak
4	227.0164	42.35	-11.76	30.59	46.00	-15.41	-	-	peak
5	452.0013	36.81	-4.56	32.25	46.00	-13.75	-	-	peak
6	516.5651	35.06	-3.65	31.41	46.00	-14.59	-	-	peak

➤ 5745-5825MHz

802.11a

Test Channel	5745MHz(Worst case)	Polarity:	Horizontal
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No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.8297	27.35	-8.94	18.41	40.00	-21.59	-	-	peak
2	62.3038	28.44	-9.35	19.09	40.00	-20.91	-	-	peak
3	148.9175	30.20	-8.68	21.52	43.50	-21.98	-	-	peak
4	194.4985	34.62	-11.67	22.95	43.50	-20.55	-	-	peak
5	324.8645	33.69	-7.55	26.14	46.00	-19.86	-	-	peak
6	624.4897	29.67	-1.41	28.26	46.00	-17.74	-	-	peak

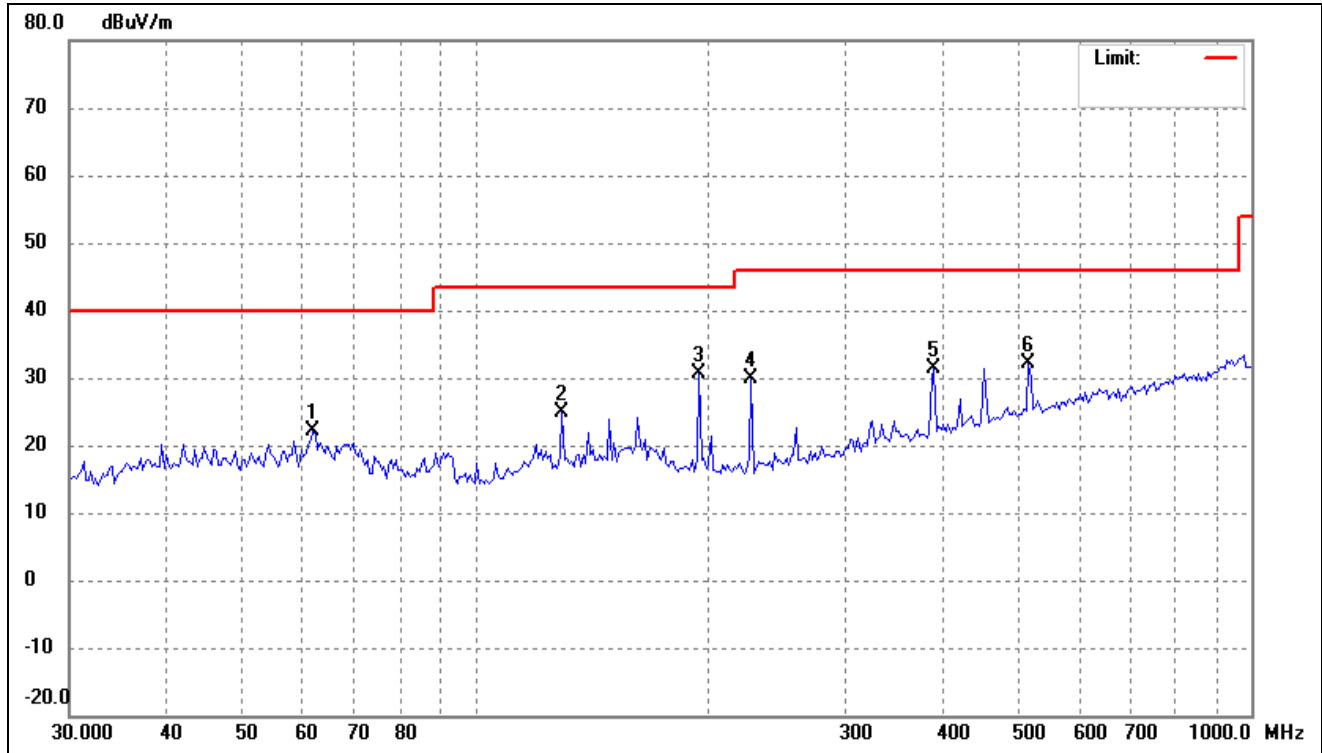
802.11a

Test Channel

5745MHz(Worst case)

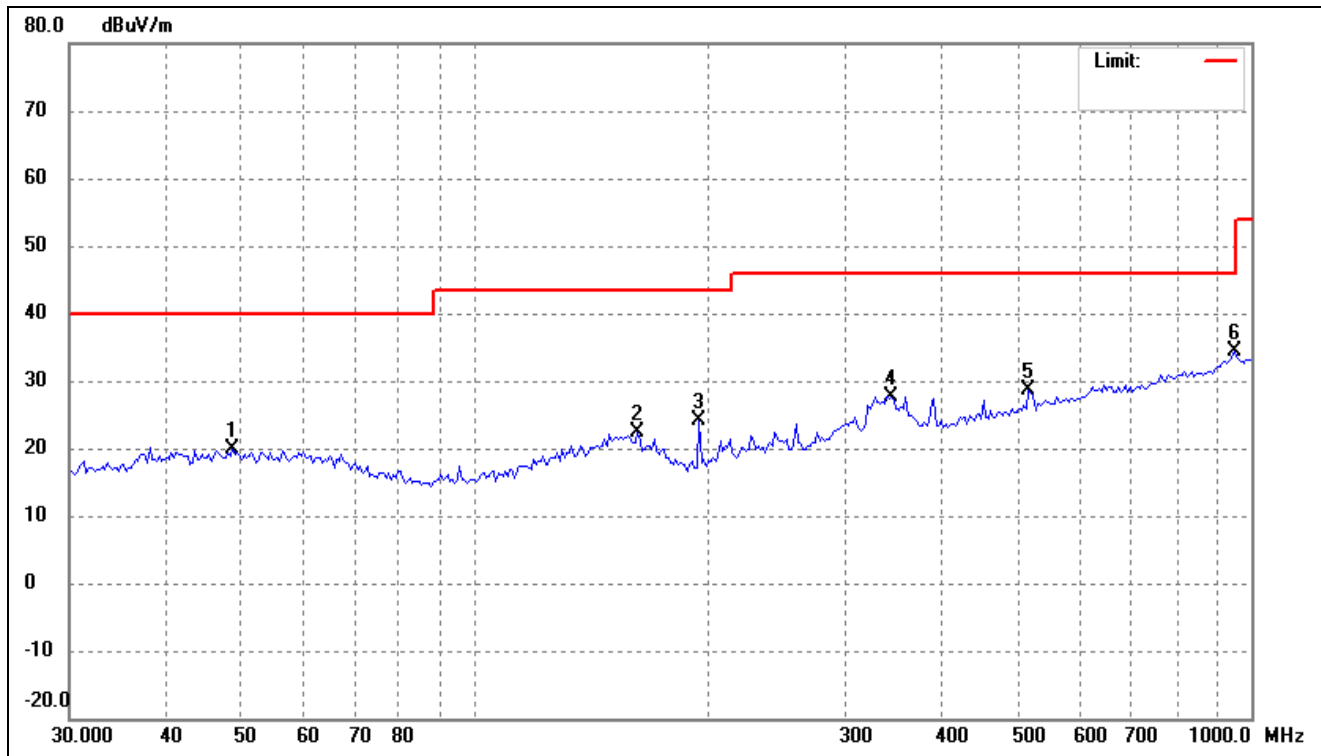
Polarity:

Vertical



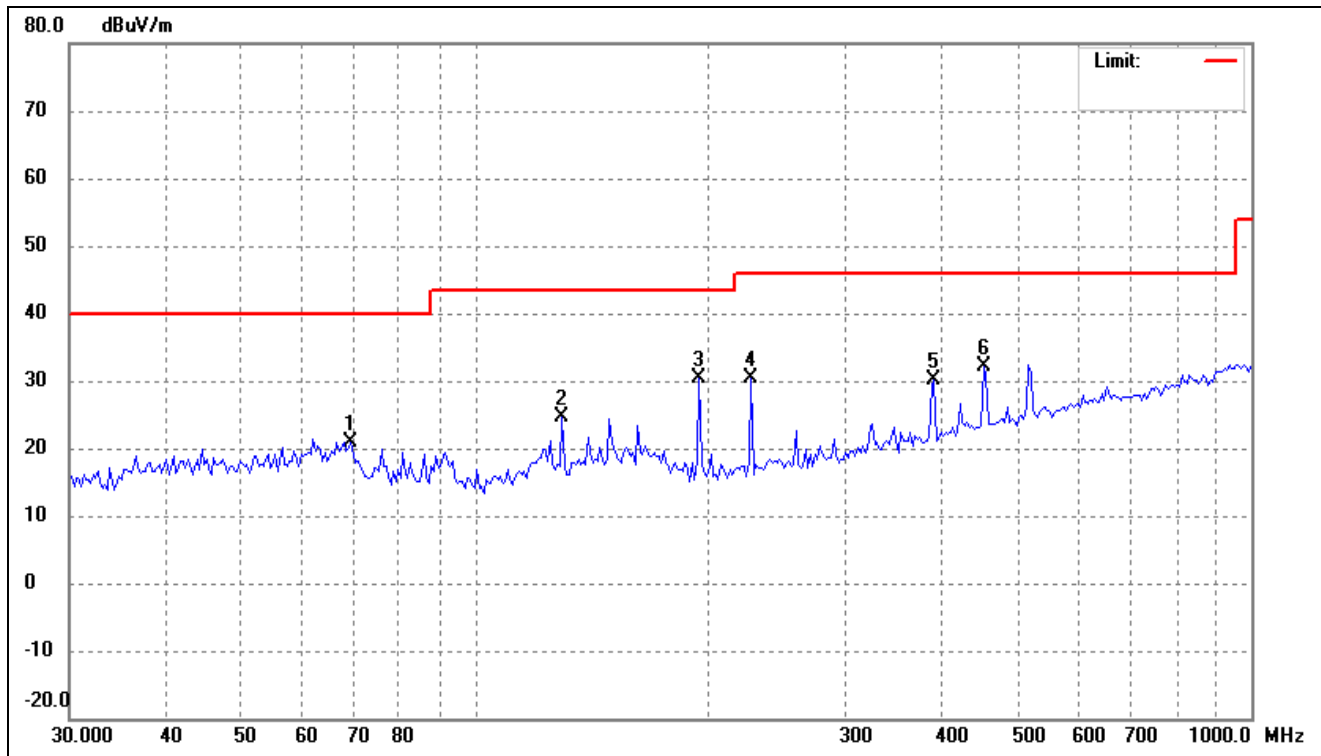
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.32	-9.28	22.04	40.00	-17.96	-	-	peak
2	129.3923	34.73	-9.89	24.84	43.50	-18.66	-	-	peak
3	194.4985	42.38	-11.67	30.71	43.50	-12.79	-	-	peak
4	227.0164	41.66	-11.76	29.90	46.00	-16.10	-	-	peak
5	389.9874	37.52	-6.16	31.36	46.00	-14.64	-	-	peak
6	516.5651	35.73	-3.65	32.08	46.00	-13.92	-	-	peak

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



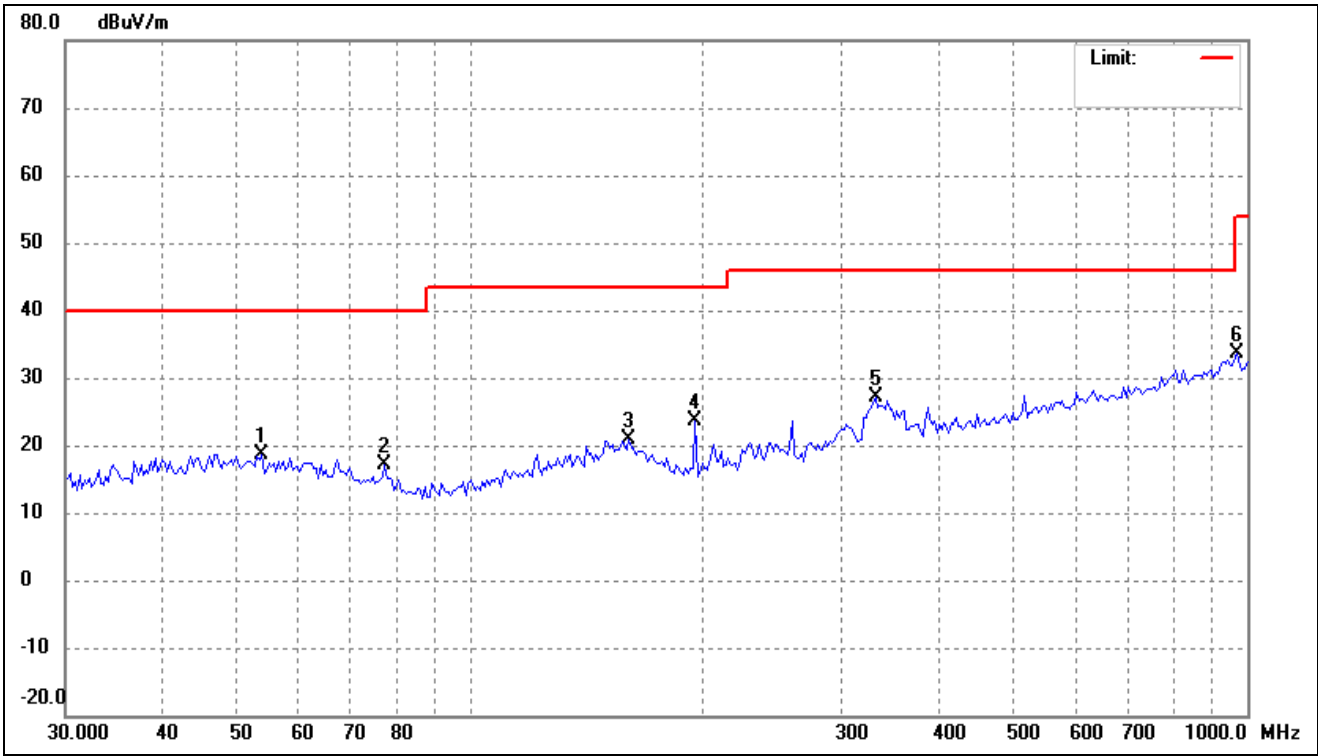
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	48.7191	28.00	-8.18	19.82	40.00	-20.18	-	-	peak
2	162.0197	31.13	-8.66	22.47	43.50	-21.03	-	-	peak
3	194.4985	35.72	-11.67	24.05	43.50	-19.45	-	-	peak
4	343.6506	34.93	-7.22	27.71	46.00	-18.29	-	-	peak
5	516.5651	32.17	-3.65	28.52	46.00	-17.48	-	-	peak
6	952.0001	32.08	2.25	34.33	46.00	-11.67	-	-	peak

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



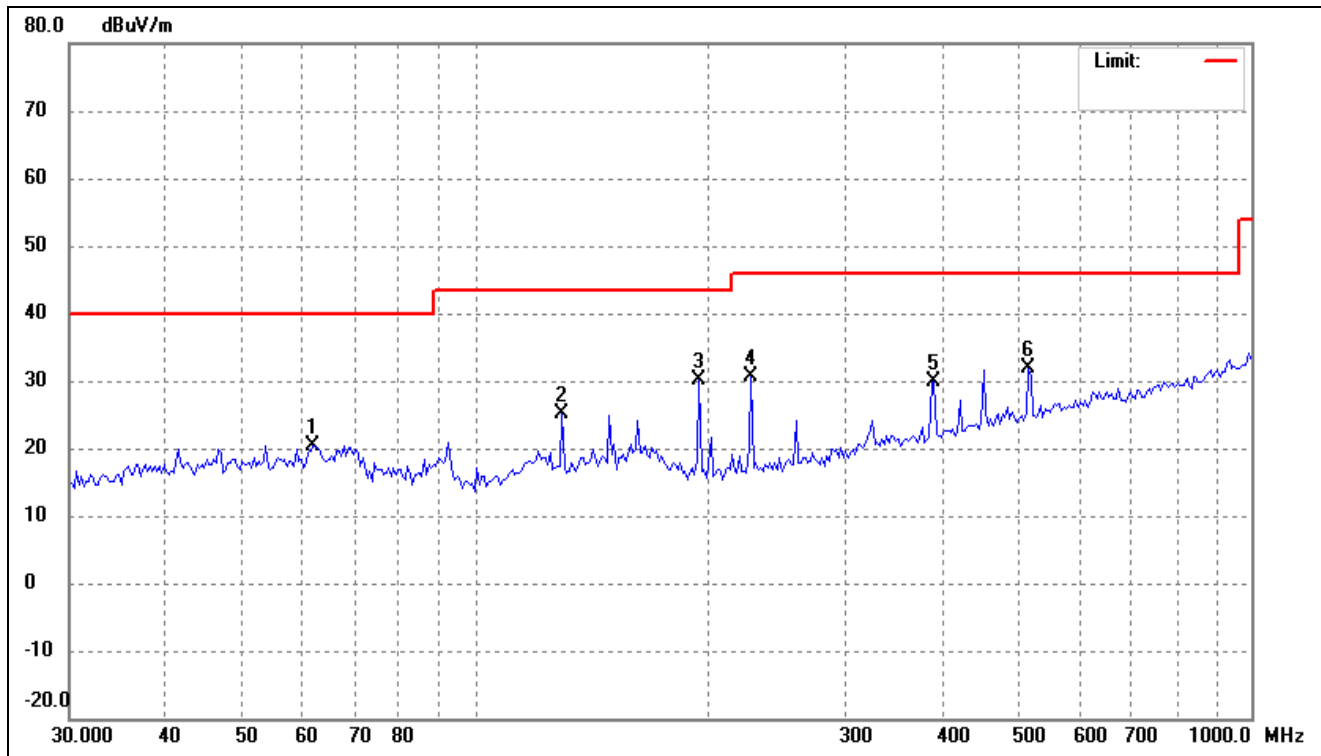
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	69.2297	31.56	-10.63	20.93	40.00	-19.07	-	-	peak
2	129.3923	34.56	-9.89	24.67	43.50	-18.83	-	-	peak
3	194.4985	41.93	-11.67	30.26	43.50	-13.24	-	-	peak
4	227.0164	42.16	-11.76	30.40	46.00	-15.60	-	-	peak
5	389.9874	36.22	-6.16	30.06	46.00	-15.94	-	-	peak
6	452.0013	36.64	-4.56	32.08	46.00	-13.92	-	-	peak

802.11ac-HT20			
Test Channel	5745MHz(Worst case)	Polarity:	Horizontal



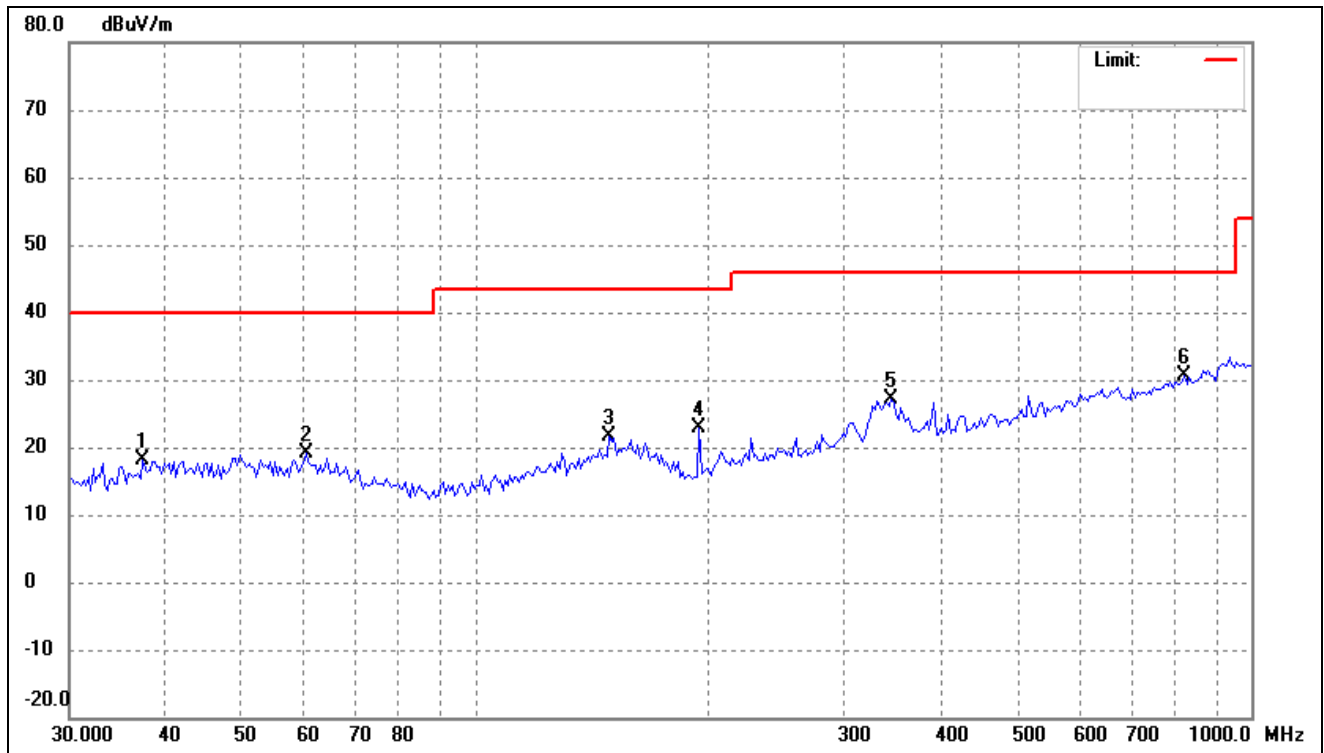
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	53.7559	27.16	-8.50	18.66	40.00	-21.34	-	-	peak
2	77.4680	29.46	-12.41	17.05	40.00	-22.95	-	-	peak
3	159.7586	29.48	-8.61	20.87	43.50	-22.63	-	-	peak
4	194.4985	35.35	-11.67	23.68	43.50	-19.82	-	-	peak
5	331.7858	34.55	-7.43	27.12	46.00	-18.88	-	-	peak
6	972.2827	31.37	2.27	33.64	54.00	-20.36	-	-	peak

802.11ac-HT20			
Test Channel	5745MHz(Worst case)	Polarity:	Vertical



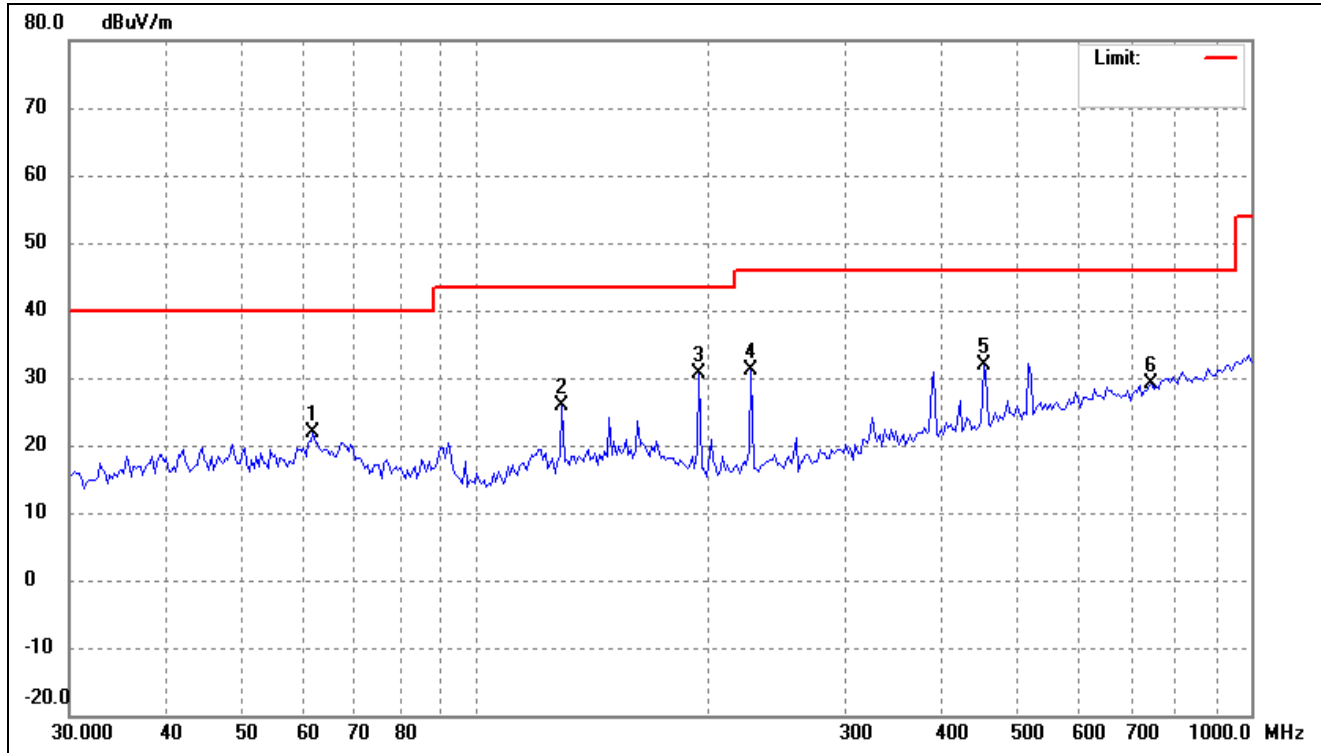
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	29.77	-9.28	20.49	40.00	-19.51	-	-	peak
2	129.3923	34.93	-9.89	25.04	43.50	-18.46	-	-	peak
3	194.4985	41.82	-11.67	30.15	43.50	-13.35	-	-	peak
4	227.0164	42.51	-11.76	30.75	46.00	-15.25	-	-	peak
5	389.9874	36.13	-6.16	29.97	46.00	-16.03	-	-	peak
6	516.5651	35.50	-3.65	31.85	46.00	-14.15	-	-	peak

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



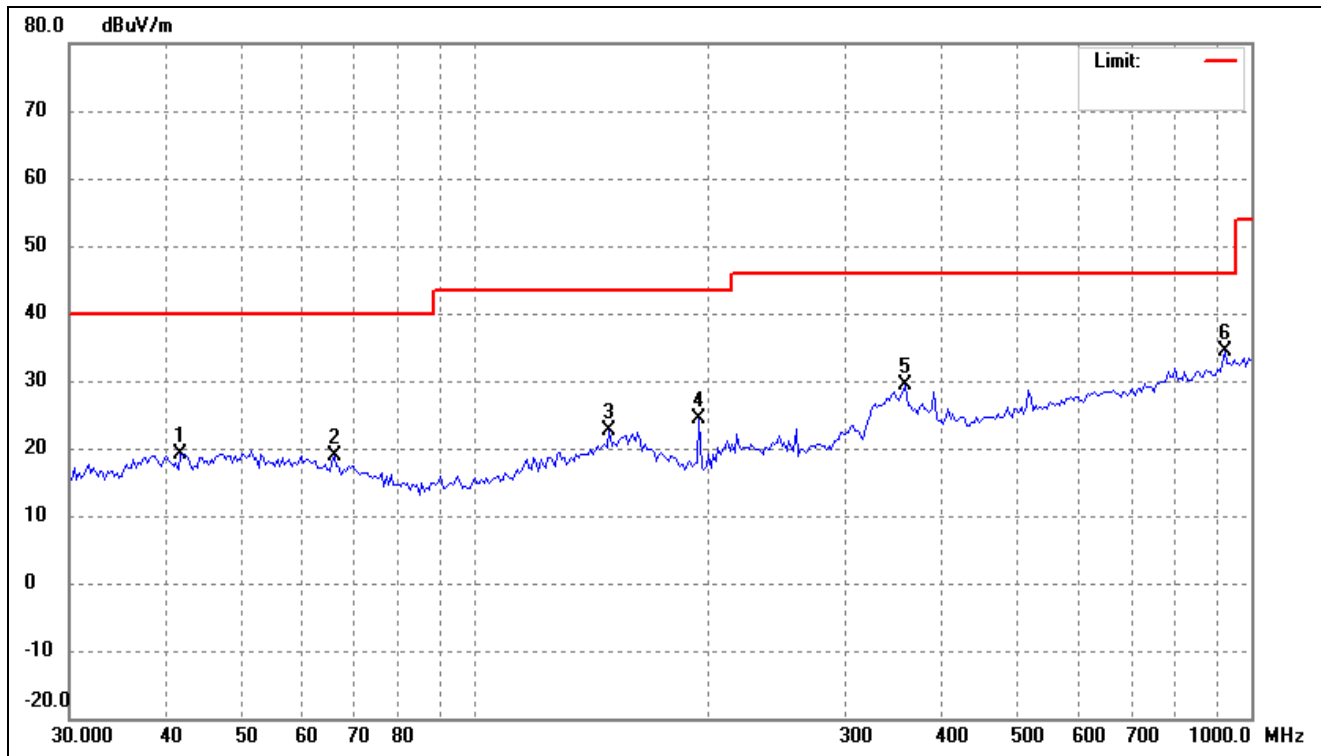
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.3017	27.10	-9.06	18.04	40.00	-21.96	-	-	peak
2	60.5769	28.28	-9.04	19.24	40.00	-20.76	-	-	peak
3	148.9175	30.28	-8.68	21.60	43.50	-21.90	-	-	peak
4	194.4985	34.60	-11.67	22.93	43.50	-20.57	-	-	peak
5	343.6506	34.32	-7.22	27.10	46.00	-18.90	-	-	peak
6	821.3871	30.17	0.49	30.66	46.00	-15.34	-	-	peak

802.11ax-HE20			
Test Channel	5745MHz(Worst case)	Polarity:	Vertical



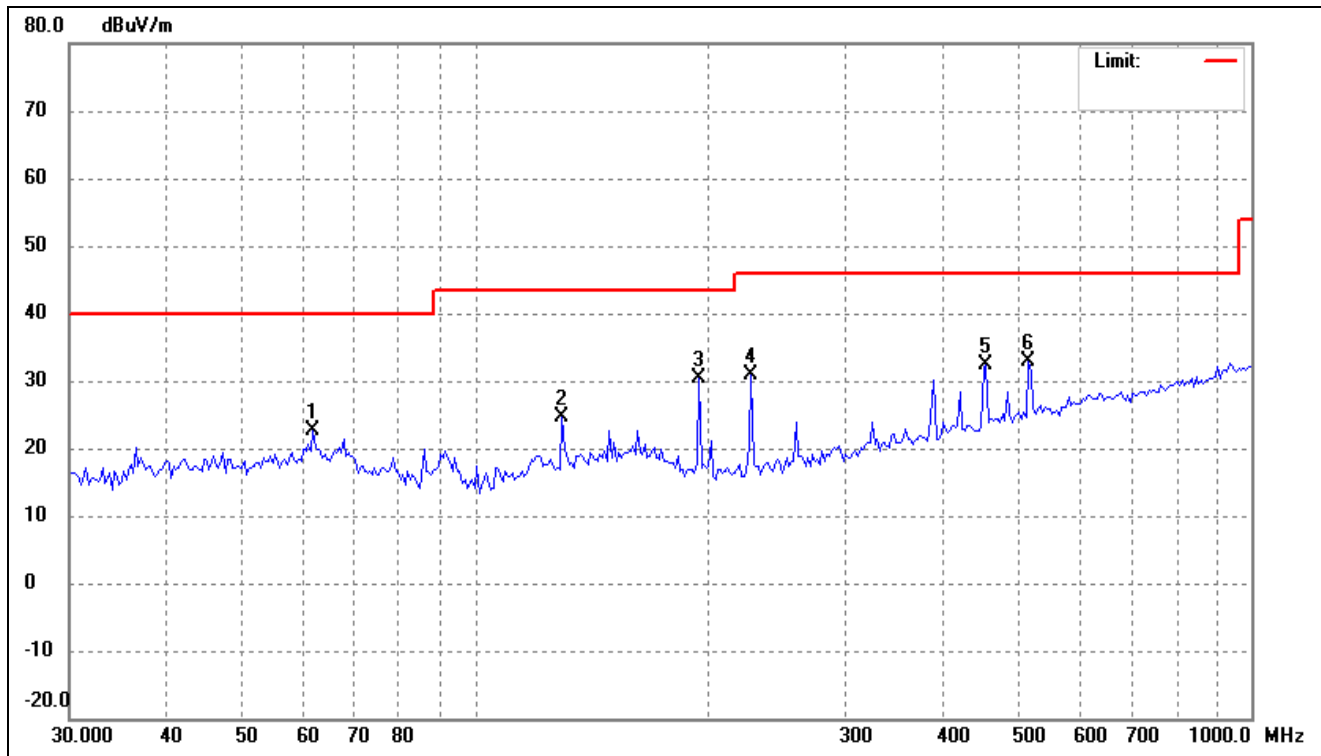
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.04	-9.28	21.76	40.00	-18.24	-	-	peak
2	129.3923	35.80	-9.89	25.91	43.50	-17.59	-	-	peak
3	194.4985	42.32	-11.67	30.65	43.50	-12.85	-	-	peak
4	227.0164	42.93	-11.76	31.17	46.00	-14.83	-	-	peak
5	452.0013	36.38	-4.56	31.82	46.00	-14.18	-	-	peak
6	744.4265	29.46	-0.27	29.19	46.00	-16.81	-	-	peak

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



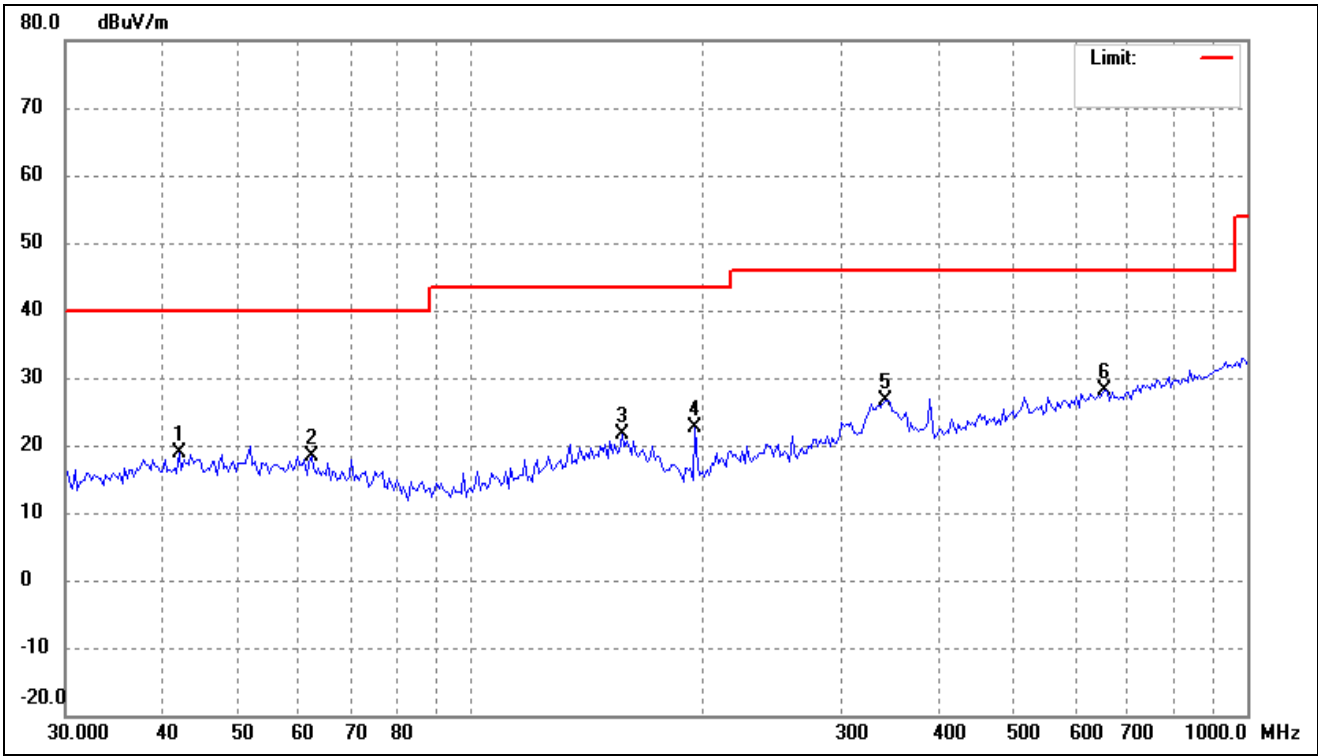
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	41.7406	27.65	-8.47	19.18	40.00	-20.82	-	-	peak
2	65.9067	28.98	-10.02	18.96	40.00	-21.04	-	-	peak
3	148.9175	31.30	-8.68	22.62	43.50	-20.88	-	-	peak
4	194.4985	36.11	-11.67	24.44	43.50	-19.06	-	-	peak
5	358.4497	36.28	-6.89	29.39	46.00	-16.61	-	-	peak
6	925.6132	32.67	1.74	34.41	46.00	-11.59	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.8676	31.93	-9.28	22.65	40.00	-17.35	-	-	peak
2	129.3923	34.53	-9.89	24.64	43.50	-18.86	-	-	peak
3	194.4985	42.04	-11.67	30.37	43.50	-13.13	-	-	peak
4	227.0164	42.67	-11.76	30.91	46.00	-15.09	-	-	peak
5	455.1888	36.79	-4.52	32.27	46.00	-13.73	-	-	peak
6	516.5651	36.44	-3.65	32.79	46.00	-13.21	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	42.0350	27.24	-8.47	18.77	40.00	-21.23	-	-	peak
2	62.3038	27.81	-9.35	18.46	40.00	-21.54	-	-	peak
3	156.4259	30.18	-8.60	21.58	43.50	-21.92	-	-	peak
4	194.4985	34.37	-11.67	22.70	43.50	-20.80	-	-	peak
5	341.2442	33.94	-7.26	26.68	46.00	-19.32	-	-	peak
6	655.9766	29.33	-1.30	28.03	46.00	-17.97	-	-	peak

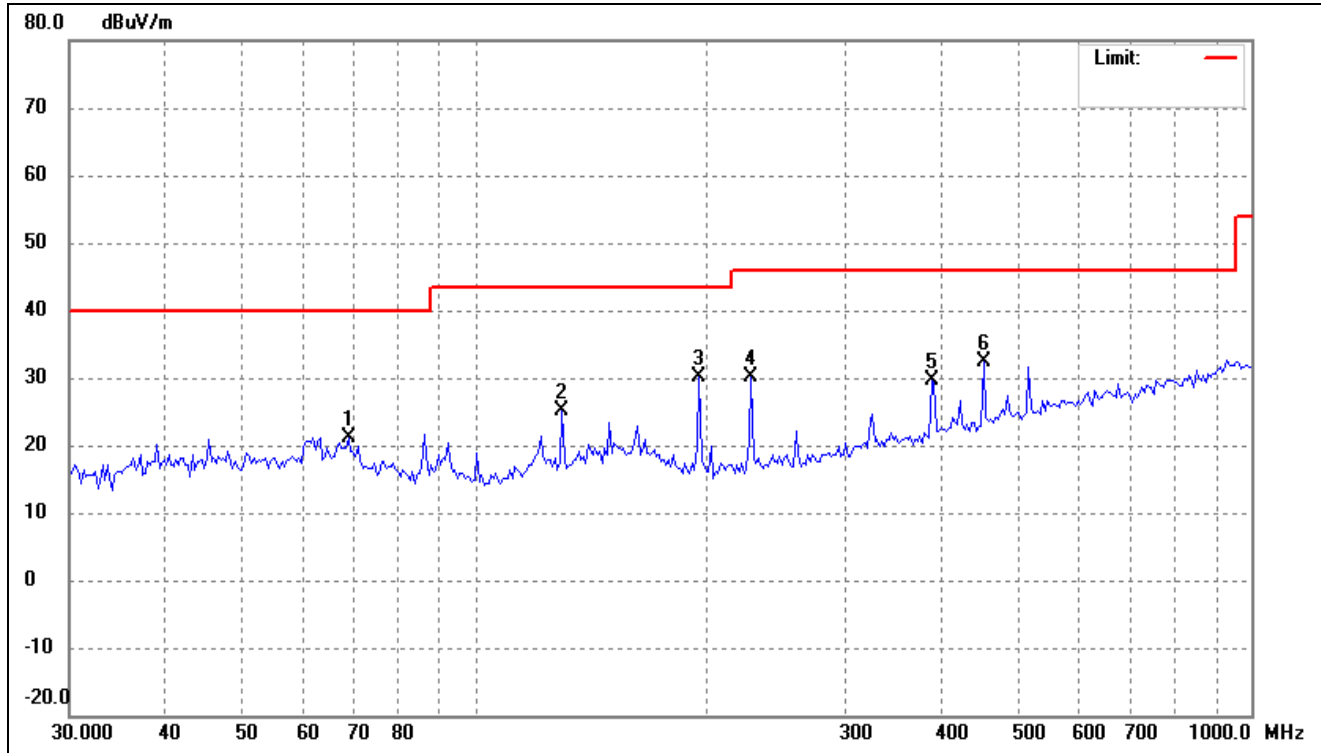
802.11ac-HT40

Test Channel

5755MHz(worst case)

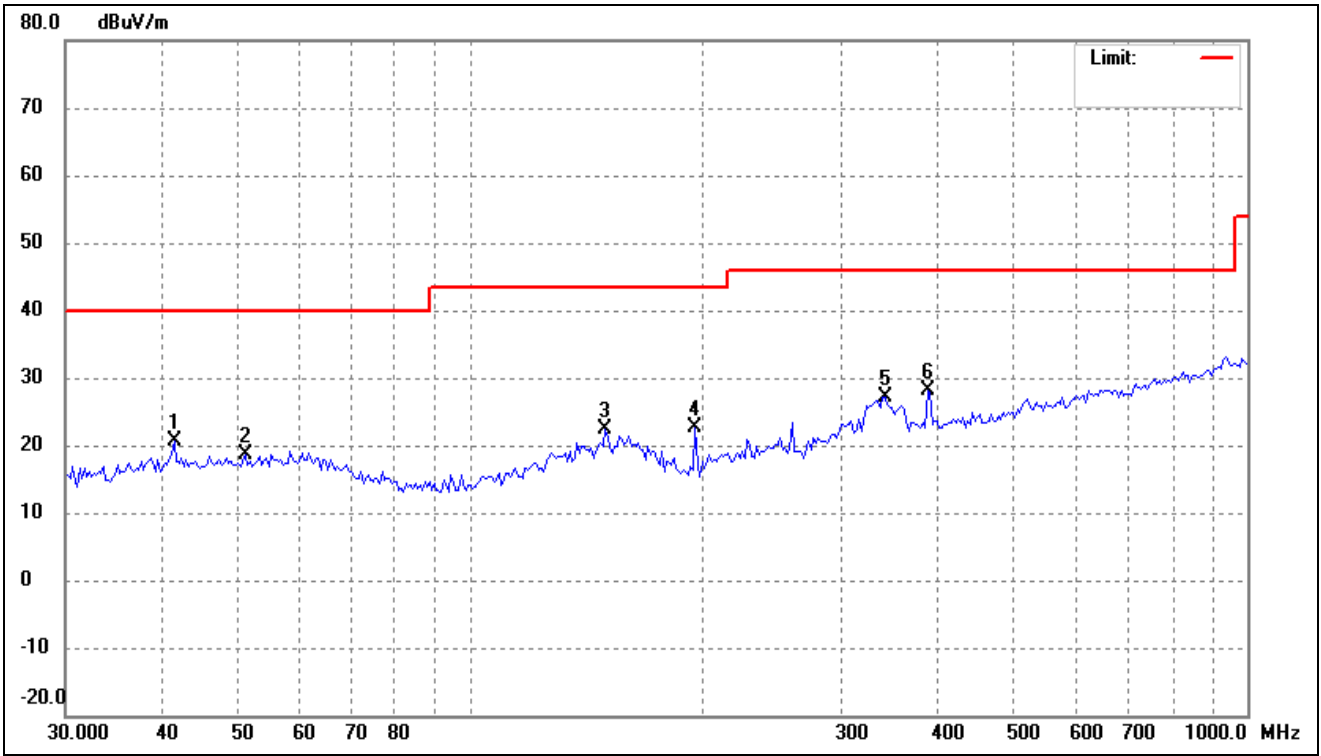
Polarity:

Vertical



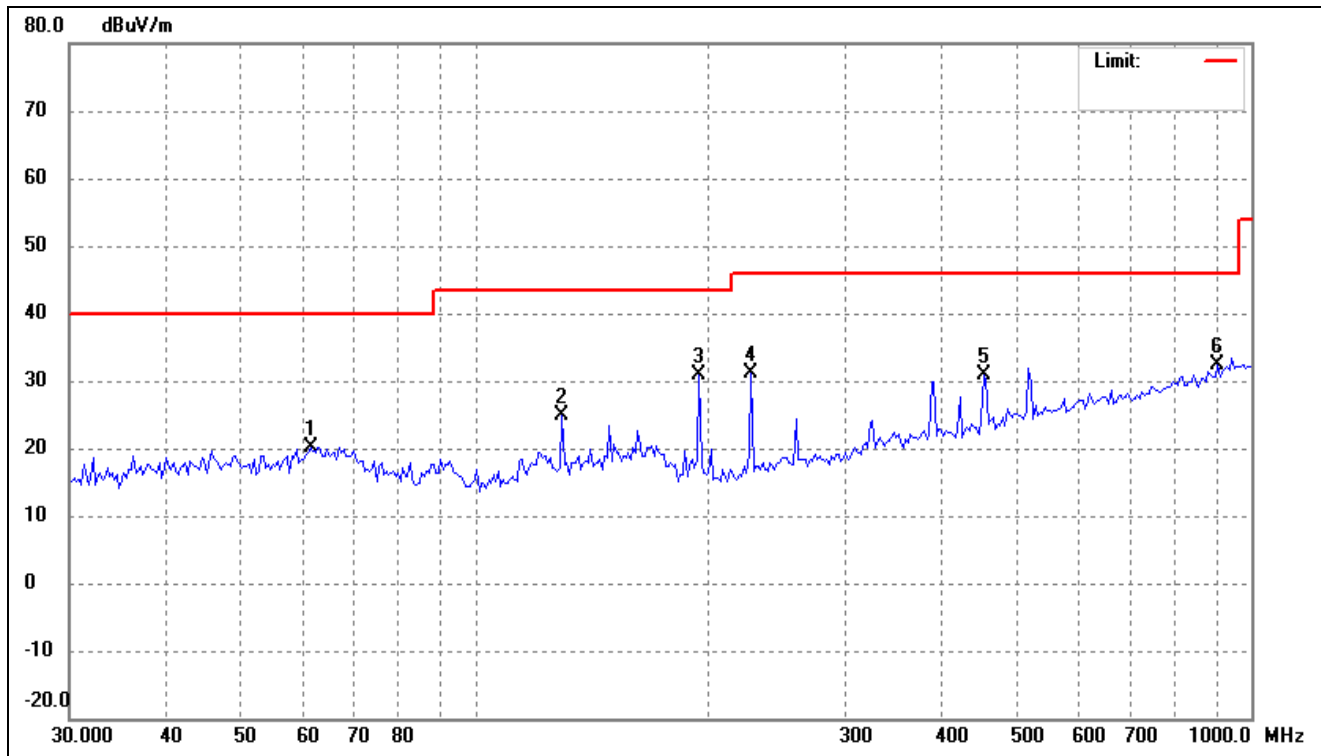
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	68.7450	31.69	-10.54	21.15	40.00	-18.85	-	-	peak
2	129.3923	35.01	-9.89	25.12	43.50	-18.38	-	-	peak
3	194.4985	41.84	-11.67	30.17	43.50	-13.33	-	-	peak
4	227.0164	42.00	-11.76	30.24	46.00	-15.76	-	-	peak
5	387.2565	35.97	-6.22	29.75	46.00	-16.25	-	-	peak
6	452.0013	36.87	-4.56	32.31	46.00	-13.69	-	-	peak

802.11ax-HE40			
Test Channel	5755MHz(worst case)	Polarity:	Horizontal



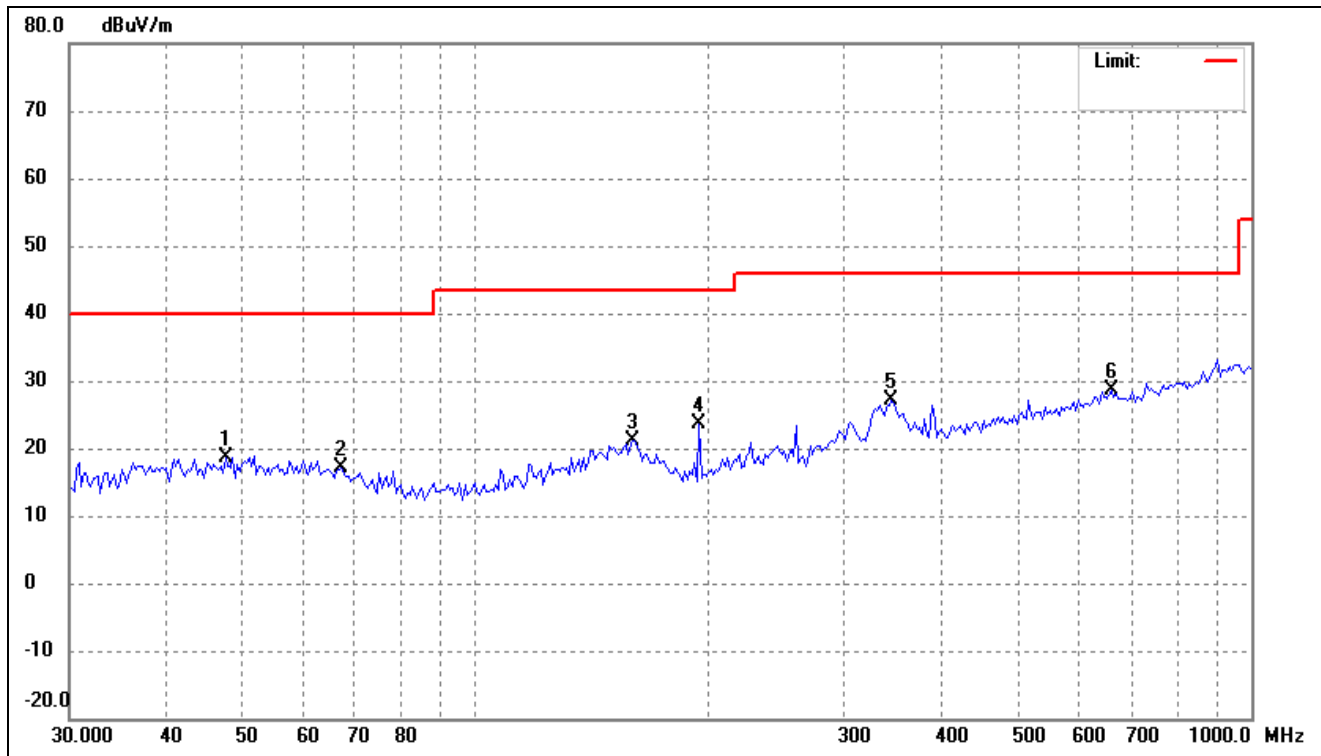
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	41.4483	29.13	-8.48	20.65	40.00	-19.35	-	-	peak
2	51.1756	26.96	-8.22	18.74	40.00	-21.26	-	-	peak
3	148.9175	31.08	-8.68	22.40	43.50	-21.10	-	-	peak
4	194.4985	34.29	-11.67	22.62	43.50	-20.88	-	-	peak
5	341.2442	34.40	-7.26	27.14	46.00	-18.86	-	-	peak
6	387.2565	34.34	-6.22	28.12	46.00	-17.88	-	-	peak

802.11ax-HE40			
Test Channel	5755MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	29.36	-9.20	20.16	40.00	-19.84	-	-	peak
2	129.3923	34.66	-9.89	24.77	43.50	-18.73	-	-	peak
3	194.4985	42.67	-11.67	31.00	43.50	-12.50	-	-	peak
4	227.0164	42.91	-11.76	31.15	46.00	-14.85	-	-	peak
5	452.0013	35.46	-4.56	30.90	46.00	-15.10	-	-	peak
6	906.3041	31.02	1.32	32.34	46.00	-13.66	-	-	peak

802.11ac-HT80			
Test Channel	5775MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	47.7028	26.78	-8.27	18.51	40.00	-21.49	-	-	peak
2	67.3109	27.44	-10.27	17.17	40.00	-22.83	-	-	peak
3	159.7586	29.68	-8.61	21.07	43.50	-22.43	-	-	peak
4	194.4985	35.24	-11.67	23.57	43.50	-19.93	-	-	peak
5	343.6506	34.26	-7.22	27.04	46.00	-18.96	-	-	peak
6	660.6025	30.00	-1.28	28.72	46.00	-17.28	-	-	peak

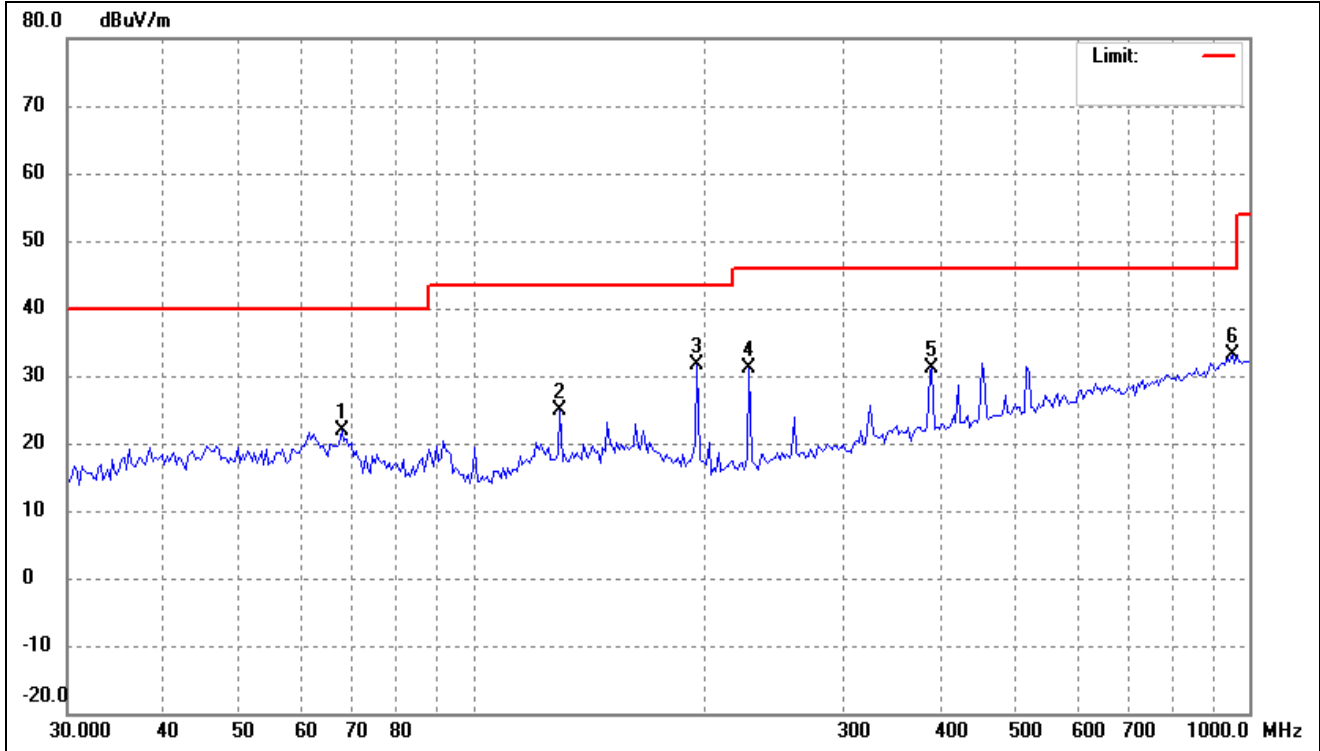
802.11ac-HT80

Test Channel

5775MHz(worst case)

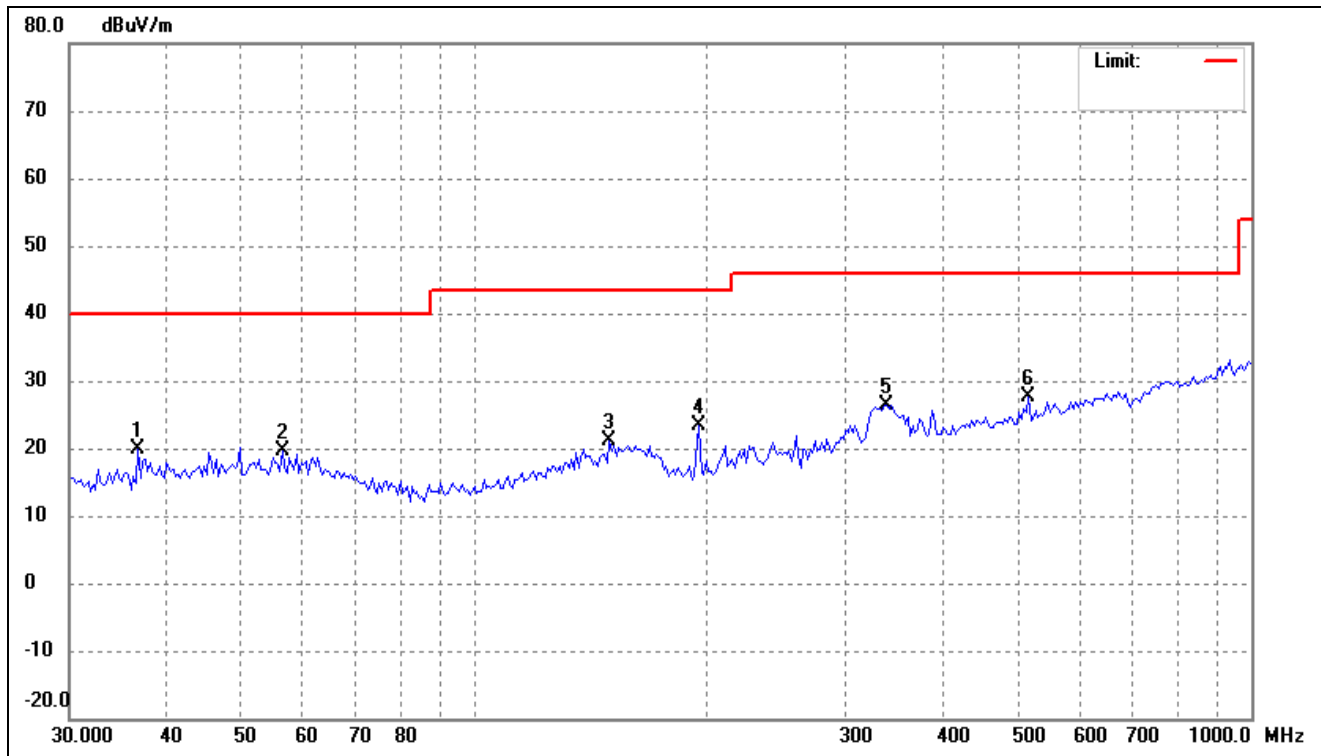
Polarity:

Vertical



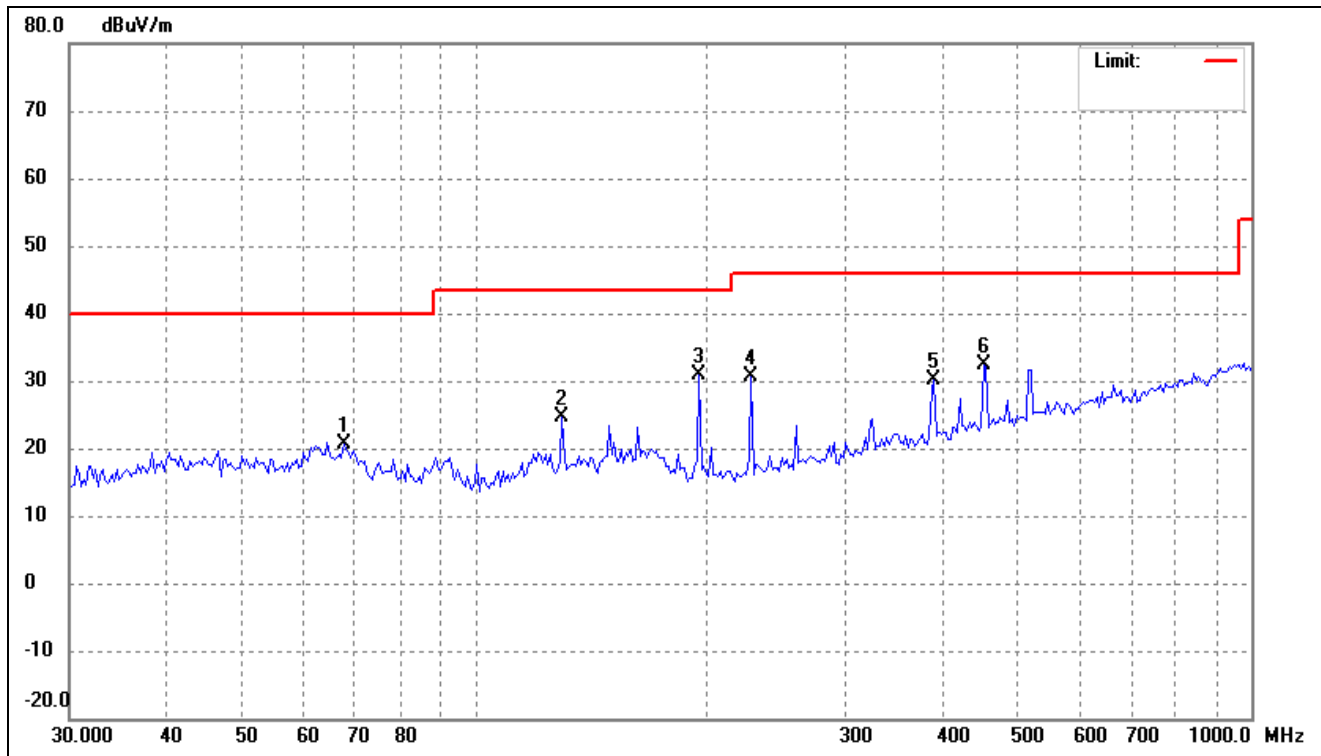
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	67.7856	32.17	-10.36	21.81	40.00	-18.19	-	-	peak
2	129.3923	34.77	-9.89	24.88	43.50	-18.62	-	-	peak
3	194.4985	43.25	-11.67	31.58	43.50	-11.92	-	-	peak
4	227.0164	42.86	-11.76	31.10	46.00	-14.90	-	-	peak
5	389.9874	37.29	-6.16	31.13	46.00	-14.87	-	-	peak
6	952.0001	30.88	2.25	33.13	46.00	-12.87	-	-	peak

802.11ax-HE80			
Test Channel	5775MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	36.7811	28.94	-9.17	19.77	40.00	-20.23	-	-	peak
2	56.4662	28.26	-8.72	19.54	40.00	-20.46	-	-	peak
3	148.9175	29.72	-8.68	21.04	43.50	-22.46	-	-	peak
4	194.4985	35.04	-11.67	23.37	43.50	-20.13	-	-	peak
5	338.8546	33.73	-7.31	26.42	46.00	-19.58	-	-	peak
6	516.5651	31.28	-3.65	27.63	46.00	-18.37	-	-	peak

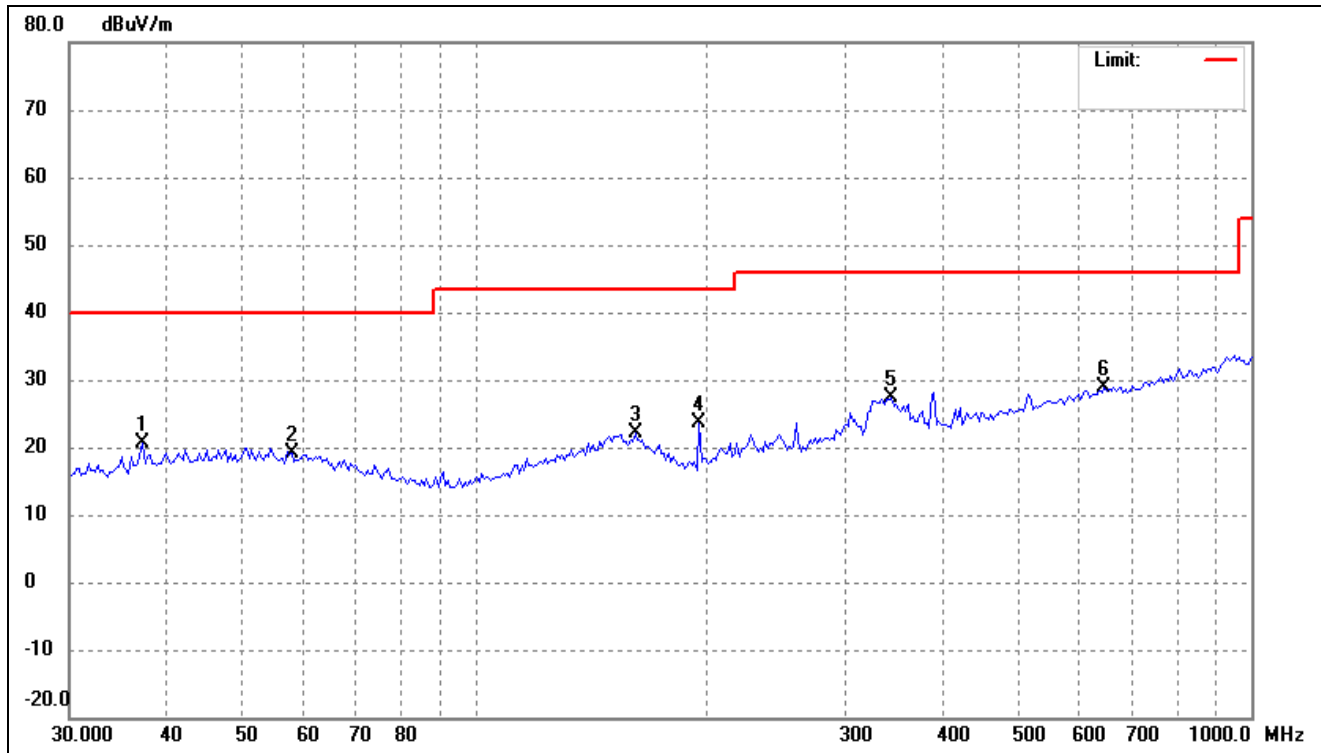
802.11ax-HE80			
Test Channel	5775MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	67.7856	31.11	-10.36	20.75	40.00	-19.25	-	-	peak
2	129.3923	34.45	-9.89	24.56	43.50	-18.94	-	-	peak
3	194.4985	42.56	-11.67	30.89	43.50	-12.61	-	-	peak
4	227.0164	42.36	-11.76	30.60	46.00	-15.40	-	-	peak
5	389.9874	36.18	-6.16	30.02	46.00	-15.98	-	-	peak
6	452.0013	36.91	-4.56	32.35	46.00	-13.65	-	-	peak

- Antenna 1
- 5150-5250MHz

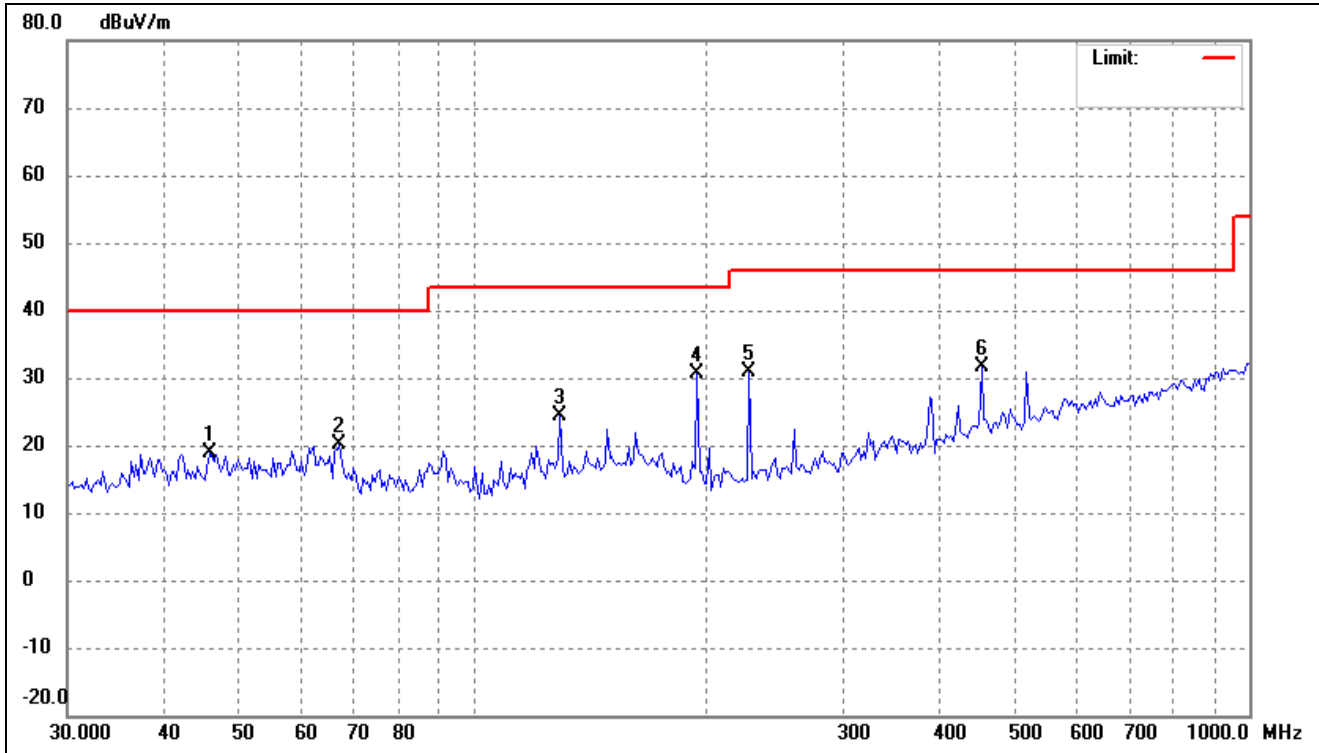
802.11a			
Test Channel	5180MHz(Worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	37.3017	29.74	-9.06	20.68	40.00	-19.32	-	-	peak
2	58.0759	27.84	-8.82	19.02	40.00	-20.98	-	-	peak
3	160.8852	30.73	-8.64	22.09	43.50	-21.41	-	-	peak
4	194.4985	35.32	-11.67	23.65	43.50	-19.85	-	-	peak
5	343.6506	34.56	-7.22	27.34	46.00	-18.66	-	-	peak
6	646.8217	30.30	-1.32	28.98	46.00	-17.02	-	-	peak

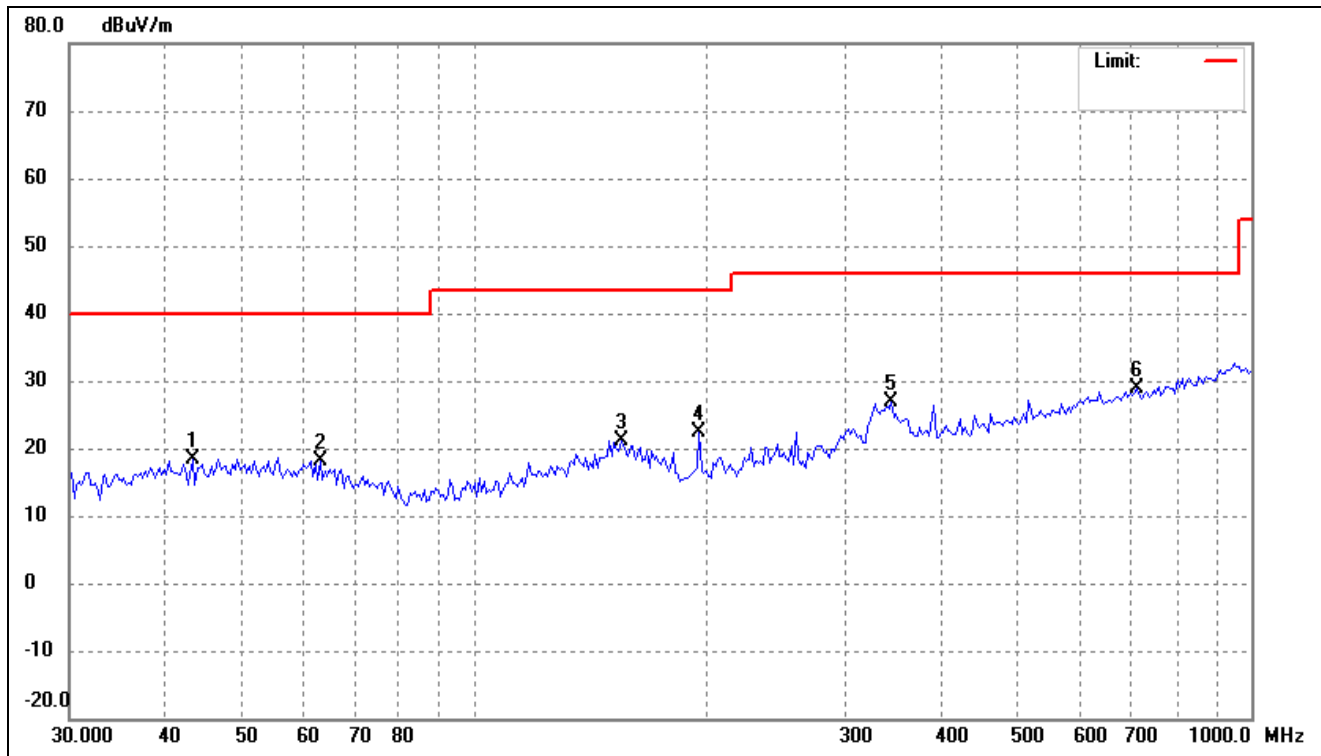
802.11a

Test Channel	5180MHz(Worst case)	Polarity:	Vertical
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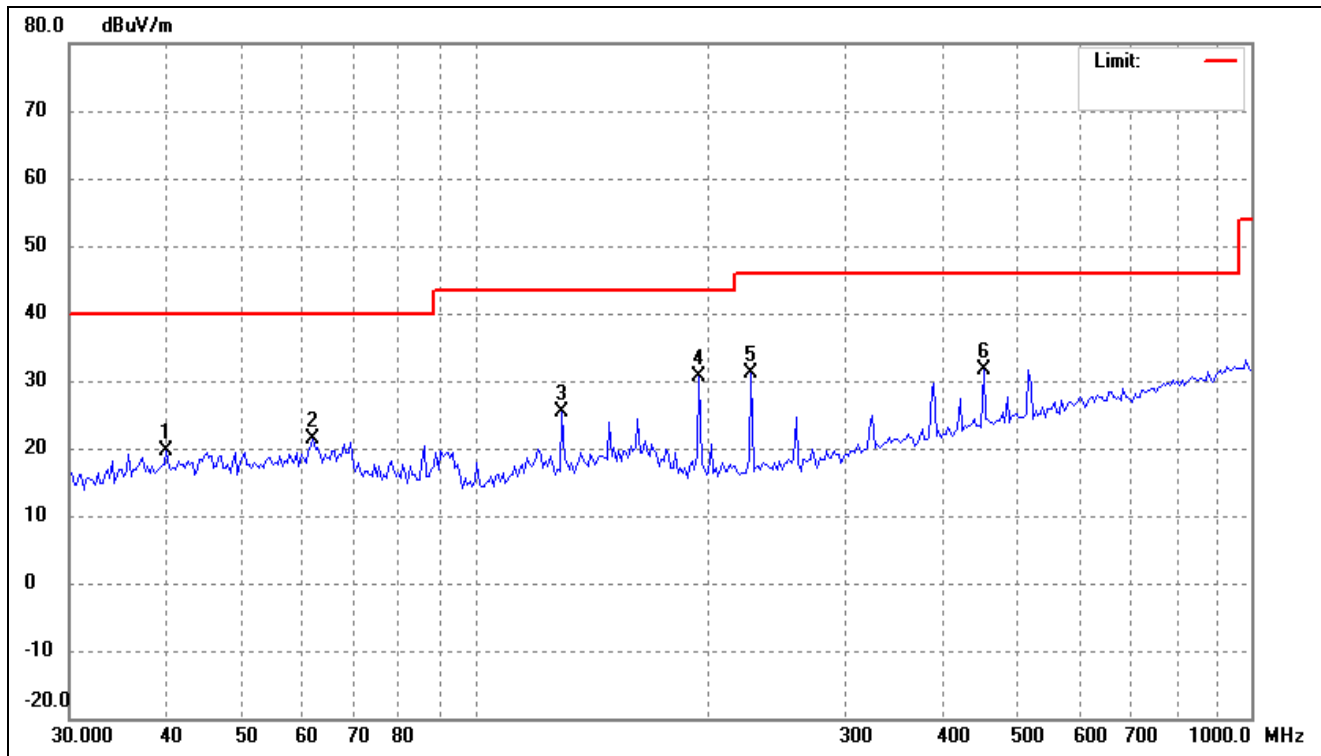
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	45.7333	27.26	-8.41	18.85	40.00	-21.15	-	-	peak
2	67.3109	30.45	-10.27	20.18	40.00	-19.82	-	-	peak
3	129.3923	34.33	-9.89	24.44	43.50	-19.06	-	-	peak
4	194.4985	42.28	-11.67	30.61	43.50	-12.89	-	-	peak
5	227.0164	42.72	-11.76	30.96	46.00	-15.04	-	-	peak
6	452.0013	36.07	-4.56	31.51	46.00	-14.49	-	-	peak

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



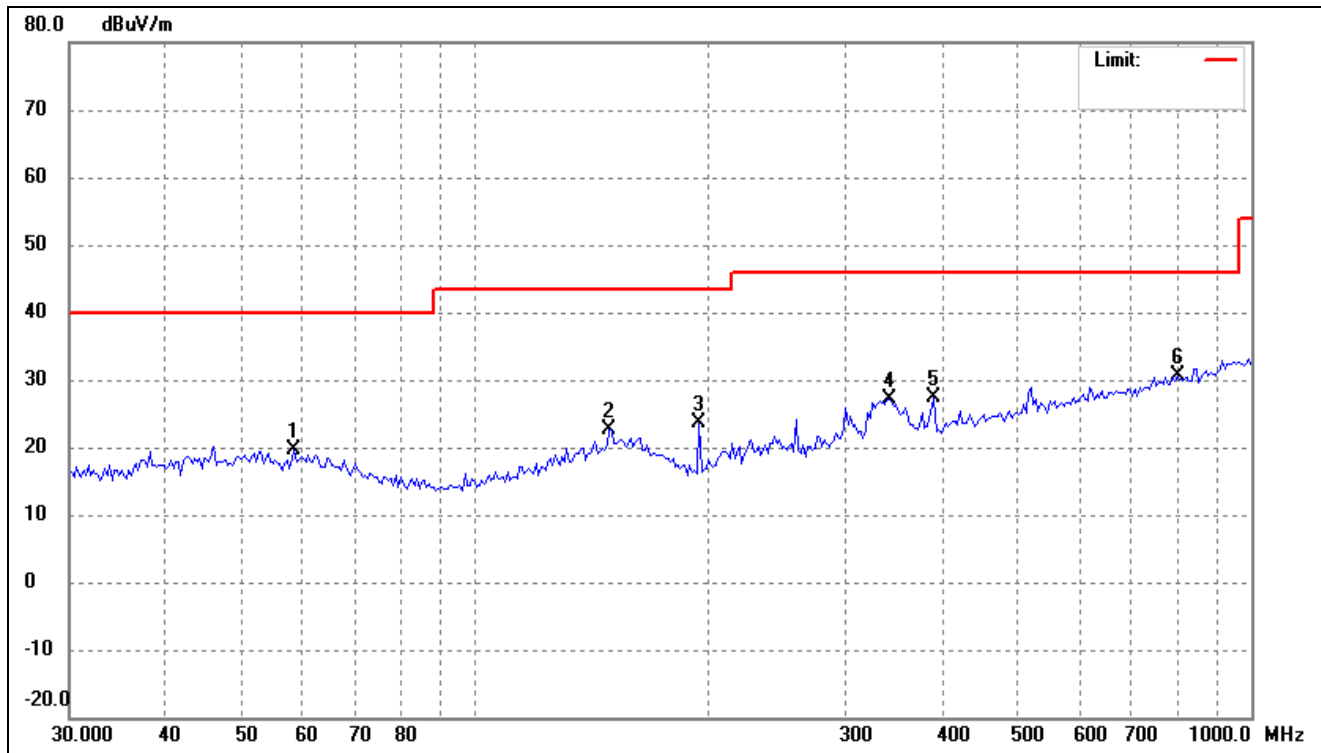
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	43.2333	26.80	-8.47	18.33	40.00	-21.67	-	-	peak
2	63.1857	27.77	-9.52	18.25	40.00	-21.75	-	-	peak
3	154.2428	29.77	-8.60	21.17	43.50	-22.33	-	-	peak
4	194.4985	34.11	-11.67	22.44	43.50	-21.06	-	-	peak
5	343.6506	34.14	-7.22	26.92	46.00	-19.08	-	-	peak
6	713.6917	29.76	-0.84	28.92	46.00	-17.08	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	40.0173	28.19	-8.47	19.72	40.00	-20.28	-	-	peak
2	61.8676	30.67	-9.28	21.39	40.00	-18.61	-	-	peak
3	129.3923	35.32	-9.89	25.43	43.50	-18.07	-	-	peak
4	194.4985	42.19	-11.67	30.52	43.50	-12.98	-	-	peak
5	227.0164	42.98	-11.76	31.22	46.00	-14.78	-	-	peak
6	452.0013	36.20	-4.56	31.64	46.00	-14.36	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	58.4855	28.54	-8.84	19.70	40.00	-20.30	-	-	peak
2	148.9175	31.30	-8.68	22.62	43.50	-20.88	-	-	peak
3	194.4985	35.29	-11.67	23.62	43.50	-19.88	-	-	peak
4	341.2442	34.46	-7.26	27.20	46.00	-18.80	-	-	peak
5	389.9874	33.50	-6.16	27.34	46.00	-18.66	-	-	peak
6	804.2523	30.28	0.34	30.62	46.00	-15.38	-	-	peak

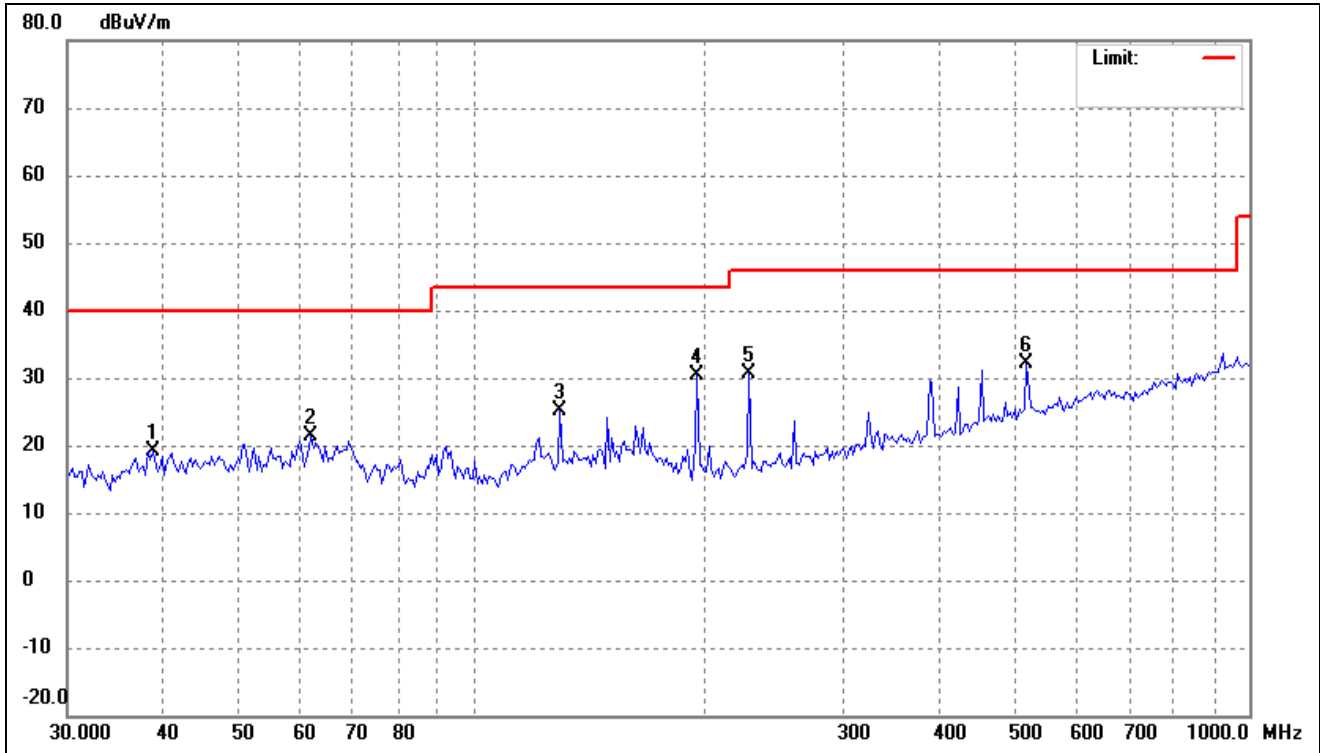
802.11ac-HT20

Test Channel

5180MHz(worst case)

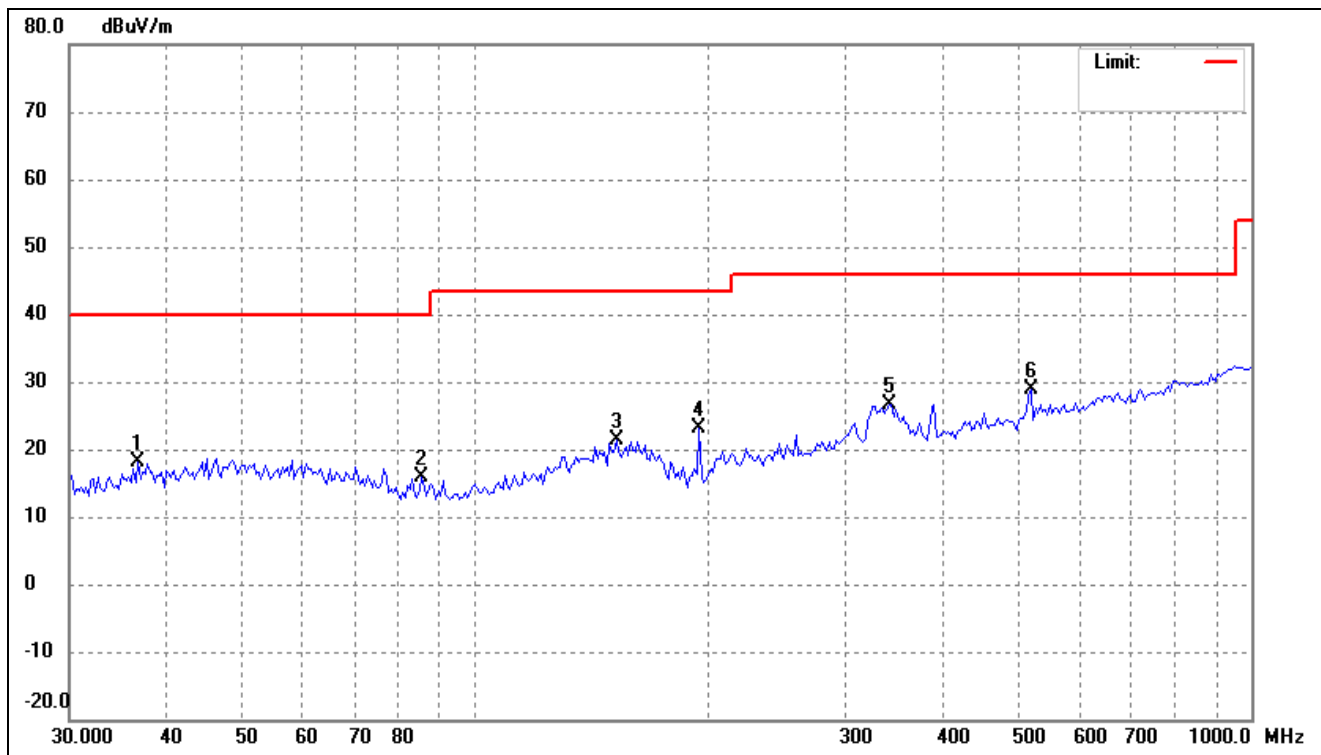
Polarity:

Vertical



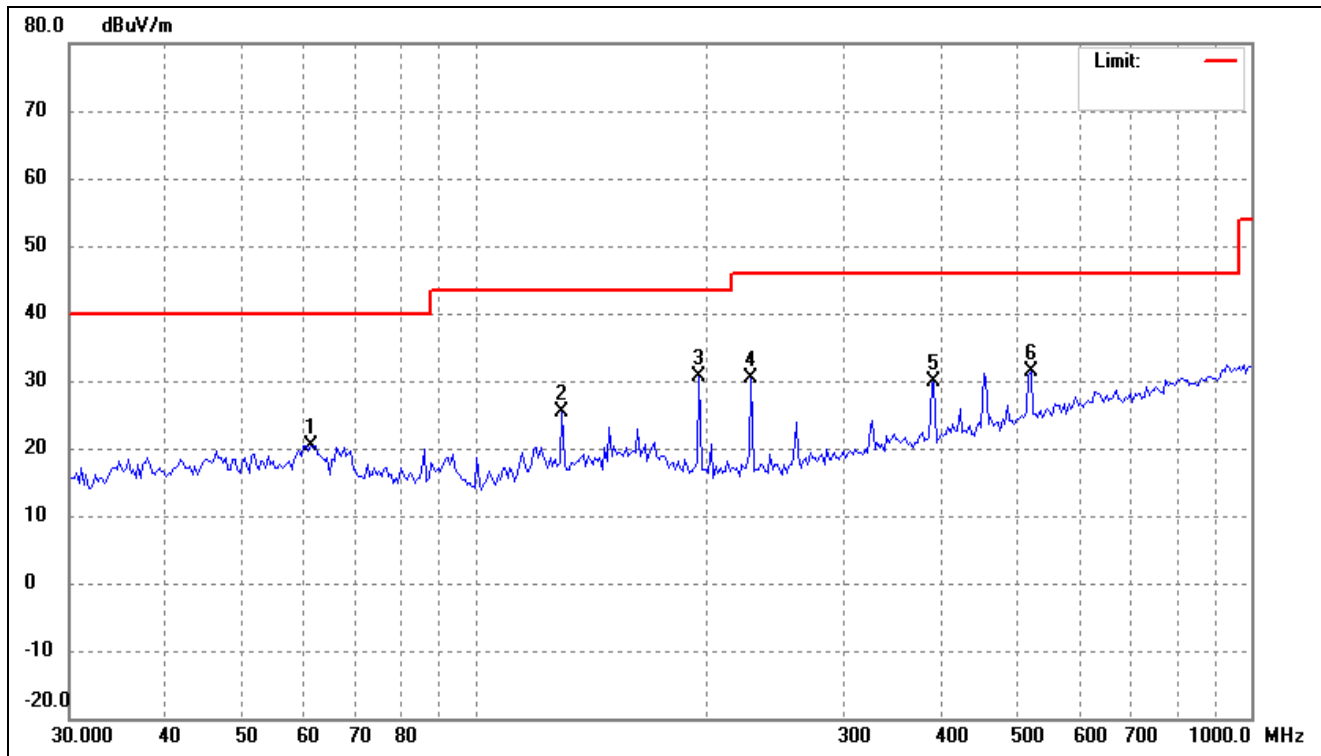
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	38.6357	27.93	-8.78	19.15	40.00	-20.85	-	-	peak
2	61.8676	30.54	-9.28	21.26	40.00	-18.74	-	-	peak
3	129.3923	35.11	-9.89	25.22	43.50	-18.28	-	-	peak
4	194.4985	41.96	-11.67	30.29	43.50	-13.21	-	-	peak
5	227.0164	42.51	-11.76	30.75	46.00	-15.25	-	-	peak
6	516.5651	35.83	-3.65	32.18	46.00	-13.82	-	-	peak

802.11ax-HE20			
Test Channel	5180MHz(worst case)	Polarity:	Horizontal



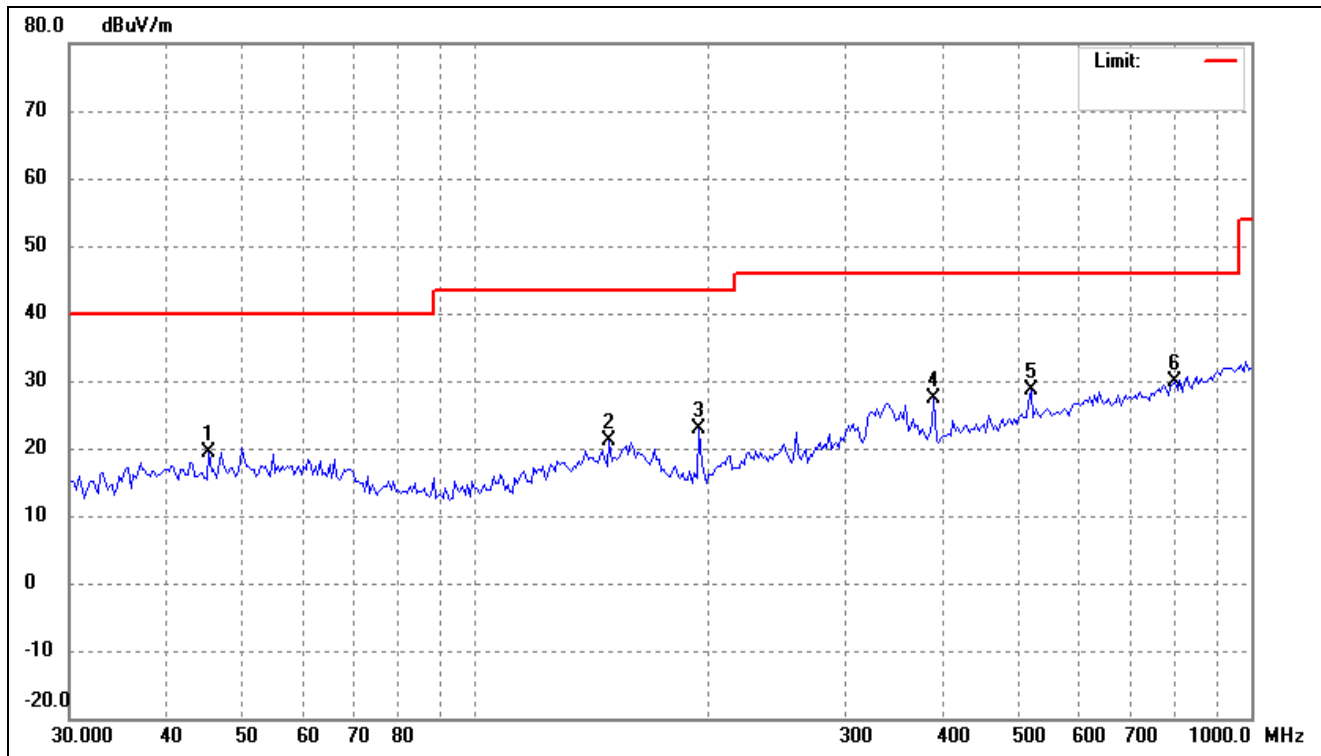
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	36.7811	27.31	-9.17	18.14	40.00	-21.86	-	-	peak
2	85.4769	28.86	-13.04	15.82	40.00	-24.18	-	-	peak
3	152.0902	29.96	-8.60	21.36	43.50	-22.14	-	-	peak
4	194.4985	34.80	-11.67	23.13	43.50	-20.37	-	-	peak
5	341.2442	33.96	-7.26	26.70	46.00	-19.30	-	-	peak
6	520.2079	32.40	-3.59	28.81	46.00	-17.19	-	-	peak

802.11ax-HE20			
Test Channel	5180MHz(worst case)	Polarity:	Vertical



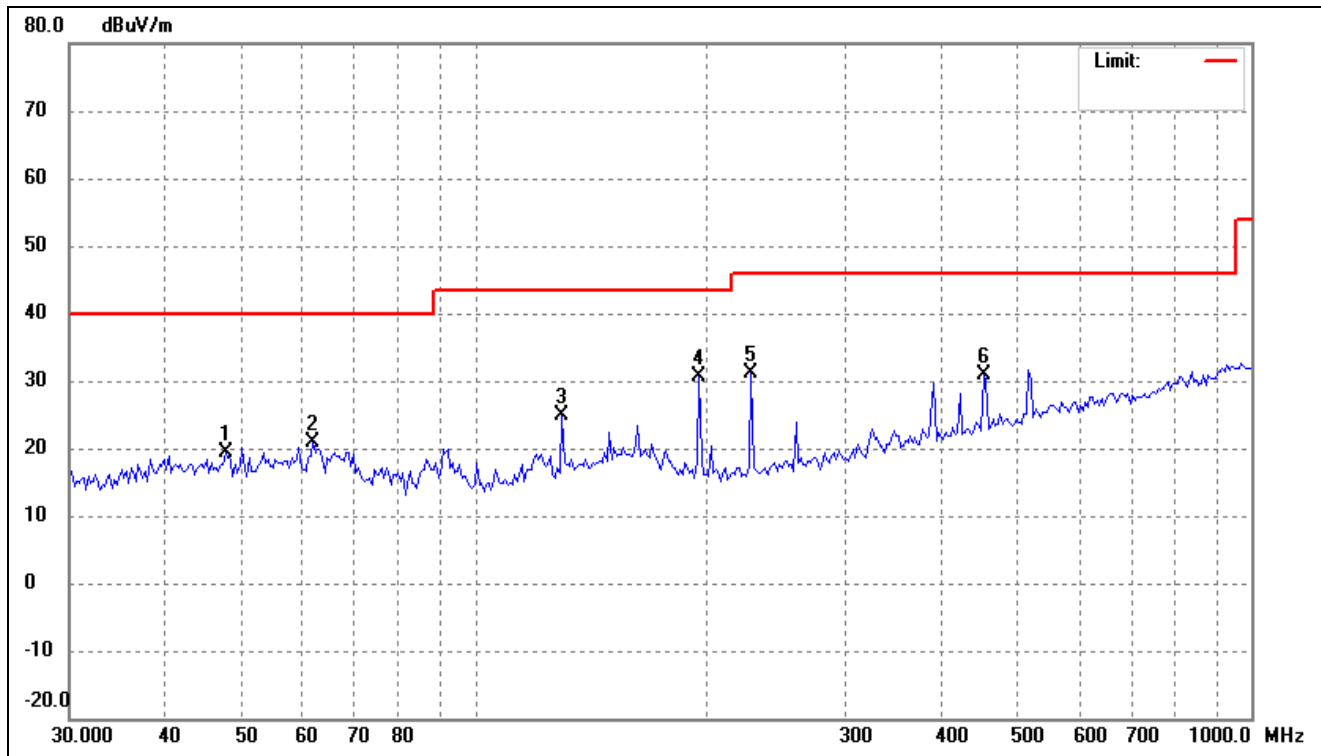
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	61.4343	29.61	-9.20	20.41	40.00	-19.59	-	-	peak
2	129.3923	35.38	-9.89	25.49	43.50	-18.01	-	-	peak
3	194.4985	42.40	-11.67	30.73	43.50	-12.77	-	-	peak
4	227.0164	42.16	-11.76	30.40	46.00	-15.60	-	-	peak
5	389.9874	36.04	-6.16	29.88	46.00	-16.12	-	-	peak
6	520.2079	35.06	-3.59	31.47	46.00	-14.53	-	-	peak

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



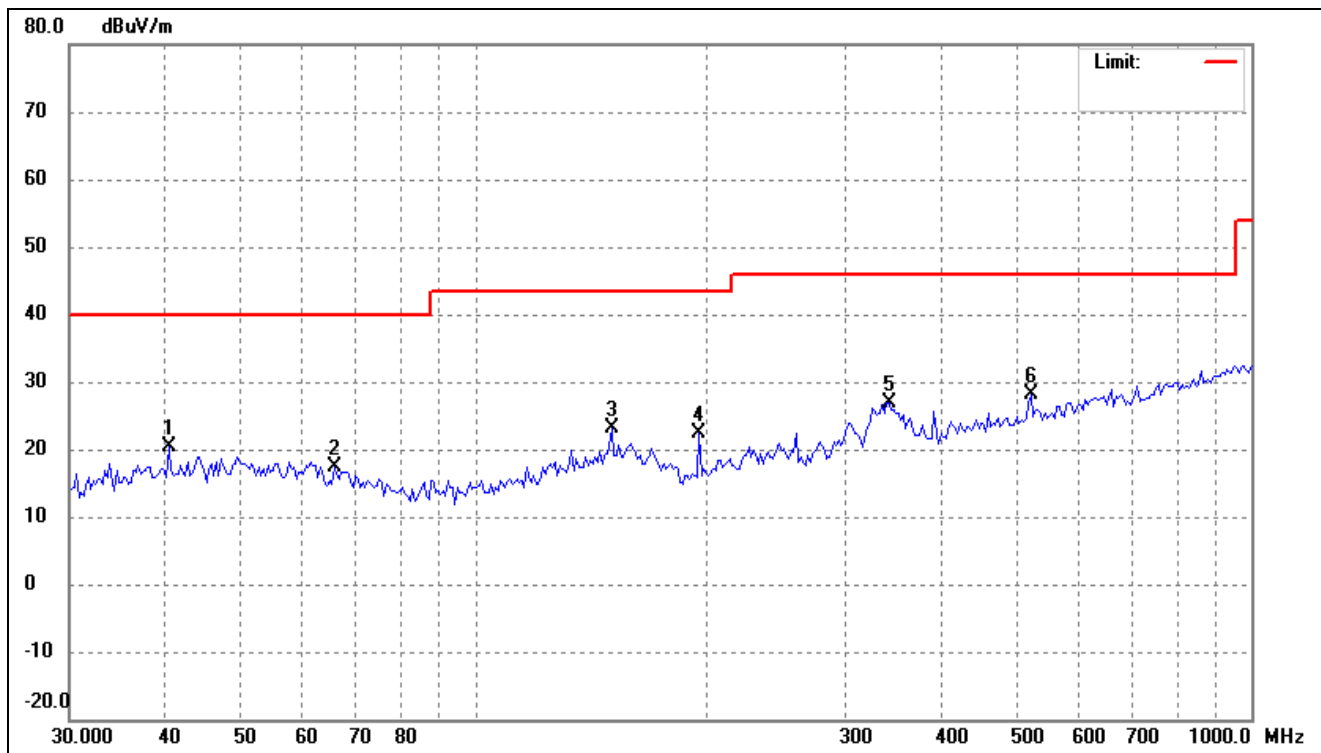
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	45.4131	27.85	-8.43	19.42	40.00	-20.58	-	-	peak
2	148.9175	29.81	-8.68	21.13	43.50	-22.37	-	-	peak
3	194.4985	34.54	-11.67	22.87	43.50	-20.63	-	-	peak
4	389.9874	33.64	-6.16	27.48	46.00	-18.52	-	-	peak
5	520.2079	32.14	-3.59	28.55	46.00	-17.45	-	-	peak
6	798.6205	29.54	0.29	29.83	46.00	-16.17	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	47.7028	27.65	-8.27	19.38	40.00	-20.62	-	-	peak
2	61.8676	30.17	-9.28	20.89	40.00	-19.11	-	-	peak
3	129.3923	34.72	-9.89	24.83	43.50	-18.67	-	-	peak
4	194.4985	42.20	-11.67	30.53	43.50	-12.97	-	-	peak
5	227.0164	43.01	-11.76	31.25	46.00	-14.75	-	-	peak
6	452.0013	35.33	-4.56	30.77	46.00	-15.23	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	40.2995	28.94	-8.48	20.46	40.00	-19.54	-	-	peak
2	65.9067	27.28	-10.02	17.26	40.00	-22.74	-	-	peak
3	149.9676	31.84	-8.59	23.25	43.50	-20.25	-	-	peak
4	194.4985	34.01	-11.67	22.34	43.50	-21.16	-	-	peak
5	341.2442	34.08	-7.26	26.82	46.00	-19.18	-	-	peak
6	520.2079	31.68	-3.59	28.09	46.00	-17.91	-	-	peak

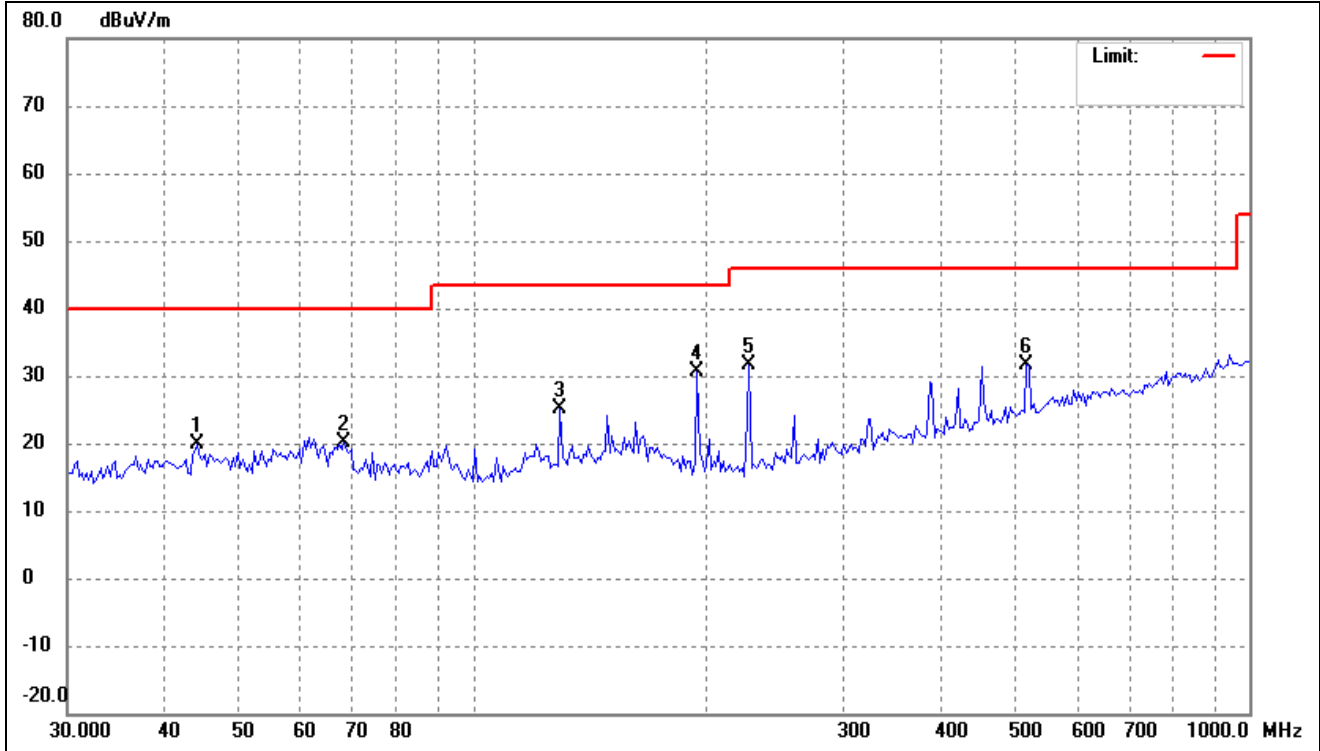
802.11ac-HT40

Test Channel

5190MHz(worst case)

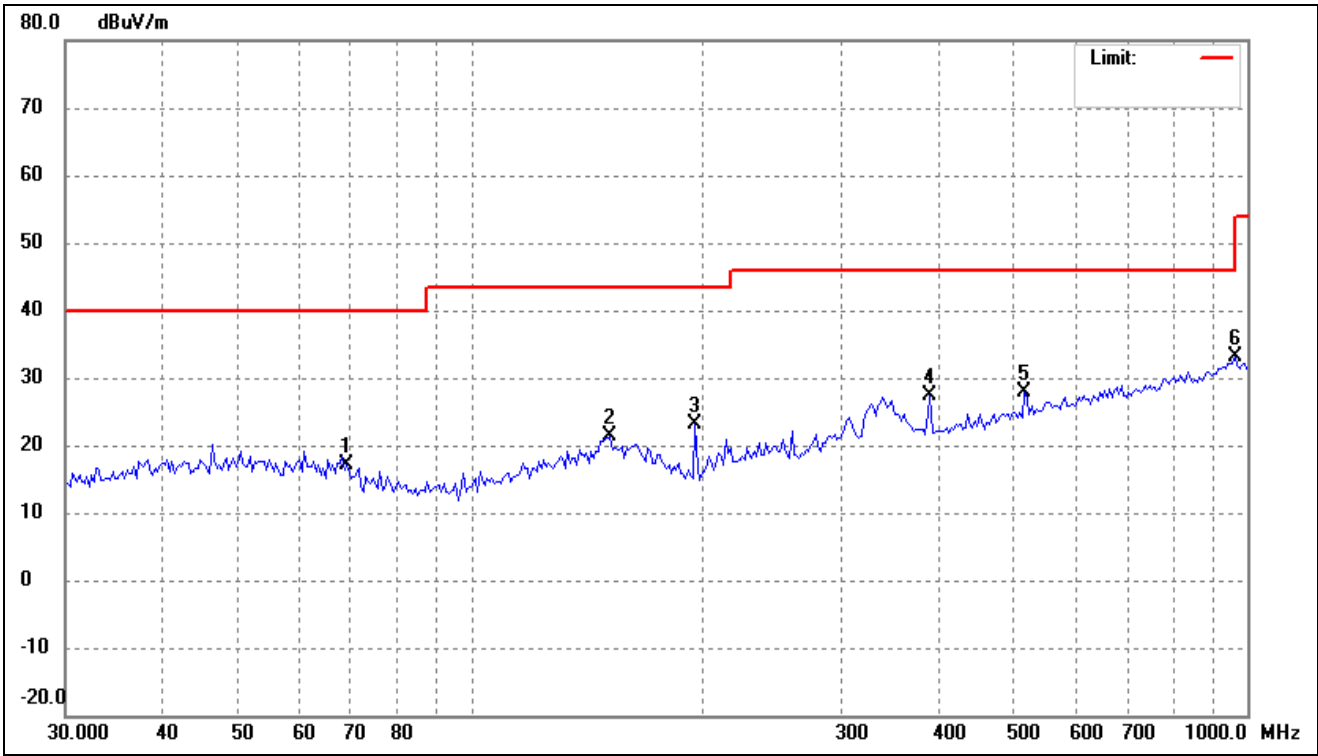
Polarity:

Vertical



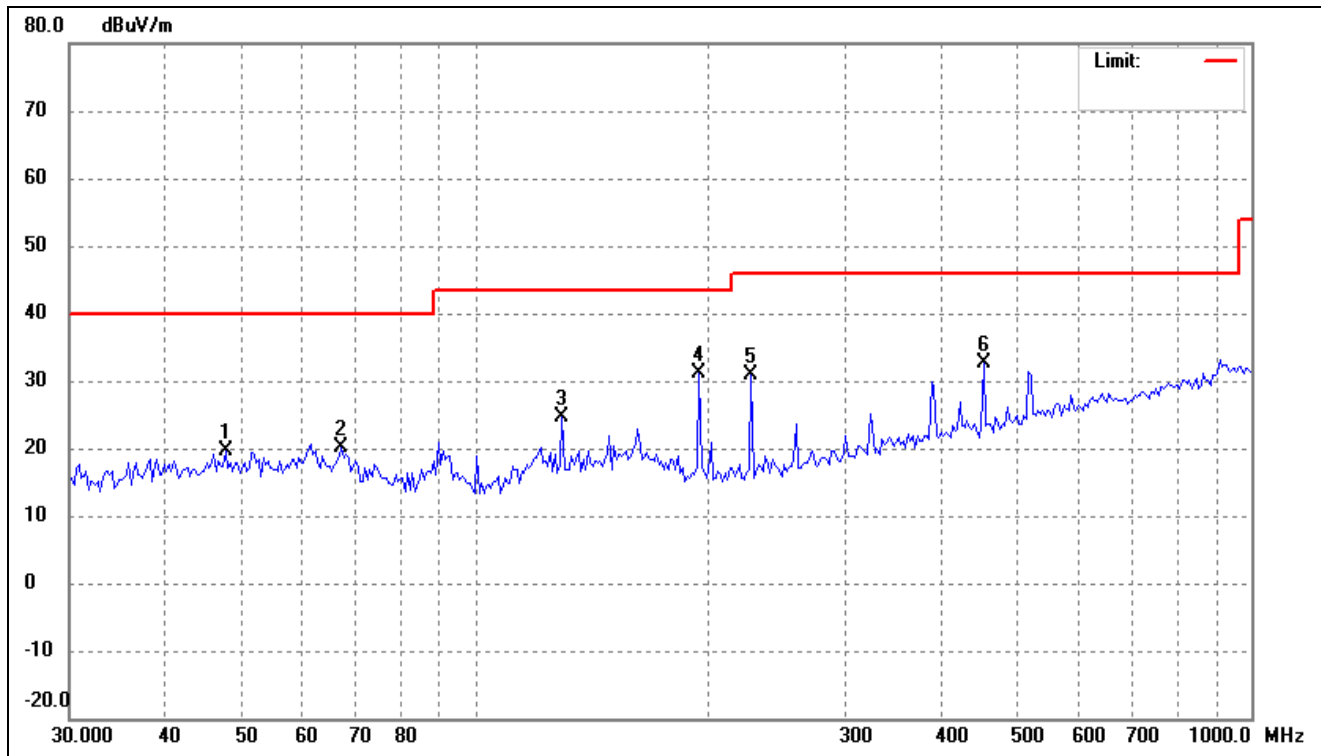
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	44.1544	28.23	-8.47	19.76	40.00	-20.24	-	-	peak
2	68.2636	30.61	-10.45	20.16	40.00	-19.84	-	-	peak
3	129.3923	35.11	-9.89	25.22	43.50	-18.28	-	-	peak
4	194.4985	42.35	-11.67	30.68	43.50	-12.82	-	-	peak
5	227.0164	43.31	-11.76	31.55	46.00	-14.45	-	-	peak
6	516.5651	35.36	-3.65	31.71	46.00	-14.29	-	-	peak

802.11ax-HE40			
Test Channel	5190MHz(worst case)	Polarity:	Horizontal



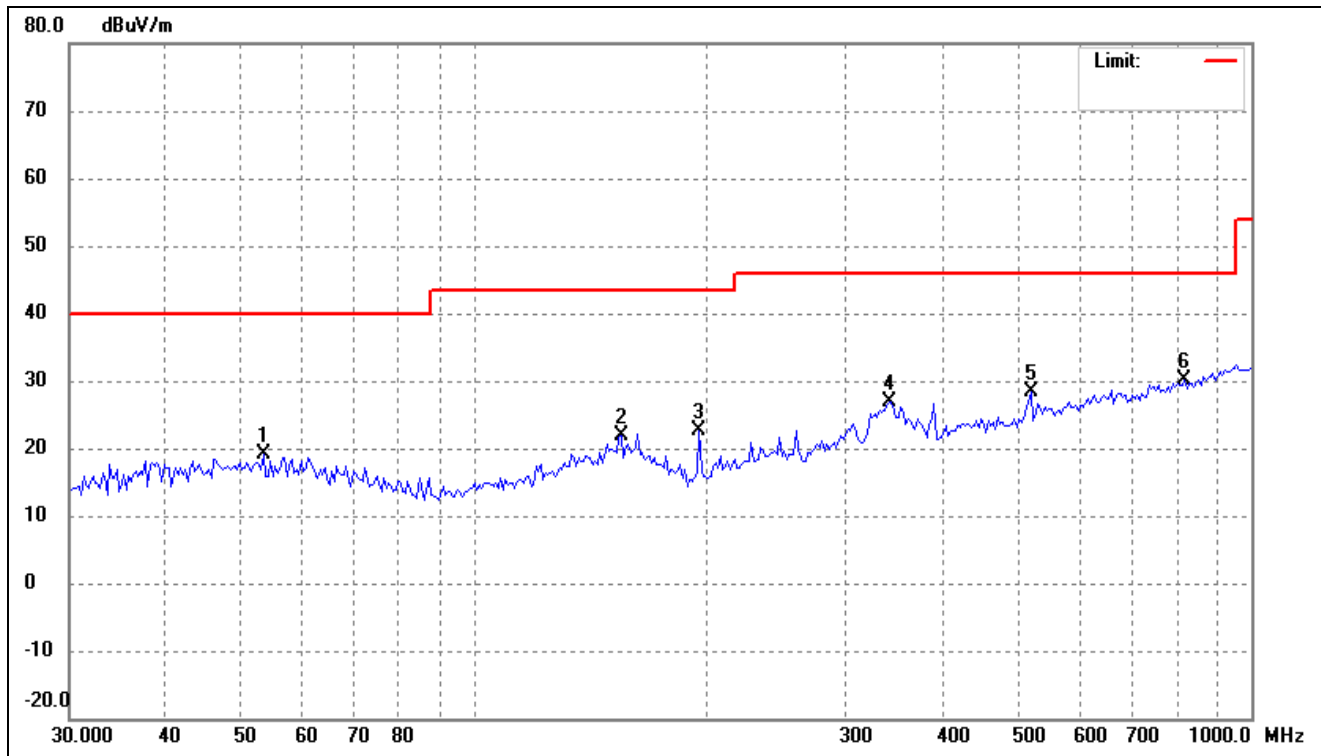
No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	69.2297	27.75	-10.63	17.12	40.00	-22.88	-	-	peak
2	151.0252	29.95	-8.61	21.34	43.50	-22.16	-	-	peak
3	194.4985	34.82	-11.67	23.15	43.50	-20.35	-	-	peak
4	389.9874	33.60	-6.16	27.44	46.00	-18.56	-	-	peak
5	516.5651	31.58	-3.65	27.93	46.00	-18.07	-	-	peak
6	965.4742	30.88	2.27	33.15	54.00	-20.85	-	-	peak

802.11ax-HE40			
Test Channel	5190MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	47.7028	27.98	-8.27	19.71	40.00	-20.29	-	-	peak
2	67.3109	30.31	-10.27	20.04	40.00	-19.96	-	-	peak
3	129.3923	34.57	-9.89	24.68	43.50	-18.82	-	-	peak
4	194.4985	42.82	-11.67	31.15	43.50	-12.35	-	-	peak
5	227.0164	42.69	-11.76	30.93	46.00	-15.07	-	-	peak
6	452.0013	37.16	-4.56	32.60	46.00	-13.40	-	-	peak

802.11ac-HT80			
Test Channel	5210MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Corr. dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Deg. ()	Height (cm)	Remark
1	53.3794	27.57	-8.45	19.12	40.00	-20.88	-	-	peak
2	154.2428	30.45	-8.60	21.85	43.50	-21.65	-	-	peak
3	194.4985	34.31	-11.67	22.64	43.50	-20.86	-	-	peak
4	341.2442	34.22	-7.26	26.96	46.00	-19.04	-	-	peak
5	520.2079	31.85	-3.59	28.26	46.00	-17.74	-	-	peak
6	821.3871	29.61	0.49	30.10	46.00	-15.90	-	-	peak