

TEST REPORT

Reference No...... : WTX26X07208792W001
FCC ID : 2ATV8-TRIMLIGHTV3
Applicant : Shenzhen Sperll Optoelectronic Technology Co., Ltd.
Address : 4th Floor, Building 3, NO.1059 Songbai Road, Nanshan District, Shenzhen,
China
Manufacturer : The same as Applicant
Address : The same as Applicant
Product Name : LED Controller
Model No...... : Trimlight Edge Pro
Standards : FCC Part 15.407
Date of Receipt sample : 2026-07-16
Date of Test..... : 2026-07-20 to 2026-08-01
Date of Issue : 2026-08-14
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.

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Report version

Version No.	Date of issue	Description
Rev.00	2026-08-14	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	LED Controller
Trade Name:	SPERLL
Model No.:	Trimlight Edge Pro
Adding Model(s):	/
Rated Voltage:	DC 5-36V
Battery Capacity:	/
Power Adapter:	/
<i>Note: The sample information is provided by the customer.</i>	

Technical Characteristics of EUT	
Support Standards:	802.11a, 802.11n(HT20), 802.11n-HT40, 802.11ac(VHT20)
Frequency Range:	5180-5240MHz, 5260-5320MHz 5500-5700MHz, 5745-5825MHz
Max. RF Output Power:	14.85dBm (Conducted)
Type of Modulation:	QPSK, 16QAM, 64QAM, 256QAM
Type of Antenna:	Rod Antenna
Antenna Gain:	3.55dBi
<i>Note: 1: The Antenna Gain is provided by the customer and can affect the validity of results.</i> <i>2: The data 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 C63.10-2020: American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

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

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

1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, 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 “EspRFTTestTool_v5.73_Manual.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. 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	Test Frequency (MHz)											
	NCB: 20MHz											
	5180	5200	5240	5260	5280	5320	5500	5580	5700	5745	5785	5825
802.11a 6Mbps	15	15	15	18	18	18	8	8	15	16	13	10
802.11n-HT20 MCS0	18	18	18	21	21	21	10	12	20	18	15	12
802.11ac-VHT20 MCS0	18	18	18	22	22	22	10	12	20	18	15	12
Mode	NCB: 40MHz											
	5190	5230	5270	5310	5510	5550	5670	5710	5755	5795		
802.11n-HT40 MCS0	18	18	21	21	10	10	18	20	20	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, Block 70 Bao'an District, Shenzhen, Guangdong, China

FCC – Registration No.: 125990

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

Industry Canada (IC) Registration No.: 11464A

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

1.7 EUT Setup and Test Mode

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

Test Mode List		
Test Mode	Description	Remark
TM1	802.11a	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5580MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM2	802.11n-HT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5680MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM3	802.11ac-VHT20	5180MHz,5200MHz,5240MHz,5260MHz,5280MHz,5320MHz,5500MHz,5680MHz,5700MHz,5745MHz, 5785MHz,5825MHz
TM4	802.11n-HT40	5190MHz,5230MHz,5270MHz,5310MHz,5510MHz,5550MHz,5670MHz,5755MHz,5795MHz

Test Conditions	
Temperature:	22~25 °C
Relative Humidity:	50~55 %.
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
DC Cable	0.5	Unshielded	With Ferrite
AC Cable	1.38	Unshielded	Without Ferrite

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
Adapter	MEAN WELL ENTERPRISES CO., LTD	GSM90A12	SC58468062

1.8 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
RF Output Power	Conducted	±0.57dB
Occupied Bandwidth	Conducted	±0.015MHz
Power Spectral Density	Conducted	±1.8dB
Conducted Spurious Emission	Conducted	±2.17dB
Conducted Emission 1#	Conducted	@9kHz to 150kHz: ±3.74dB
		@150kHz to 30MHz: ±3.34dB
Conducted Emission 2#	Conducted	@9kHz to 150kHz: ±3.74dB
		@150kHz to 30MHz: ±3.34dB
Transmitter Spurious Emissions chamber A	Radiated	@9kHz to 30MHz: ±3.0dB
		@30MHz to 1GHz: ±5.70dB
		@1GHz to 6GHz: ±5.88dB
		@6GHz to 18GHz: ±5.96dB
		@18GHz to 40GHz: ±6.12dB
Transmitter Spurious Emissions chamber B	Radiated	@30MHz to 1GHz: ±5.36dB
Transmitter Spurious Emissions chamber C	Radiated	@9kHz to 30MHz: ±3.0dB
		@30MHz to 1GHz: ±5.28dB
		@1GHz to 6GHz: ±5.56dB
		@6GHz to 18GHz: ±5.72dB
		@18GHz to 40GHz: ±6.12dB

1.9 Test Equipment List and Details

Internal No.	Description	Manufacturer	Model	Serial No.	Cal Date	Due. Date
WTXE1041A 1002	Communication Tester	Rohde & Schwarz	CMW500	1201.0002 k50-14865 0-FB	2026-03-25	2027-03-24
WTXE1005A 1005	MXA Signal Analyzer	Agilent	N9020A	US471401 02	2026-03-25	2027-03-24
WTXE1084A 1001	MXA Signal Analyzer	KEYSIGHT	N9020A	MY543205 48	2026-02-06	2027-02-05
WTXE1005A 1006	Spectrum Analyzer	Rohde & Schwarz	FSP40	1164.4391 K38Ser. 100368	2026-04-29	2027-04-28
WTXW1105A 1136	RF ATTENUATOR	FEIYANG	N-JK	/	2026-02-06	2027-02-05
WTXE1003A 1-005	Coaxial Cable	/	0M4RFC	/	2026-02-23	2027-02-22
☐ Chamber A: Below 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2026-02-05	2027-02-04
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2026-02-05	2027-02-04
WTXE1007A 1002	Amplifier	HP	8447F	2805A034 75	2026-02-05	2027-02-04
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2026-02-05	2027-02-04
WTXE1010A 1006	Broadband Antenna	Schwarz beck	VULB9163	9163-333	2026-03-11	2029-03-10
WTXE1104A 1032-1	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1032-2	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1032-3	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
☐ Chamber A: Above 1GHz						
WTXE1005A 1003	Spectrum Analyzer	Rohde & Schwarz	FSP30	836079/03 5	2026-02-05	2027-02-04
WTXE1001A 1001	EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2026-02-05	2027-02-04
WTXE1065A 1001	Amplifier	C&D	PAP-1.0G18	14918	2026-02-05	2027-02-04
WTXE1010A	Horn Antenna	ETS	3117	00086197	2026-02-05	2027-02-04

1005						
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2026-02-10	2027-02-09
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2026-02-05	2027-02-04
WTXE1104A 1033-1	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
WTXE1104A 1033-2	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
WTXE1104A 1033-3	Coaxial Cable	/	C16-07-07	/	2026-02-23	2027-02-22
☐ 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	2026-02-05	2027-02-04
WTXE1001A 1002	EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2026-02-05	2027-02-04
WTXE1104A 1031-1	Coaxial Cable	/	1.5MRFC-LWB3	/	2026-02-23	2027-02-22
WTXE1104A 1031-2	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
WTXE1104A 1031-3	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
☒ Chamber C:Below 1GHz						
WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2026-02-05	2027-02-04
WTXE1010A 1013-1	Trilog Broadband Antenna	Schwarz beck	VULB 9168	1194	2024-04-18	2027-04-17
WTXE1010A 1007	Loop Antenna	Schwarz beck	FMZB 1516	9773	2026-02-05	2027-02-04
WTXE1007A 1003	Amplifier	HP	8447F	2944A038 69	2026-02-05	2027-02-04
WTXE1104A 1034-1	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1034-2	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1034-3	Coaxial Cable	/	RC_6G-N-M	/	2026-02-23	2027-02-22
☒ Chamber C: Above 1GHz						

WTXE1093A 1001	EMI Test Receiver	Rohde & Schwarz	ESIB 26	100401	2026-02-05	2027-02-04
WTXE1103A 1005	Horn Antenna	POAM	RTF-118A	1820	2025-06-13	2027-06-12
WTXE1103A 1006	Amplifier	Tonscend	TAP01018050	AP22E806 235	2026-02-05	2027-02-04
WTXE1010A 1010	DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2026-02-10	2027-02-09
WTXE1003A 1001	Pre-amplifier	Schwarzbeck	BBV 9721	9721-031	2026-02-05	2027-02-04
WTXE1104A 1035-1	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1035-2	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
WTXE1104A 1035-3	Coaxial Cable	/	RC-18G-N-M	/	2026-02-23	2027-02-22
☐ Conducted Room 1#						
WTXE1104A 1029	EMI Test Receiver	Rohde & Schwarz	ESCI	100525	2025-11-25	2026-11-24
WTXE1002A 1001	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2026-02-05	2027-02-04
WTXE1003A 1001	AC LISN	Schwarz beck	NSLK8126	8126-279	2026-02-05	2027-02-04
WTXE1104A 1036	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22
WTXE1104A 1038	Coaxial Cable	/	6MRFC-DP	/	2026-02-23	2027-02-22
☒ Conducted Room 2#						
WTXE1001A 1004	EMI Test Receiver	Rohde & Schwarz	ESPI	101259	2026-02-05	2027-02-04
WTXE1003A 1003	LISN	Rohde & Schwarz	ENV 216	100097	2026-02-05	2027-02-04
WTXE1104A 1037	Coaxial Cable	/	RG 316	/	2026-02-23	2027-02-22

Software List			
Description	Manufacturer	Model	Version
EMI Test Software/EZ-EMC (Radiated Emission A)	Farad	RA-03A1	1.1.4.2
EMI Test Software/EZ-EMC (Radiated Emission B)	Farad	RA-03A1	1.1.4.2
EMI Test Software/EZ-EMC (Radiated Emission C)	Farad	RA-03A1-2	1.1.4.2
EMI Test Software/EZ-EMC (Conducted Emission Room 1#)	Farad	3A1*CE-RE	1.1.4.3
EMI Test Software/EZ-EMC (Conducted Emission Room 2#)	Farad	3A1*CE-RE	1.1.4.3

*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; §15.209; §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 a Rod antenna, fulfill the requirement of this section.

4. Automatically Discontinue Transmission

4.1 Standard Applicable

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

4.2 Summary of Test Results

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

5. Power Spectral Density

5.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

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

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

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

5.2 Test Procedure

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

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

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

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

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

5.3 Summary of Test Results/Plots

Please refer to Appendix A

6. Emission Bandwidth and Occupied Bandwidth

6.1 Standard Applicable

According to 15.407(a) and (e):

(1) For the band 5.15-5.25GHz.

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

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

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

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

6.2 Test Procedure

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

1. Emission Bandwidth (EBW)

a) Set RBW = approximately 1% of the emission bandwidth.

b) Set the VBW > RBW.

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

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

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

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

D. 99 Percent Occupied Bandwidth

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

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

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

Reference No.: WTX26X07208792W001

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

6.3 Summary of Test Results/Plots

Please refer to Appendix B

7. Maximum Conducted Output Power

7.1 Standard Applicable

Section 15.407(a) Power limits:

(1) For the band 5.15-5.25GHz.

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

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

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

7.2 Test Procedure

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

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

narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

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

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

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

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

7.3 Summary of Test Results/Plots

Please refer to Appendix C

8. Radiated Spurious Emissions

8.1 Standard Applicable

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

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

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

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

789033 D02 v02r01 General UNII Test Procedures New Rules v01

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

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

where:

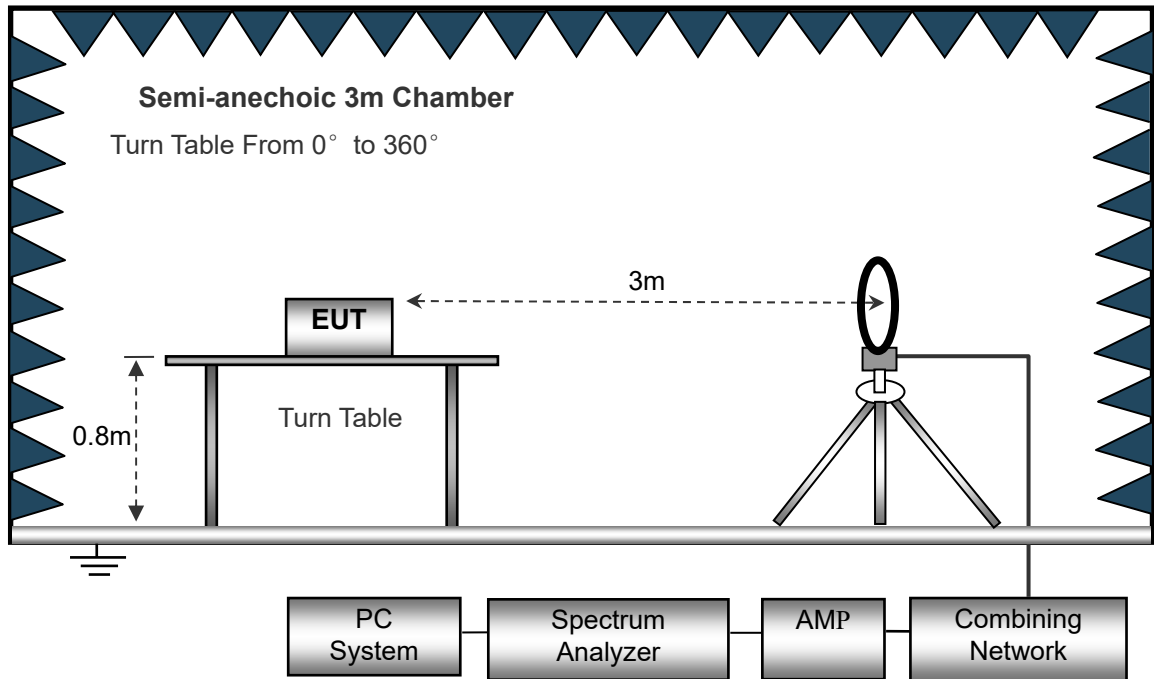
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotropically radiated power in watts.

8.2 Test Procedure

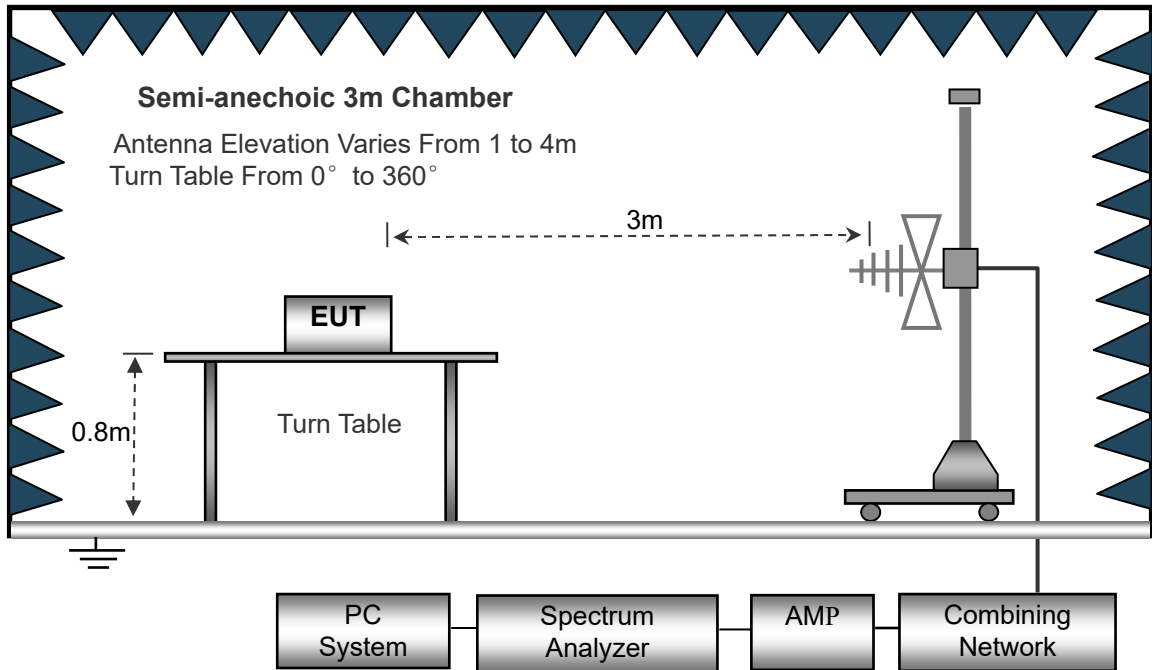
The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.205 15.407(b)(6) and FCC Part 15.209 Limit..

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

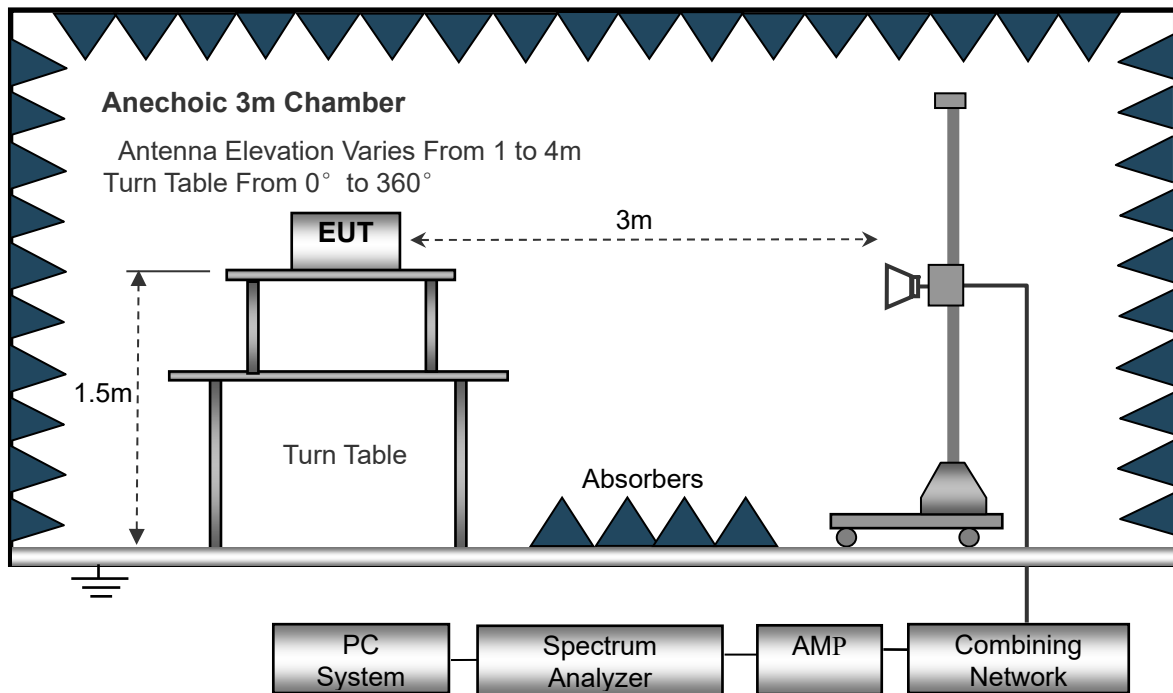
The test setup for emission measurement below 30MHz.



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



The test setup for emission measurement above 1GHz.



8.3 Test Receiver Setup

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

For peak detector:

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

For average detector:

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

8.4 Corrected Amplitude & Margin Calculation

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

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

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -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:

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

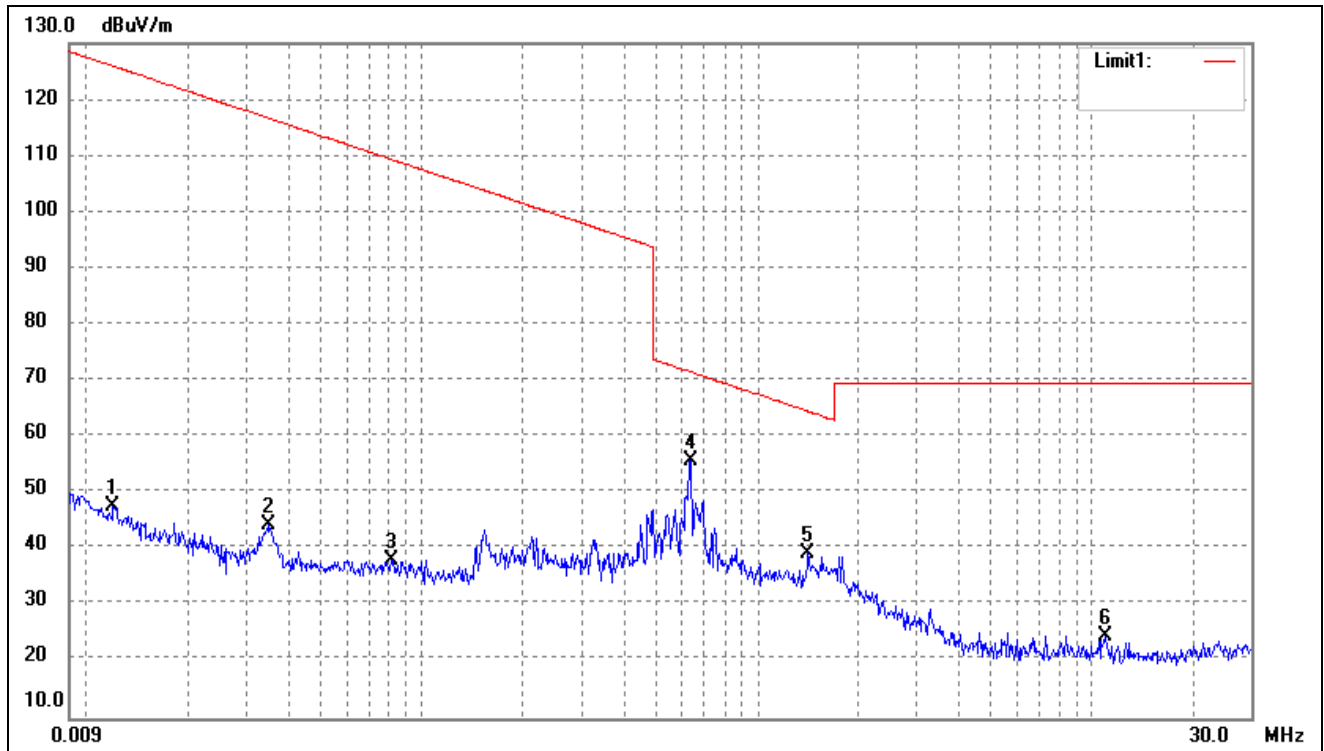
8.5 Summary of Test Results/Plots

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

Reference No.: WTX26X07208792W001

- Spurious Emission From 9kHz to 30MHz
- 5150-5250MHz(worst case)

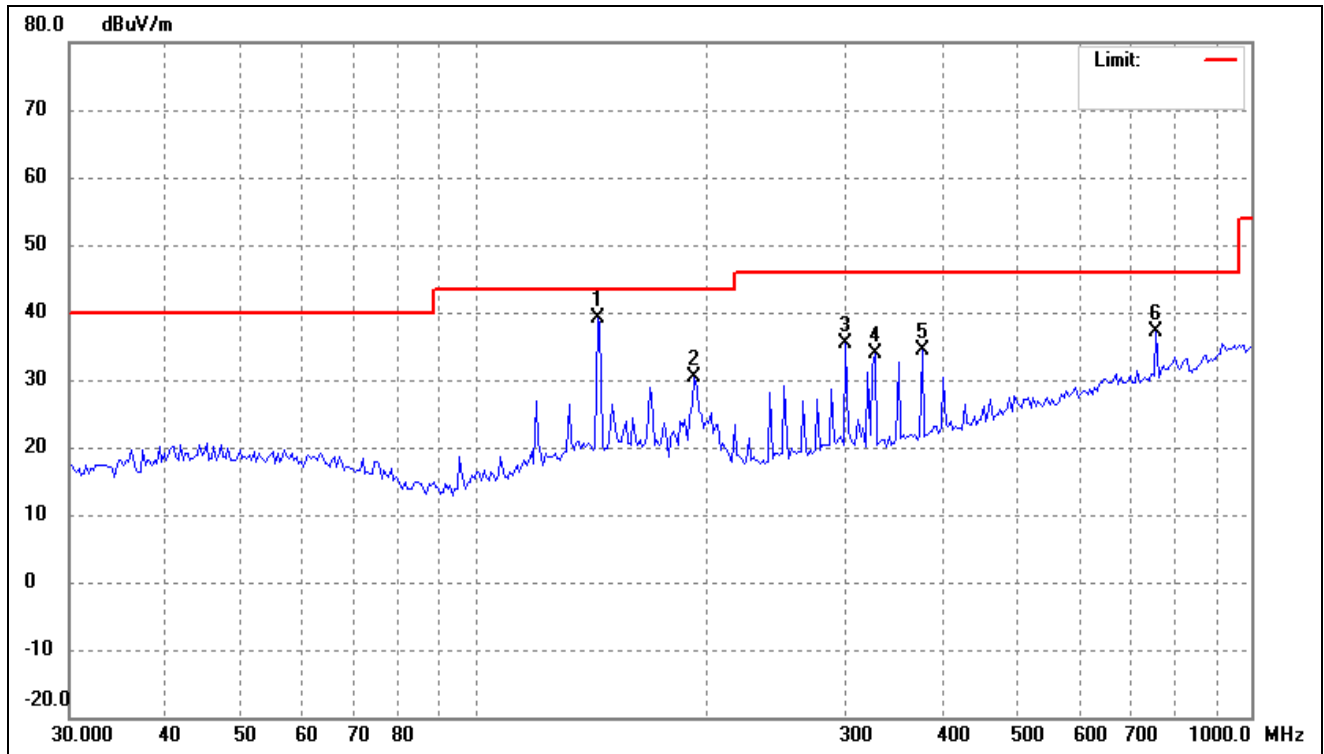
802.11a(worst case)			
Test Channel	5180MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	0.0120	54.76	-7.24	47.52	126.00	-78.48	-	-	peak
2	0.0350	51.87	-7.46	44.41	116.71	-72.30	-	-	peak
3	0.0808	45.93	-7.81	38.12	109.45	-71.33	-	-	peak
4	0.6338	63.79	-8.01	55.78	71.57	-15.79	-	-	peak
5	1.4256	47.10	-7.70	39.40	64.55	-25.15	-	-	peak
6	10.9050	32.32	-7.83	24.49	69.50	-45.01	-	-	peak

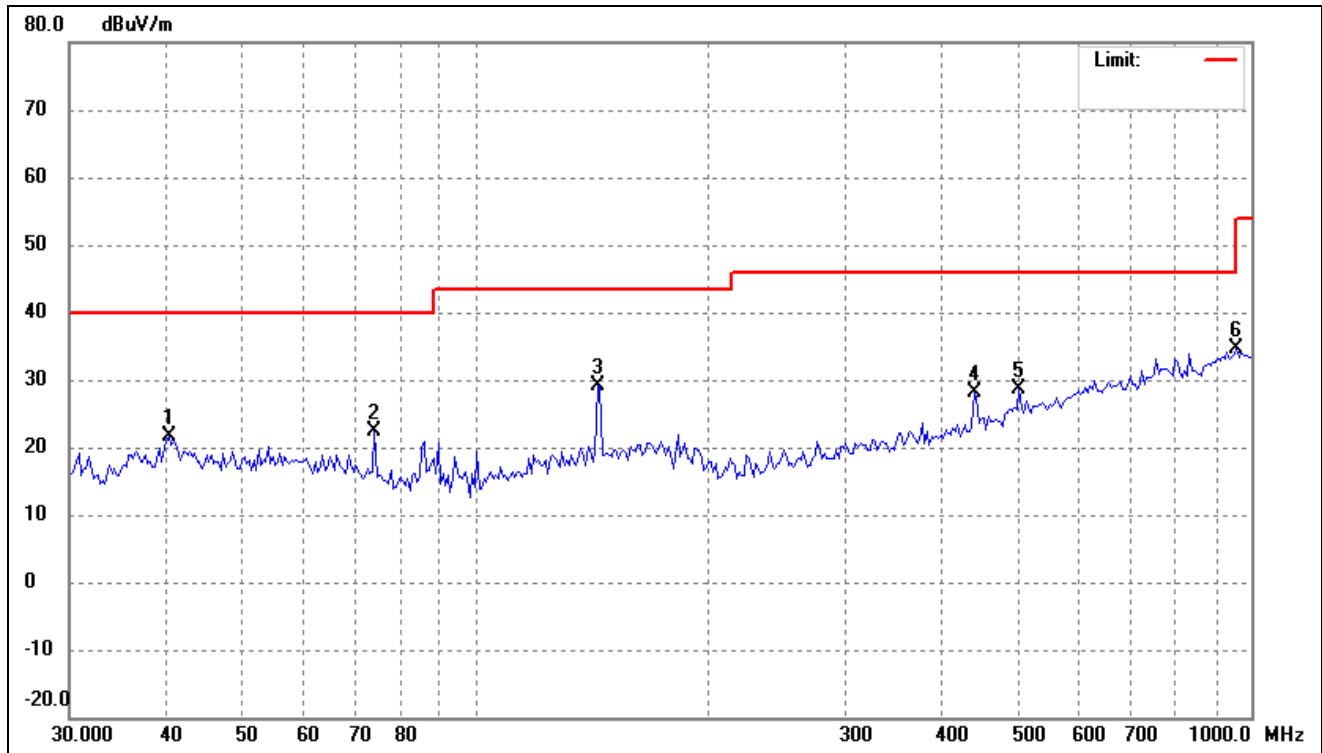
- Spurious Emission From 30MHz to 1GHz
- 5150-5250MHz

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



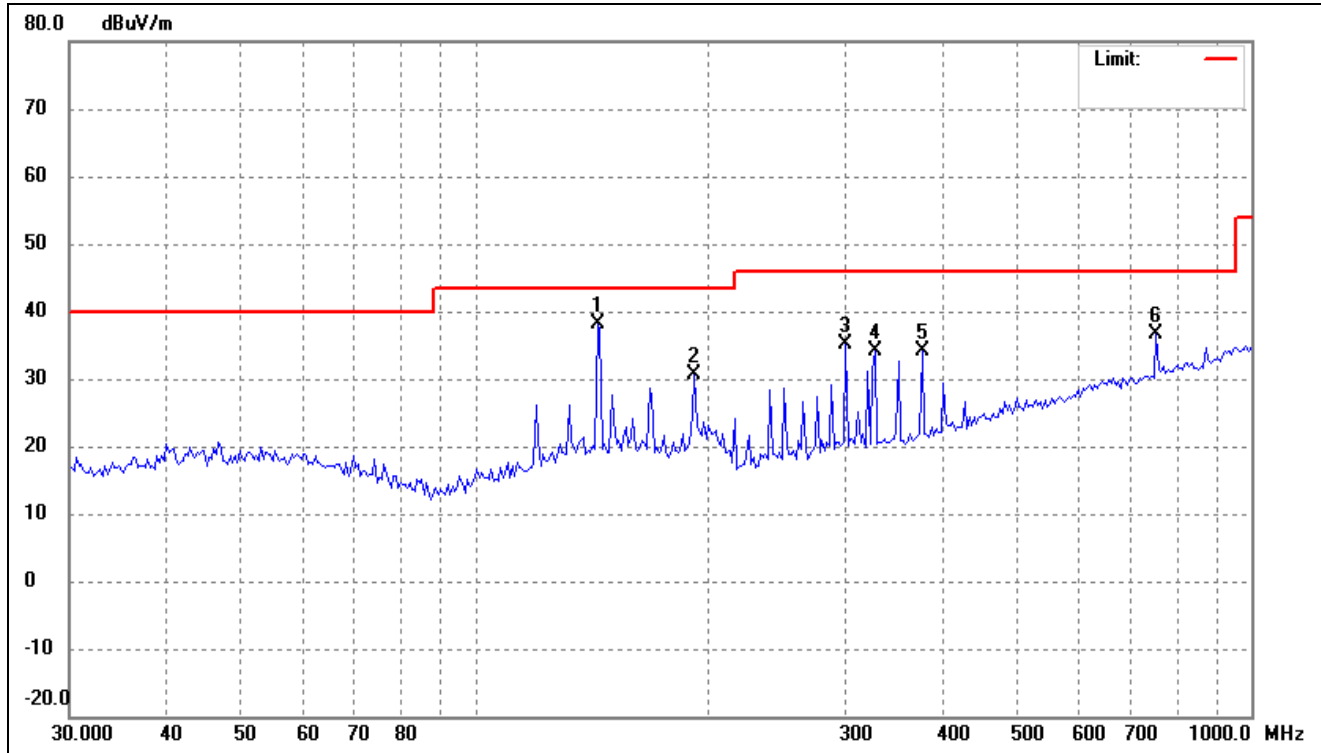
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.78	-8.75	39.03	43.50	-4.47	-	-	peak
2	191.7841	41.75	-11.31	30.44	43.50	-13.06	-	-	peak
3	300.6988	43.68	-8.26	35.42	46.00	-10.58	-	-	peak
4	327.1554	41.39	-7.58	33.81	46.00	-12.19	-	-	peak
5	376.5228	41.08	-6.81	34.27	46.00	-11.73	-	-	peak
6	754.9628	35.86	1.21	37.07	46.00	-8.93	-	-	peak

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



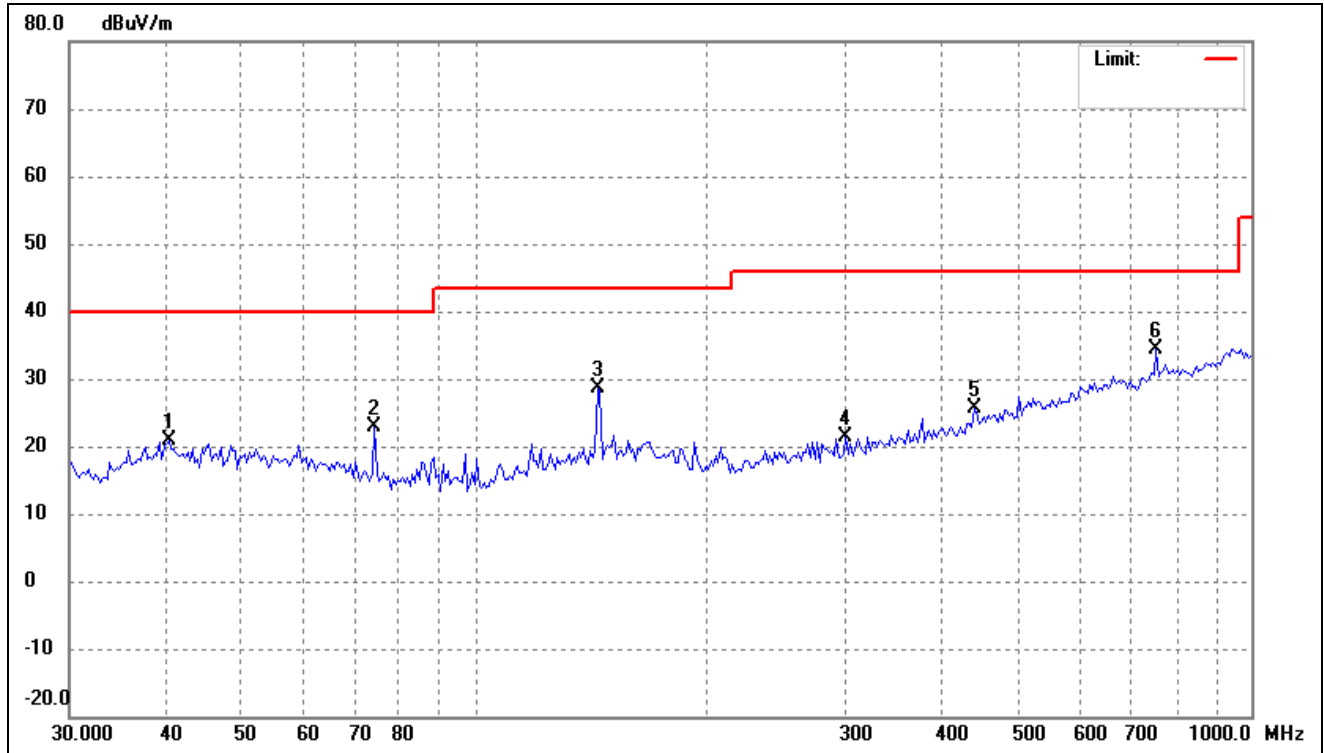
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.2995	30.42	-8.82	21.60	40.00	-18.40	-	-	peak
2	74.2696	33.67	-11.20	22.47	40.00	-17.53	-	-	peak
3	143.7760	37.85	-8.75	29.10	43.50	-14.40	-	-	peak
4	439.4730	33.16	-5.07	28.09	46.00	-17.91	-	-	peak
5	502.2473	32.23	-3.48	28.75	46.00	-17.25	-	-	peak
6	958.7135	30.93	3.65	34.58	46.00	-11.42	-	-	peak

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



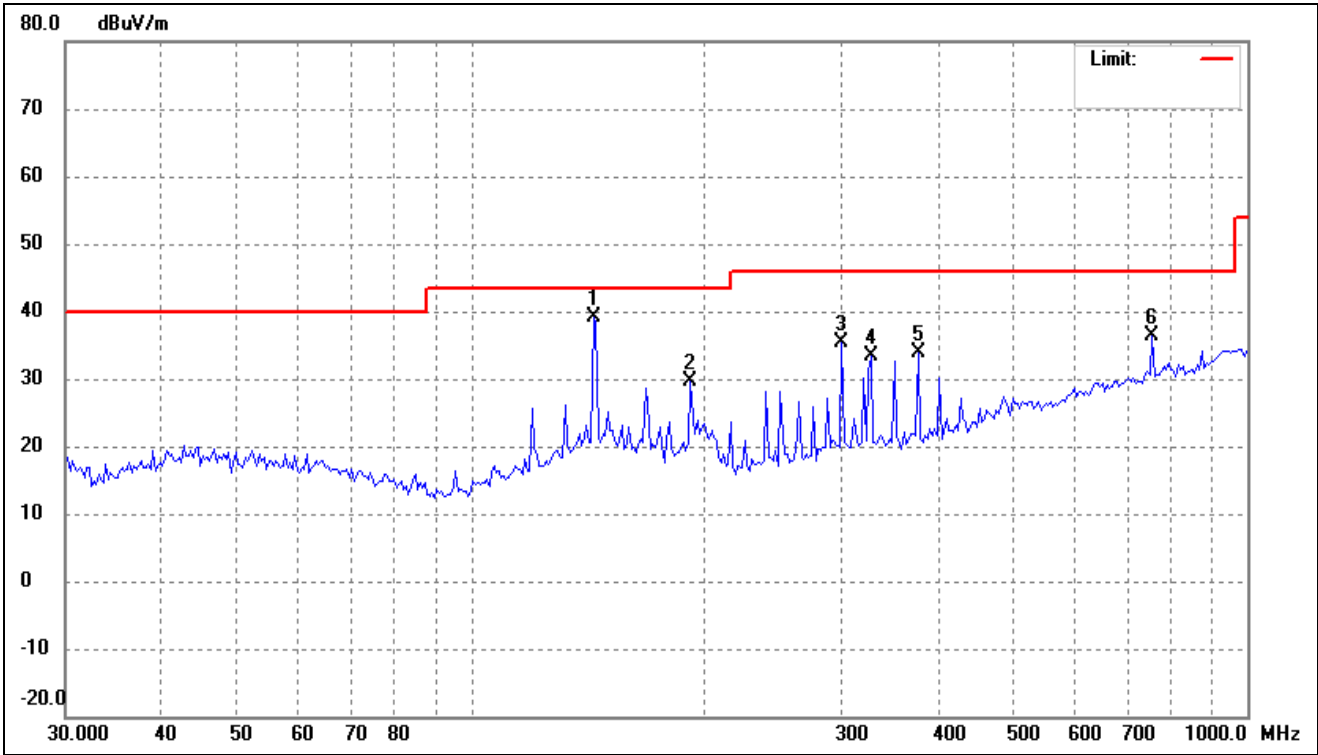
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	46.77	-8.75	38.02	43.50	-5.48	-	-	peak
2	191.7841	41.83	-11.31	30.52	43.50	-12.98	-	-	peak
3	300.6988	43.51	-8.26	35.25	46.00	-10.75	-	-	peak
4	327.1554	41.65	-7.58	34.07	46.00	-11.93	-	-	peak
5	376.5228	40.89	-6.81	34.08	46.00	-11.92	-	-	peak
6	754.9628	35.35	1.21	36.56	46.00	-9.44	-	-	peak

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



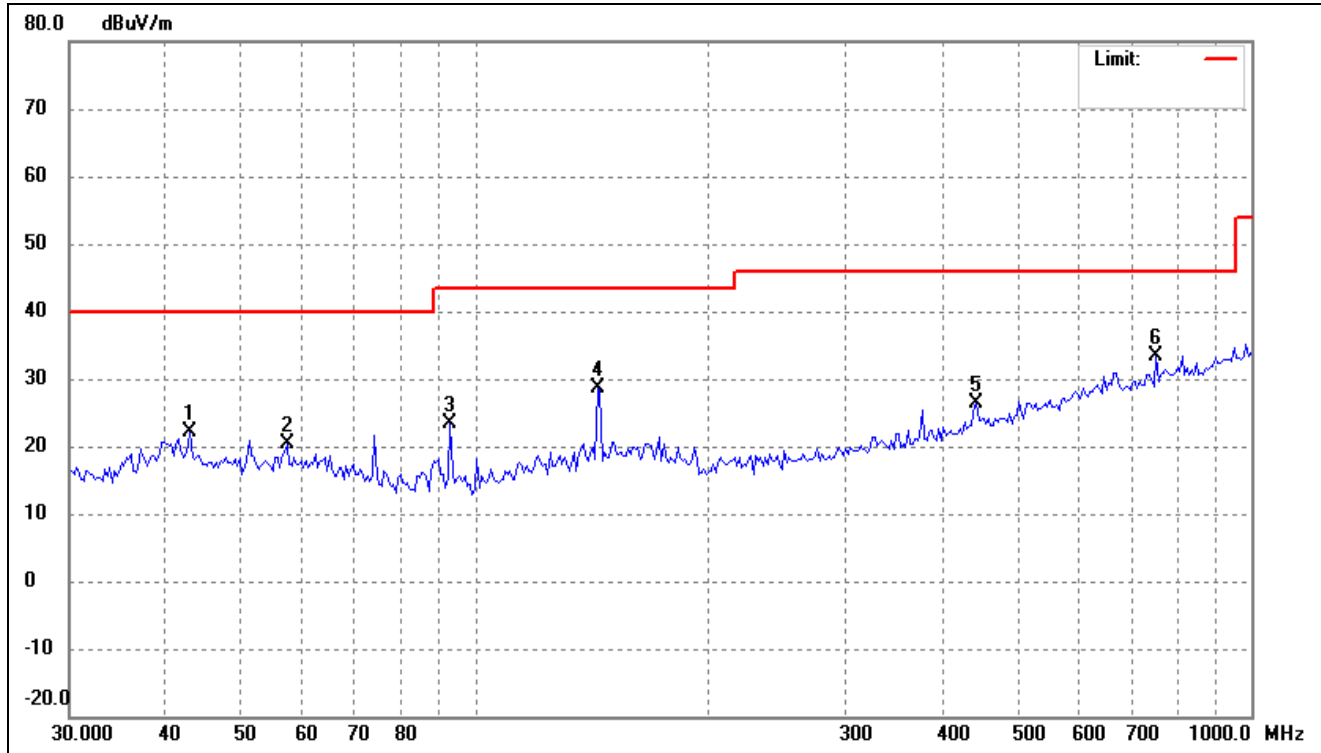
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.2995	29.81	-8.82	20.99	40.00	-19.01	-	-	peak
2	74.2696	34.18	-11.20	22.98	40.00	-17.02	-	-	peak
3	143.7760	37.27	-8.75	28.52	43.50	-14.98	-	-	peak
4	300.6988	29.62	-8.26	21.36	46.00	-24.64	-	-	peak
5	439.4730	30.78	-5.07	25.71	46.00	-20.29	-	-	peak
6	754.9628	33.05	1.21	34.26	46.00	-11.74	-	-	peak

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



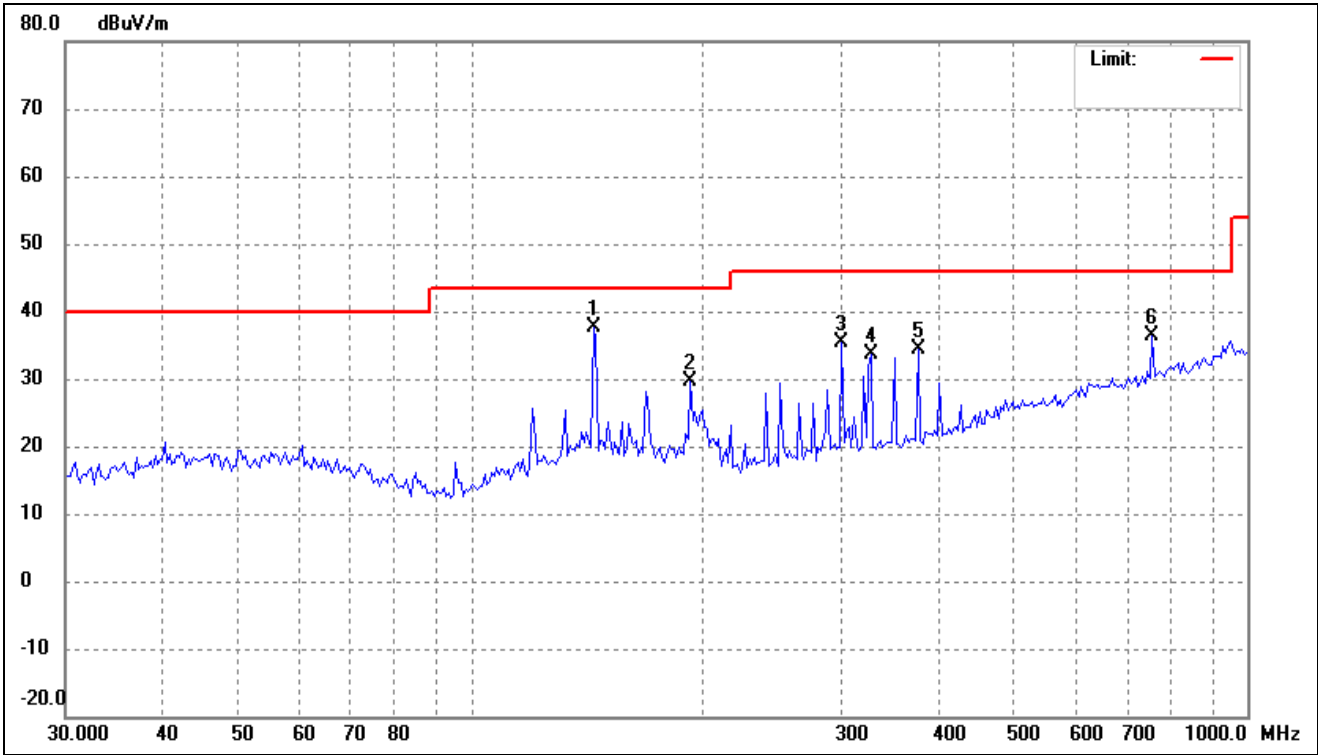
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.91	-8.75	39.16	43.50	-4.34	-	-	peak
2	191.7841	40.99	-11.31	29.68	43.50	-13.82	-	-	peak
3	300.6988	43.61	-8.26	35.35	46.00	-10.65	-	-	peak
4	327.1554	40.90	-7.58	33.32	46.00	-12.68	-	-	peak
5	376.5228	40.79	-6.81	33.98	46.00	-12.02	-	-	peak
6	754.9628	35.11	1.21	36.32	46.00	-9.68	-	-	peak

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



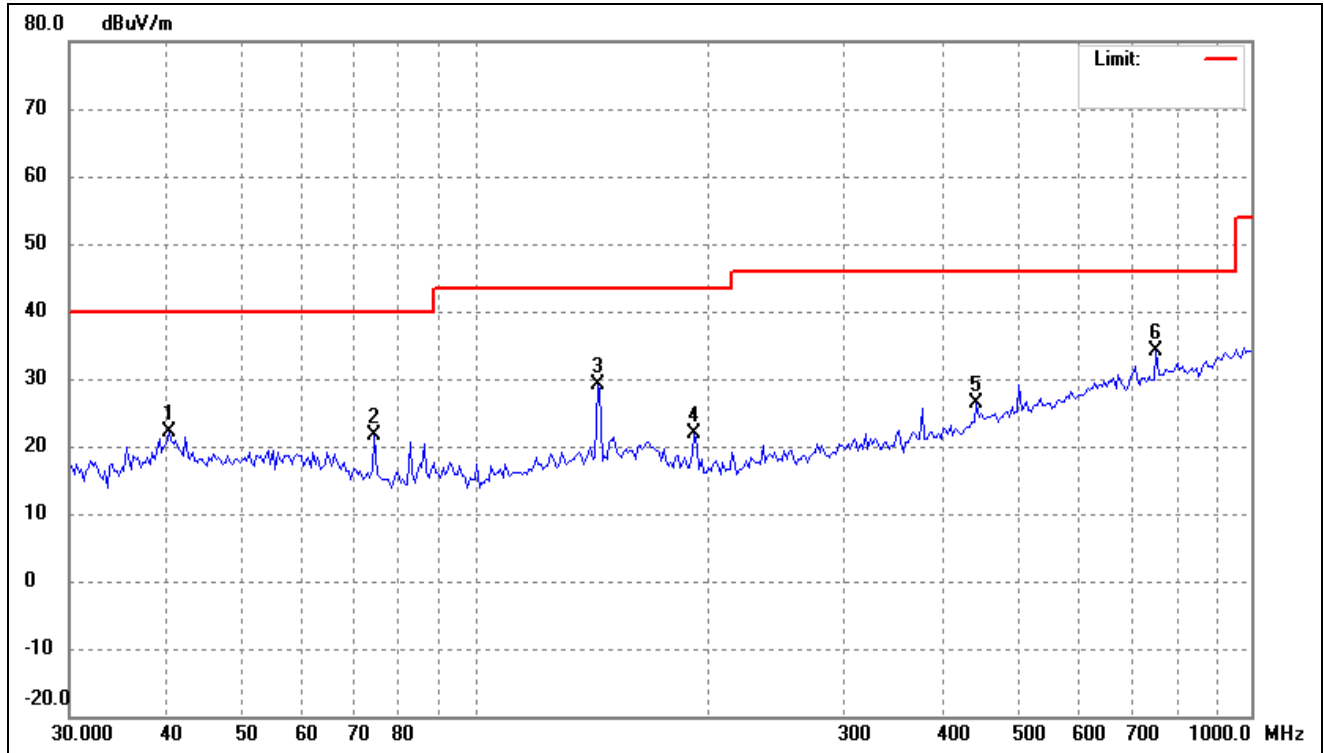
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	42.9305	30.65	-8.55	22.10	40.00	-17.90	-	-	peak
2	57.2654	28.90	-8.62	20.28	40.00	-19.72	-	-	peak
3	92.9974	37.10	-13.71	23.39	43.50	-20.11	-	-	peak
4	143.7760	37.47	-8.75	28.72	43.50	-14.78	-	-	peak
5	442.5722	31.25	-4.95	26.30	46.00	-19.70	-	-	peak
6	754.9628	32.12	1.21	33.33	46.00	-12.67	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	46.31	-8.75	37.56	43.50	-5.94	-	-	peak
2	191.7841	40.92	-11.31	29.61	43.50	-13.89	-	-	peak
3	300.6988	43.65	-8.26	35.39	46.00	-10.61	-	-	peak
4	327.1554	41.16	-7.58	33.58	46.00	-12.42	-	-	peak
5	376.5228	41.12	-6.81	34.31	46.00	-11.69	-	-	peak
6	754.9628	35.14	1.21	36.35	46.00	-9.65	-	-	peak

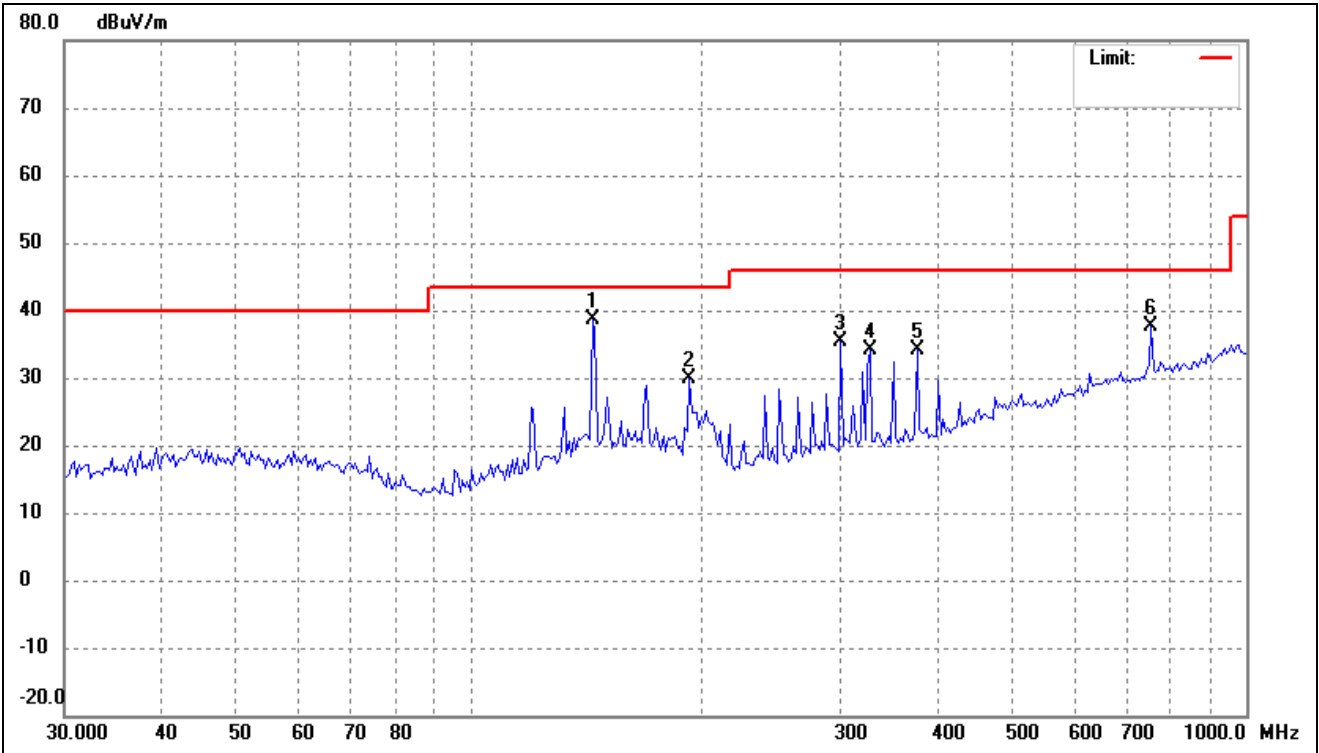
802.11n-HT40			
Test Channel	5190MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.2995	30.98	-8.82	22.16	40.00	-17.84	-	-	peak
2	74.2696	32.91	-11.20	21.71	40.00	-18.29	-	-	peak
3	143.7760	37.84	-8.75	29.09	43.50	-14.41	-	-	peak
4	191.7841	33.11	-11.31	21.80	43.50	-21.70	-	-	peak
5	442.5722	31.35	-4.95	26.40	46.00	-19.60	-	-	peak
6	754.9628	33.00	1.21	34.21	46.00	-11.79	-	-	peak

➤ 5250-5350MHz

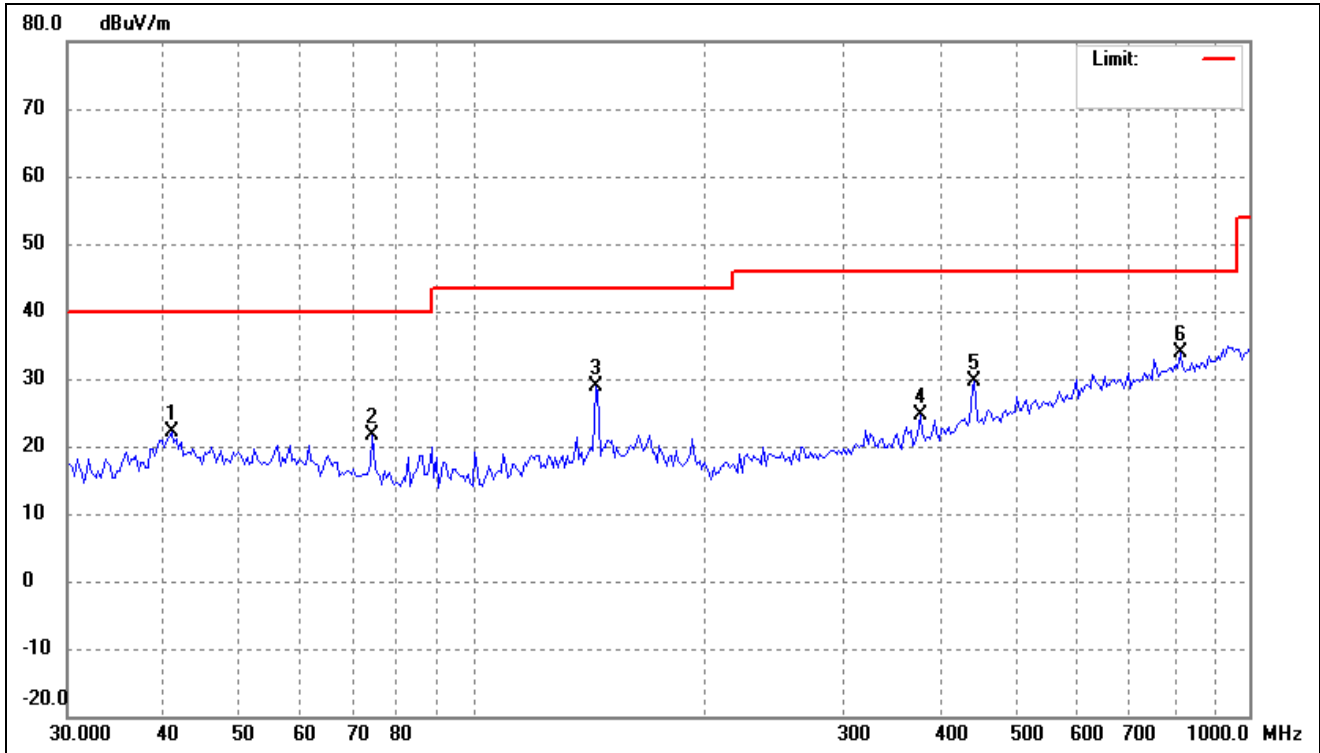
802.11a			
Test Channel	5260MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.40	-8.75	38.65	43.50	-4.85	-	-	peak
2	191.7841	41.10	-11.31	29.79	43.50	-13.71	-	-	peak
3	300.6988	43.75	-8.26	35.49	46.00	-10.51	-	-	peak
4	327.1554	41.66	-7.58	34.08	46.00	-11.92	-	-	peak
5	376.5228	40.96	-6.81	34.15	46.00	-11.85	-	-	peak
6	754.9628	36.37	1.21	37.58	46.00	-8.42	-	-	peak

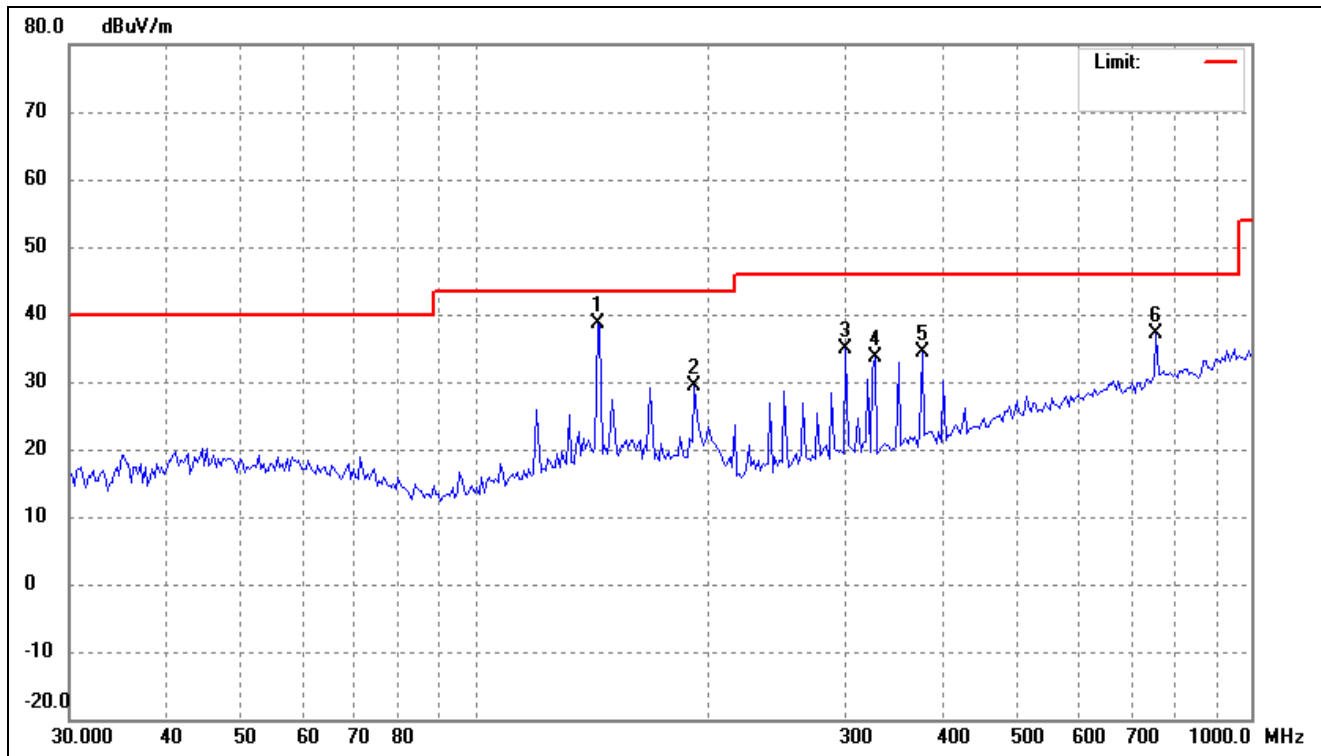
802.11a

Test Channel	5260MHz(worst case)	Polarity:	Vertical
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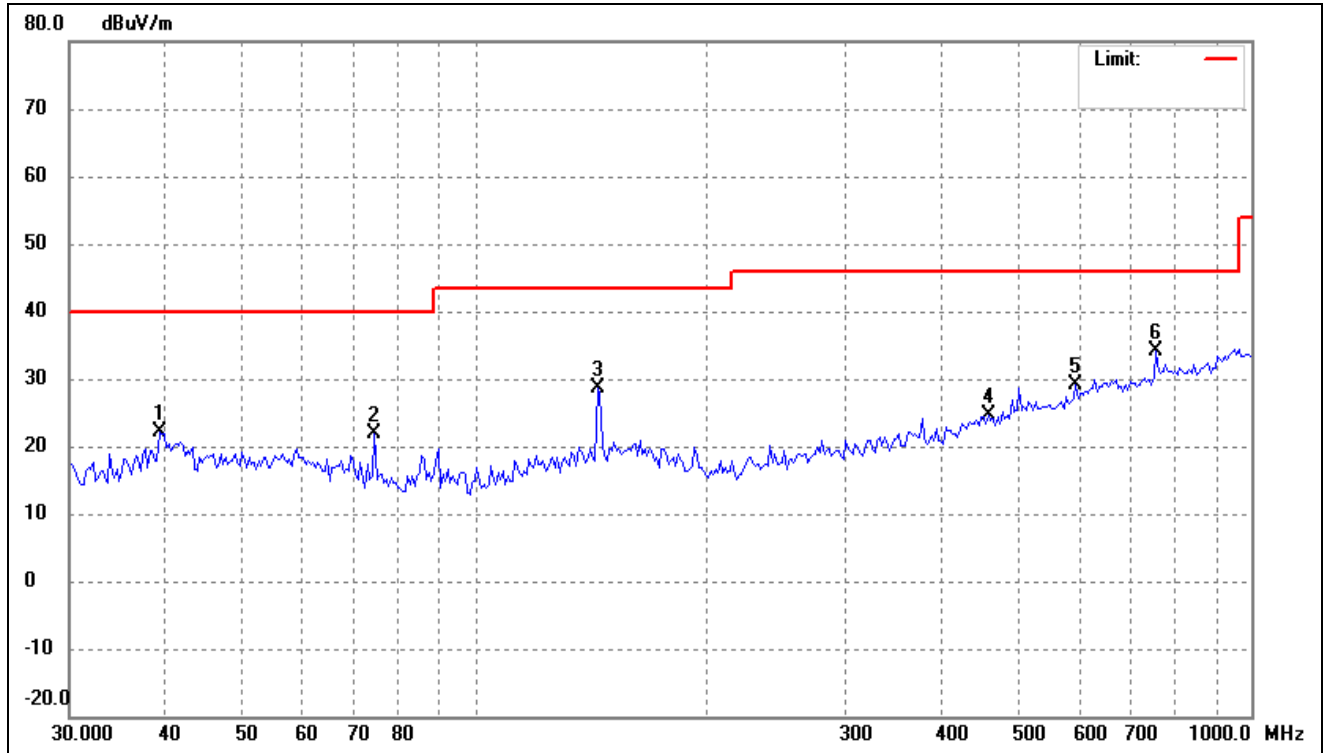
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.8699	30.84	-8.78	22.06	40.00	-17.94	-	-	peak
2	74.2696	32.83	-11.20	21.63	40.00	-18.37	-	-	peak
3	143.7760	37.74	-8.75	28.99	43.50	-14.51	-	-	peak
4	376.5228	31.33	-6.81	24.52	46.00	-21.48	-	-	peak
5	442.5722	34.66	-4.95	29.71	46.00	-16.29	-	-	peak
6	815.6353	32.15	1.71	33.86	46.00	-12.14	-	-	peak

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



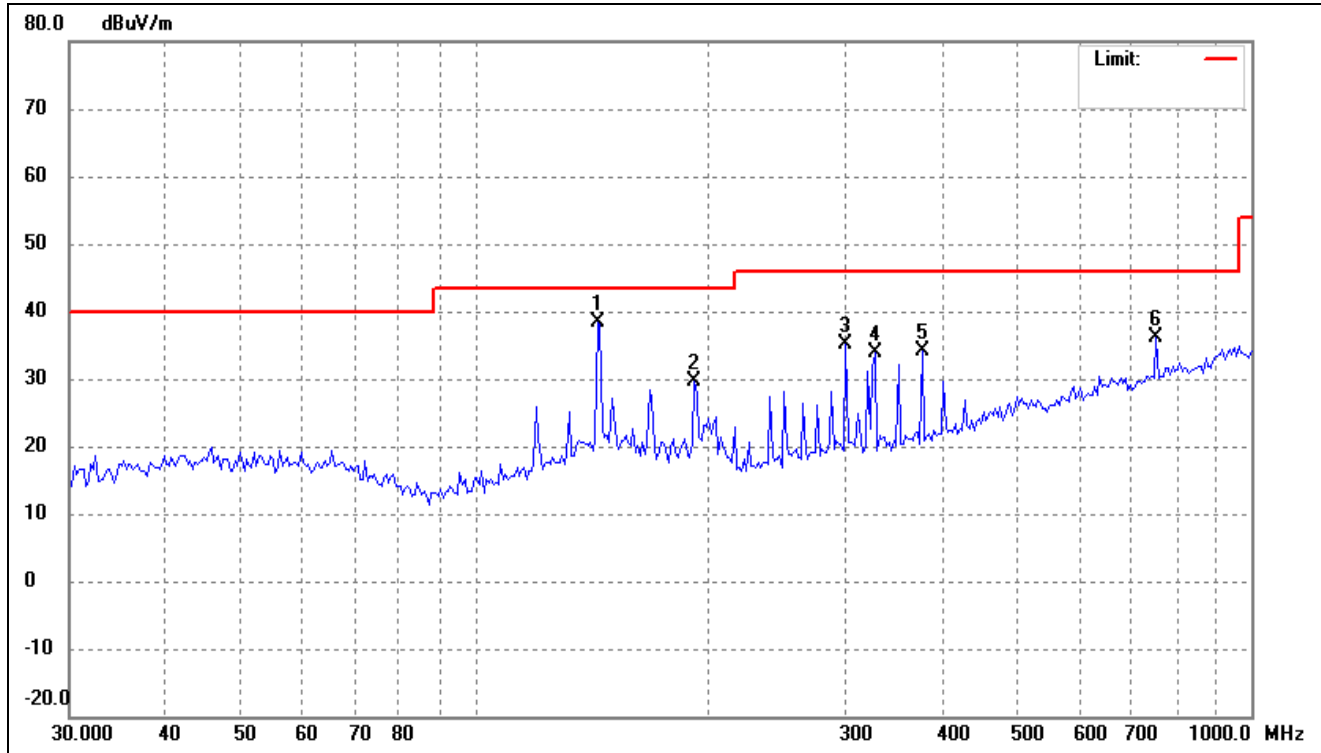
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.45	-8.75	38.70	43.50	-4.80	-	-	peak
2	191.7841	40.58	-11.31	29.27	43.50	-14.23	-	-	peak
3	300.6988	43.22	-8.26	34.96	46.00	-11.04	-	-	peak
4	327.1554	41.33	-7.58	33.75	46.00	-12.25	-	-	peak
5	376.5228	41.11	-6.81	34.30	46.00	-11.70	-	-	peak
6	754.9628	35.91	1.21	37.12	46.00	-8.88	-	-	peak

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



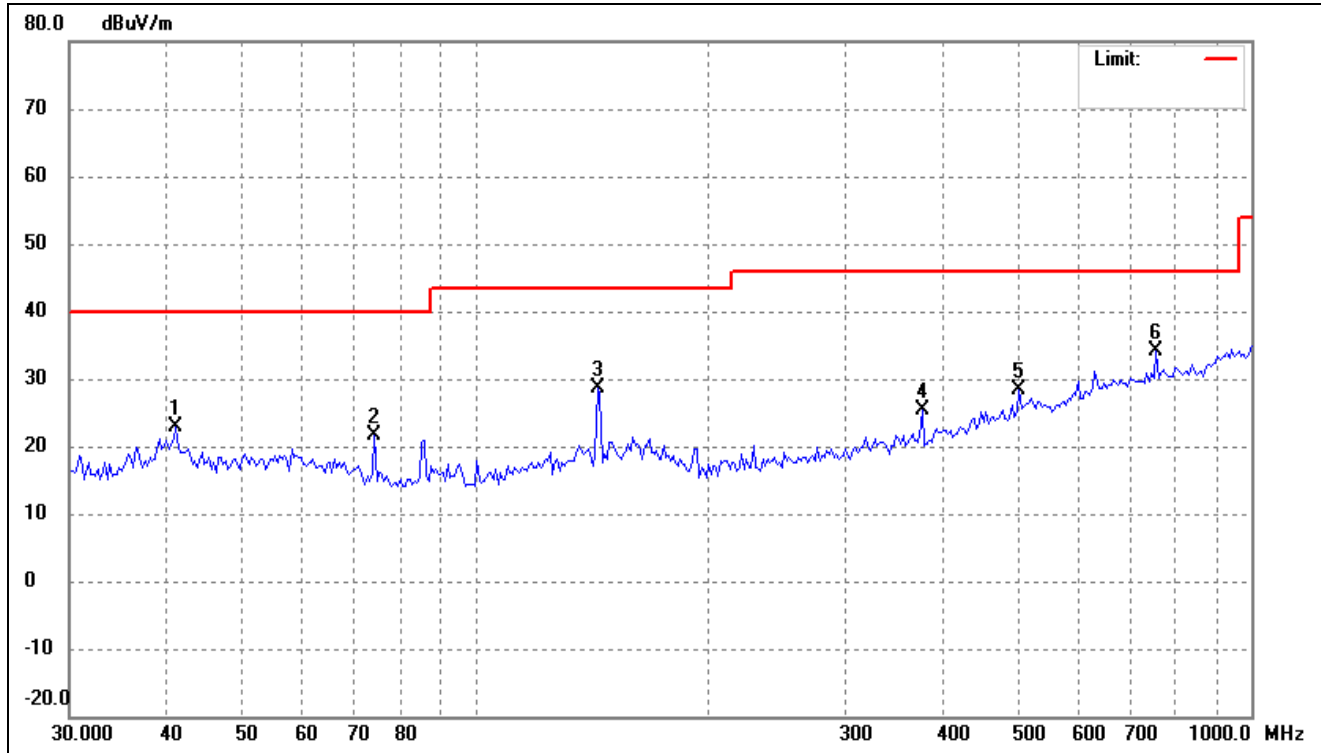
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	31.08	-8.94	22.14	40.00	-17.86	-	-	peak
2	74.2696	32.96	-11.20	21.76	40.00	-18.24	-	-	peak
3	143.7760	37.35	-8.75	28.60	43.50	-14.90	-	-	peak
4	458.3987	29.03	-4.51	24.52	46.00	-21.48	-	-	peak
5	594.5143	30.25	-1.03	29.22	46.00	-16.78	-	-	peak
6	754.9628	32.97	1.21	34.18	46.00	-11.82	-	-	peak

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



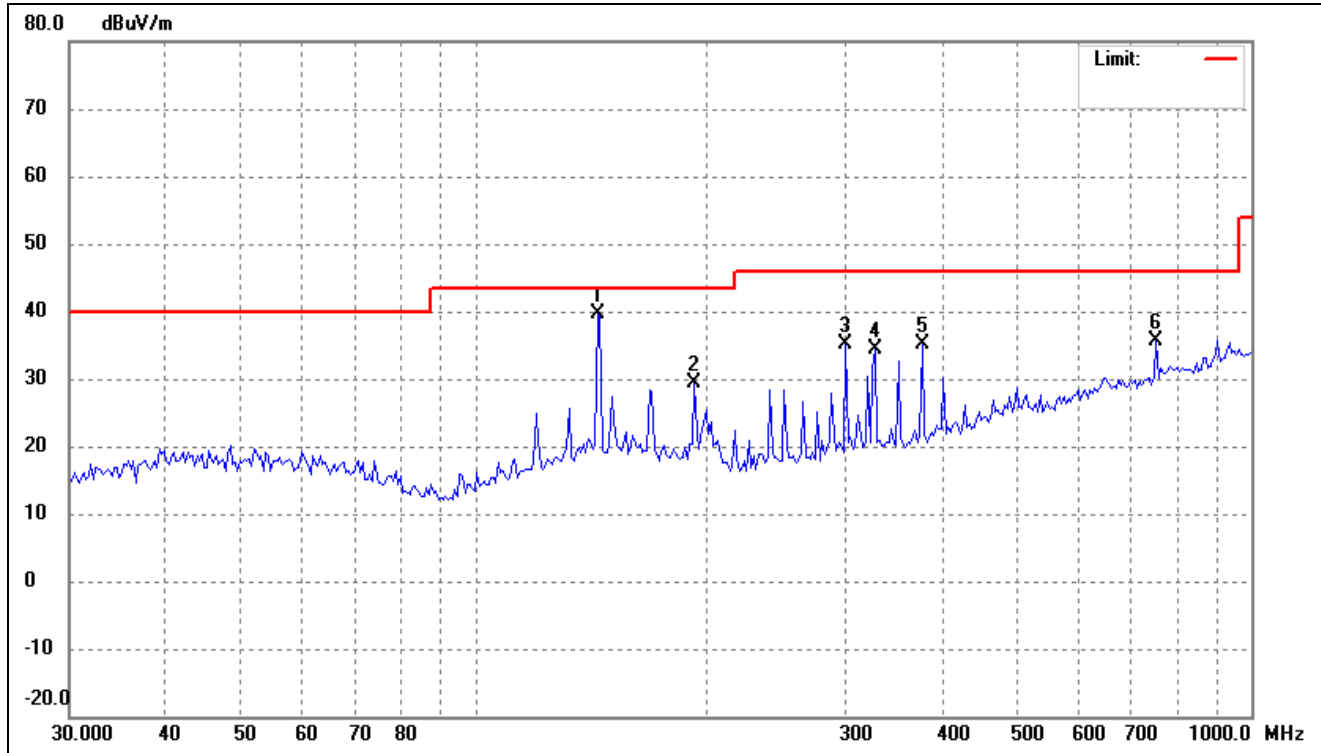
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.18	-8.75	38.43	43.50	-5.07	-	-	peak
2	191.7841	40.88	-11.31	29.57	43.50	-13.93	-	-	peak
3	300.6988	43.30	-8.26	35.04	46.00	-10.96	-	-	peak
4	327.1554	41.41	-7.58	33.83	46.00	-12.17	-	-	peak
5	376.5228	40.84	-6.81	34.03	46.00	-11.97	-	-	peak
6	754.9628	34.81	1.21	36.02	46.00	-9.98	-	-	peak

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



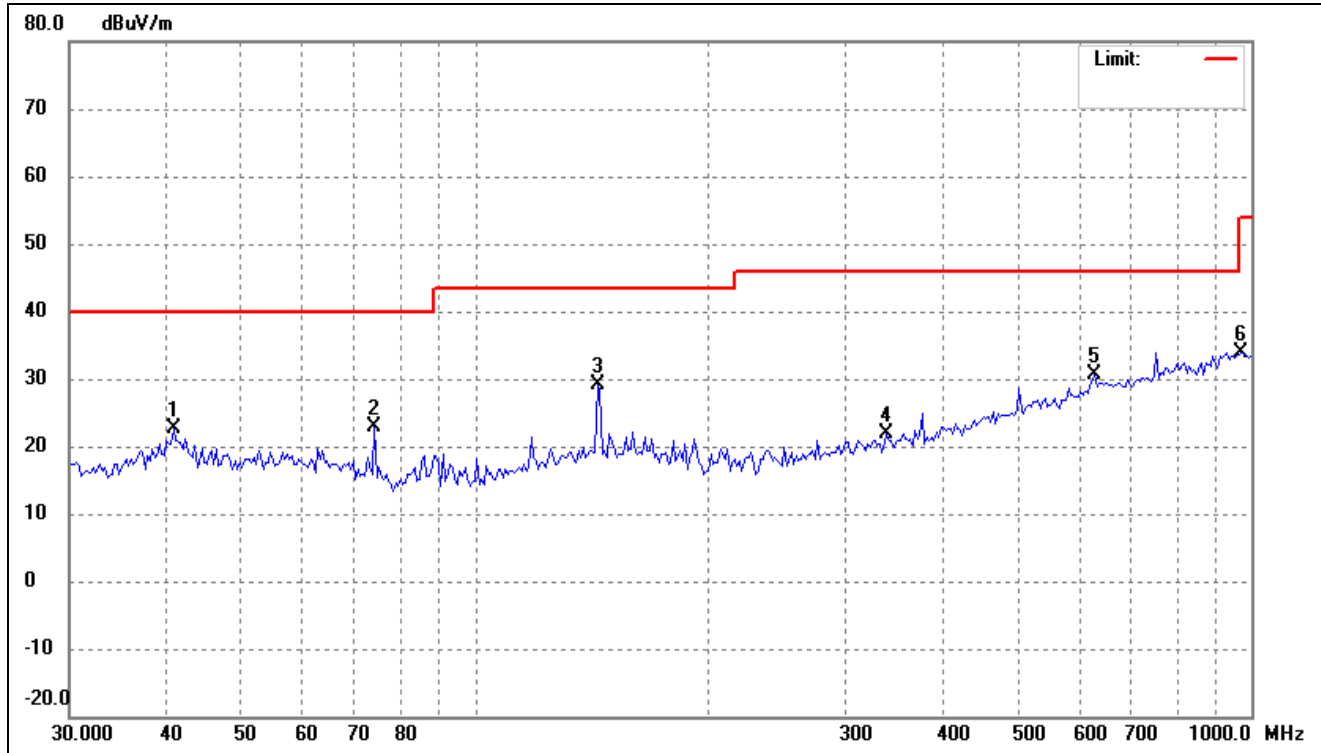
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.1581	31.73	-8.75	22.98	40.00	-17.02	-	-	peak
2	74.2696	32.88	-11.20	21.68	40.00	-18.32	-	-	peak
3	143.7760	37.40	-8.75	28.65	43.50	-14.85	-	-	peak
4	376.5228	32.27	-6.81	25.46	46.00	-20.54	-	-	peak
5	502.2473	31.76	-3.48	28.28	46.00	-17.72	-	-	peak
6	754.9628	32.80	1.21	34.01	46.00	-11.99	-	-	peak

802.11n-HT40			
Test Channel	5290MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	48.31	-8.75	39.56	43.50	-3.94	-	-	peak
2	191.7841	40.66	-11.31	29.35	43.50	-14.15	-	-	peak
3	300.6988	43.50	-8.26	35.24	46.00	-10.76	-	-	peak
4	327.1554	41.92	-7.58	34.34	46.00	-11.66	-	-	peak
5	376.5228	41.84	-6.81	35.03	46.00	-10.97	-	-	peak
6	754.9628	34.51	1.21	35.72	46.00	-10.28	-	-	peak

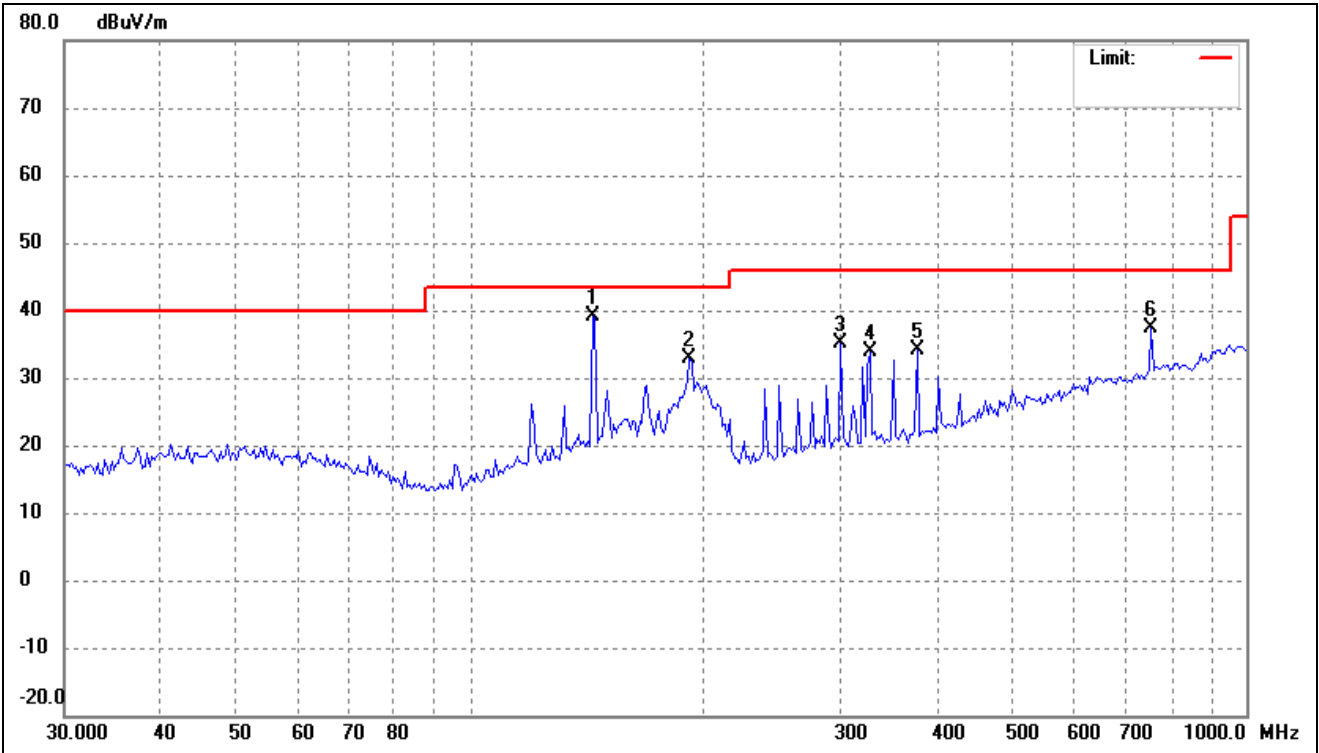
802.11n-HT40			
Test Channel	5290MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.8699	31.31	-8.78	22.53	40.00	-17.47	-	-	peak
2	74.2696	34.12	-11.20	22.92	40.00	-17.08	-	-	peak
3	143.7760	37.82	-8.75	29.07	43.50	-14.43	-	-	peak
4	338.8546	29.46	-7.50	21.96	46.00	-24.04	-	-	peak
5	628.8936	31.51	-0.80	30.71	46.00	-15.29	-	-	peak
6	972.2827	30.17	3.66	33.83	54.00	-20.17	-	-	peak

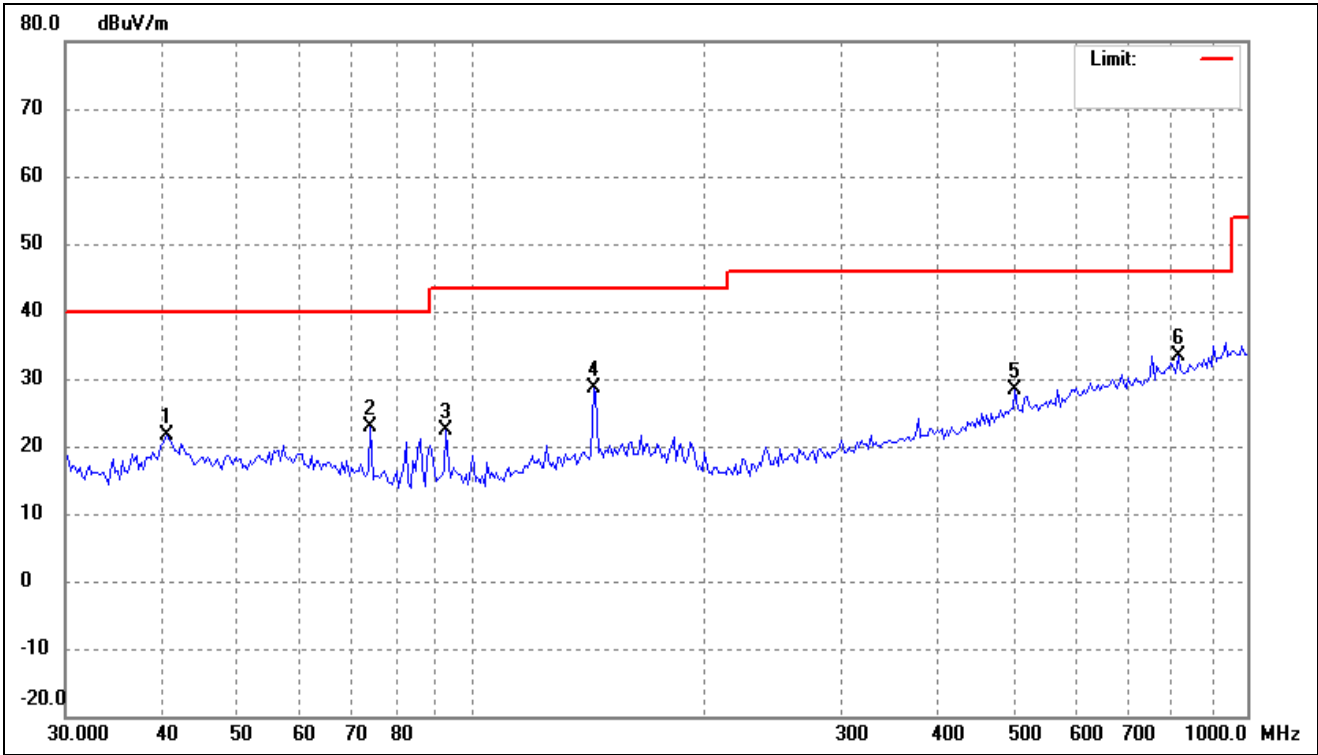
➤ 5470-5725MHz

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



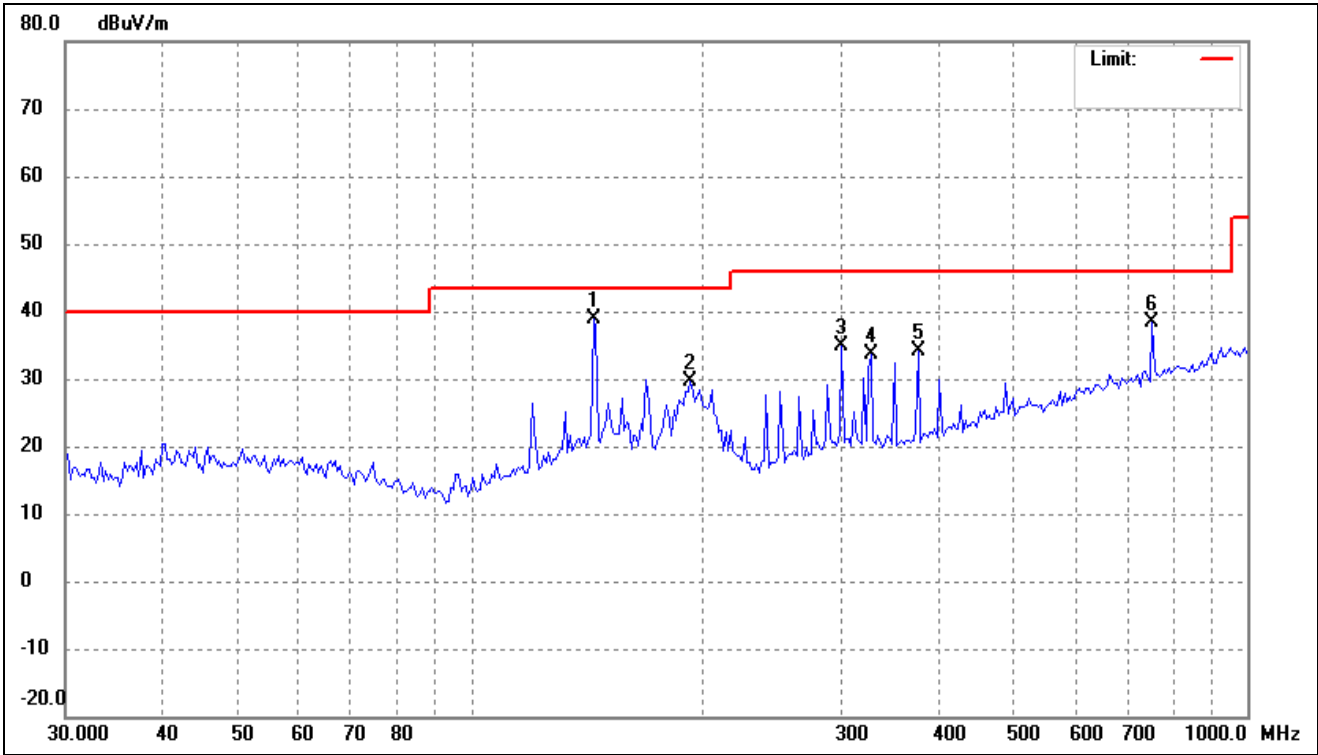
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.76	-8.75	39.01	43.50	-4.49	-	-	peak
2	191.7841	44.20	-11.31	32.89	43.50	-10.61	-	-	peak
3	300.6988	43.49	-8.26	35.23	46.00	-10.77	-	-	peak
4	327.1554	41.50	-7.58	33.92	46.00	-12.08	-	-	peak
5	376.5228	40.94	-6.81	34.13	46.00	-11.87	-	-	peak
6	754.9628	36.17	1.21	37.38	46.00	-8.62	-	-	peak

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



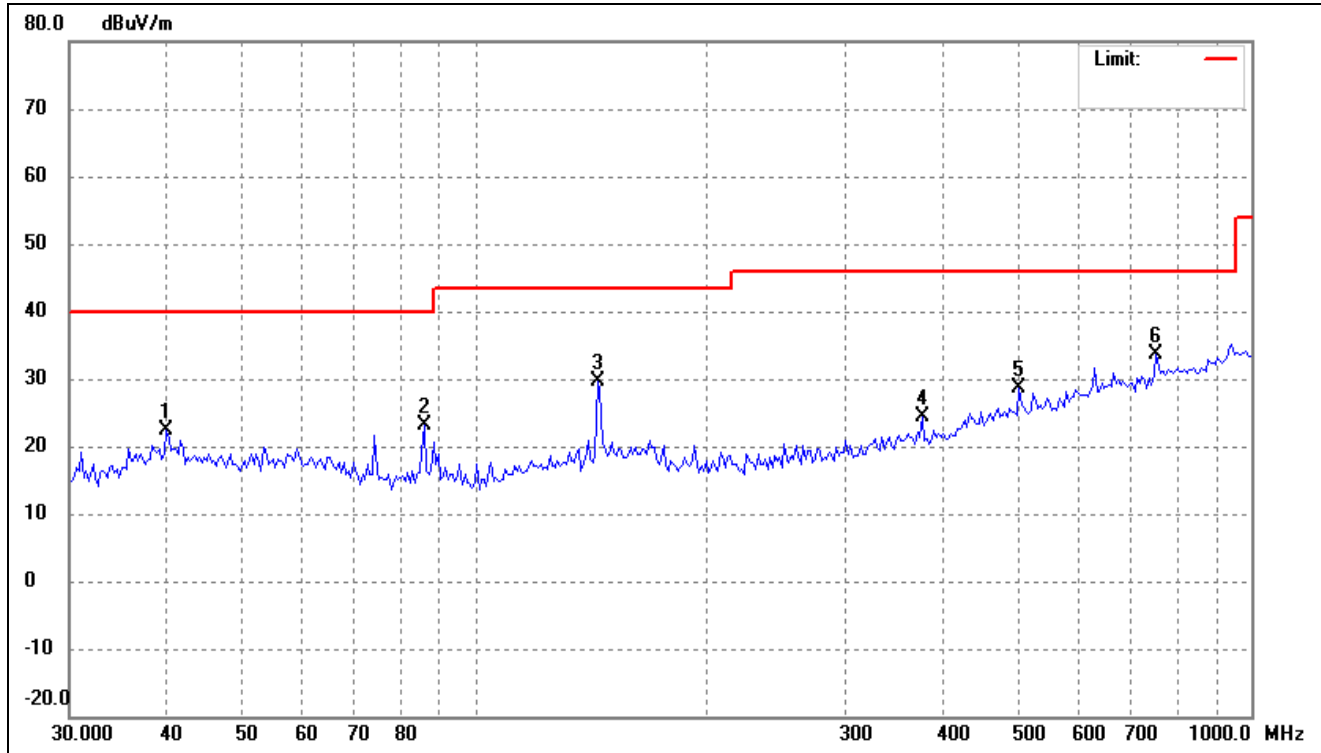
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.5837	30.40	-8.80	21.60	40.00	-18.40	-	-	peak
2	74.2696	33.97	-11.20	22.77	40.00	-17.23	-	-	peak
3	92.9974	35.97	-13.71	22.26	43.50	-21.24	-	-	peak
4	143.7760	37.27	-8.75	28.52	43.50	-14.98	-	-	peak
5	502.2473	31.85	-3.48	28.37	46.00	-17.63	-	-	peak
6	815.6353	31.61	1.71	33.32	46.00	-12.68	-	-	peak

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



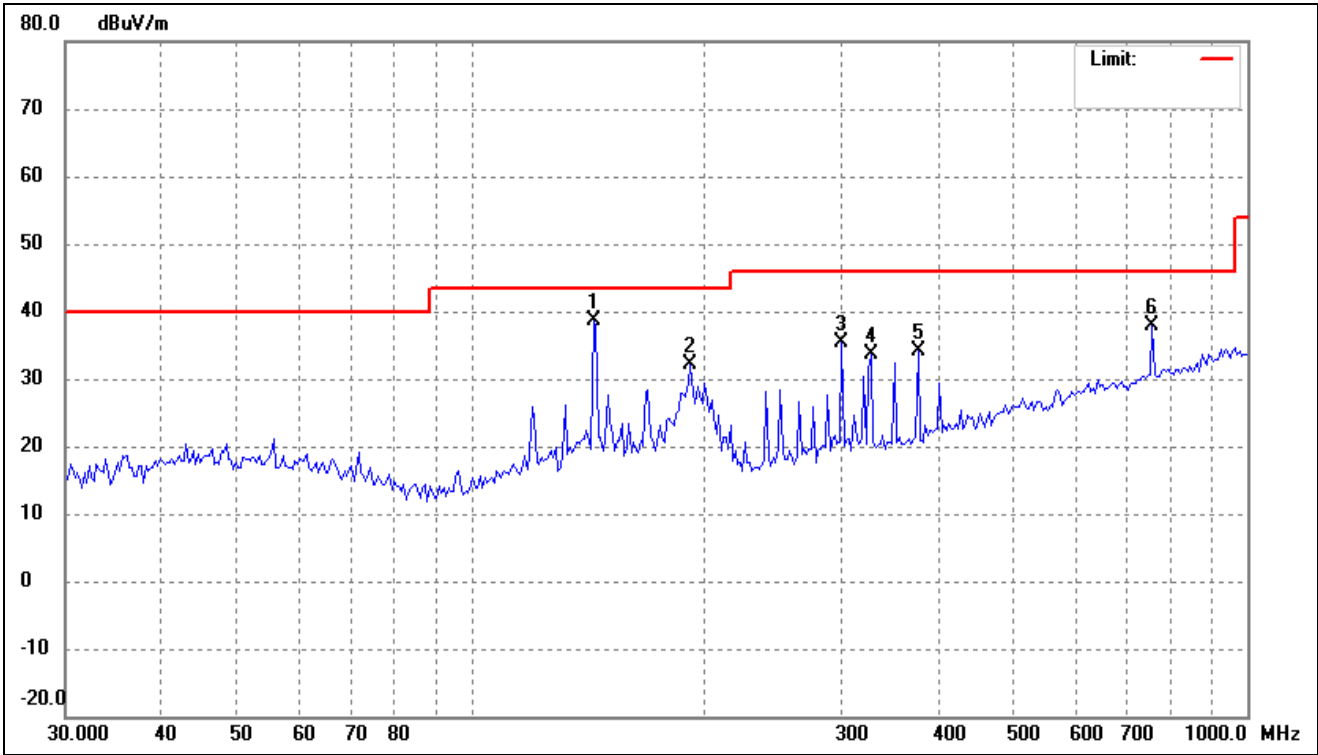
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.51	-8.75	38.76	43.50	-4.74	-	-	peak
2	191.7841	41.03	-11.31	29.72	43.50	-13.78	-	-	peak
3	300.6988	43.15	-8.26	34.89	46.00	-11.11	-	-	peak
4	327.1554	41.17	-7.58	33.59	46.00	-12.41	-	-	peak
5	376.5228	40.82	-6.81	34.01	46.00	-11.99	-	-	peak
6	754.9628	37.12	1.21	38.33	46.00	-7.67	-	-	peak

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



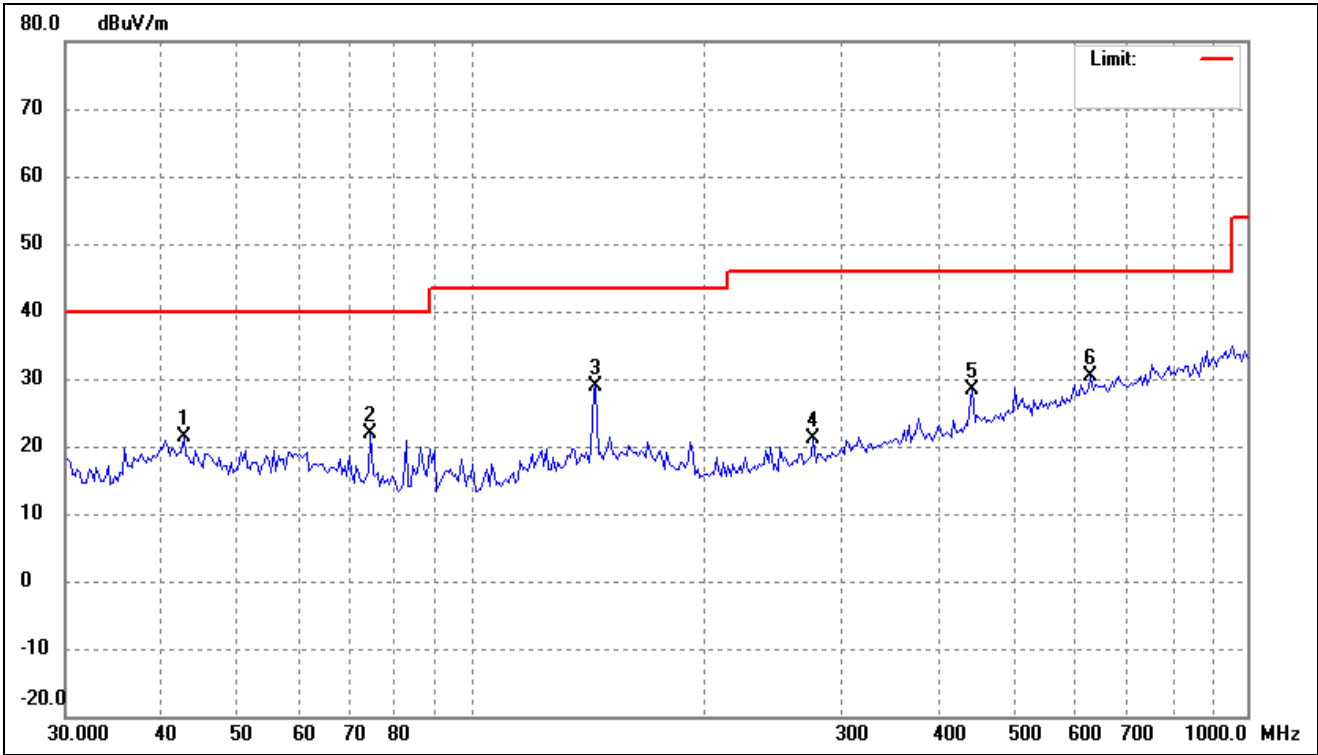
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.0173	31.22	-8.84	22.38	40.00	-17.62	-	-	peak
2	86.0796	36.58	-13.35	23.23	40.00	-16.77	-	-	peak
3	143.7760	38.26	-8.75	29.51	43.50	-13.99	-	-	peak
4	376.5228	31.09	-6.81	24.28	46.00	-21.72	-	-	peak
5	502.2473	32.02	-3.48	28.54	46.00	-17.46	-	-	peak
6	754.9628	32.54	1.21	33.75	46.00	-12.25	-	-	peak

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



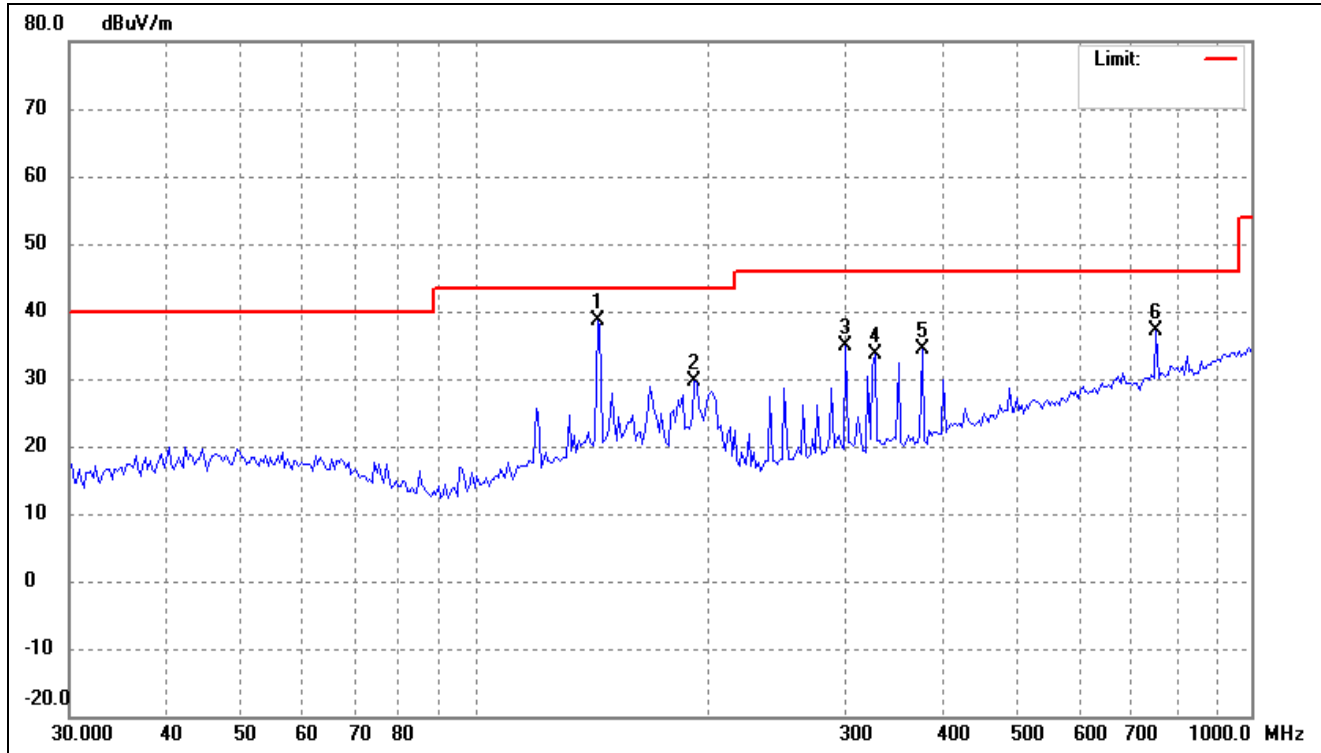
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.27	-8.75	38.52	43.50	-4.98	-	-	peak
2	191.7841	43.50	-11.31	32.19	43.50	-11.31	-	-	peak
3	300.6988	43.53	-8.26	35.27	46.00	-10.73	-	-	peak
4	327.1554	41.24	-7.58	33.66	46.00	-12.34	-	-	peak
5	376.5228	40.96	-6.81	34.15	46.00	-11.85	-	-	peak
6	754.9628	36.64	1.21	37.85	46.00	-8.15	-	-	peak

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



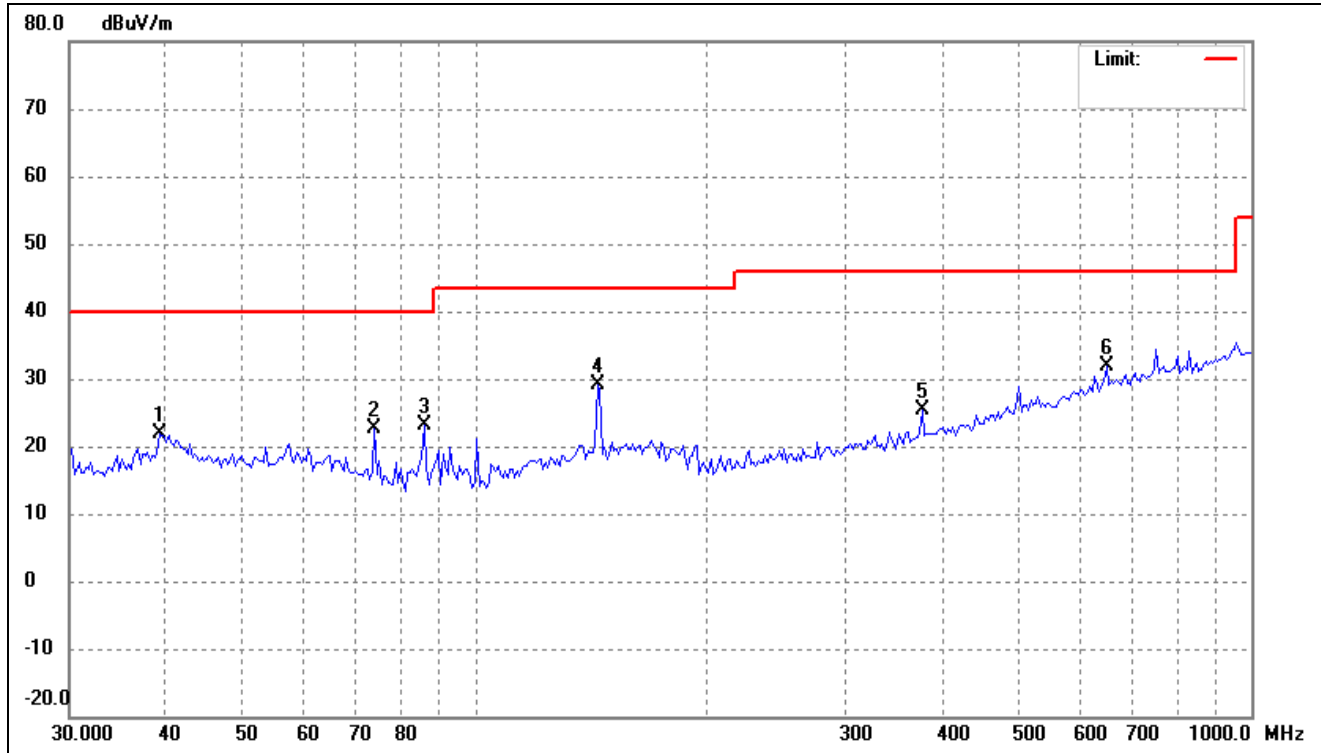
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	42.6299	29.93	-8.58	21.35	40.00	-18.65	-	-	peak
2	74.2696	33.10	-11.20	21.90	40.00	-18.10	-	-	peak
3	144.7899	37.52	-8.74	28.78	43.50	-14.72	-	-	peak
4	276.3818	30.14	-8.92	21.22	46.00	-24.78	-	-	peak
5	442.5722	33.27	-4.95	28.32	46.00	-17.68	-	-	peak
6	628.8936	31.06	-0.80	30.26	46.00	-15.74	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.33	-8.75	38.58	43.50	-4.92	-	-	peak
2	191.7841	41.00	-11.31	29.69	43.50	-13.81	-	-	peak
3	300.6988	43.19	-8.26	34.93	46.00	-11.07	-	-	peak
4	327.1554	41.09	-7.58	33.51	46.00	-12.49	-	-	peak
5	376.5228	41.07	-6.81	34.26	46.00	-11.74	-	-	peak
6	754.9628	36.02	1.21	37.23	46.00	-8.77	-	-	peak

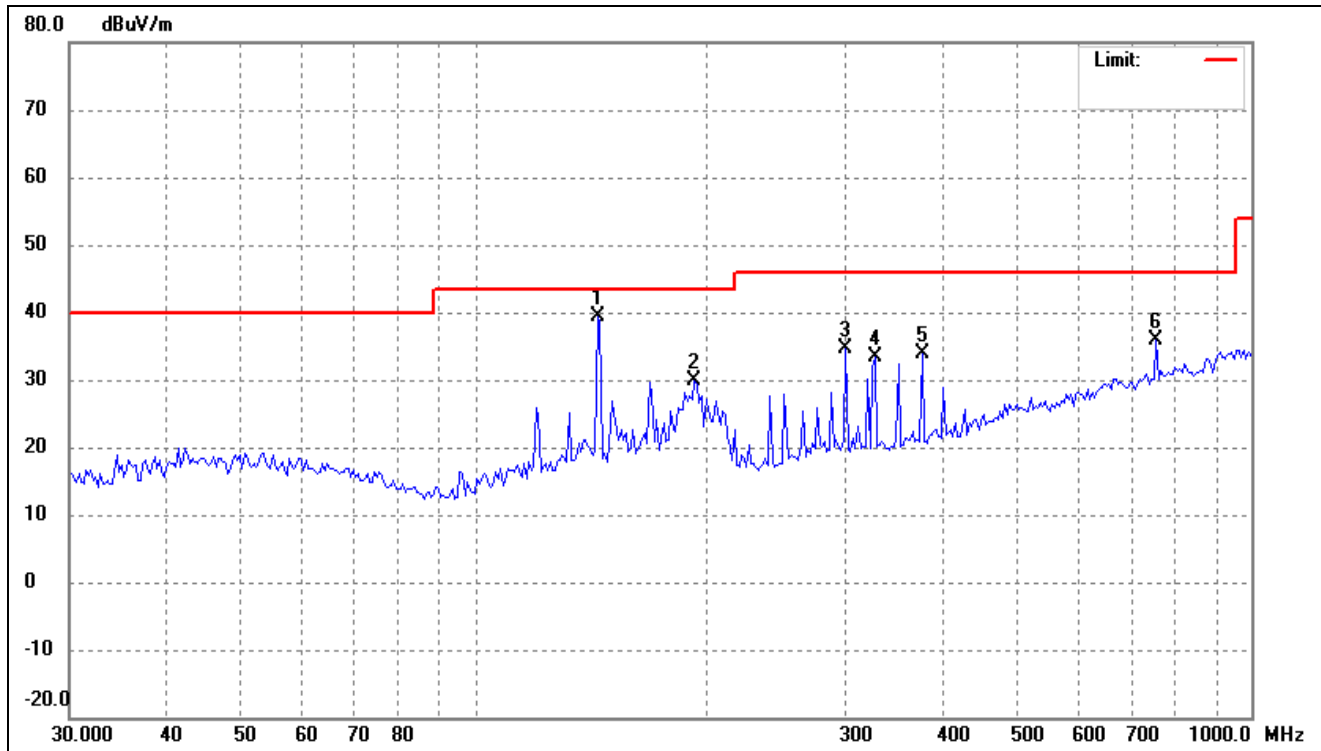
802.11n-HT40			
Test Channel	5510MHz(worst case)	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	30.73	-8.94	21.79	40.00	-18.21	-	-	peak
2	74.2696	33.75	-11.20	22.55	40.00	-17.45	-	-	peak
3	86.0796	36.52	-13.35	23.17	40.00	-16.83	-	-	peak
4	143.7760	37.96	-8.75	29.21	43.50	-14.29	-	-	peak
5	376.5228	32.19	-6.81	25.38	46.00	-20.62	-	-	peak
6	651.3831	32.01	-0.13	31.88	46.00	-14.12	-	-	peak

➤ 5725-5850MHz

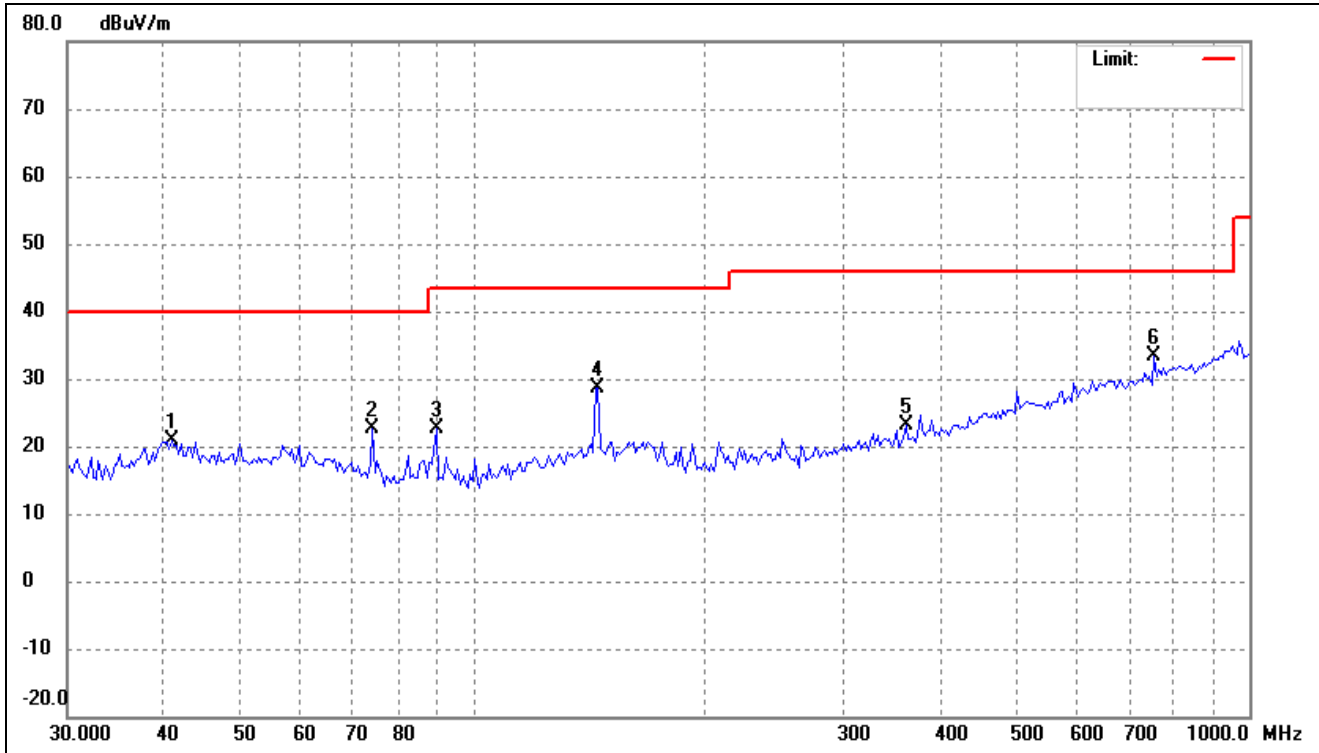
802.11a			
Test Channel	5745MHz(worst case)	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	48.25	-8.75	39.50	43.50	-4.00	-	-	peak
2	191.7841	41.26	-11.31	29.95	43.50	-13.55	-	-	peak
3	300.6988	42.93	-8.26	34.67	46.00	-11.33	-	-	peak
4	327.1554	41.03	-7.58	33.45	46.00	-12.55	-	-	peak
5	376.5228	40.76	-6.81	33.95	46.00	-12.05	-	-	peak
6	754.9628	34.56	1.21	35.77	46.00	-10.23	-	-	peak

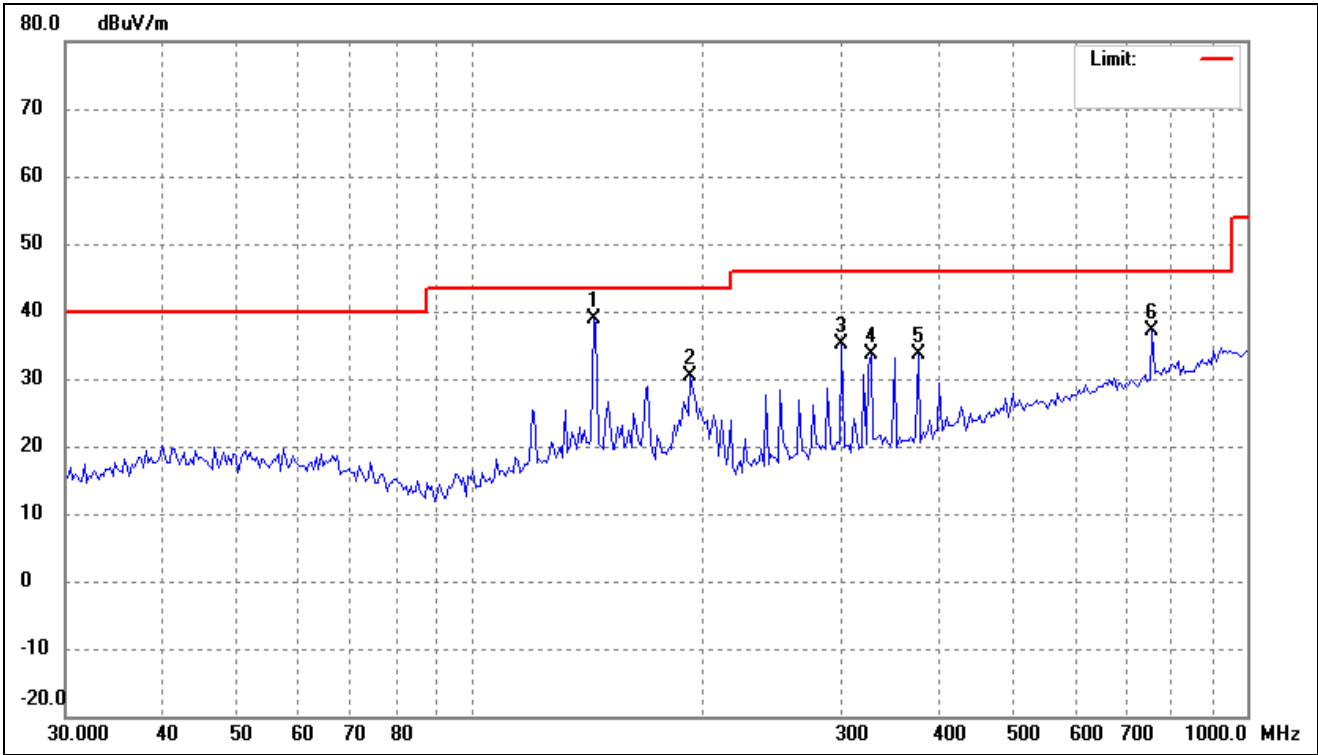
802.11a

Test Channel	5745MHz(worst case)	Polarity:	Vertical
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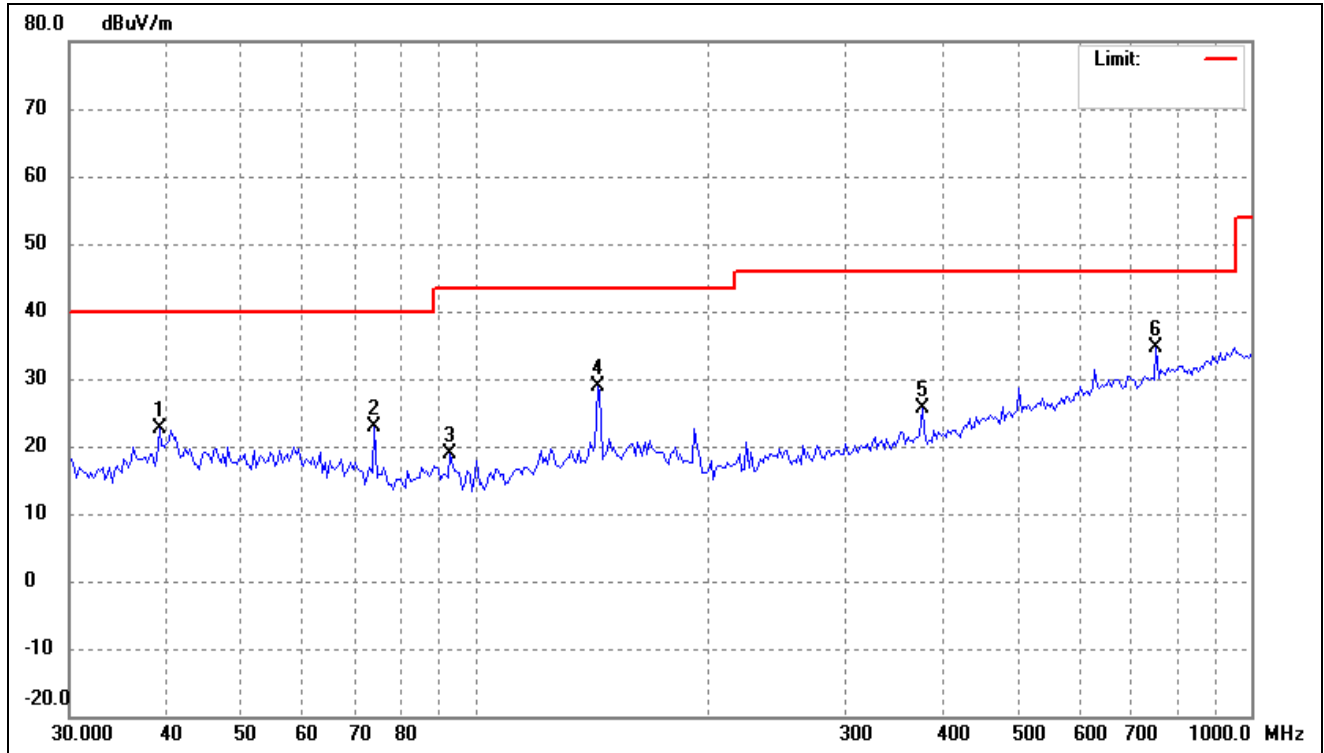
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.8699	29.54	-8.78	20.76	40.00	-19.24	-	-	peak
2	74.2696	33.83	-11.20	22.63	40.00	-17.37	-	-	peak
3	89.7866	36.34	-13.65	22.69	43.50	-20.81	-	-	peak
4	144.7899	37.38	-8.74	28.64	43.50	-14.86	-	-	peak
5	360.9775	30.37	-7.14	23.23	46.00	-22.77	-	-	peak
6	754.9628	32.13	1.21	33.34	46.00	-12.66	-	-	peak

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



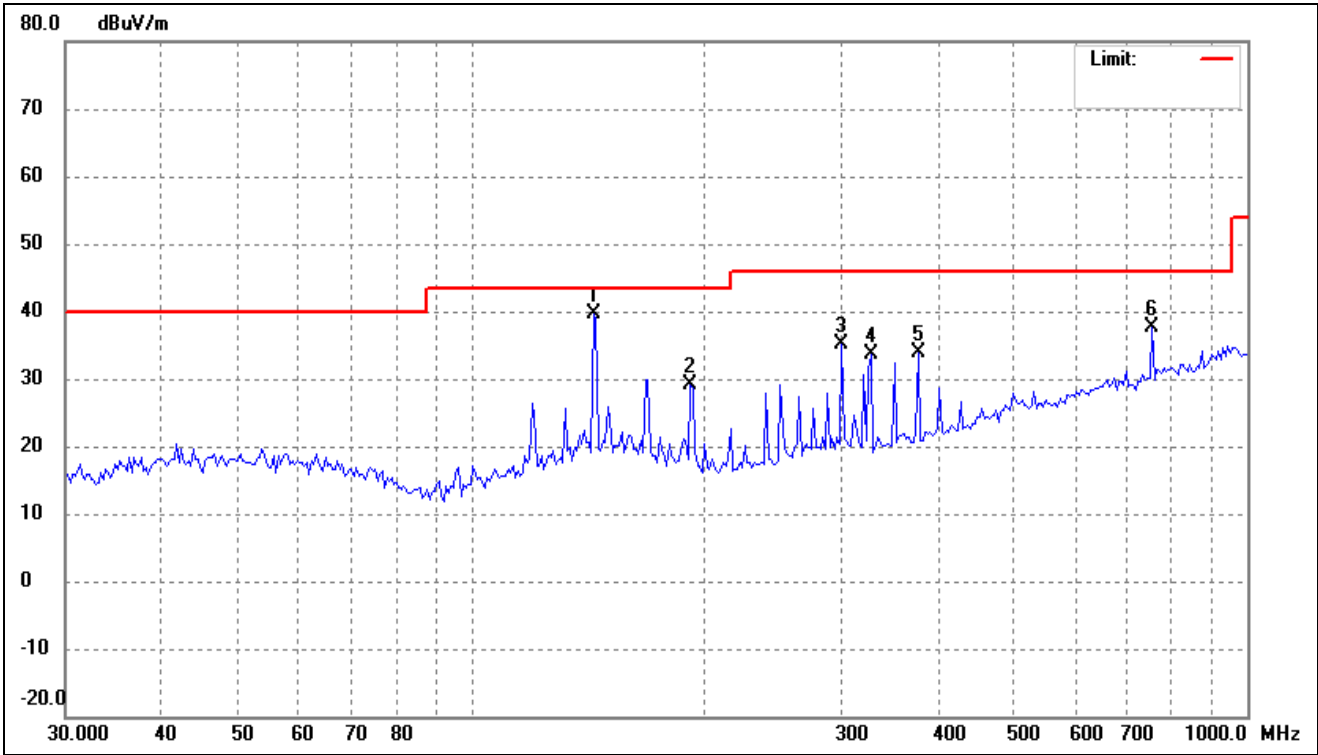
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	47.59	-8.75	38.84	43.50	-4.66	-	-	peak
2	191.7841	41.76	-11.31	30.45	43.50	-13.05	-	-	peak
3	300.6988	43.47	-8.26	35.21	46.00	-10.79	-	-	peak
4	327.1554	41.24	-7.58	33.66	46.00	-12.34	-	-	peak
5	376.5228	40.32	-6.81	33.51	46.00	-12.49	-	-	peak
6	754.9628	35.99	1.21	37.20	46.00	-8.80	-	-	peak

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



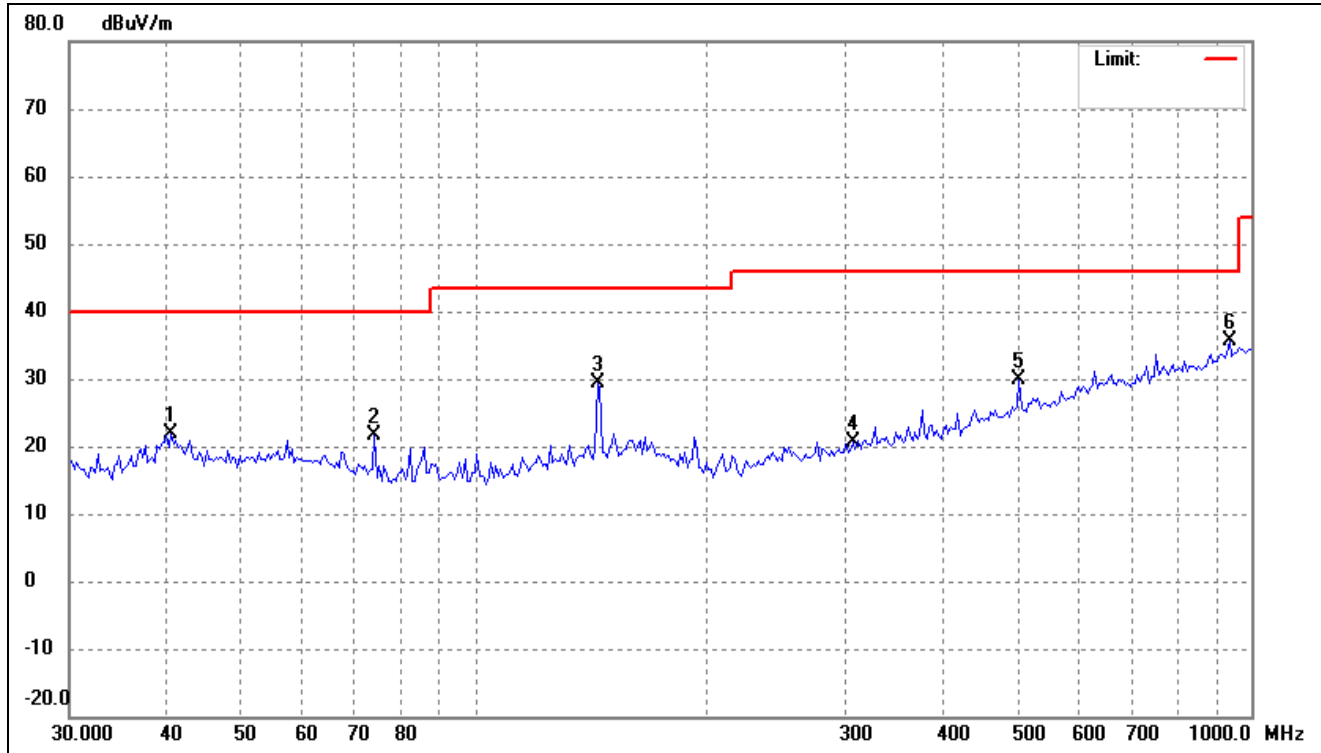
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	31.56	-8.94	22.62	40.00	-17.38	-	-	peak
2	74.2696	33.96	-11.20	22.76	40.00	-17.24	-	-	peak
3	92.9974	32.67	-13.71	18.96	43.50	-24.54	-	-	peak
4	143.7760	37.54	-8.75	28.79	43.50	-14.71	-	-	peak
5	376.5228	32.32	-6.81	25.51	46.00	-20.49	-	-	peak
6	754.9628	33.31	1.21	34.52	46.00	-11.48	-	-	peak

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



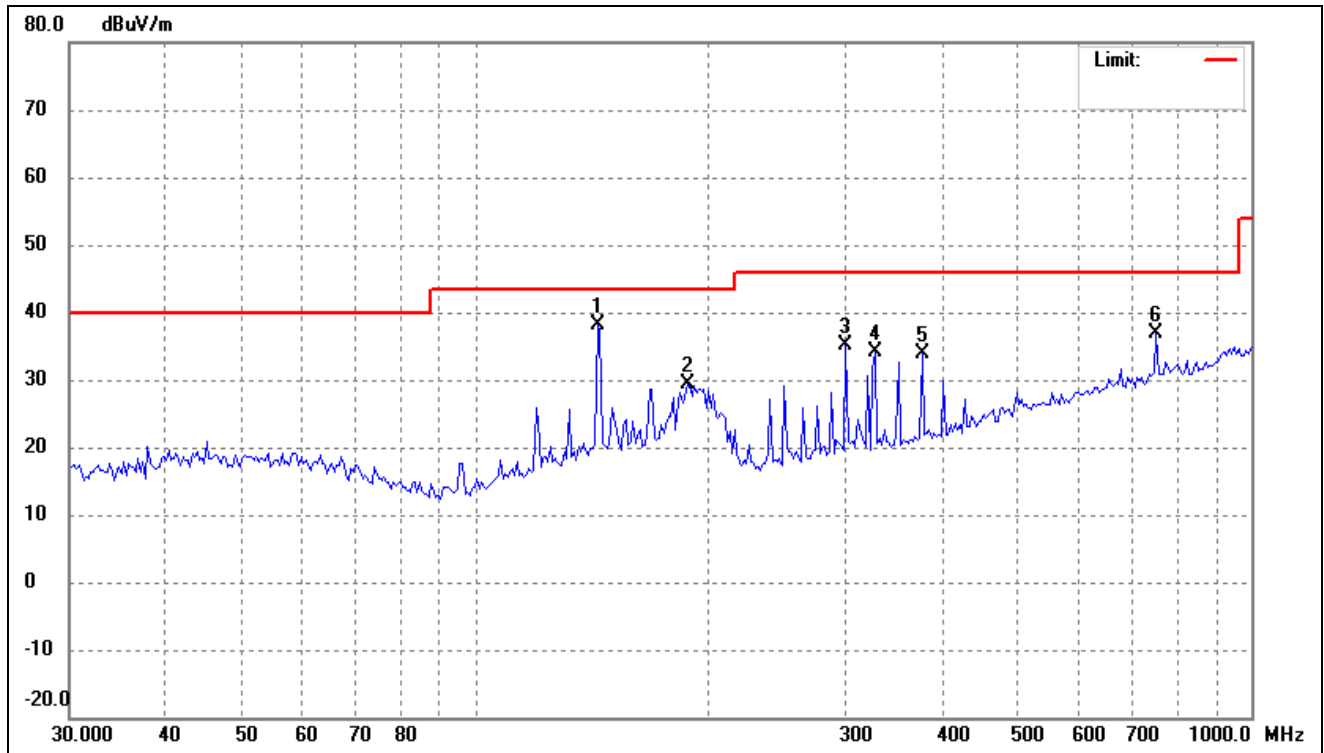
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	48.28	-8.75	39.53	43.50	-3.97	-	-	peak
2	191.7841	40.36	-11.31	29.05	43.50	-14.45	-	-	peak
3	300.6988	43.39	-8.26	35.13	46.00	-10.87	-	-	peak
4	327.1554	41.16	-7.58	33.58	46.00	-12.42	-	-	peak
5	376.5228	40.76	-6.81	33.95	46.00	-12.05	-	-	peak
6	754.9628	36.35	1.21	37.56	46.00	-8.44	-	-	peak

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



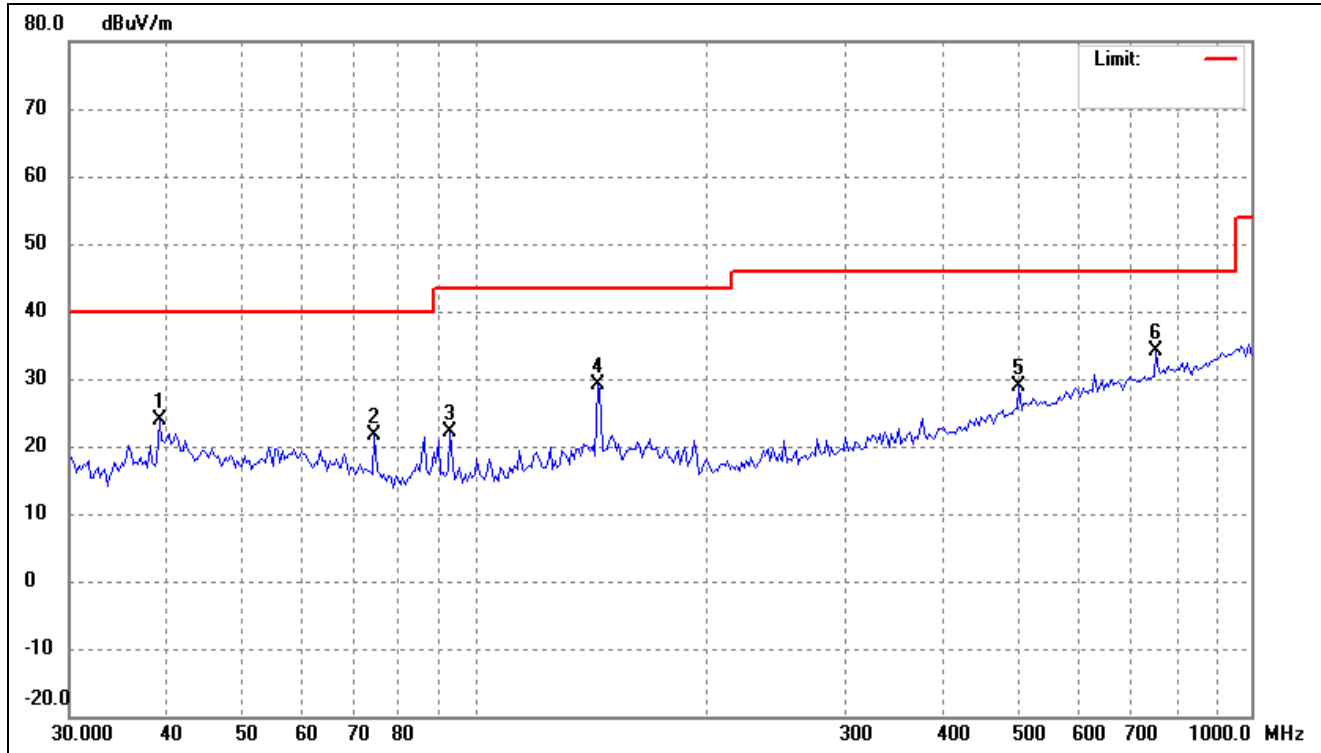
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	40.5837	30.59	-8.80	21.79	40.00	-18.21	-	-	peak
2	74.2696	32.84	-11.20	21.64	40.00	-18.36	-	-	peak
3	143.7760	38.01	-8.75	29.26	43.50	-14.24	-	-	peak
4	307.1053	28.81	-8.11	20.70	46.00	-25.30	-	-	peak
5	502.2473	33.24	-3.48	29.76	46.00	-16.24	-	-	peak
6	938.7139	32.18	3.41	35.59	46.00	-10.41	-	-	peak

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	143.7760	46.95	-8.75	38.20	43.50	-5.30	-	-	peak
2	187.7833	40.16	-10.82	29.34	43.50	-14.16	-	-	peak
3	300.6988	43.34	-8.26	35.08	46.00	-10.92	-	-	peak
4	327.1554	41.62	-7.58	34.04	46.00	-11.96	-	-	peak
5	376.5228	40.69	-6.81	33.88	46.00	-12.12	-	-	peak
6	754.9628	35.69	1.21	36.90	46.00	-9.10	-	-	peak

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



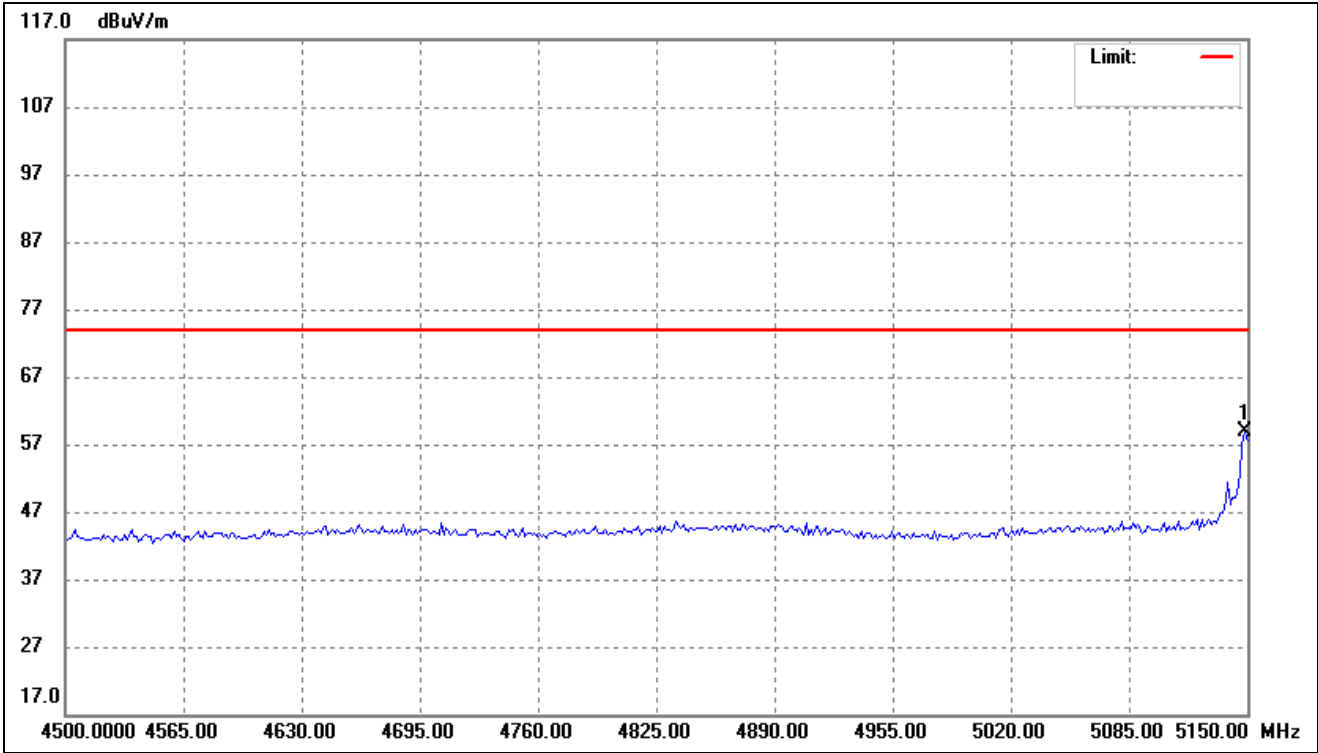
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	39.1825	32.78	-8.94	23.84	40.00	-16.16	-	-	peak
2	74.2696	32.94	-11.20	21.74	40.00	-18.26	-	-	peak
3	92.9974	35.83	-13.71	22.12	43.50	-21.38	-	-	peak
4	143.7760	37.80	-8.75	29.05	43.50	-14.45	-	-	peak
5	502.2473	32.44	-3.48	28.96	46.00	-17.04	-	-	peak
6	754.9628	32.87	1.21	34.08	46.00	-11.92	-	-	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

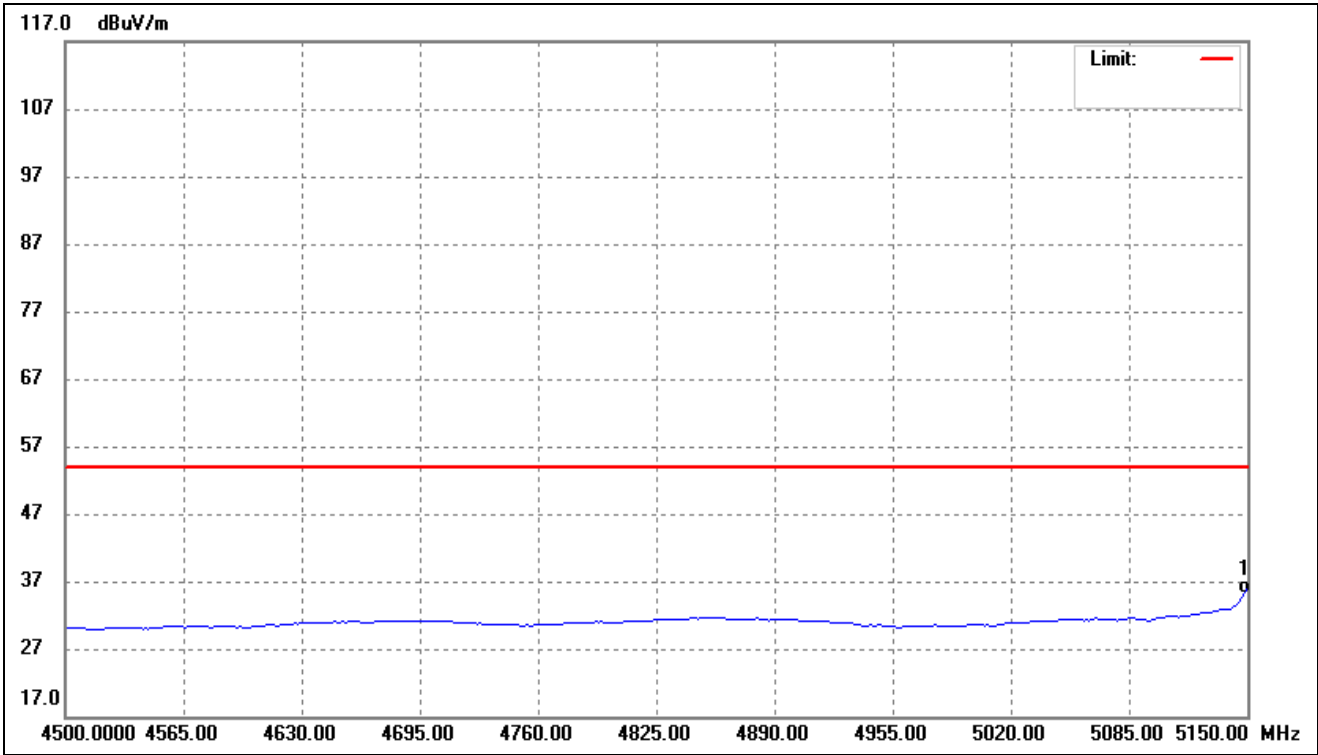
Band 1

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



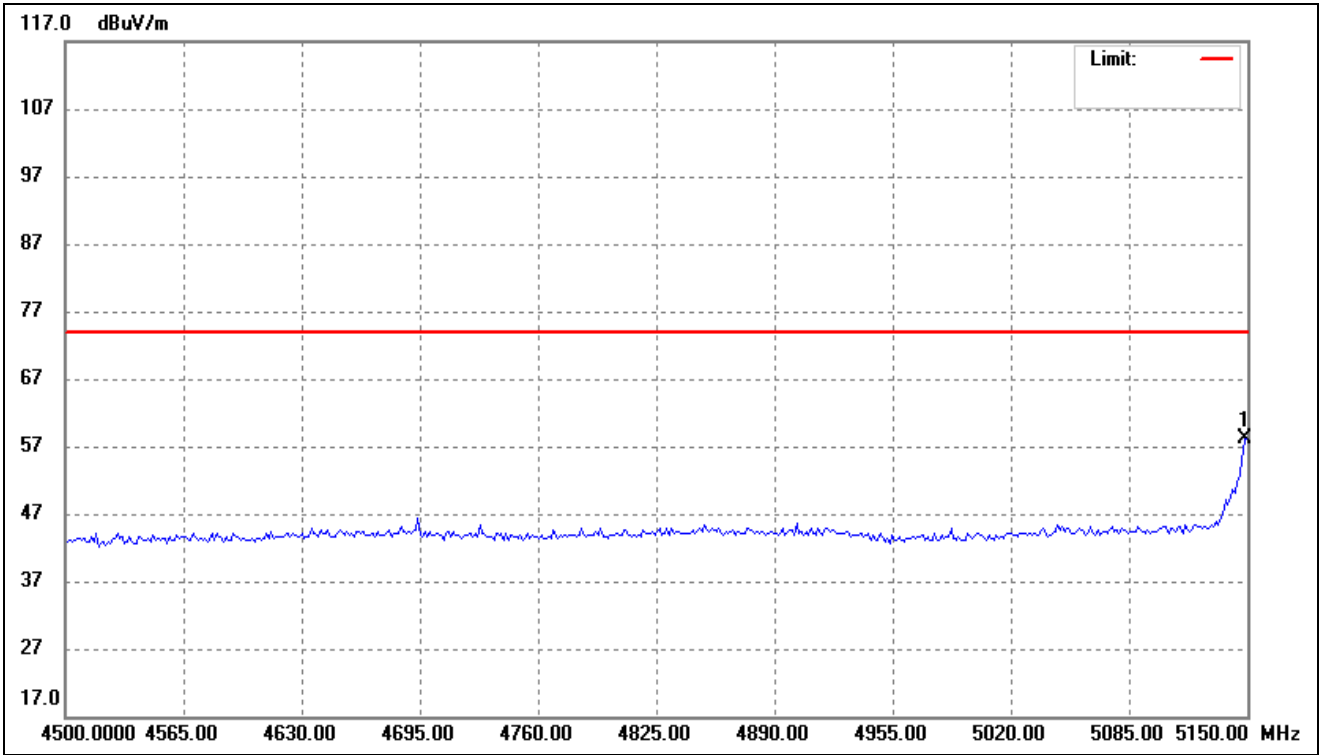
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5148.697	70.56	-11.60	58.96	74.00	-15.04	-	-	peak

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



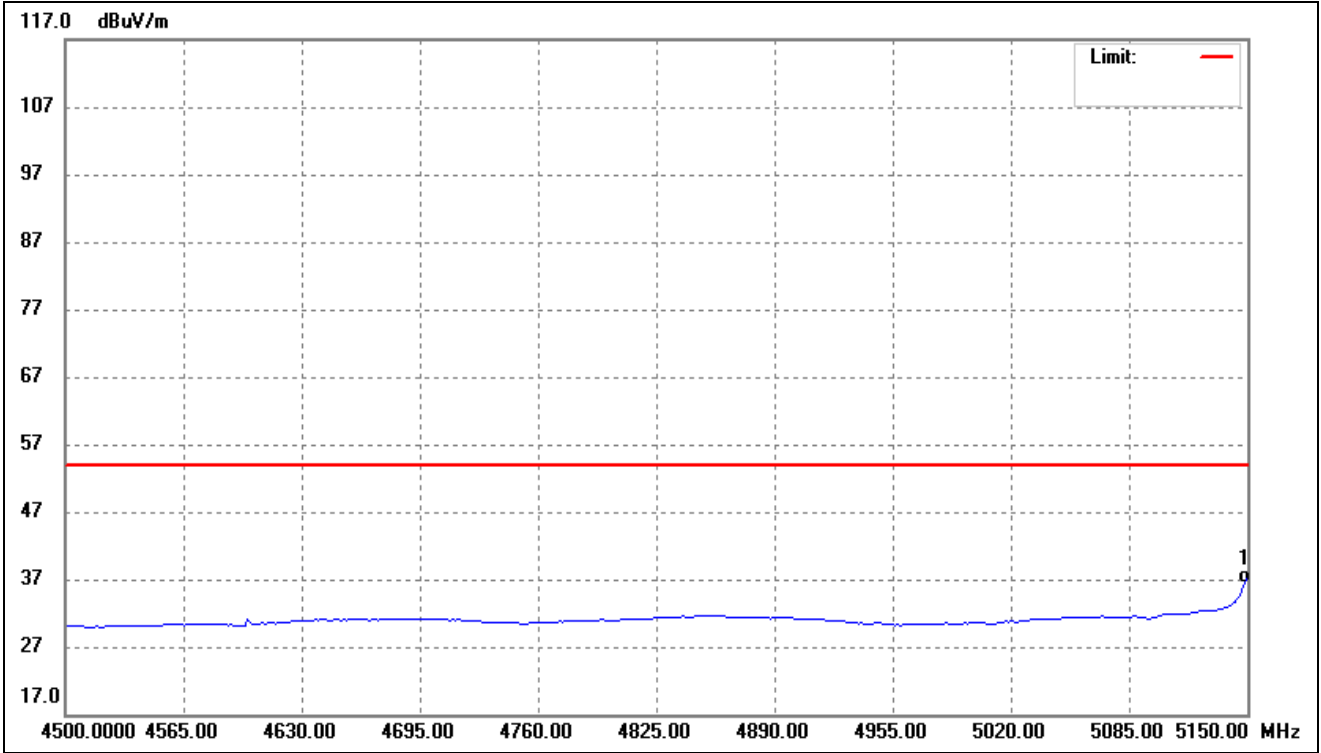
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	47.78	-11.59	36.19	54.00	-17.81	-	-	AVG

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



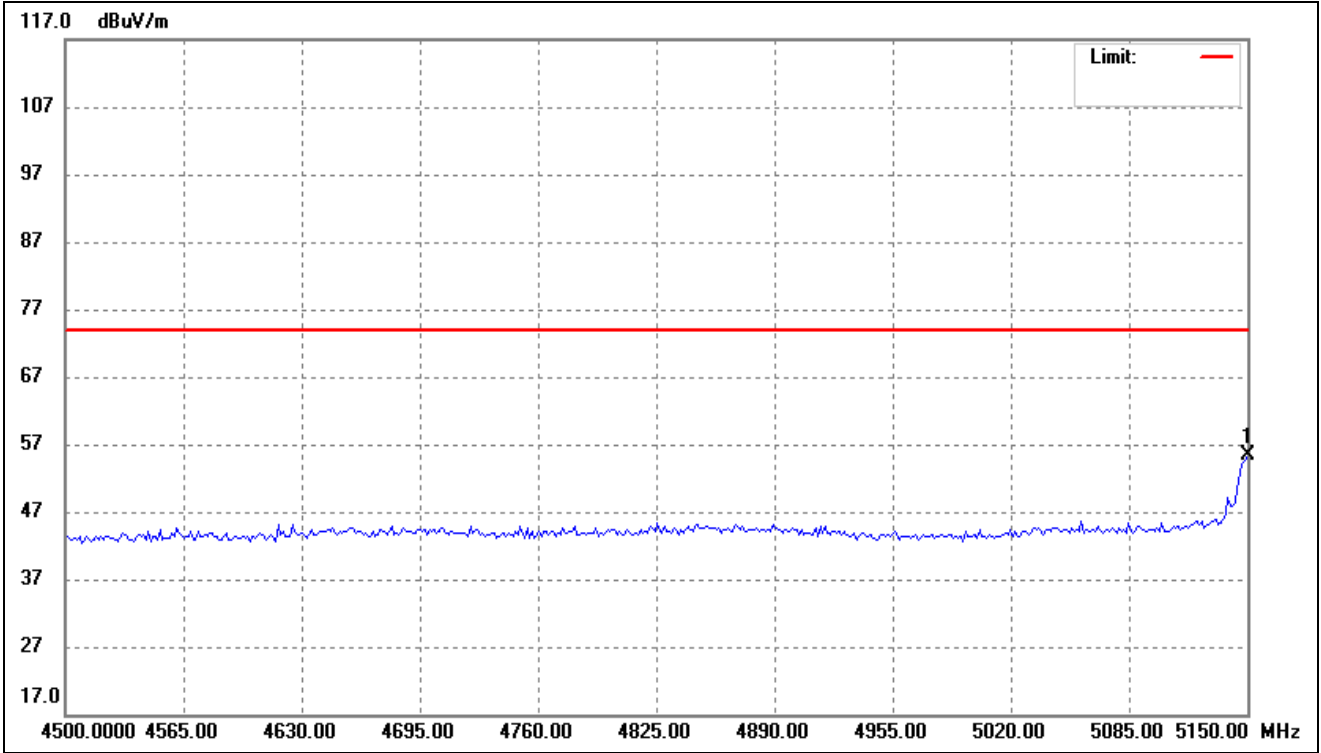
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5148.697	69.68	-11.60	58.08	74.00	-15.92	-	-	peak

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



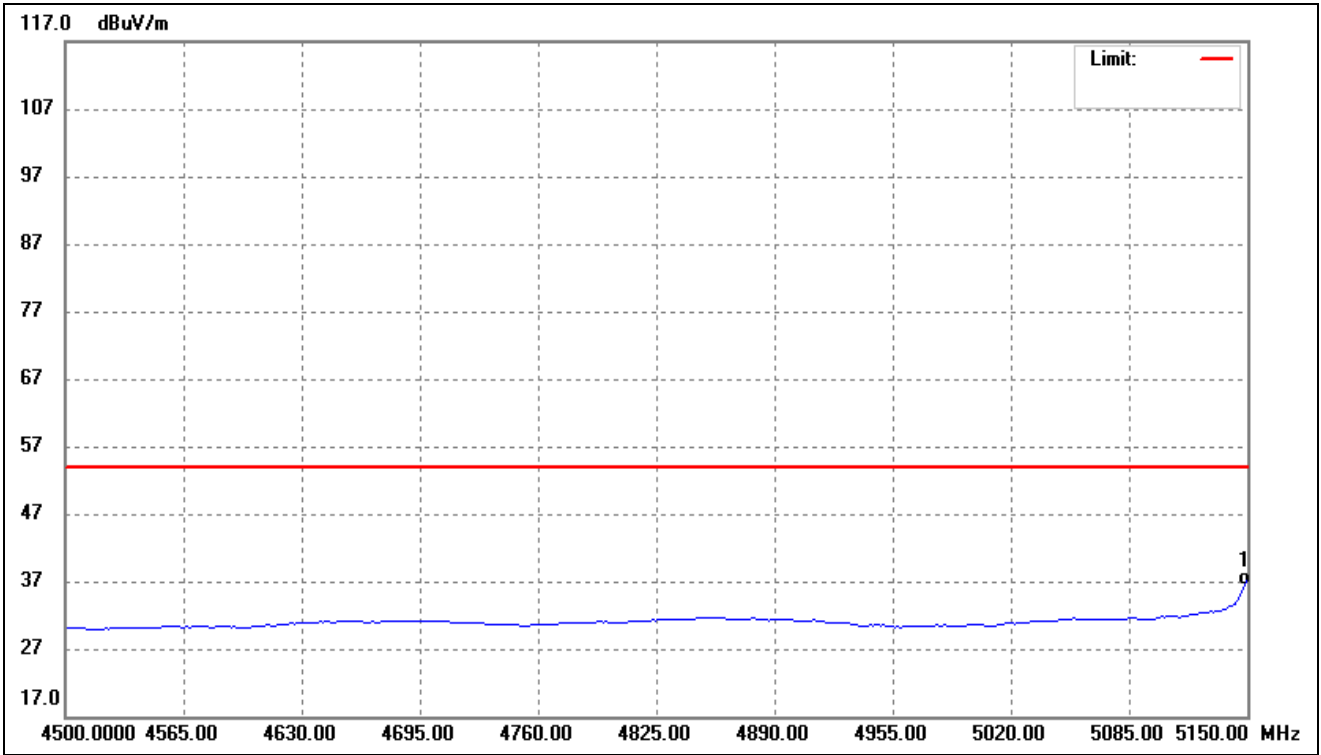
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	48.95	-11.59	37.36	54.00	-16.64	-	-	AVG

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



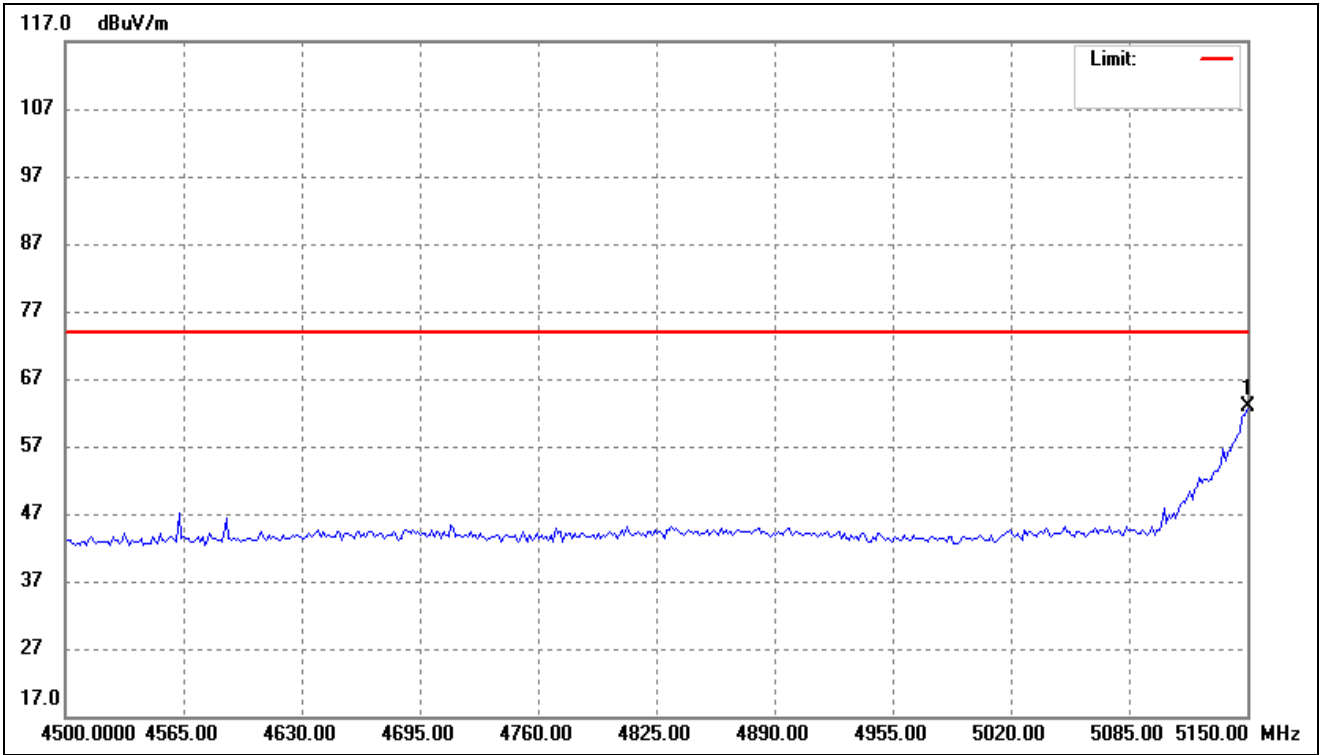
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	66.95	-11.59	55.36	74.00	-18.64	-	-	peak

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



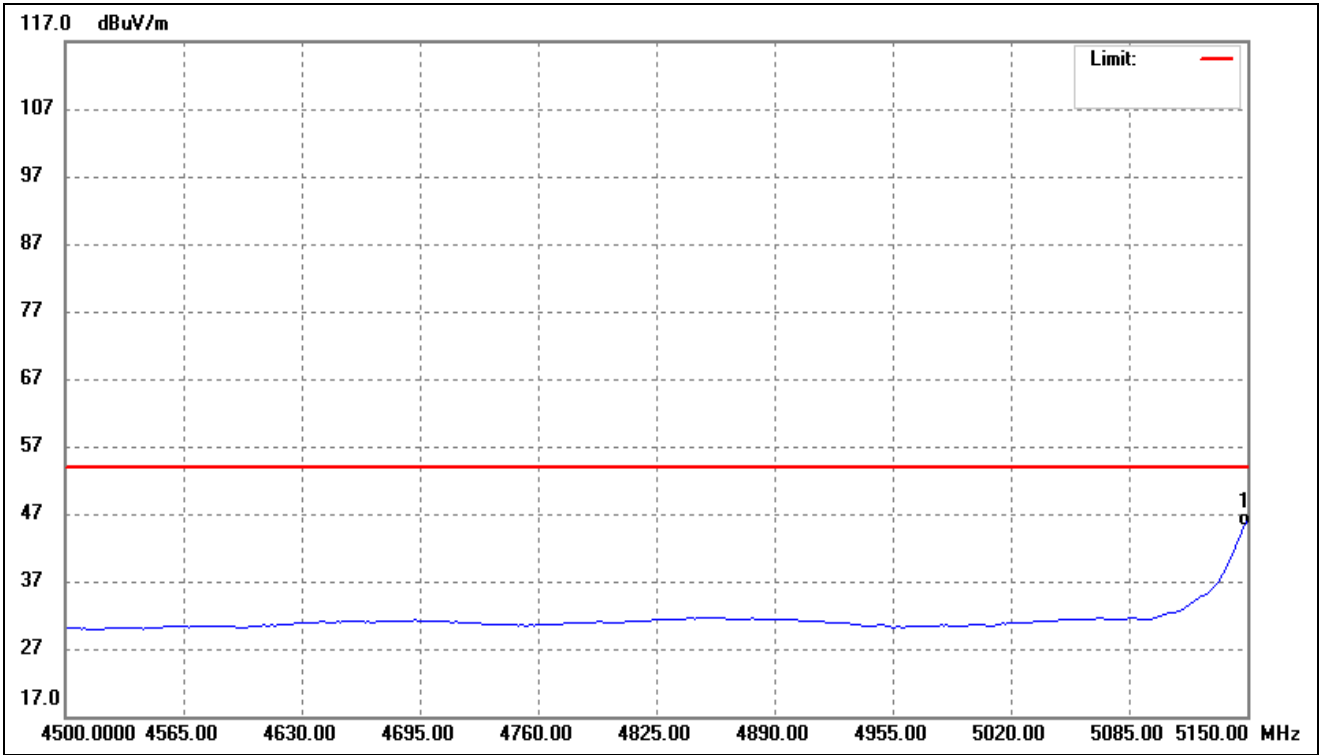
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	48.92	-11.59	37.33	54.00	-16.67	-	-	AVG

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	74.44	-11.59	62.85	74.00	-11.15	-	-	peak

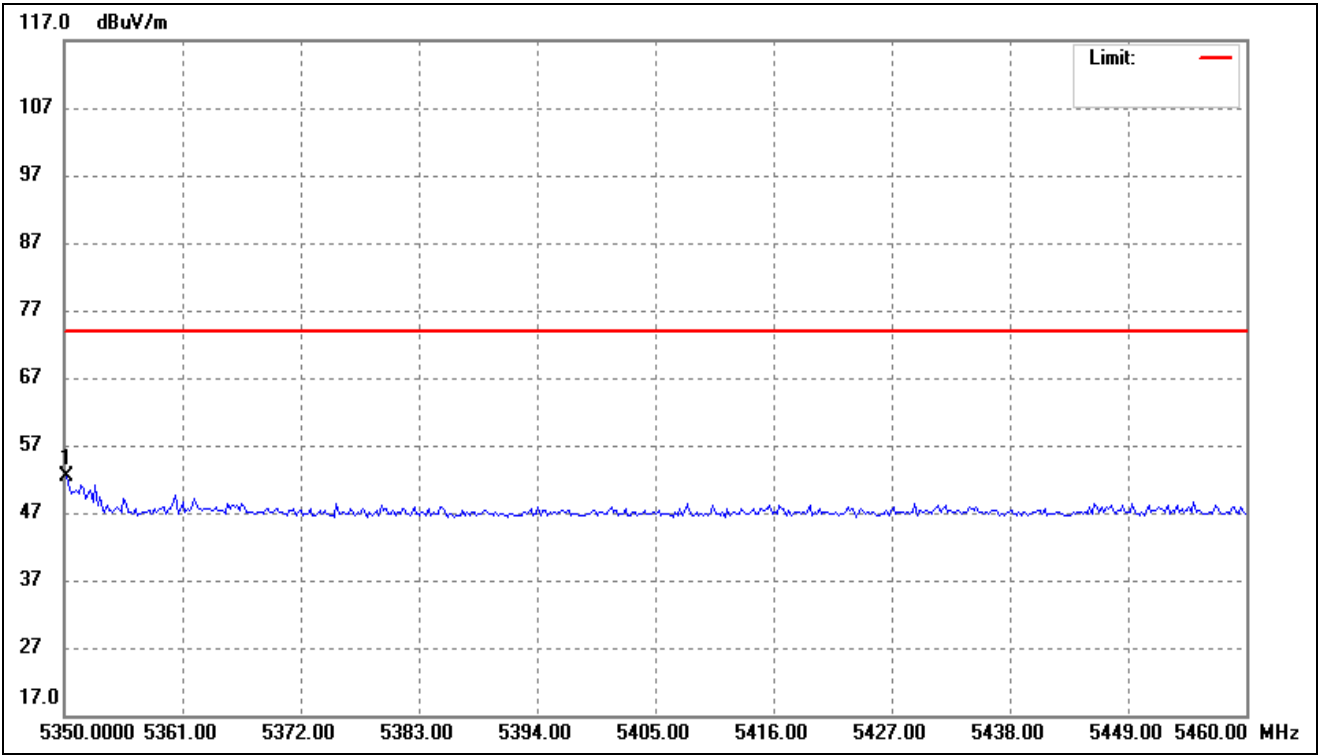
802.11n-HT40- Restricted Bandedge			
Test Channel	band 5.15-5.25GHz	Polarity:	Horizontal(worst case)



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5150.000	57.76	-11.59	46.17	54.00	-7.83	-	-	AVG

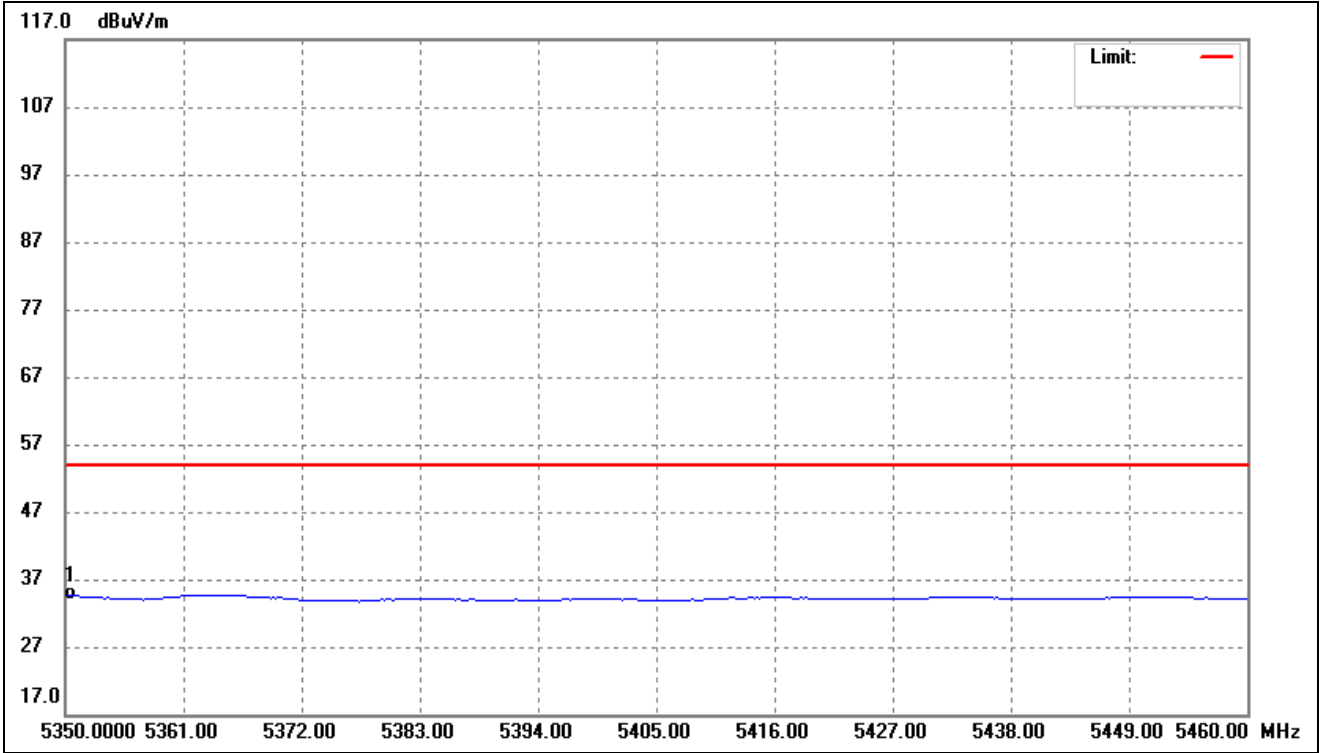
Band 2

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



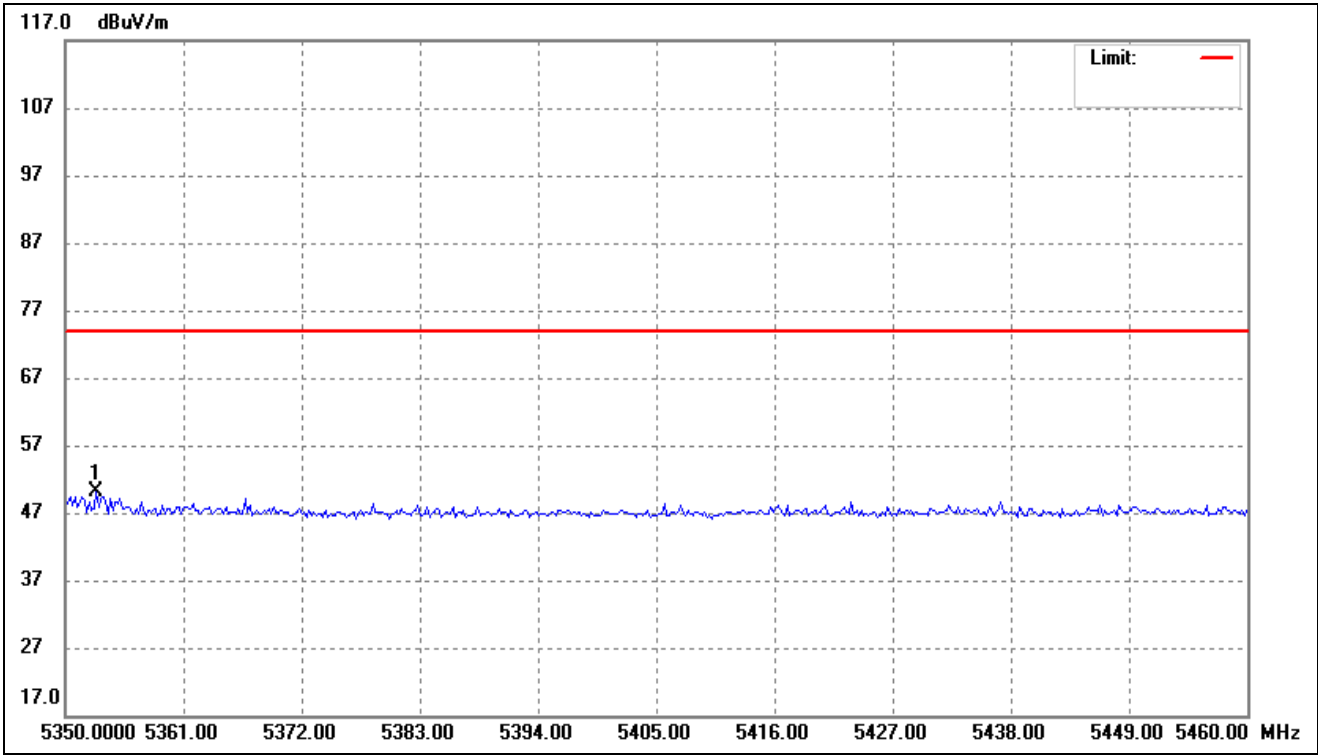
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.220	62.07	-9.75	52.32	74.00	-21.68	-	-	peak

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



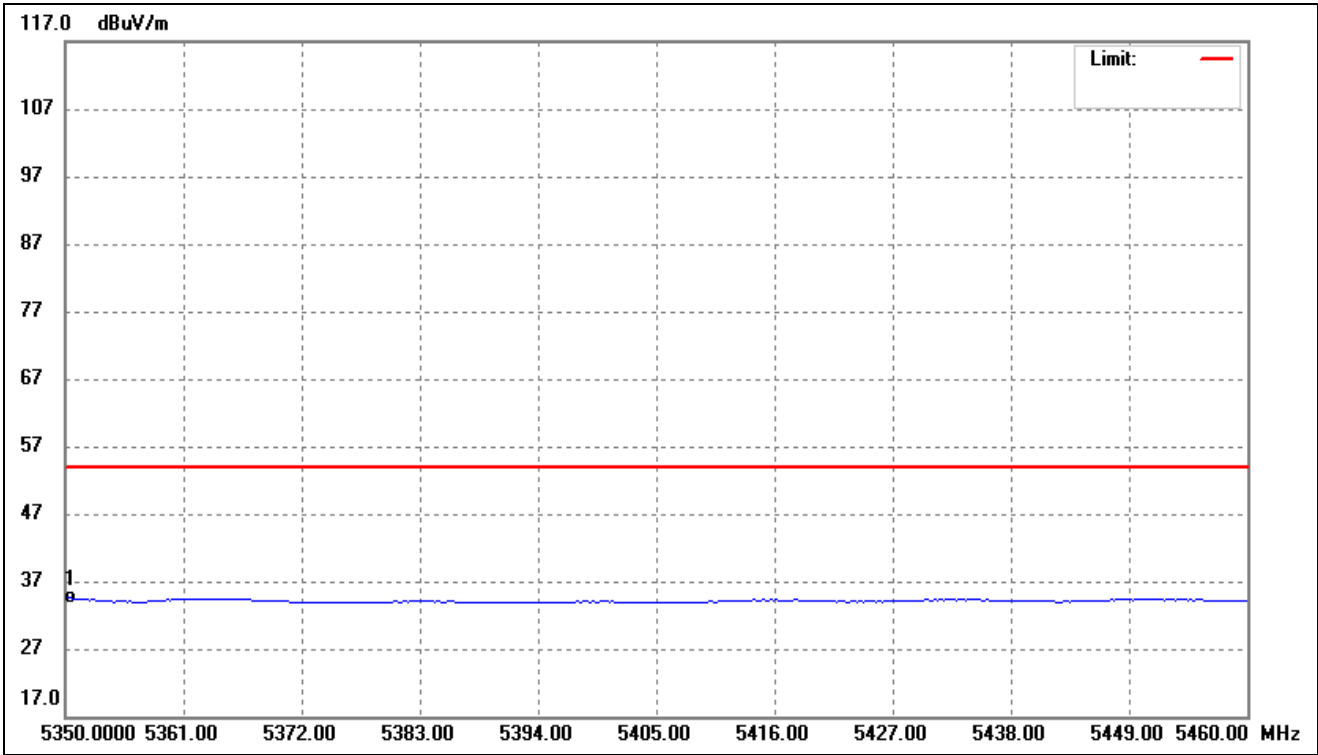
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.000	44.54	-9.75	34.79	54.00	-19.21	-	-	AVG

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



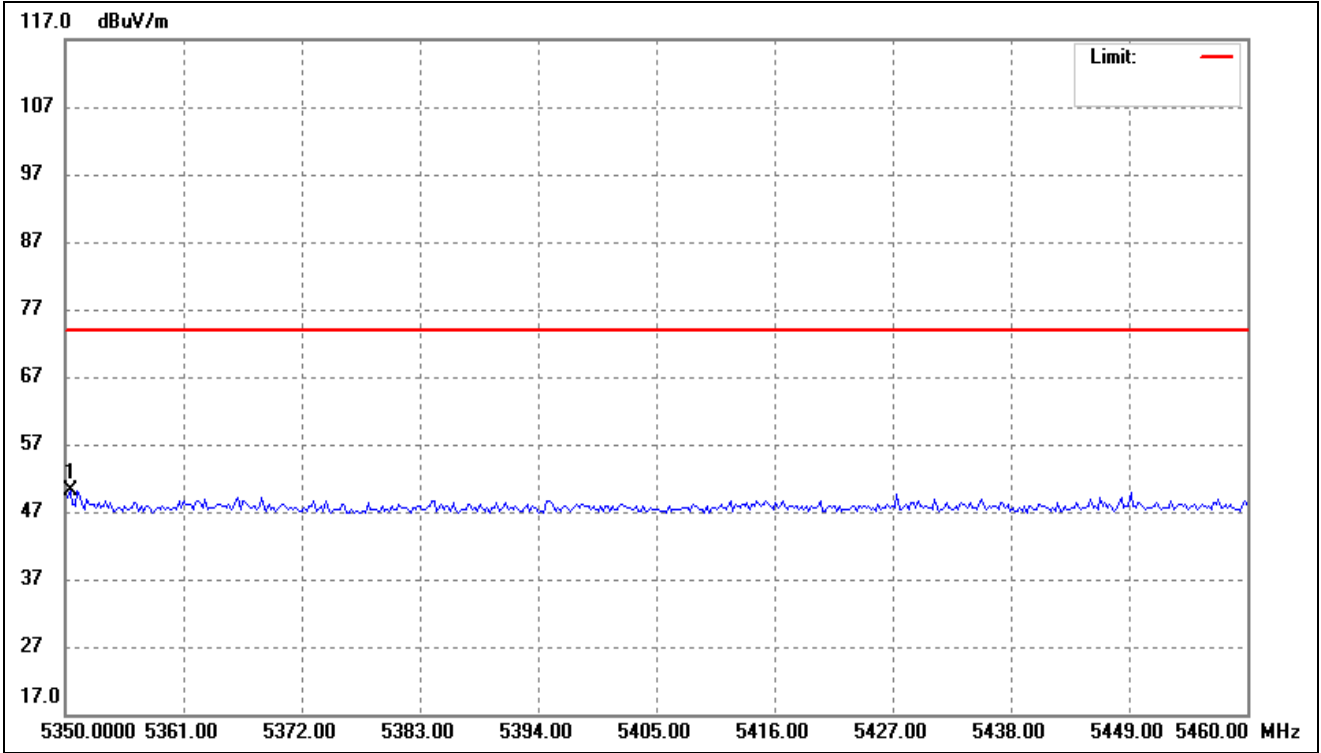
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5352.866	59.86	-9.76	50.10	74.00	-23.90	-	-	peak

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



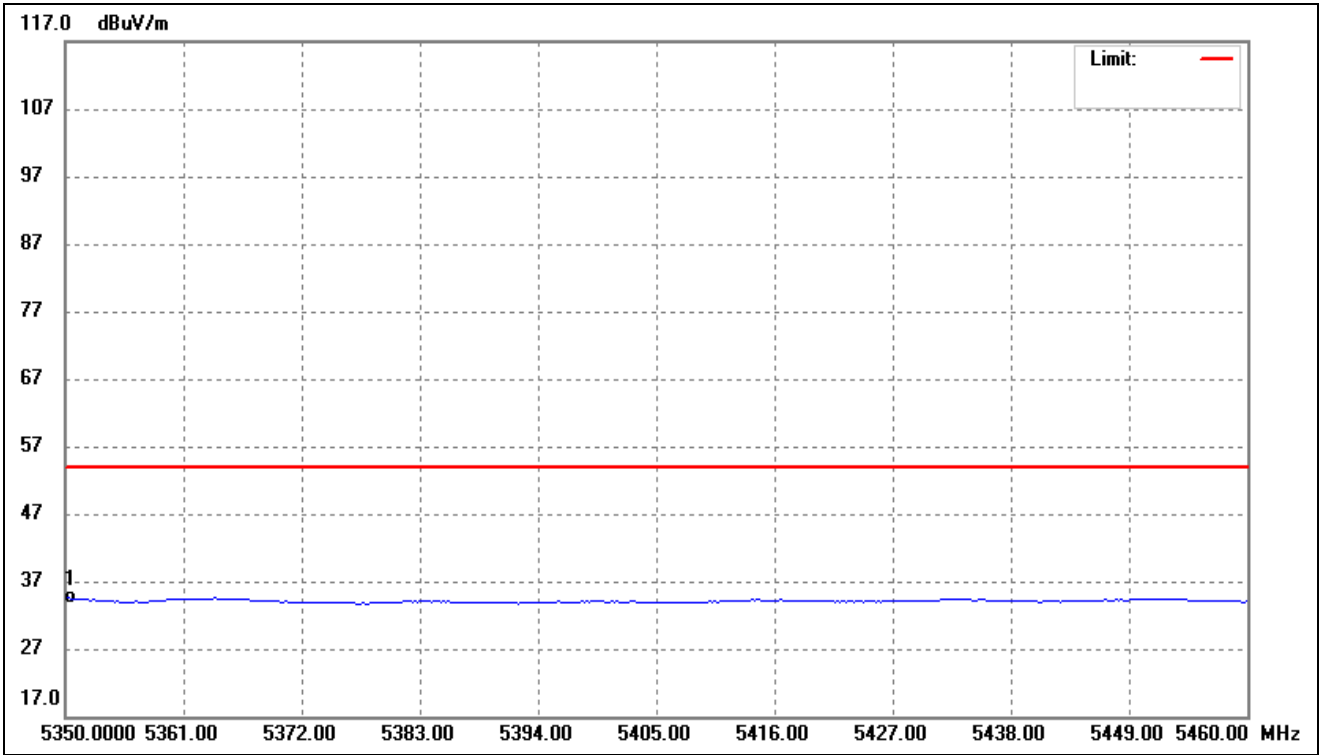
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.000	44.35	-9.75	34.60	54.00	-19.40	-	-	AVG

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



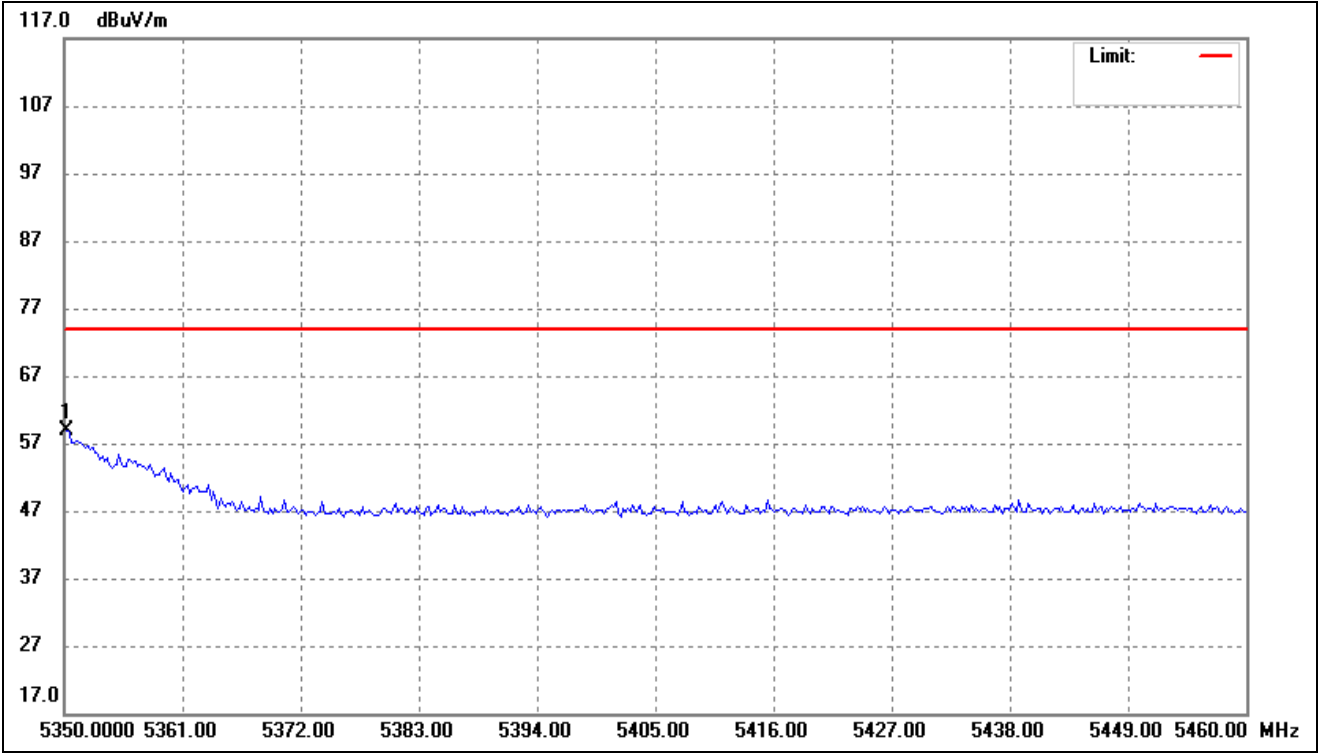
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.441	59.92	-9.75	50.17	74.00	-23.83	-	-	peak

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



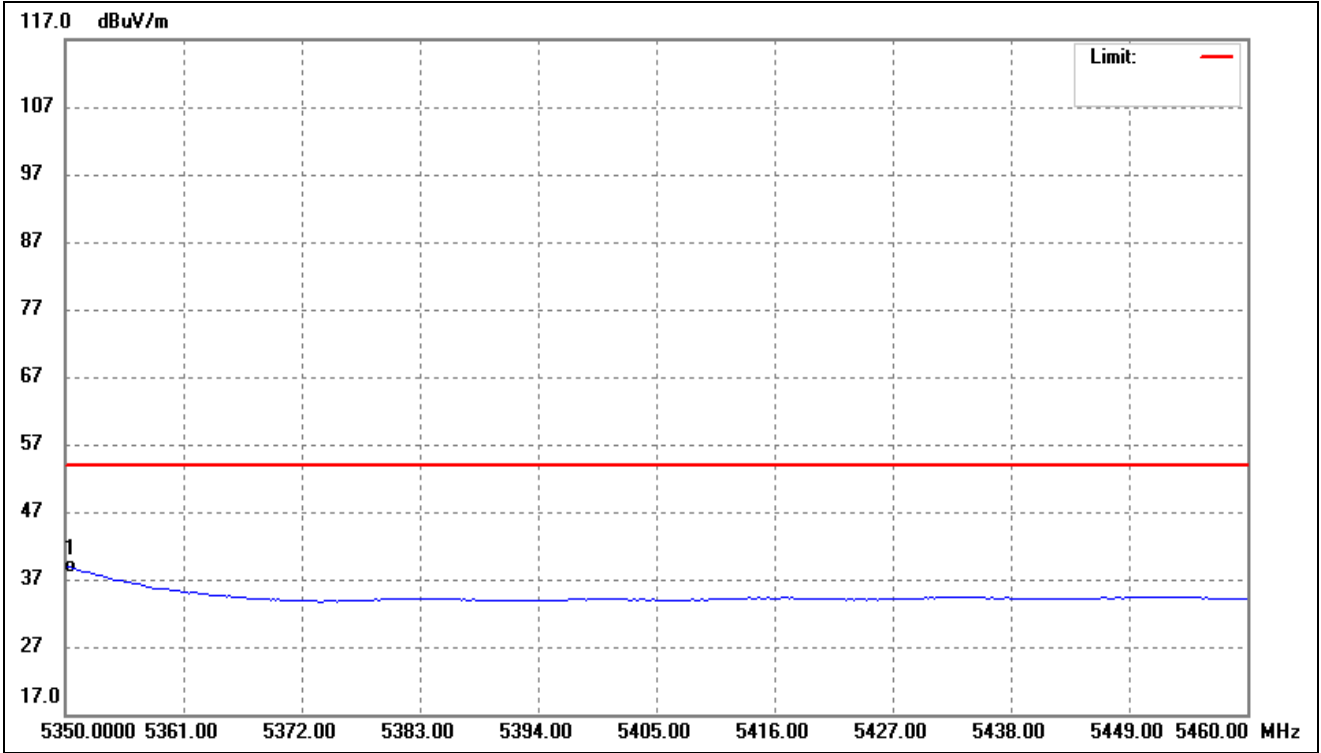
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.000	44.34	-9.75	34.59	54.00	-19.41	-	-	AVG

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.220	68.66	-9.75	58.91	74.00	-15.09	-	-	peak

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

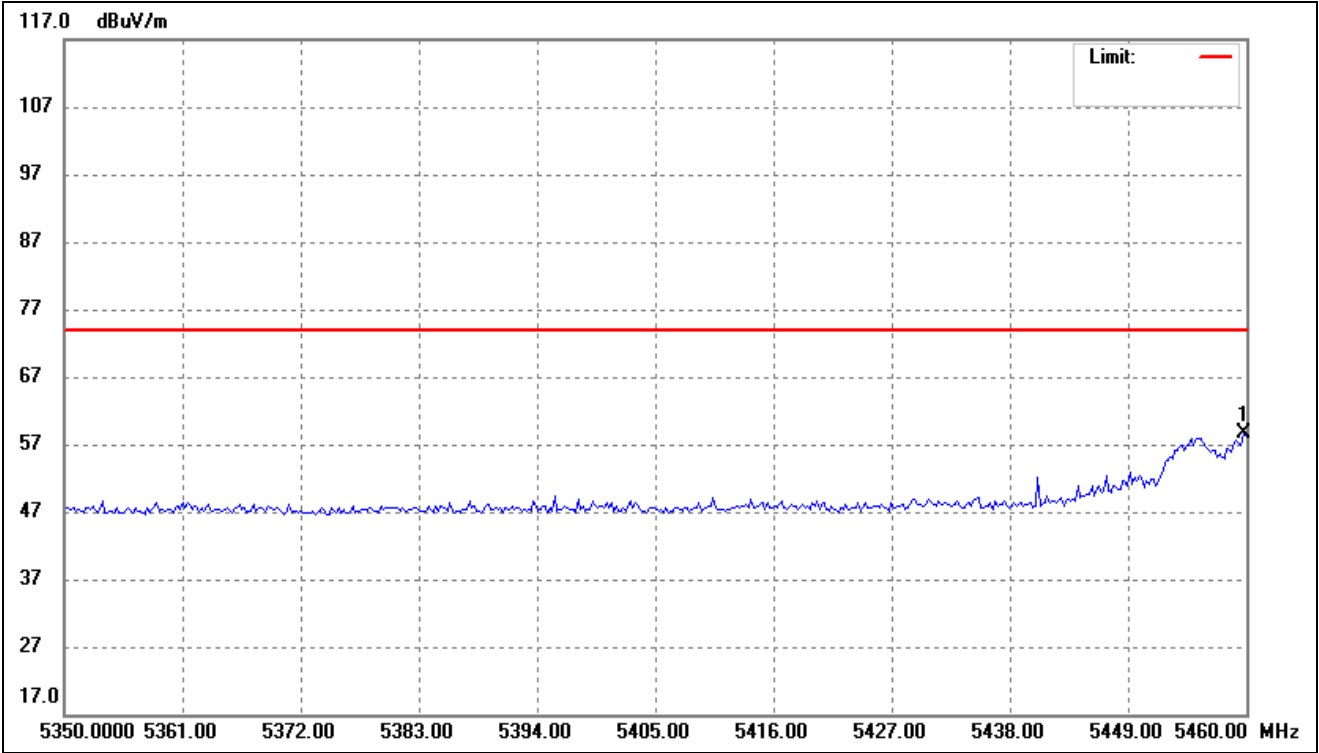


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5350.000	48.72	-9.75	38.97	54.00	-15.03	-	-	AVG

Band 3

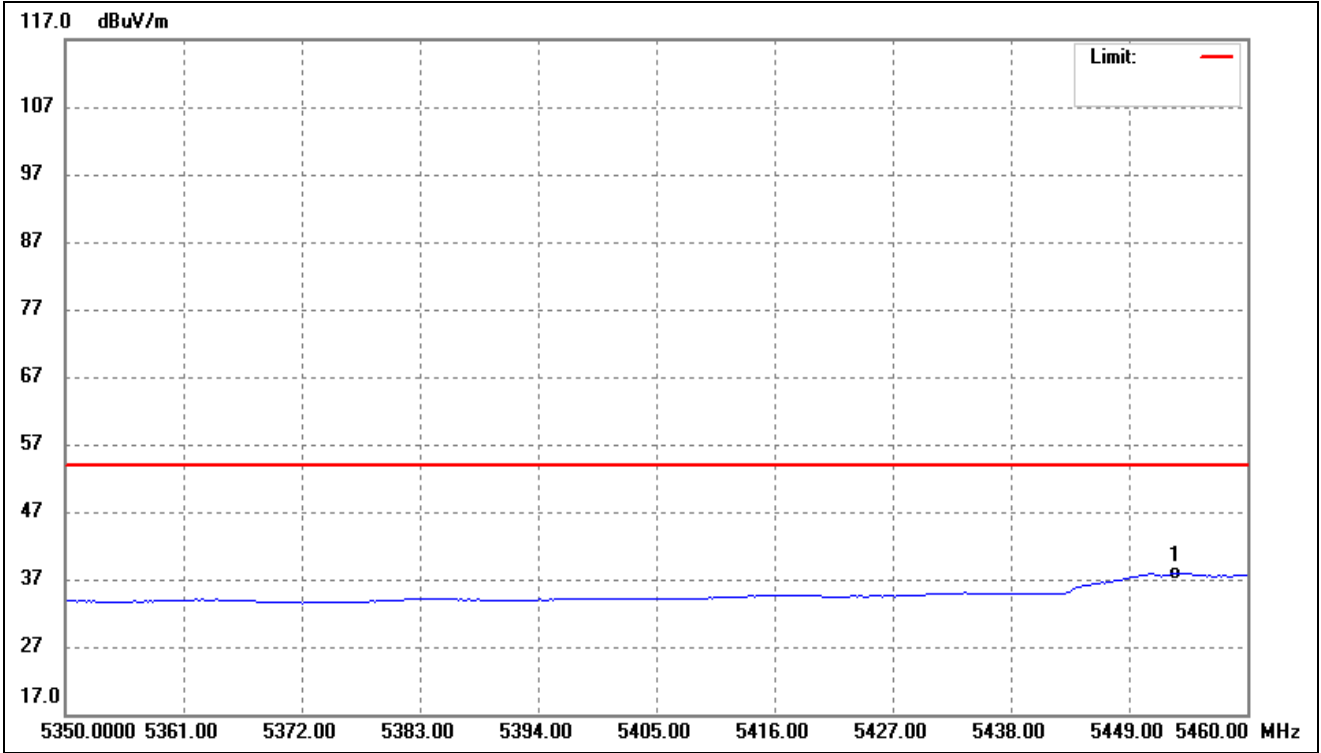
802.11a- Restricted Bandedge

Test Channel	band 5.35-5.47GHz	Polarity:	Horizontal(worst case)
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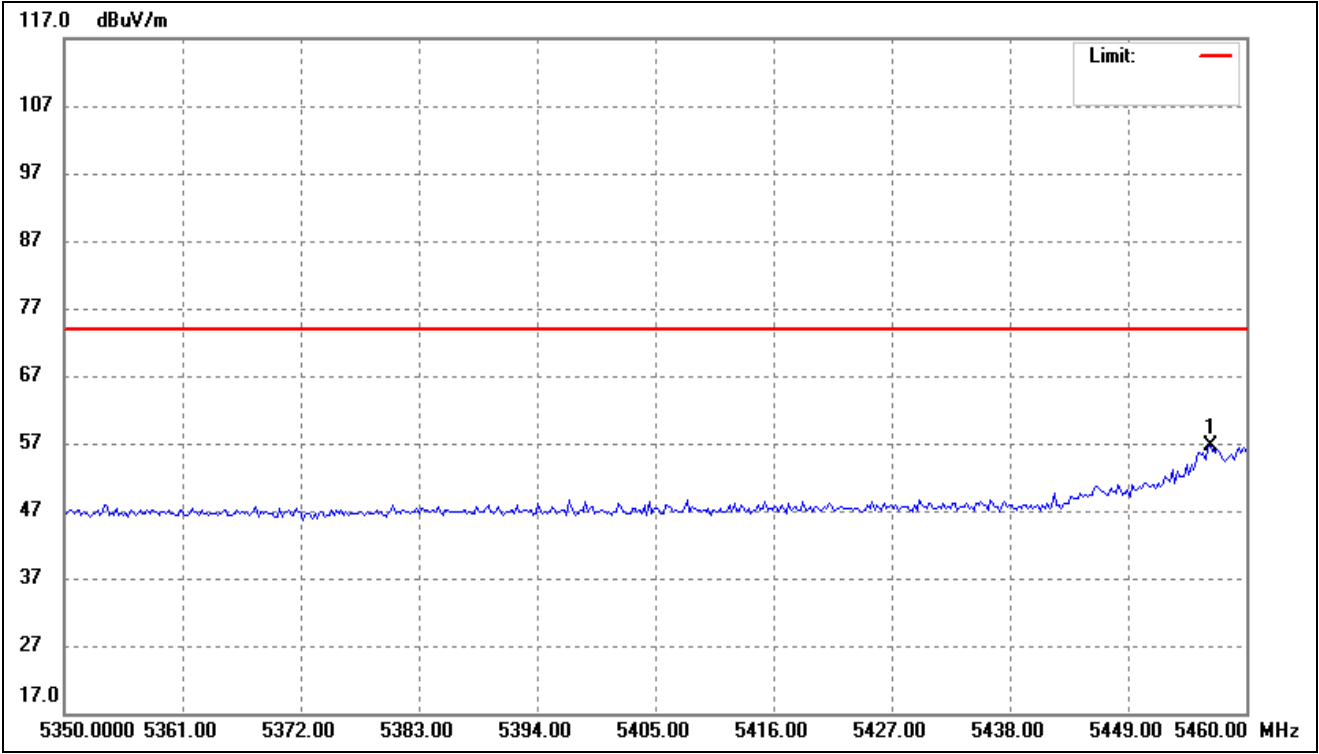
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5459.780	68.12	-9.54	58.58	74.00	-15.42	-	-	peak

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



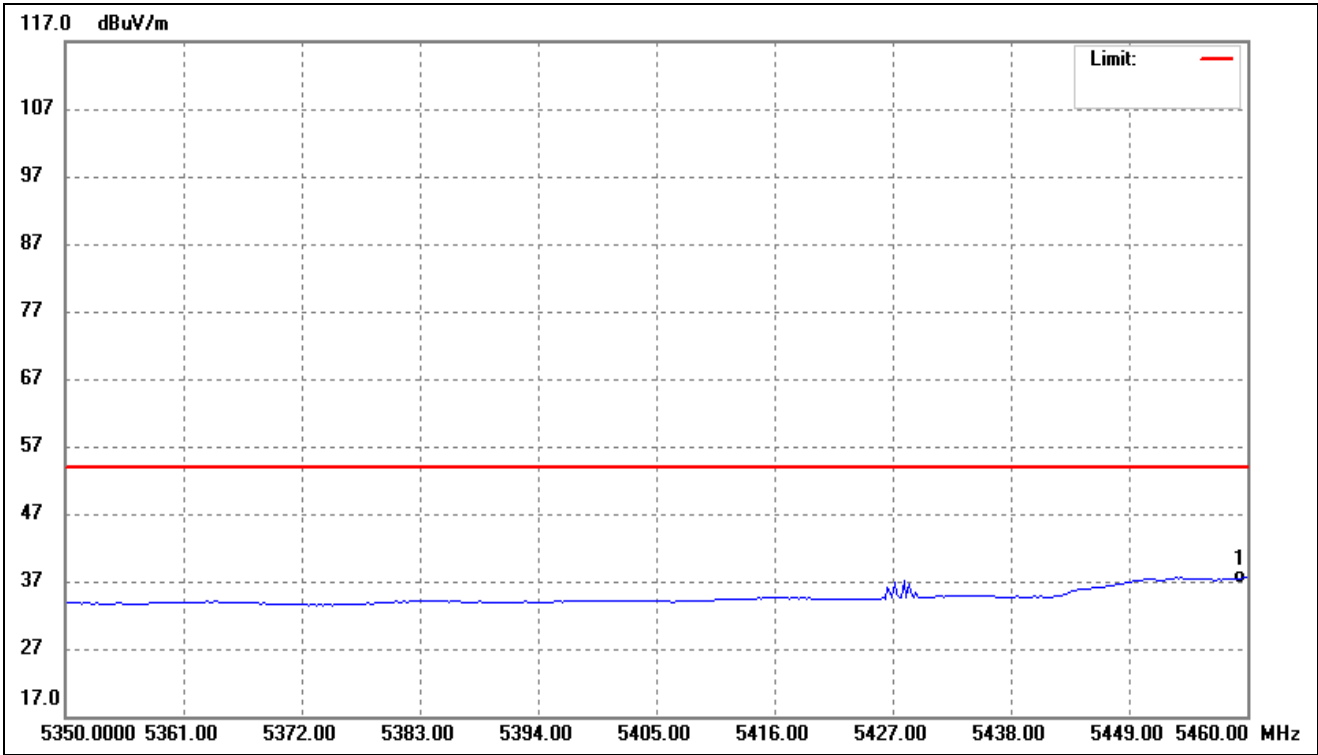
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5453.387	47.42	-9.53	37.89	54.00	-16.11	-	-	AVG

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



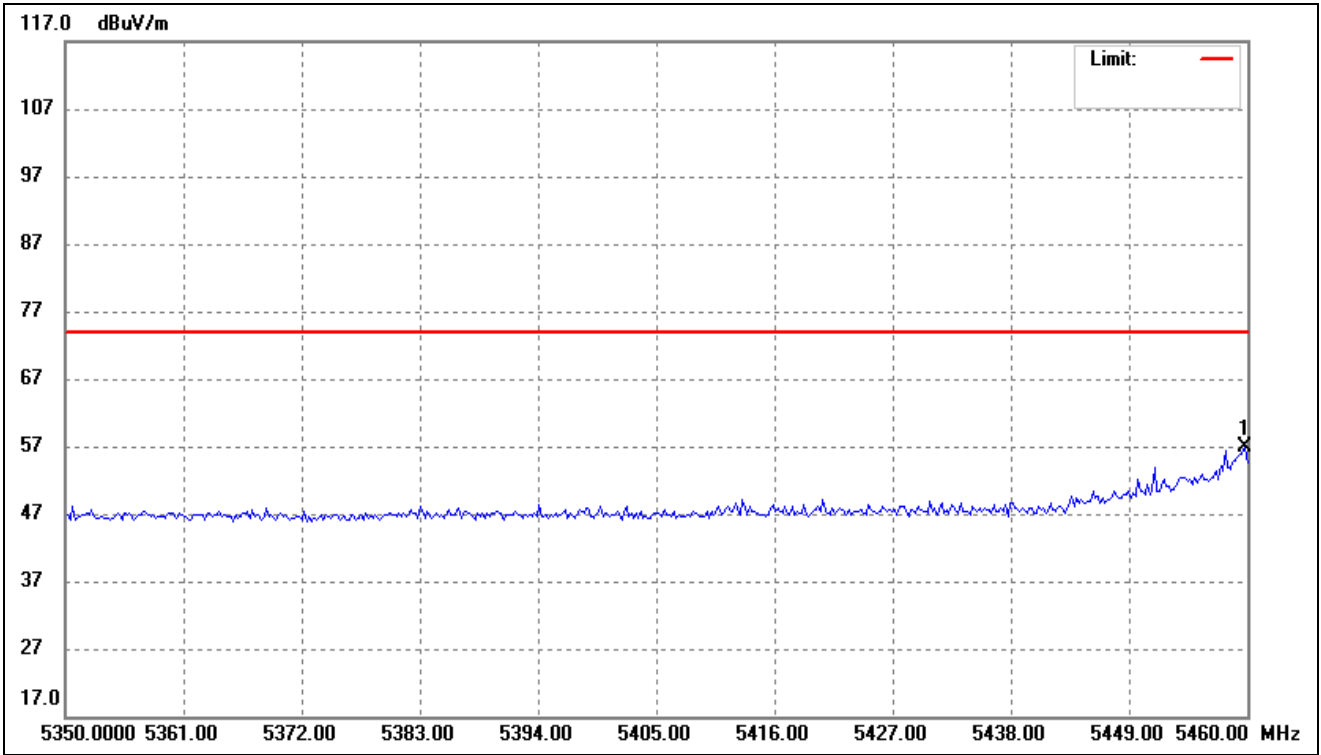
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5456.693	66.24	-9.54	56.70	74.00	-17.30	-	-	peak

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



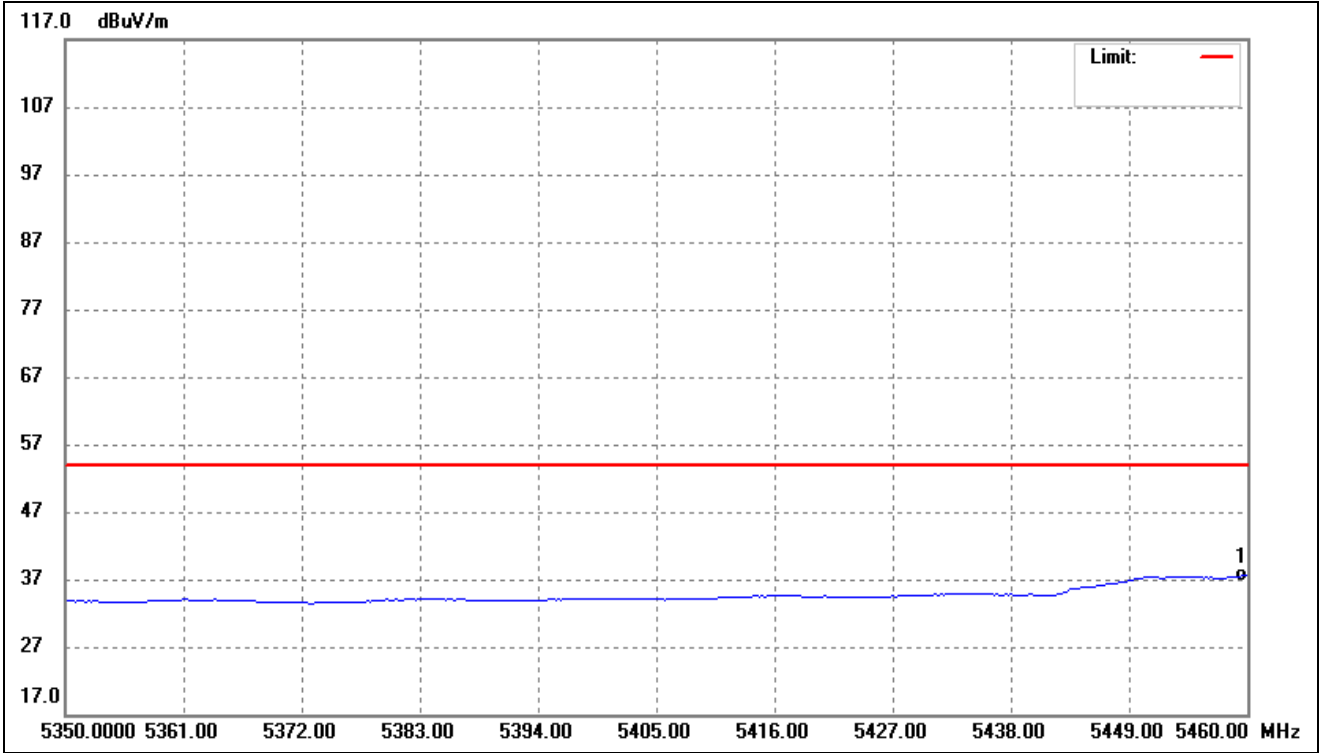
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	47.21	-9.54	37.67	54.00	-16.33	-	-	AVG

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



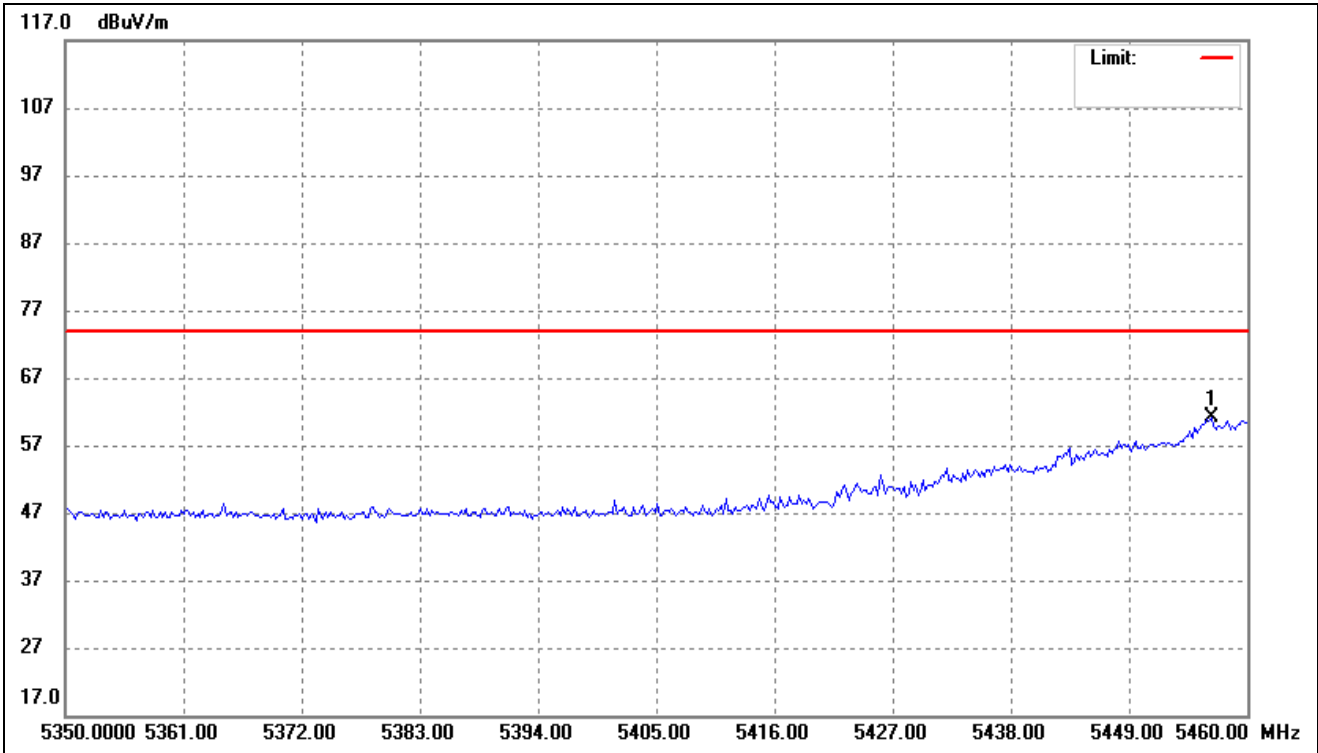
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5459.780	66.50	-9.54	56.96	74.00	-17.04	-	-	peak

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



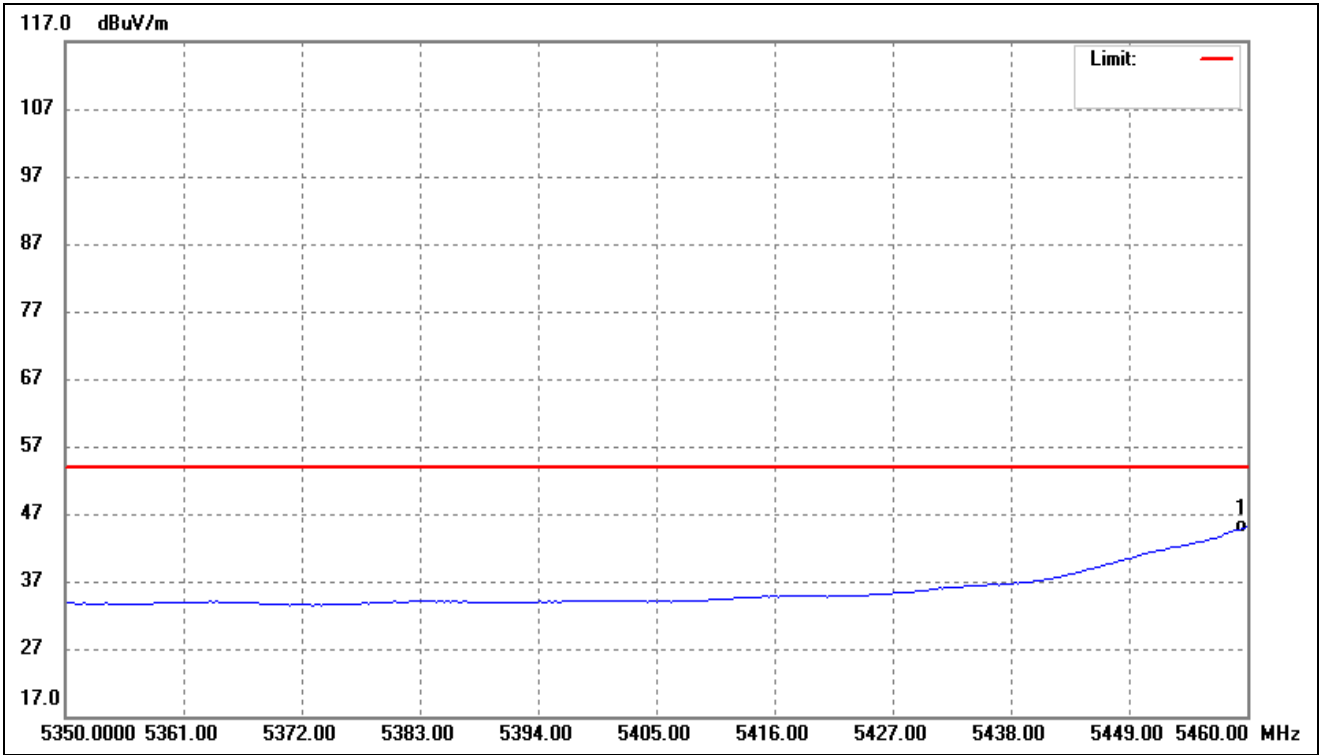
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	47.13	-9.54	37.59	54.00	-16.41	-	-	AVG

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



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5456.693	70.55	-9.54	61.01	74.00	-12.99	-	-	peak

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



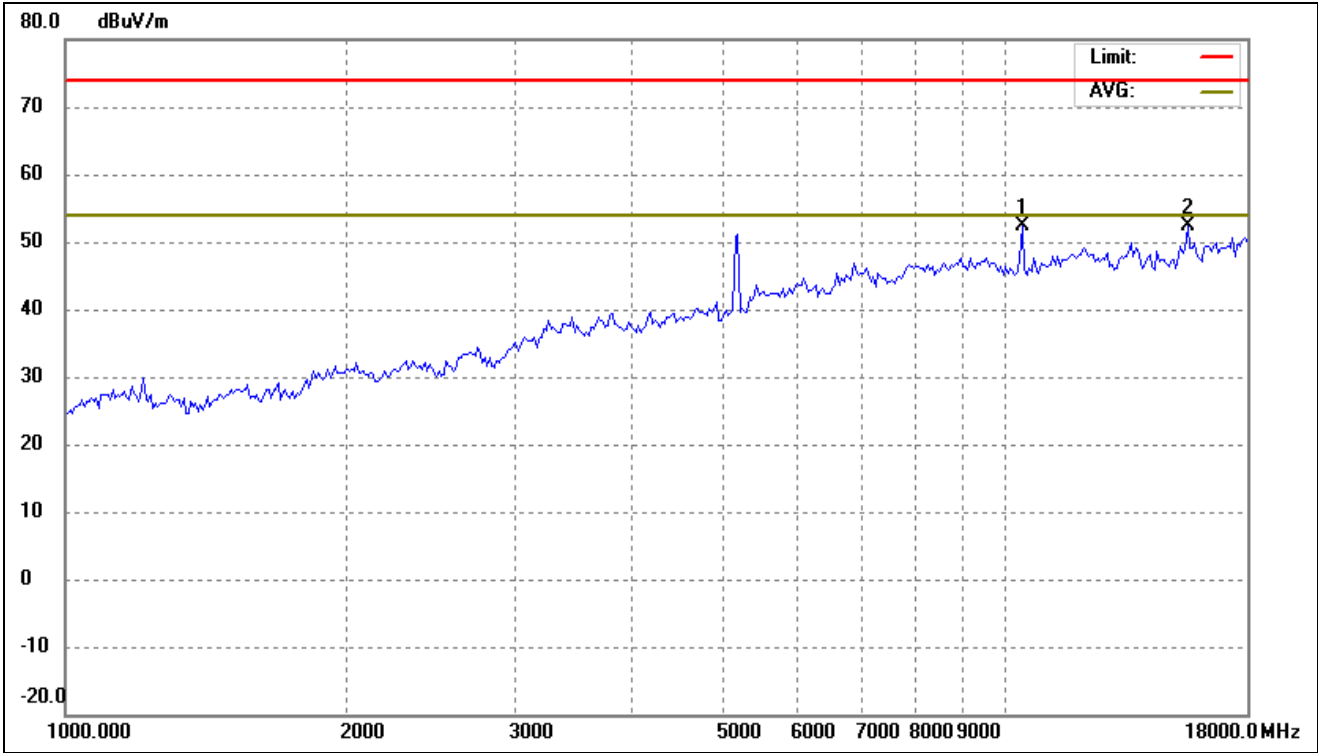
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	5460.000	54.70	-9.54	45.16	54.00	-8.84	-	-	AVG

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.

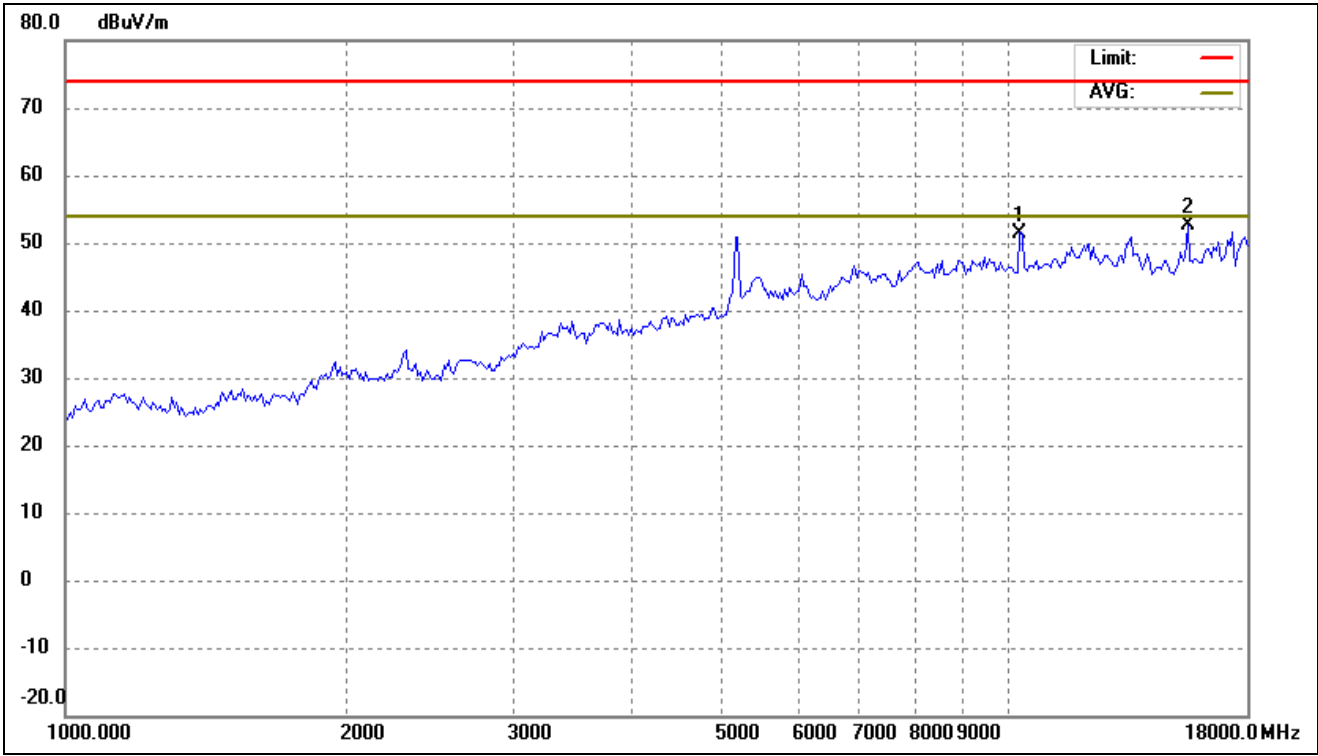
- Harmonics And Spurious Emissions
- 5150-5250MHz

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



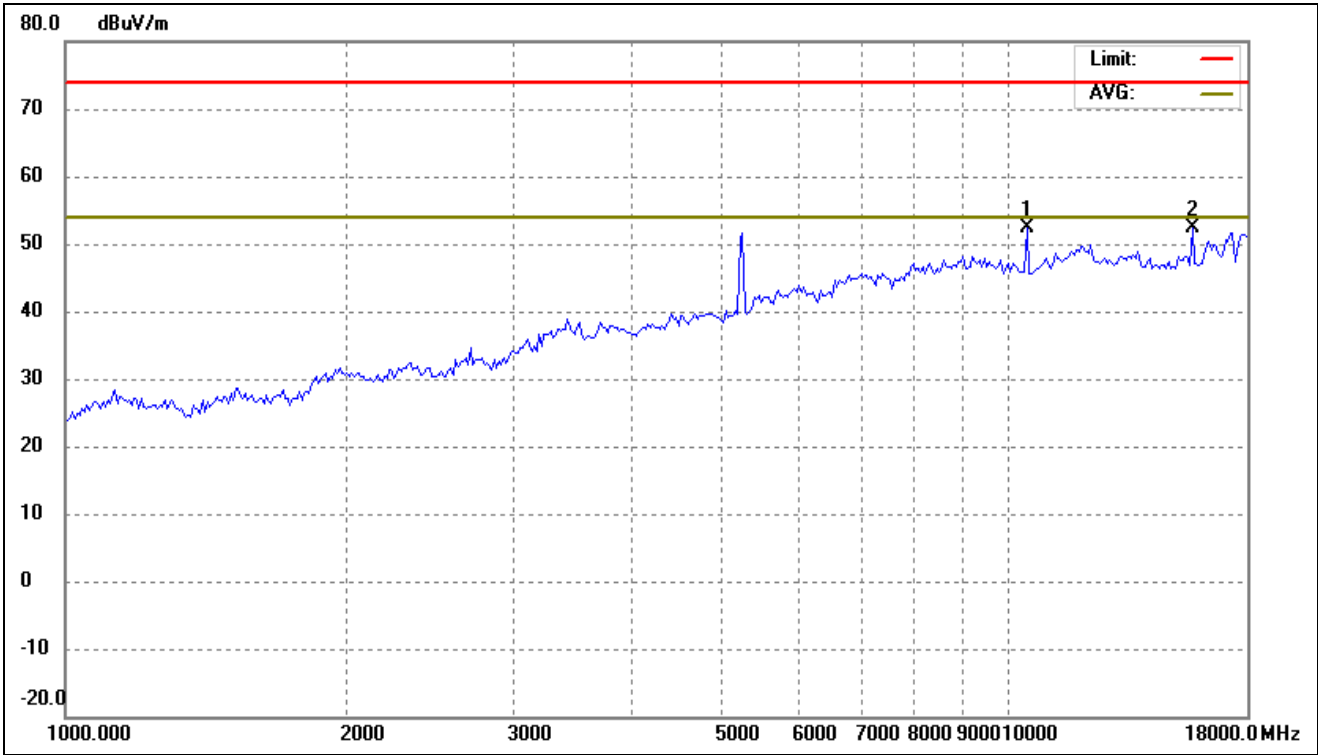
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10360.000	55.94	-3.44	52.50	74.00	-21.50	-	-	peak
2	15540.000	51.85	0.60	52.45	74.00	-21.55	-	-	peak

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



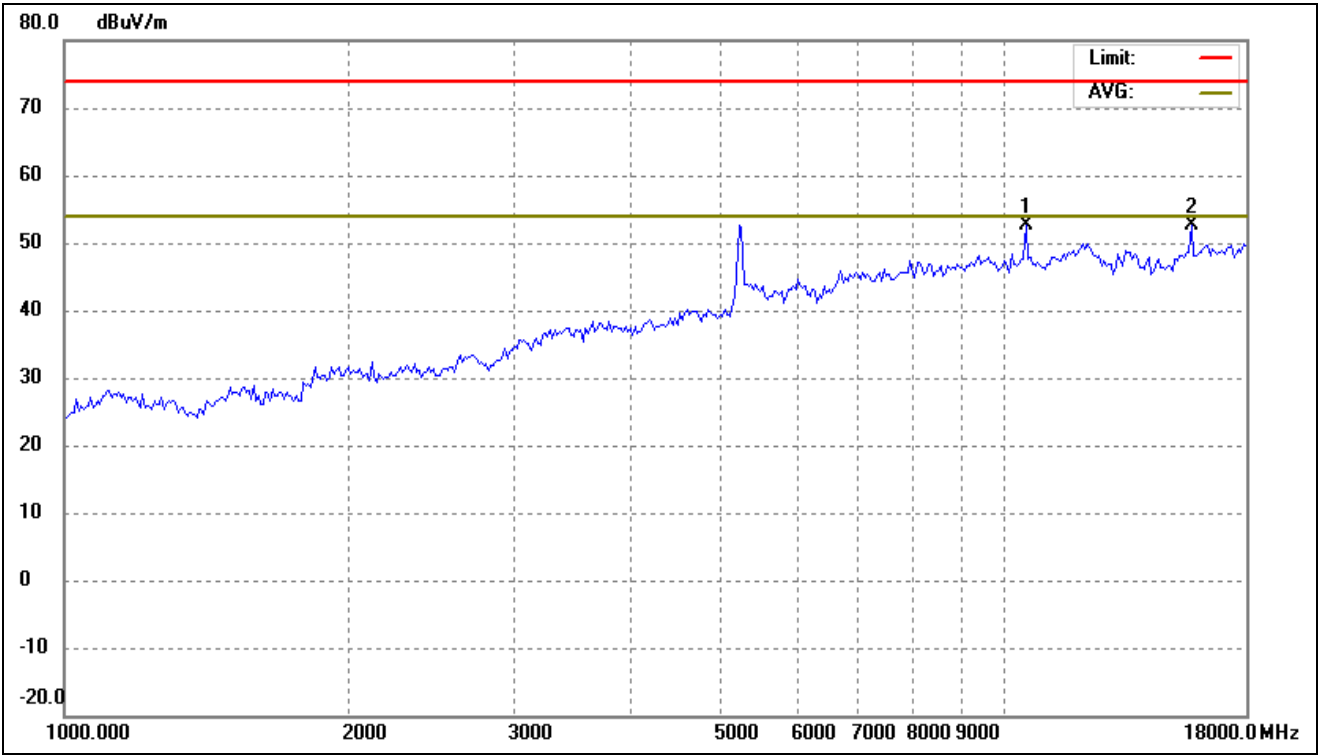
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10360.000	54.85	-3.44	51.41	74.00	-22.59	-	-	peak
2	15540.000	51.92	0.60	52.52	74.00	-21.48	-	-	peak

802.11a(worst case)			
Test Channel	5240MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10480.000	55.63	-3.16	52.47	74.00	-21.53	-	-	peak
2	15720.000	51.76	0.56	52.32	74.00	-21.68	-	-	peak

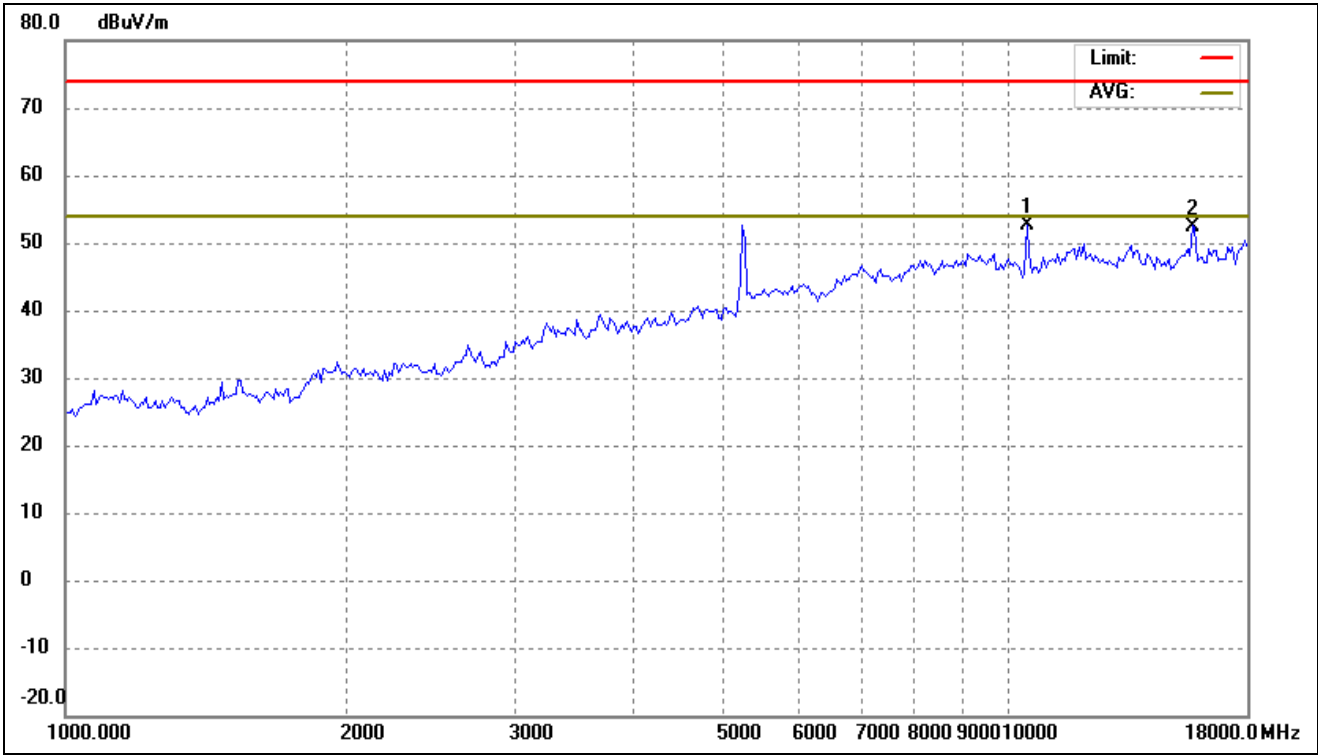
802.11a(worst case)			
Test Channel	5240MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10480.000	55.84	-3.16	52.68	74.00	-21.32	-	-	peak
2	15720.000	52.01	0.56	52.57	74.00	-21.43	-	-	peak

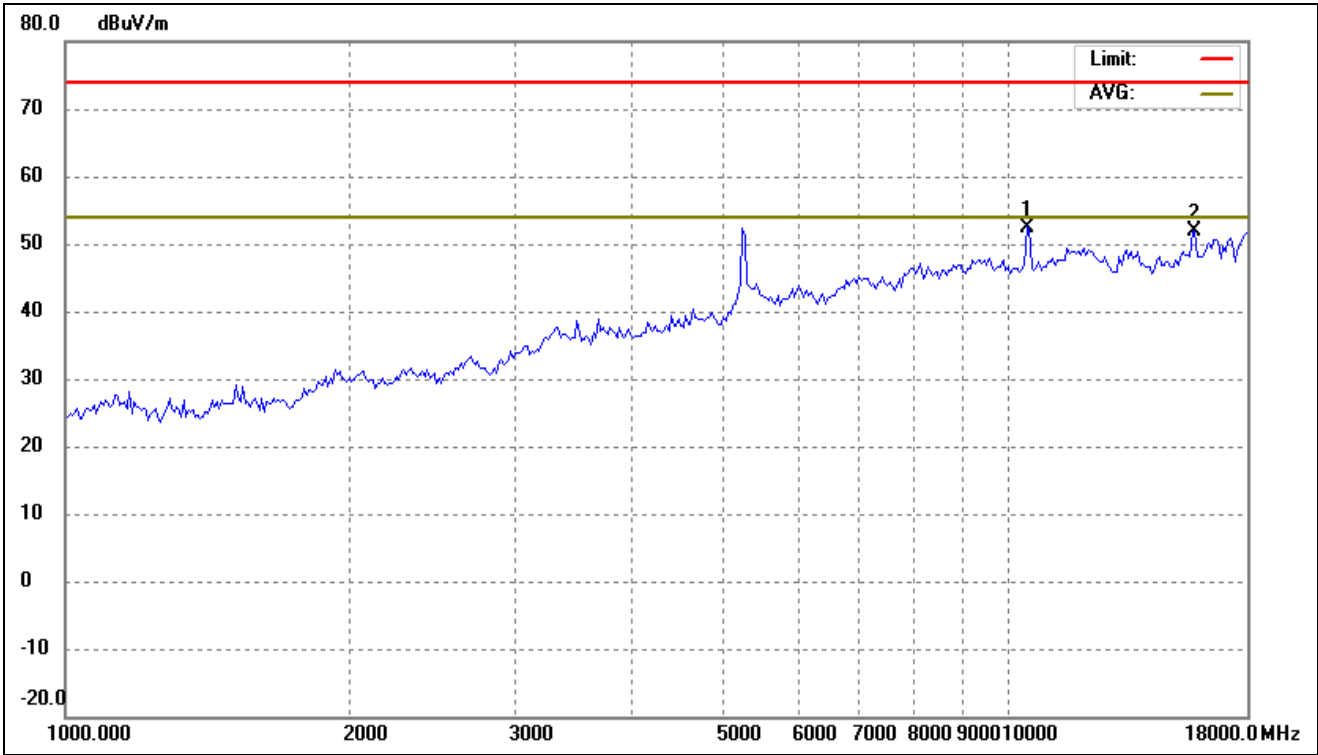
➤ 5250-5350MHz

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



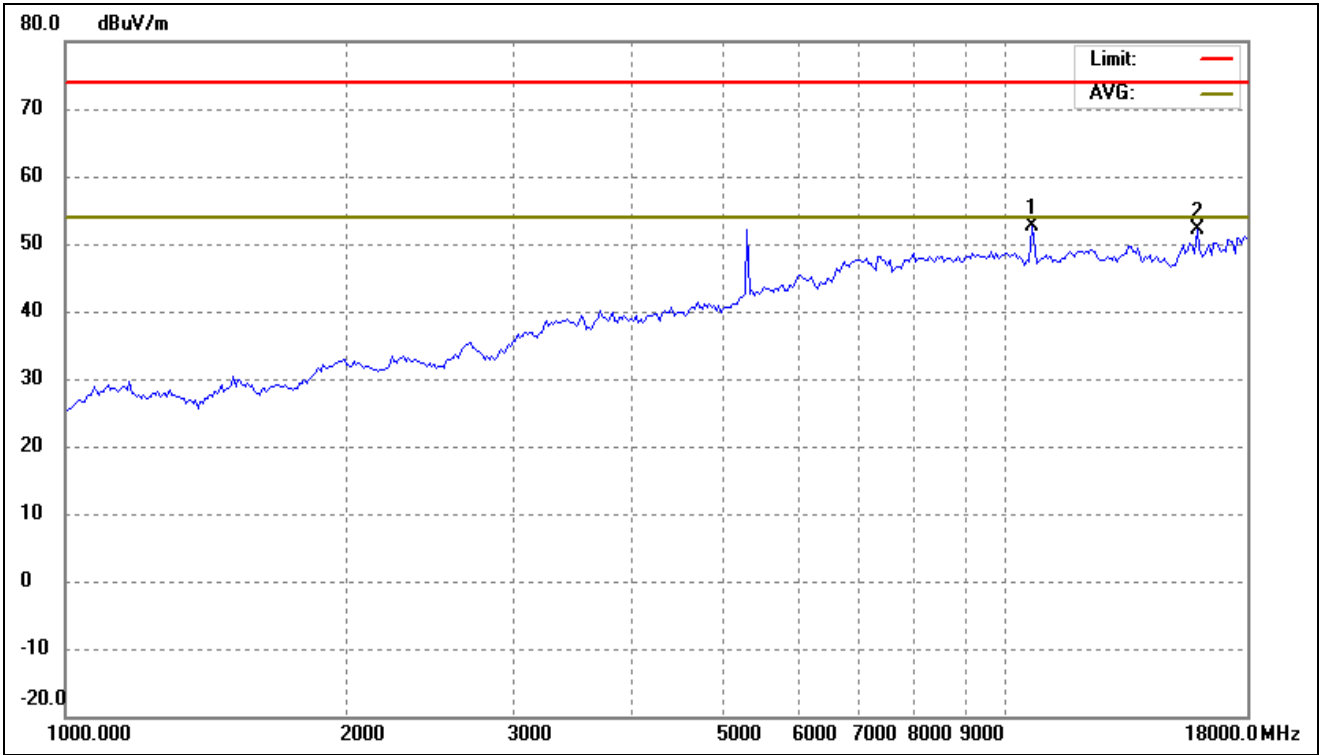
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10503.255	55.74	-3.08	52.66	74.00	-21.34	-	-	peak
2	15780.000	52.10	0.39	52.49	74.00	-21.51	-	-	peak

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



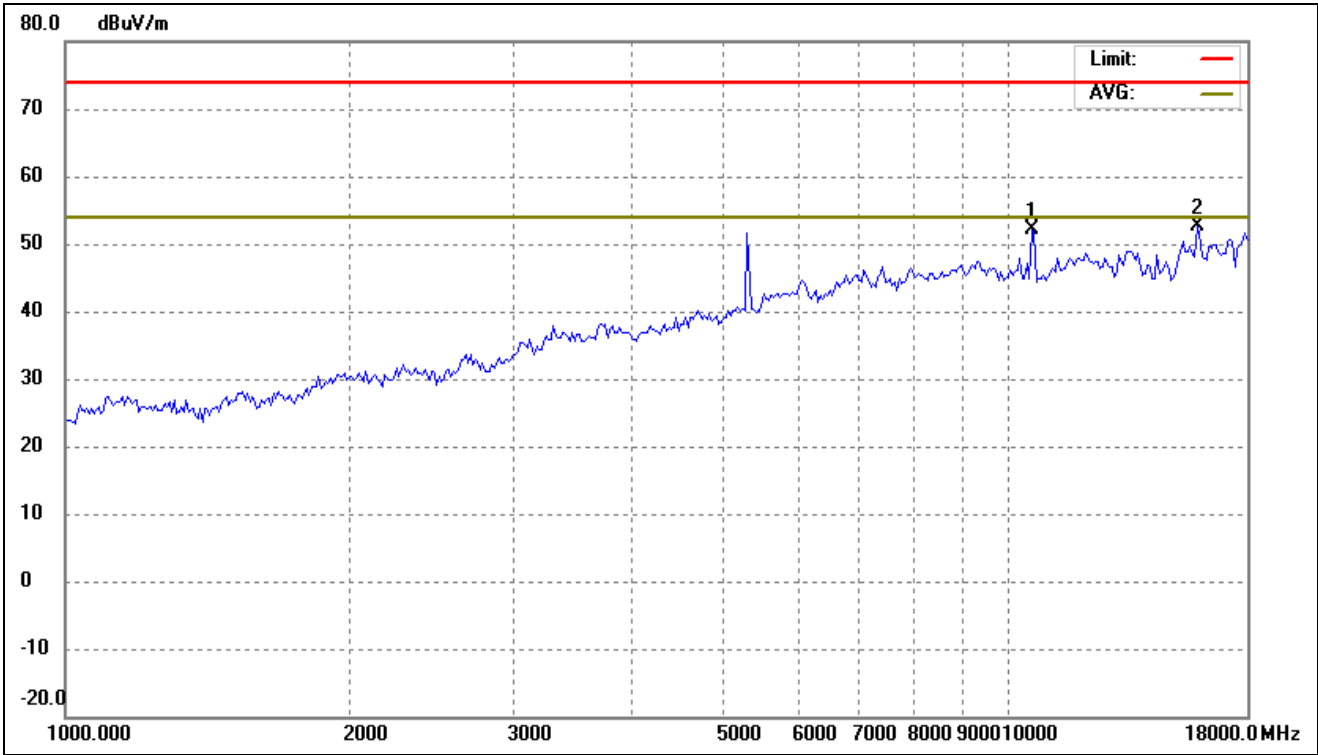
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10520.000	55.63	-3.15	52.48	74.00	-21.52	-	-	peak
2	15780.000	51.48	0.39	51.87	74.00	-22.13	-	-	peak

802.11a(worst case)			
Test Channel	5320MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10625.639	56.06	-3.39	52.67	74.00	-21.33	-	-	peak
2	15938.425	51.69	0.52	52.21	74.00	-21.79	-	-	peak

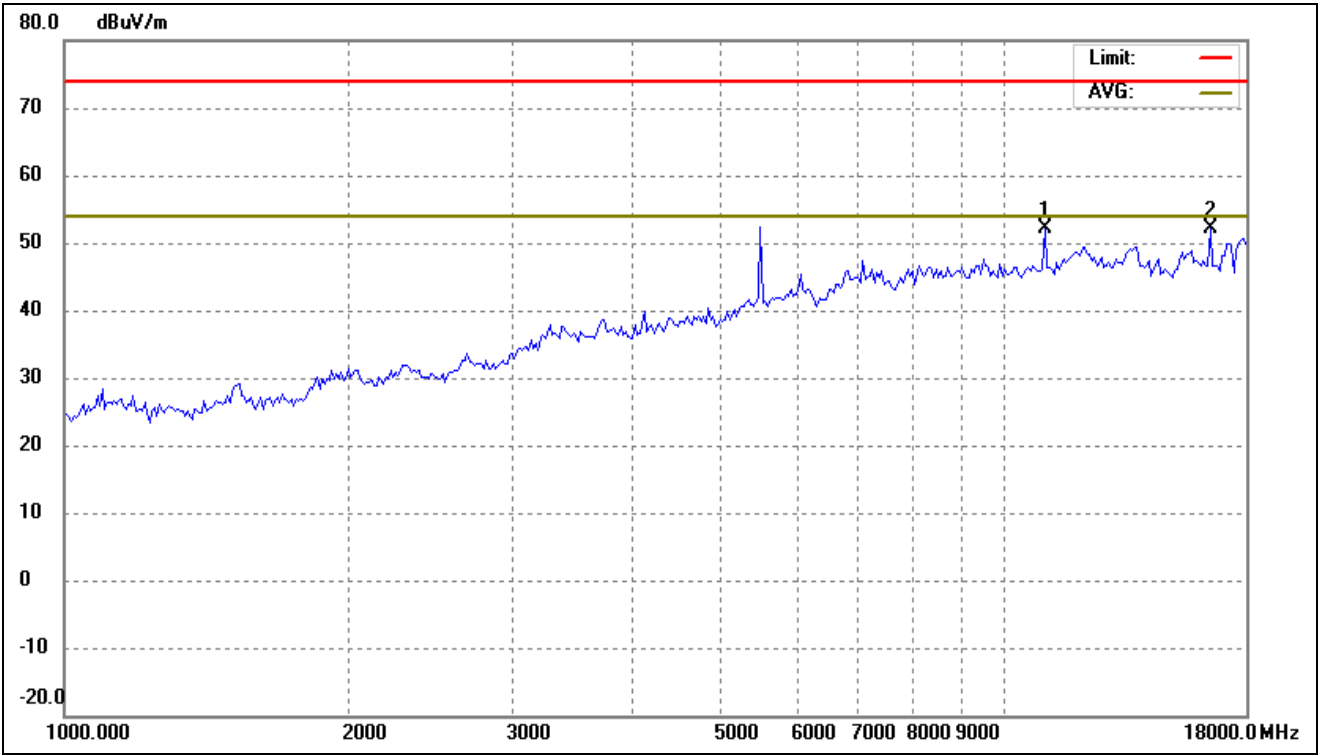
802.11a(worst case)			
Test Channel	5320MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	10625.639	55.43	-3.39	52.04	74.00	-21.96	-	-	peak
2	15938.425	52.13	0.52	52.65	74.00	-21.35	-	-	peak

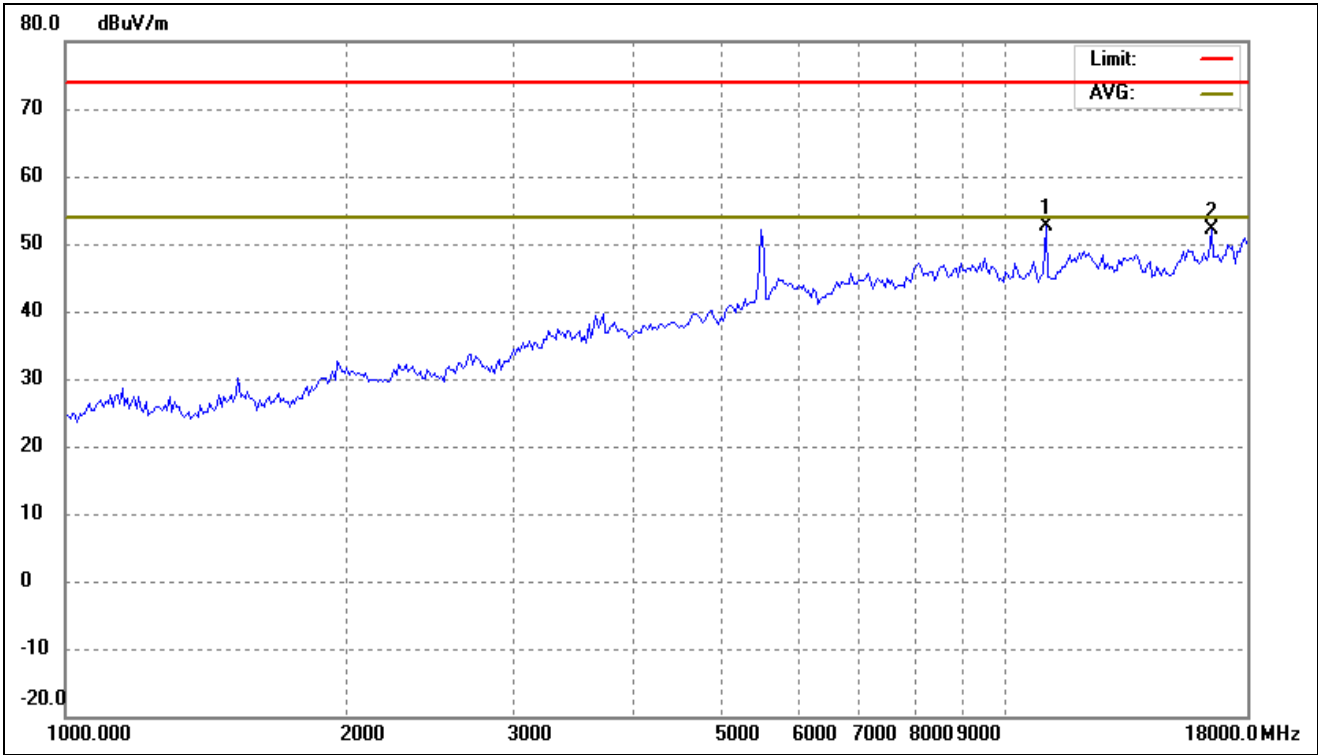
➤ 5470-5725MHz

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



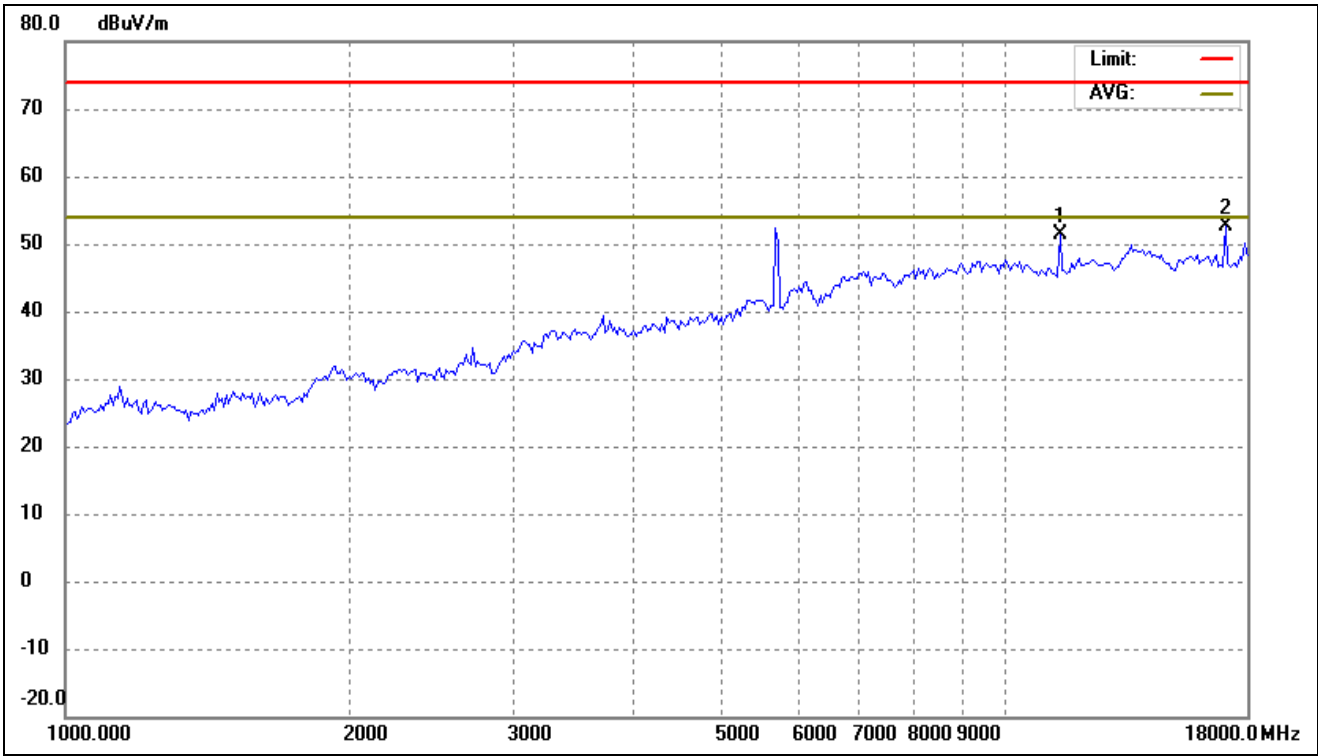
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11000.000	55.26	-3.05	52.21	74.00	-21.79	-	-	peak
2	16500.000	50.02	2.02	52.04	74.00	-21.96	-	-	peak

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



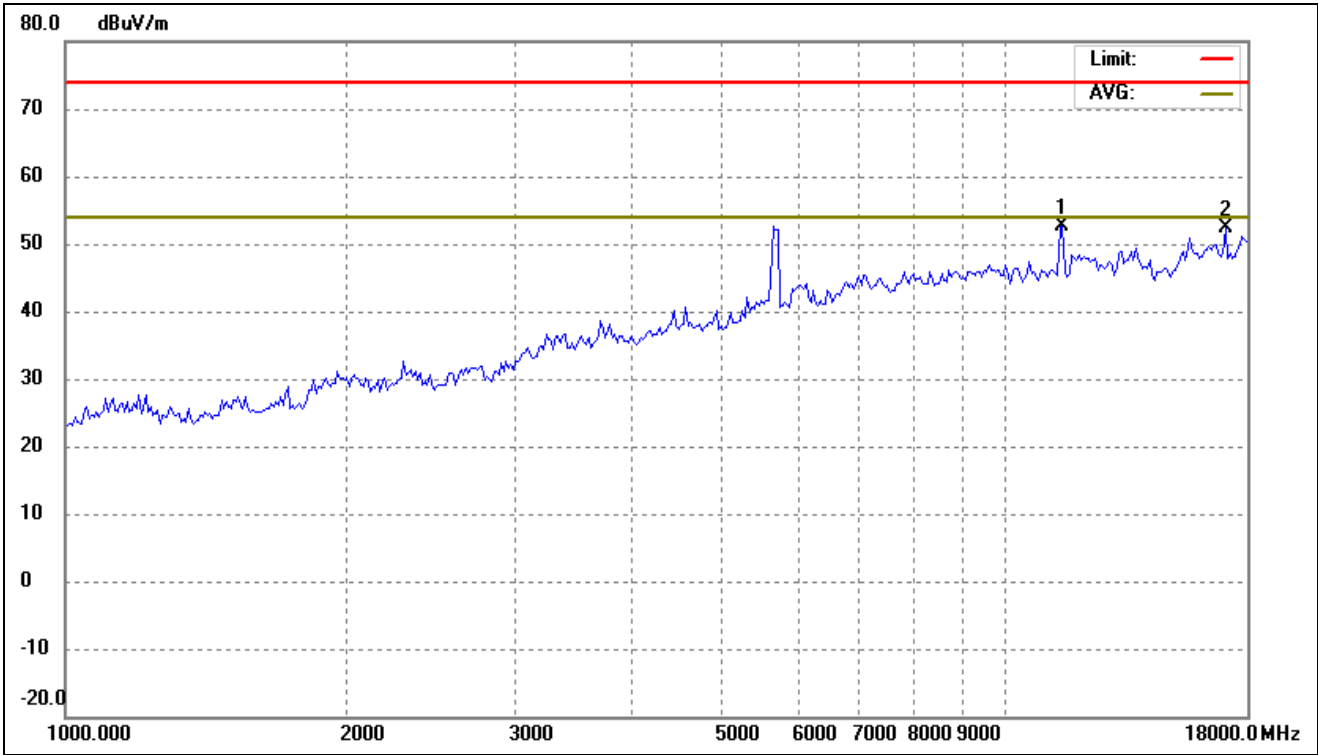
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11000.000	55.70	-3.05	52.65	74.00	-21.35	-	-	peak
2	16500.000	50.05	2.02	52.07	74.00	-21.93	-	-	peak

802.11a(worst case)			
Test Channel	5700MHz	Polarity:	Horizontal



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	()	(cm)	
1	11390.479	53.25	-1.93	51.32	74.00	-22.68	-	-	peak
2	17085.682	51.32	1.24	52.56	74.00	-21.44	-	-	peak

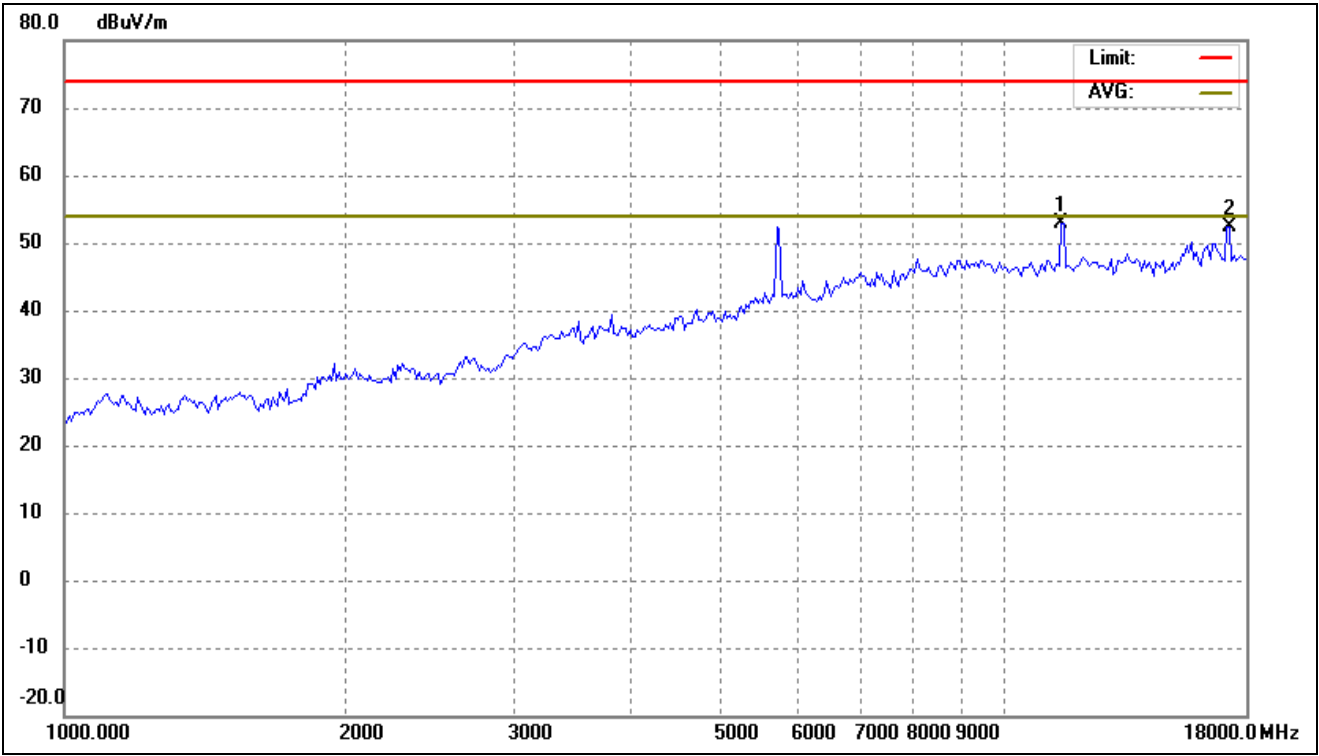
802.11a(worst case)			
Test Channel	5700MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11400.000	54.58	-1.91	52.67	74.00	-21.33	-	-	peak
2	17085.682	51.19	1.24	52.43	74.00	-21.57	-	-	peak

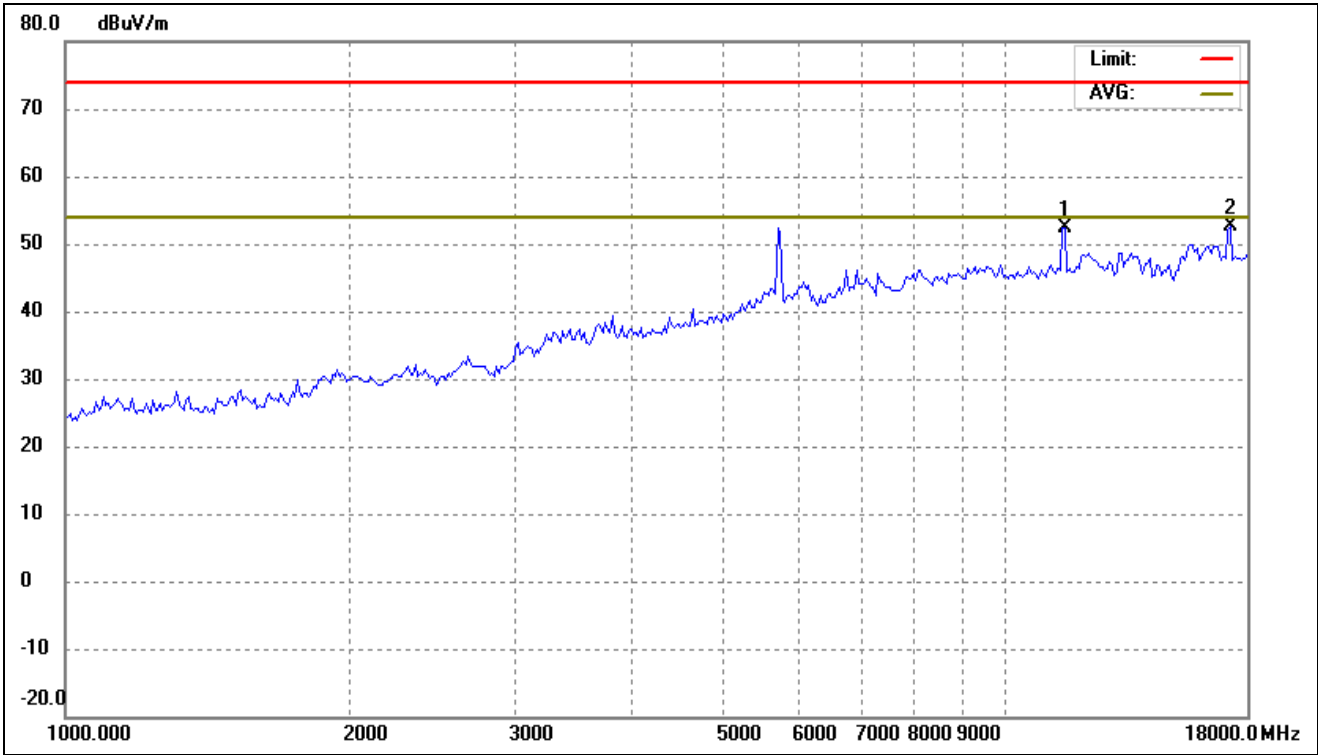
➤ 5725-5850MHz

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



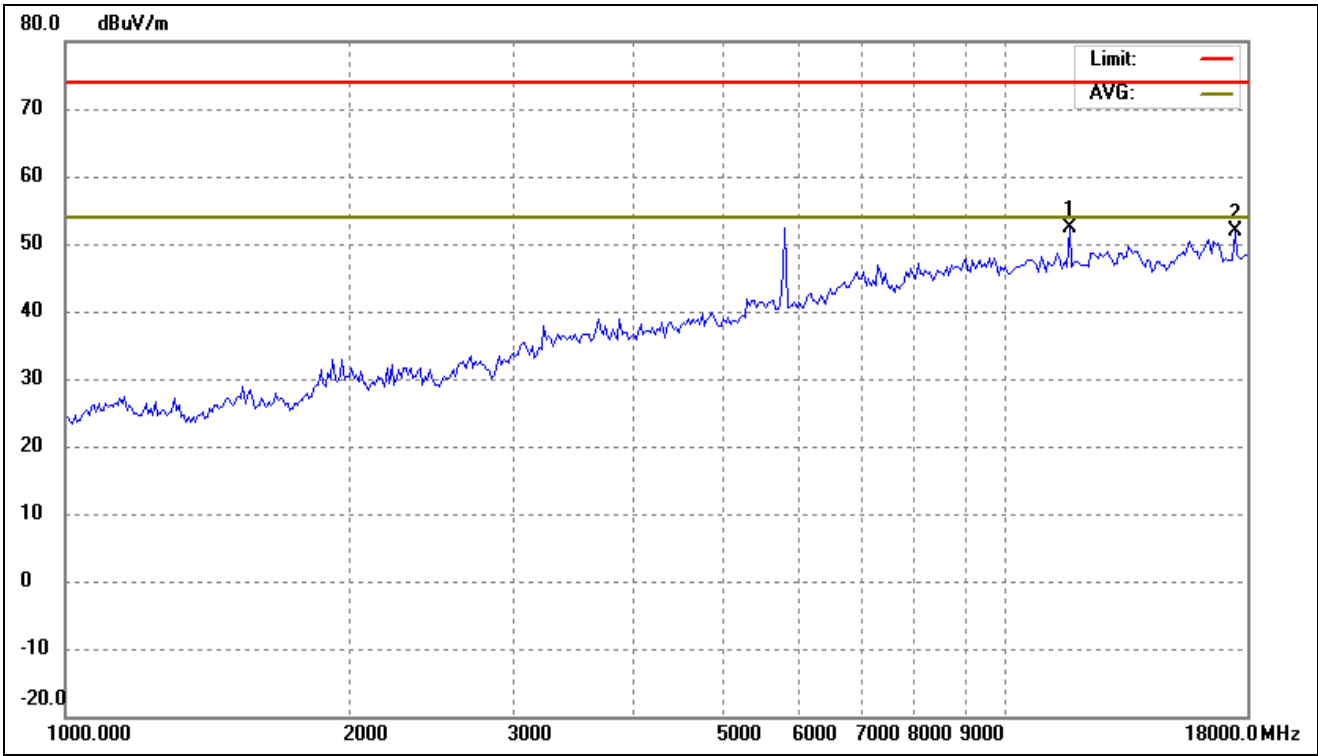
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11490.000	54.52	-1.65	52.87	74.00	-21.13	-	-	peak
2	17235.000	50.12	2.30	52.42	74.00	-21.58	-	-	peak

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



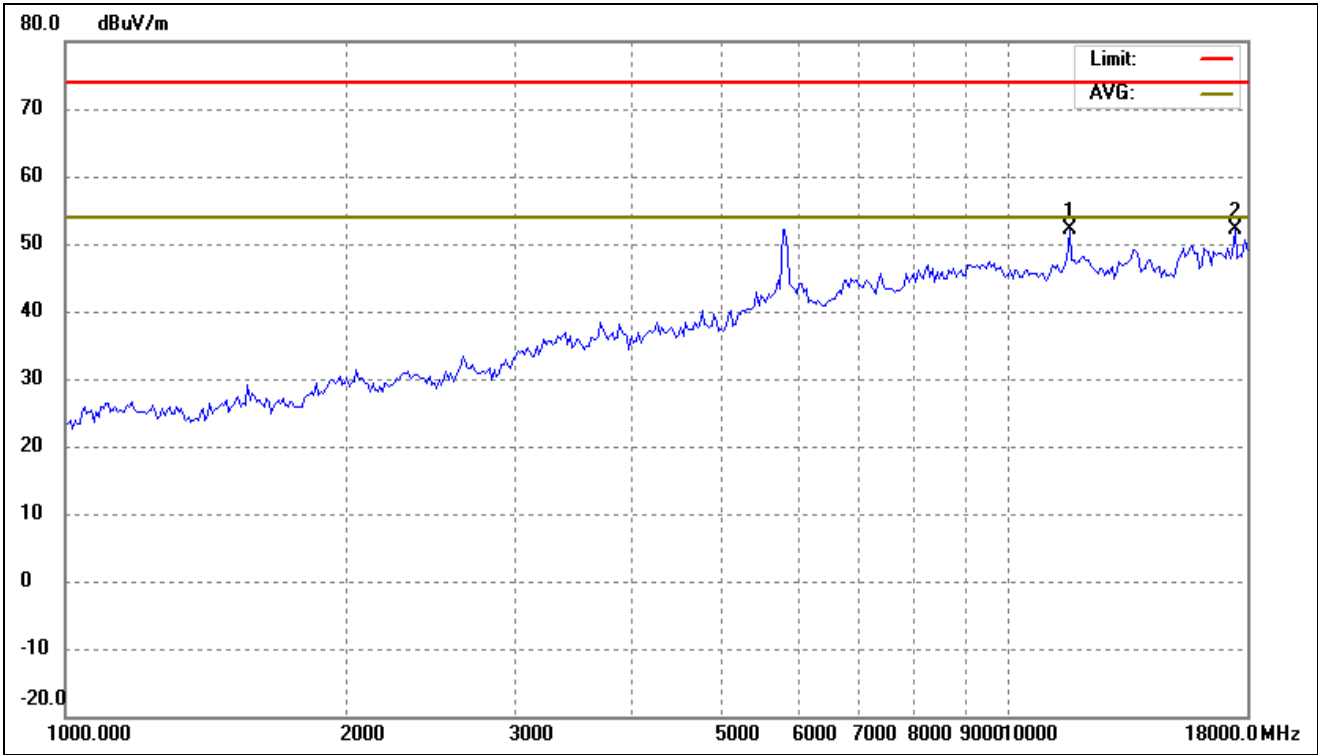
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11490.000	54.13	-1.65	52.48	74.00	-21.52	-	-	peak
2	17235.000	50.33	2.30	52.63	74.00	-21.37	-	-	peak

802.11a(worst case)			
Test Channel	5825MHz	Polarity:	Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11650.000	53.57	-1.14	52.43	74.00	-21.57	-	-	peak
2	17475.000	49.31	2.55	51.86	74.00	-22.14	-	-	peak

802.11a(worst case)			
Test Channel	5825MHz	Polarity:	Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	11650.000	53.35	-1.14	52.21	74.00	-21.79	-	-	peak
2	17475.000	49.52	2.55	52.07	74.00	-21.93	-	-	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.

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

- Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-43.44	-27
Highest	Above 5350	-42.17	-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	-42.26	-27
Highest	Above 5350	-41.41	-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	-42.70	-27
Highest	Above 5725	-39.42	-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	-46.41	-27
	5650 to 5700	-33.71	-27 to -17
	5700 to 5720	-27.17	-17 to 15.6
	5720 to 5725	-17.50	15.6 to 27
Highest	5850 to 5855	-14.34	27 to 15.6
	5855 to 5875	-21.87	15.6 to -17
	5875 to 5925	-33.11	-17 to -27
	Above 5925	-38.90	-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)

- Out of Band edge 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-40.40	-27
Highest	Above 5350	-41.86	-27
Note: the data just list the worst cases			

- Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-41.71	-27
Highest	Above 5350	-42.10	-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	-38.22	-27
Highest	Above 5725	-39.24	-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	-46.74	-27
	5650 to 5700	-33.46	-27 to -17
	5700 to 5720	-27.82	-17 to 15.6
	5720 to 5725	-17.36	15.6 to 27
Highest	5850 to 5855	-14.74	27 to 15.6
	5855 to 5875	-21.31	15.6 to -17
	5875 to 5925	-33.72	-17 to -27
	Above 5925	-38.36	-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 VHT20)

- Out of Band edge 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-40.44	-27
Highest	Above 5350	-41.14	-27
Note: the data just list the worst cases			

- Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-41.27	-27
Highest	Above 5350	-42.72	-27
Note: the data just list the worst cases			

- Out of Band edge for 5470-5725MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5470	-38.86	-27
Highest	Above 5725	-39.30	-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	-46.77	-27
	5650 to 5700	-33.25	-27 to -17
	5700 to 5720	-27.37	-17 to 15.6
	5720 to 5725	-17.22	15.6 to 27
Highest	5850 to 5855	-14.89	27 to 15.6
	5855 to 5875	-21.47	15.6 to -17
	5875 to 5925	-33.71	-17 to -27
	Above 5925	-38.32	-27
Note: the data just list the worst cases			

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

- Out of Band edge for 5150-5250MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-39.55	-27
Highest	Above 5350	-38.74	-27
Note: the data just list the worst cases			

- Out of Band edge for 5250-5350MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5150	-37.71	-27
Highest	Above 5350	-38.30	-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	-35.16	-27
Highest	Above 5725	-37.30	-27
Note: the data just list the worst cases			

- Out of Band edge for 5725-5850MHz

Test CH.	Test Segment	Result	Limit
	MHz	dBm/MHz	dBm/MHz
Lowest	Below 5715	-41.72	-27
	5715 to 5725	-35.60	-17
Highest	5850 to 5860	-37.85	-17
	Above 5860	-38.74	-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

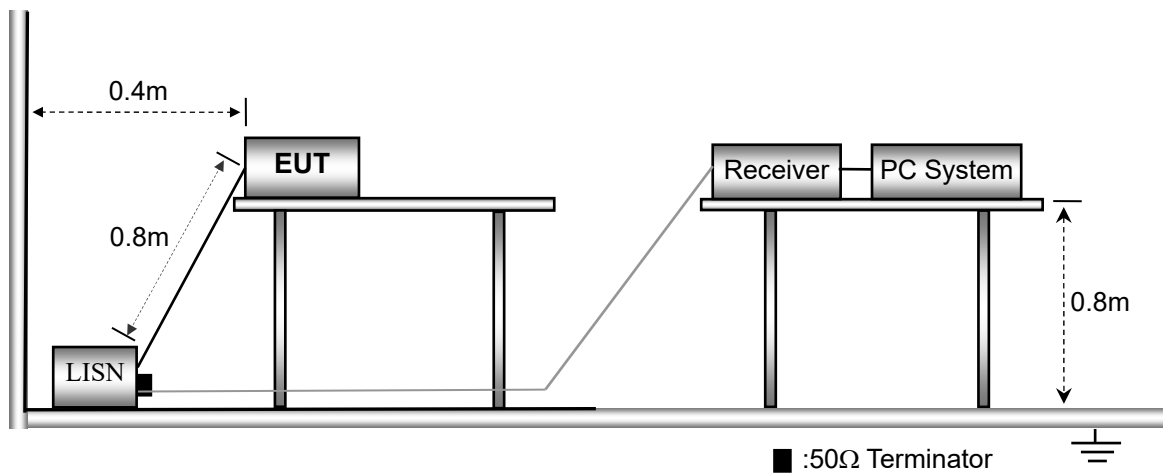
10. Conducted Emissions

10.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

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

10.2 Basic Test Setup Block Diagram



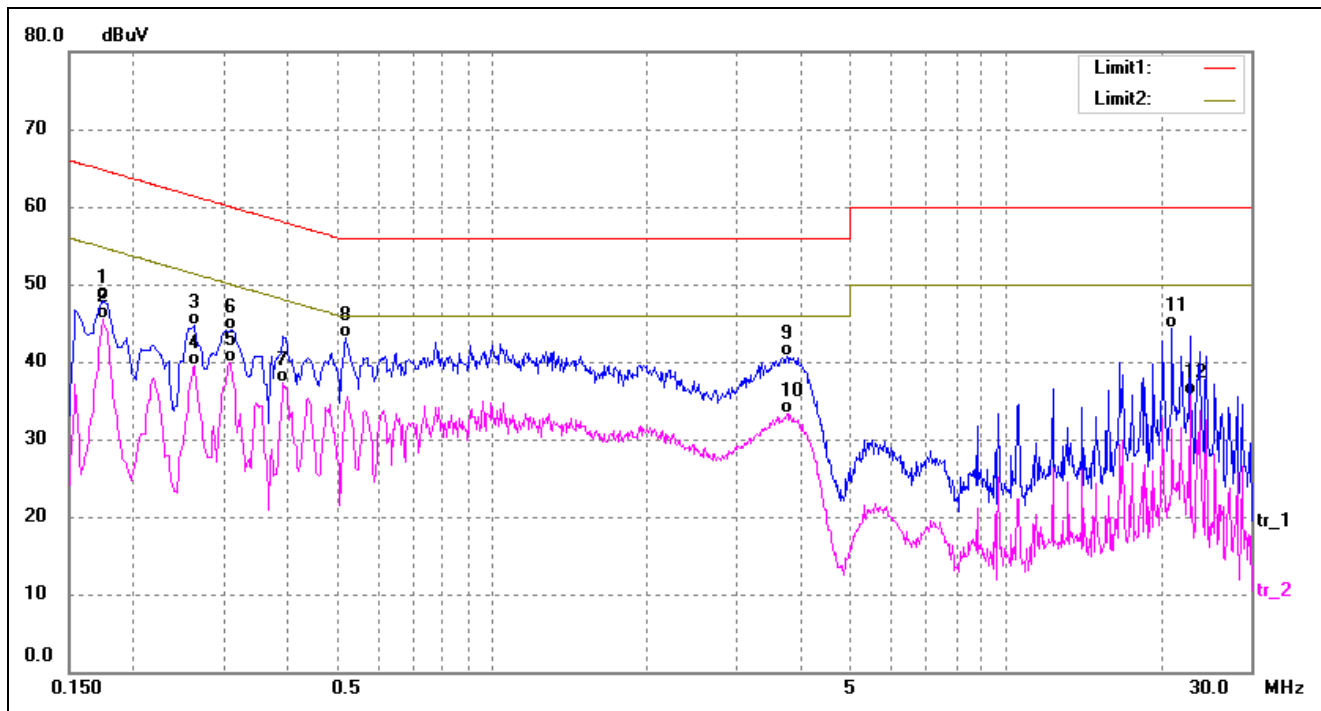
10.3 Test Receiver Setup

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

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

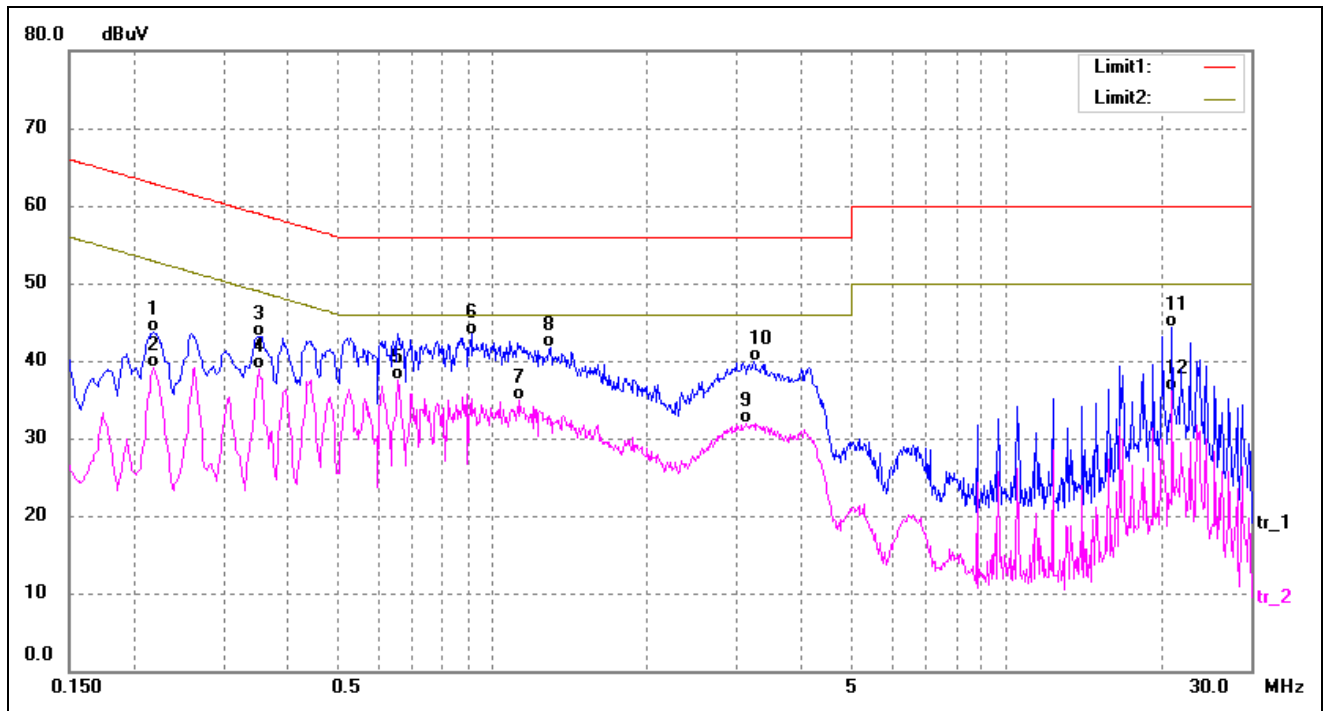
10.4 Summary of Test Results/Plots

Test Mode	Communication	AC120V 60Hz	Polarity:	Neutral
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	37.59	10.26	47.85	64.76	-16.91	QP
2*	0.1740	35.28	10.26	45.54	54.76	-9.22	AVG
3	0.2620	34.36	10.26	44.62	61.36	-16.74	QP
4	0.2620	29.17	10.26	39.43	51.36	-11.93	AVG
5	0.3060	29.64	10.23	39.87	50.08	-10.21	AVG
6	0.3100	33.97	10.23	44.20	59.97	-15.77	QP
7	0.3899	27.10	10.18	37.28	48.06	-10.78	AVG
8	0.5180	32.95	10.21	43.16	56.00	-12.84	QP
9	3.7580	30.67	10.11	40.78	56.00	-15.22	QP
10	3.7580	23.24	10.11	33.35	46.00	-12.65	AVG
11	21.1259	34.02	10.21	44.23	60.00	-15.77	QP
12	22.8900	25.44	10.19	35.63	50.00	-14.37	AVG

Test Mode	Communication	AC120V 60Hz	Polarity:	Line
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2180	33.36	10.26	43.62	62.89	-19.27	QP
2	0.2180	28.78	10.26	39.04	52.89	-13.85	AVG
3	0.3500	32.90	10.20	43.10	58.96	-15.86	QP
4	0.3500	28.76	10.20	38.96	48.96	-10.00	AVG
5*	0.6540	27.28	10.19	37.47	46.00	-8.53	AVG
6	0.9100	33.12	10.28	43.40	56.00	-12.60	QP
7	1.1300	24.54	10.30	34.84	46.00	-11.16	AVG
8	1.2980	31.46	10.29	41.75	56.00	-14.25	QP
9	3.1340	21.68	10.14	31.82	46.00	-14.18	AVG
10	3.2340	29.86	10.13	39.99	56.00	-16.01	QP
11	21.1259	34.06	10.21	44.27	60.00	-15.73	QP
12	21.1259	25.88	10.21	36.09	50.00	-13.91	AVG

APPENDIX SUMMARY

Project No.	WTX26X07208792W001	Test Engineer	Timi Huang
Start date	2026/7/27	Finish date	2026/7/28
Temperature	22.6℃	Humidity	58%
RF specifications	U-NII		

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

APPENDIX A

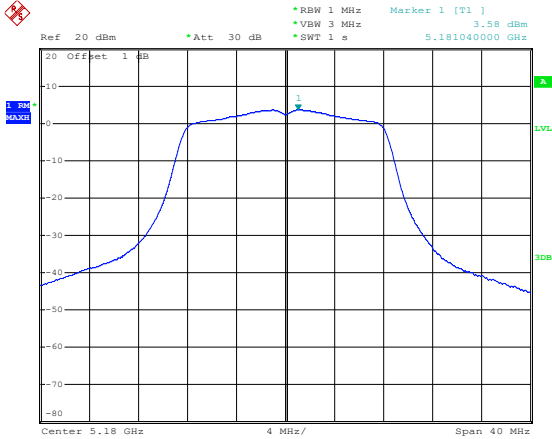
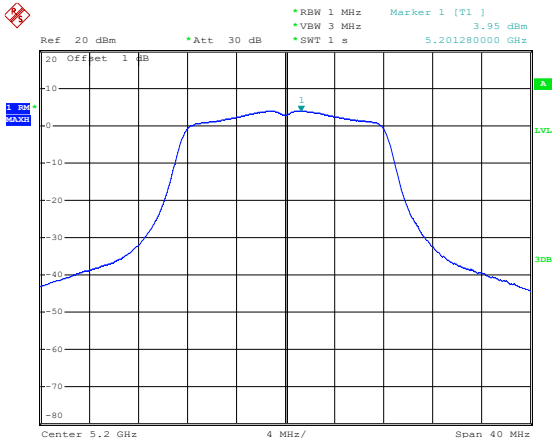
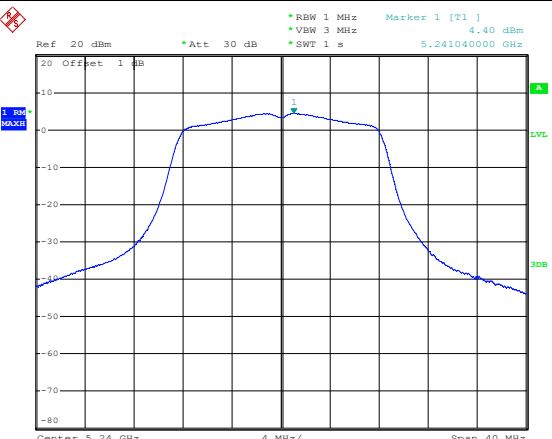
Power Spectral Density			
U-NII-1:5150-5250MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5180	3.58	11
	5200	3.95	11
	5240	4.40	11
802.11n-HT20	5180	2.35	11
	5200	2.77	11
	5240	3.18	11
802.11n-HT40	5190	-0.91	11
	5230	-0.46	11
802.11ac-VHT20	5180	2.28	11
	5200	2.75	11
	5240	3.15	11

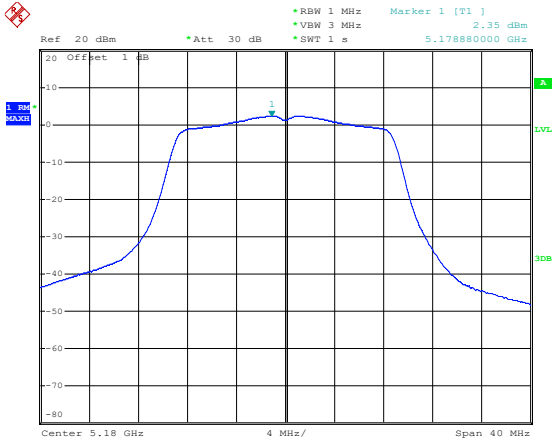
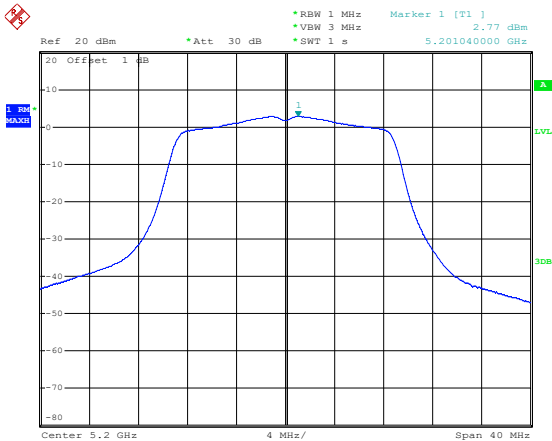
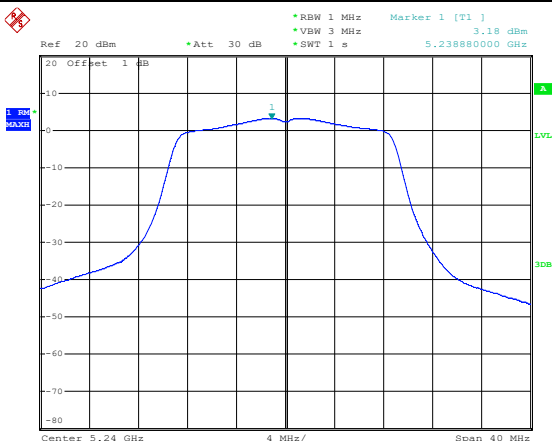
U-NII-2A: 5250-5350MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5260	3.98	11
	5280	4.20	11
	5320	3.69	11
802.11n-HT20	5260	2.86	11
	5280	3.20	11
	5320	2.63	11
802.11n-HT40	5270	-0.62	11
	5310	-0.95	11
802.11ac-VHT20	5260	2.88	11
	5280	3.13	11
	5320	2.55	11

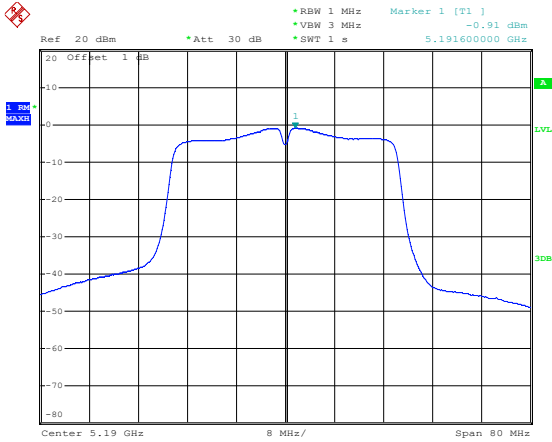
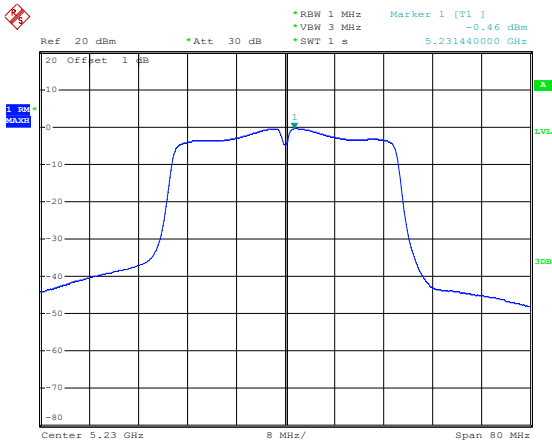
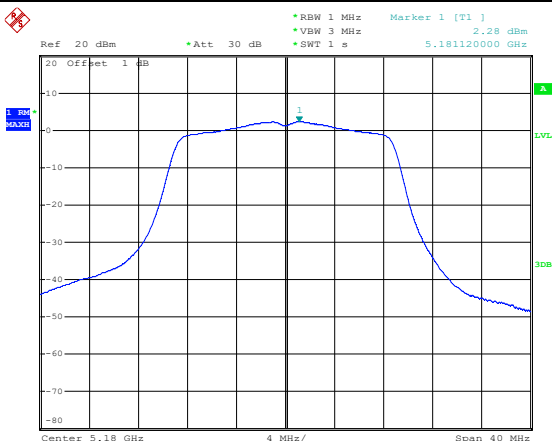
U-NII-2C: 5470-5725MHz			
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5500	3.43	11
	5600	3.64	11
	5700	4.24	11
802.11n-HT20	5500	2.62	11
	5600	2.49	11
	5700	3.00	11
802.11n-HT40	5510	-1.07	11
	5590	-0.45	11
	5670	-0.69	11
802.11ac-VHT20	5500	2.47	11
	5600	2.50	11
	5700	2.95	11

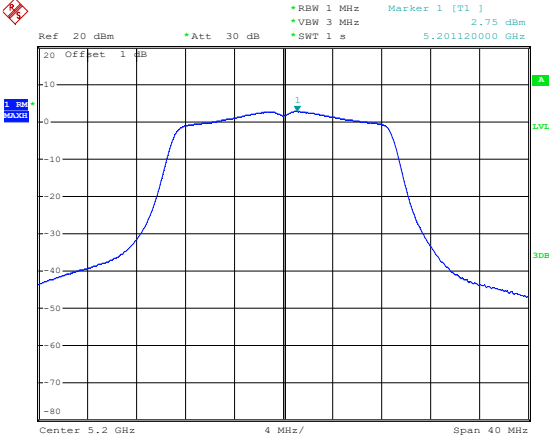
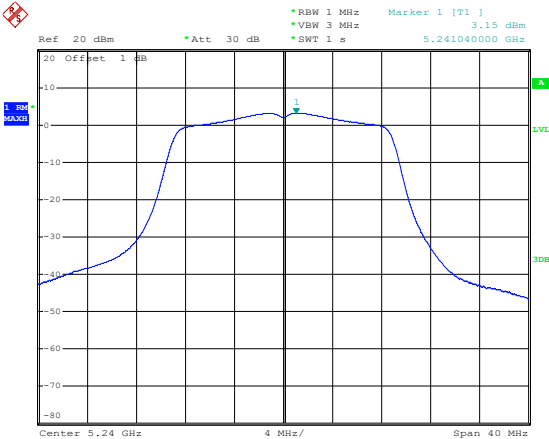
U-NII-3: 5725-5850MHz					
Operating mode	Test Channel	Power Spectral Density dBm/300kHz	Factor	Power Spectral Density* dBm/500kHz	Limit dBm/500kHz
802.11a	5745	-1.05	2.22	1.17	30
	5785	-0.86	2.22	1.36	30
	5825	-1.02	2.22	1.2	30
802.11n-HT20	5745	-1.58	2.22	0.64	30
	5785	-1.59	2.22	0.63	30
	5825	-1.81	2.22	0.41	30
802.11n HT40	5755	-5.73	2.22	-3.51	30
	5795	-6.05	2.22	-3.83	30
802.11ac VHT20	5745	-1.65	2.22	0.57	30
	5785	-1.68	2.22	0.54	30
	5825	-1.92	2.22	0.3	30
*Note: Maximum PSD=PSD(dBm/300kHz)+10log(500kHz/300kHz)=2.22					

5150-5250MHz

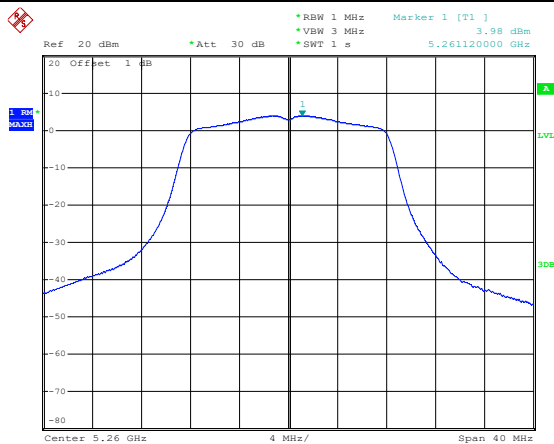
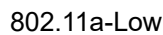
802.11a-Low	 Date: 27.JUL.2026 18:27:55
802.11a-Middle	 Date: 27.JUL.2026 18:28:10
802.11a-High	 Date: 27.JUL.2026 18:28:27

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 2.35 dBm *VBW 3 MHz *SWT 1 s 5.178880000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:27:35
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 2.77 dBm *VBW 3 MHz *SWT 1 s 5.201040000 GHz Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:27:20
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 3.18 dBm *VBW 3 MHz *SWT 1 s 5.238880000 GHz Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:27:04

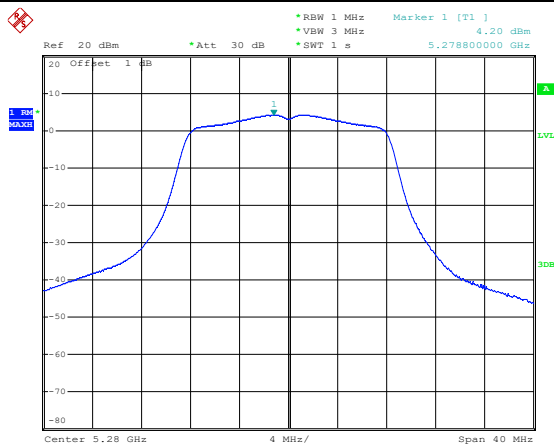
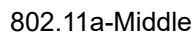
802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] -0.91 dBm 5.19160000 GHz Center 5.19 GHz 8 MHz/ Span 80 MHz Date: 27.JUL.2026 18:25:36
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] -0.46 dBm 5.23144000 GHz Center 5.23 GHz 8 MHz/ Span 80 MHz Date: 27.JUL.2026 18:25:18
802.11ac-VHT20-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VBW 3 MHz *SWT 1 s Marker 1 [T1] 2.28 dBm 5.18112000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:26:11

802.11ac-VHT20-Middle	 Date: 27.JUL.2026 18:26:28
802.11ac-VHT20-High	 Date: 27.JUL.2026 18:26:47

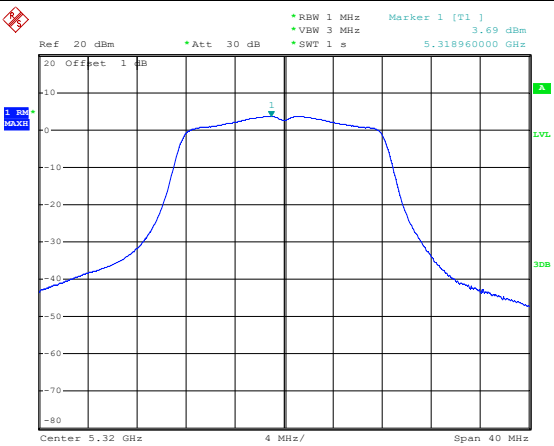
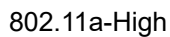
5250-5350MHz



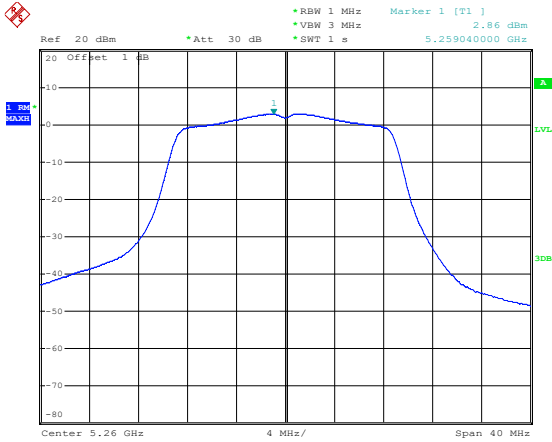
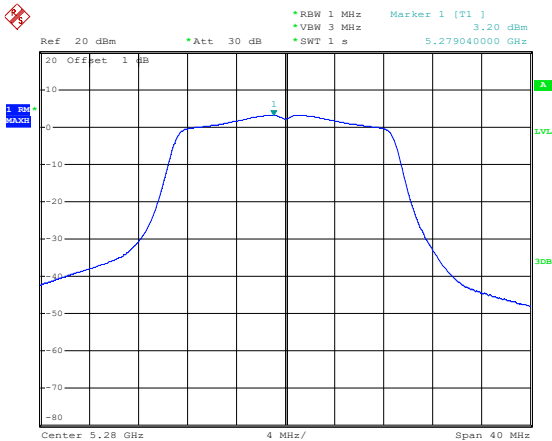
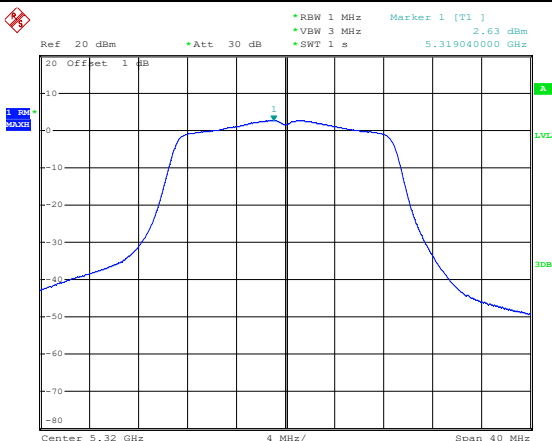
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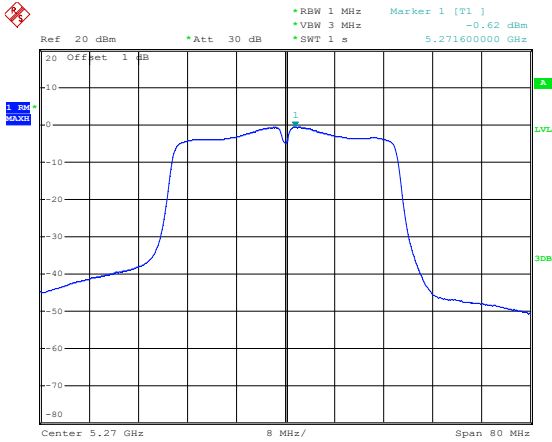
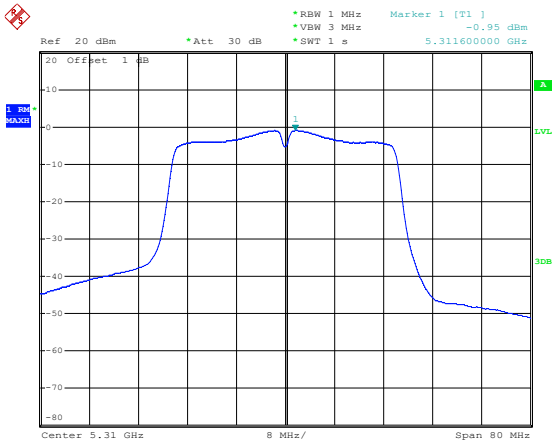
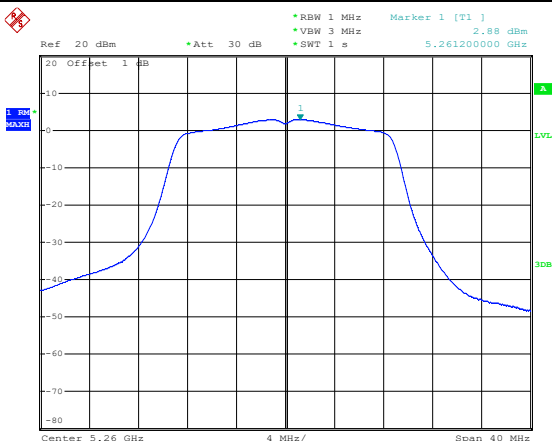


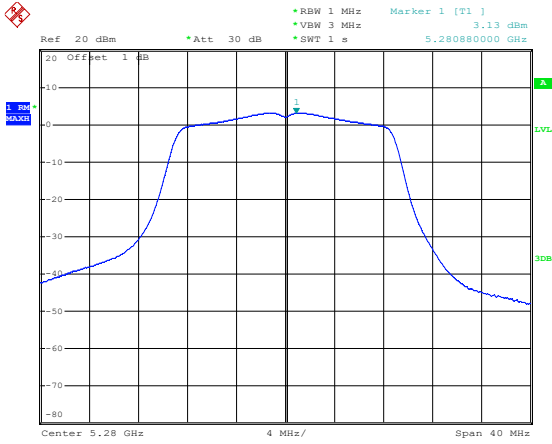
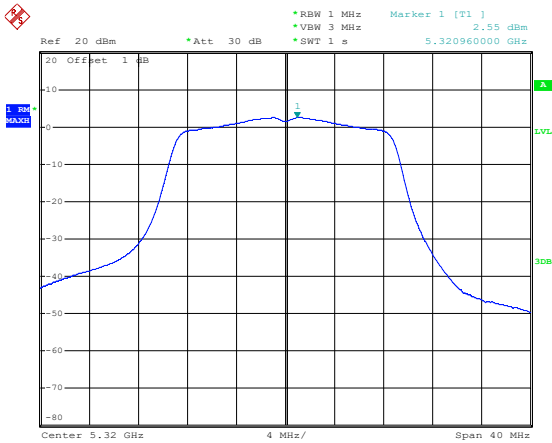
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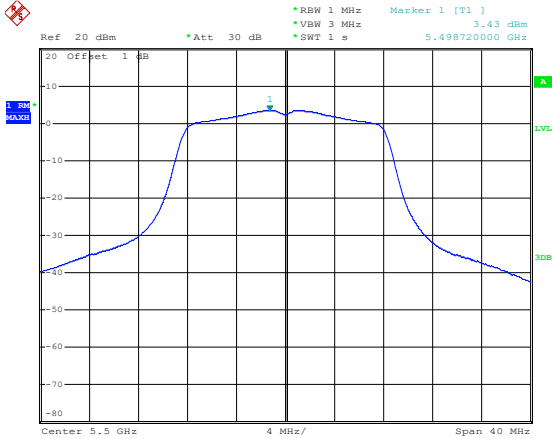
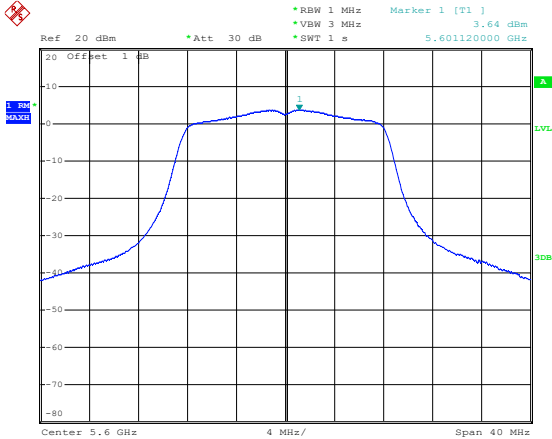
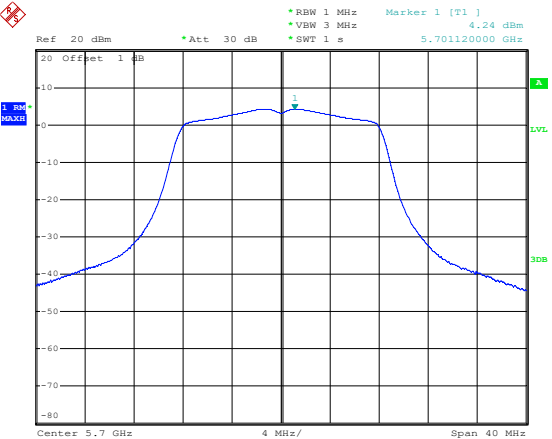
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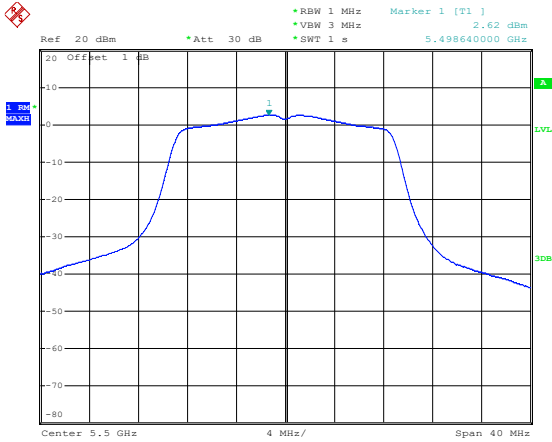
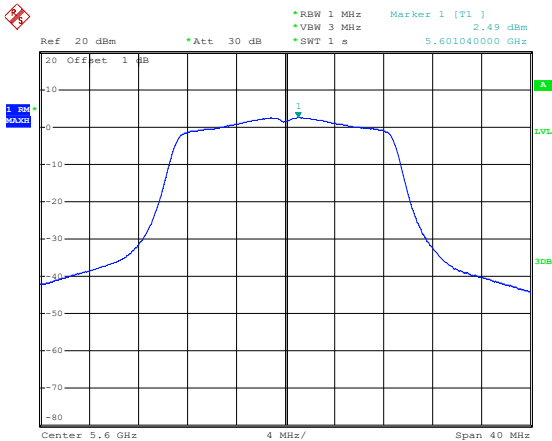
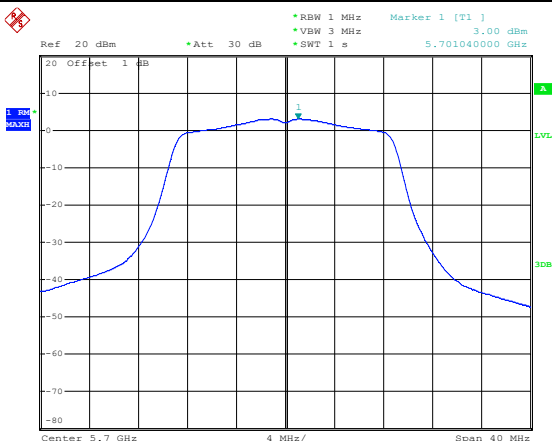
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802.11n-HT20-Middle	 Date: 27.JUL.2026 19:23:45
802.11n-HT20-High	 Date: 27.JUL.2026 19:23:30

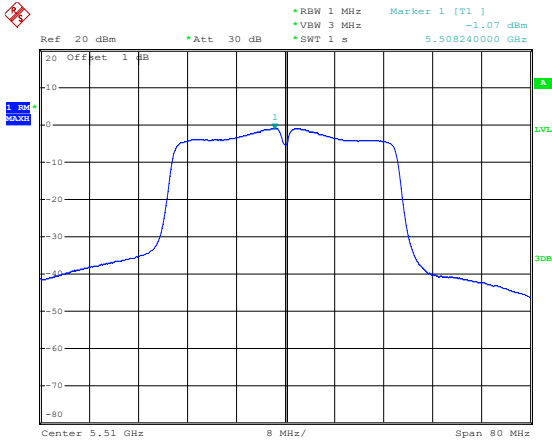
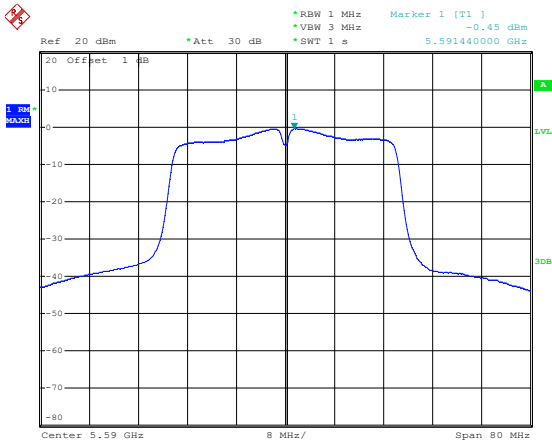
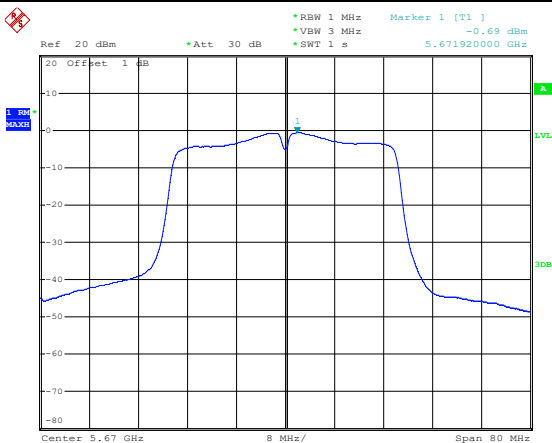
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802.11n-HT40-High	 Date: 27.JUL.2026 19:21:46
802.11ac-VHT20-Low	 Date: 27.JUL.2026 19:22:31

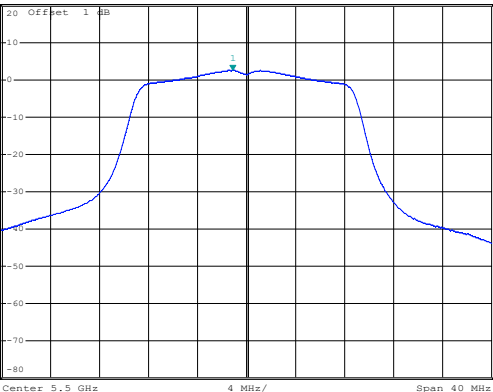
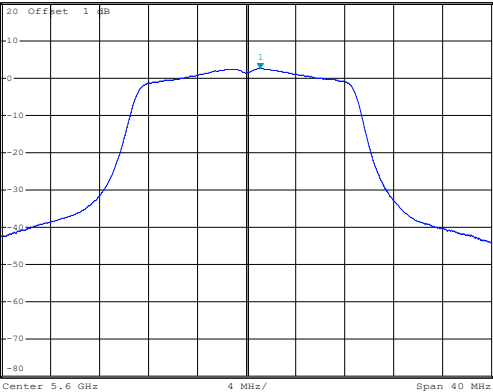
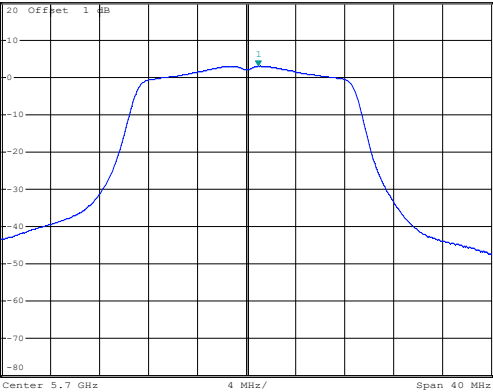
802.11ac-VHT20-Middle	 Date: 27.JUL.2026 19:22:49
802.11ac-VHT20-High	 Date: 27.JUL.2026 19:23:16

5470-5725MHz

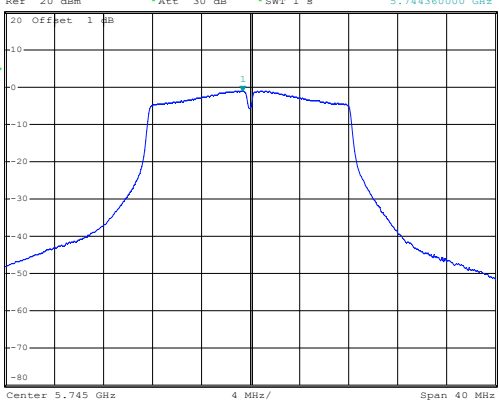
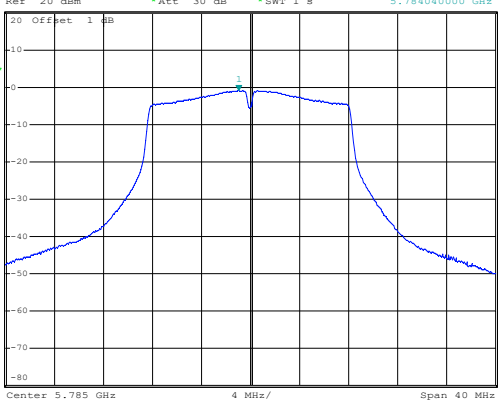
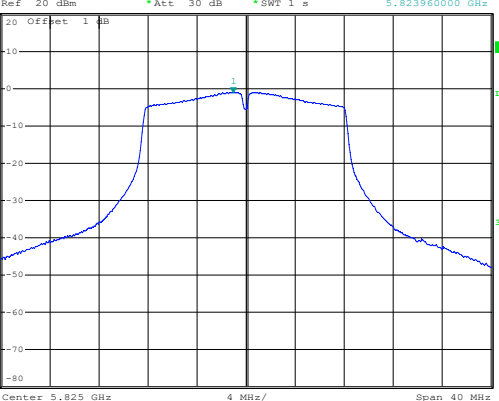
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802.11a-Middle	 Date: 28.JUL.2026 09:37:06
802.11a-High	 Date: 28.JUL.2026 09:37:27

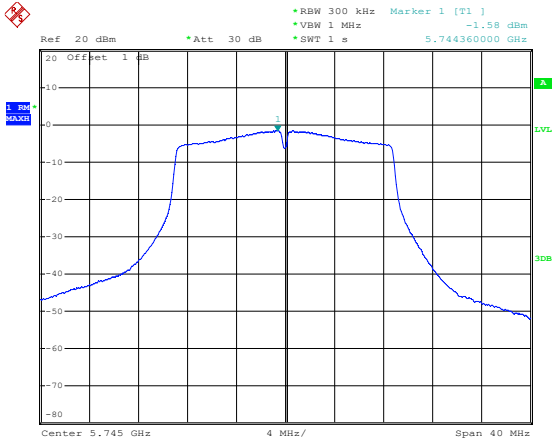
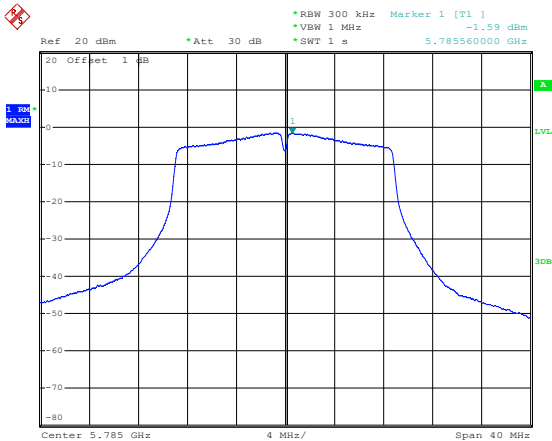
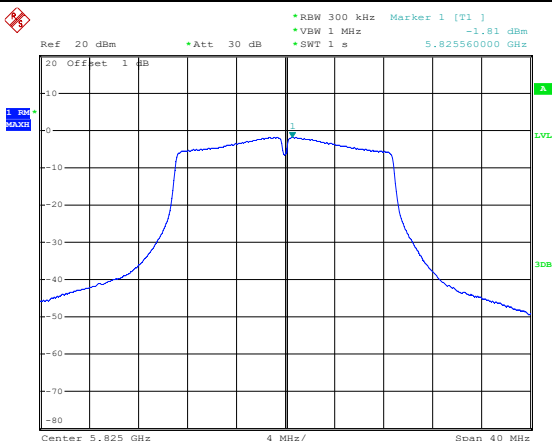
802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 2.62 dBm *VBW 3 MHz *SWT 1 s 5.498640000 GHz Center 5.5 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:36:15
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 2.49 dBm *VBW 3 MHz *SWT 1 s 5.601040000 GHz Center 5.6 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:35:51
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz Marker 1 [T1] 3.00 dBm *VBW 3 MHz *SWT 1 s 5.701040000 GHz Center 5.7 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:35:21

802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VSW 3 MHz *SWT 1 s Marker 1 [T1] -1.07 dBm 5.508240000 GHz 20 Offset 1 dB Center 5.51 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:32:29
802.11n-HT40-Middle	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VSW 3 MHz *SWT 1 s Marker 1 [T1] -0.45 dBm 5.591440000 GHz 20 Offset 1 dB Center 5.59 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:32:02
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB *RBW 1 MHz *VSW 3 MHz *SWT 1 s Marker 1 [T1] -0.69 dBm 5.671920000 GHz 20 Offset 1 dB Center 5.67 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:31:04

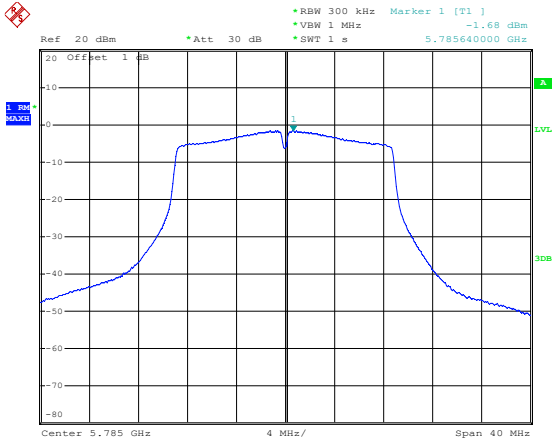
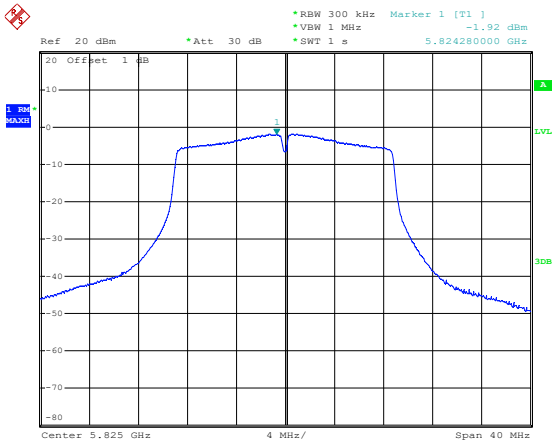
802.11ac-VHT20-Low	 Date: 28.JUL.2026 09:33:39
802.11ac-VHT20-Middle	 Date: 28.JUL.2026 09:34:17
802.11ac-VHT20-High	 Date: 28.JUL.2026 09:34:48

5725-5850MHz

802.11a-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.05 dBm *VBW 1 MHz *SWT 1 s 5.744360000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:10:00
802.11a-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -0.86 dBm *VBW 1 MHz *SWT 1 s 5.784040000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:10:17
802.11a-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.02 dBm *VBW 1 MHz *SWT 1 s 5.823960000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:10:38

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.58 dBm *VBW 1 MHz *SWT 1 s 5.744360000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:09:46
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.59 dBm *VBW 1 MHz *SWT 1 s 5.785560000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:09:26
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.81 dBm *VBW 1 MHz *SWT 1 s 5.825560000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:09:07

Channel	Plot Type	Frequency (GHz)	Power (dBm)	Bandwidth (kHz)	Span (MHz)	Resolution (kHz)	Marker 1 [T1]
802.11n-HT40-Low	Power Spectrum	5.755	-5.73	300	80	1	-5.73 dBm
802.11n-HT40-High	Power Spectrum	5.795	-6.05	300	80	1	-6.05 dBm
802.11ac-VHT20-Low	Power Spectrum	5.745	-1.65	300	40	1	-1.65 dBm

802.11ac-VHT20-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.68 dBm *VBW 1 MHz *SWT 1 s 5.785640000 GHz 20 Offset 1 dB Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:08:26
802.11ac-VHT20-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] -1.92 dBm *VBW 1 MHz *SWT 1 s 5.824280000 GHz 20 Offset 1 dB Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:08:46

APPENDIX B

Emission Bandwidth and Occupied Bandwidth

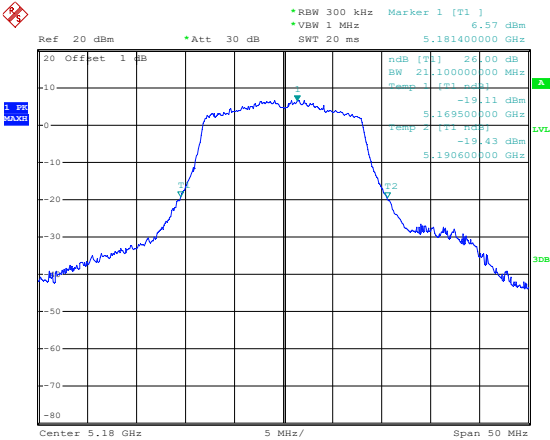
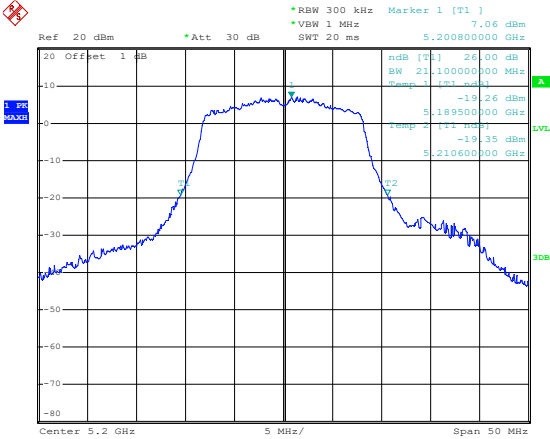
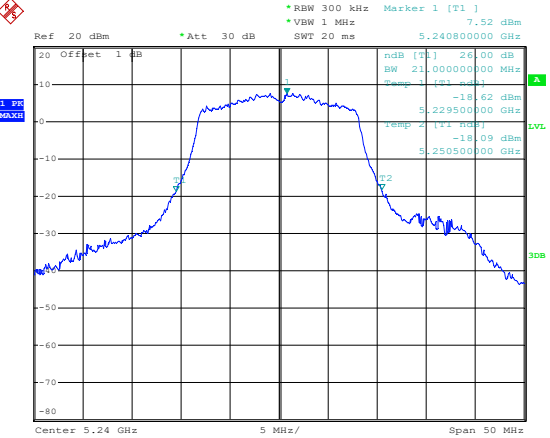
U-NII-1:5150-5250MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5180	21.10	16.72	Pass
	5200	21.10	16.72	Pass
	5240	21.00	16.72	Pass
802.11n-HT20	5180	22.00	17.84	Pass
	5200	22.00	17.76	Pass
	5240	22.00	17.84	Pass
802.11n-HT40	5190	40.40	36.64	Pass
	5230	40.20	36.48	Pass
802.11ac-VHT20	5180	21.90	17.84	Pass
	5200	21.90	17.76	Pass
	5240	21.80	17.84	Pass

U-NII-2A: 5250-5350MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5260	21.00	16.72	Pass
	5280	21.00	16.72	Pass
	5320	21.10	16.72	Pass
802.11n-HT20	5260	21.90	17.76	Pass
	5280	22.00	17.76	Pass
	5320	22.00	17.84	Pass
802.11n-HT40	5270	40.40	36.48	Pass
	5310	40.40	36.64	Pass
802.11ac-VHT20	5260	21.80	17.84	Pass
	5280	21.90	17.84	Pass
	5320	21.90	17.84	Pass

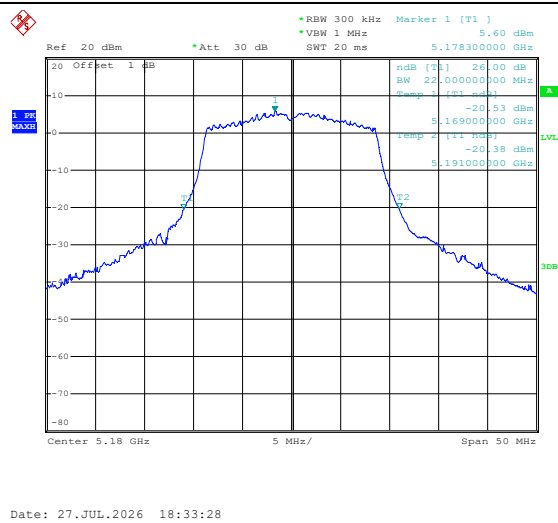
U-NII-2C: 5470-5725MHz				
Test Mode	Test Channel MHz	26 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5500	21.10	16.72	Pass
	5600	21.20	16.80	Pass
	5700	21.20	16.72	Pass
802.11n-HT20	5500	22.20	17.84	Pass
	5600	22.20	17.84	Pass
	5700	22.00	17.76	Pass
802.11n-HT40	5510	40.20	36.64	Pass
	5590	40.20	36.64	Pass
	5670	40.20	36.64	Pass
802.11ac-VHT20	5500	21.90	17.84	Pass
	5600	22.00	17.84	Pass
	5700	21.90	17.84	Pass

U-NII-3: 5725-5850MHz				
Test Mode	Test Channel MHz	6 dB Bandwidth MHz	99% Bandwidth MHz	Limit MHz
802.11a	5745	15.36	16.72	≥500
	5785	15.76	16.72	≥500
	5825	15.76	16.72	≥500
802.11n-HT20	5745	15.36	17.84	≥500
	5785	15.36	17.84	≥500
	5825	15.28	17.84	≥500
802.11n-HT40	5755	35.52	36.48	≥500
	5795	35.52	36.64	≥500
802.11ac VHT20	5745	15.28	17.84	≥500
	5785	15.28	17.84	≥500
	5825	15.28	17.84	≥500

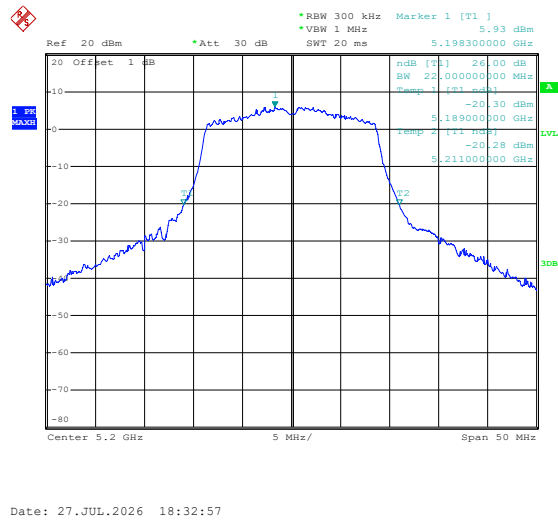
26 dB Bandwidth
5150-5250MHz

802.11a-Low	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 6.57 dBm VBW 1 MHz SWT 20 ms 5.181400000 GHz ndB [T1] 26.00 dB BW 21.100000000 MHz Temp 1 [T1] -19.11 dBm 5.169500000 GHz Temp 2 [T2] -19.43 dBm 5.190600000 GHz Center 5.18 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 18:50:44
802.11a-Middle	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 7.06 dBm VBW 1 MHz SWT 20 ms 5.200800000 GHz ndB [T1] 26.00 dB BW 21.100000000 MHz Temp 1 [T1] -19.26 dBm 5.189500000 GHz Temp 2 [T2] -19.35 dBm 5.210600000 GHz Center 5.2 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 18:51:10
802.11a-High	 Ref 20 dBm *Att 30 dB RBW 300 kHz Marker 1 [T1] 7.52 dBm VBW 1 MHz SWT 20 ms 5.240800000 GHz ndB [T1] 26.00 dB BW 21.000000000 MHz Temp 1 [T1] -18.62 dBm 5.229500000 GHz Temp 2 [T2] -18.09 dBm 5.250500000 GHz Center 5.24 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 18:51:38

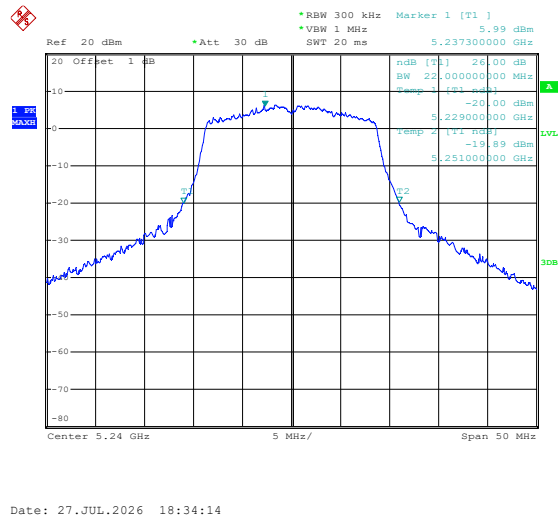
802.11n-HT20-Low

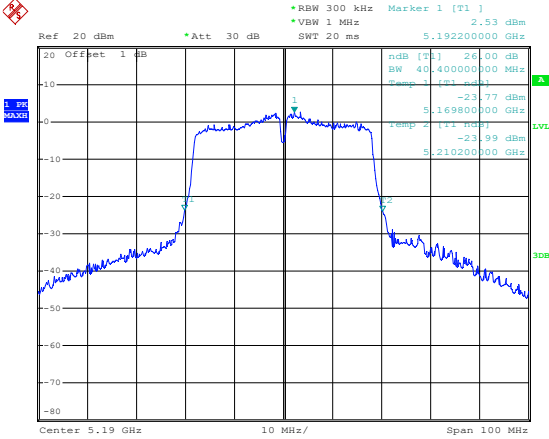
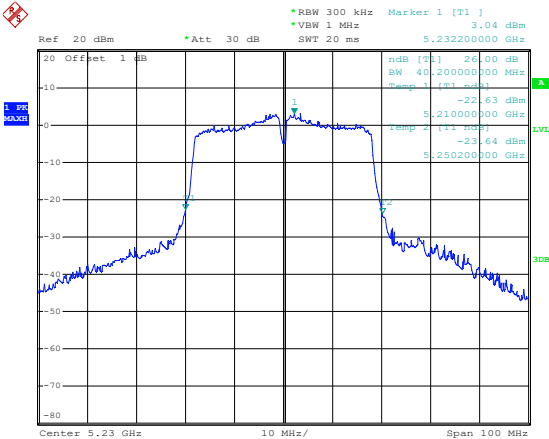
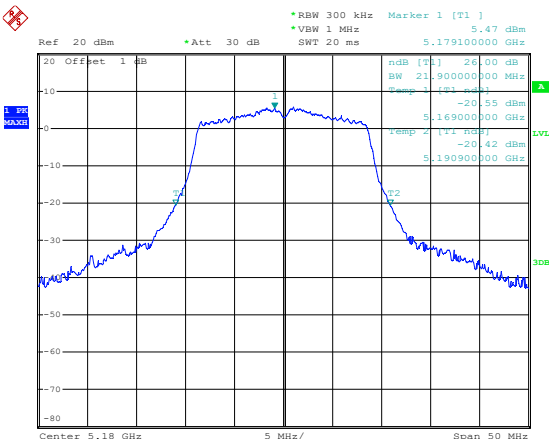


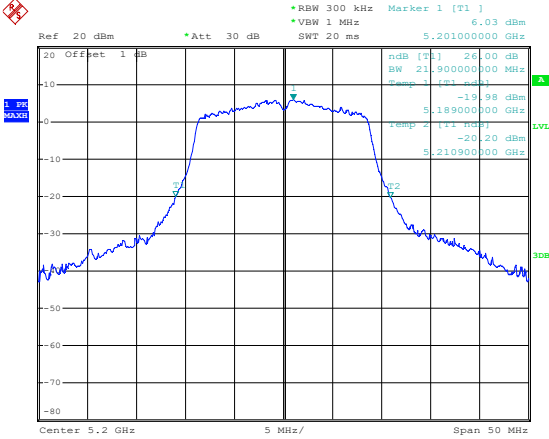
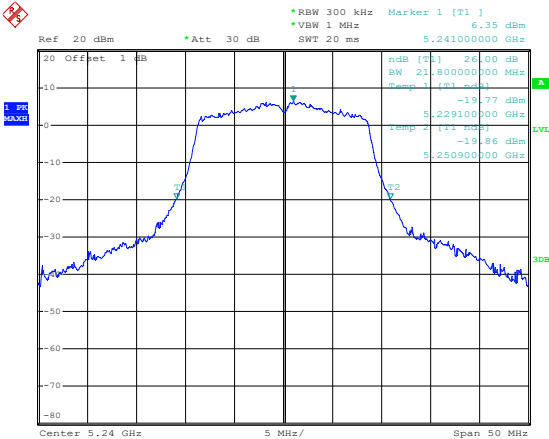
802.11n-HT20-Middle



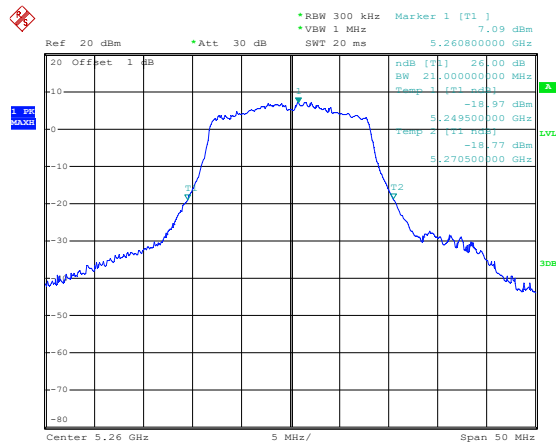
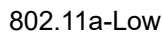
802.11n-HT20-High



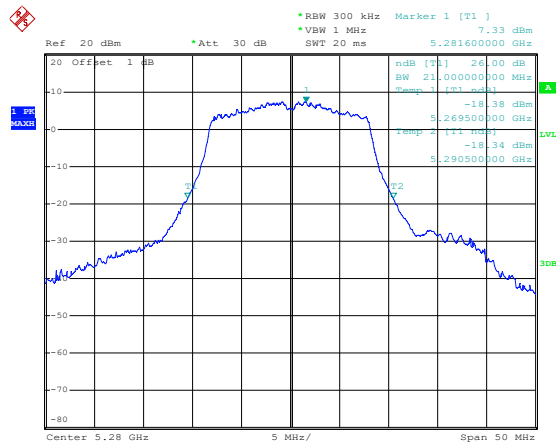
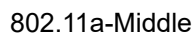
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802.11n-HT40-High	 Date: 27.JUL.2026 18:39:51
802.11ac-VHT20-Low	 Date: 27.JUL.2026 18:38:16

802.11ac-VHT20-Middle	 Date: 27.JUL.2026 18:50:08
802.11ac-VHT20-High	 Date: 27.JUL.2026 18:37:04

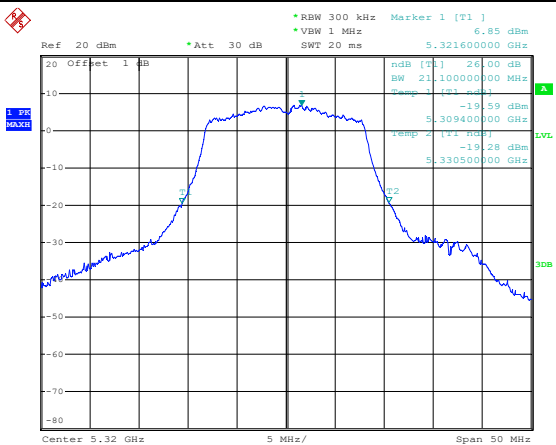
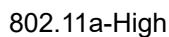
26 dB Bandwidth
5250-5350MHz



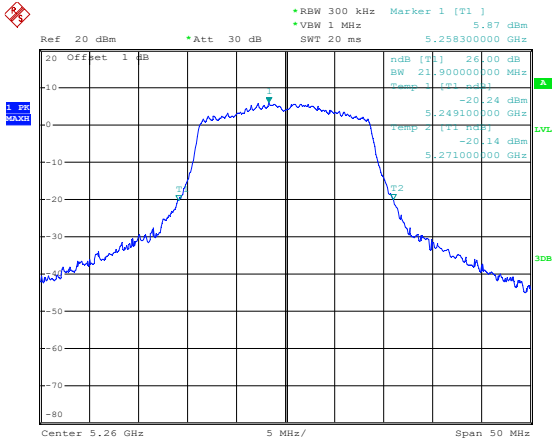
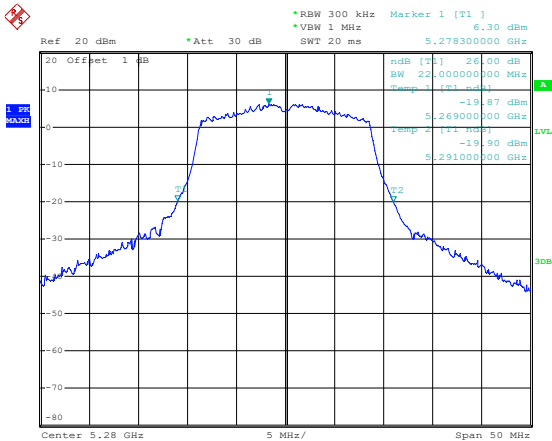
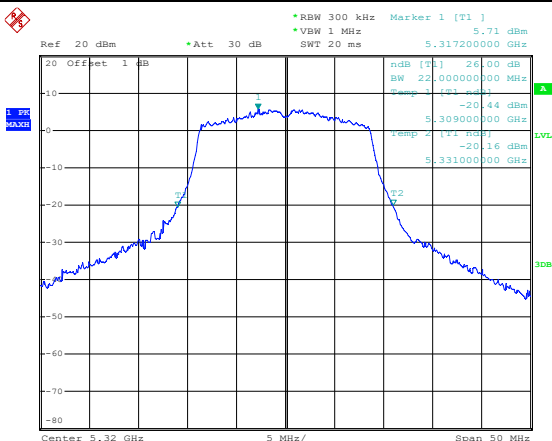
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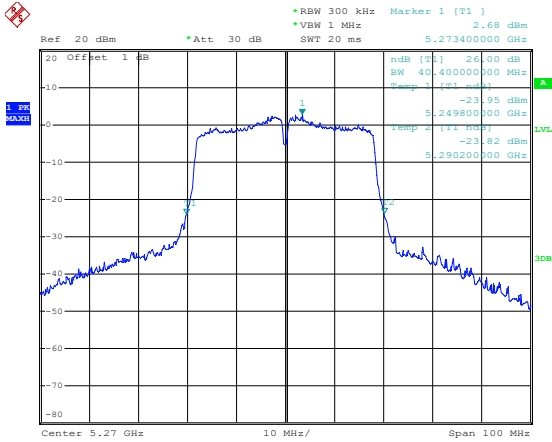
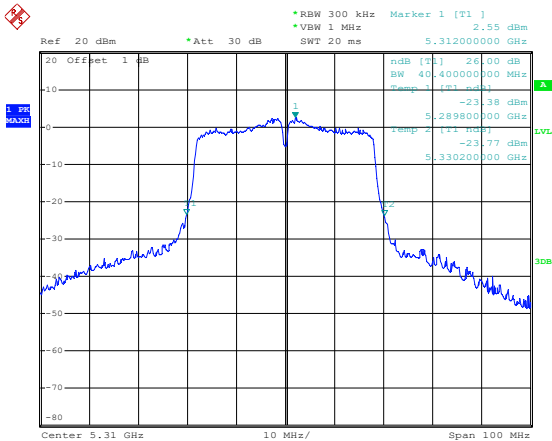
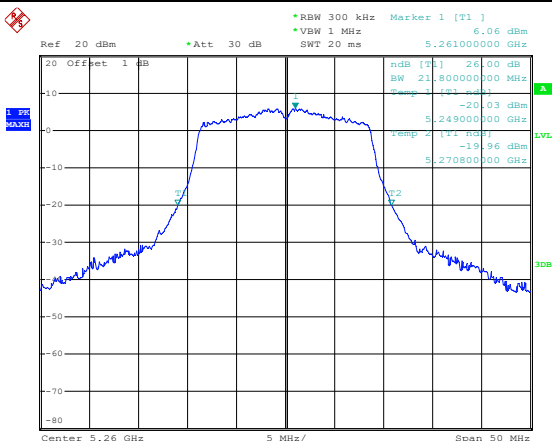


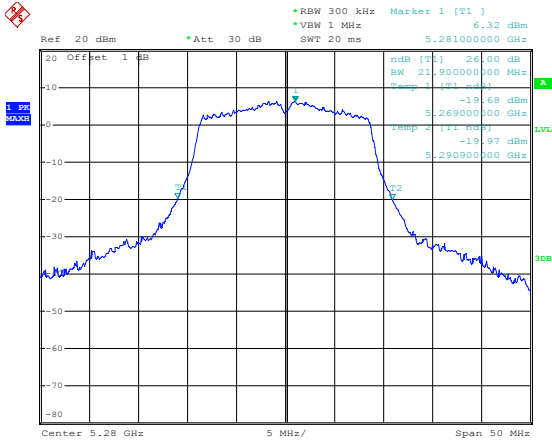
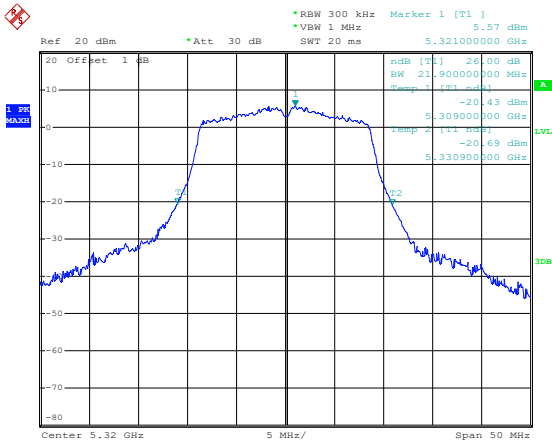
Date: 27.JUL.2026 19:26:51



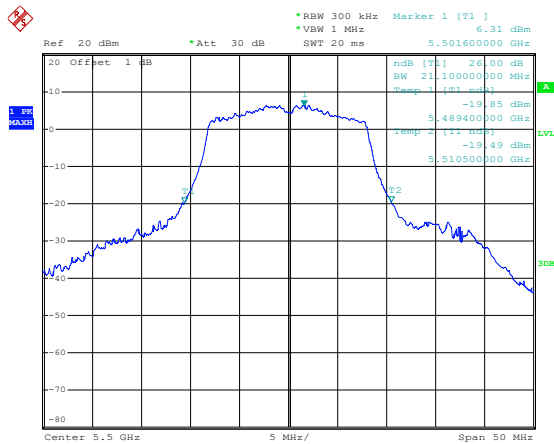
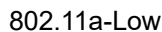
Date: 27.JUL.2026 19:26:09

802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.258300000 GHz ndB [T1] 26.00 dB BW 21.900000000 MHz Temp 1 [T1] -20.24 dBm Temp 2 [T2] -20.14 dBm Center 5.26 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 19:28:22
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.278300000 GHz ndB [T1] 26.00 dB BW 22.000000000 MHz Temp 1 [T1] -19.87 dBm Temp 2 [T2] -19.90 dBm Center 5.28 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 19:29:07
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.317200000 GHz ndB [T1] 26.00 dB BW 22.000000000 MHz Temp 1 [T1] -20.44 dBm Temp 2 [T2] -20.16 dBm Center 5.32 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 19:29:50

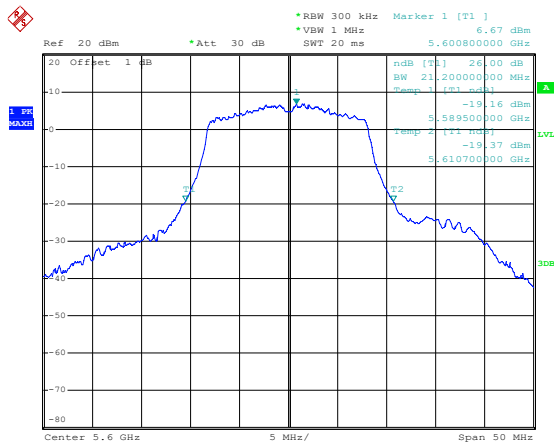
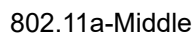
802.11n-HT40-Low	 Date: 27.JUL.2026 19:33:04
802.11n-HT40-High	 Date: 27.JUL.2026 19:34:04
802.11ac-VHT20-Low	 Date: 27.JUL.2026 19:31:58

802.11ac-VHT20-Middle	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.281000000 GHz Marker 1 [T1] 5.281000000 GHz 6.32 dBm ndB [T1] -19.68 dBm BW 21.900000000 MHz Temp 1 [T1] -19.68 dBm Temp 2 [T2] -19.97 dBm Temp 3 [T3] -19.97 dBm Center 5.28 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 19:31:16
802.11ac-VHT20-High	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.321000000 GHz Marker 1 [T1] 5.321000000 GHz 5.57 dBm ndB [T1] -20.43 dBm BW 21.900000000 MHz Temp 1 [T1] -20.43 dBm Temp 2 [T2] -20.69 dBm Temp 3 [T3] -20.69 dBm Center 5.32 GHz 5 MHz/ Span 50 MHz Date: 27.JUL.2026 19:30:35

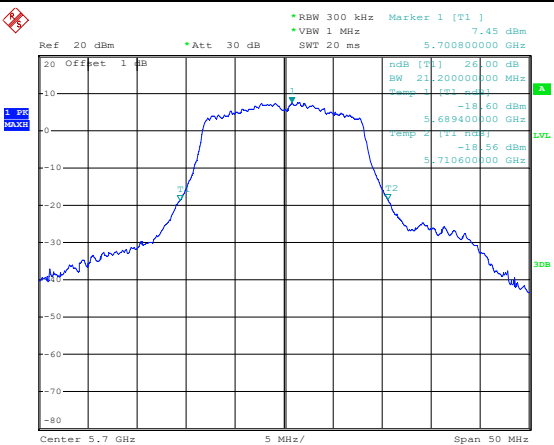
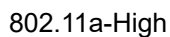
26 dB Bandwidth
5470-5725MHz



Date: 28.JUL.2026 09:47:13

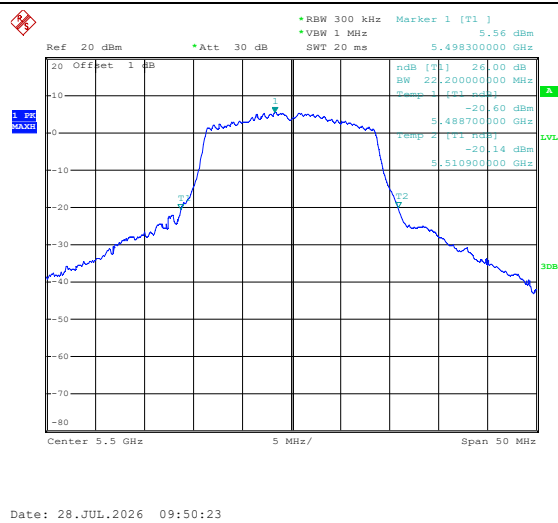


Date: 28.JUL.2026 09:46:21

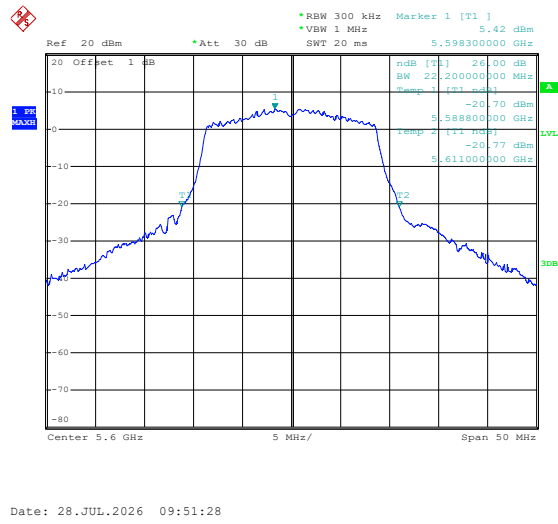


Date: 28.JUL.2026 09:41:46

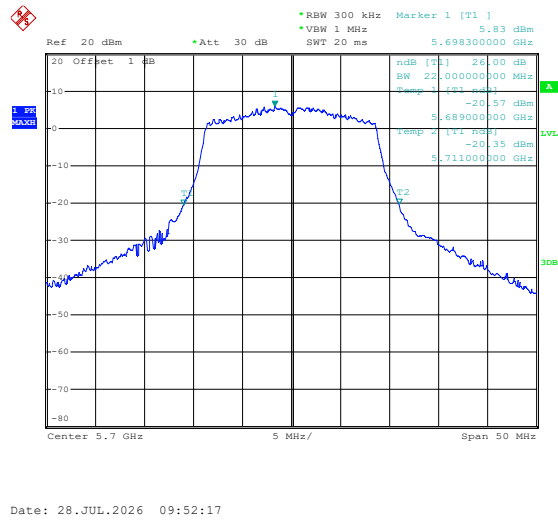
802.11n-HT20-Low



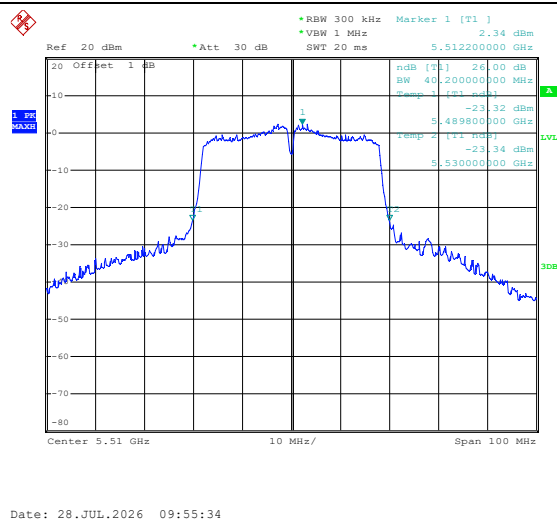
802.11n-HT20-Middle



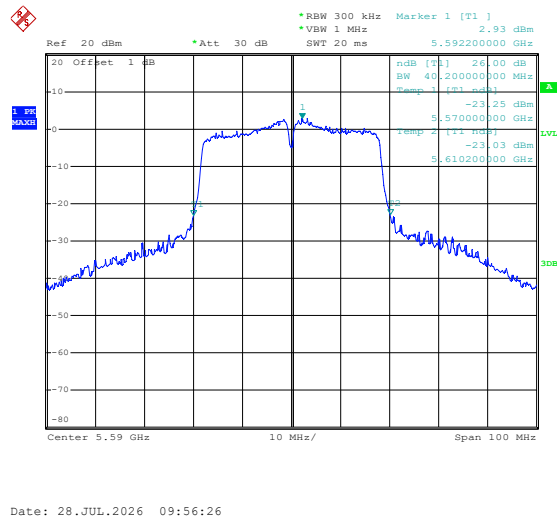
802.11n-HT20-High



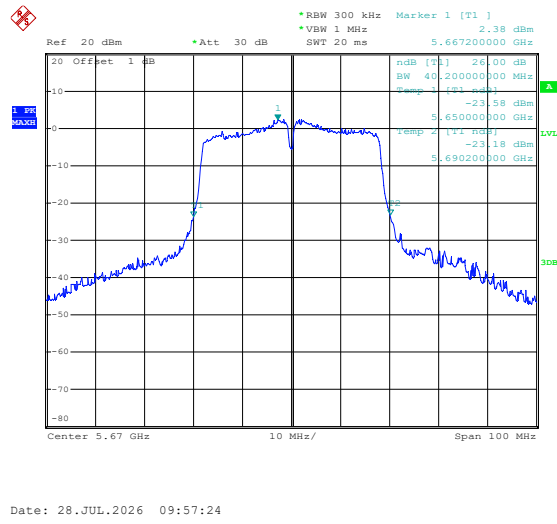
802.11n-HT40-Low

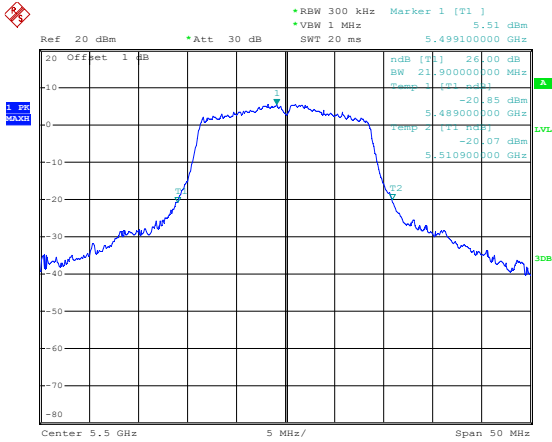
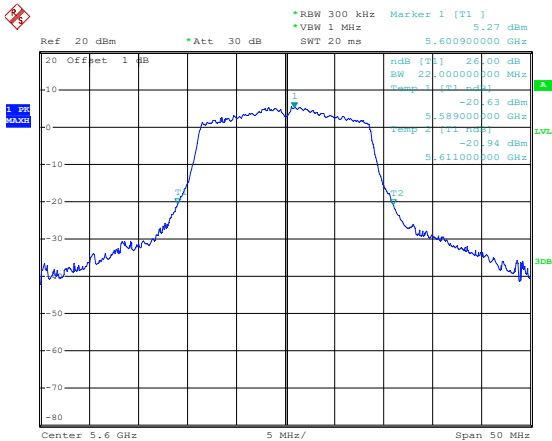
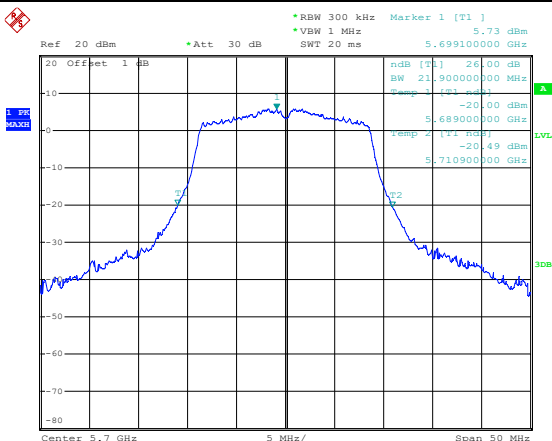


802.11n-HT40-Middle

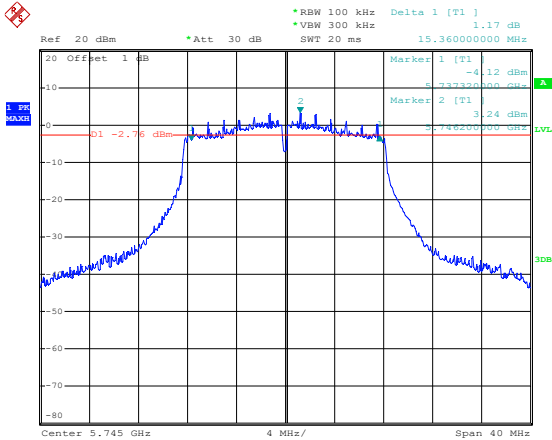
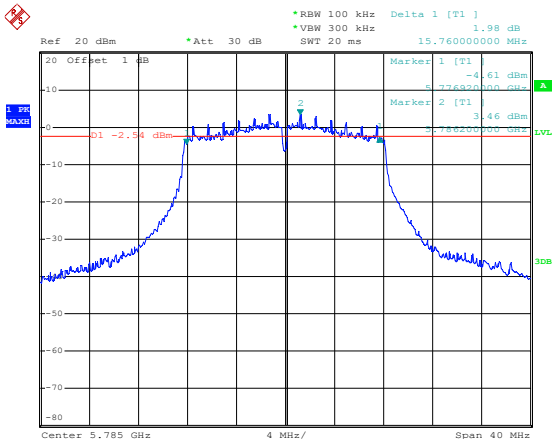
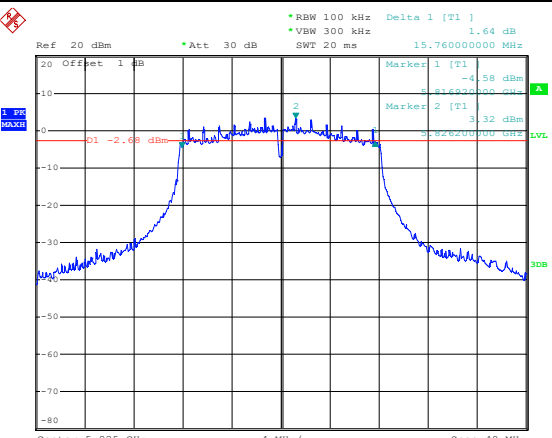


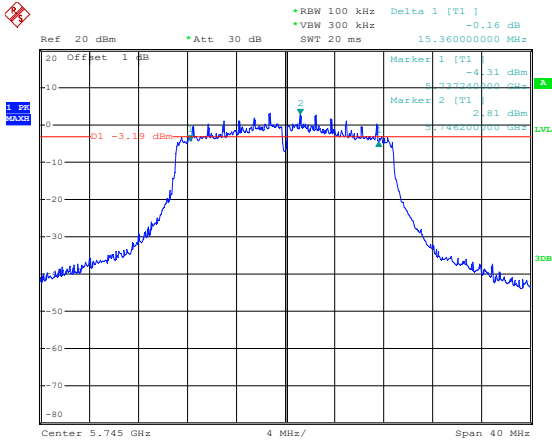
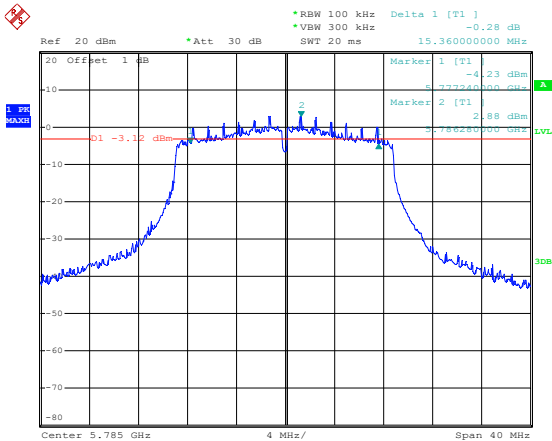
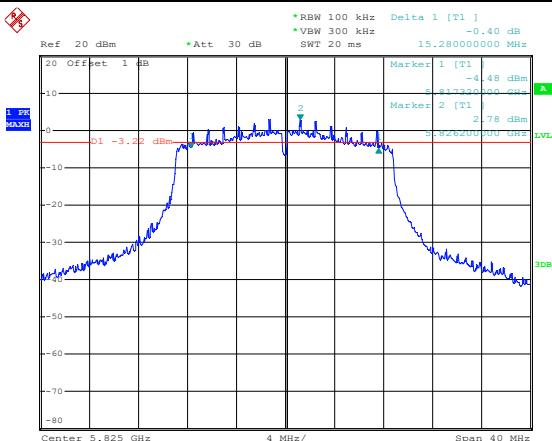
802.11n-HT40-High

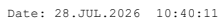


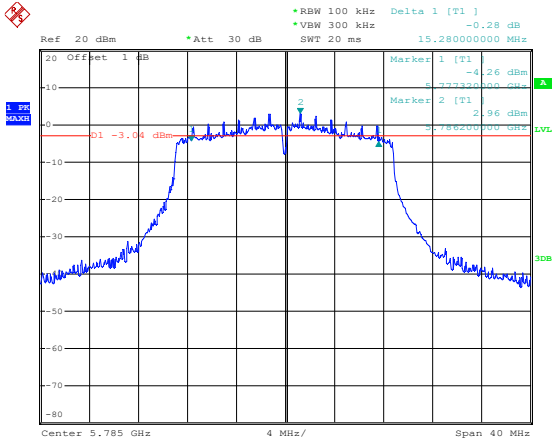
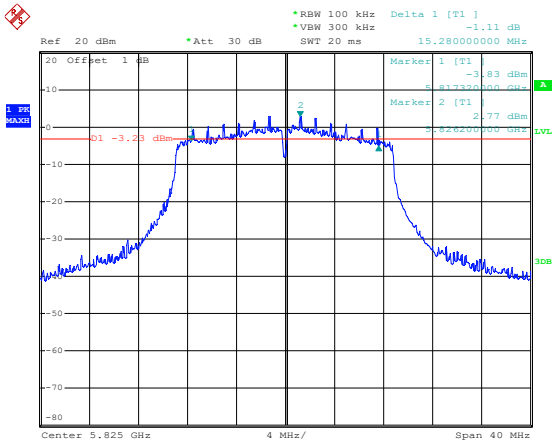
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802.11ac-VHT20-Middle	 Date: 28.JUL.2026 09:53:44
802.11ac-VHT20-High	 Date: 28.JUL.2026 09:53:04

6 dB Bandwidth
5725-5850MHz

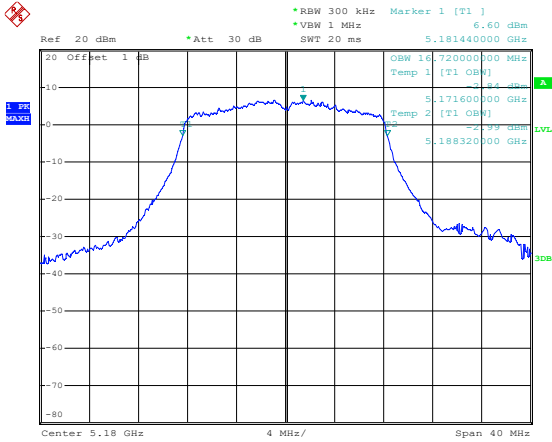
802.11a-Low	 Date: 28.JUL.2026 10:22:43
802.11a-Middle	 Date: 28.JUL.2026 10:21:12
802.11a-High	 Date: 28.JUL.2026 10:15:05

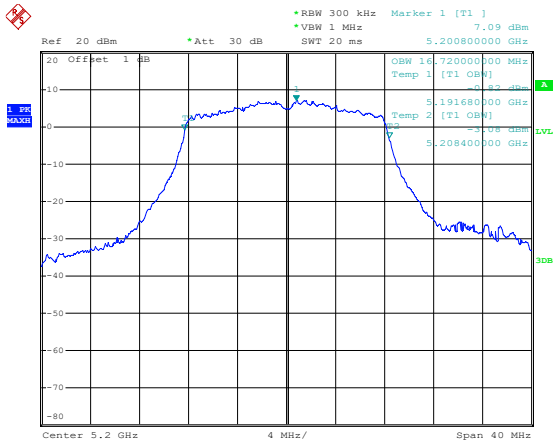
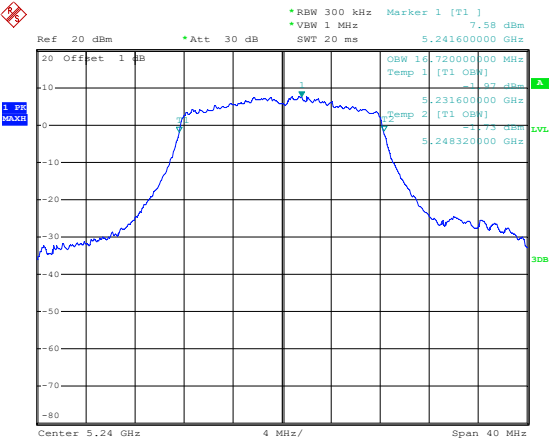
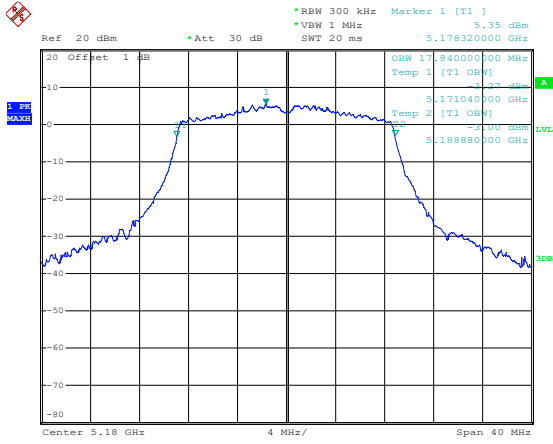
802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] -0.16 dB VBW 300 kHz SWT 20 ms 15.360000000 MHz Marker 1 [T1] -4.31 dBm Marker 2 [T1] -3.18 dBm Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:24:09
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] -0.28 dB VBW 300 kHz SWT 20 ms 15.360000000 MHz Marker 1 [T1] -4.23 dBm Marker 2 [T1] -3.12 dBm Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:26:03
802.11n-HT20-High	 Ref 20 dBm *Att 30 dB RBW 100 kHz Delta 1 [T1] -0.40 dB VBW 300 kHz SWT 20 ms 15.280000000 MHz Marker 1 [T1] -4.48 dBm Marker 2 [T1] -3.22 dBm Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:30:36

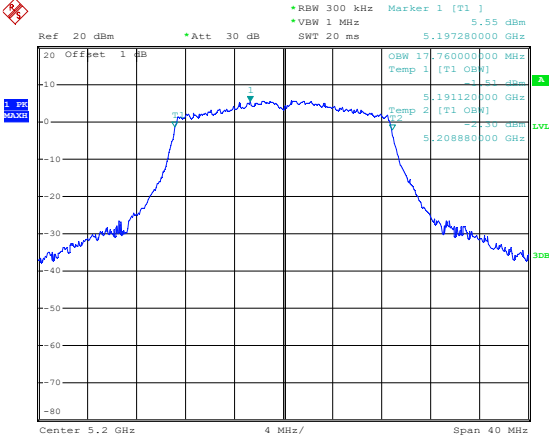
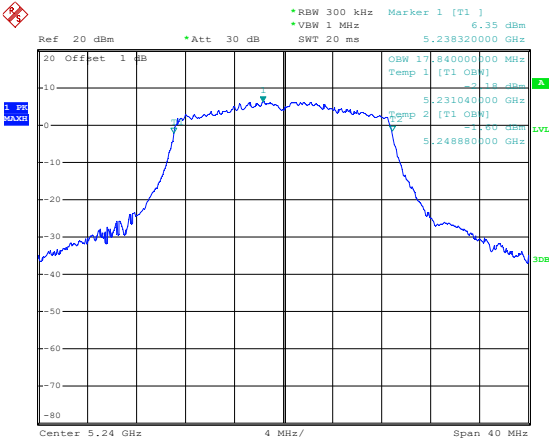
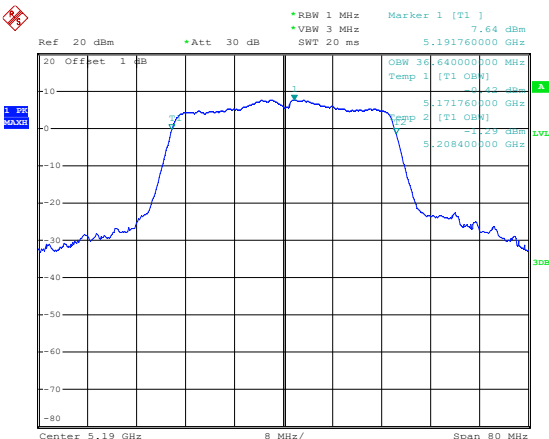


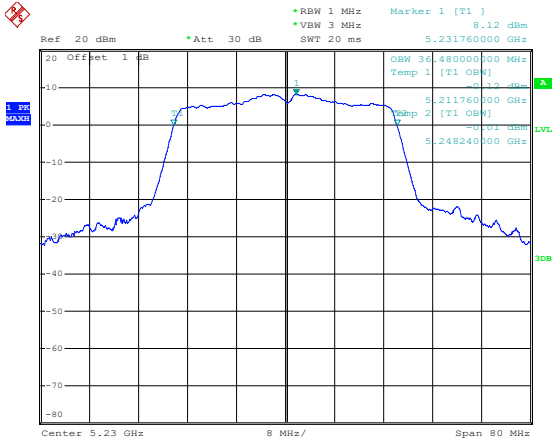
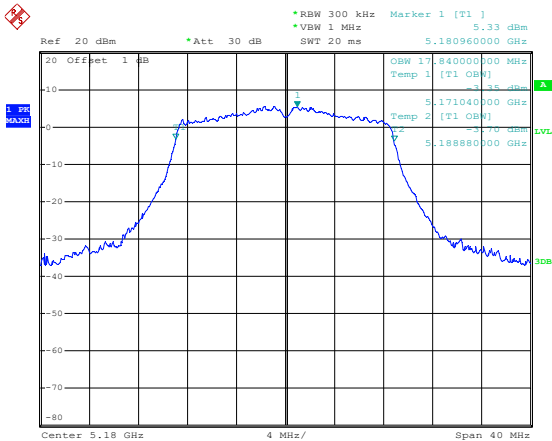
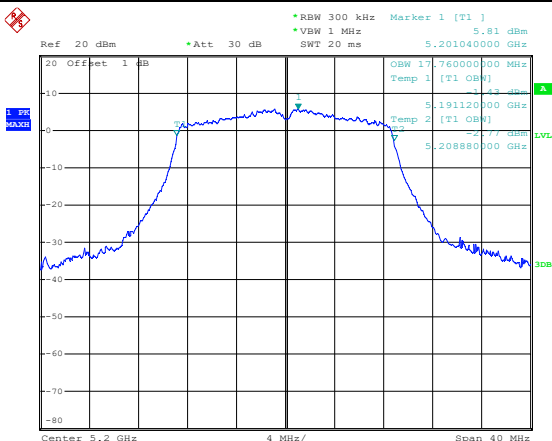
802.11ac-VHT20-Middle	 Date: 28.JUL.2026 10:35:00
802.11ac-VHT20-High	 Date: 28.JUL.2026 10:33:26

99% Bandwidth
5150-5250MHz

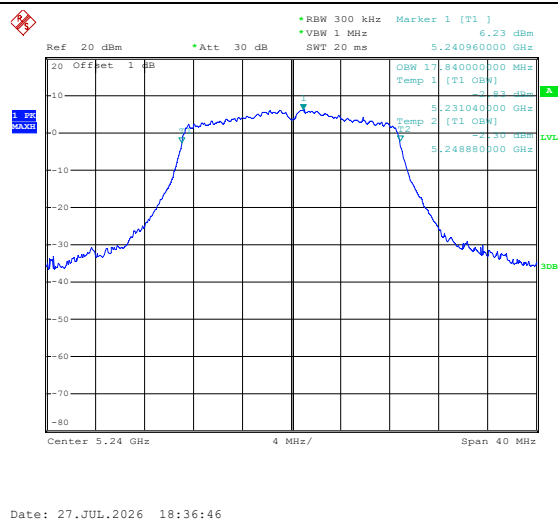
802.11a-Low	 Date: 27.JUL.2026 18:31:03
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802.11a-Middle	 Ref 20 dBm *Att 30 dB RBW 300 kHz VBW 1 MHz Marker 1 [T1] 5.200800000 GHz OSW 16.720000000 MHz Temp 1 [T1] 7.09 dBm 5.191680000 GHz Temp 2 [T1] 5.208400000 GHz Center 5.2 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:30:25
802.11a-High	 Ref 20 dBm *Att 30 dB RBW 300 kHz VBW 1 MHz Marker 1 [T1] 5.241600000 GHz OSW 16.720000000 MHz Temp 1 [T1] 7.58 dBm 5.231600000 GHz Temp 2 [T1] 5.248320000 GHz Center 5.24 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:29:36
802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB RBW 300 kHz VBW 1 MHz Marker 1 [T1] 5.178320000 GHz OSW 17.840000000 MHz Temp 1 [T1] 5.35 dBm 5.171040000 GHz Temp 2 [T1] 5.188880000 GHz Center 5.18 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 18:31:44

802.11n-HT20-Middle	 Date: 27.JUL.2026 18:32:24
802.11n-HT20-High	 Date: 27.JUL.2026 18:33:59
802.11n-HT40-Low	 Date: 27.JUL.2026 18:38:47

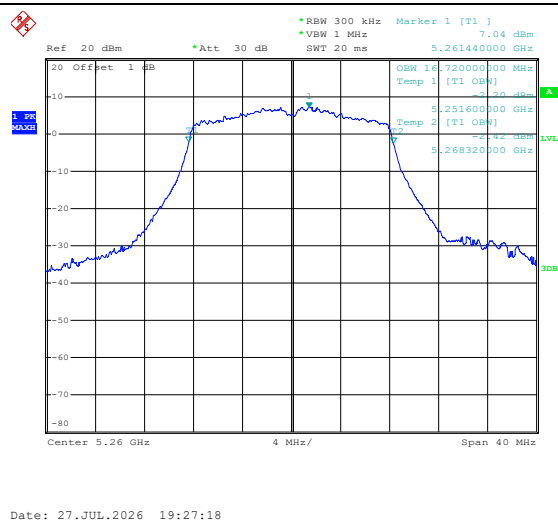
802.11n-HT40-High	 Date: 27.JUL.2026 18:39:35
802.11ac-VHT20-Low	 Date: 27.JUL.2026 18:38:02
802.11ac-VHT20-Middle	 Date: 27.JUL.2026 18:37:29

802.11ac-VHT20-High

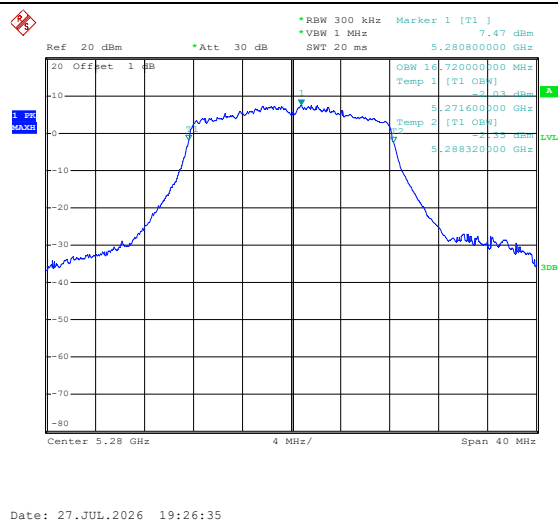


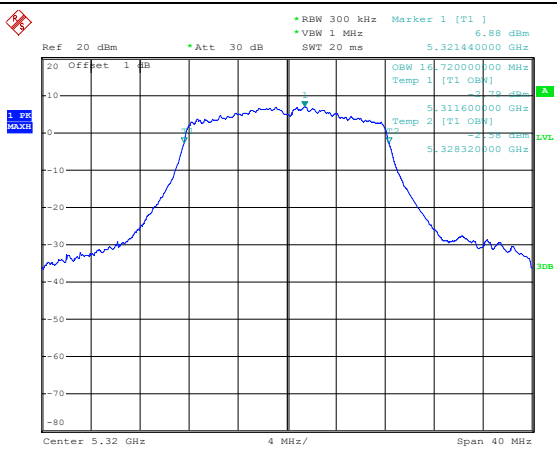
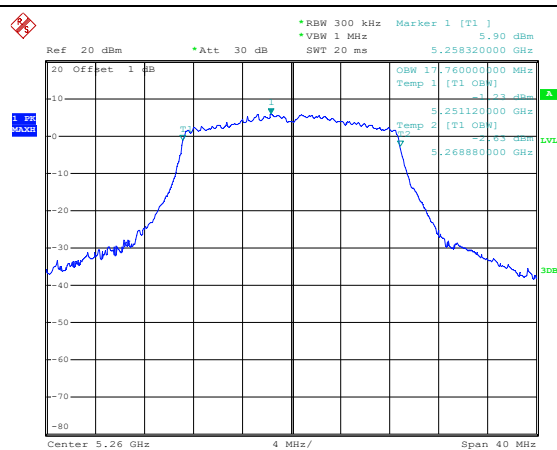
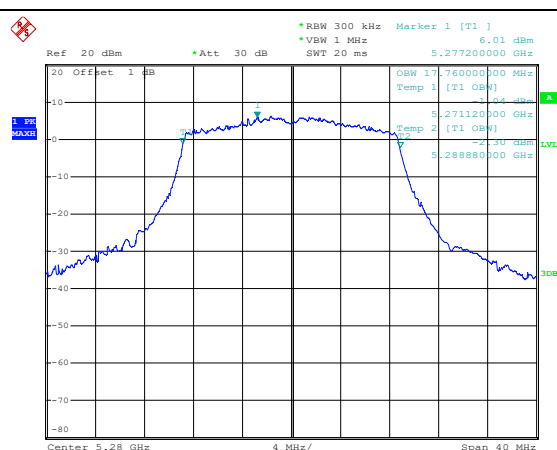
99% dB Bandwidth
5250-5350MHz

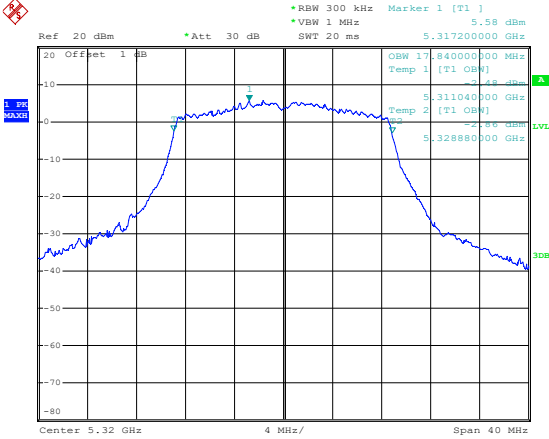
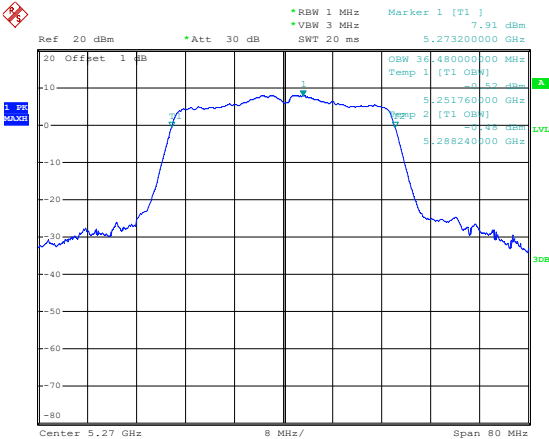
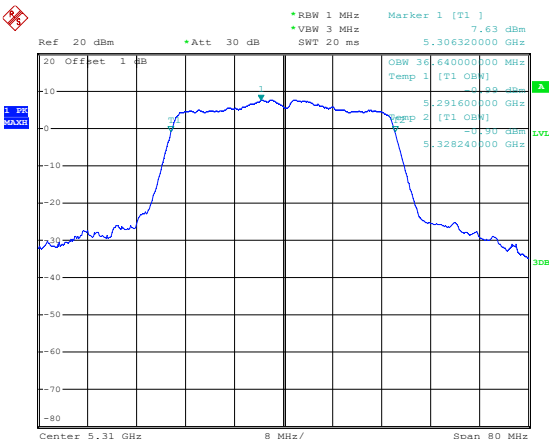
802.11a-Low



802.11a-Middle



802.11a-High	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.321440000 GHz Marker 1 [T1] 5.321440000 GHz 6.88 dBm Temp 1 [T1] 5.321440000 GHz -2.58 dBm Temp 2 [T1] 5.321440000 GHz -2.58 dBm Center 5.32 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 19:25:51
802.11n-HT20-Low	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.258320000 GHz Marker 1 [T1] 5.258320000 GHz 5.90 dBm Temp 1 [T1] 5.258320000 GHz -1.23 dBm Temp 2 [T1] 5.258320000 GHz -1.23 dBm Center 5.26 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 19:28:06
802.11n-HT20-Middle	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.277200000 GHz Marker 1 [T1] 5.277200000 GHz 6.01 dBm Temp 1 [T1] 5.277200000 GHz -1.04 dBm Temp 2 [T1] 5.277200000 GHz -1.04 dBm Center 5.28 GHz 4 MHz/ Span 40 MHz Date: 27.JUL.2026 19:28:51

802.11n-HT20-High	 Date: 27.JUL.2026 19:29:35
802.11n-HT40-Low	 Date: 27.JUL.2026 19:32:40
802.11n-HT40-High	 Date: 27.JUL.2026 19:33:34

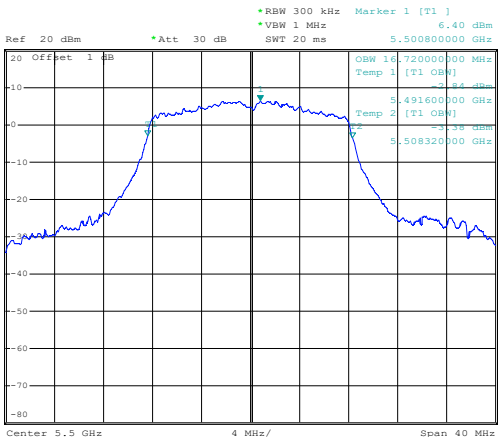
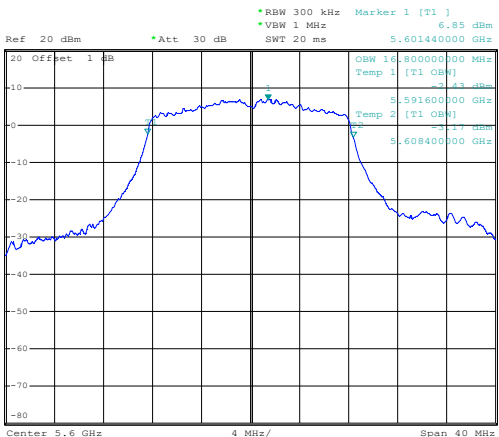
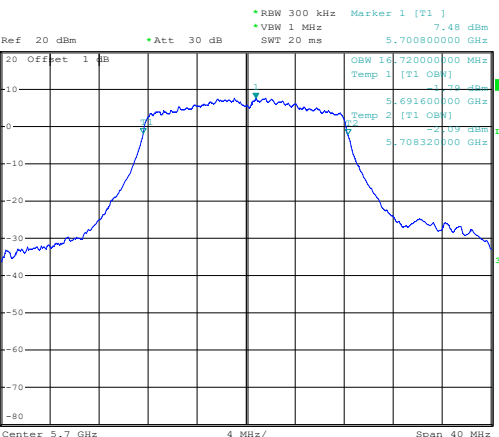
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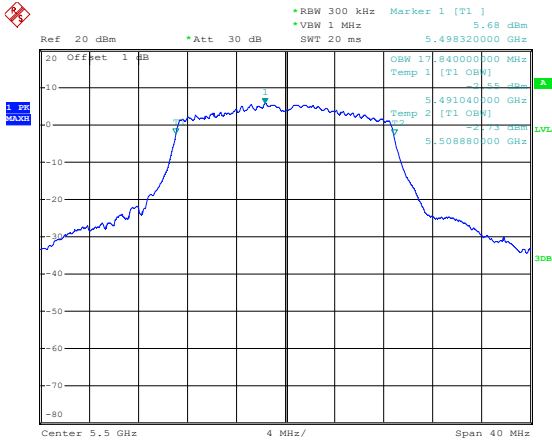
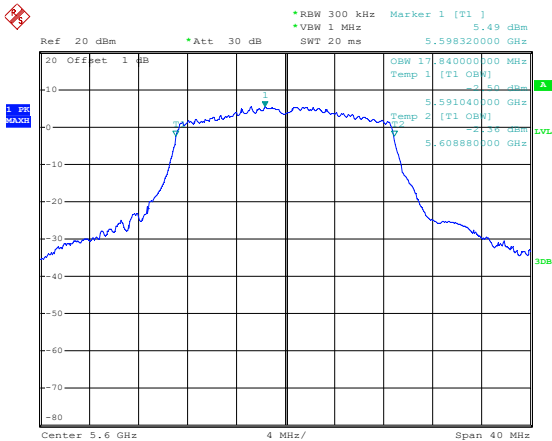
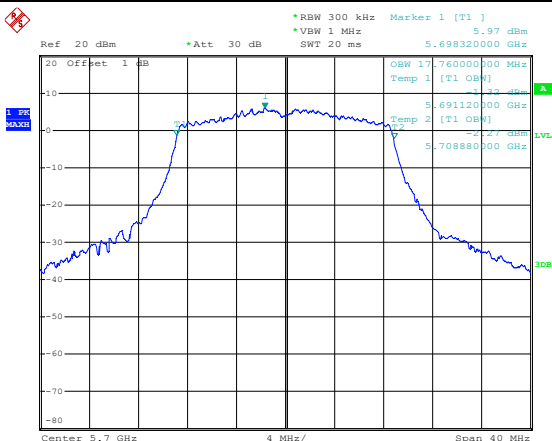
99%dB Bandwidth

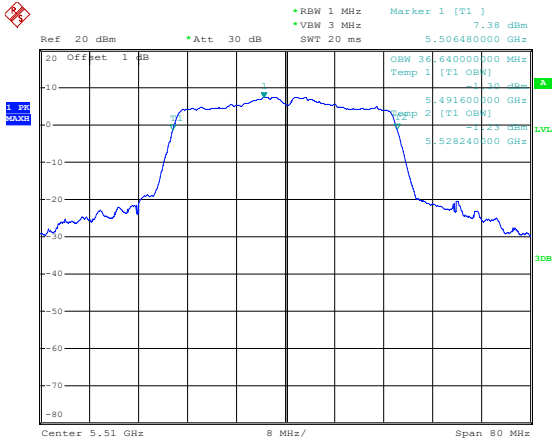
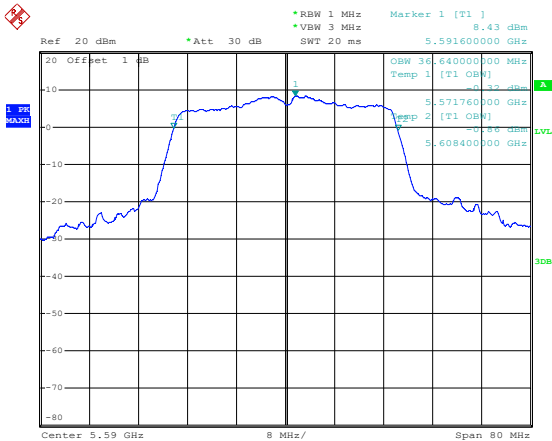
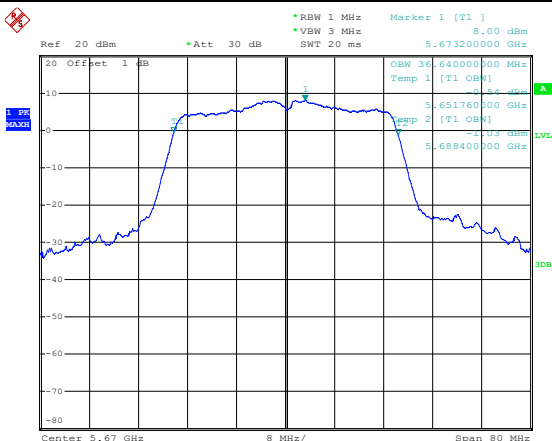
5470-5725MHz

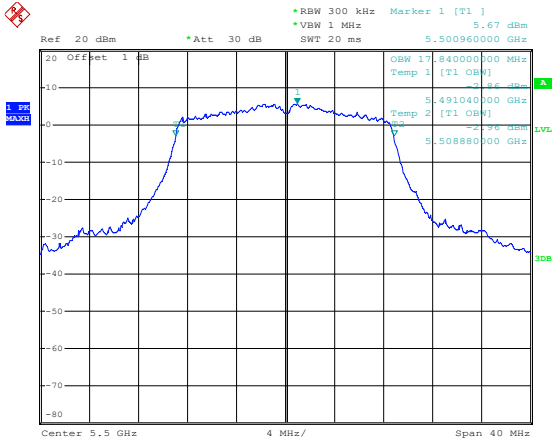
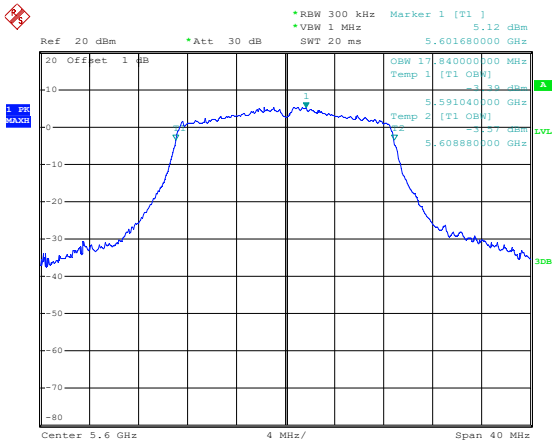
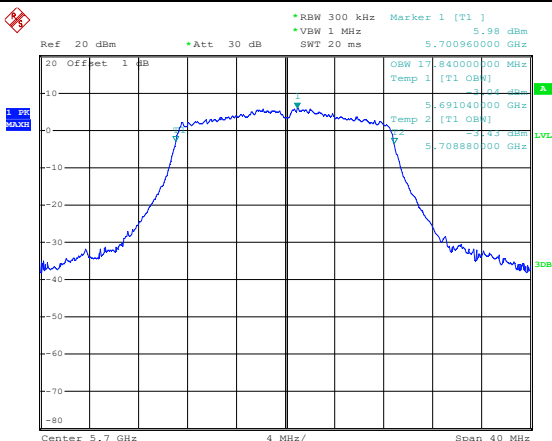
Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)

802.11a-Low	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] 6.40 dBm *VBW 1 MHz SWT 20 ms 5.500800000 GHz Offset 1 dB OBW 16.720000000 MHz Temp 1 [T1 OBW] -2.84 dBm 5.491600000 GHz Temp 2 [T1 OBW] -23.38 dBm 5.508320000 GHz Center 5.5 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:46:55
802.11a-Middle	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] 6.85 dBm *VBW 1 MHz SWT 20 ms 5.601440000 GHz Offset 1 dB OBW 16.800000000 MHz Temp 1 [T1 OBW] -2.43 dBm 5.591600000 GHz Temp 2 [T1 OBW] -23.17 dBm 5.608400000 GHz Center 5.6 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:45:46
802.11a-High	 Ref 20 dBm *Att 30 dB *RBW 300 kHz Marker 1 [T1] 7.48 dBm *VBW 1 MHz SWT 20 ms 5.700800000 GHz Offset 1 dB OBW 16.720000000 MHz Temp 1 [T1 OBW] -1.29 dBm 5.691600000 GHz Temp 2 [T1 OBW] -23.09 dBm 5.708320000 GHz Center 5.7 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 09:40:42

802.11n-HT20-Low	 Date: 28.JUL.2026 09:49:51
802.11n-HT20-Middle	 Date: 28.JUL.2026 09:51:09
802.11n-HT20-High	 Date: 28.JUL.2026 09:52:00

802.11n-HT40-Low	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.506480000 GHz Marker 1 [T1] 7.38 dBm OSW 36.64000000 MHz Temp 1 [T1 OBW] -11.30 dBm 5.491600000 GHz Temp 2 [T1 OBW] -11.23 dBm 5.528240000 GHz Center 5.51 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:55:16
802.11n-HT40-Middle	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.591600000 GHz Marker 1 [T1] 8.43 dBm OSW 36.64000000 MHz Temp 1 [T1 OBW] -10.32 dBm 5.571760000 GHz Temp 2 [T1 OBW] -10.26 dBm 5.608400000 GHz Center 5.59 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:56:07
802.11n-HT40-High	 Ref 20 dBm *Att 30 dB SWT 20 ms 5.673200000 GHz Marker 1 [T1] 8.00 dBm OSW 36.64000000 MHz Temp 1 [T1 OBW] -10.54 dBm 5.651760000 GHz Temp 2 [T1 OBW] -11.15 dBm 5.688400000 GHz Center 5.67 GHz 8 MHz/ Span 80 MHz Date: 28.JUL.2026 09:57:05

802.11ac-VHT20-Low	 Date: 28.JUL.2026 09:54:25
802.11ac-VHT20-Middle	 Date: 28.JUL.2026 09:53:30
802.11ac-VHT20-High	 Date: 28.JUL.2026 09:52:49

99% dB Bandwidth

5725-5850MHz

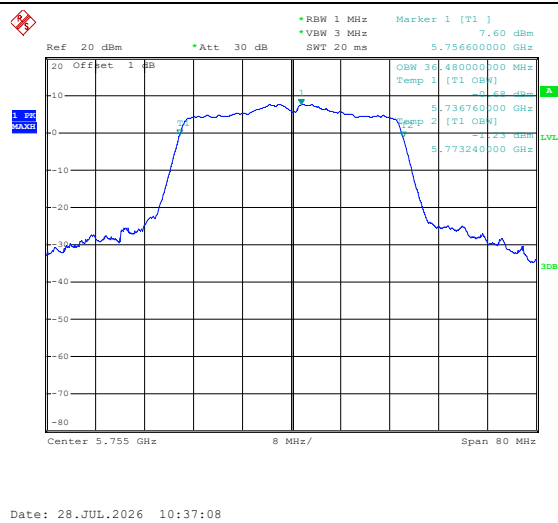
Waltek Testing Group (Shenzhen) Co., Ltd.

Http://www.waltek.com.cn

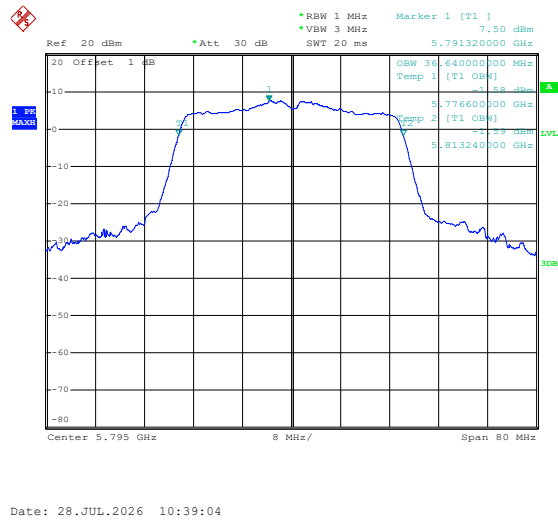
802.11a-Low	Ref 20 dBm *Att 30 dB SWT 20 ms Marker 1 [T1] 6.83 dBm *RBW 300 kHz *VBW 1 MHz OSW 16.720000000 MHz Temp 1 [T1 OBW] -2.42 dBm 5.736600000 GHz Temp 2 [T1 OBW] -22.89 dBm 5.753320000 GHz Center 5.745 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:21:51
802.11a-Middle	Ref 20 dBm *Att 30 dB SWT 20 ms Marker 1 [T1] 6.88 dBm *RBW 300 kHz *VBW 1 MHz OSW 16.720000000 MHz Temp 1 [T1 OBW] -2.36 dBm 5.776600000 GHz Temp 2 [T1 OBW] -22.93 dBm 5.793320000 GHz Center 5.785 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:15:46
802.11a-High	Ref 20 dBm *Att 30 dB SWT 20 ms Marker 1 [T1] 6.87 dBm *RBW 300 kHz *VBW 1 MHz OSW 16.720000000 MHz Temp 1 [T1 OBW] -2.06 dBm 5.816600000 GHz Temp 2 [T1 OBW] -22.93 dBm 5.833320000 GHz Center 5.825 GHz 4 MHz/ Span 40 MHz Date: 28.JUL.2026 10:11:49

802.11n-HT20-Low	Date: 28.JUL.2026 10:23:15
802.11n-HT20-Middle	Date: 28.JUL.2026 10:24:57
802.11n-HT20-High	Date: 28.JUL.2026 10:26:49

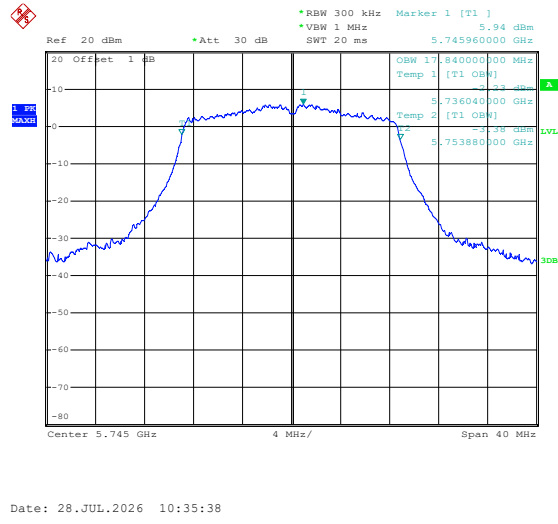
802.11n-HT40-Low

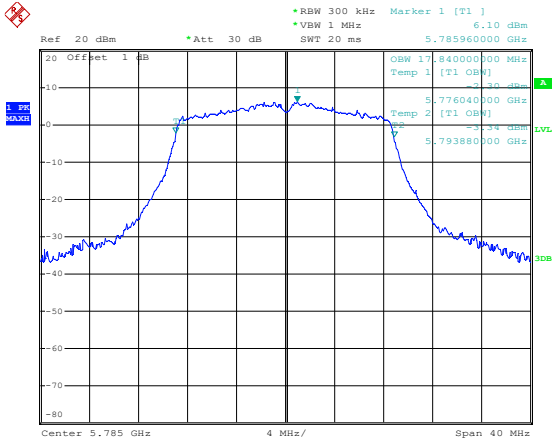
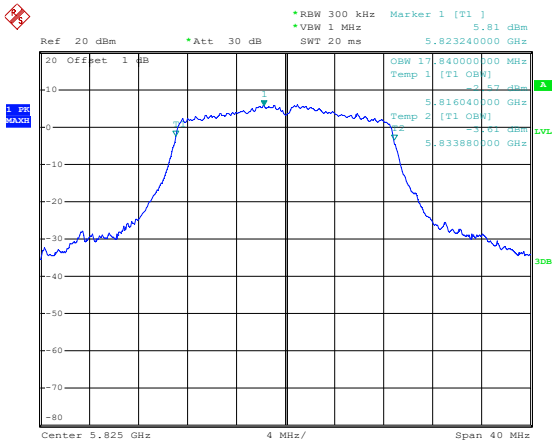


802.11n-HT40-High



802.11ac-VHT20-Low



802.11ac-VHT20-Middle	 Date: 28.JUL.2026 10:34:02
802.11ac-VHT20-High	 Date: 28.JUL.2026 10:32:03

APPENDIX C

Maximum Conducted Output Power

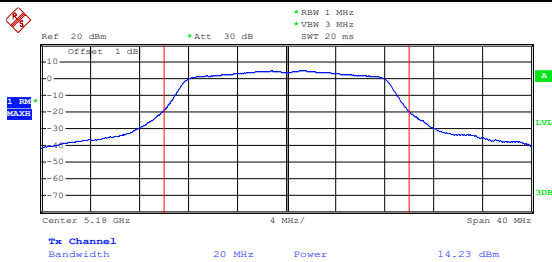
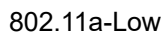
U-NII-1:5150-5250MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5180	14.23	23.98
	5200	14.49	23.98
	5240	14.85	23.98
802.11n-HT20	5180	13.18	23.98
	5200	13.56	23.98
	5240	13.96	23.98
802.11n-HT40	5190	12.45	23.98
	5230	13.03	23.98
802.11ac VHT20	5180	13.23	23.98
	5200	13.59	23.98
	5240	14.00	23.98

U-NII-2A: 5250-5350MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5260	14.44	23.98
	5280	14.71	23.98
	5320	14.17	23.98
802.11n-HT20	5260	13.52	23.98
	5280	13.81	23.98
	5320	13.22	23.98
802.11n-HT40	5270	12.71	23.98
	5310	12.49	23.98
802.11ac VHT20	5260	13.58	23.98
	5280	13.85	23.98
	5320	13.19	23.98

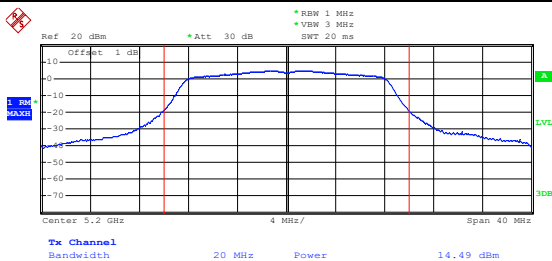
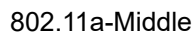
U-NII-2C: 5470-5725MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5500	14.07	23.98
	5600	14.43	23.98
	5700	14.84	23.98
802.11n-HT20	5500	13.18	23.98
	5600	13.22	23.98
	5700	13.82	23.98
802.11n-HT40	5510	12.39	23.98
	5590	12.69	23.98
	5670	12.70	23.98
802.11ac VHT20	5500	13.16	23.98
	5600	13.17	23.98
	5700	13.79	23.98

U-NII-3: 5725-5850MHz			
Test mode	Frequency MHz	Output Power dBm	Limit dBm
802.11a	5745	14.06	30.00
	5785	14.20	30.00
	5825	14.12	30.00
802.11n-HT20	5745	13.81	30.00
	5785	13.76	30.00
	5825	13.51	30.00
802.11n-HT40	5755	12.42	30.00
	5795	12.27	30.00
802.11ac VHT20	5745	13.75	30.00
	5785	13.78	30.00
	5825	13.53	30.00

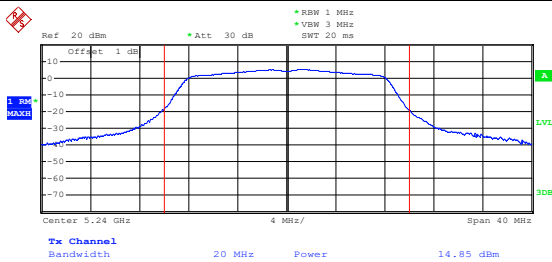
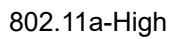
5150-5250MHz



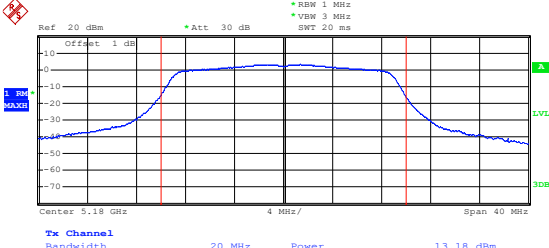
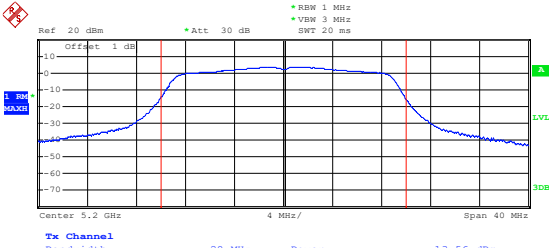
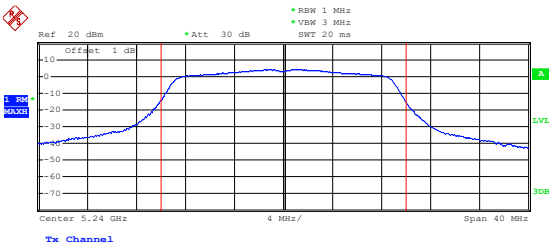
Date: 27.JUL.2026 18:17:11



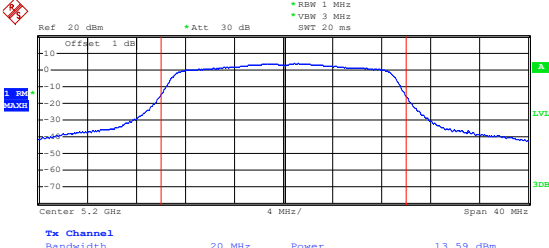
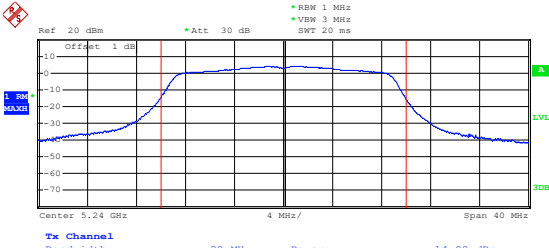
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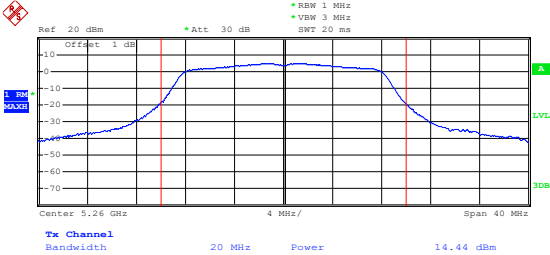
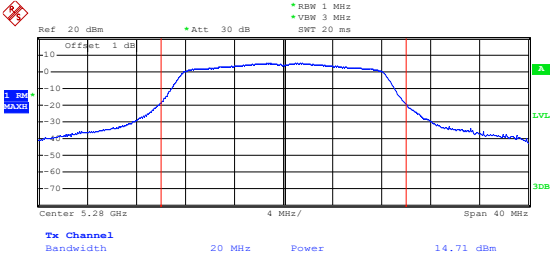
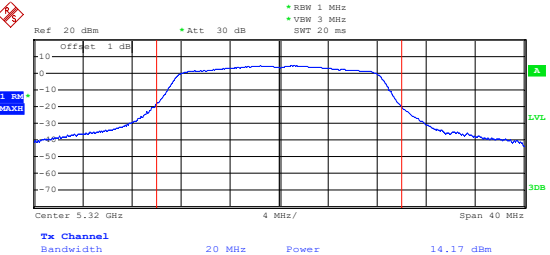
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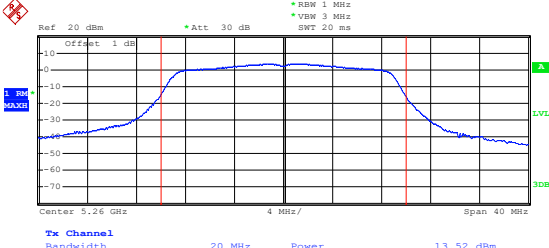
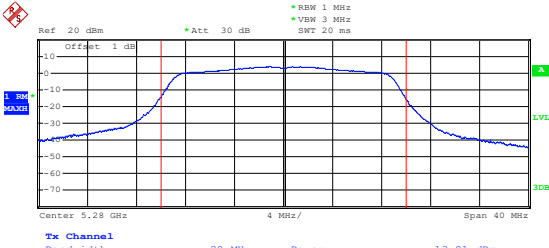
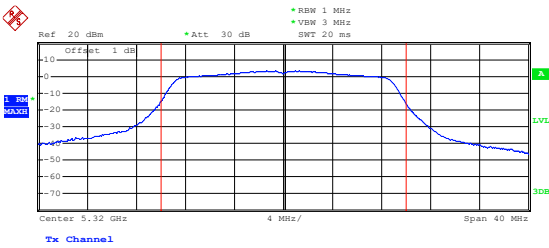
802.11n-HT20-Low	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.18 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.18 dBm Date: 27.JUL.2026 18:19:53
802.11n-HT20-Middle	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.2 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.56 dBm Date: 27.JUL.2026 18:20:14
802.11n-HT20-High	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.24 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.96 dBm Date: 27.JUL.2026 18:20:38

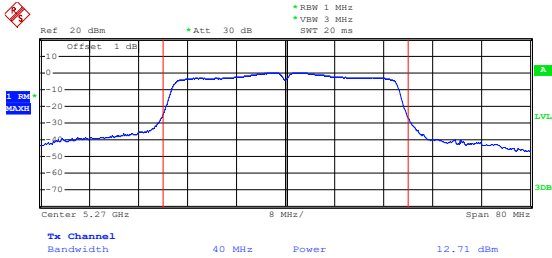
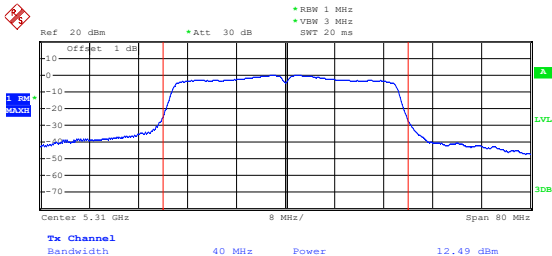
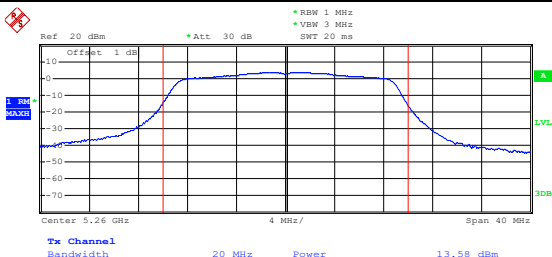
802.11n-HT40-Low	Date: 27.JUL.2026 18:23:35
802.11n-HT40-High	Date: 27.JUL.2026 18:23:55
802.11ac-VHT20-Low	Date: 27.JUL.2026 18:21:33

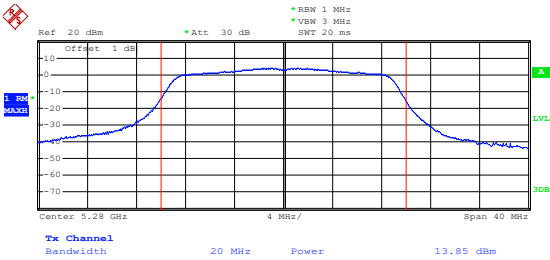
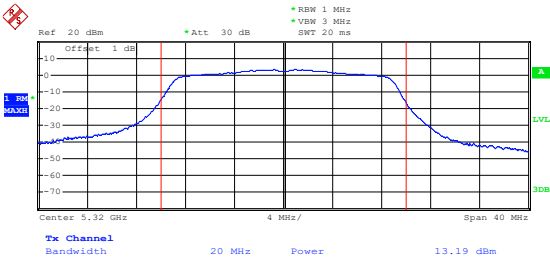
802.11ac-VHT20-Middle	 Date: 27.JUL.2026 18:21:53
802.11ac-VHT20-High	 Date: 27.JUL.2026 18:22:11

5250-5350MHz

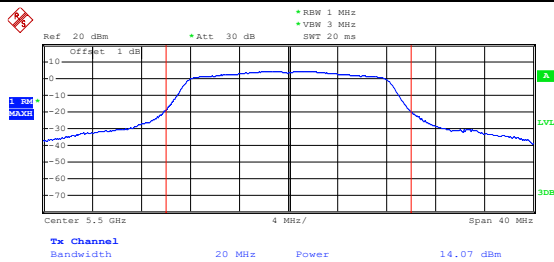
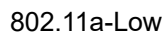
802.11a-Low	 Date: 27.JUL.2026 19:16:06
802.11a-Middle	 Date: 27.JUL.2026 19:16:27
802.11a-High	 Date: 27.JUL.2026 19:16:52

802.11n-HT20-Low	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.26 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.52 dBm Date: 27.JUL.2026 19:18:59
802.11n-HT20-Middle	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.28 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.81 dBm Date: 27.JUL.2026 19:18:42
802.11n-HT20-High	 Ref 20 dBm Offset 1 dB Att 30 dB RBW 1 MHz VBW 3 MHz SWT 20 ms Center 5.32 GHz 4 MHz/ Span 40 MHz Tx Channel Bandwidth 20 MHz Power 13.22 dBm Date: 27.JUL.2026 19:18:26

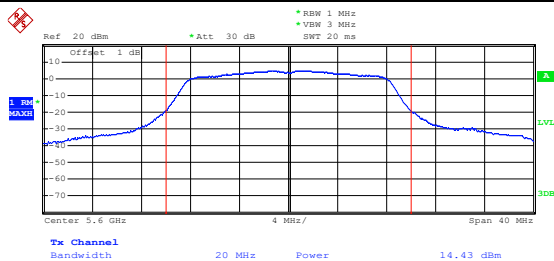
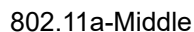
802.11n-HT40-Low	 Date: 27.JUL.2026 19:20:48
802.11n-HT40-High	 Date: 27.JUL.2026 19:21:22
802.11ac-VHT20-Low	 Date: 27.JUL.2026 19:19:17

802.11ac-VHT20-Middle	 Date: 27.JUL.2026 19:19:35
802.11ac-VHT20-High	 Date: 27.JUL.2026 19:19:54

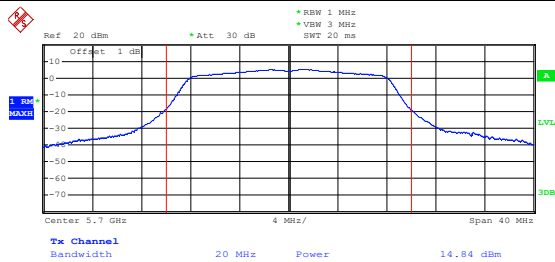
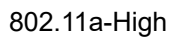
5470-5725MHz



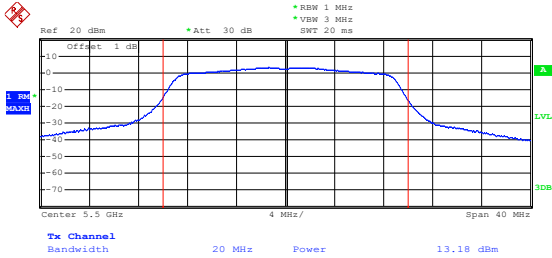
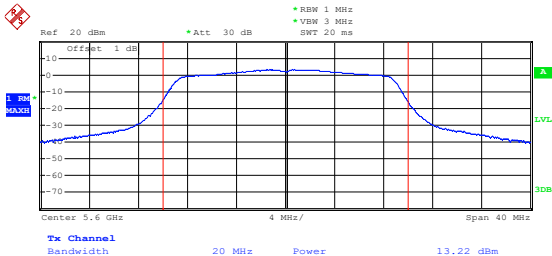
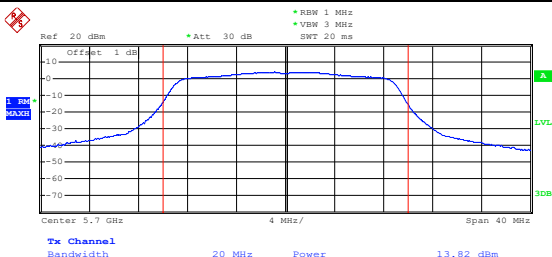
Date: 28.JUL.2026 09:18:37

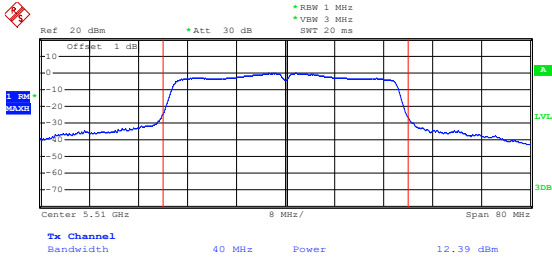
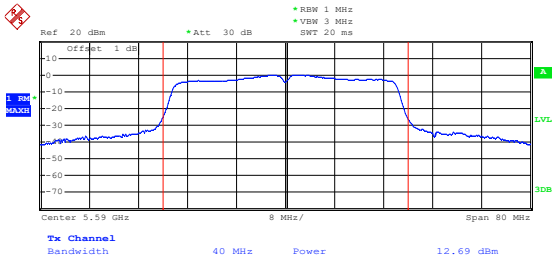
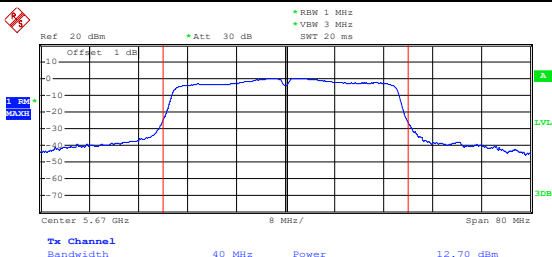


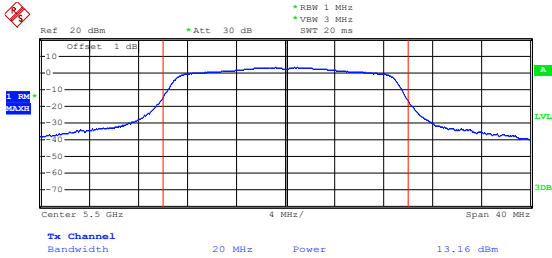
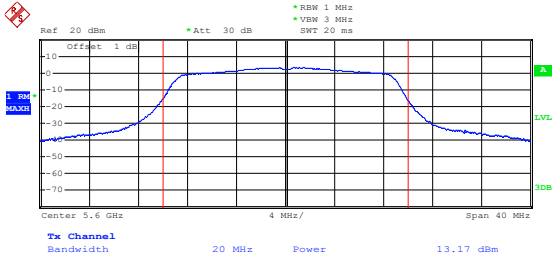
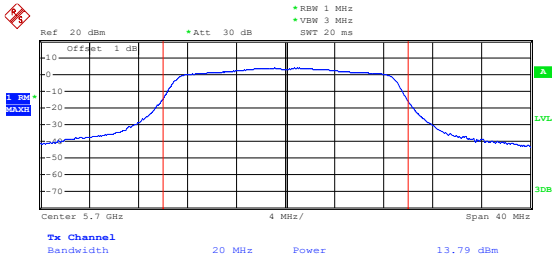
Date: 28.JUL.2026 09:19:19



Date: 28.JUL.2026 09:20:38

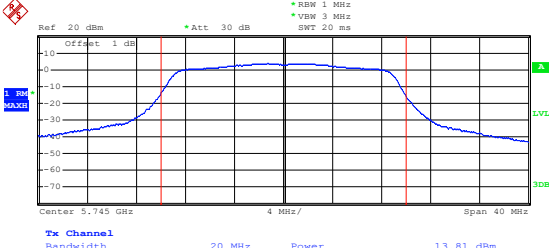
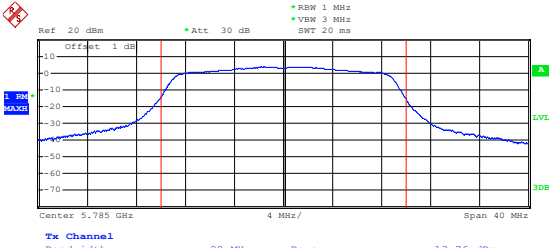
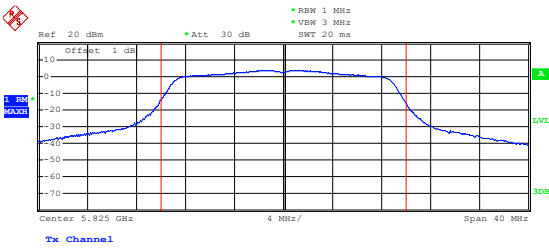
802.11n-HT20-Low	 Date: 28.JUL.2026 09:23:37
802.11n-HT20-Middle	 Date: 28.JUL.2026 09:22:43
802.11n-HT20-High	 Date: 28.JUL.2026 09:21:32

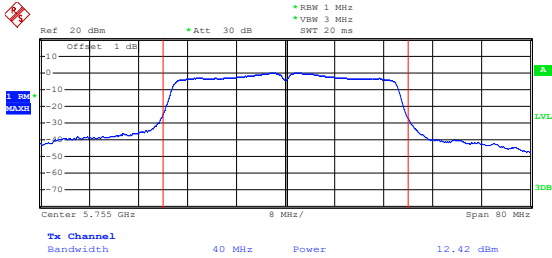
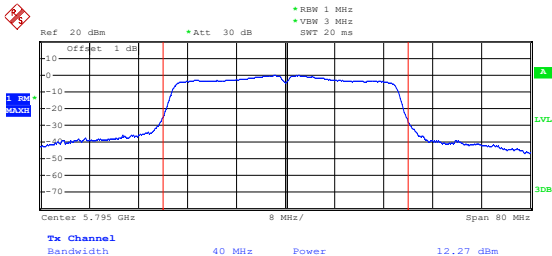
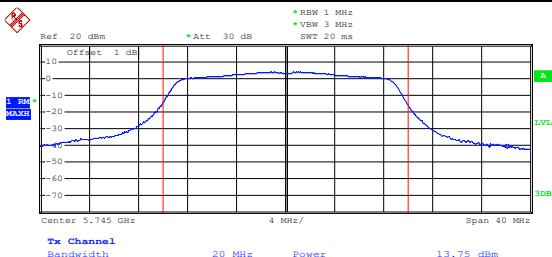
802.11n-HT40-Low	 Date: 28.JUL.2026 09:28:14
802.11n-HT40-Middle	 Date: 28.JUL.2026 09:28:36
802.11n-HT40-High	 Date: 28.JUL.2026 09:29:24

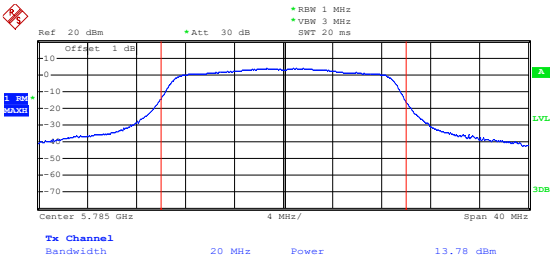
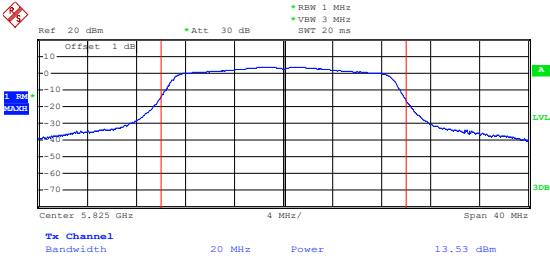
802.11ac-VHT20-Low	 Date: 28.JUL.2026 09:24:08
802.11ac-VHT20-Middle	 Date: 28.JUL.2026 09:24:35
802.11ac-VHT20-High	 Date: 28.JUL.2026 09:25:14

5725-5850MHz

802.11a-Low	Date: 28.JUL.2026 09:59:29
802.11a-Middle	Date: 28.JUL.2026 10:00:39
802.11a-High	Date: 28.JUL.2026 10:01:07

802.11n-HT20-Low	 Date: 28.JUL.2026 10:03:32
802.11n-HT20-Middle	 Date: 28.JUL.2026 10:02:50
802.11n-HT20-High	 Date: 28.JUL.2026 10:02:16

802.11n-HT40-Low	 Date: 28.JUL.2026 10:05:23
802.11n-HT40-High	 Date: 28.JUL.2026 10:05:57
802.11ac-VHT20-Low	 Date: 28.JUL.2026 10:03:49

802.11ac-VHT20-Middle	 Date: 28.JUL.2026 10:04:09
802.11ac-VHT20-High	 Date: 28.JUL.2026 10:04:29

APPENDIX D

Frequency Stability

U-NII-1:5150-5250MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	5.0	-30	496	0.095
100%		-20	500	0.096
100%		-10	505	0.097
100%		0	497	0.096
100%		+10	499	0.096
100%		+20	504	0.097
100%		+30	499	0.096
100%		+40	504	0.097
100%		+50	499	0.096
Low Battery power	5.50	+20	504	0.097
High Battery power	4.50	+20	499	0.096

U-NII-1: 5250-5350MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	5.0	-30	503	0.095
100%		-20	504	0.096
100%		-10	502	0.095
100%		0	502	0.095
100%		+10	495	0.094
100%		+20	496	0.094
100%		+30	499	0.095
100%		+40	503	0.095
100%		+50	502	0.095
Low Battery power	5.50	+20	495	0.094
High Battery power	4.50	+20	505	0.096

U-NII-1: 5470-5725MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	5.0	-30	499	0.089
100%		-20	498	0.089
100%		-10	496	0.088
100%		0	499	0.089
100%		+10	498	0.089
100%		+20	498	0.089
100%		+30	505	0.090
100%		+40	501	0.090
100%		+50	495	0.088
Low Battery power	5.50	+20	502	0.090
High Battery power	4.50	+20	497	0.089

U-NII-1:5725-5850MHz worst case at 802.11a middle channel				
Voltage(%)	Power(VDC)	TEMP(°C)	Freq.Dev(Hz)	Deviation
100%	5.0	-30	496	0.086
100%		-20	503	0.087
100%		-10	505	0.087
100%		0	500	0.086
100%		+10	502	0.087
100%		+20	502	0.087
100%		+30	504	0.087
100%		+40	503	0.087
100%		+50	499	0.086
Low Battery power	5.50	+20	505	0.087
High Battery power	4.50	+20	496	0.086

APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

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