



Regulatory Test Report

Prepared for u-blox AG

This report presents detailed information on

NORA-W3 series

Prepared by

Aravind Buddana

Engineer II

Approved by

Jason Kanakry

General Manager

Issue date: 05/16/2024

Report No: J23220-TR2 v1.3

This test result relates only to the described test object.

This document shall not be reproduced, except in full, without the written approval of Bureau Veritas Test Lab.

Customer must not use this test report as the product certification of each accreditation body or each national organization.

The test is traceable to national standard or related international standard

Contents

1. TEST REQUEST INFORMATION3

2. TEST LABORATORY INFORMATION4

3. STATEMENT OF CONFORMITY5

4. CONDUCTED TESTING6

5. RADIATED TESTING35

1. TEST REQUEST INFORMATION

Test Request #:	24660
Test Requested By:	Bob Recny u-blox AG, Zürcherstrasse 68, Thalwil, 8800, Switzerland
Test item Description:	NORA-W3 series stand-alone dual-band Wi-Fi and Bluetooth modules
Part Number:	NORA-W300, NORA-W301, NORA-W306, NORA-W360, NORA-W361, NORA-W366
DUT Sample Number:	J23220-W300#1 J23220-W301#2 J23220-W306#1
Hardware Version of DUT:	Rev 03
Software Version of DUT:	MP v2.5 or newer (Test Mode) u-connectXpress v0.28.0d-281 or newer (Normal Operation)
Component Category of DUT:	N/A
FCC ID:	XPYNORAW3
ISED ID:	8595A-NORAW3
Type of Test:	FCC/ISED Certification
Test Method:	CFR Title 47 FCC Part 15.407, ISED Canada RSS-247 Issue 3, ISED Canada RSS-Gen Issue 5, FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and ANSI C63.10-2013
Deviations from standard:	None
Approved Test Plan Number:	N/A
Test Plan Revision:	N/A
Date Test Sample Received:	10-02-2023
Date Test Started:	10-11-2023
Date Test Finished:	01-26-2024

2. TEST LABORATORY INFORMATION

Location of Test Lab:	The radiated and conducted emissions test sites are located at Bureau Veritas 815 N. Opdyke Rd #100, Auburn Hills, MI 48326, Phone: +1-248-836-4700
Key Contact:	Jason Kanakry (General Manager) Jason.Kanakry@BureauVeritas.com Phone: +1-248-836-4747
Laboratory Accreditations:	BUREAU VERITAS CONSUMER PRODUCTS SERVICES, INC is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.
ISO/IEC 17025:2017:	5678.01
FCC Test Site Number:	US1278 (242530)
IC Test Site Number:	US0229 (26240)

3. STATEMENT OF CONFORMITY

RSS-GEN	RSS 247	Part 15	Comments
6.4		15.15(b)	There are no controls accessible to the user that varies the output power to operate in violation of the regulatory requirements.
		15.19	The label shown in the label exhibit.
		15.21	Information to the user shown in the instruction manual exhibit.
		15.27	No special accessories are required for compliance.
3.2		15.31	The EUT tested in accordance with the measurement standards in this section.
6.13.2		15.33	Frequency range investigated according to this section, unless noted in specific rule section under which the equipment operates.
6.13.1		15.35	The EUT emissions measured using the measurement detector and bandwidth specified in this section, unless noted in specific rule section under which the equipment operates.
6.8		15.203	EUT employs. 5.3dBi (Abracon AFG4507W2S) 3.2dBi (Taolgas GW.59) Integrated PCB antenna with 2.4dBi 4.7dBi (TE ANT-DB1-RAF-RPS) 4.6dBi (Pulse ANTX100P001B24553)
8.10		15.205 15.209	The fundamental is not in a Restricted band and the spurious and harmonic emissions in the Restricted bands comply with the general emission limits of 15.209 or RSS-Gen as applicable
8.8		15.207	N/A. EUT is vehicle battery powered only.

4. CONDUCTED TESTING

4.1 Test Summary

This test report supports an application for certification of a transmitter operating pursuant to:

CFR Title 47 FCC Part 15.407, ISED Canada RSS-247 Issue 3, ISED Canada RSS-Gen Issue 5, FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and ANSI C63.10-2013

The products are **NORA-W300, NORA-W301, NORA-W306, NORA-W360, NORA-W361, NORA-W366** transmitters that operate in UNII-1 (5.15GHz – 5.25GHz) and UNII-3 (5.725GHz – 5.85GHz)

Details	Description
Frequency Range (MHz)	UNII-1 (5.15GHz – 5.25GHz) UNII-3 (5.725GHz – 5.85GHz)
Tested Modes	802.11a 802.11n(HT20, HT40)
Tested Channels	UNII-1 (36, 40, 44, 48, 38, 46) UNII-3 (149, 157, 165, 151, 159)
Number of transmit chains	1
Equipment Type	Unlicensed National Information Infrastructure Device
DUT/EUT Operation	EUT is configured/programmed by an External Test Laptop with Serial Commation interface to set WLAN Test Mode, data rates, channels, bandwidth, band configurations etc., using NORA-W3 Series Test Controller program.

Test samples received in good condition, we found that the product met the above requirements with modification.

DUT Antenna	Brand	Model	Type	Gain
				☒ Provided by Customer with Gain Report ☐ Not Provided by Customer
1	YAGEO	ANTX100P001B24553	Pulse	4.6dBi
2	TAOLGAS	GW.59	Dipole	3.2dBi
3	U-BLOX	NORA-W3x6 trace	Internal	2.4dBi
4	ABRACON	AFG4507W2S	Patch	5.3dBi
5	TE	ANT-DB1-RAF-RPS	Dipole	4.7dBi

Test Item	Sample #	Result
FCC 15.407 UNII-1	J23220 W300#1	Meets Requirements
FCC 15.407 UNII-3	J23220 W300#1	Meets Requirements

UNII-1 Test Results Summary

Test	Frequency (MHz)	802.11a	802.11n(HT20)
RF Output Power	5180/5200/5220/5240	PASS	PASS
Power Spectral Density	5180/5200/5220/5240	PASS	PASS
DTS Bandwidth (6dB)	5180/5200/5220/5240	PASS	PASS
Occupied Channel Bandwidth 99%	5180/5200/5220/5240	PASS	PASS
		802.11n(HT40)	
RF Output Power	5190/5230	PASS	
Power Spectral Density	5190/5230	PASS	
DTS Bandwidth (6dB)	5190/5230	PASS	
Occupied Channel Bandwidth 99%	5190/5230	PASS	

UNII-3 Test Results Summary

Test	Frequency (MHz)	802.11a	802.11n(HT20)
RF Output Power	5745/5765/5785/5805/5825	PASS	PASS
Power Spectral Density	5745/5765/5785/5805/5825	PASS	PASS
DTS Bandwidth (6dB)	5745/5765/5785/5805/5825	PASS	PASS
Occupied Channel Bandwidth 99%	5745/5765/5785/5805/5825	PASS	PASS
		802.11n(HT40)	
RF Output Power	5755/5795	PASS	
Power Spectral Density	5755/5795	PASS	
DTS Bandwidth (6dB)	5755/5795	PASS	
Occupied Channel Bandwidth 99%	5755/5795	PASS	

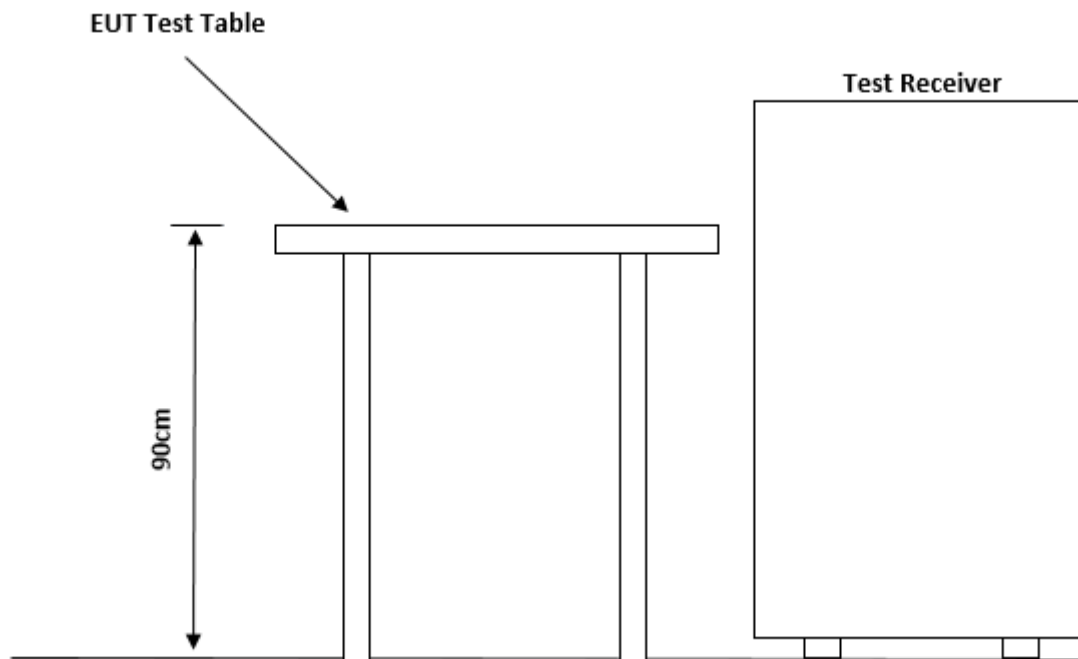
Notes:-

- W300 (J23220-W300#1) is used for conducted and radiated full testing as this has Antenna port on module.
- In addition, spot checks for radiated testing are performed on W301 (J23220-W301#2) and W306 (J23220-W306#1) which is further explained in Section 5 of this test report.

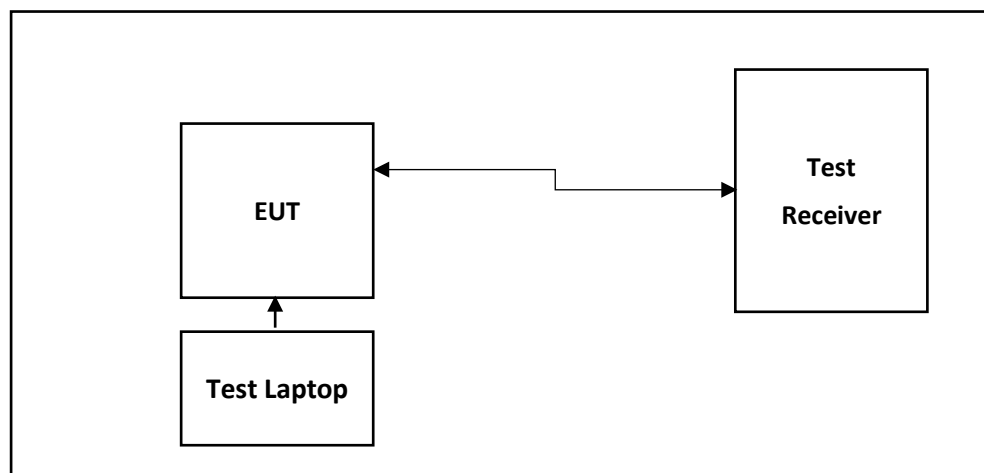
4.2 Test Setup

Conducted Test Site Description

Test site is accommodated with test tabletop and floor standing test equipment.



TEST SETUP DIAGRAM



4.3 Test Equipment Used

ID #	Equipment	Manufacturer	Model #	Serial #	Cal Due
BVD0226	Spectrum Analyzer 10Hz-44GHz	Rohde & Schwarz	FSV3044	101018	4/14/2024
BVD0227	8 port switch unit for Wireless Test system	Rohde & Schwarz	OSP150	101100	11/24/2025
BVD0228	8 port switch unit for Wireless Test system	Rohde & Schwarz	OSP220	101632	11/14/2025
BVD0224	Signal Generator 100kHz-40GHz	Rohde & Schwarz	SMB100A	181741	4/15/2024
BVD0225	Signal Generator 100k-6GHz with GPS simulator	Rohde & Schwarz	SMW200A	107664	4/15/2024
BVD0250	Wireless Connectivity Tester 70M-6GHz	Rohde & Schwarz	CMW270	102113	4/15/2024
BVD0321	Fixed Attenuator 2W 20dB -40GHz	Mini-Circuits	BW-K20-2W44+	2103	12/11/2024
BVD0430	Multimeter	Fluke	117	49710262SV	11/17/2024
BVD0229	Temp and Humidity Meter	Fluke	971	12001009	5/25/2024

Customer Supplied Equipment

ID #	Equipment	Manufacturer	Model	Serial #	Version No.
N/A	Test Laptop	Dell	E7250	B38BY52	N/A
N/A	NORA-W3 Series Test Controller	Ublox	N/A	N/A	1.7.0.1

Equipment List (Software)

ID #	Equipment	Manufacturer	Model	Version No	
N/A	EMC Test Software	Rodhe & Schwarz	EMC32	11.20.00	N/A

4.4 UNII-1

Mode	Channel	Frequency
802.11a 802.11n(HT20)	36	5180
802.11n(HT40)	38	5190
802.11a 802.11n(HT20)	40	5200
802.11a 802.11n(HT20)	44	5220
802.11n(HT40)	46	5230
802.11a 802.11n(HT20)	48	5240

Notes: Channels and modes above were tested.

FCC Default Power settings

802.11a		802.11n (HT20)		802.11n (HT40)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
36	16	36	16	38	14.5
40	17	40	16		
44	18	44	16	46	16
48	18	48	16		

4.4.1 RF output power and Duty Cycle

FCC

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013 (In Reference to KDB 789033 E.3.B)

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Combined Uncertainty of absolute Level Measurement (K=2) < 1 dB

Device has both client and access point modes and has identical RF characteristics and settings for both Limits are as follows:

15.407(a)(1)(i): 1W (30dBm) for outdoor access points with antenna gains less than 6dBi.

15.407(a)(1)(iv): 250mW (23.9dBm) for client devices with antenna gains less than 6dBi.

Since client devices are subject to more stringent limits, unit was tested against the limits for a client device.

802.11a

Data Rate	Gated RMS (dBm) 5180 MHz	Gated RMS (dBm) 5200 MHz	Gated RMS (dBm) 5220 MHz	Gated RMS (dBm) 5240 MHz	Limit (dBm)
6 Mbps	15.376	16.841	17.242	17.268	23.9

802.11n (HT20)

Data Rate	Gated RMS (dBm) 5180 MHz	Gated RMS (dBm) 5200 MHz	Gated RMS (dBm) 5220 MHz	Gated RMS (dBm) 5240 MHz	Limit (dBm)
MCS0	15.225	15.759	15.199	15.141	23.9

802.11n (HT40)

Data Rate	Gated RMS (dBm) 5190 MHz	Gated RMS (dBm) 5230 MHz	Limit (dBm)
MCS0	15.564	15.115	23.9

RSS-247

Per RSS-247 Issue 2 Section 6.2.1.1, limit for OEM devices installed in vehicles: Maximum EIRP shall not exceed 30mW or $1.76+10*\log B$, dBm, whichever is less (where B is 99% OBW in MHz). In addition, devices must be capable of reducing power by a least 3dB below the maximum permitted EIRP of 30mW, which is 11.77dBm.

For modulations with less than 20MHz 99% OBW; 802.11a, 802.11n (HT20) and 802.11ac (VHT20), worst case 99% OBW of 16.600MHz is assumed with resulting conservative limit of 13.96dBm. For modulations with more than 20MHz 99% OBW; 802.11n (HT40), 802.11ac (VHT40) and 802.11ac (VHT80), the limit is 30mW (14.77dBm)

RSS Default Power settings

802.11a		802.11n (HT20)		802.11n (HT40)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
36	13	36	13	38	16
40	13	40	13		
44	13	44	13	46	16
48	13	48	13		

802.11a

Data Rate	Gated RMS with TPC (dBm) 5180MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
6 Mbps	12.802	5.3	18.102	23.01
Data Rate	Gated RMS (dBm) 5200MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
6 Mbps	12.946	5.3	18.246	23.01
Data Rate	Gated RMS (dBm) 5220MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
6 Mbps	12.296	5.3	17.596	23.01
Data Rate	Gated RMS (dBm) 5240MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
6 Mbps	12.450	5.3	17.75	23.01

802.11n (HT20)

Data Rate	Gated RMS (dBm) 5180MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	12.424	5.3	17.724	23.01
Data Rate	Gated RMS (dBm) 5200MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	12.836	5.3	18.136	23.01
Data Rate	Gated RMS (dBm) 5220MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	12.248	5.3	17.548	23.01
Data Rate	Gated RMS (dBm) 5240MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	12.285	5.3	17.585	23.01

802.11n (HT40)

Data Rate	Gated RMS (dBm) 5190MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	15.238	5.3	20.538	23.01
Data Rate	Gated RMS (dBm) 5230MHz	Antenna Gain(dBi)	EIRP (dBm)	Limit (dBm)
MCS0	15.222	5.3	20.538	23.01

4.4.2 Power Spectral Density

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New

Rules v02r01 II.F with test method SA-1 and ANSI C63.10-2013.

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 1.3 dB

FCC

Device has both client and access point modes and has identical RF characteristics and settings for both Limits are as follows:

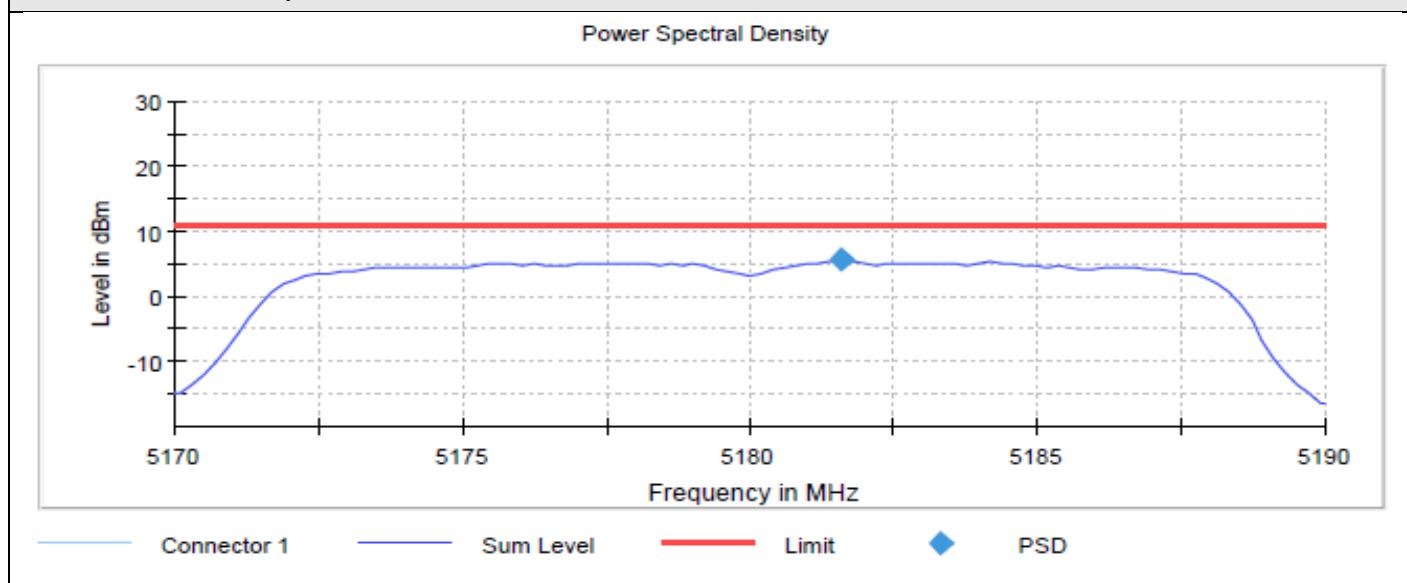
15.407(a)(1)(i): 17dBm for outdoor access points with antenna gains less than 6dBi.

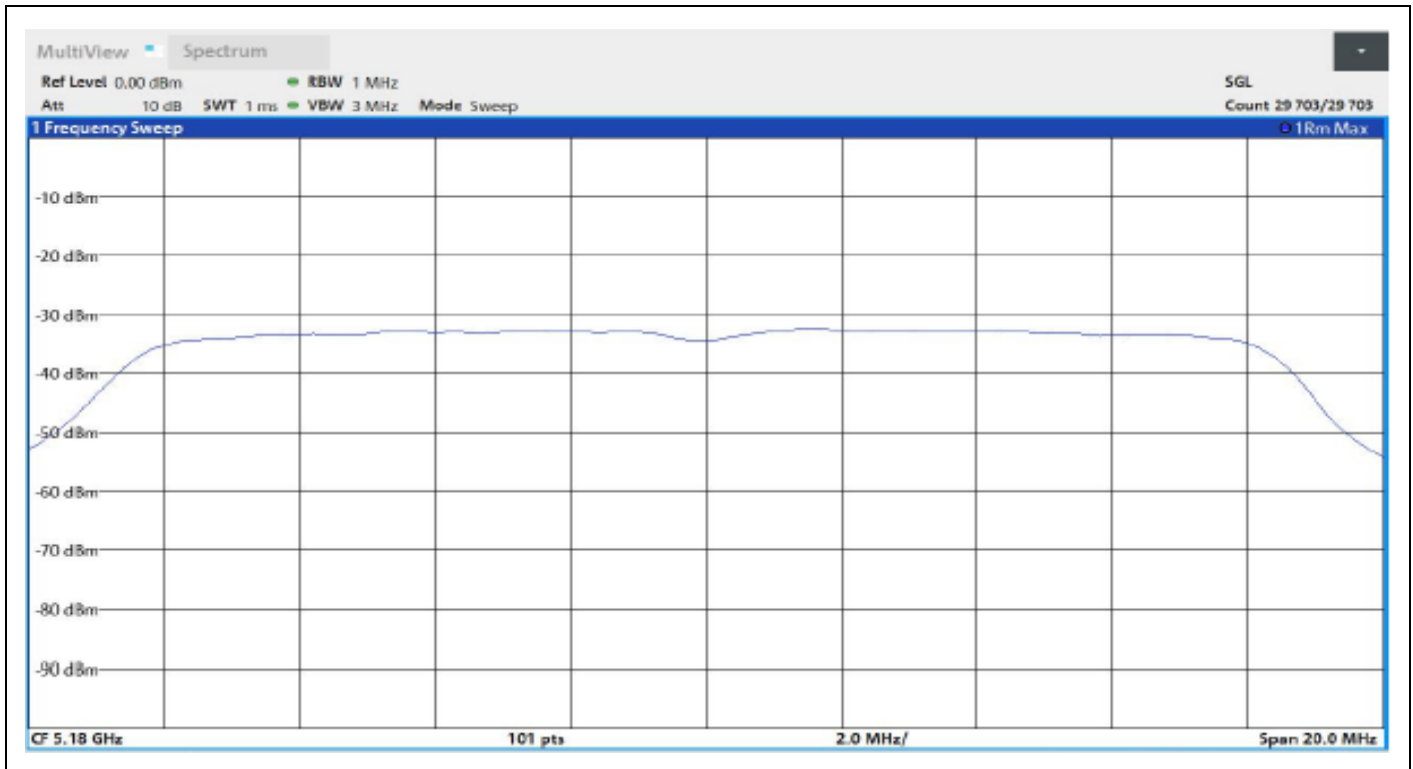
15.407(a)(1)(iv):11dBm for client devices with antenna gains less than 6dBi.

Since client devices are subject to more stringent limits, unit tested against the limits for a client device.

Mode	Data Rate	PSD (dBm) 5180 MHz	PSD (dBm) 5200 MHz	PSD (dBm) 5220 MHz	PSD (dBm) 5240 MHz	Limit (dBm)
802.11a	6Mbps	5.518	6.828	7.269	7.280	11.0

802.11a 5180 MHz 6Mbps

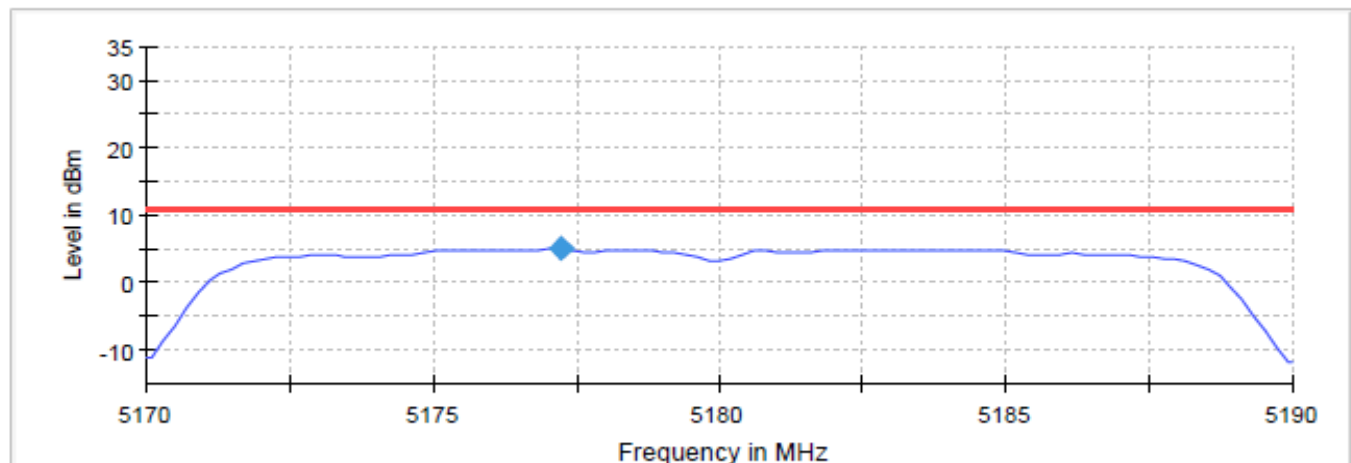




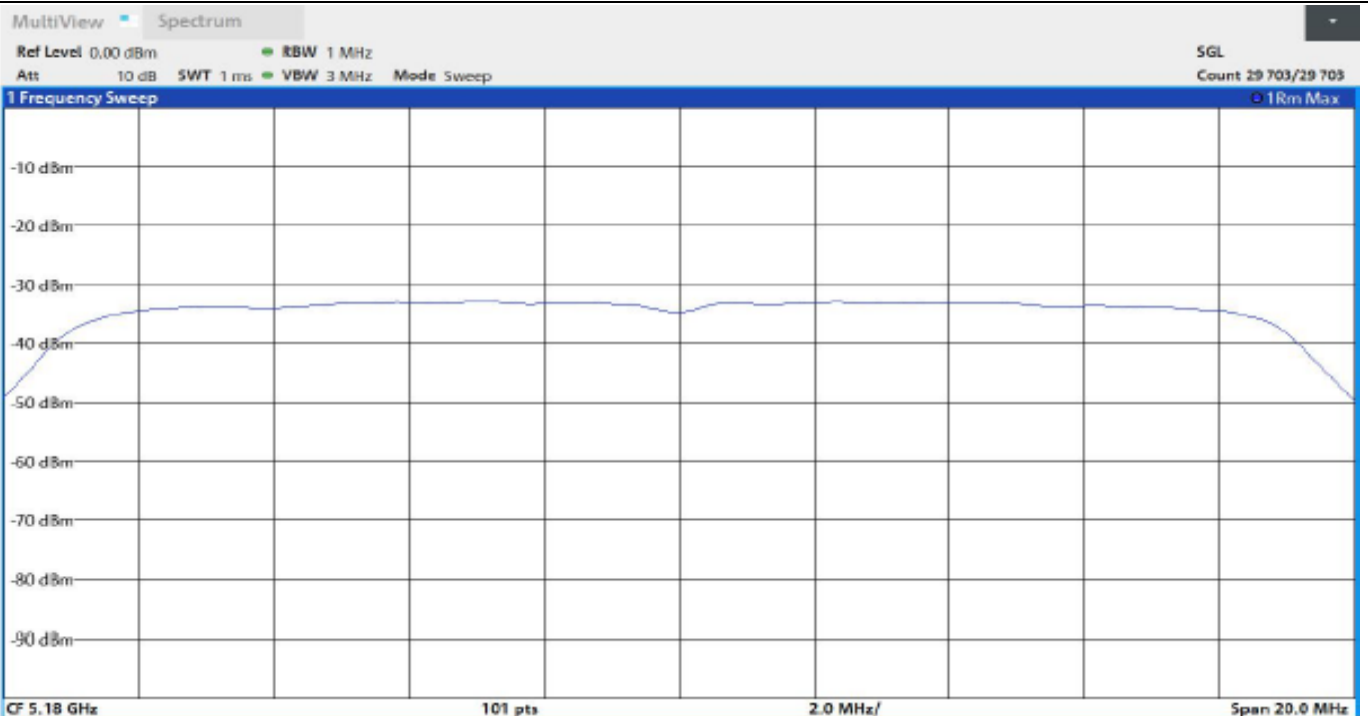
Mode	Data Rate	PSD (dBm) 5180 MHz	PSD (dBm) 5200 MHz	PSD (dBm) 5220 MHz	PSD (dBm) 5240 MHz	Limit (dBm)
802.11n (HT20)	MCS0	4.897	5.399	4.886	4.860	11.0

802.11n (HT20) 5180 MHz MCS0

Power Spectral Density



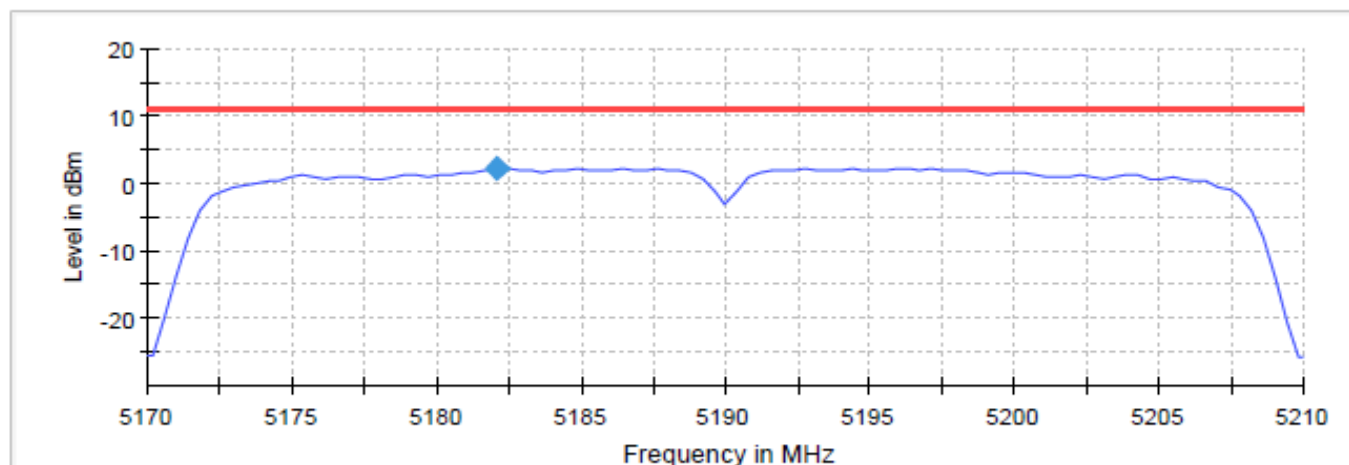
Connector 1 Sum Level Limit PSD



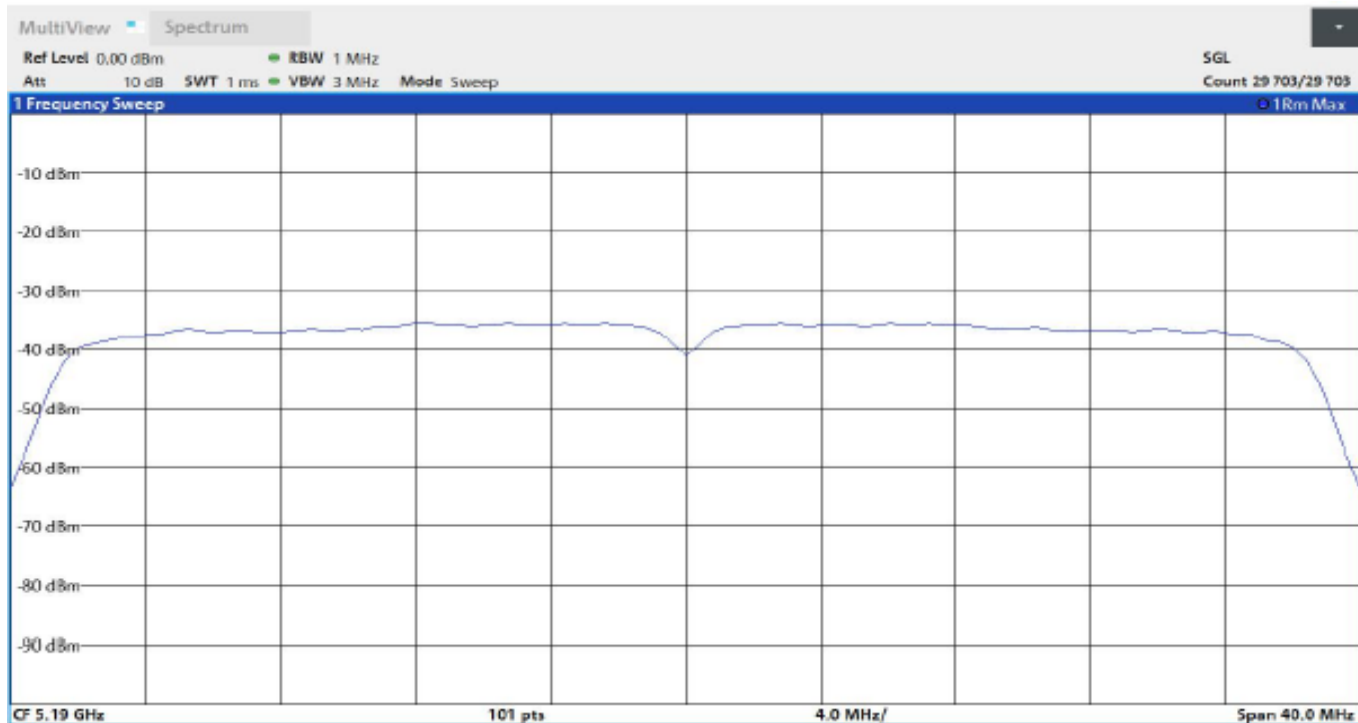
Mode	Data Rate	PSD (dBm) 5190 MHz	PSD (dBm) 5230 MHz	Limit (dBm)
802.11n (HT40)	MCS0	2.274	2.083	11.0

802.11n (HT40) 5190 MHz MCS0

Power Spectral Density



Connector 1 Sum Level Limit PSD



RSS-247

802.11a

Data Rate	PSD(dBm) 5180MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
6 Mbps	2.758	5.3	8.058	10.0
Data Rate	PSD(dBm) 5200MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
6 Mbps	2.873	5.3	8.173	10.0
Data Rate	PSD(dBm) 5220MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
6 Mbps	2.188	5.3	7.488	10.0
Data Rate	PSD(dBm) 5240MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
6 Mbps	2.249	5.3	7.549	10.0

802.11n (HT20)

Data Rate	PSD(dBm) 5180MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	1.839	5.3	7.139	10.0
Data Rate	PSD(dBm) 5200MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	2.400	5.3	7.7	10.0
Data Rate	PSD(dBm) 5220MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	1.836	5.3	7.136	10.0
Data Rate	PSD(dBm) 5240MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	1.757	5.3	7.057	10.0

802.11n (HT40)

Data Rate	PSD(dBm) 5190MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	2.248	5.3	7.548	10.0
Data Rate	PSD(dBm) 5230MHz	Antenna Gain (dBi)	EIRP PSD (dBm)	Limit (dBm)
MCS0	2.024	5.3	7.324	10.0

4.4.3 DTS Bandwidth 6dB

FCC and RSS-247

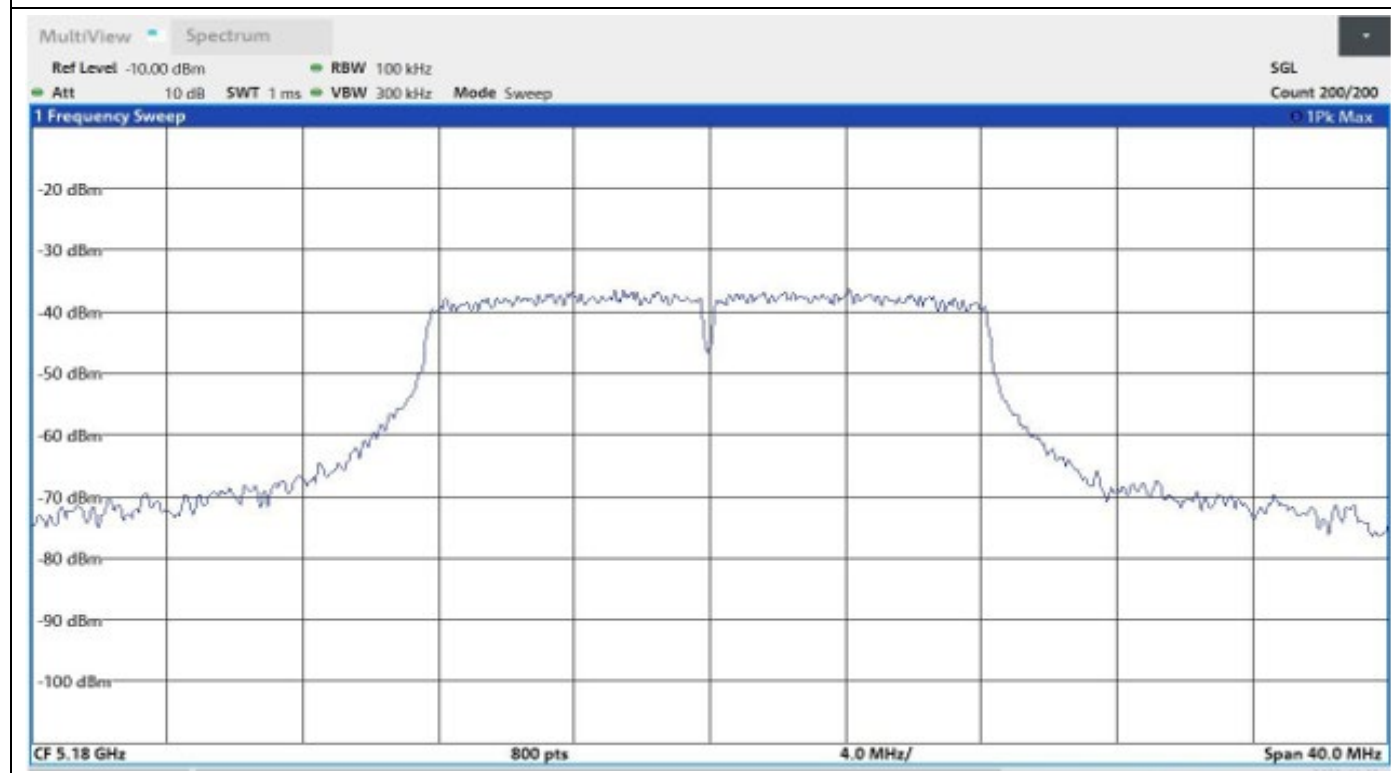
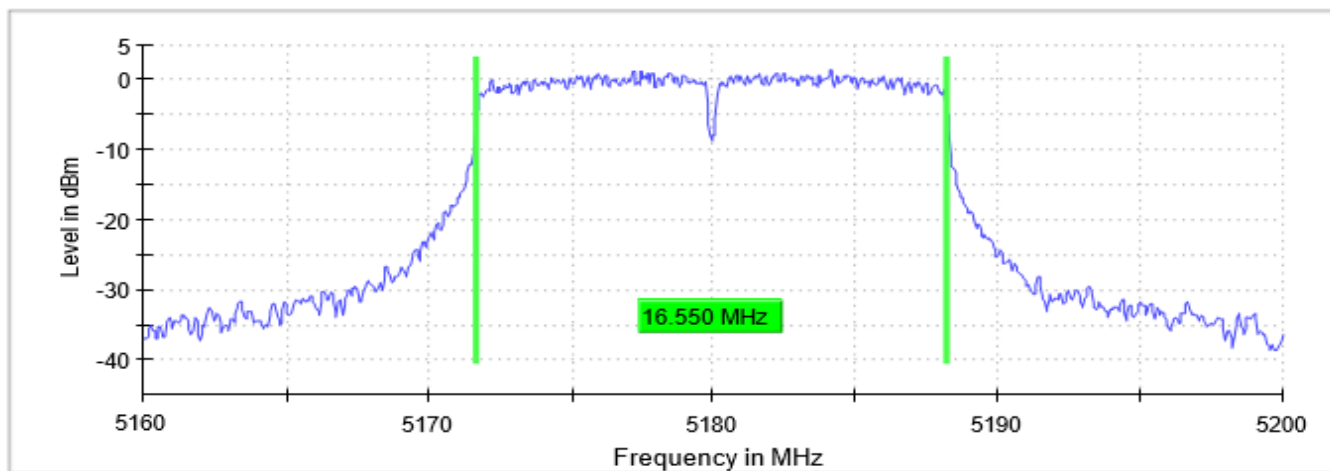
Test according to FCC title 47 part 15 §15.407(a) (e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 Section C.2 and ANSI C63.10-2013, ISERC RSS-247 6.2.4(1)

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
802.11a 6Mbps	5180.000000	16.550000	5171.625000	5188.175000
802.11n (HT20) MCS0	5180.000000	17.650000	5171.125000	5188.775000
802.11n (HT40) MCS0	5190.000000	36.400000	5171.775000	5208.175000
802.11a 6Mbps	5200.000000	16.500000	5191.675000	5208.175000
802.11n (HT20) MCS0	5200.000000	17.700000	5191.075000	5208.775000
802.11a 6Mbps	5220.000000	16.550000	5211.625000	5228.175000
802.11n (HT20) MCS0	5220.000000	17.700000	5211.075000	5228.775000
802.11n (HT40) MCS0	5230.000000	36.400000	5211.775000	5248.175000
802.11a 6Mbps	5240.000000	16.550000	5231.625000	5248.175000
802.11n (HT20) MCS0	5240.000000	17.700000	5231.075000	5248.775000

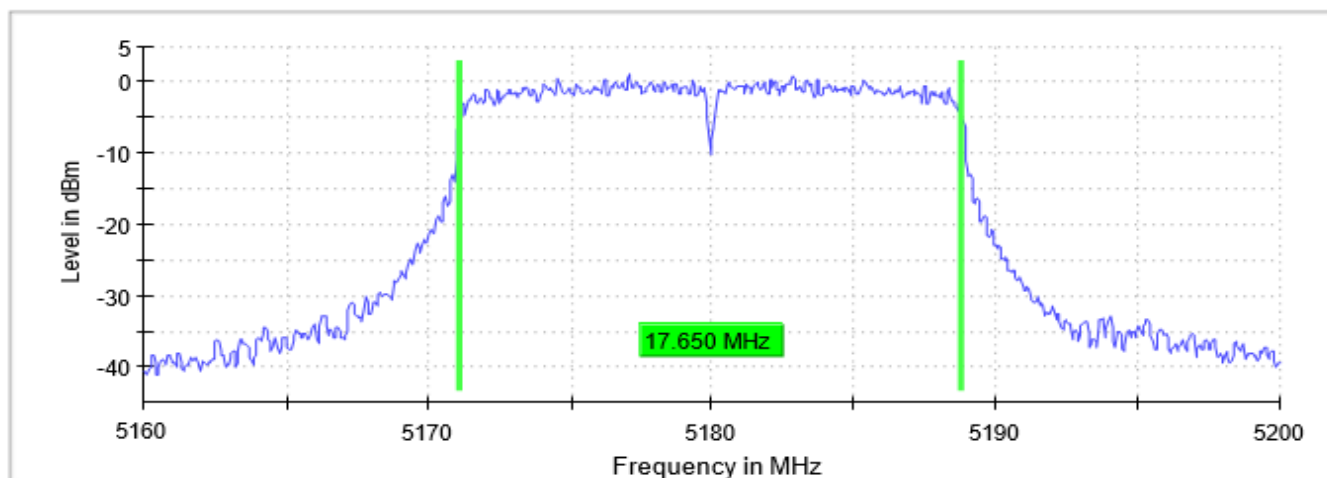
802.11a 5180MHz 6Mbps

6 dB Bandwidth



802.11n 5180MHz MCS0

6 dB Bandwidth



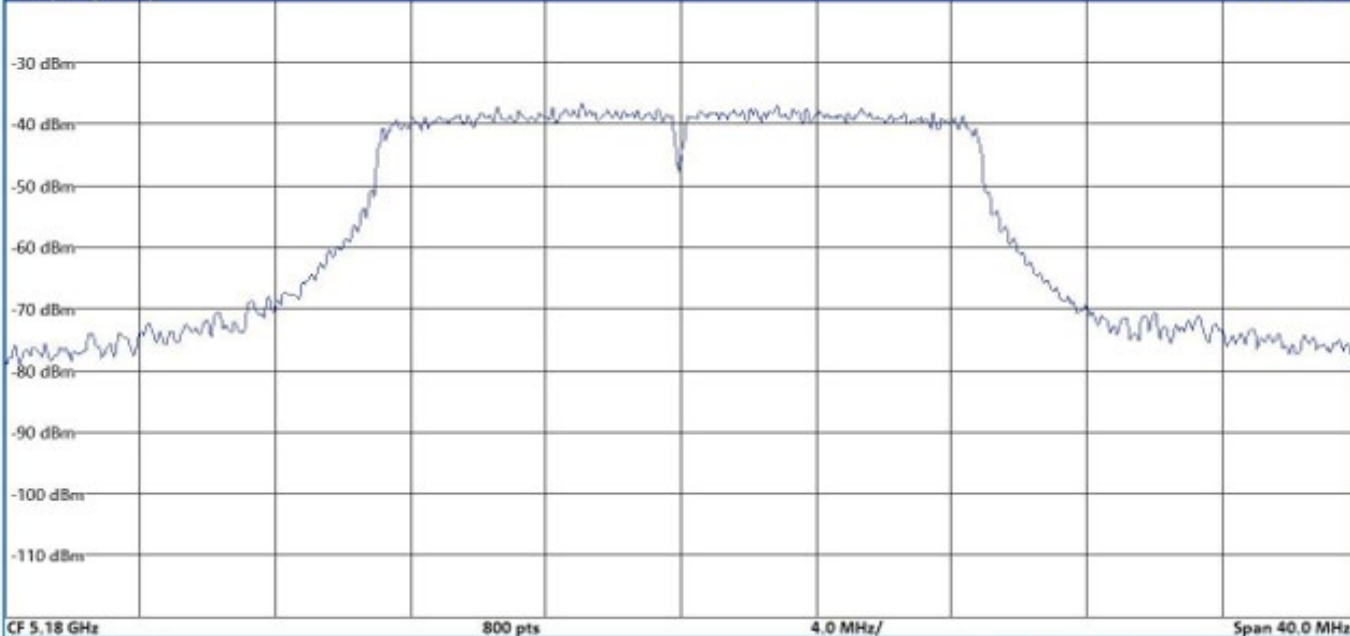
MultiView Spectrum

Ref Level -20.00 dBm
Att 0 dB SWT 1 ms RBW 100 kHz VBW 300 kHz Mode Sweep

SGL
Count 200/200

1 Frequency Sweep

0.1Pk Max



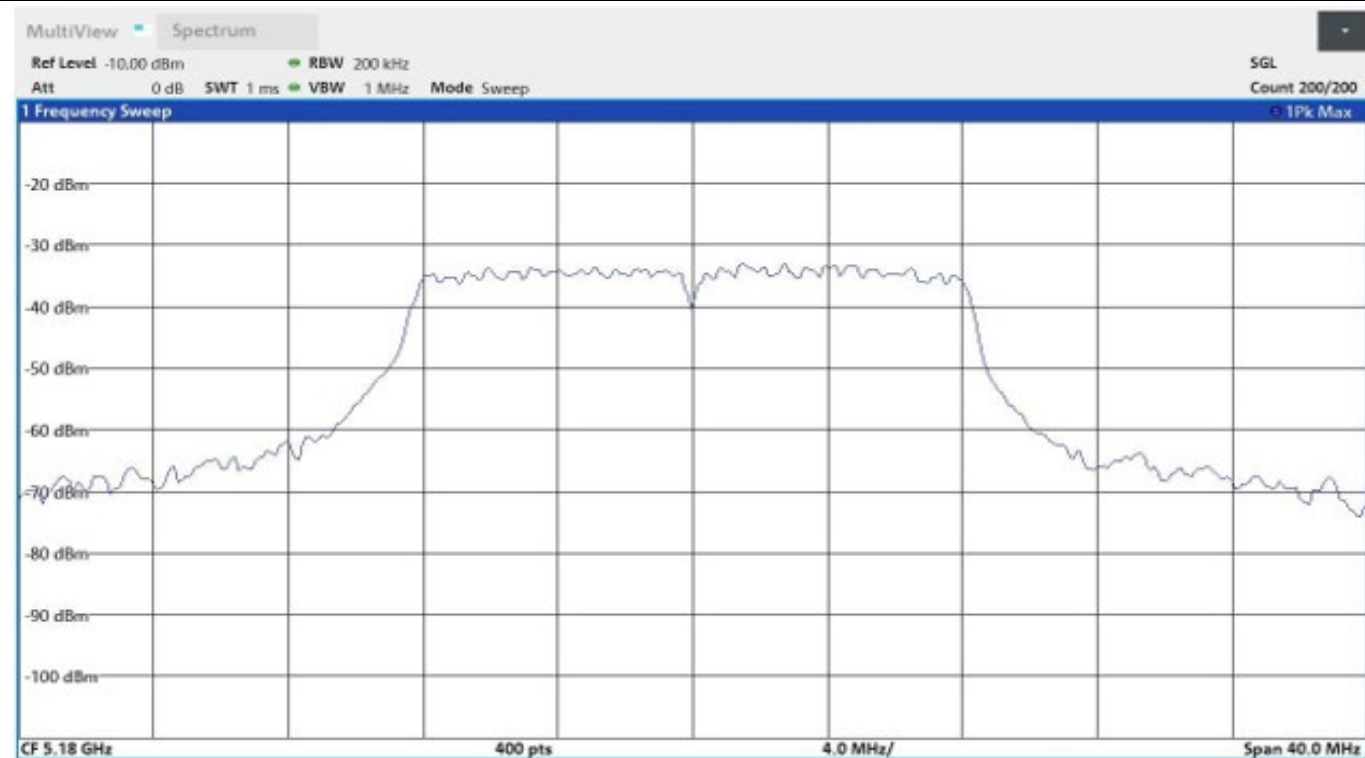
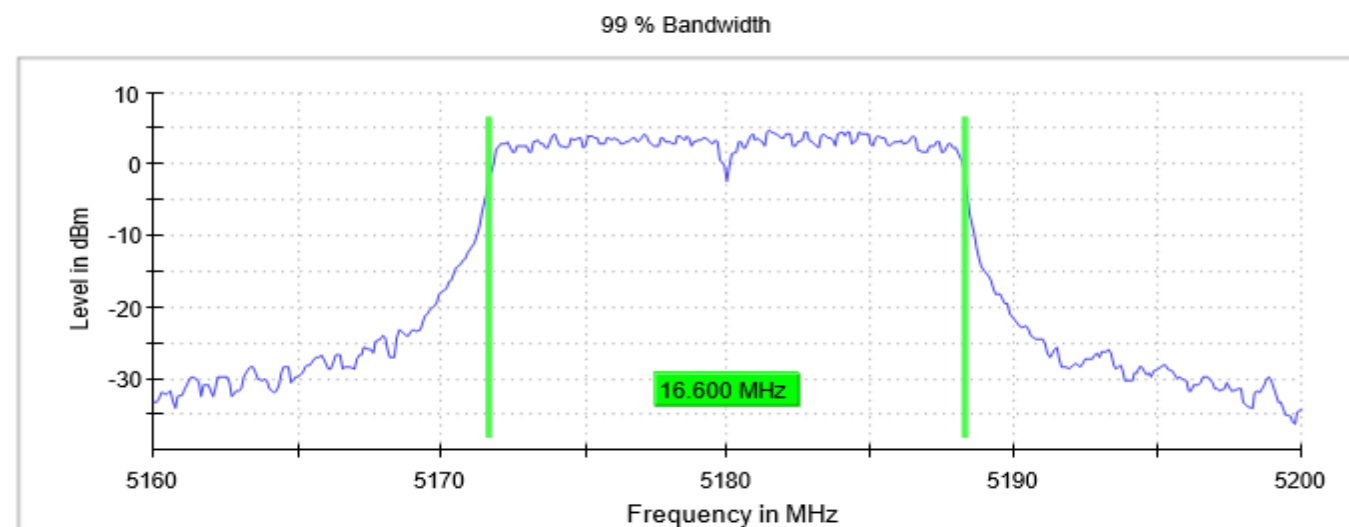
4.4.4 Occupied Channel Bandwidth

Test according to RSS-GEN Section 6.7, KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013.

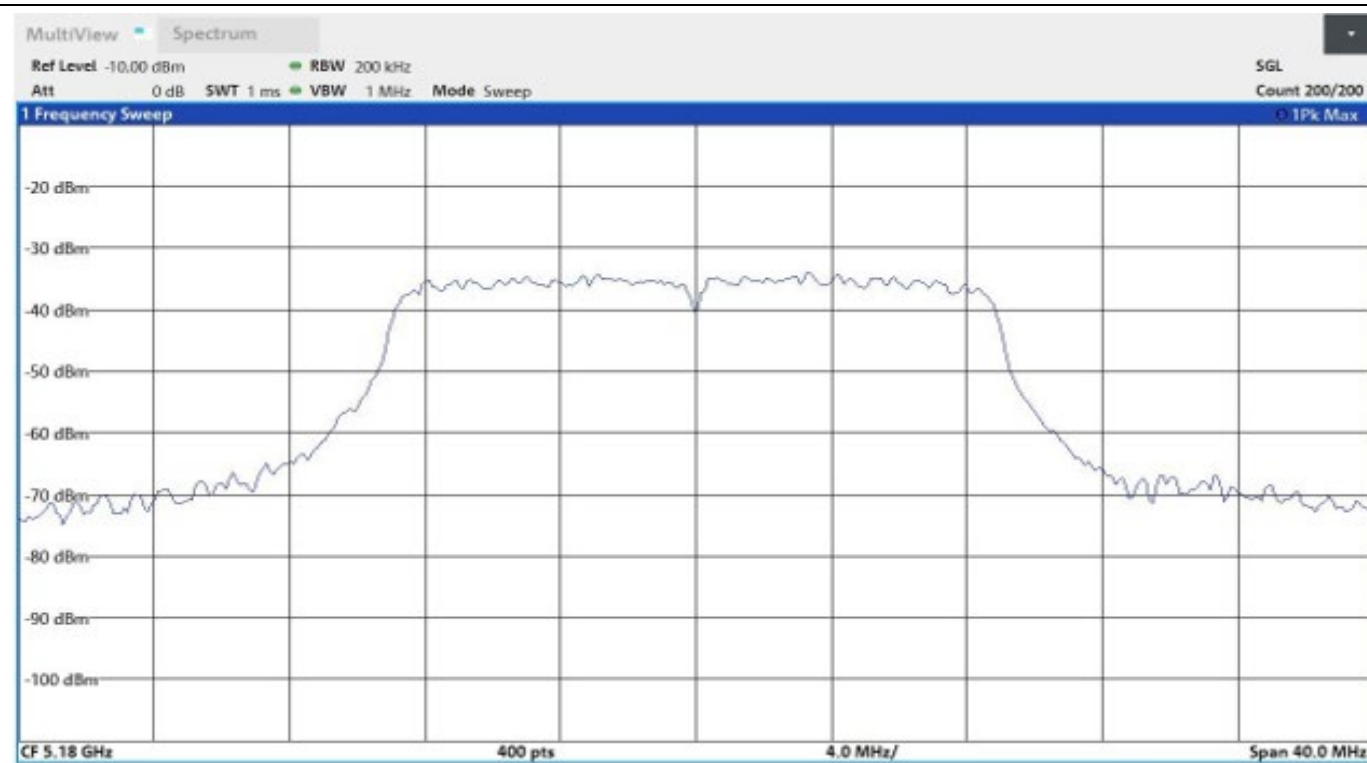
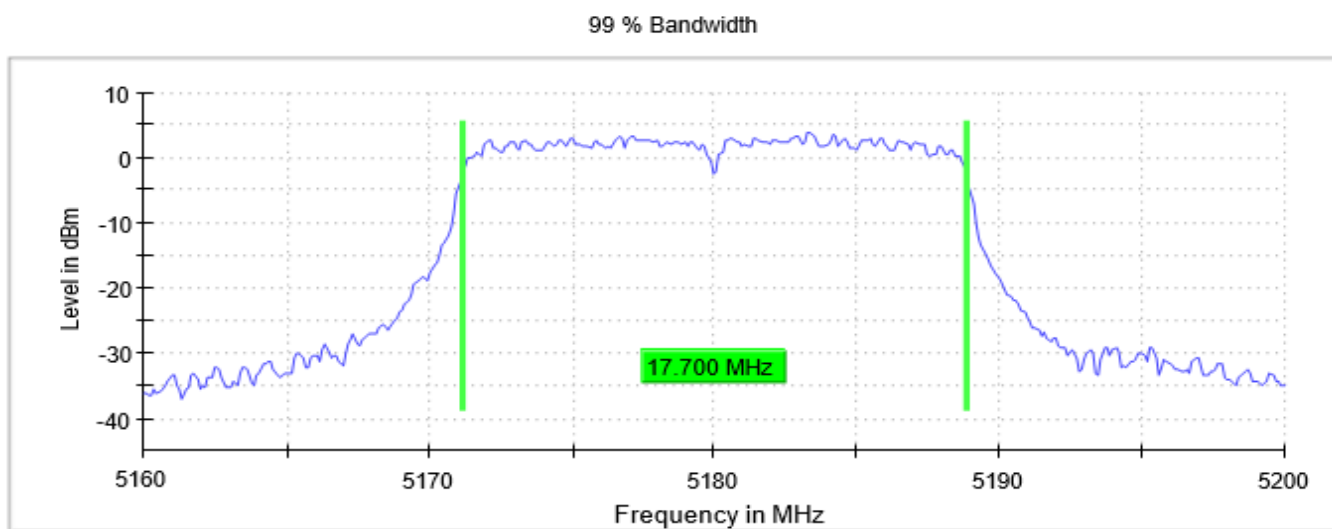
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Band Limit (MHz)
802.11a 6Mbps	5180.000000	16.600000	5171.650000	5188.250000	5150-5250
802.11n (HT20) MCS0	5180.000000	17.700000	5171.150000	5188.850000	5150-5250
802.11n (HT40) MCS0	5190.000000	35.750000	5172.125000	5207.875000	5150-5250
802.11a 6Mbps	5200.000000	16.600000	5191.650000	5208.250000	5150-5250
802.11n (HT20) MCS0	5200.000000	17.700000	5191.150000	5208.850000	5150-5250
802.11a 6Mbps	5220.000000	16.600000	5211.650000	5228.250000	5150-5250
802.11n (HT20) MCS0	5220.000000	17.600000	5211.150000	5228.750000	5150-5250
802.11n (HT40) MCS0	5230.000000	35.750000	5212.125000	5247.875000	5150-5250
802.11a 6Mbps	5240.000000	16.600000	5231.650000	5248.250000	5150-5250
802.11n (HT20) MCS0	5240.000000	17.600000	5231.150000	5248.750000	5150-5250

802.11a 5180MHz 6Mbps



802.11n (HT40) 5190MHz MCS0



4.5 UNII-3

Mode	Channel	Frequency
802.11a 802.11n(HT20)	149	5745
802.11n(HT40)	151	5755
802.11a 802.11n(HT20)	153	5765
802.11a 802.11n(HT20)	157	5785
802.11n(HT40)	159	5795
802.11a 802.11n(HT20)	161	5805
802.11a 802.11n(HT20)	165	5825

Notes:- Output power measurements performed on all supported worst data rate of each supported 802.11 mode.

Power Settings

802.11a		802.11n (HT20)		802.11n (HT40)	
Channel	Power Setting	Channel	Power Setting	Channel	Power Setting
149	18	149	16	151	16
153	18	153	16		
157	18	157	16	159	16
161	18	161	16		
165	18	165	16		

4.5.1 RF output power and Duty-Cycle

FCC and RSS-247

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.E and ANSI C63.10-2013 (In Reference to KDB 789033 E.3.B)

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Combined Uncertainty of absolute Level Measurement ($K=2$) < 1 dB

802.11a

Data Rate	Gated RMS (dBm) 5745 MHz	Gated RMS (dBm) 5765 MHz	Gated RMS (dBm) 5785 MHz	Gated RMS (dBm) 5805 MHz	Gated RMS (dBm) 5825 MHz	Limit (dBm)
6 Mbps	17.927	17.027	17.442	17.362	17.310	30.0

802.11n (HT20)

Data Rate	Gated RMS (dBm) 5745 MHz	Gated RMS (dBm) 5765 MHz	Gated RMS (dBm) 5785 MHz	Gated RMS (dBm) 5805 MHz	Gated RMS (dBm) 5825 MHz	Limit (dBm)
MCS0	15.421	14.849	15.372	15.085	15.355	30.0

802.11n (HT40)

Data Rate	Gated RMS (dBm) 5755 MHz	Gated RMS (dBm) 5795 MHz	Limit (dBm)
MCS0	15.480	15.294	30.0

4.5.2 Power Spectral Density

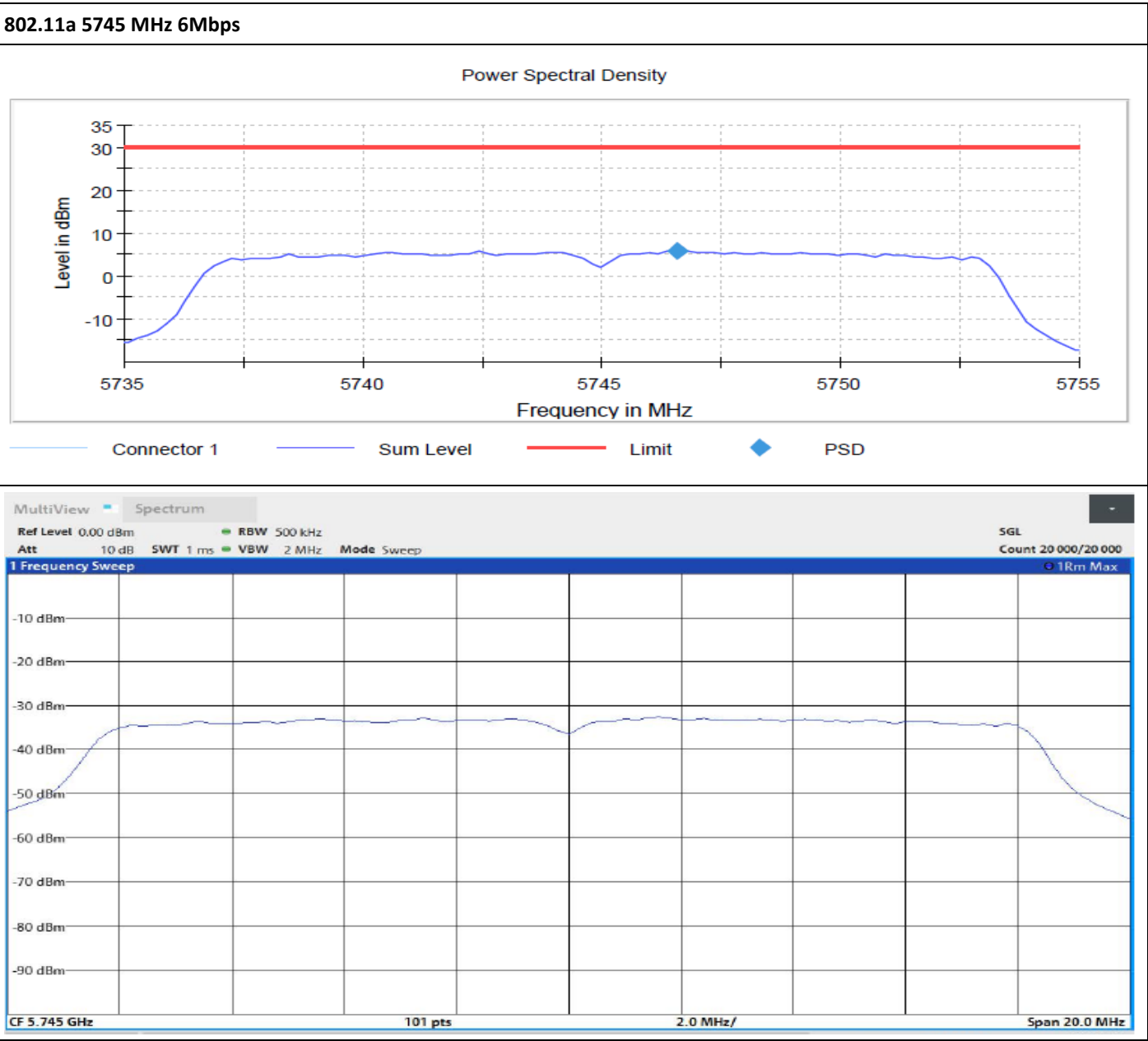
FCC and RSS-247

Test according to FCC title 47 part 15 §15.407(a), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.F with test method SA-1 and ANSI C63.10-2013

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 1.3 dB

802.11a 6Mbps

Data Rate	PSD (dBm) 5745 MHz	PSD (dBm) 5765 MHz	PSD (dBm) 5785 MHz	PSD (dBm) 5805 MHz	PSD (dBm) 5825 MHz	Limit (dBm)
6 Mbps	5.923	4.980	5.218	4.860	4.959	30.0



802.11n (HT20)

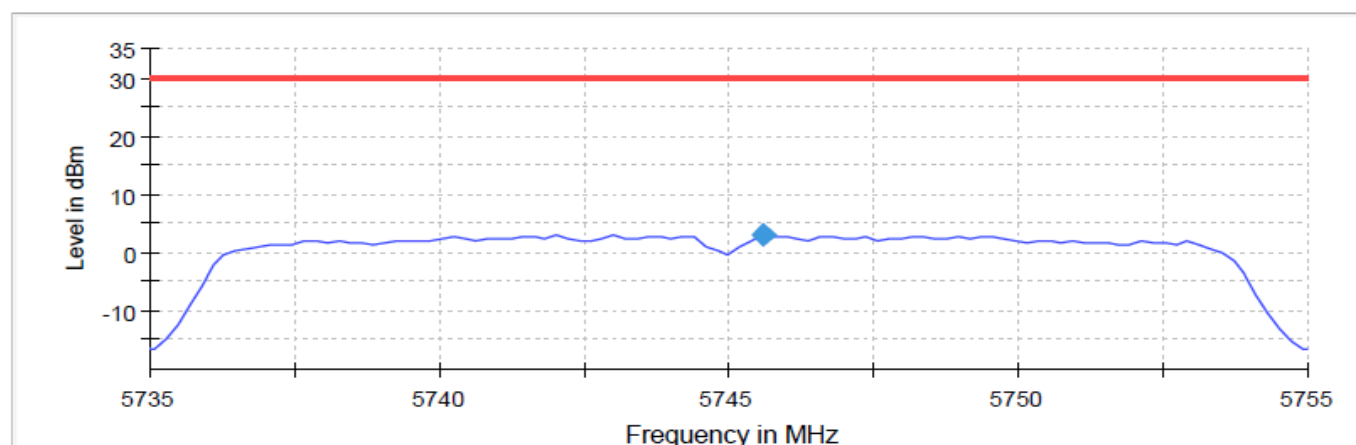
Data Rate	PSD (dBm) 5745 MHz	PSD (dBm) 5765 MHz	PSD (dBm) 5785 MHz	PSD (dBm) 5805 MHz	PSD (dBm) 5825 MHz	Limit (dBm)
MCS0	3.046	2.641	3.184	2.713	2.674	30.0

802.11n (HT40)

Data Rate	PSD (dBm) 5755 MHz	PSD (dBm) 5795 MHz	Limit (dBm)
MCS0	1.456	1.522	30.0

802.11n (HT20) 5745 MHz MCS0

Power Spectral Density

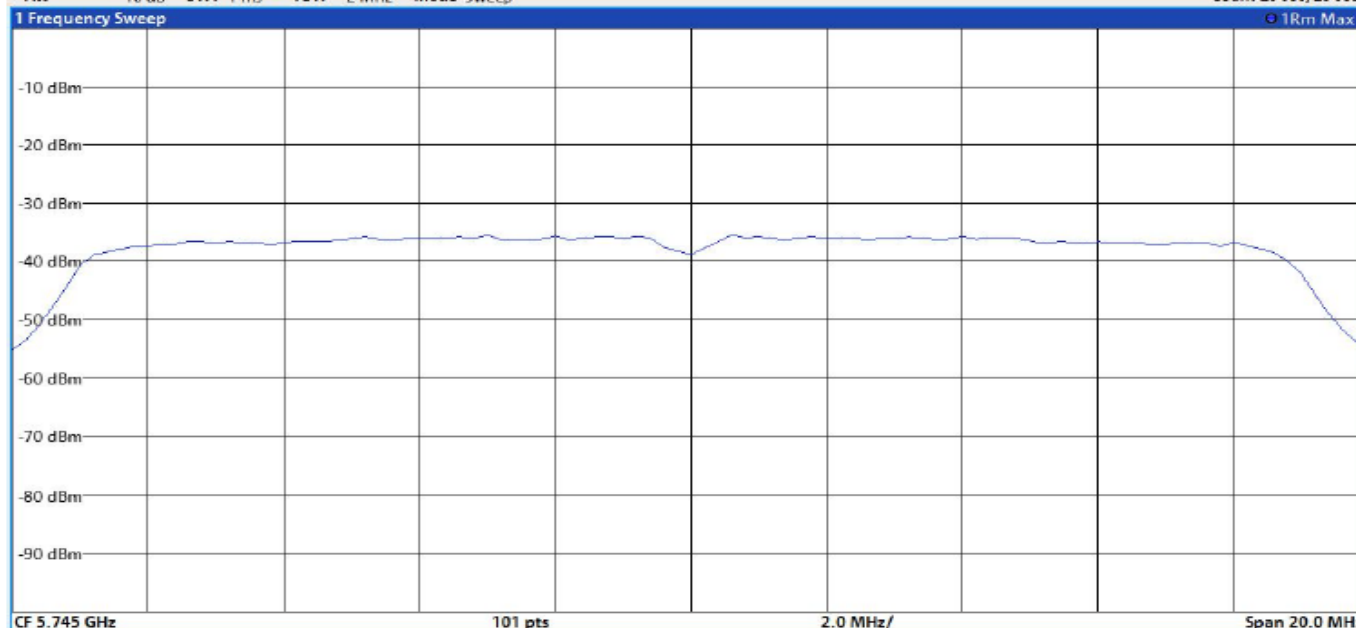


Connector 1 Sum Level Limit PSD

MultiView Spectrum

Ref Level 0.00 dBm Att 10 dB RBW 500 kHz VBW 2 MHz Mode Sweep

SGL Count 20 000/20 000



4.5.3 DTS Bandwidth 6dB

FCC and RSS-247

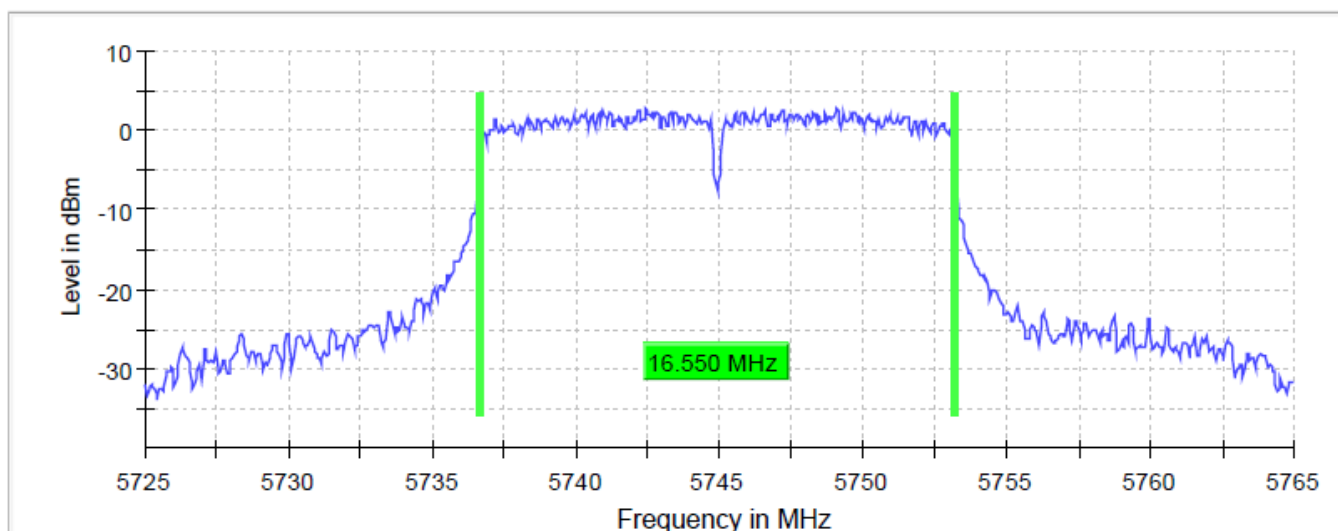
Test according to FCC title 47 part 15 §15.407(a) (e), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 Section C.2 and ANSI C63.10-2013, ISEDC RSS-247 6.2.4(1)

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Minimum Band Limit (MHz)
802.11a 6Mbps	5745.000000	16.550000	5736.625000	5753.175000	0.500000
802.11n (HT20) MCS0	5745.000000	17.700000	5736.075000	5753.775000	0.500000
802.11n (HT40) MCS0	5755.000000	36.400000	5736.775000	5773.175000	0.500000
802.11a 6Mbps	5765.000000	16.550000	5756.625000	5773.175000	0.500000
802.11n (HT20) MCS0	5765.000000	17.700000	5756.075000	5773.775000	0.500000
802.11a 6Mbps	5785.000000	16.550000	5776.625000	5793.175000	0.500000
802.11n (HT20) MCS0	5785.000000	17.700000	5776.075000	5793.775000	0.500000
802.11n (HT40) MCS0	5795.000000	36.400000	5776.775000	5813.175000	0.500000
802.11a 6Mbps	5805.000000	16.550000	5796.625000	5813.175000	0.500000
802.11n (HT20) MCS0	5805.000000	17.700000	5796.075000	5813.775000	0.500000
802.11a 6Mbps	5825.000000	16.550000	5816.625000	5833.175000	0.500000
802.11n (HT20) MCS0	5825.000000	17.700000	5816.075000	5833.775000	0.500000

802.11a 5745MHz 6Mbps

6 dB Bandwidth



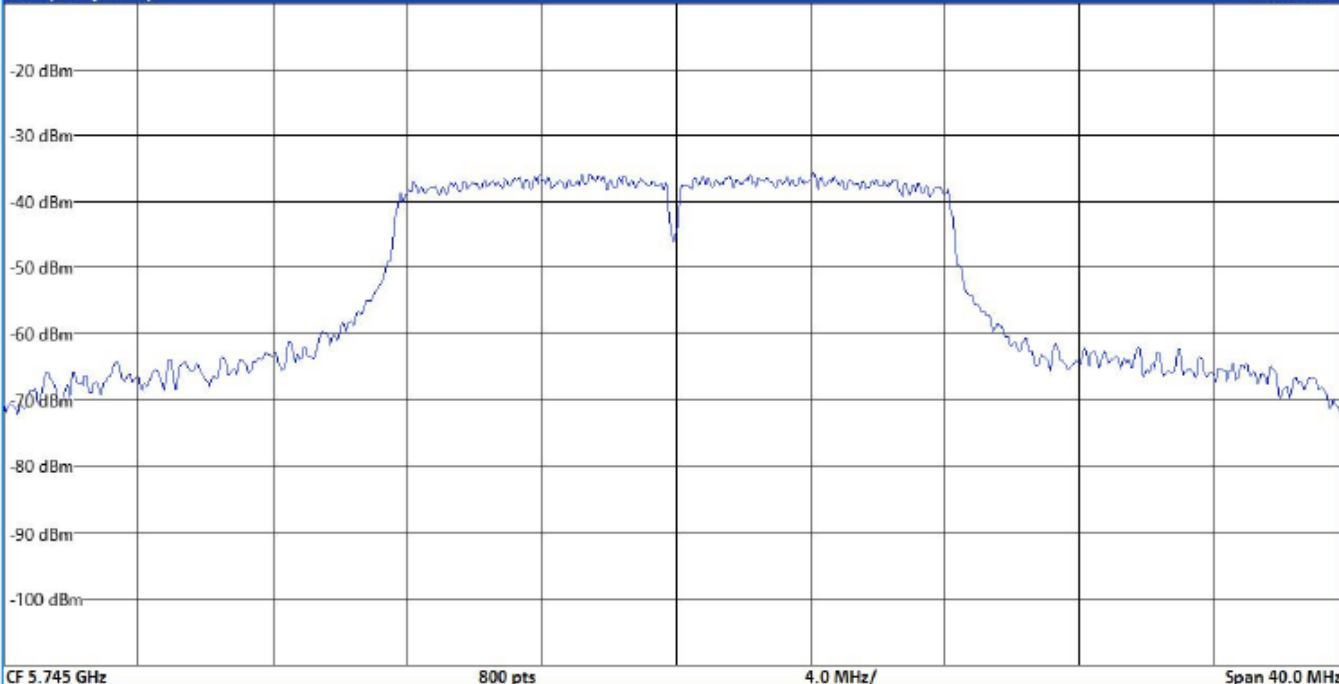
MultiView Spectrum

Ref Level -10.00 dBm
Att 10 dB SWT 1 ms RBW 100 kHz VBW 300 kHz Mode Sweep

SGL
Count 200/200

1 Frequency Sweep

1Pk Max



CF 5.745 GHz

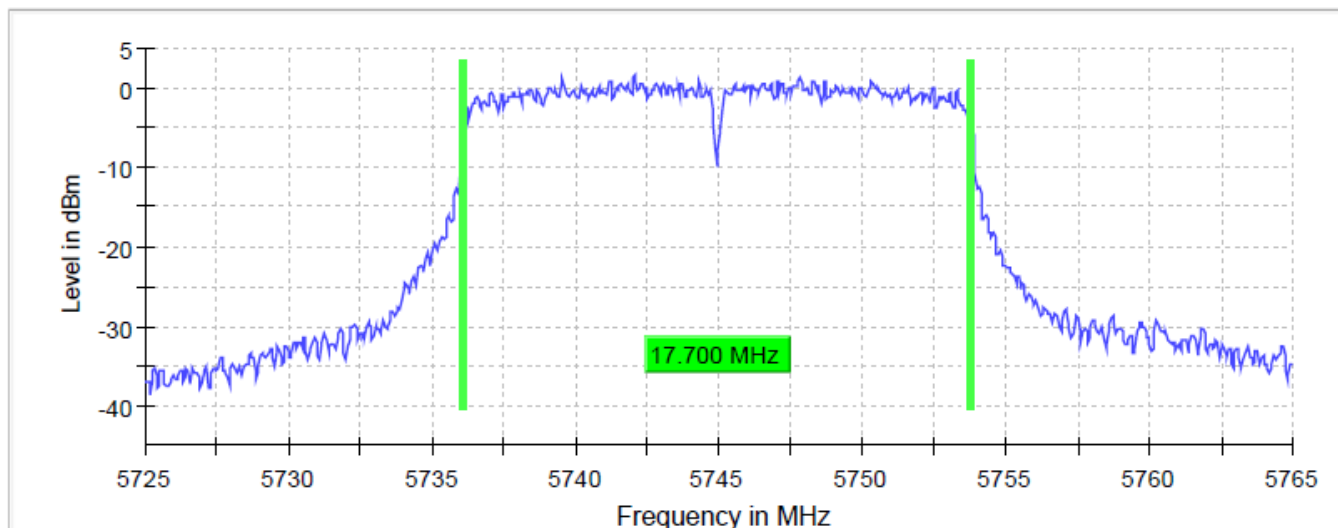
800 pts

4.0 MHz/

Span 40.0 MHz

802.11n (HT20) 5745MHz MCS0

6 dB Bandwidth



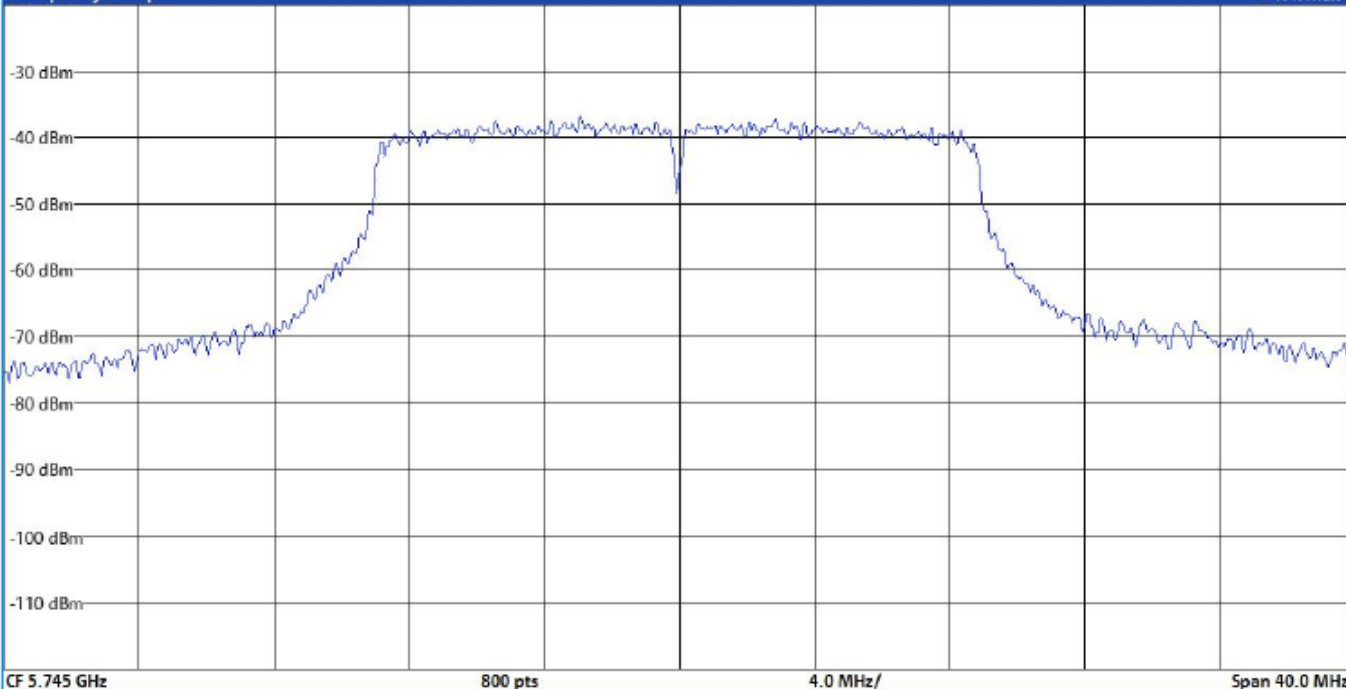
MultiView Spectrum

Ref Level -20.00 dBm Att 0 dB SWT 1 ms RBW 100 kHz VBW 300 kHz Mode Sweep

SGL Count 200/200

1 Frequency Sweep

1Pk Max



4.5.4 Occupied Channel Bandwidth

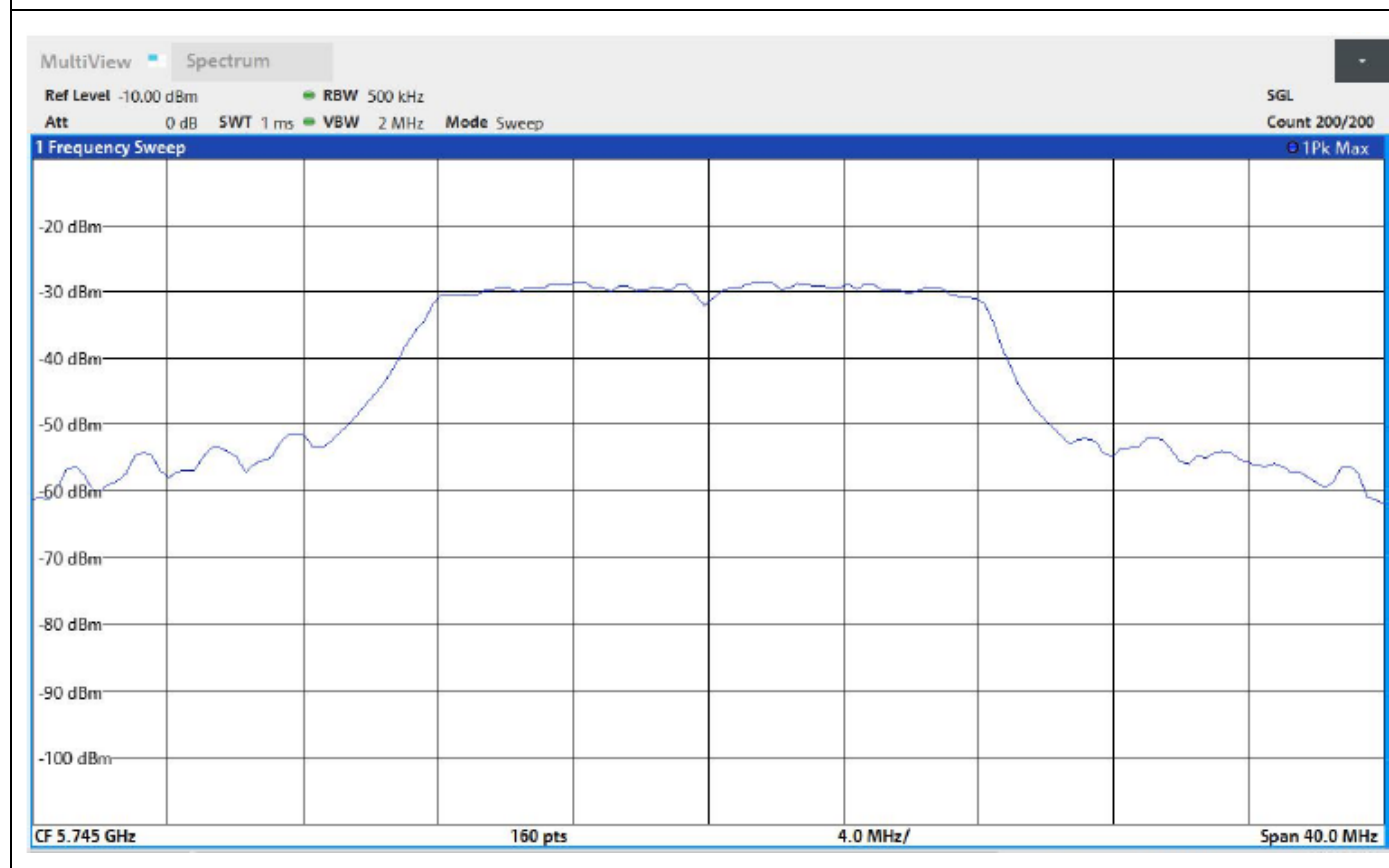
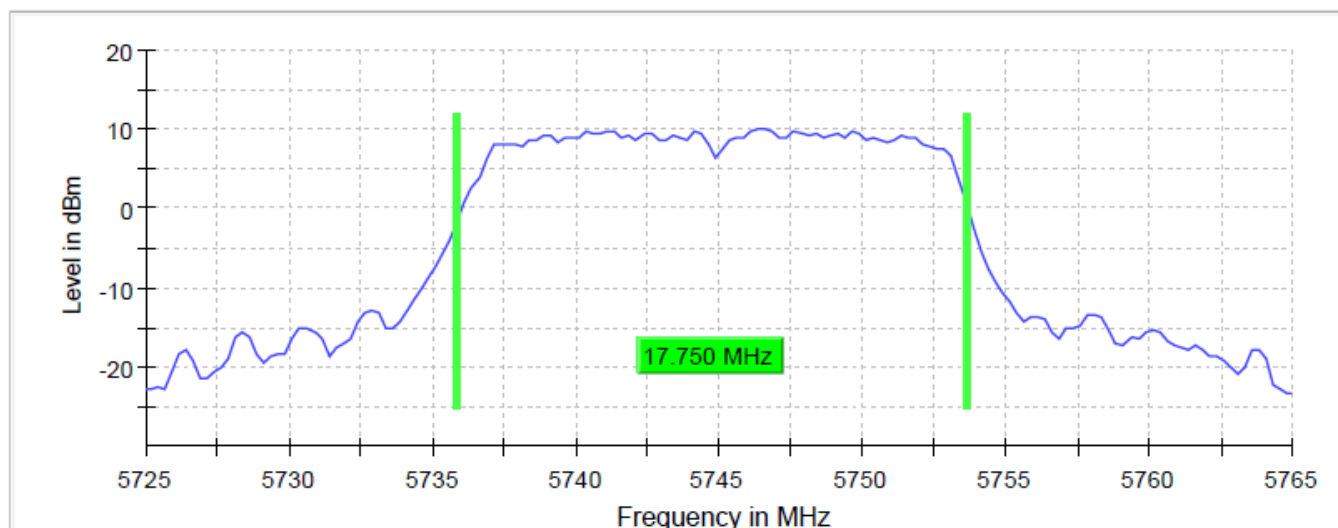
Test according to RSS-GEN Section 6.7, KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 D and ANSI C63.10-2013

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Band Limit (MHz)
802.11a 6Mbps	5745.000000	17.750000	5735.875000	5753.625000	5725-5850
802.11n (HT20) MCS0	5745.000000	18.250000	5735.875000	5754.125000	5725-5850
802.11n (HT40) MCS0	5755.000000	36.500000	5736.750000	5773.250000	5725-5850
802.11a 6Mbps	5765.000000	17.500000	5756.125000	5773.625000	5725-5850
802.11n (HT20) MCS0	5765.000000	18.250000	5755.875000	5774.125000	5725-5850
802.11a 6Mbps	5785.000000	17.750000	5775.875000	5793.625000	5725-5850
802.11n (HT20) MCS0	5785.000000	18.250000	5775.875000	5794.125000	5725-5850
802.11n (HT40) MCS0	5795.000000	36.500000	5776.750000	5813.250000	5725-5850
802.11a 6Mbps	5805.000000	17.750000	5795.875000	5813.625000	5725-5850
802.11n (HT20) MCS0	5805.000000	18.250000	5795.875000	5814.125000	5725-5850
802.11a 6Mbps	5825.000000	17.750000	5815.875000	5833.625000	5725-5850
802.11n (HT20) MCS0	5825.000000	18.250000	5815.875000	5834.125000	5725-5850

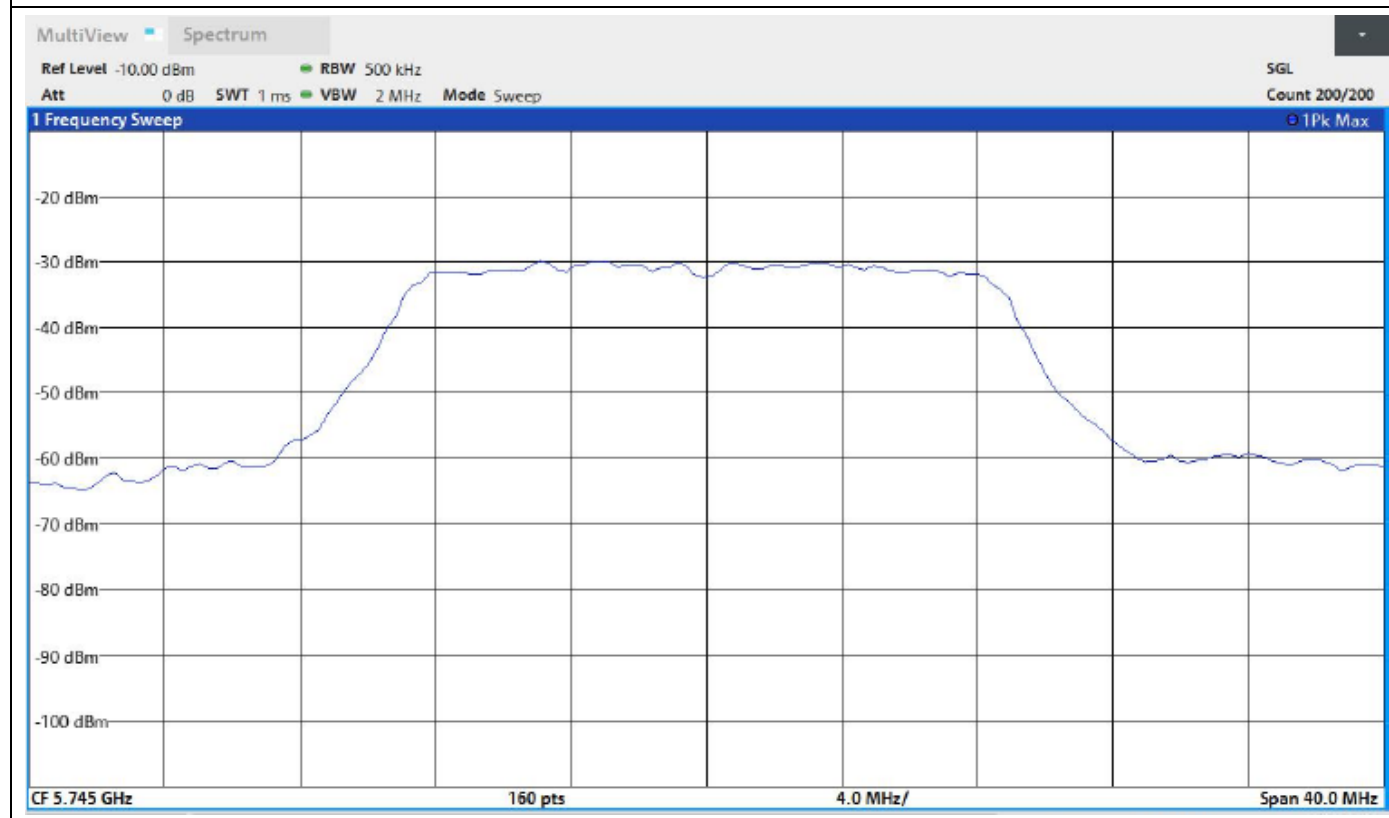
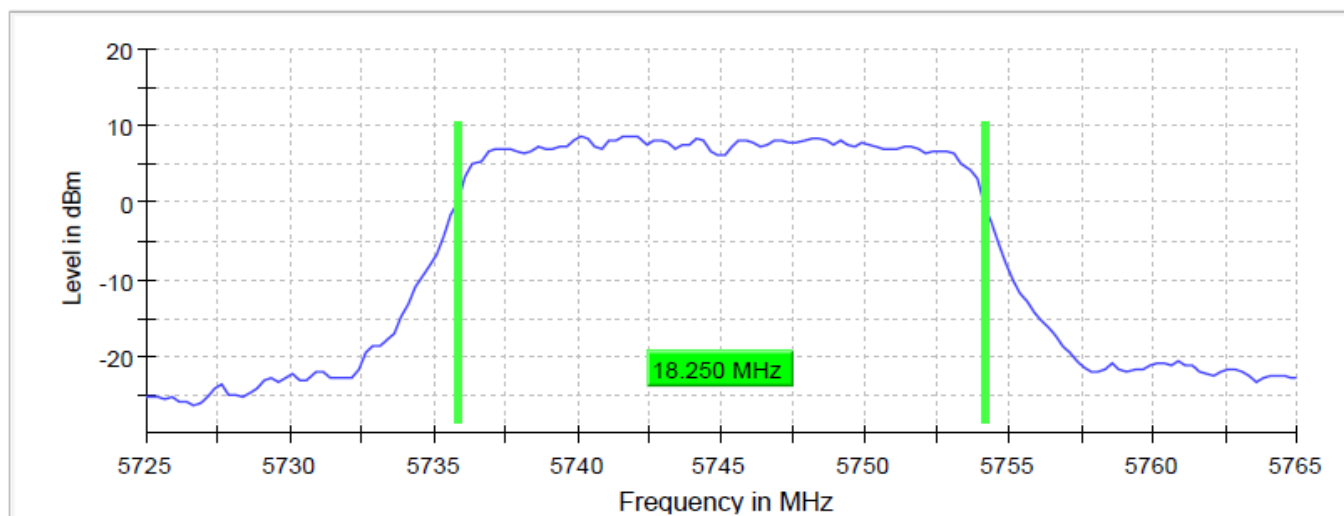
802.11a 5745MHz 6Mbps

99 % Bandwidth



802.11n (HT40) 5755MHz MCS0

99 % Bandwidth



5. RADIATED TESTING

5.1 Test Summary

NORA-W300

Start: 10/19/2023	End: 12/05/2023	Temperature: 23.0°C Humidity: 41.1%R.H	Initials: AP/AB
-------------------	-----------------	---	-----------------

DUT S/N	J23220-W300#1 J23220-W301#2 J23220-W306#1	DUT Operating Mode		5GHz WLAN Test Mode	
Comment	Worst case modulation and channels tested and documented in this report are based on RF output power of W300 device.				
Antenna	Frequency Range	Polarization	Result Over/Under Limit		Notes
Loop	9kHz-30MHz	Parallel	☐ Over	☒ Under	√
		Perpendicular	☐ Over	☒ Under	√
		Ground-Parallel	☐ Over	☒ Under	√
Log Periodic	30MHz-1GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√
Horn	1GHz-18GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√
Horn	18GHz-40GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√

Notes: √ meets the requirements of the acceptance criteria.

NORA-W301

Start: 11/29/2023	End: 01/26/2024	Temperature: 23.0°C Humidity: 41.1%R.H	Initials: AP/AB
-------------------	-----------------	---	-----------------

DUT S/N	J23220-W300#1 J23220-W301#2 J23220-W306#1	DUT Operating Mode		5GHz WLAN Test Mode
Comment	Worst case modulation and channels tested are based on RF output power of W300 device.			
Antenna	Frequency Range	Polarization	Result Over/Under Limit	Notes
Log Periodic	30MHz-1GHz	Horizontal	☐ Over ☒ Under	√
		Vertical	☐ Over ☒ Under	√
Horn	1GHz-18GHz	Horizontal	☐ Over ☒ Under	√
		Vertical	☐ Over ☒ Under	√
Horn	18GHz-40GHz	Horizontal	☐ Over ☒ Under	√
		Vertical	☐ Over ☒ Under	√

Notes: √ meets the requirements of the acceptance criteria.

NORA-W306

Start: 10/19/2023	End: 12/07/2023	Temperature: 21.9°C Humidity: 24.4%R.H	Initials: AP/AB
-------------------	-----------------	---	-----------------

DUT S/N	J23220-W300#1		DUT Operating Mode		5GHz WLAN Test Mode
	J23220-W301#2				
	J23220-W306#1				
Comment	Worst case modulation and channels tested are based on RF output power of W300 device.				
Antenna	Frequency Range	Polarization	Result Over/Under Limit		Notes
Loop	9kHz-30MHz	Parallel	☐ Over	☒ Under	√
		Perpendicular	☐ Over	☒ Under	√
		Ground-Parallel	☐ Over	☒ Under	√
Log Periodic	30MHz-1GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√
Horn	1GHz-18GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√
Horn	18GHz-40GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√

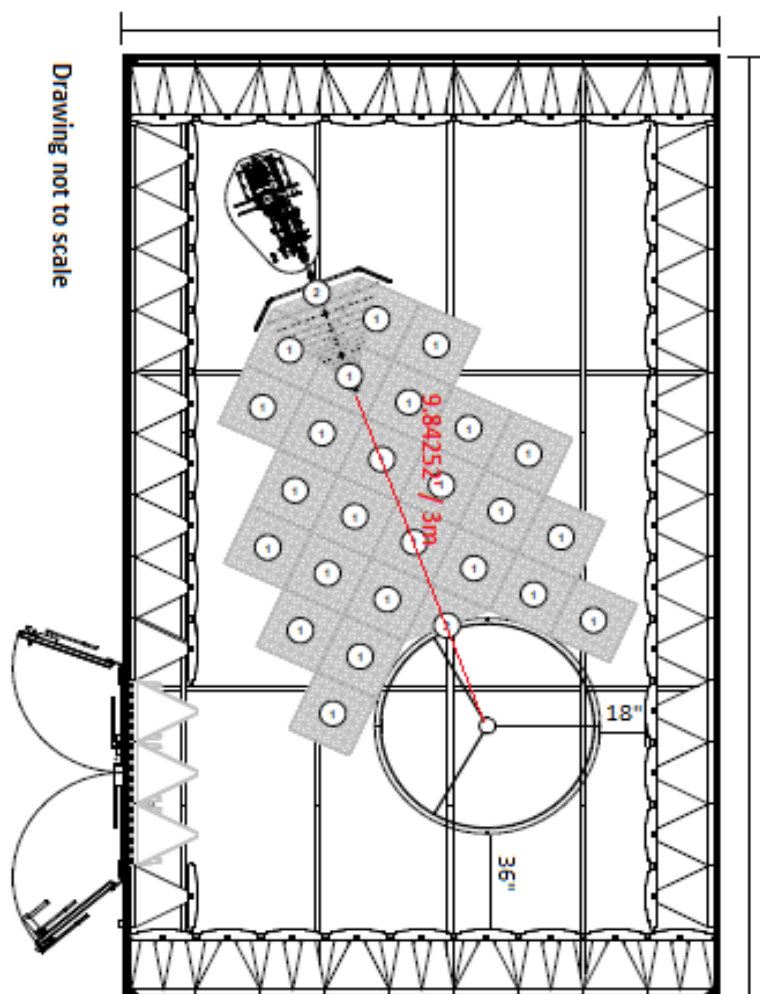
Notes: √ meets the requirements of the acceptance criteria.

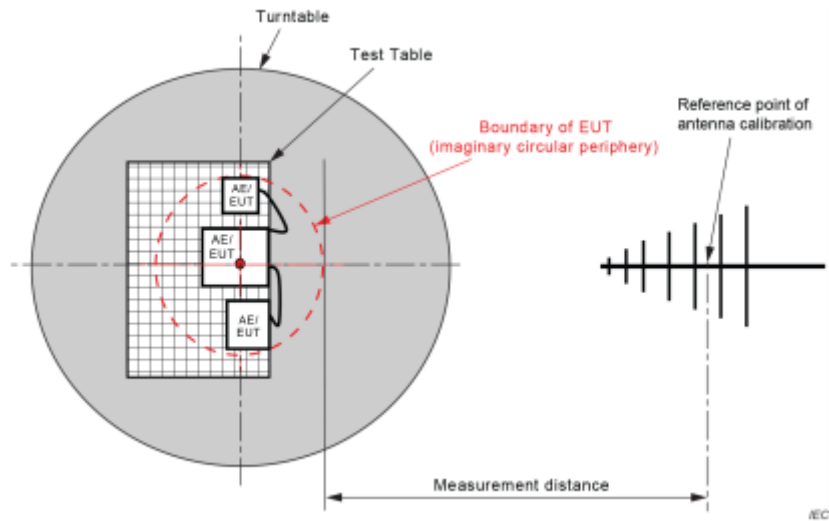
5.2 Test Setup

Semi-Anechoic Chamber Test Site-3 meter

Chamber Location	815 N Opdyke Rd Auburn Hills, Michigan 48326
Chamber Manufacturer:	ETS-Lindgren
Chamber Type	Semi-Anechoic
Model	FACT™ 3-2.0 Plus
Chamber Dimensions (L x W x H)	18'x18'x30'
Quiet Zone Diameter	2.0 meters
Quiet Zone Test Heights	1 & 2 meters (front only)
Test Distance	3.0 meters
Test Frequency Range	1-40 GHz
Measured Performance	4.87 dB Site sVSWR

Chamber Dimensions





5.3 Test Equipment Used

ID #	Equipment	Manufacturer	Model #	Serial #	Cal Due
BVD0217	Receiver 2Hz-44GHz	Rohde & Schwarz	ESW44	101871	6/15/2024
BVD0118	Antenna Mast Position Controller	ETS	7006-001	00214778/ 00214648	N/A
BVD0111	3 Meter Anechoic Chamber	ETS	N/A	N/A	N/A
BVD0247	Turn Table	ETS	920250	N/A	N/A
BVD0323	Foam Test Table For 3 Meter Chamber	ETS-Lindgren	LDT-1.5	N/A	N/A
BVD0069	Bore Sight Tower	ETS	2171B	226732	N/A
BVD0187	Preamplifier 25dB cal to 100kHz-1GHz	Rohde & Schwarz	TS-PR1	102080	1/23/2025
BVD0184	Preamplifier 29dB 1-18GHz	Rohde & Schwarz	TS-PR18	101646	6/22/2024
BVD0185	Preamplifier 45dB 18-40GHz	Rohde & Schwarz	TS-PR1840	100064	12/12/2024
BVD0187	Preamplifier 25dB cal to 100kHz-1GHz	Rohde & Schwarz	TS-PR1	102080	1/23/2025
BVD0267	Double Ridge Waveguide 800MHz-18GHz	Rohde & Schwarz	HF907	102832	6/22/2024
BVD0021	UltraLog Antenna 30-6000MHz	Rohde & Schwarz	HL562E	101113	6/26/2025
BVD0320	18-40GHz Horn Antenna	L3 Narda ATM	PNR 180-442-KF	136164-01	4/29/2024
BVD0012	Loop Antenna 9kHz-30MHz	Rohde & Schwarz	FMZB1519B	146	7/13/2024
BVD0481	Band Reject Filter 40dB from 5150 to 5880MHz	Micro-Tronics	BRM50716	G336	6/15/2024
BVD0394	Double Shielded N-Type Cable 6.9 Meter	Rohde & Schwarz	N-Type	N/A	4/3/2024
BVD0398	Double Shielded N-Type Cable 2 Meter	Rohde & Schwarz	N-Type	N/A	12/29/2024
BVD0563	RF Cable Assembly	Huber+Suhner, inc	SUCOFLEX 102A	502215/2A	9/12/2024
BVD0407	Double Shielded N-Type Cable 410mm (For PreAmp)	Rohde & Schwarz	N-Type	N/A	10/12/2024
BVD0495	SMA Shielded Cable approx 100mm (for Pre-Amp)	Rohde & Schwarz	SMA-Type	N/A	4/29/2024
BVD0552	Double Shielded N-Type Cable 440mm (For PreAmp)	Electronic Assemblies	N-Type	N/A	4/19/2024
BVD0229	Temp and Humidity Meter	Fluke	971	12001009	5/25/2024

Equipment List (Software)

ID #	Equipment	Manufacturer	Model	Version No.	
N/A	EMC Test Software	Rodhe & Schwarz	EMC32	11.20.00	N/A

Customer Supplied Equipment

ID #	Equipment	Manufacturer	Model	Serial #	Version No.
N/A	Test Laptop	Dell	E7250	B38BY52	N/A

N/A	NORA-W3 Series Test Controller	Ublox	N/A	N/A	1.7.0.1
-----	--------------------------------	-------	-----	-----	---------

5.4 Test Limits and Procedure

Radiated emissions that fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a)

Frequencies (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance (meters)
0.009 ~ 0.490	2400/F(kHz)	48.5 - 13.8	300
0.490 ~ 1.705	24000/F(kHz)	33.8 - 23	30
1.705 ~ 30.0	30	29.54	30
30 ~ 88	100	40.0	3
88 ~ 216	150	43.5	3
216 ~ 960	200	46.0	3
Above 960	500	54.0	3

Note:

- The lower limit shall apply at the transition frequencies.
- For performing measurements at a specified distance of 3m, the values are extrapolated using extrapolation factor.
Frequencies below 30MHz are extrapolated using 40dB/decade.
Frequencies above 30MHz are extrapolated using 20dB/decade.

Frequencies (MHz)	Formula for Limits derivation for below 30MHz	Limits for frequencies below 30MHz ($\text{dB}\mu\text{V/m}$)
0.009 ~ 0.490	$2400/F(\text{kHz}) + 40 \text{ Log } (300\text{m}/3\text{m})$	128.5 ~ 93.8
0.490 ~ 1.705	$24000/F(\text{kHz}) + 40 \text{ Log } (30\text{m}/3\text{m})$	73.8 ~ 62.96
1.705 ~ 30.0	$29.54 + 40 \text{ Log } (30\text{m}/3\text{m})$	69.54

- For frequencies above 1000MHz, the field strength limits based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 30dB under any condition of modulation.

The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω .

The measurement procedures are as per **789033 D02 General UNII Test Procedures New Rules v02r01, ISED RSS-247 6.2**

The Limits for Unwanted emissions out of the Restricted Bands are as follows.

Procedure	Limits	
	Peak (dBμV/m)	Average (dBμV/m)
KDB 789033 D02 General UNII Test Procedures New Rules v02r01	74	54

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

Procedure	Peak Limit (dBμV/m)
15.407(b)(1)	68.23
15.407(b)(2)	
15.407(b)(3)	
15.407(b)(4)	As stated above

1. The table height for emissions measurements
 - i) Below 1 GHz, the table height is 80 cm above the reference ground plane.
 - ii) Above 1 GHz, the table height is 1.5 m
2. Measurements performed with the EUT rotated from 0° to 360°, the antenna height scanned between 1m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

5.5 Test Data

Uncertainty

Radiated Emissions (30MHz to 40GHz)

Test Engineer Initials: AP/AB

The test is to measure the radiated emissions of the EUT. Some error sources that can contribute to the total uncertainty:

- Uncertainty of the receiver
- Uncertainty of the antenna
- Uncertainty of cables
- Uncertainty due to the mismatches
- NSA Calibration
- Etc., details see the below table

30MHz to 1GHZ

Source of Uncertainty	Value (dB)	ProbabilityDistribution	Division	Sensitivity Coefficient	Expanded Uncertainty
Receiver Reading	0.12	Rectangular	1.732	1	0.069284
Cable Insertion Loss	0.21	Normal	2	1	0.105
Filter Insertion Loss	0.25	Normal	2	1	0.125
Antenna Factor	0.65	Normal	2	1	0.325
Receiver CW accuracy	0.5	Rectangular	1.732	1	0.2886836
Pulse Amplitude Response	1.5	Rectangular	1.732	1	0.86605081
PRF Response	1.5	Rectangular	1.732	1	0.86605081
Mismatch Filter – Receiver	0.25	U-Shape	2.449	1	0.1768033
NSA Calibration	4.0	Triangular	1.414	1	1.633332
ETS Foam Table (LDT-1.5)	1.8	Rectangular	1.732	1	1.039261
Combined Standard Uncertainty (square root of the sum of the squares)					2.113781
Expanded Uncertainty (K=2)					4.227562

The total derived measurement uncertainty is +/- 4.228 dB

1GHz to 40GHz

Source of Uncertainty	Value (dB)	Probability Distribution	Division	Sensitivity Coefficient	Expanded Uncertainty
Receiver Reading	0.12	Rectangular	1.732	1	0.069284
Cable Insertion Loss	0.21	Normal	2	1	0.105000
Filter Insertion Loss	0.25	Normal	2	1	0.125000
Antenna Factor	0.65	Normal	2	1	0.325000
Receiver CW accuracy	0.5	Rectangular	1.732	1	0.2886836
Pulse Amplitude Response	1.5	Rectangular	1.732	1	0.866051
PRF Response	1.5	Rectangular	1.732	1	0.866051
Mismatch Filter – Receiver	0.25	U-Shape	1.414	1	0.176803
VSWR Calibration	2.0	Triangular	2.449	1	0.816659
ETS Foam Table (LDT-1.5)	1.8	Rectangular	1.732	1	1.039261
Combined Standard Uncertainty (square root of the sum of the squares)					1.869213
Expanded Uncertainty (K=2)					3.738426

The total derived measurement uncertainty is +/- 3.738 dB.

NORA-W300

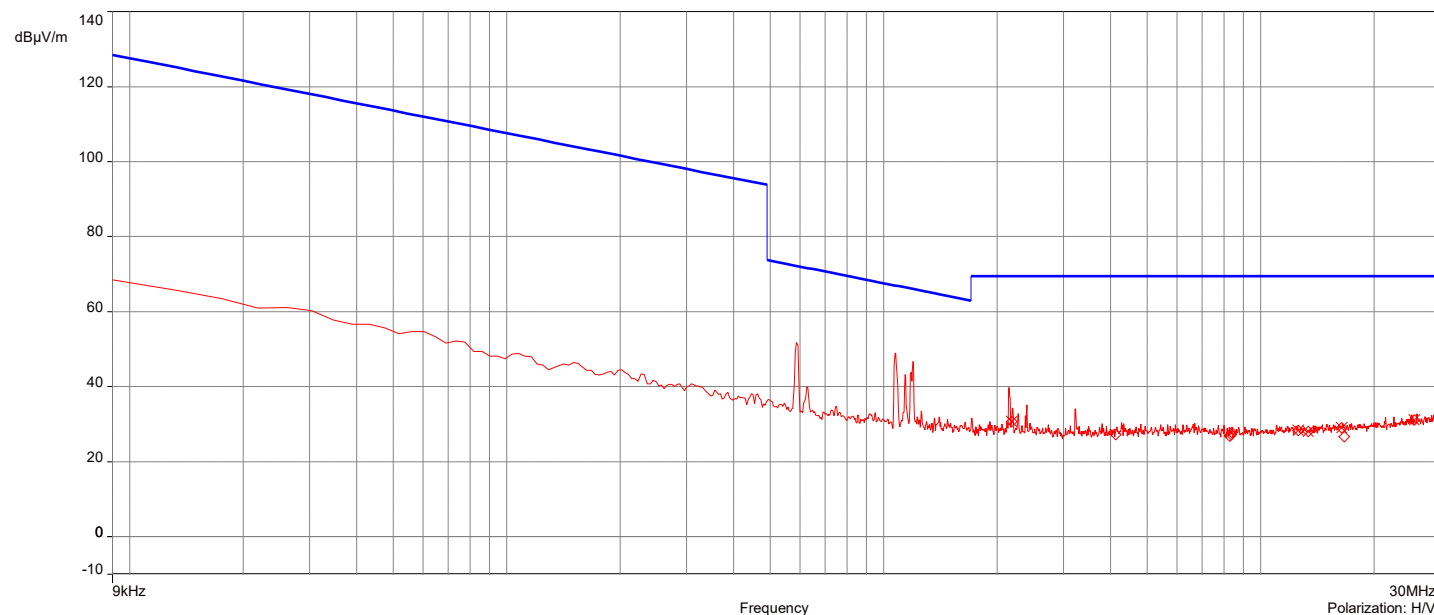
Patch Antenna

J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Ground-Parallel

10/31/2023 2:28:48 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.190086MHz	30.72	19.21	69.54	-38.82	3.05	356.50	H/V	Passed
2.	12.577024MHz	28.32	19.77	69.54	-41.22	3.05	5.80	H/V	Passed
3.	13.365472MHz	28.10	19.83	69.54	-41.44	3.05	174.60	H/V	Passed
4.	16.420706MHz	29.09	19.97	69.54	-40.45	3.05	52.70	H/V	Passed
5.	25.552128MHz	31.11	21.17	69.54	-38.43	3.05	104.00	H/V	Passed
6.	30MHz	29.37	22.00	40.00	-10.63	3.05	299.30	H/V	Passed

Overall Graphs:

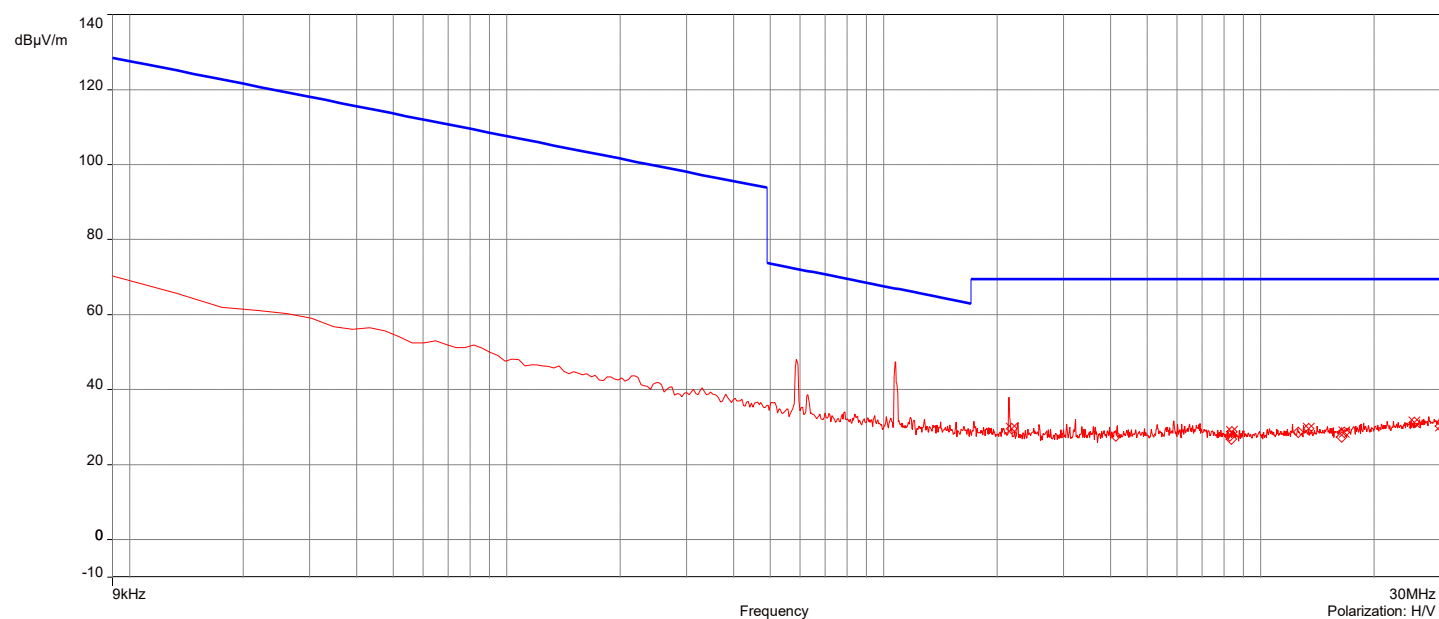


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Perpendicular

10/31/2023 2:33:26 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.185801MHz	29.61	19.20	69.54	-39.93	3.05	140.30	H/V	Passed
2.	8.386255MHz	28.75	19.32	69.54	-40.79	3.05	195.00	H/V	Passed
3.	13.395467MHz	29.54	19.83	69.54	-40.00	3.05	195.00	H/V	Passed
4.	16.694949MHz	28.66	20.01	69.54	-40.88	3.05	98.70	H/V	Passed
5.	25.586408MHz	31.34	21.17	69.54	-38.20	3.05	5.80	H/V	Passed
6.	30MHz	30.33	22.00	40.00	-9.67	3.05	344.30	H/V	Passed

Overall Graphs:

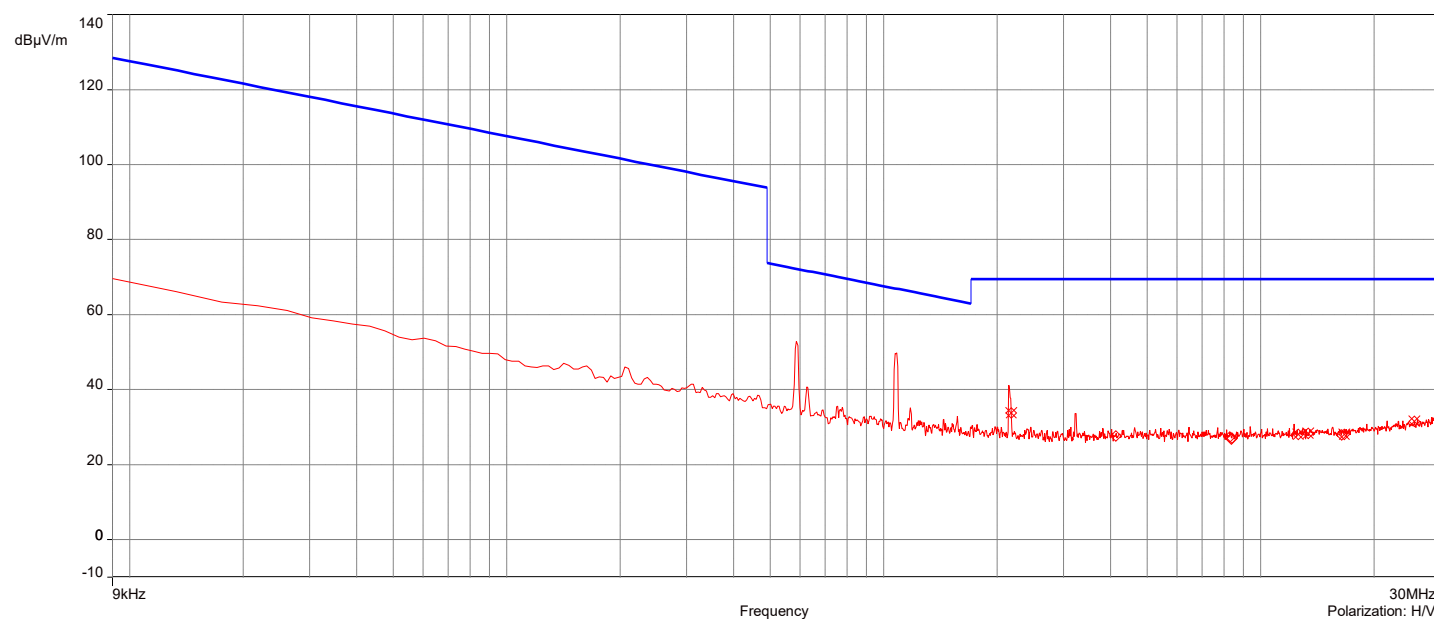


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Parallel

10/31/2023 2:36:11 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	33.72	19.20	69.54	-35.82	3.05	1.70	H/V	Passed
2.	12.577024MHz	28.08	19.77	69.54	-41.46	3.05	118.30	H/V	Passed
3.	13.378327MHz	28.39	19.83	69.54	-41.15	3.05	206.90	H/V	Passed
4.	16.694949MHz	28.12	20.01	69.54	-41.42	3.05	217.70	H/V	Passed
5.	25.539273MHz	31.61	21.17	69.54	-37.93	3.05	243.70	H/V	Passed
6.	30MHz	30.03	22.00	40.00	-9.97	3.05	42.10	H/V	Passed

Overall Graphs:

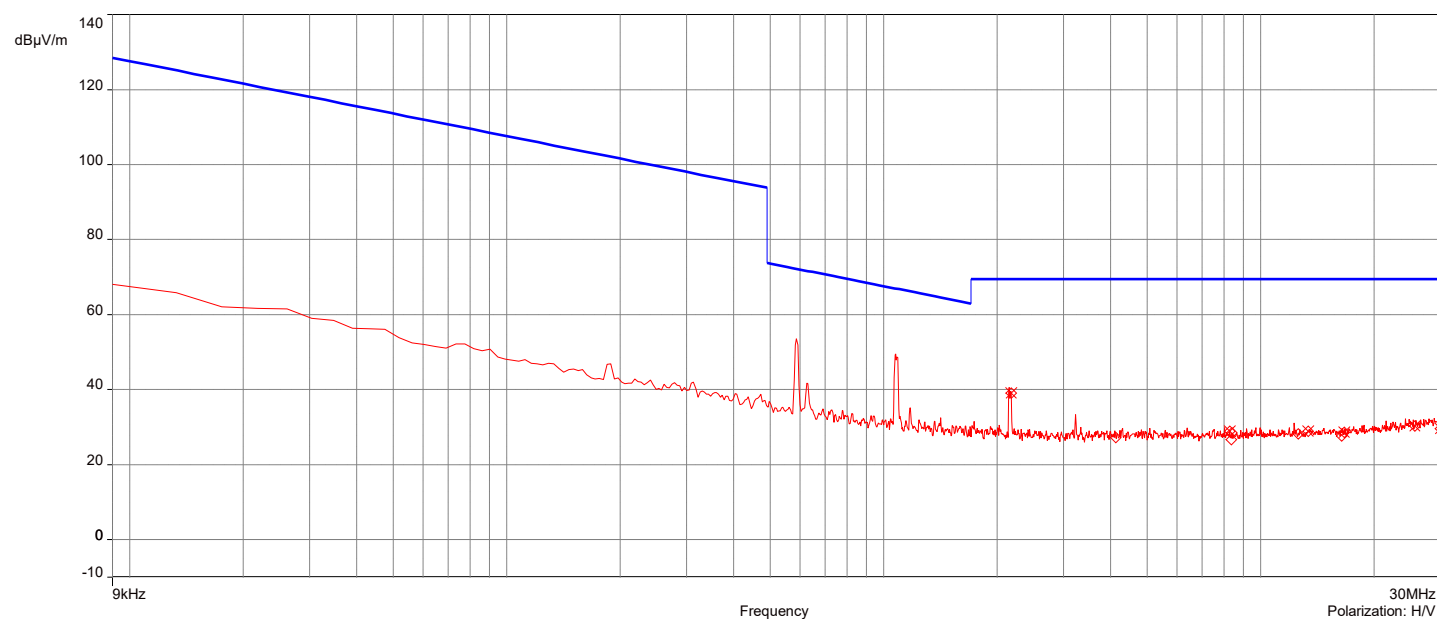


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_9kHz-30MHz_Perpendicular

10/30/2023 7:44:17 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	39.01	19.20	69.54	-30.53	3.05	344.30	H/V	Passed
2.	8.291984MHz	28.95	19.32	69.54	-40.59	3.05	181.80	H/V	Passed
3.	13.378327MHz	28.92	19.83	69.54	-40.62	3.05	356.10	H/V	Passed
4.	16.694949MHz	28.59	20.01	69.54	-40.95	3.05	259.10	H/V	Passed
5.	25.637829MHz	30.28	21.17	69.54	-39.26	3.05	358.90	H/V	Passed
6.	30MHz	29.62	22.00	40.00	-10.38	3.05	220.30	H/V	Passed

Overall Graphs:

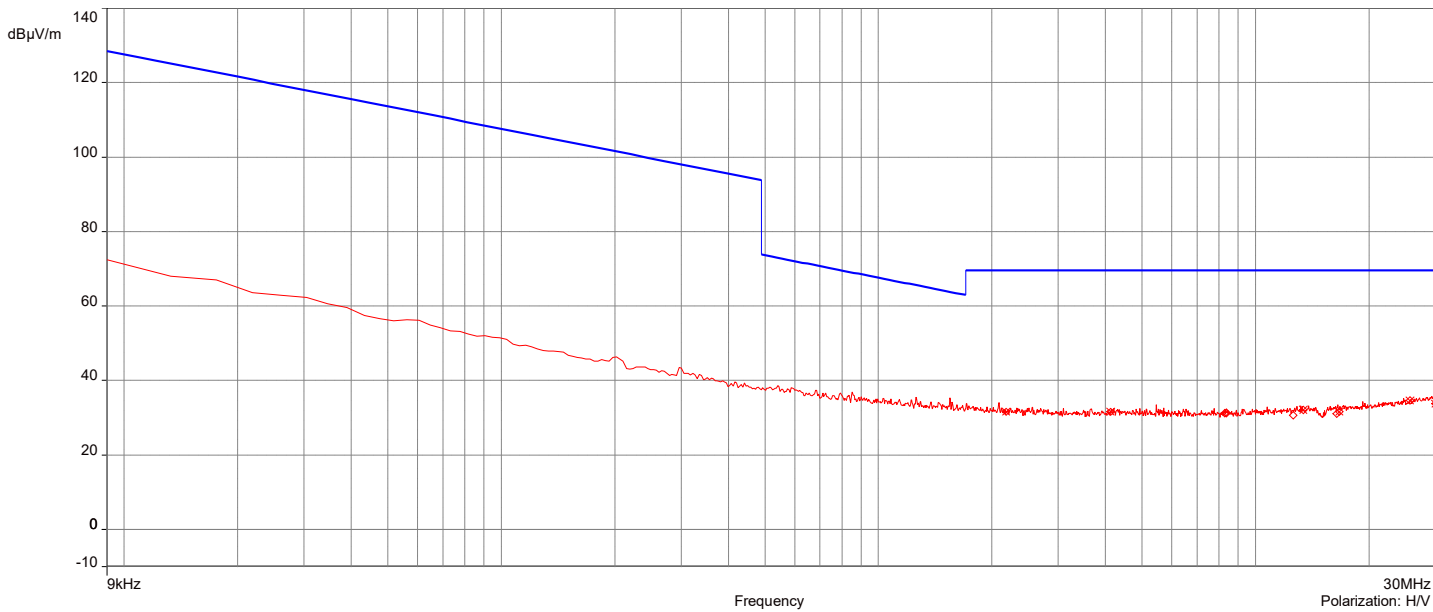


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_9kHz-30MHz_Parallel

4/1/2024 6:48:36 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.181516MHz	31.58	19.22	69.54	-37.96	1.00	10.20	H/V	Passed
2.	4.126924MHz	31.58	19.40	69.54	-37.96	1.00	48.90	H/V	Passed
3.	13.374042MHz	32.12	19.82	69.54	-37.42	1.00	346.10	H/V	Passed
4.	16.694949MHz	31.67	20.00	69.54	-37.87	1.00	15.70	H/V	Passed
5.	25.654969MHz	34.60	21.16	69.54	-34.94	1.00	239.90	H/V	Passed
6.	30MHz	33.72	21.98	40.00	-6.28	1.00	4.10	H/V	Passed

Overall Graphs:

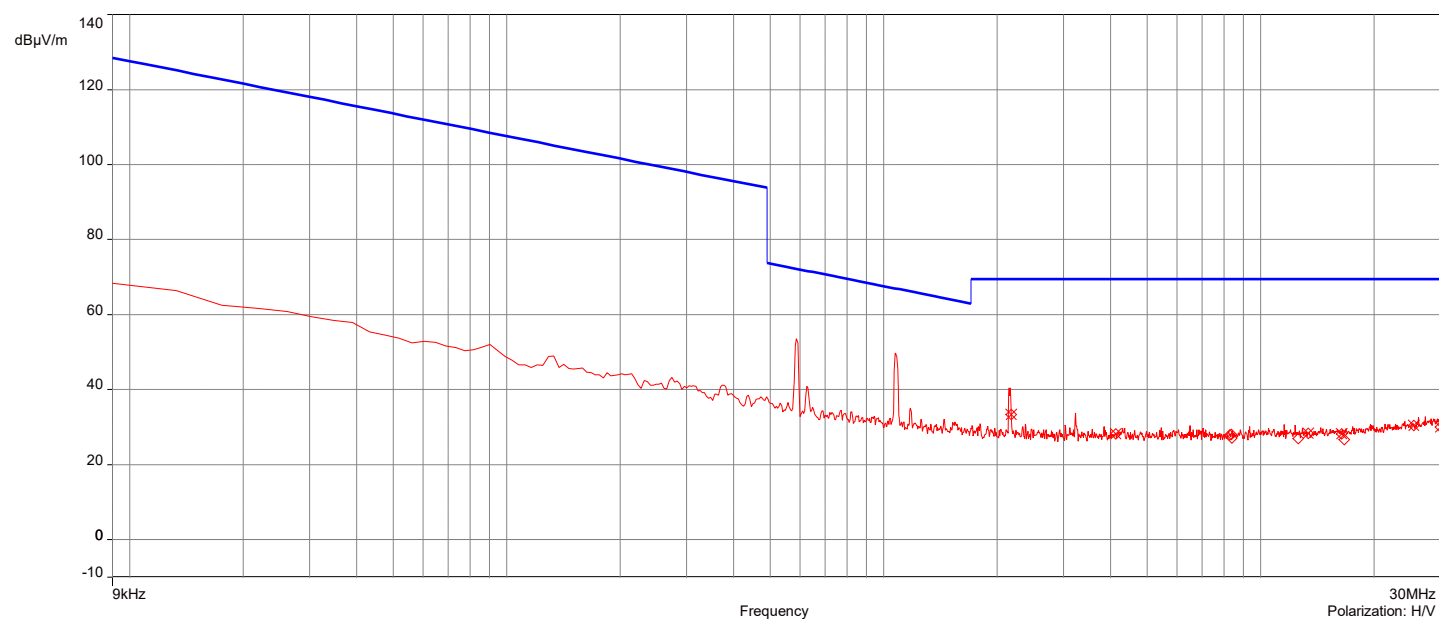


J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 40_9kHz-30MHz_Ground-Parallel

10/30/2023 7:49:28 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	33.37	19.20	69.54	-36.17	3.05	15.80	H/V	Passed
2.	4.126924MHz	28.22	19.41	69.54	-41.32	3.05	282.20	H/V	Passed
3.	13.386897MHz	28.31	19.83	69.54	-41.23	3.05	155.40	H/V	Passed
4.	16.420706MHz	28.18	19.97	69.54	-41.36	3.05	331.70	H/V	Passed
5.	25.504992MHz	30.41	21.17	69.54	-39.13	3.05	248.40	H/V	Passed
6.	30MHz	30.07	22.00	40.00	-9.93	3.05	272.20	H/V	Passed

Overall Graphs:

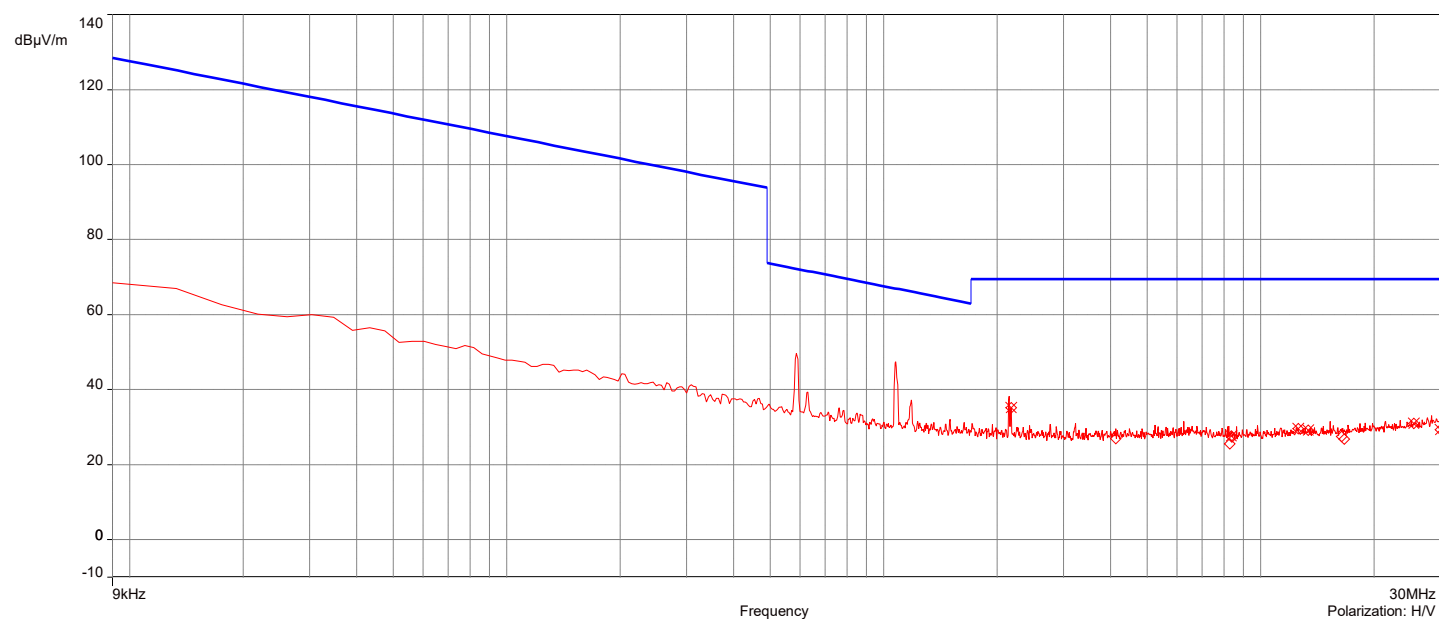


J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 40_9kHz-30MHz_Perpendicular

10/30/2023 7:52:48 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	35.19	19.20	69.54	-34.35	3.05	289.40	H/V	Passed
2.	8.364829MHz	27.63	19.32	69.54	-41.91	3.05	163.20	H/V	Passed
3.	12.577024MHz	29.62	19.77	69.54	-39.92	3.05	200.20	H/V	Passed
4.	13.365472MHz	29.16	19.83	69.54	-40.38	3.05	228.50	H/V	Passed
5.	25.513562MHz	30.96	21.17	69.54	-38.58	3.05	291.70	H/V	Passed
6.	30MHz	29.33	22.00	40.00	-10.67	3.05	243.40	H/V	Passed

Overall Graphs:

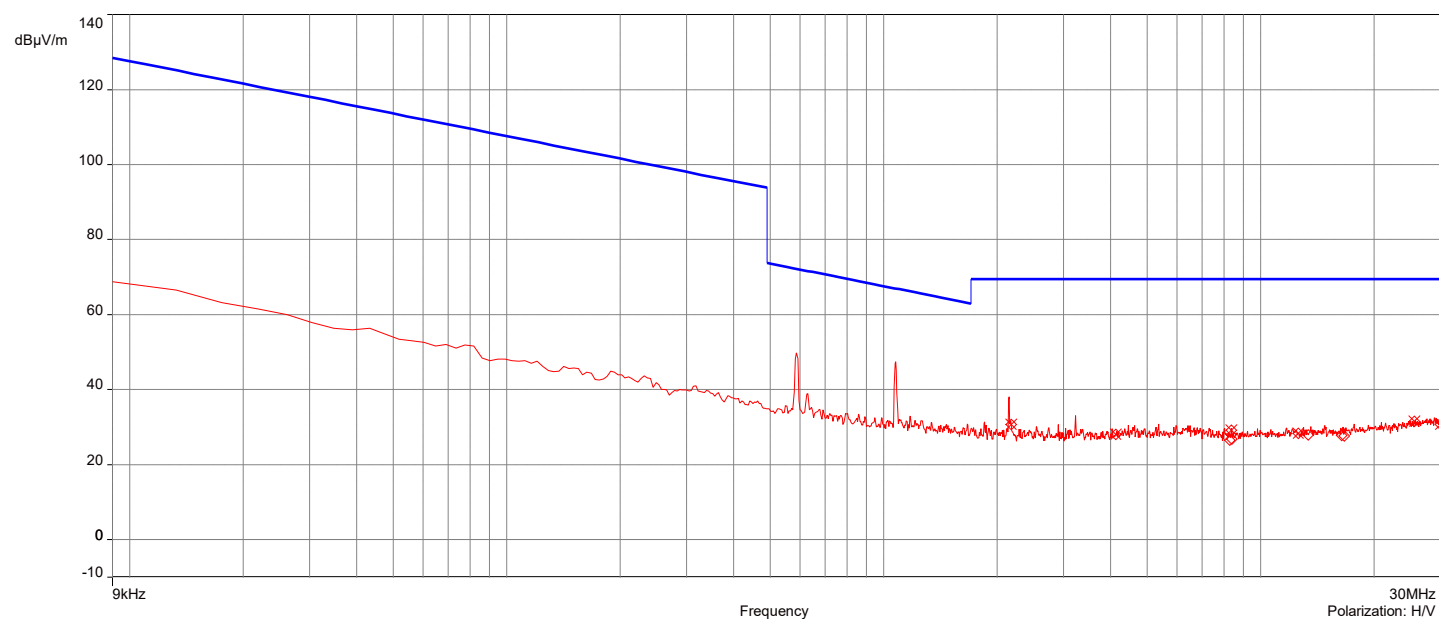


J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 40_9kHz-30MHz_Parallel

10/30/2023 7:55:25 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	30.73	19.20	69.54	-38.81	3.05	88.00	H/V	Passed
2.	4.126924MHz	28.04	19.41	69.54	-41.50	3.05	5.60	H/V	Passed
3.	8.364829MHz	29.25	19.32	69.54	-40.29	3.05	33.10	H/V	Passed
4.	12.577024MHz	28.41	19.77	69.54	-41.13	3.05	305.50	H/V	Passed
5.	25.560698MHz	31.53	21.17	69.54	-38.01	3.05	343.70	H/V	Passed
6.	30MHz	30.69	22.00	40.00	-9.31	3.05	174.10	H/V	Passed

Overall Graphs:

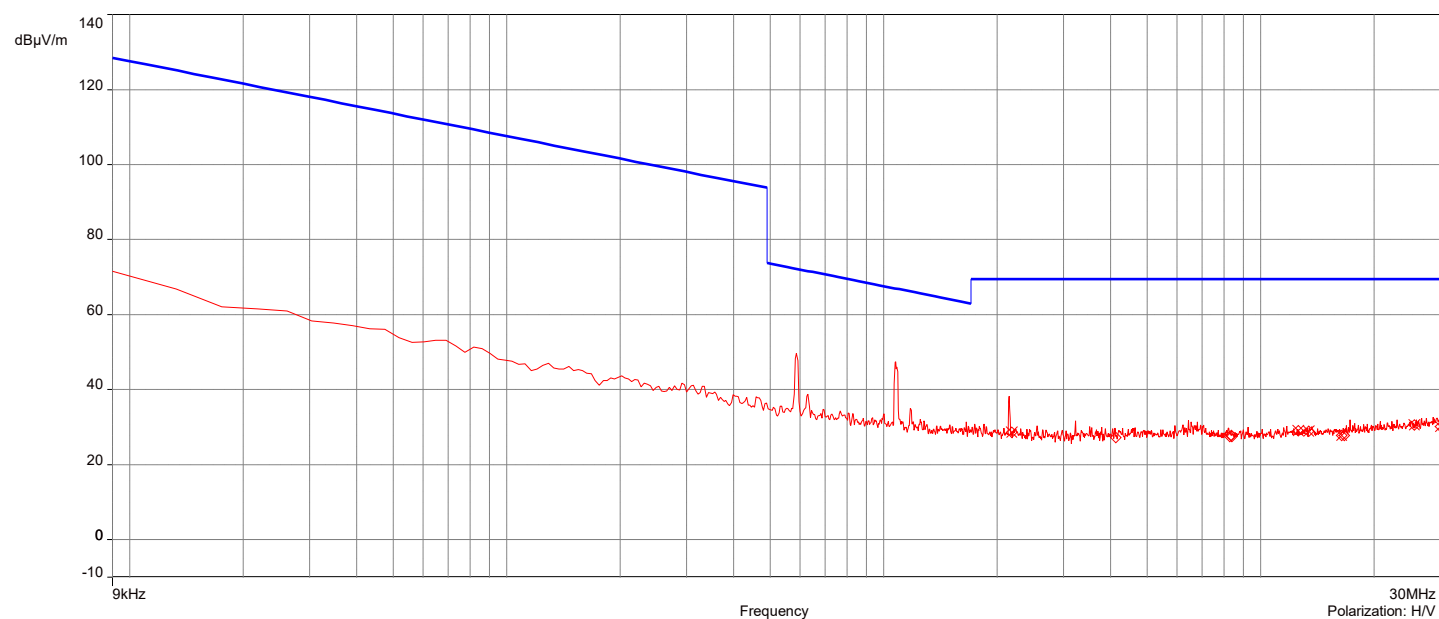


J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 157_9kHz-30MHz_Ground-Parallel

10/30/2023 7:57:47 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.190086MHz	28.60	19.21	69.54	-40.94	3.05	186.80	H/V	Passed
2.	12.577024MHz	29.05	19.77	69.54	-40.49	3.05	326.00	H/V	Passed
3.	13.404037MHz	28.89	19.83	69.54	-40.65	3.05	158.40	H/V	Passed
4.	16.420706MHz	27.84	19.97	69.54	-41.70	3.05	191.10	H/V	Passed
5.	25.543558MHz	30.56	21.17	69.54	-38.98	3.05	314.70	H/V	Passed
6.	30MHz	30.20	22.00	40.00	-9.80	3.05	171.60	H/V	Passed

Overall Graphs:

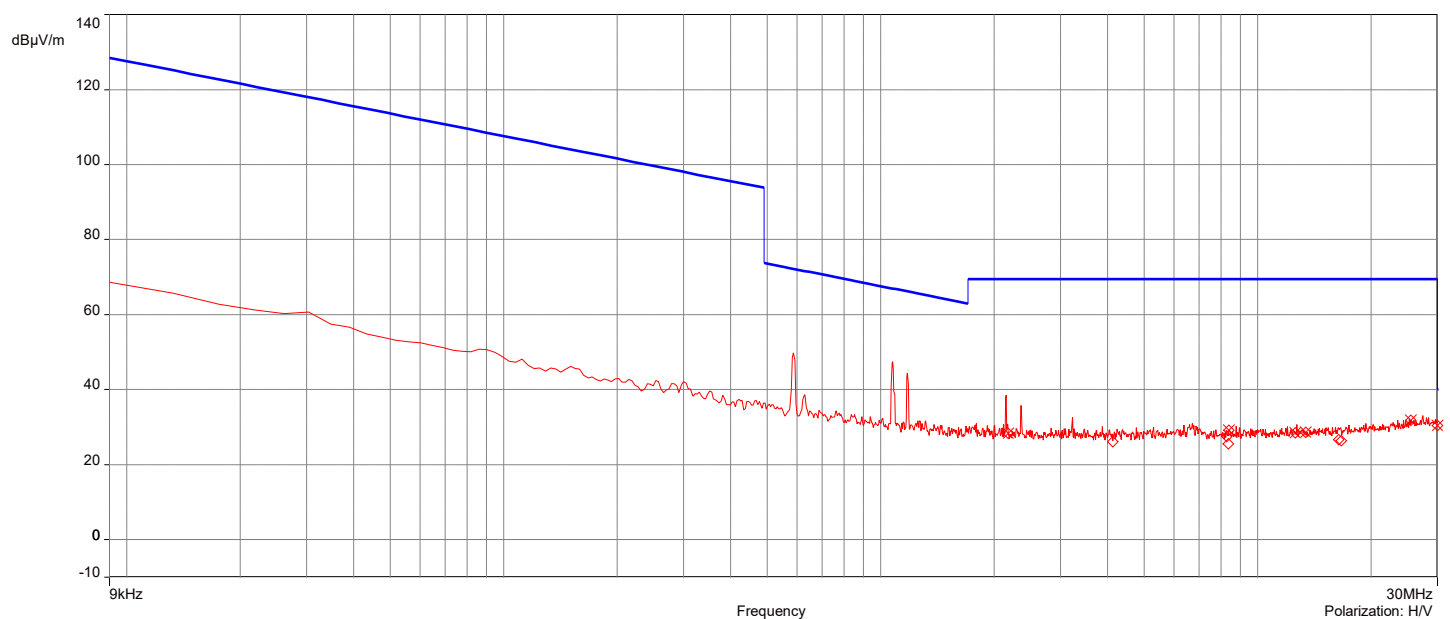


J23220_W300#1_5G UNII-3 802.11a_6Mbps_CH157_9kHz-30MHz_Perpendicular

10/30/2023 8:00:09 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	28.36	19.20	69.54	-41.18	3.05	12.00	H/V	Passed
2.	8.386255MHz	29.22	19.32	69.54	-40.32	3.05	206.40	H/V	Passed
3.	12.577024MHz	28.49	19.77	69.54	-41.05	3.05	259.00	H/V	Passed
4.	13.404037MHz	28.57	19.83	69.54	-40.97	3.05	165.10	H/V	Passed
5.	25.522132MHz	31.77	21.17	69.54	-37.77	3.05	210.80	H/V	Passed
6.	30MHz	30.42	22.00	40.00	-9.58	3.05	58.90	H/V	Passed

Overall Graphs:

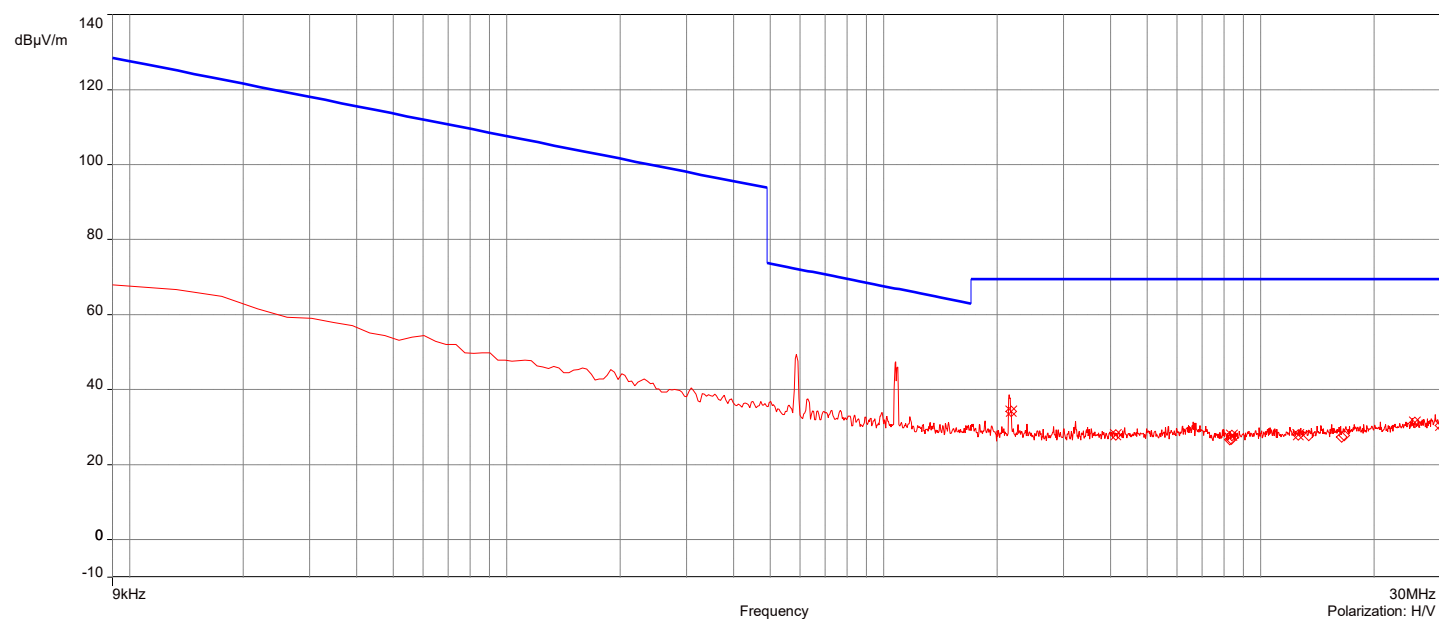


J23220_W300#1_5G UNII-3 802.11a_6Mbps_CH157_9kHz-30MHz_Parallel

10/30/2023 8:03:03 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	34.27	19.20	69.54	-35.27	3.05	281.50	H/V	Passed
2.	4.126924MHz	27.92	19.41	69.54	-41.62	3.05	227.80	H/V	Passed
3.	8.377685MHz	27.85	19.32	69.54	-41.69	3.05	266.40	H/V	Passed
4.	12.577024MHz	27.86	19.77	69.54	-41.68	3.05	81.50	H/V	Passed
5.	25.650684MHz	31.28	21.17	69.54	-38.26	3.05	169.10	H/V	Passed
6.	30MHz	30.48	22.00	40.00	-9.52	3.05	253.50	H/V	Passed

Overall Graphs:

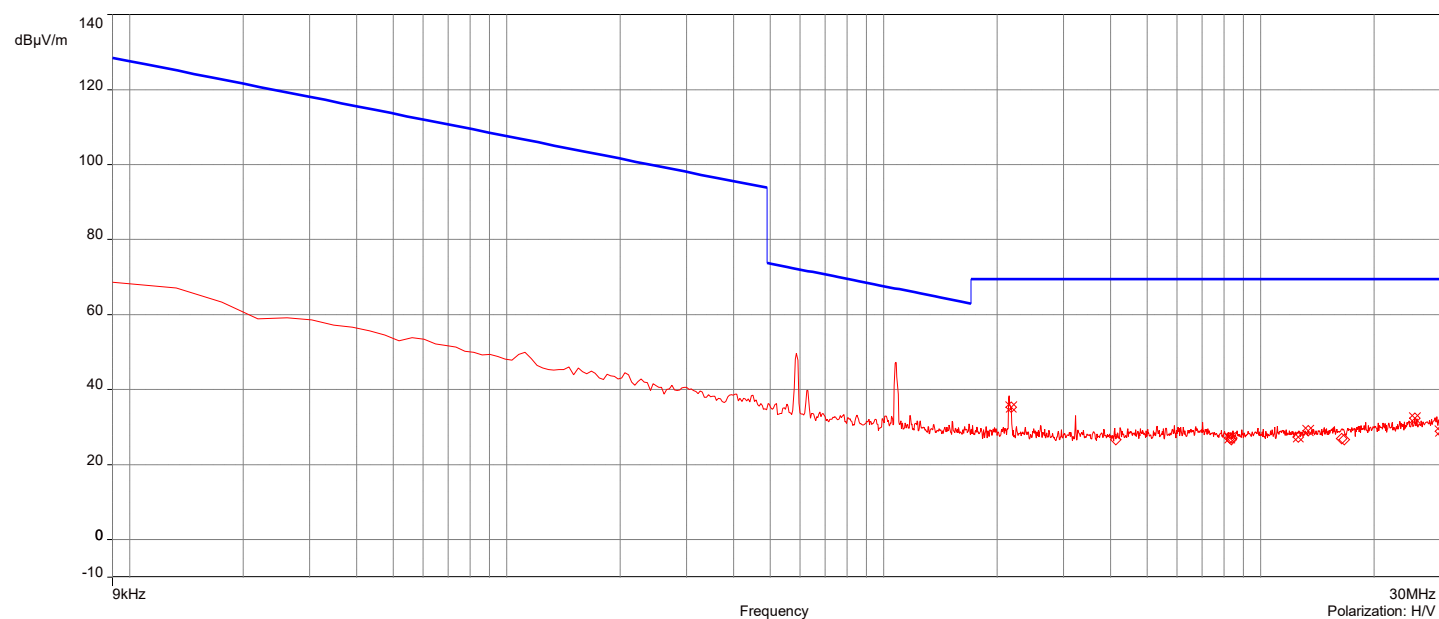


J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 157_9kHz-30MHz_Ground-Parallel

10/30/2023 8:05:20 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	35.33	19.20	69.54	-34.21	3.05	259.70	H/V	Passed
2.	8.291984MHz	27.15	19.32	69.54	-42.39	3.05	309.60	H/V	Passed
3.	12.577024MHz	27.37	19.77	69.54	-42.17	3.05	127.40	H/V	Passed
4.	13.391182MHz	29.05	19.83	69.54	-40.49	3.05	207.30	H/V	Passed
5.	25.650684MHz	32.34	21.17	69.54	-37.20	3.05	37.00	H/V	Passed
6.	30MHz	28.92	22.00	40.00	-11.08	3.05	64.60	H/V	Passed

Overall Graphs:

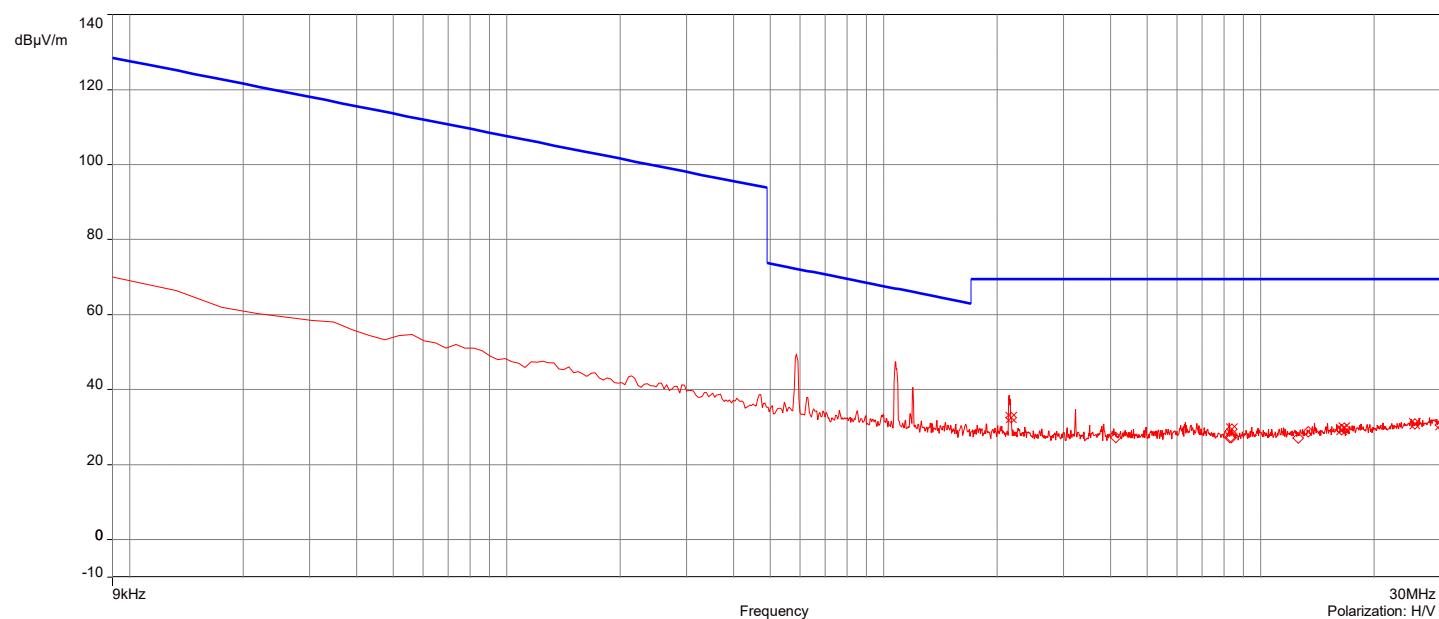


J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 157_9kHz-30MHz_Perpendicular

10/30/2023 8:07:36 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	32.50	19.20	69.54	-37.04	3.05	84.20	H/V	Passed
2.	8.386255MHz	29.40	19.32	69.54	-40.14	3.05	34.10	H/V	Passed
3.	16.420706MHz	29.25	19.97	69.54	-40.29	3.05	226.20	H/V	Passed
4.	16.694949MHz	29.77	20.01	69.54	-39.77	3.05	352.10	H/V	Passed
5.	25.624973MHz	30.92	21.17	69.54	-38.62	3.05	100.80	H/V	Passed
6.	30MHz	30.55	22.00	40.00	-9.45	3.05	145.60	H/V	Passed

Overall Graphs:

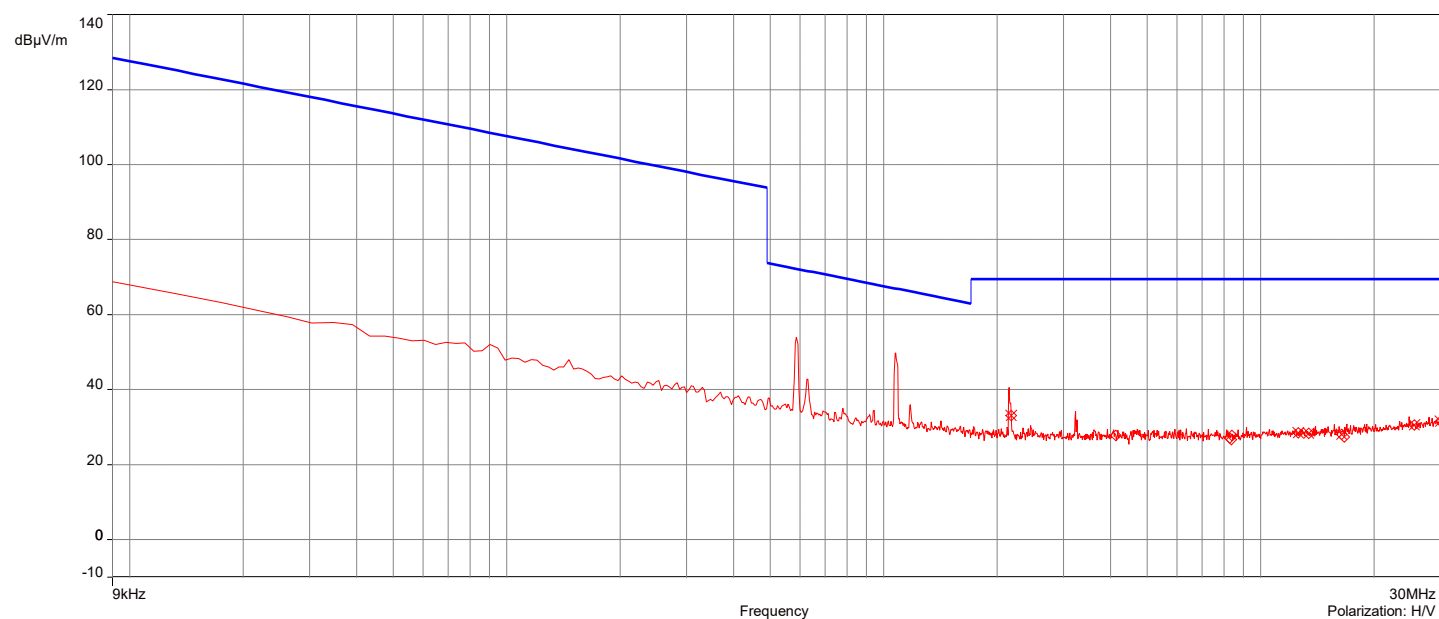


J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 157_9kHz-30MHz_Parallel

10/30/2023 8:10:41 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	33.08	19.20	69.54	-36.46	3.05	8.40	H/V	Passed
2.	12.577024MHz	28.51	19.77	69.54	-41.03	3.05	282.30	H/V	Passed
3.	13.404037MHz	28.29	19.83	69.54	-41.25	3.05	1.70	H/V	Passed
4.	16.420706MHz	28.06	19.97	69.54	-41.48	3.05	323.10	H/V	Passed
5.	25.582123MHz	30.58	21.17	69.54	-38.96	3.05	11.70	H/V	Passed
6.	30MHz	31.61	22.00	40.00	-8.39	3.05	164.10	H/V	Passed

Overall Graphs:

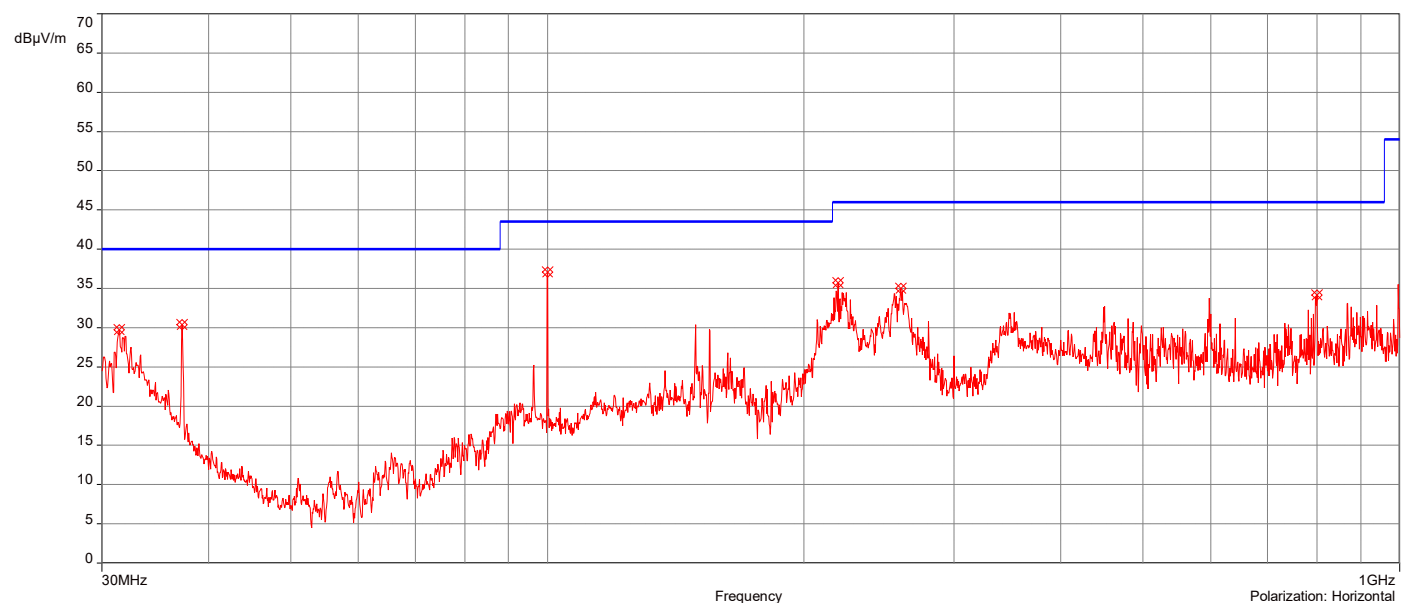


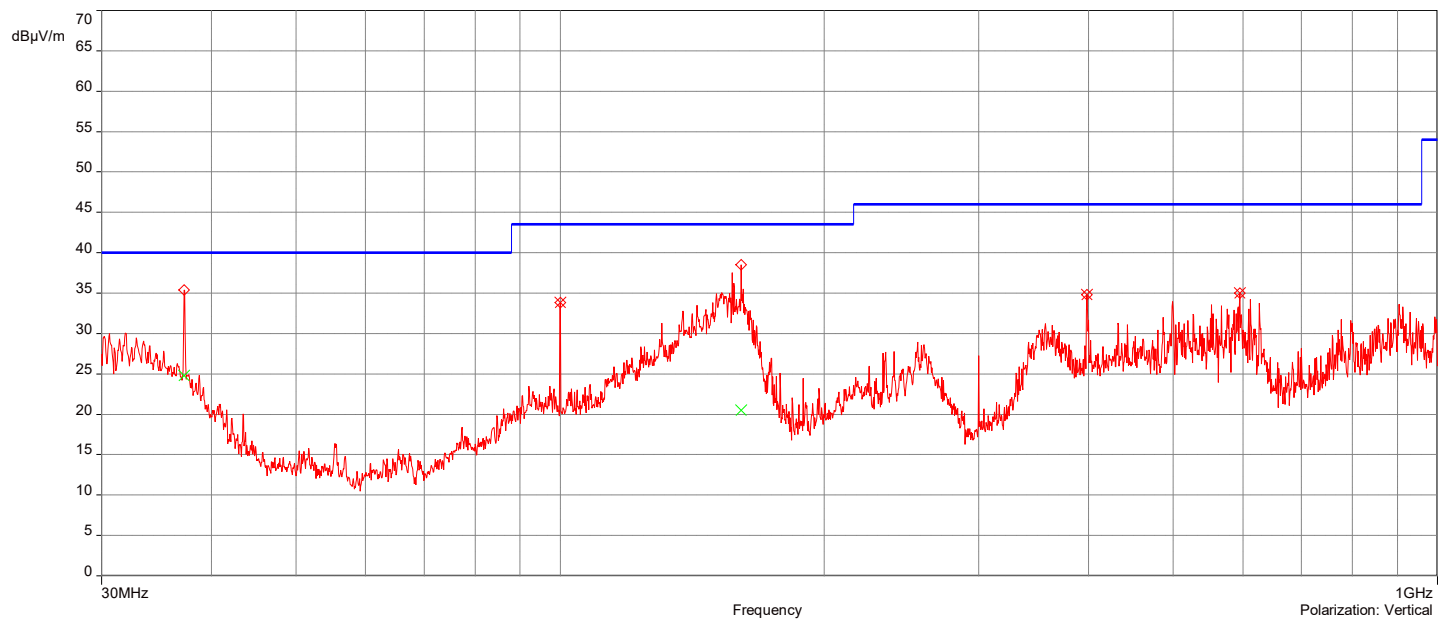
J23220_W300#1_5G UNII-1 802.11a_Ch 40_30MHz-1GHz

10/26/2023 3:04:37 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	37.246897MHz	24.82	-10.92	40.00	-15.18	1.25	339.90	Vertical	Passed
2.	100.01529MHz	33.85	-12.71	43.50	-9.65	3.25	80.40	Vertical	Passed
3.	160.78652MHz	20.47	-15.68	43.50	-23.03	1.00	251.10	Vertical	Passed
4.	398.27931MHz	34.78	-9.60	46.00	-11.22	1.50	358.90	Vertical	Passed
5.	595.37208MHz	34.99	-5.40	46.00	-11.01	1.00	357.20	Vertical	Passed
6.	31.426555MHz	29.73	-5.79	40.00	-10.27	1.25	256.10	Horizontal	Passed
7.	37.246897MHz	30.36	-9.02	40.00	-9.64	2.00	340.20	Horizontal	Passed
8.	100.01529MHz	37.06	-13.62	43.50	-6.44	2.75	49.80	Horizontal	Passed
9.	219.33231MHz	35.73	-14.26	46.00	-10.27	1.00	225.70	Horizontal	Passed
10.	259.96059MHz	35.01	-12.42	46.00	-10.99	1.00	260.10	Horizontal	Passed
11.	799.76881MHz	34.19	-1.37	46.00	-11.81	1.00	325.80	Horizontal	Passed

Overall Graphs:



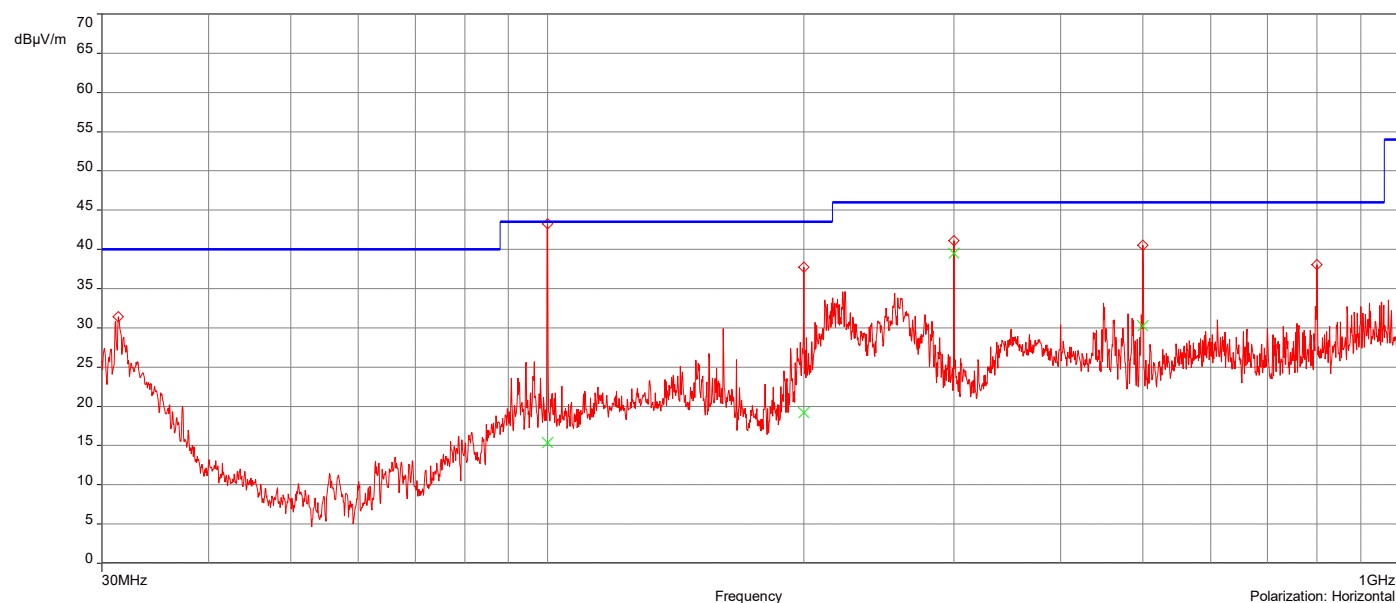


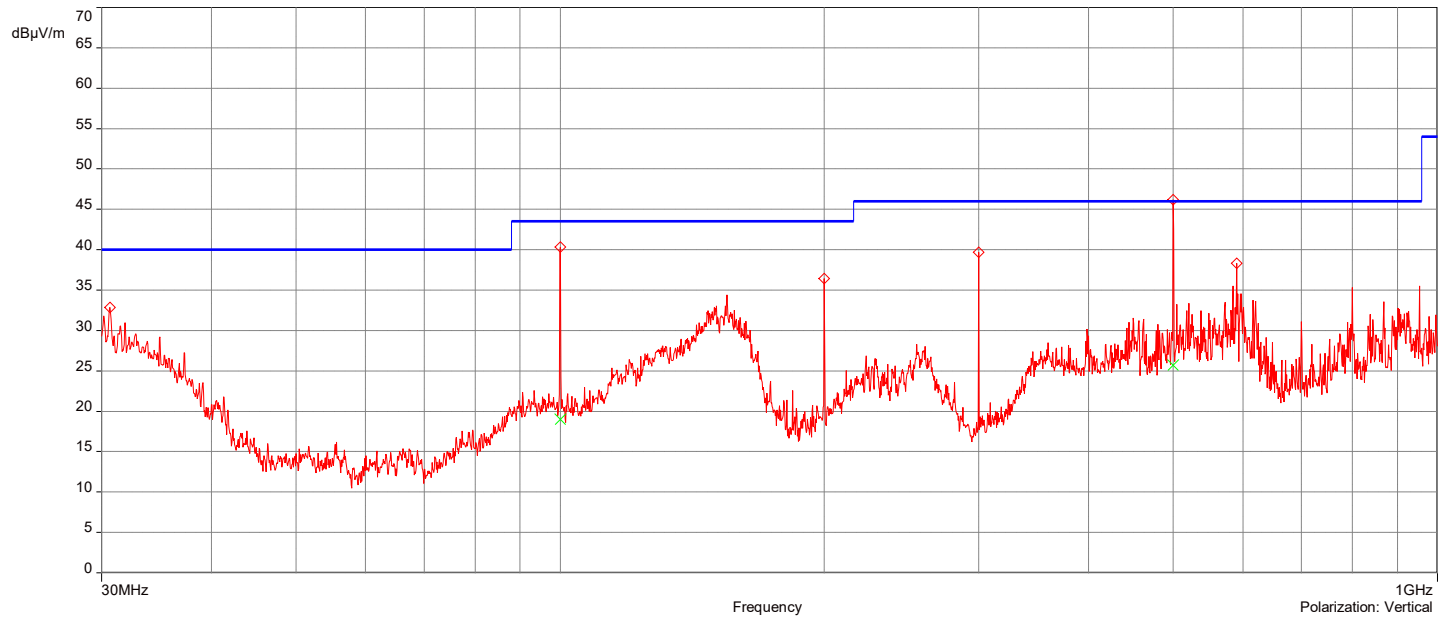
J23220_W300#1_5G UNII-1 802.11a_Ch 48_30MHz-1GHz

10/26/2023 3:33:32 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	100.01529MHz	19.00	-12.71	43.50	-24.50	1.00	227.10	Vertical	Passed
2.	500.02118MHz	25.67	-7.06	46.00	-20.33	1.00	212.10	Vertical	Passed
3.	100.01529MHz	15.37	-13.62	43.50	-28.13	3.50	0.10	Horizontal	Passed
4.	199.98824MHz	19.21	-14.50	43.50	-24.29	3.00	5.90	Horizontal	Passed
5.	300.01824MHz	39.49	-11.18	46.00	-6.51	1.75	174.90	Horizontal	Passed
6.	500.02118MHz	30.24	-6.26	46.00	-15.76	2.25	116.10	Horizontal	Passed

Overall Graphs:



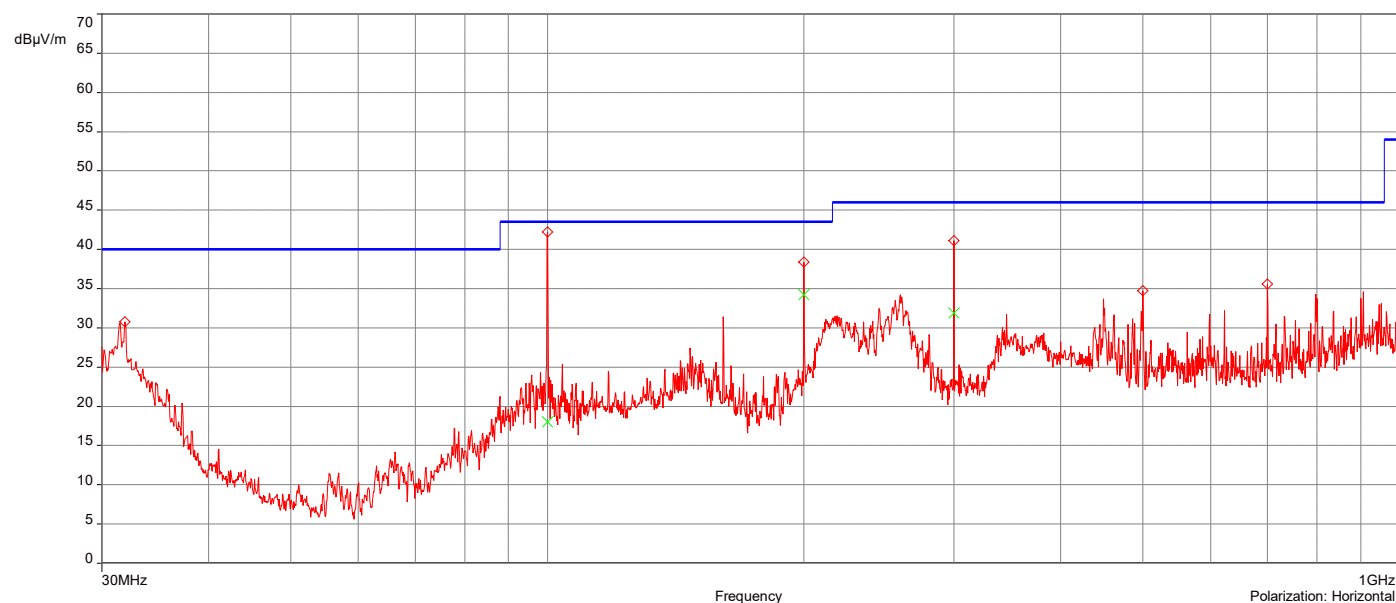


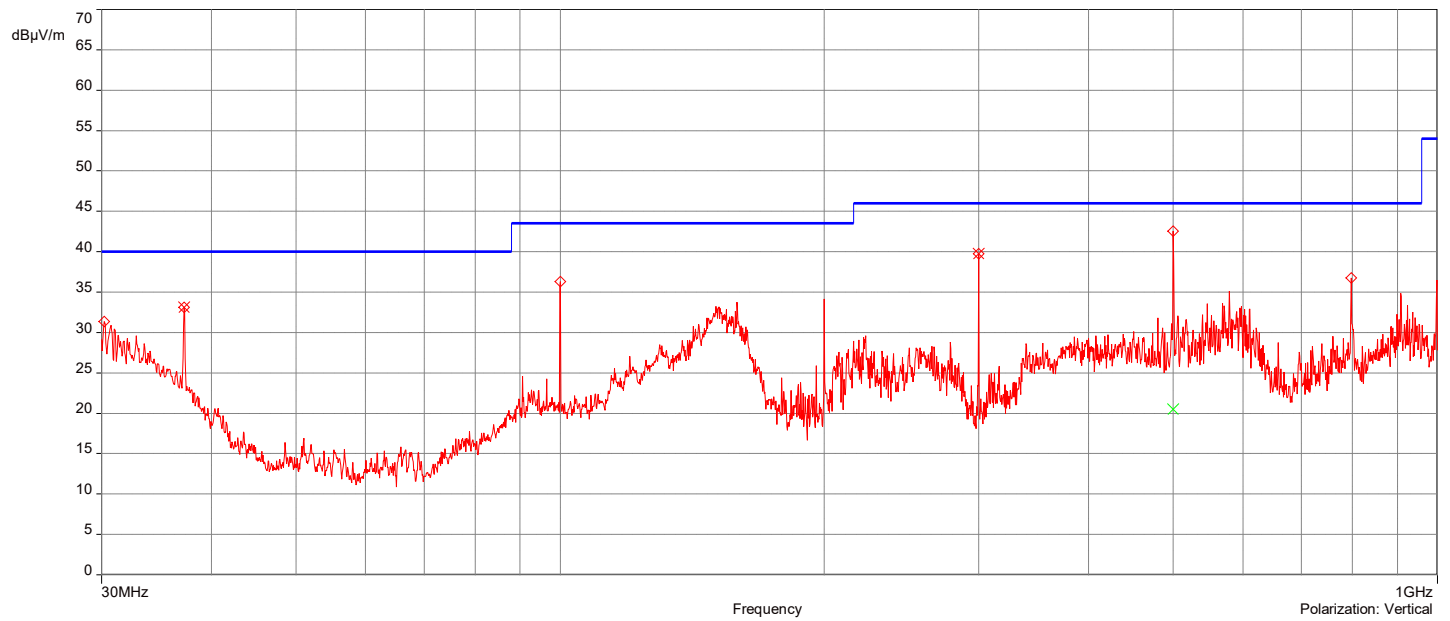
J23220_W300#1_5G UNII-1 802.11n_Ch 40_30MHz-1GHz

10/26/2023 4:02:22 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	37.246897MHz	33.14	-10.92	40.00	-6.86	1.25	339.90	Vertical	Passed
2.	300.01824MHz	39.72	-12.18	46.00	-6.28	1.25	146.60	Vertical	Passed
3.	500.02118MHz	20.53	-7.06	46.00	-25.47	1.25	146.90	Vertical	Passed
4.	100.01529MHz	18.04	-13.62	43.50	-25.46	3.75	343.90	Horizontal	Passed
5.	199.98824MHz	34.22	-14.50	43.50	-9.28	3.25	265.10	Horizontal	Passed
6.	299.96117MHz	31.91	-11.18	46.00	-14.09	3.25	271.90	Horizontal	Passed

Overall Graphs:



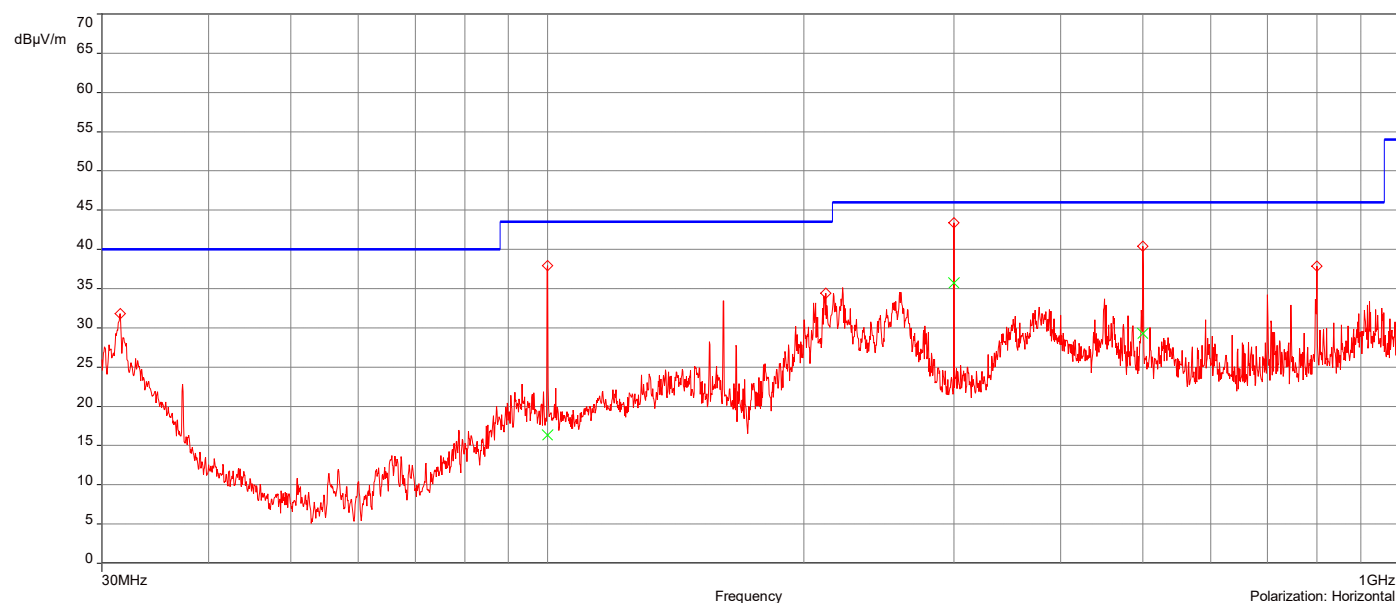


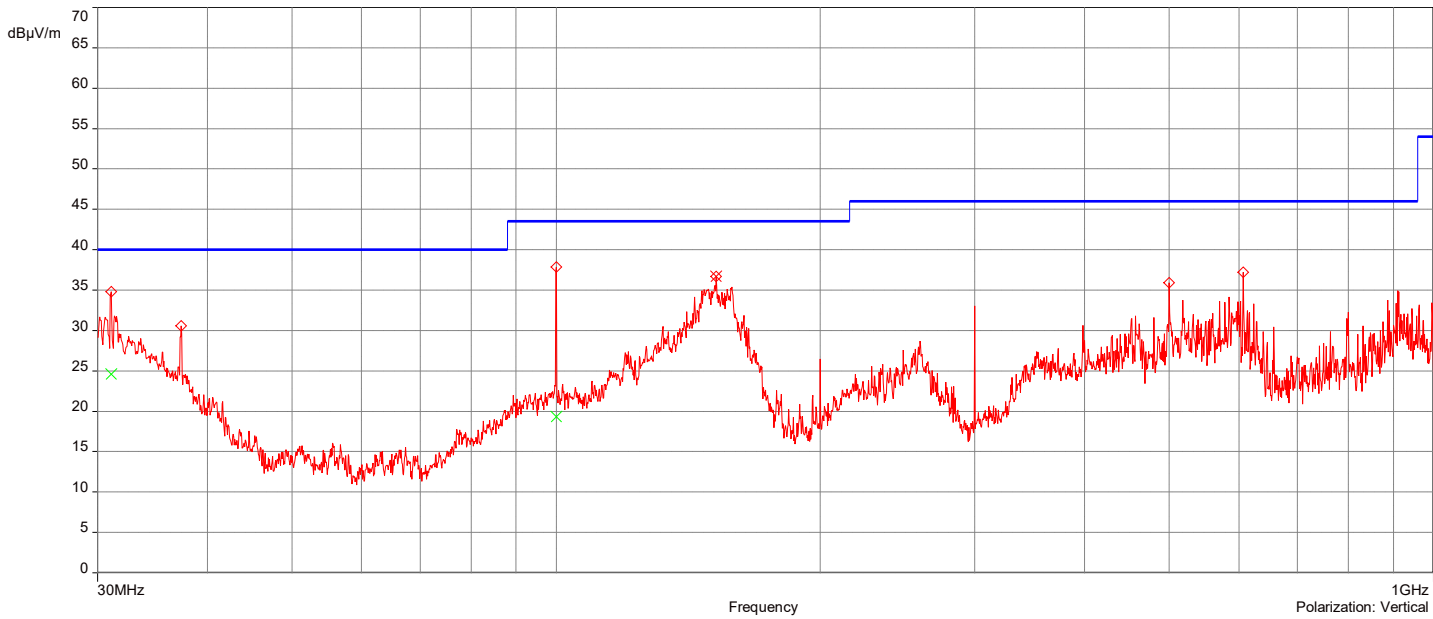
J23220_W300#1_5G UNII-1 802.11n_Ch 38_30MHz-1GHz

10/26/2023 4:37:34 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	31.084181MHz	24.59	-7.41	40.00	-15.41	1.05	340.10	Vertical	Passed
2.	100.01529MHz	19.35	-12.71	43.50	-24.15	2.75	69.10	Vertical	Passed
3.	152.17013MHz	36.68	-15.44	43.50	-6.82	1.25	286.30	Vertical	Passed
4.	100.01529MHz	16.33	-13.62	43.50	-27.17	1.75	342.90	Horizontal	Passed
5.	300.01824MHz	35.70	-11.18	46.00	-10.30	1.00	294.10	Horizontal	Passed
6.	500.02118MHz	29.25	-6.26	46.00	-16.75	2.25	44.10	Horizontal	Passed

Overall Graphs:



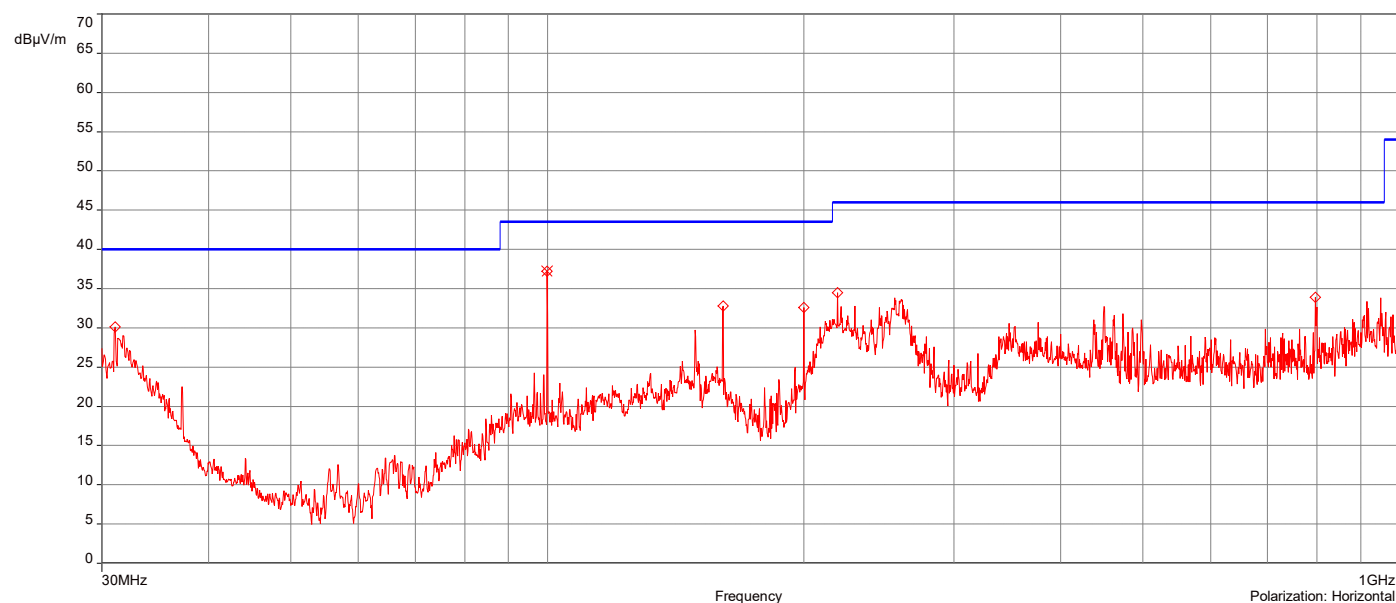


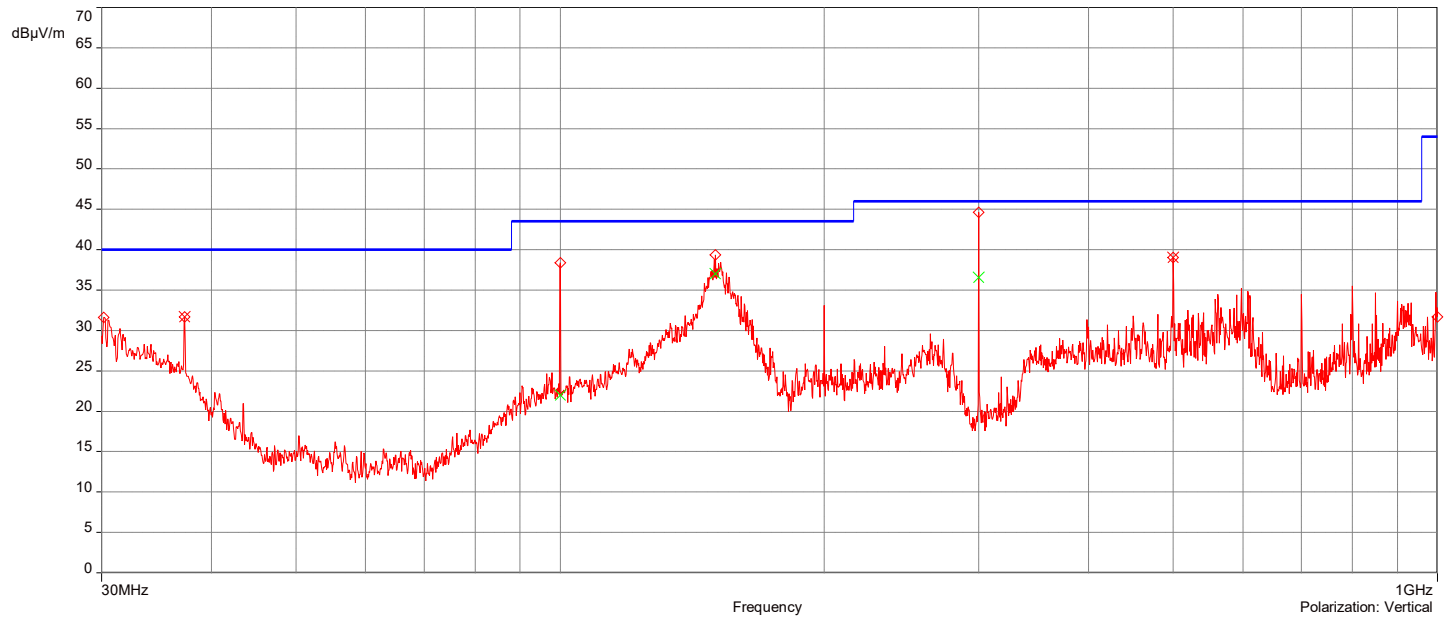
J23220_W300#1_5G UNII-1 802.11n_Ch 46_30MHz-1GHz

10/26/2023 5:09:04 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	37.303959MHz	31.68	-10.96	40.00	-8.32	2.50	346.00	Vertical	Passed
2.	100.01529MHz	21.97	-12.71	43.50	-21.53	2.00	271.90	Vertical	Passed
3.	150.23001MHz	36.99	-15.46	43.50	-6.51	1.50	287.90	Vertical	Passed
4.	300.01824MHz	36.57	-12.18	46.00	-9.43	1.50	287.90	Vertical	Passed
5.	500.02118MHz	39.02	-7.06	46.00	-6.98	2.25	198.90	Vertical	Passed
6.	99.901171MHz	37.20	-13.63	43.50	-6.30	3.50	0.10	Horizontal	Passed

Overall Graphs:



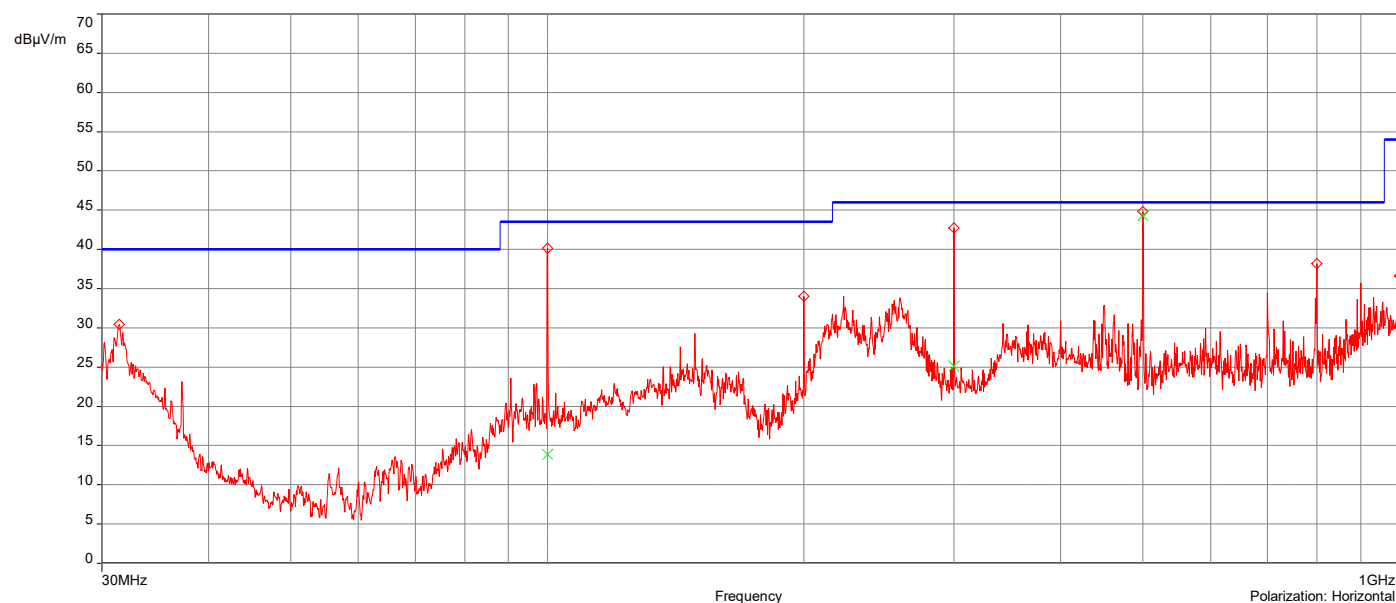


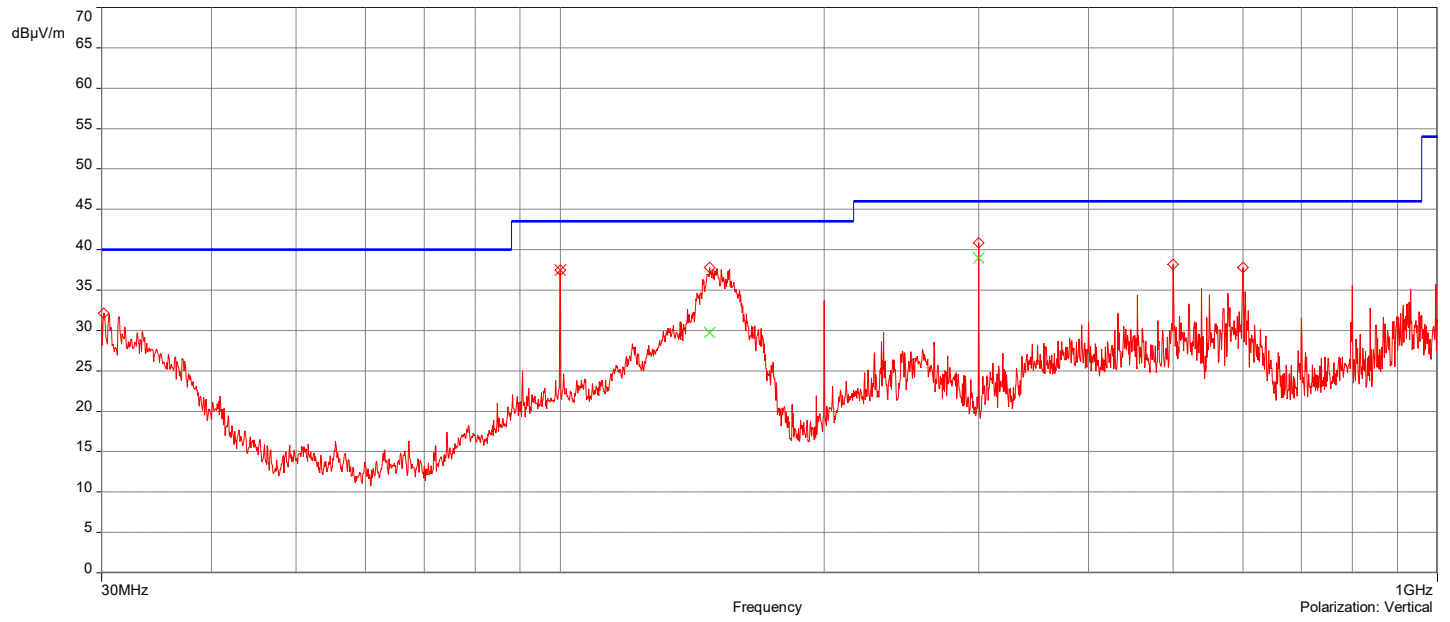
J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 149_30MHz-1GHz

10/26/2023 5:39:25 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	100.01529MHz	37.45	-12.71	43.50	-6.05	2.00	312.40	Vertical	Passed
2.	148.00459MHz	29.72	-15.30	43.50	-13.78	1.25	256.10	Vertical	Passed
3.	299.96117MHz	38.95	-12.18	46.00	-7.05	1.75	353.90	Vertical	Passed
4.	100.01529MHz	13.86	-13.62	43.50	-29.64	2.50	354.20	Horizontal	Passed
5.	300.01824MHz	25.09	-11.18	46.00	-20.91	3.50	250.00	Horizontal	Passed
6.	500.02118MHz	44.32	-6.26	46.00	-1.68	2.25	104.10	Horizontal	Passed

Overall Graphs:



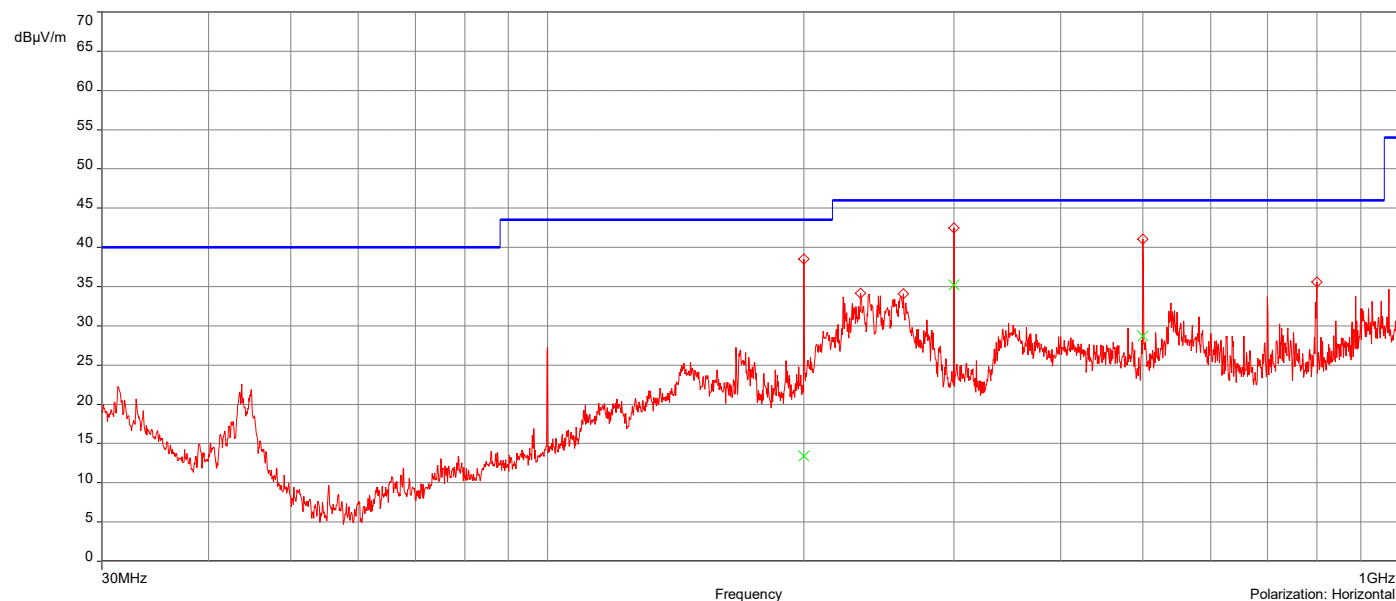


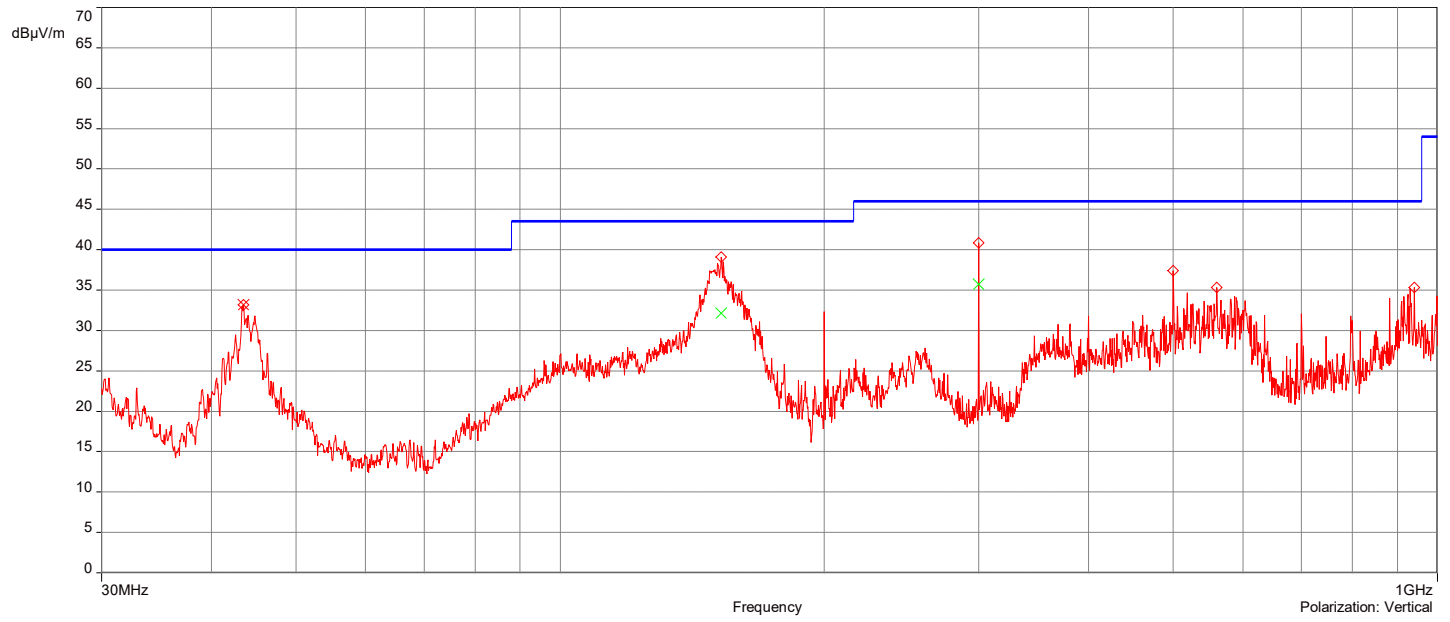
J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 157_30MHz-1GHz

10/26/2023 6:07:31 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	43.523737MHz	33.20	-14.73	40.00	-6.80	1.00	279.00	Vertical	Passed
2.	152.62662MHz	32.12	-15.43	43.50	-11.38	1.00	318.90	Vertical	Passed
3.	300.01824MHz	35.69	-12.18	46.00	-10.31	4.00	171.10	Vertical	Passed
4.	199.98824MHz	13.40	-14.50	43.50	-30.10	2.25	325.90	Horizontal	Passed
5.	300.01824MHz	35.20	-11.18	46.00	-10.80	3.25	291.10	Horizontal	Passed
6.	500.02118MHz	28.67	-6.26	46.00	-17.33	2.25	344.90	Horizontal	Passed

Overall Graphs:



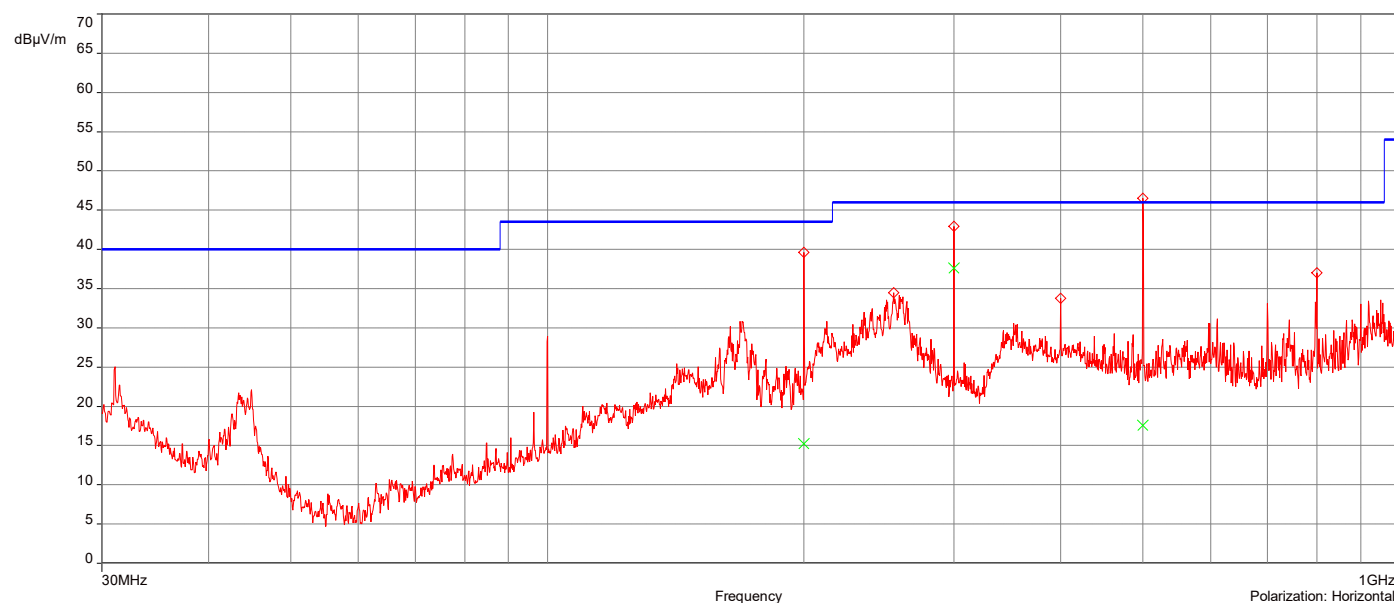


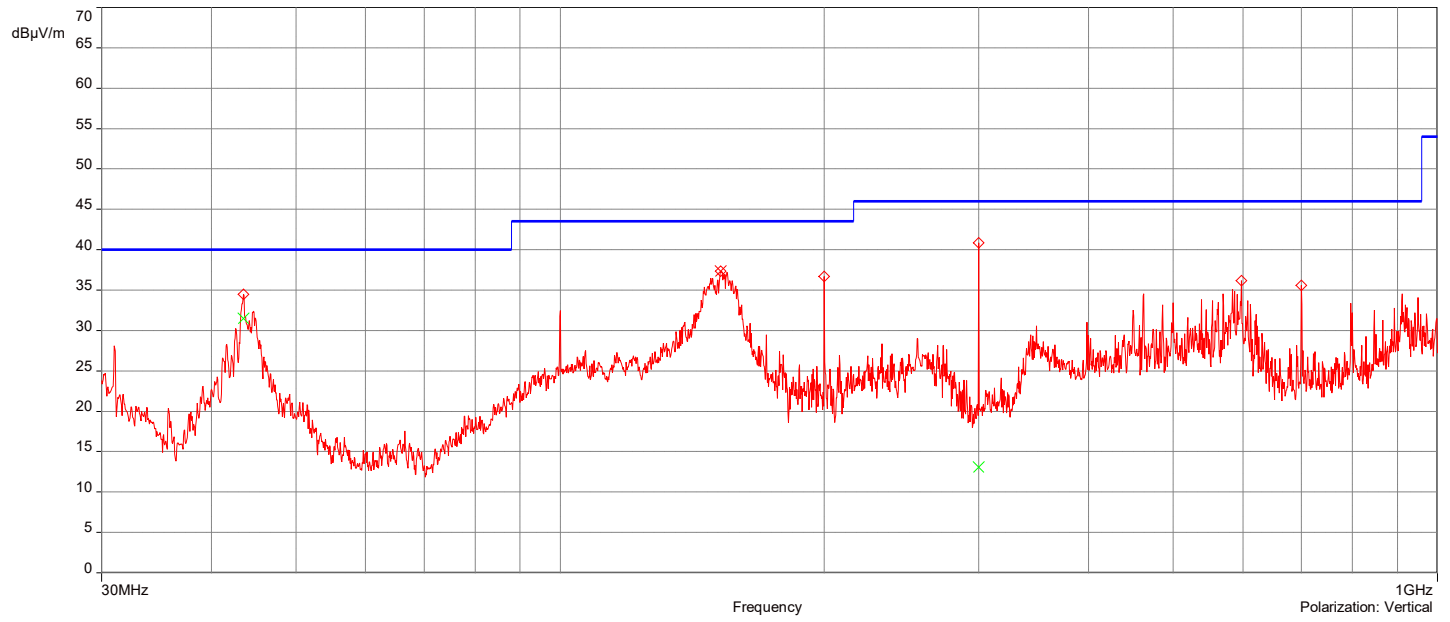
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 149_30MHz-1GHz

10/26/2023 6:37:45 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	43.523737MHz	31.50	-14.73	40.00	-8.50	1.00	288.90	Vertical	Passed
2.	152.45544MHz	37.32	-15.43	43.50	-6.18	1.25	298.50	Vertical	Passed
3.	300.01824MHz	13.10	-12.18	46.00	-32.90	4.00	180.90	Vertical	Passed
4.	199.98824MHz	15.23	-14.50	43.50	-28.27	3.50	59.10	Horizontal	Passed
5.	300.01824MHz	37.59	-11.18	46.00	-8.41	1.00	145.90	Horizontal	Passed
6.	500.02118MHz	17.57	-6.26	46.00	-28.43	2.25	103.10	Horizontal	Passed

Overall Graphs:



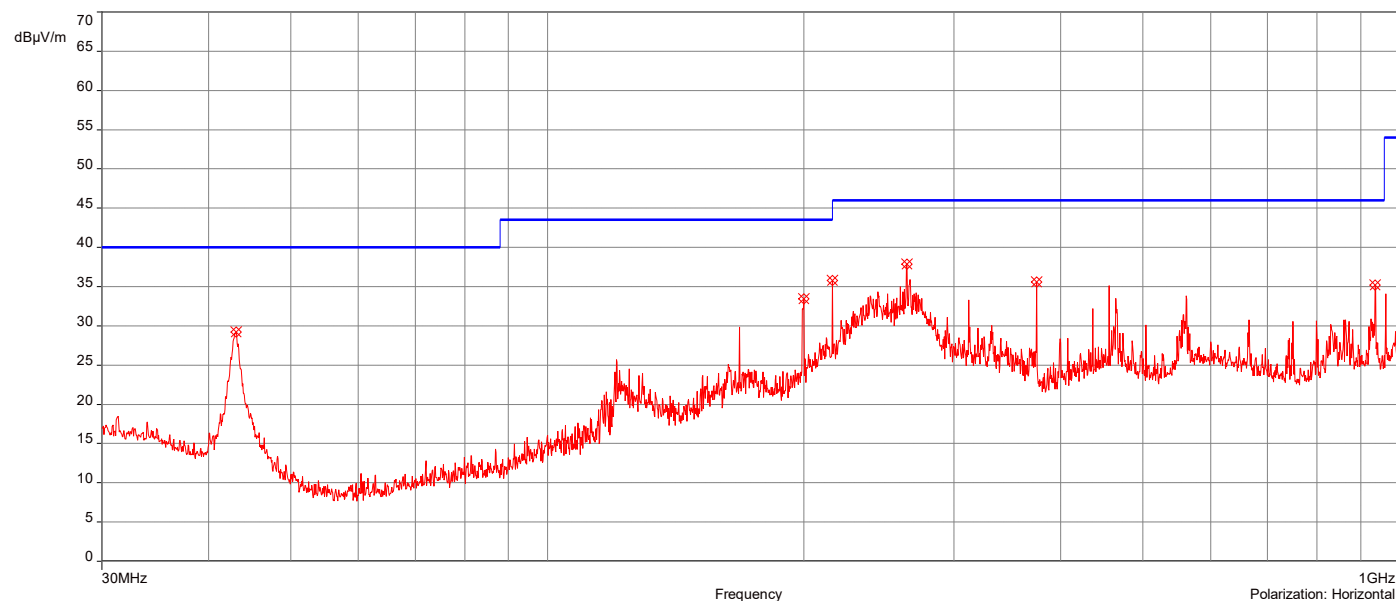


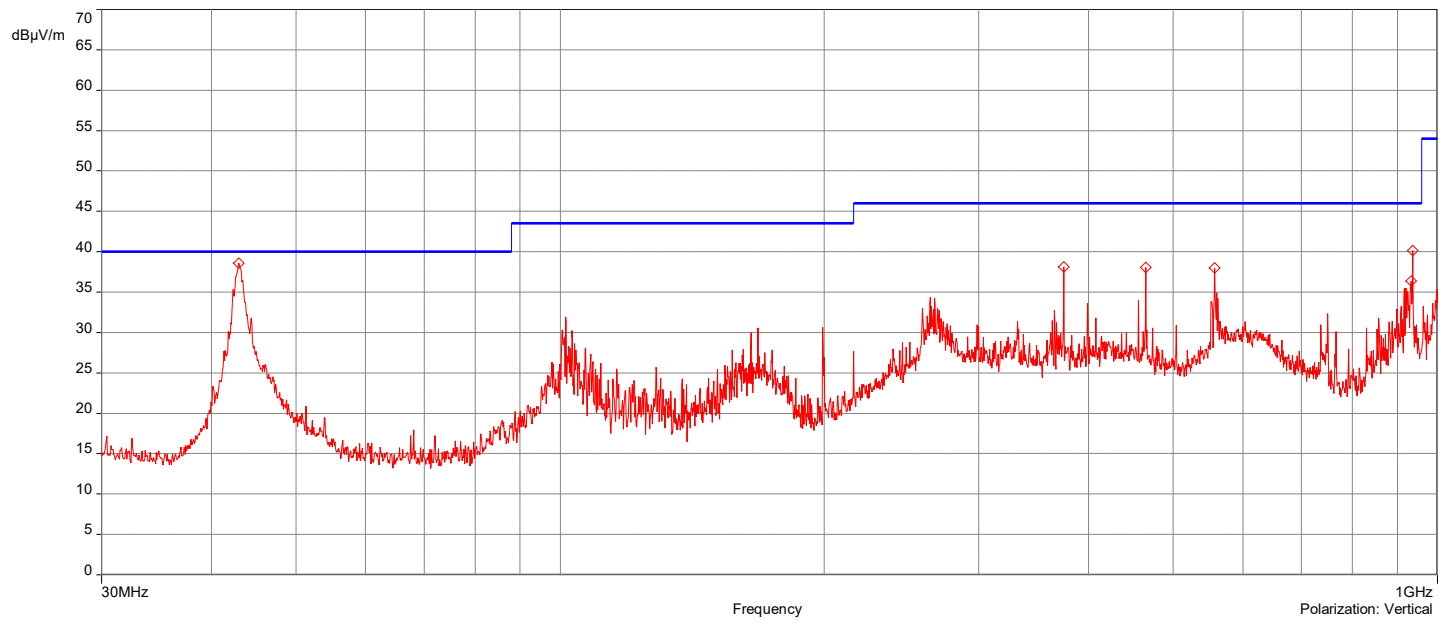
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 157_30MHz-1GHz

11/13/2023 6:19:10 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	43.124301MHz	29.21	-12.75	40.00	-10.79	4.00	3.80	Horizontal	Passed
2.	199.87411MHz	33.47	-14.55	43.50	-10.03	1.25	358.90	Horizontal	Passed
3.	215.96564MHz	35.79	-13.90	43.50	-7.71	1.25	357.50	Horizontal	Passed
4.	264.012MHz	37.87	-12.29	46.00	-8.13	1.25	0.90	Horizontal	Passed
5.	374.99794MHz	35.57	-9.32	46.00	-10.43	1.00	4.60	Horizontal	Passed
6.	936.26154MHz	35.20	-0.09	46.00	-10.80	2.25	177.30	Horizontal	Passed

Overall Graphs:



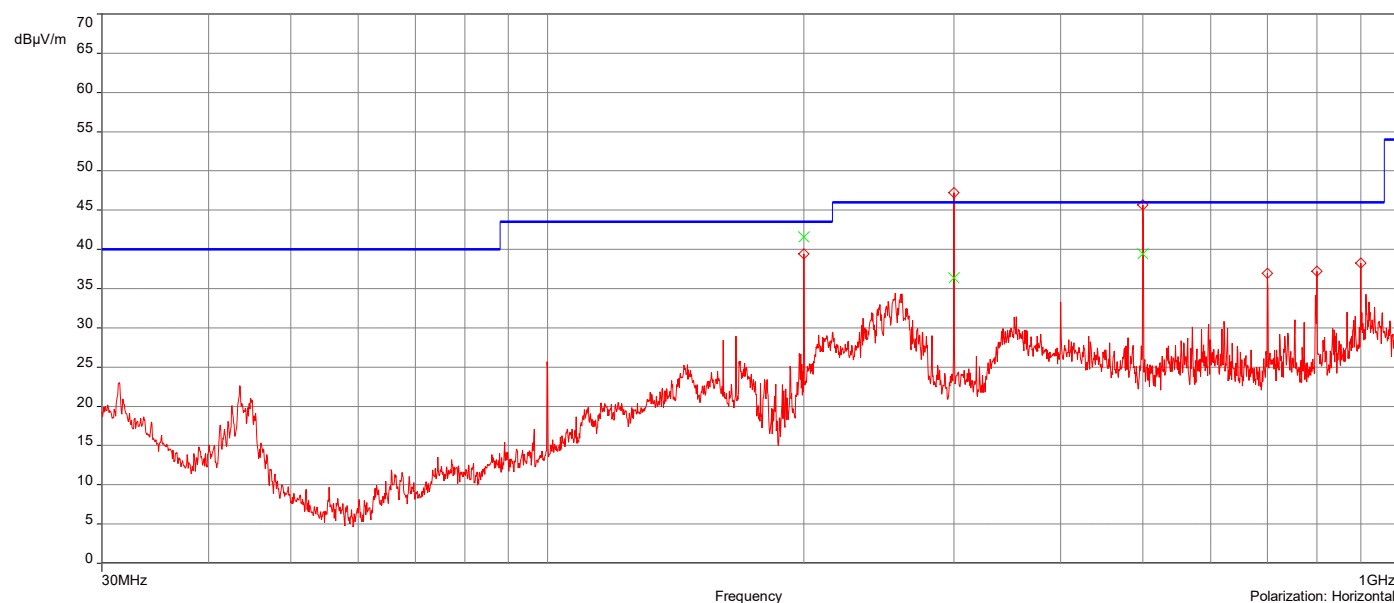


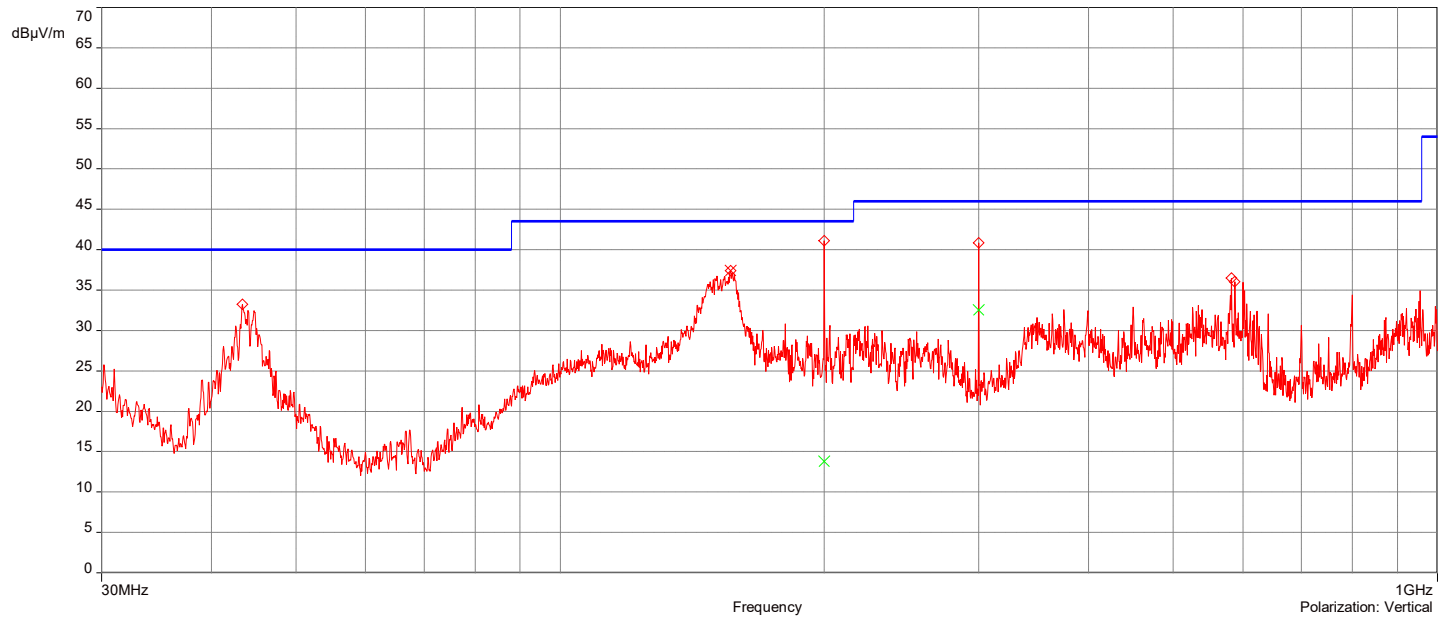
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 151_30MHz-1GHz

10/26/2023 7:55:56 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	156.33567MHz	37.43	-15.50	43.50	-6.07	1.25	311.70	Vertical	Passed
2.	199.98824MHz	13.82	-15.30	43.50	-29.68	1.75	219.10	Vertical	Passed
3.	299.96117MHz	32.51	-12.18	46.00	-13.49	1.75	219.10	Vertical	Passed
4.	199.98824MHz	41.56	-14.50	43.50	-1.94	1.25	269.90	Horizontal	Passed
5.	300.01824MHz	36.36	-11.18	46.00	-9.64	1.25	272.90	Horizontal	Passed
6.	500.02118MHz	39.43	-6.26	46.00	-6.57	1.50	357.90	Horizontal	Passed

Overall Graphs:



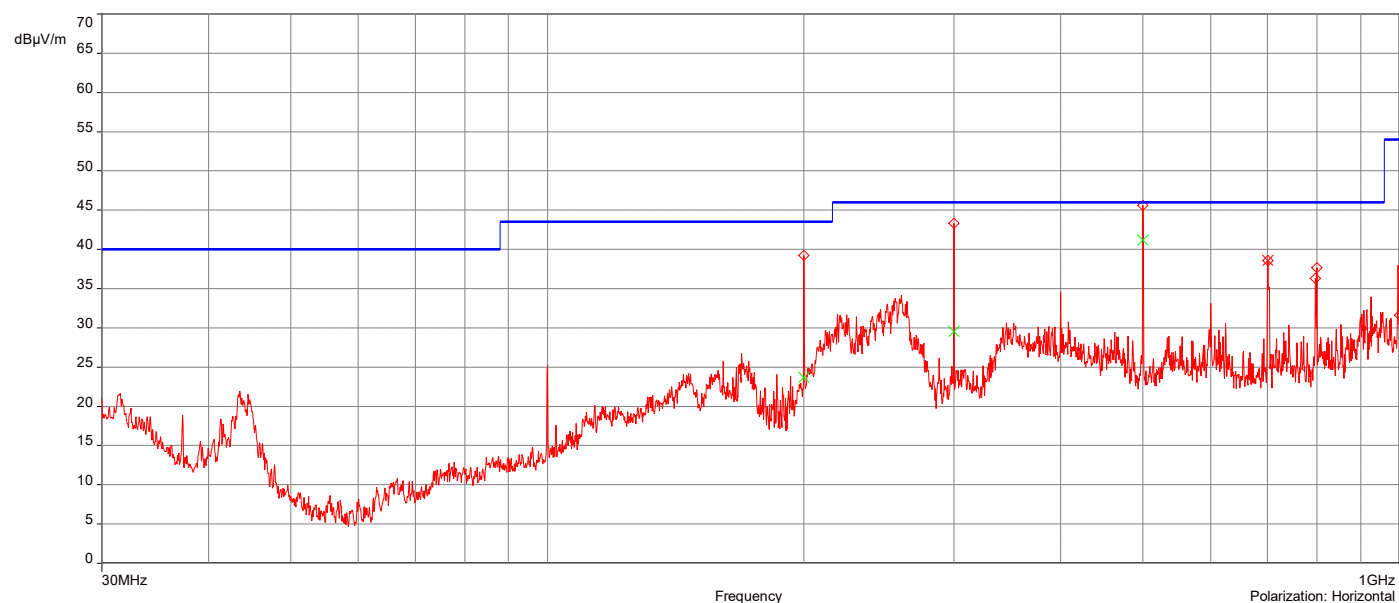


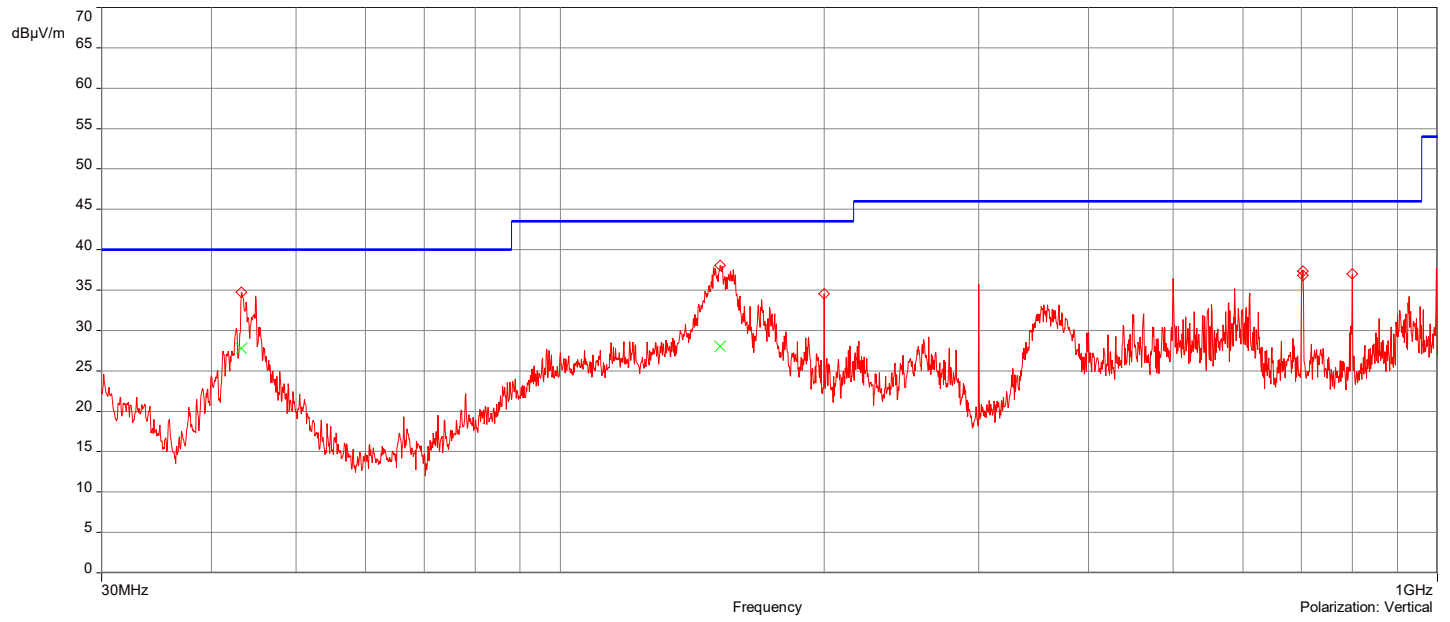
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 159_30MHz-1GHz

10/26/2023 8:26:26 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	43.295488MHz	27.79	-14.63	40.00	-12.21	1.25	292.10	Vertical	Passed
2.	152.22719MHz	28.06	-15.59	43.50	-15.44	1.25	301.90	Vertical	Passed
3.	199.98824MHz	23.69	-14.65	43.50	-19.81	1.75	265.10	Horizontal	Passed
4.	299.96117MHz	29.54	-11.38	46.00	-16.46	1.75	270.90	Horizontal	Passed
5.	500.02118MHz	41.15	-6.55	46.00	-4.85	2.25	57.10	Horizontal	Passed
6.	700.76593MHz	38.60	-3.02	46.00	-7.40	1.00	307.80	Horizontal	Passed

Overall Graphs:





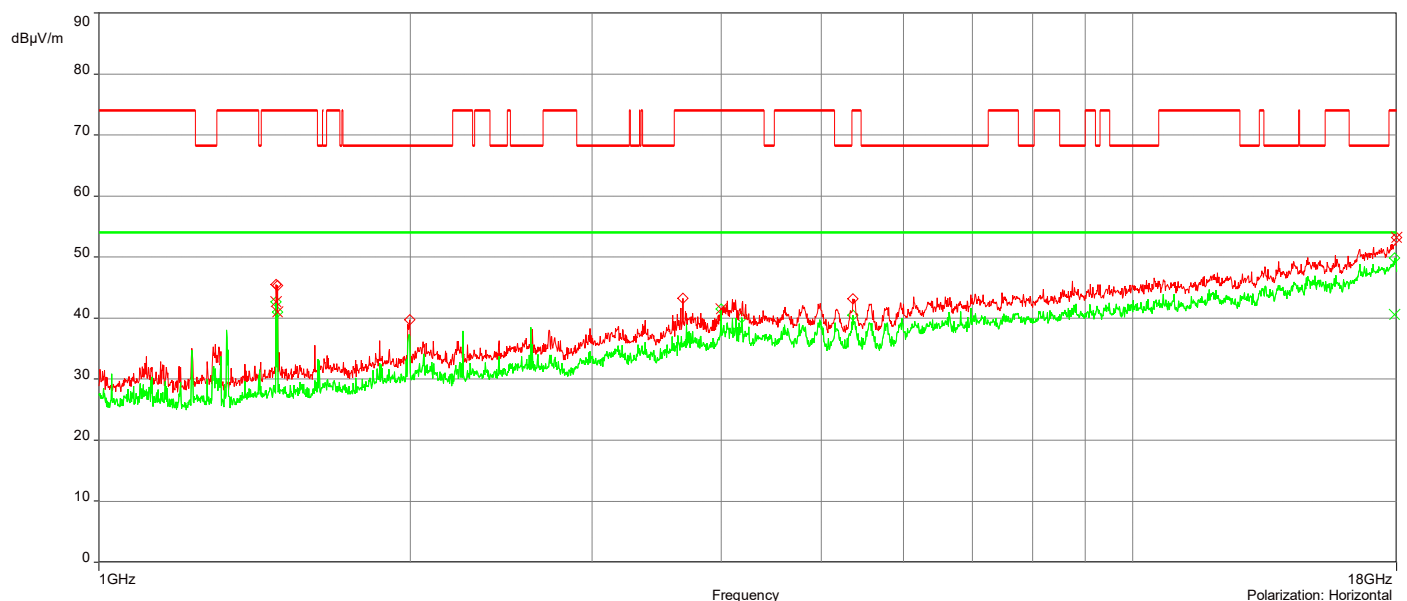
J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_1-18GHz

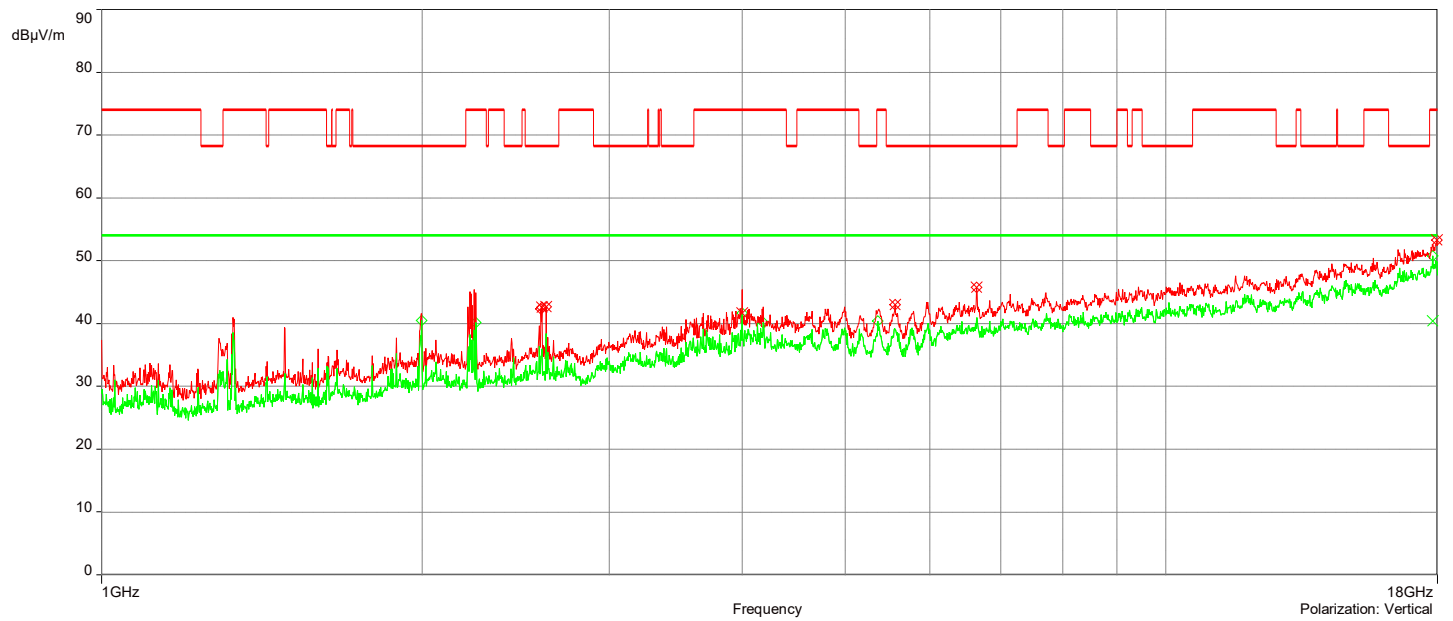
10/19/2023 8:36:39 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.5945469GHz	42.60	-1.00	68.23	-25.63	3.50	87.50	Vertical	Passed
2.	2.6165475GHz	42.67	-0.96	68.23	-25.56	2.00	307.20	Vertical	Passed
3.	5.5696344GHz	42.96	6.46	68.23	-25.27	1.00	0	Vertical	Passed
4.	6.6386658GHz	45.77	7.24	68.23	-22.46	4.00	5.60	Vertical	Passed
5.	17.988GHz	53.26	19.60	74.00	-20.74	1.50	213.40	Vertical	Passed
6.	17.9925GHz	53.22	19.66	74.00	-20.78	2.00	222.30	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	3.9980882GHz	41.64	2.96	54.00	-12.36	3.00	172.80	Vertical	Passed
2.	17.818995GHz	40.39	18.12	54.00	-13.61	2.50	166.90	Vertical	Passed
3.	1.4845142GHz	42.65	-6.21	54.00	-11.35	4.00	122.30	Horizontal	Passed
4.	1.4885144GHz	41.02	-6.13	54.00	-12.98	4.00	122.30	Horizontal	Passed
5.	3.9980882GHz	41.49	2.80	54.00	-12.51	3.00	359.90	Horizontal	Passed
6.	17.927998GHz	40.61	18.77	54.00	-13.39	3.00	0.10	Horizontal	Passed

Overall Graphs:





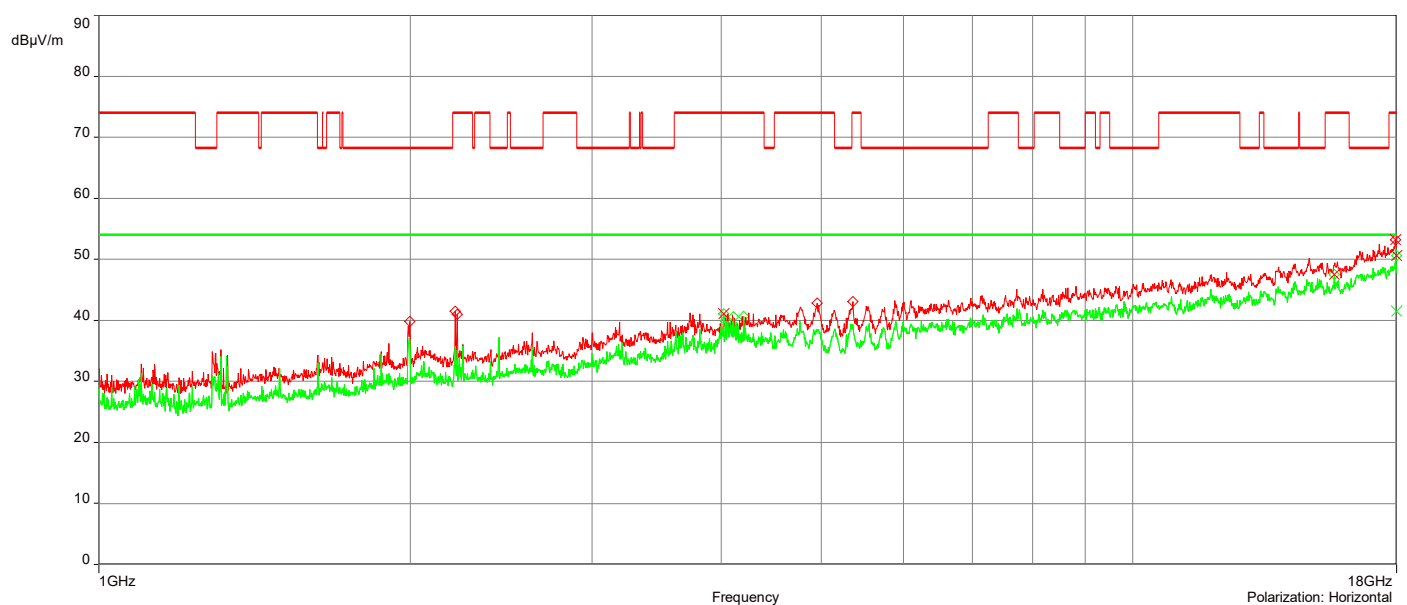
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 40_1-18GHz

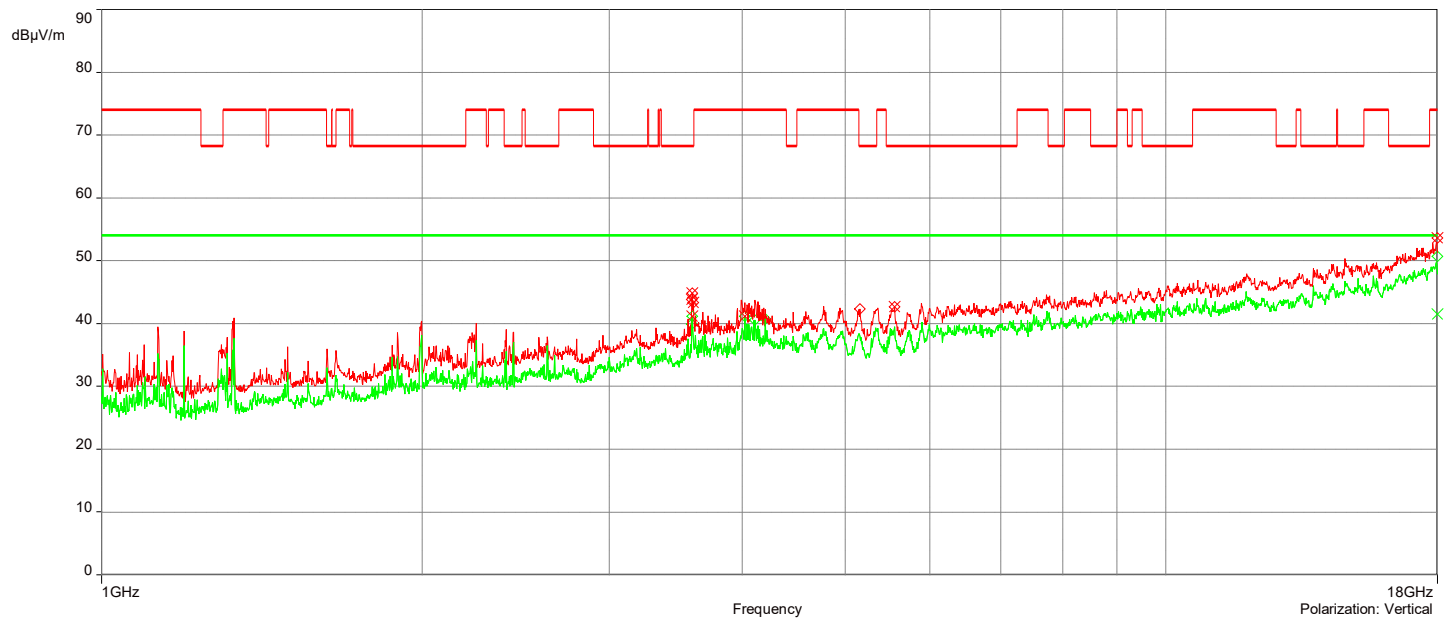
11/2/2023 7:38:52 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	3.585076GHz	43.85	1.73	68.23	-24.38	1.50	284.80	Vertical	Passed
2.	3.5915762GHz	44.83	1.77	68.23	-23.40	1.50	284.80	Vertical	Passed
3.	3.5970764GHz	43.37	1.80	68.23	-24.86	1.50	284.80	Vertical	Passed
4.	5.5621342GHz	42.63	6.48	68.23	-25.60	3.00	13.20	Vertical	Passed
5.	17.9985GHz	53.66	19.87	74.00	-20.34	1.50	212.70	Vertical	Passed
6.	17.957499GHz	53.23	19.09	74.00	-20.77	2.50	183.00	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.0230889GHz	41.13	2.98	54.00	-12.87	4.00	292.20	Vertical	Passed
2.	17.9955GHz	41.51	19.80	54.00	-12.49	4.00	347.10	Vertical	Passed
3.	4.0230889GHz	41.04	2.89	54.00	-12.96	4.00	0	Horizontal	Passed
4.	15.669931GHz	47.54	14.94	54.00	-6.46	4.00	0	Horizontal	Passed
5.	17.9955GHz	50.60	19.74	54.00	-12.49	4.00	230.90	Horizontal	Passed

Overall Graphs:





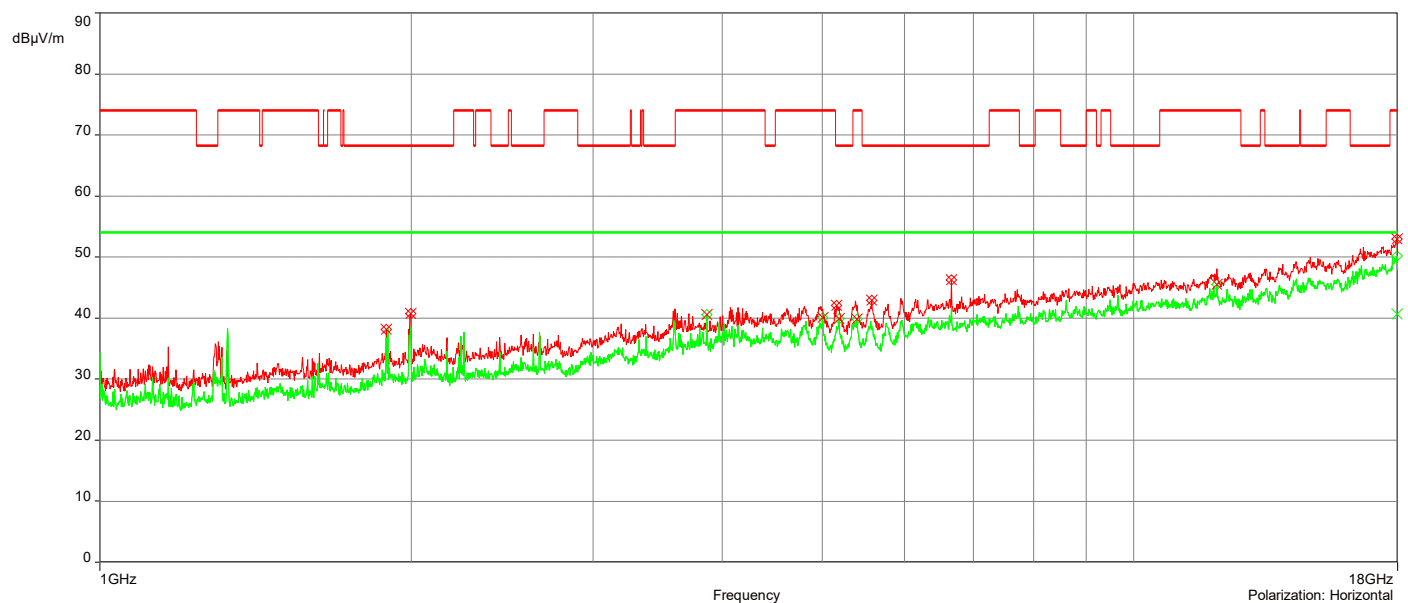
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 48_1-18GHz

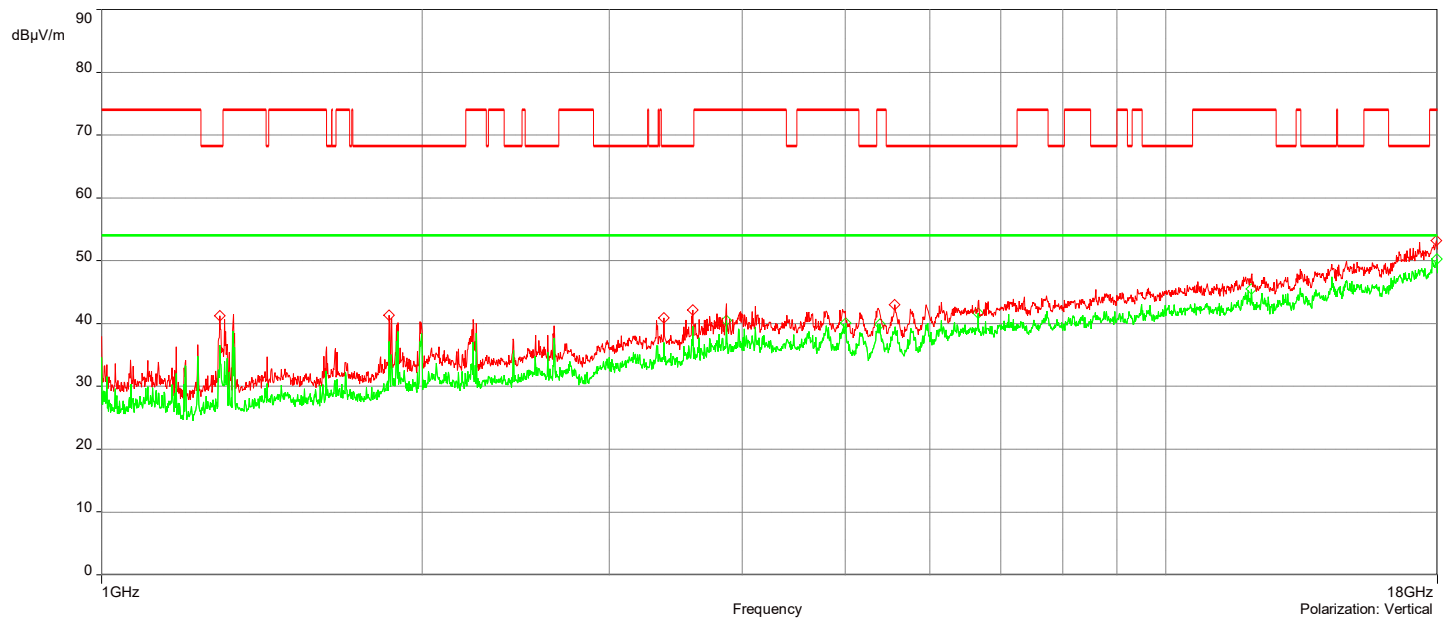
10/19/2023 9:01:10 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.8935263GHz	38.18	-3.91	68.23	-30.05	1.50	120.90	Horizontal	Passed
2.	1.9995294GHz	40.71	-3.02	68.23	-27.52	3.00	249.60	Horizontal	Passed
3.	5.1591223GHz	42.08	5.73	68.23	-26.15	1.50	1.70	Horizontal	Passed
4.	5.5801347GHz	42.91	6.45	68.23	-25.32	3.00	0.10	Horizontal	Passed
5.	6.6631666GHz	46.23	7.32	68.23	-22.00	3.50	273.60	Horizontal	Passed
6.	17.9845GHz	52.97	19.45	74.00	-21.03	1.50	5.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	3.8665843GHz	40.56	2.68	54.00	-13.44	3.00	359.90	Horizontal	Passed
2.	5.0026177GHz	40.05	6.08	54.00	-13.95	1.50	264.80	Horizontal	Passed
3.	5.1896232GHz	39.91	5.62	54.00	-14.09	3.00	158.40	Horizontal	Passed
4.	5.3971293GHz	39.81	6.50	54.00	-14.19	1.00	1.20	Horizontal	Passed
5.	12.036325GHz	45.48	12.16	54.00	-8.52	1.50	83.50	Horizontal	Passed
6.	17.9845GHz	40.69	19.45	54.00	-13.31	1.50	5.70	Horizontal	Passed

Overall Graphs:





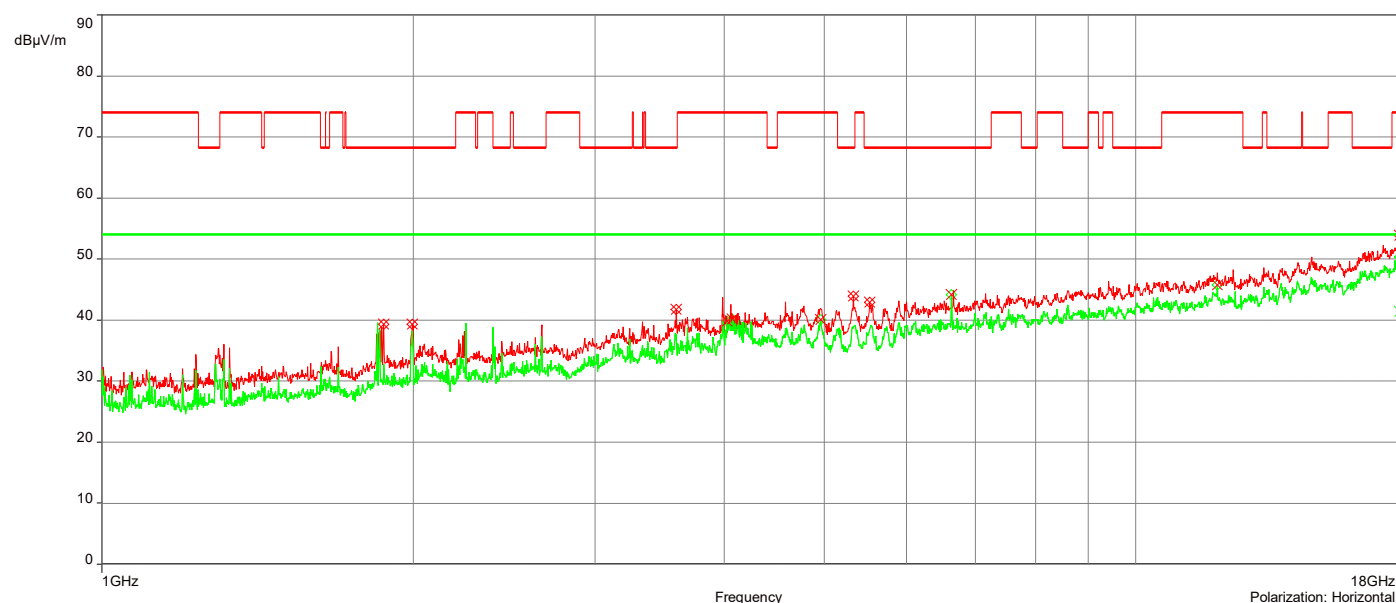
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 38_1-18GHz

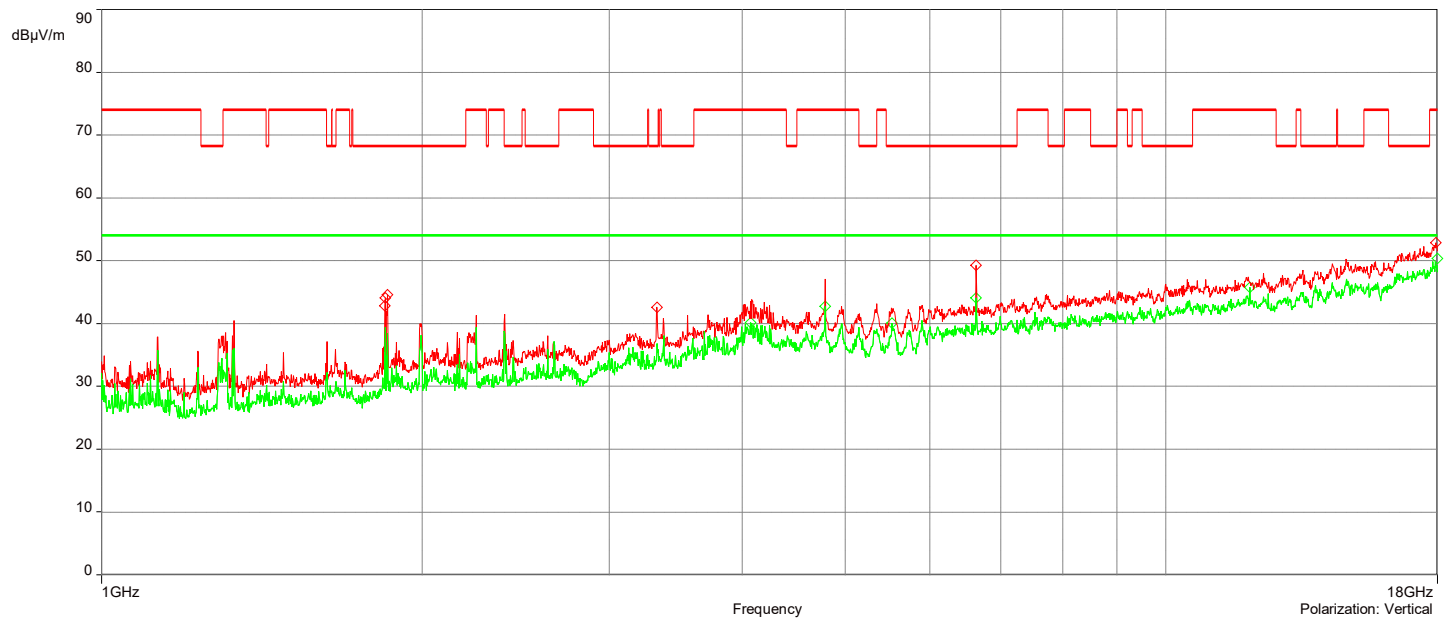
11/2/2023 7:57:29 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.8730257GHz	39.28	-4.27	68.23	-28.95	1.50	91.00	Horizontal	Passed
2.	1.9965293GHz	39.33	-3.00	68.23	-28.90	2.50	257.70	Horizontal	Passed
3.	3.5935763GHz	41.75	1.77	68.23	-26.48	3.00	267.00	Horizontal	Passed
4.	5.3351275GHz	43.91	6.25	68.23	-24.32	4.00	0	Horizontal	Passed
5.	5.5286332GHz	42.95	6.50	68.23	-25.28	2.00	67.30	Horizontal	Passed
6.	17.9925GHz	53.86	19.66	74.00	-20.14	1.00	243.60	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.0280891GHz	39.84	2.91	54.00	-14.16	4.00	0.10	Horizontal	Passed
2.	4.0715903GHz	40.16	3.04	54.00	-13.84	4.00	0.10	Horizontal	Passed
3.	4.9586164GHz	40.07	6.04	54.00	-13.93	4.00	0.10	Horizontal	Passed
4.	6.6366658GHz	44.15	7.30	54.00	-9.85	3.00	0.10	Horizontal	Passed
5.	12.000324GHz	45.73	12.29	54.00	-8.27	2.50	257.70	Horizontal	Passed
6.	17.995GHz	41.43	19.73	54.00	-12.57	2.50	212.00	Horizontal	Passed

Overall Graphs:





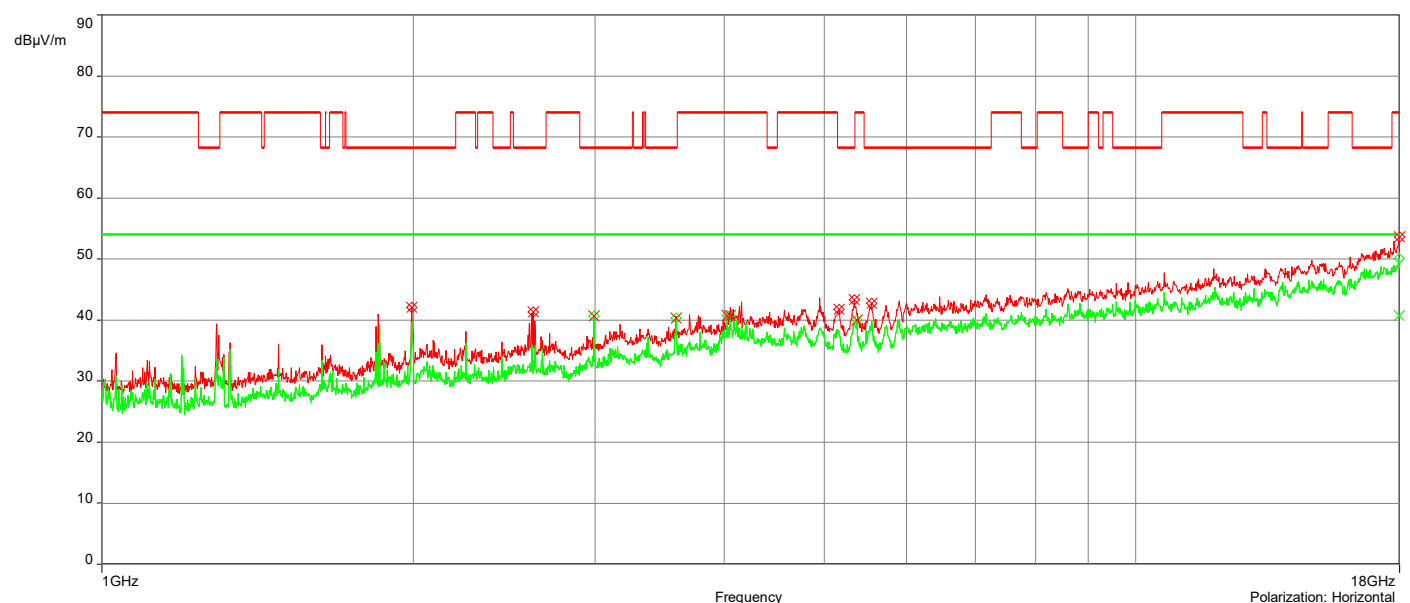
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 46_1-18GHz

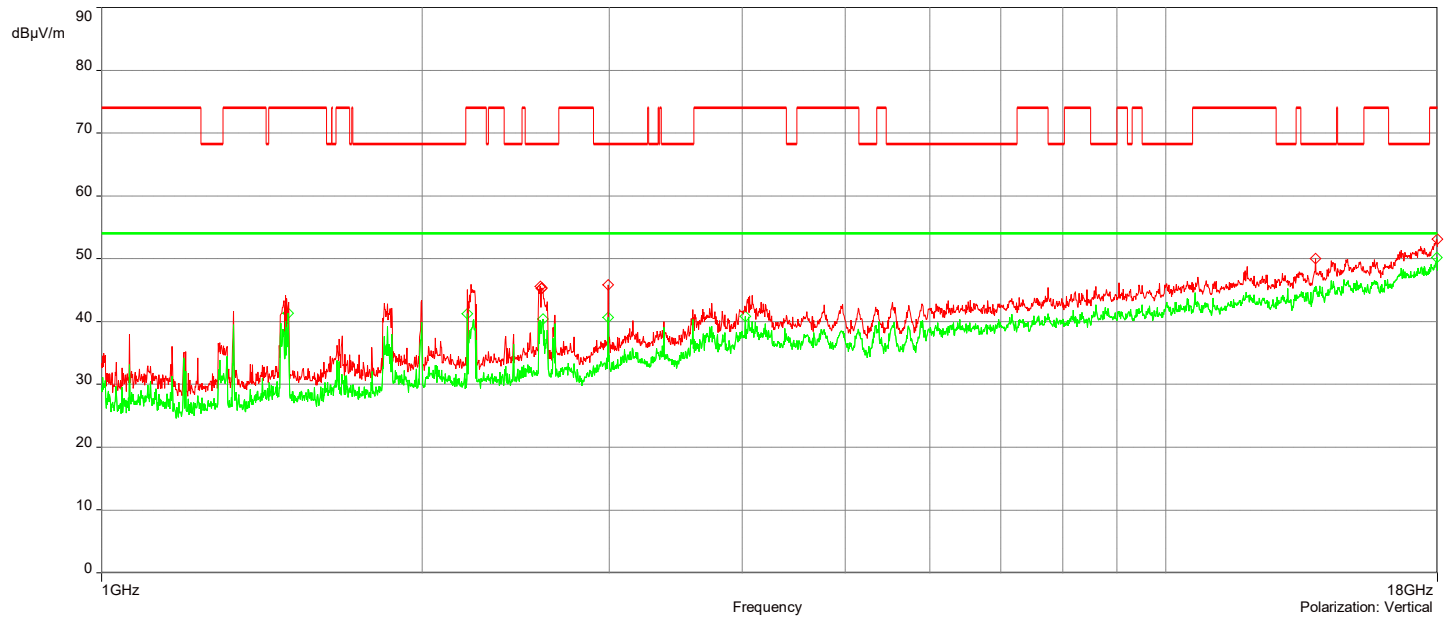
11/2/2023 8:13:17 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.9940292GHz	42.05	-2.98	68.23	-26.18	4.00	278.70	Horizontal	Passed
2.	2.6135475GHz	41.29	-0.89	68.23	-26.94	2.50	92.30	Horizontal	Passed
3.	5.1651225GHz	41.77	5.71	68.23	-26.46	4.00	186.70	Horizontal	Passed
4.	5.3426277GHz	43.35	6.30	68.23	-24.88	1.00	251.30	Horizontal	Passed
5.	5.555634GHz	42.76	6.48	68.23	-25.47	1.50	65.80	Horizontal	Passed
6.	17.9955GHz	53.61	19.74	74.00	-20.39	3.50	6.60	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.9925586GHz	40.65	0.01	54.00	-13.35	3.00	0.10	Horizontal	Passed
2.	3.5935763GHz	40.32	1.77	54.00	-13.68	4.00	0	Horizontal	Passed
3.	4.027589GHz	40.77	2.91	54.00	-13.23	3.00	0.10	Horizontal	Passed
4.	4.0545898GHz	40.74	2.95	54.00	-13.26	2.00	0	Horizontal	Passed
5.	5.3726286GHz	40.02	6.46	54.00	-13.98	1.50	210.60	Horizontal	Passed
6.	17.975499GHz	40.74	19.28	54.00	-13.26	3.00	0.10	Horizontal	Passed

Overall Graphs:





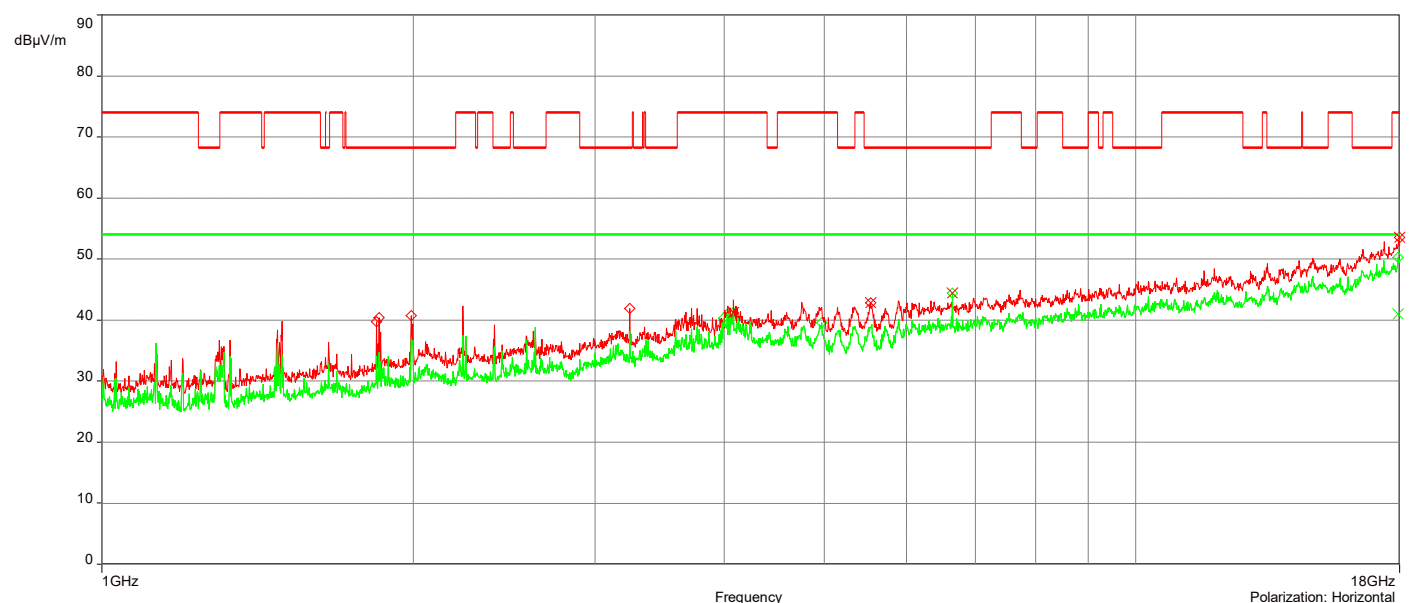
J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 149_1-18GHz

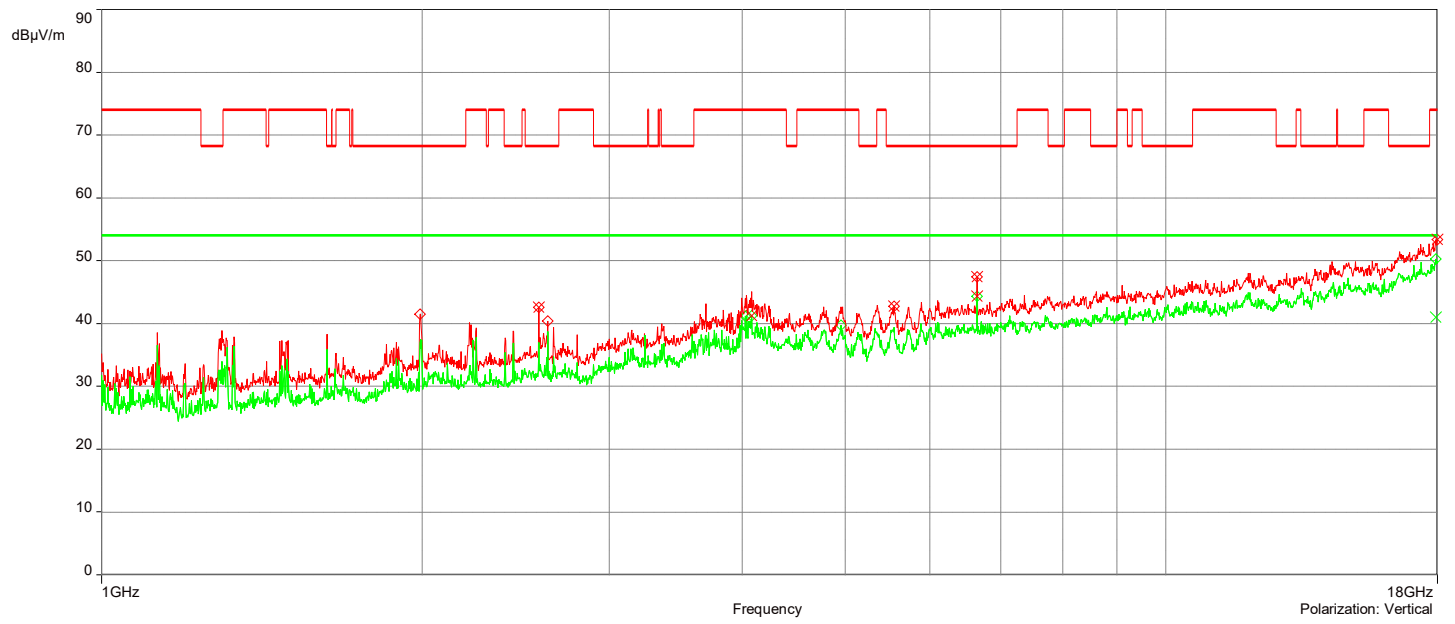
11/2/2023 8:28:03 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.5745463GHz	42.57	-1.09	68.23	-25.66	3.00	310.90	Vertical	Passed
2.	5.555634GHz	42.73	6.50	68.23	-25.50	2.00	111.20	Vertical	Passed
3.	6.6506662GHz	47.46	7.26	68.23	-20.77	3.00	202.50	Vertical	Passed
4.	18GHz	53.38	19.91	74.00	-20.62	4.00	139.80	Vertical	Passed
5.	5.5421336GHz	42.84	6.49	68.23	-25.39	1.00	270.40	Horizontal	Passed
6.	17.997GHz	53.55	19.78	74.00	-20.45	3.00	174.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.0800906GHz	41.25	3.09	54.00	-12.75	3.00	310.90	Vertical	Passed
2.	6.6506662GHz	44.38	7.26	54.00	-9.62	3.00	202.50	Vertical	Passed
3.	17.937998GHz	41.02	18.97	54.00	-12.98	1.50	359.90	Vertical	Passed
4.	4.0800906GHz	41.27	3.11	54.00	-12.73	3.00	0	Horizontal	Passed
5.	6.6506662GHz	44.44	7.33	54.00	-9.56	3.00	0	Horizontal	Passed
6.	17.944998GHz	40.95	18.96	54.00	-13.05	1.00	23.10	Horizontal	Passed

Overall Graphs:





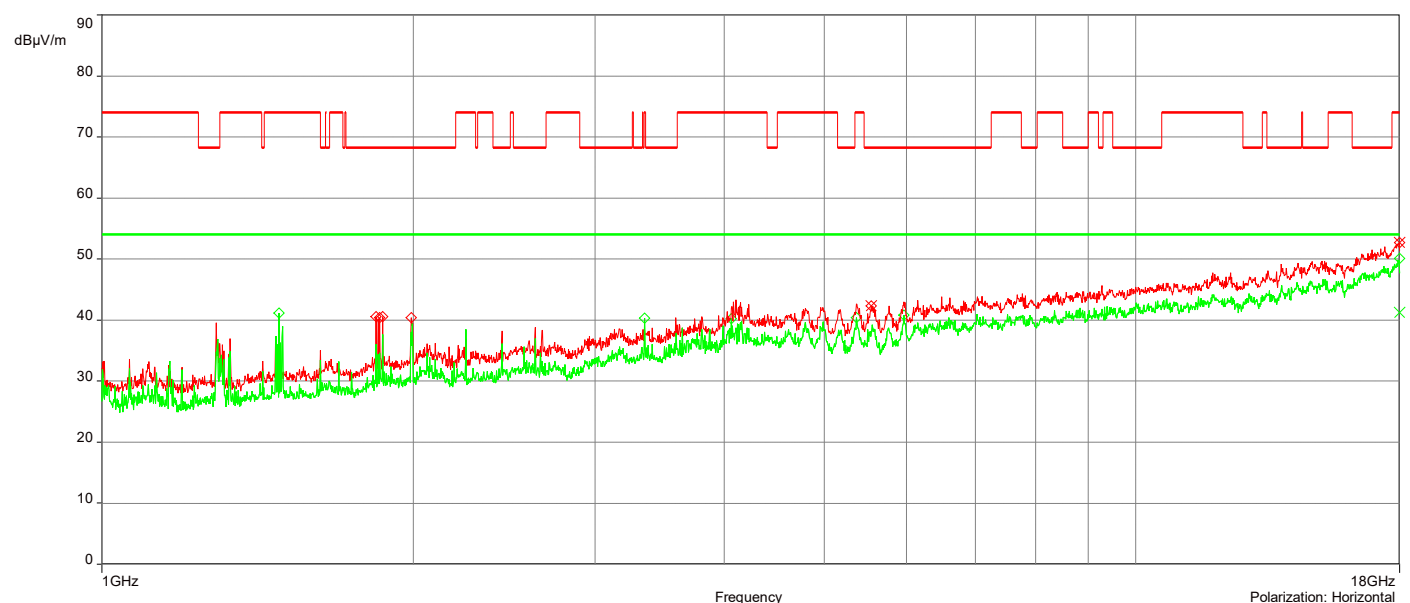
J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 165_1-18GHz

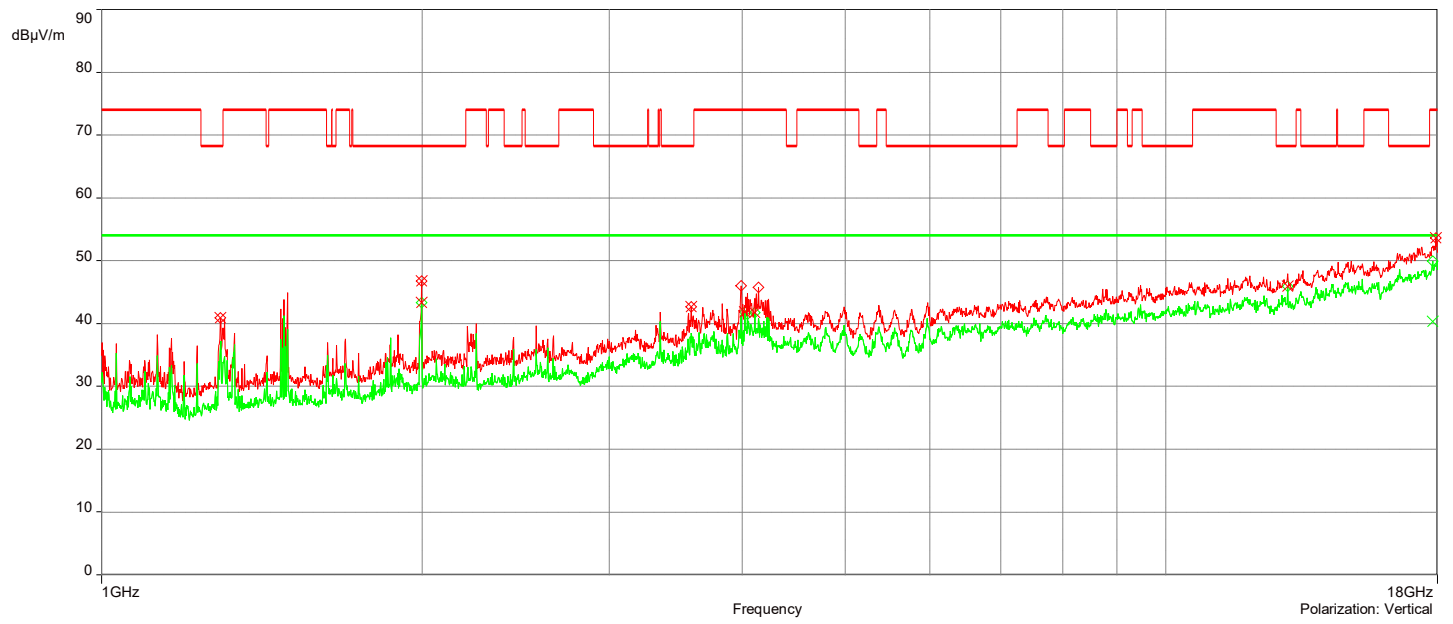
10/19/2023 9:19:57 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.2925086GHz	40.91	-7.40	68.23	-27.32	2.00	243.40	Vertical	Passed
2.	1.9990294GHz	46.76	-3.07	68.23	-21.47	2.50	267.90	Vertical	Passed
3.	3.5805759GHz	42.68	1.71	68.23	-25.55	1.50	259.10	Vertical	Passed
4.	17.939498GHz	53.59	18.98	74.00	-20.41	4.00	351.70	Vertical	Passed
5.	5.5511339GHz	42.36	6.49	68.23	-25.87	1.00	67.10	Horizontal	Passed
6.	17.996GHz	52.69	19.76	74.00	-21.31	1.00	265.00	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	1.9990294GHz	43.37	-3.07	54.00	-10.63	2.50	267.90	Vertical	Passed
2.	4.0220889GHz	41.85	2.98	54.00	-12.15	3.50	302.70	Vertical	Passed
3.	4.1110915GHz	41.72	3.29	54.00	-12.28	3.50	302.70	Vertical	Passed
4.	13.018353GHz	45.90	12.90	54.00	-8.10	1.00	148.00	Vertical	Passed
5.	17.812994GHz	40.31	18.08	54.00	-13.69	1.50	108.10	Vertical	Passed
6.	17.996GHz	41.25	19.76	54.00	-12.75	1.00	265.00	Horizontal	Passed

Overall Graphs:





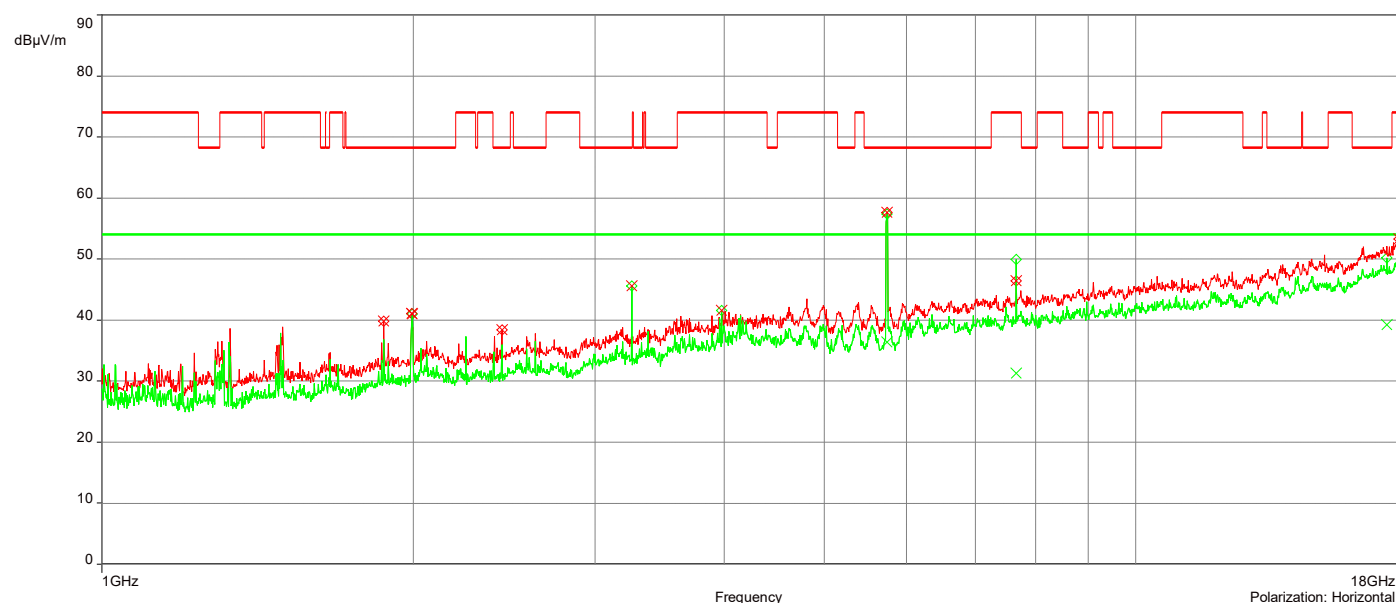
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 149_1-18GHz

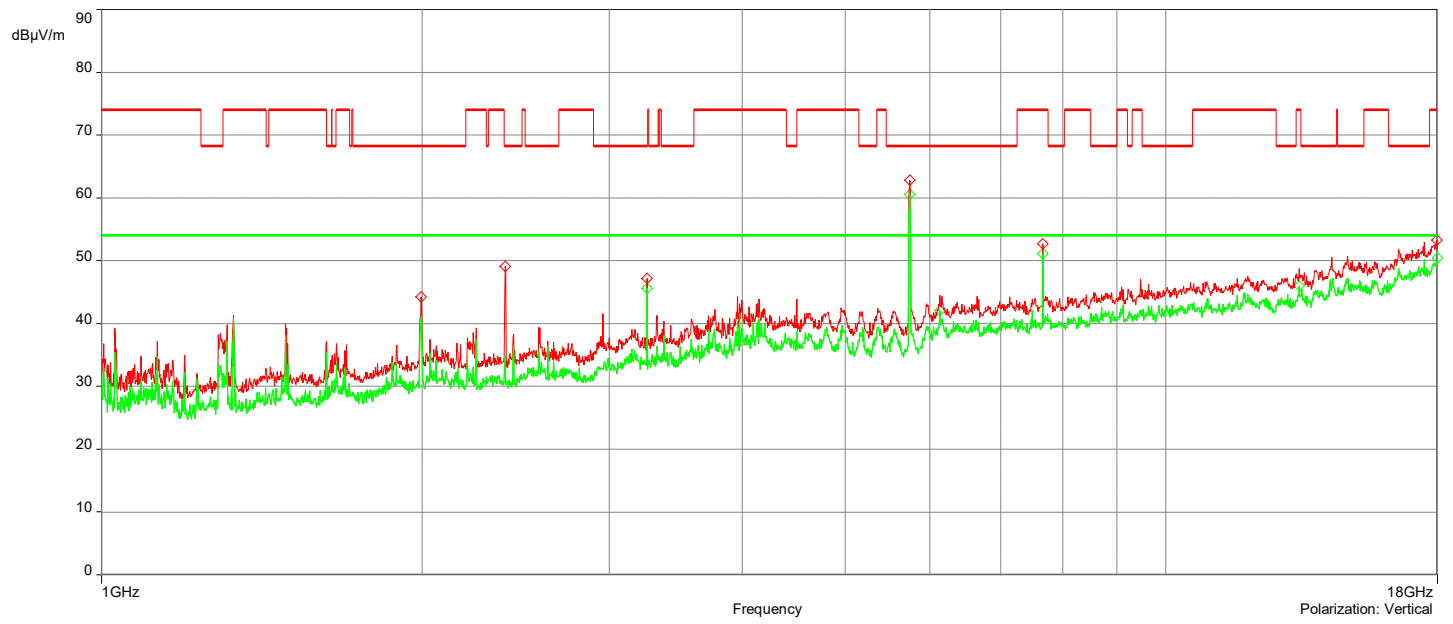
10/20/2023 9:50:16 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.8740257GHz	39.81	-4.25	68.23	-28.42	4.00	338.00	Horizontal	Passed
2.	1.9950293GHz	41.11	-2.99	68.23	-27.12	2.00	120.70	Horizontal	Passed
3.	2.4375423GHz	38.36	-1.72	68.23	-29.87	3.00	111.80	Horizontal	Passed
4.	5.7491397GHz	57.60	6.16	68.23	-10.63	2.00	247.80	Horizontal	Passed
5.	7.6596959GHz	46.44	8.92	74.00	-27.56	1.00	272.60	Horizontal	Passed
6.	17.9865GHz	53.32	19.50	74.00	-20.68	3.00	283.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	1.9975293GHz	41.01	-3.00	54.00	-12.99	3.00	359.90	Horizontal	Passed
2.	3.2545663GHz	45.58	0.98	54.00	-8.42	3.00	359.90	Horizontal	Passed
3.	3.9745875GHz	41.56	2.77	54.00	-12.44	4.00	359.90	Horizontal	Passed
4.	5.7496397GHz	36.35	6.16	54.00	-17.65	3.00	359.90	Horizontal	Passed
5.	7.6596959GHz	31.26	8.92	54.00	-22.74	1.00	272.60	Horizontal	Passed
6.	17.489985GHz	39.24	17.61	54.00	-14.76	4.00	359.90	Horizontal	Passed

Overall Graphs:





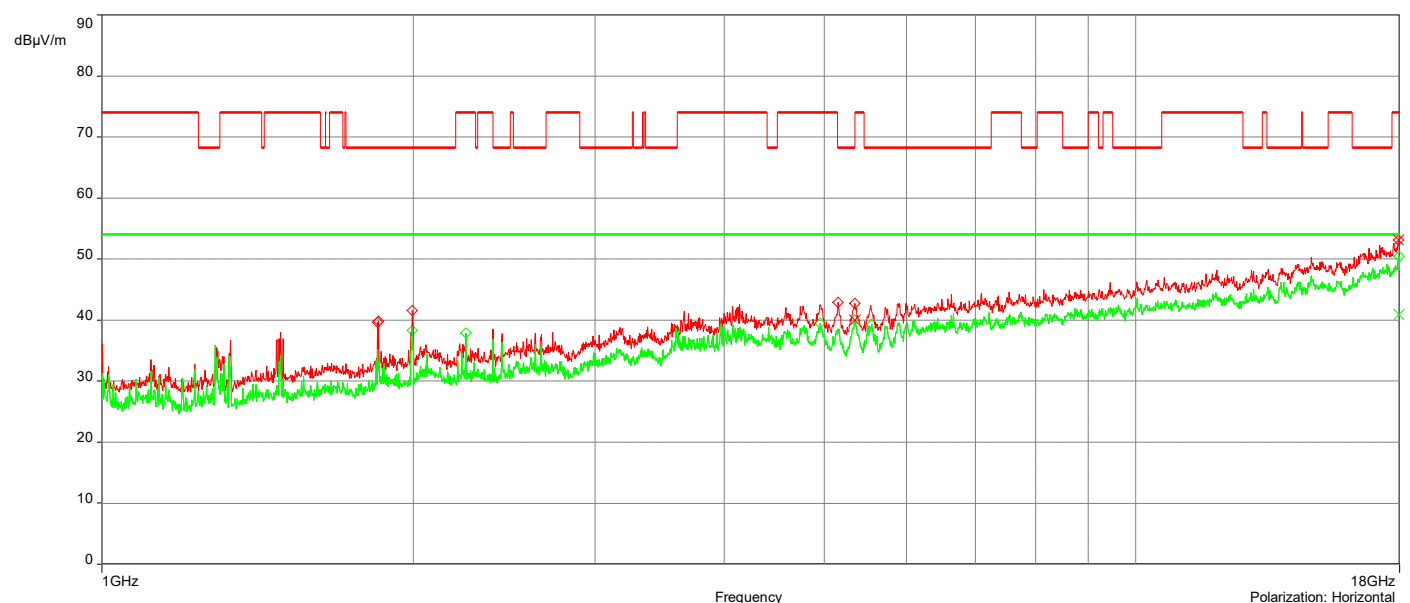
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 151_1-18GHz

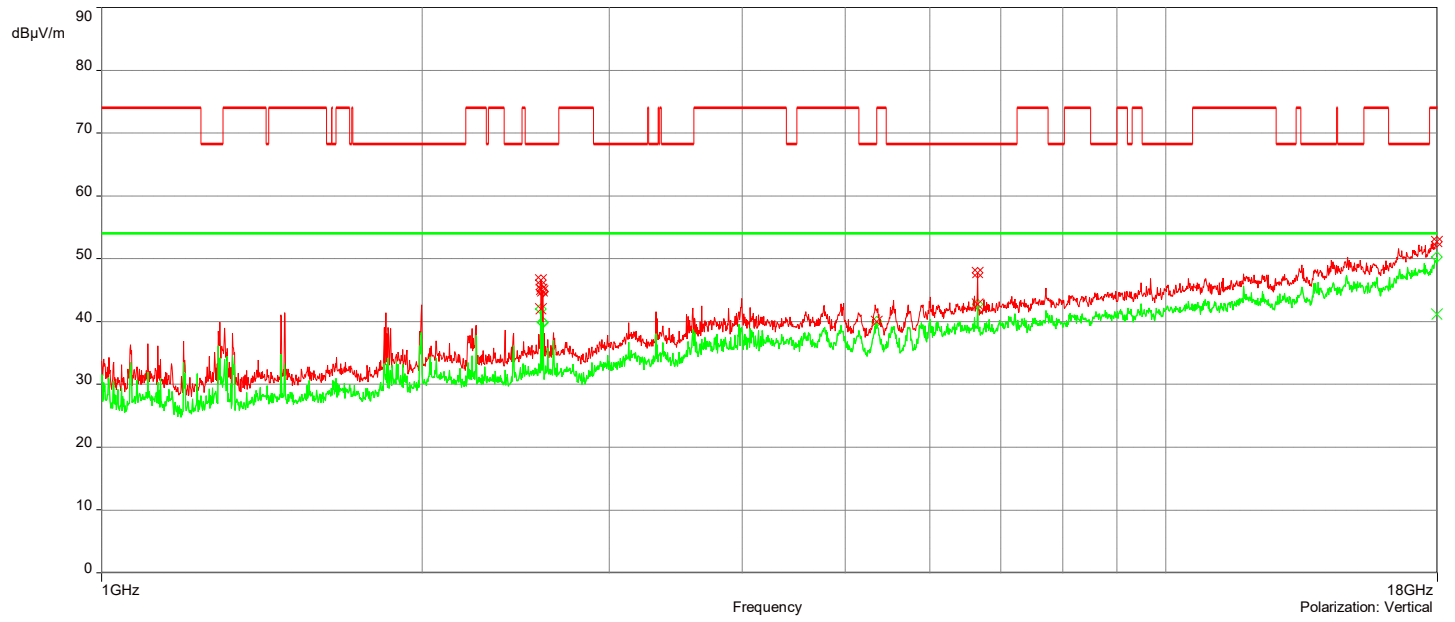
11/2/2023 8:44:35 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.5875467GHz	46.60	-1.03	68.23	-21.63	3.50	64.90	Vertical	Passed
2.	2.5900468GHz	45.09	-1.02	68.23	-23.14	3.50	64.90	Vertical	Passed
3.	2.5950469GHz	44.88	-1.00	68.23	-23.35	3.50	64.90	Vertical	Passed
4.	6.6526663GHz	47.79	7.27	68.23	-20.44	2.50	193.20	Vertical	Passed
5.	17.976499GHz	52.72	19.36	74.00	-21.28	4.00	296.40	Vertical	Passed
6.	17.958999GHz	53.13	19.11	74.00	-20.87	1.50	47.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.5875467GHz	41.98	-1.03	54.00	-12.02	3.50	64.90	Vertical	Passed
2.	5.353128GHz	39.96	6.31	54.00	-14.04	3.50	359.90	Vertical	Passed
3.	6.6526663GHz	42.75	7.27	54.00	-11.25	2.50	193.20	Vertical	Passed
4.	17.988GHz	41.14	19.60	54.00	-12.86	2.00	293.90	Vertical	Passed
5.	5.353128GHz	40.02	6.36	54.00	-13.98	3.50	359.90	Horizontal	Passed
6.	17.980999GHz	40.91	19.36	54.00	-13.09	4.00	158.10	Horizontal	Passed

Overall Graphs:





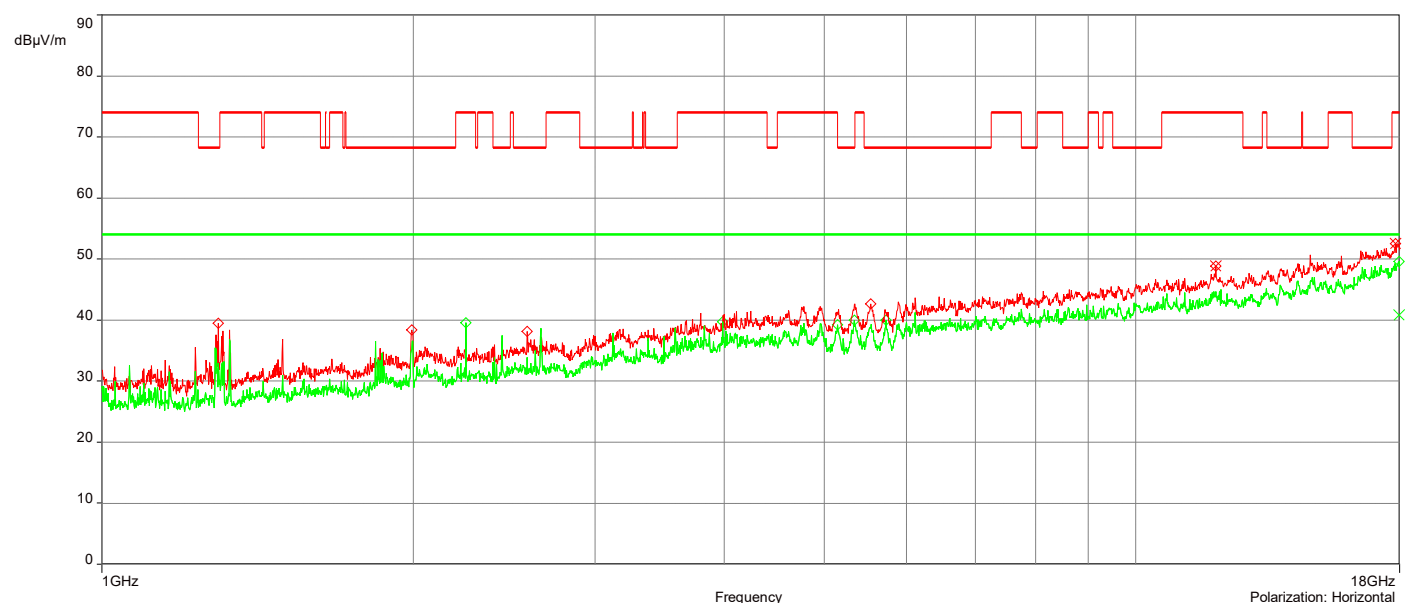
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 159_1-18GHz

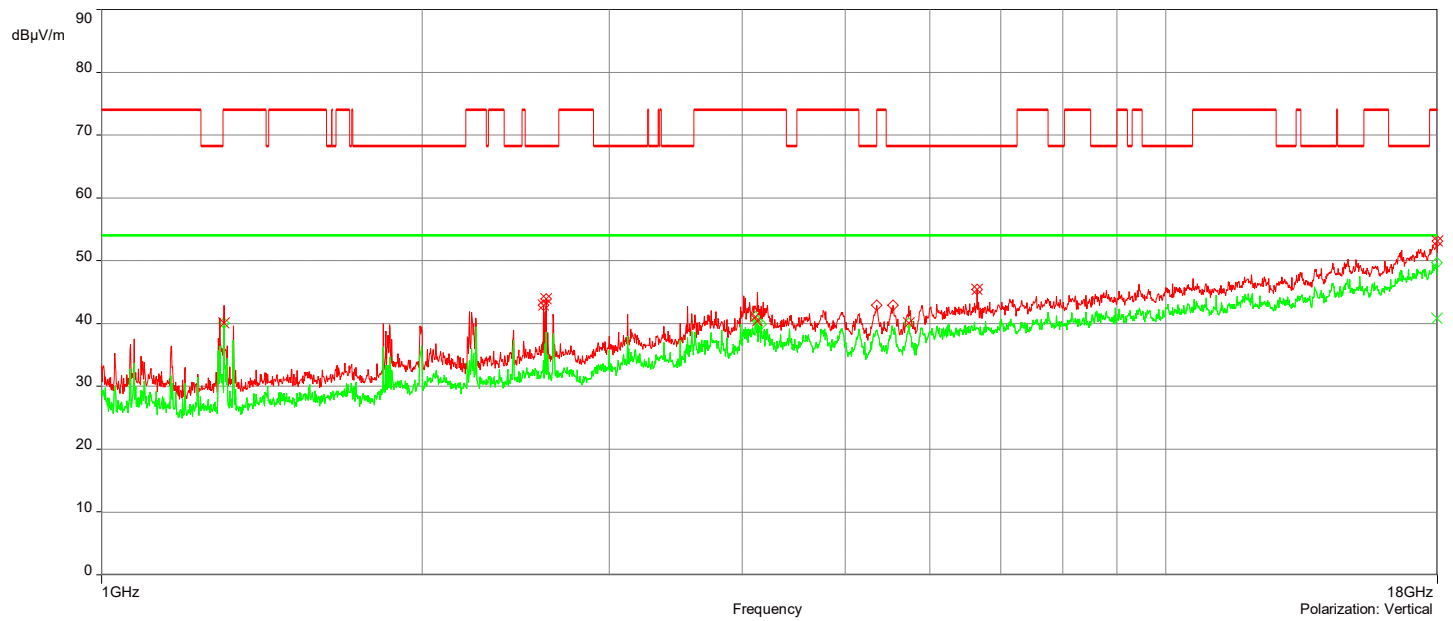
11/2/2023 9:00:06 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.6020471GHz	42.94	-0.99	68.23	-25.29	2.50	101.30	Vertical	Passed
2.	2.6160475GHz	43.91	-0.96	68.23	-24.32	2.50	101.30	Vertical	Passed
3.	6.6491662GHz	45.42	7.26	68.23	-22.81	3.50	189.70	Vertical	Passed
4.	17.9935GHz	53.08	19.74	74.00	-20.92	2.00	48.30	Vertical	Passed
5.	11.958322GHz	48.84	12.48	74.00	-25.16	3.50	5.70	Horizontal	Passed
6.	17.835495GHz	52.54	18.09	74.00	-21.46	1.00	344.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	1.3040089GHz	40.11	-7.20	54.00	-13.89	1.50	191.60	Vertical	Passed
2.	4.1165917GHz	41.11	3.29	54.00	-12.89	2.50	311.00	Vertical	Passed
3.	4.1330922GHz	40.44	3.32	54.00	-13.56	2.50	311.00	Vertical	Passed
4.	5.7371393GHz	40.04	6.23	54.00	-13.96	3.00	21.70	Vertical	Passed
5.	17.9855GHz	40.86	19.54	54.00	-13.14	1.50	359.90	Vertical	Passed
6.	17.9855GHz	40.81	19.48	54.00	-13.19	1.50	58.10	Horizontal	Passed

Overall Graphs:





J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_Pos-Y_18-40GHz

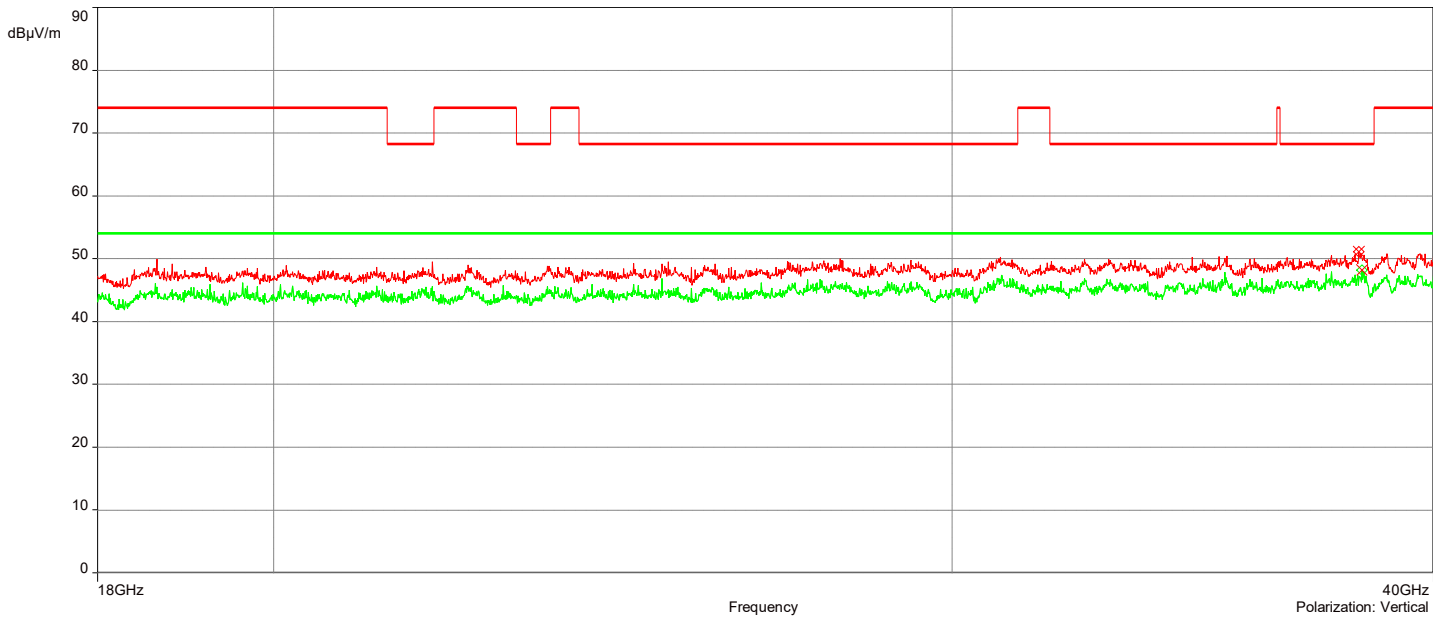
11/7/2023 2:47:50 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.25296GHz	51.07	4.21	68.23	-17.16	2.22	180.00	Vertical	Passed
2.	32.441828GHz	50.91	6.85	68.23	-17.32	1.22	135.10	Horizontal	Passed
3.	38.294461GHz	51.72	4.32	68.23	-16.51	3.19	202.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	38.322462GHz	48.22	4.55	54.00	-5.78	1.08	0	Vertical	Passed
2.	29.192254GHz	47.09	6.83	54.00	-6.91	1.21	90.10	Horizontal	Passed
3.	30.988295GHz	47.73	6.82	54.00	-6.27	1.04	247.50	Horizontal	Passed
4.	38.832473GHz	47.84	5.25	54.00	-6.16	2.56	225.10	Horizontal	Passed

Overall Graphs:





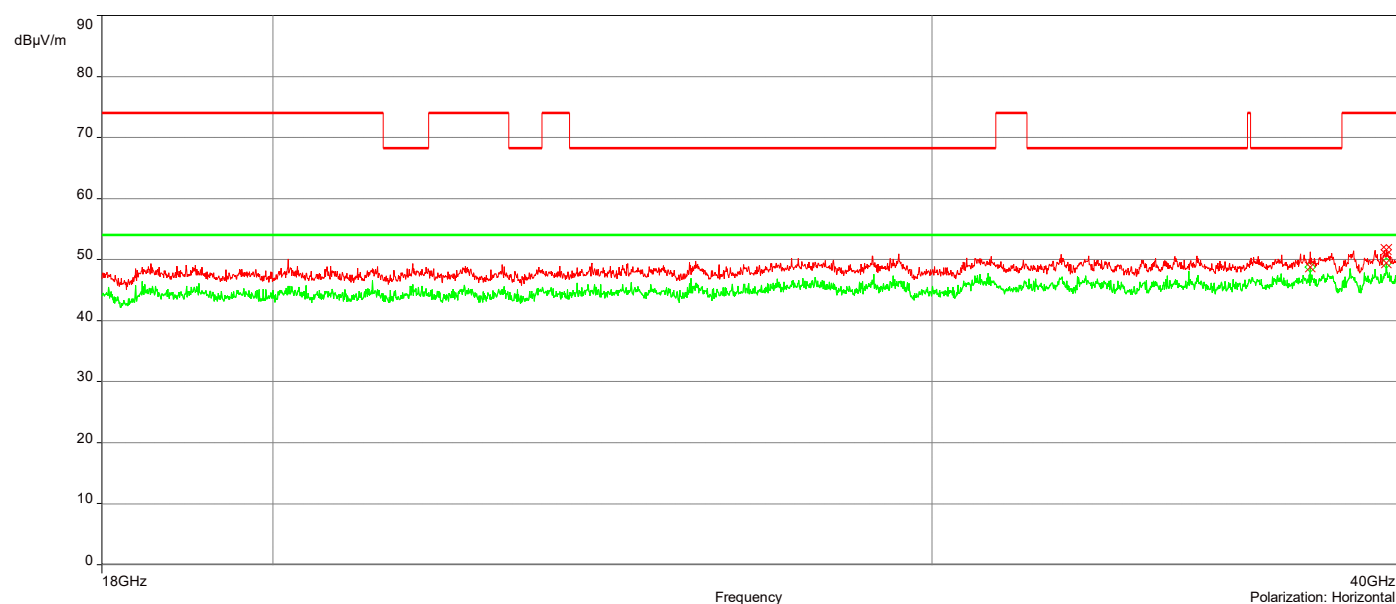
J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_Pos-Y_18-40GHz

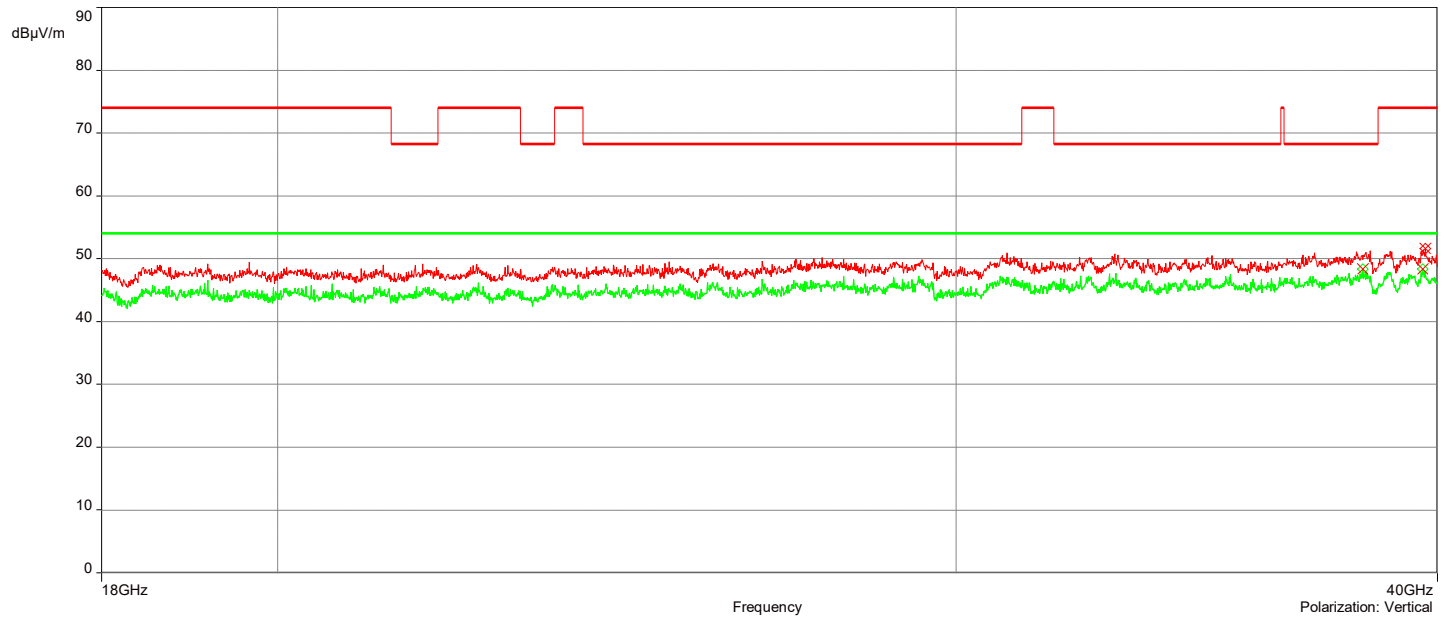
10/23/2023 10:42:48 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	39.707993GHz	51.61	6.05	74.00	-22.39	1.98	44.90	Vertical	Passed
2.	39.677493GHz	51.62	6.13	74.00	-22.38	3.53	157.40	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	38.25446GHz	48.38	4.22	54.00	-5.62	2.54	314.90	Vertical	Passed
2.	39.649492GHz	48.32	6.15	54.00	-5.68	1.99	134.90	Vertical	Passed
3.	37.856951GHz	48.80	3.72	54.00	-5.20	3.93	67.40	Horizontal	Passed
4.	39.677493GHz	49.47	6.13	54.00	-4.53	3.53	157.40	Horizontal	Passed

Overall Graphs:





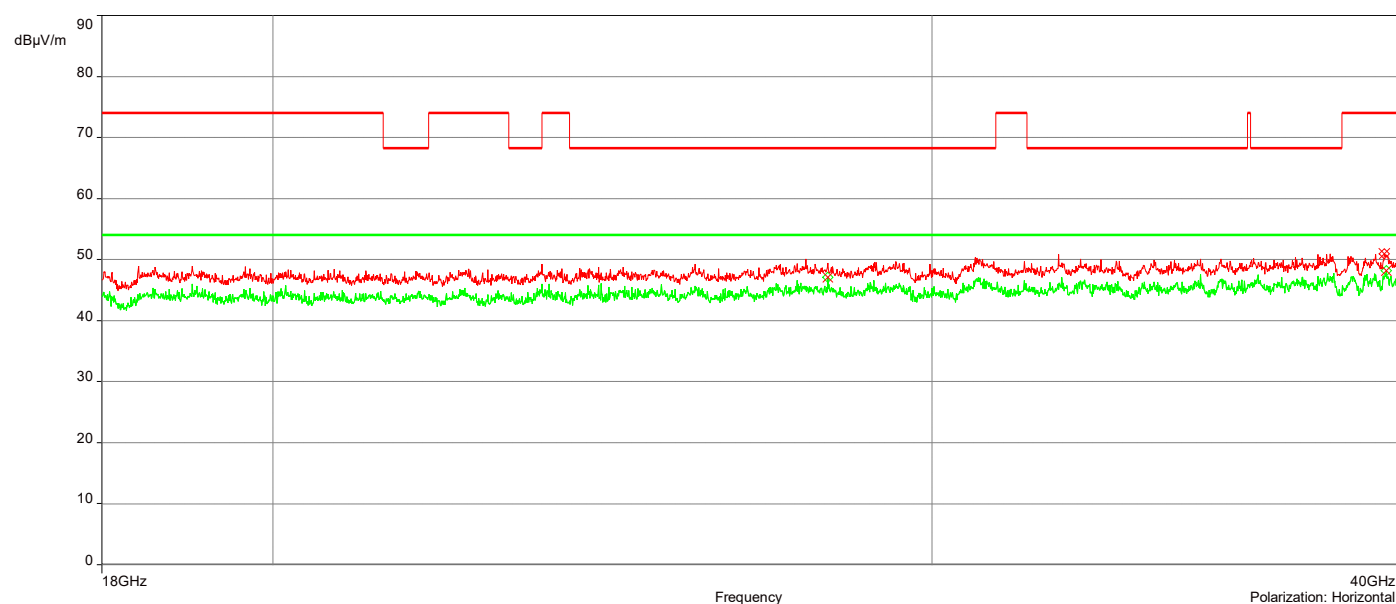
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 40_Pos-Y_18-40GHz

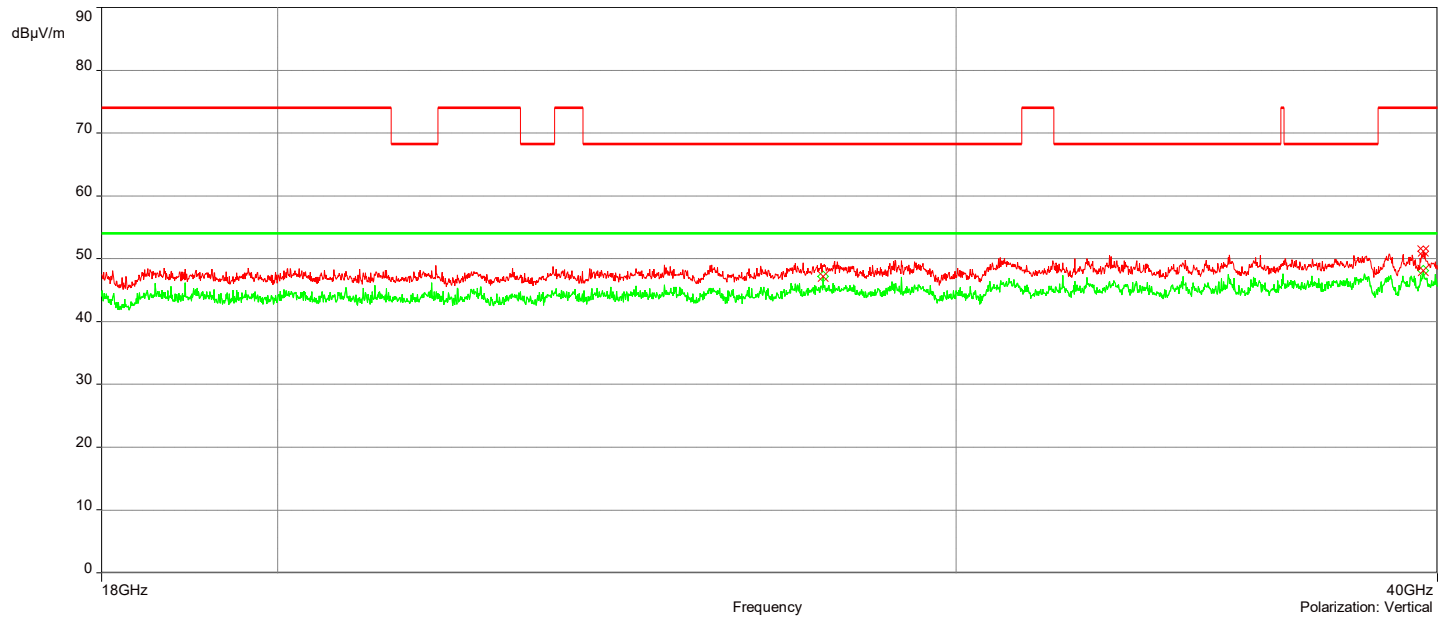
11/7/2023 4:14:56 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	39.663492GHz	51.16	6.13	74.00	-22.84	1.04	315.10	Vertical	Passed
2.	39.623491GHz	50.94	6.19	74.00	-23.06	1.02	0	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	27.704221GHz	47.17	6.02	54.00	-6.83	1.00	180.00	Vertical	Passed
2.	39.661992GHz	48.14	6.14	54.00	-5.86	1.64	90.10	Vertical	Passed
3.	28.14123GHz	47.12	6.50	54.00	-6.88	3.57	67.70	Horizontal	Passed
4.	39.673493GHz	48.18	6.16	54.00	-5.82	2.39	292.60	Horizontal	Passed

Overall Graphs:





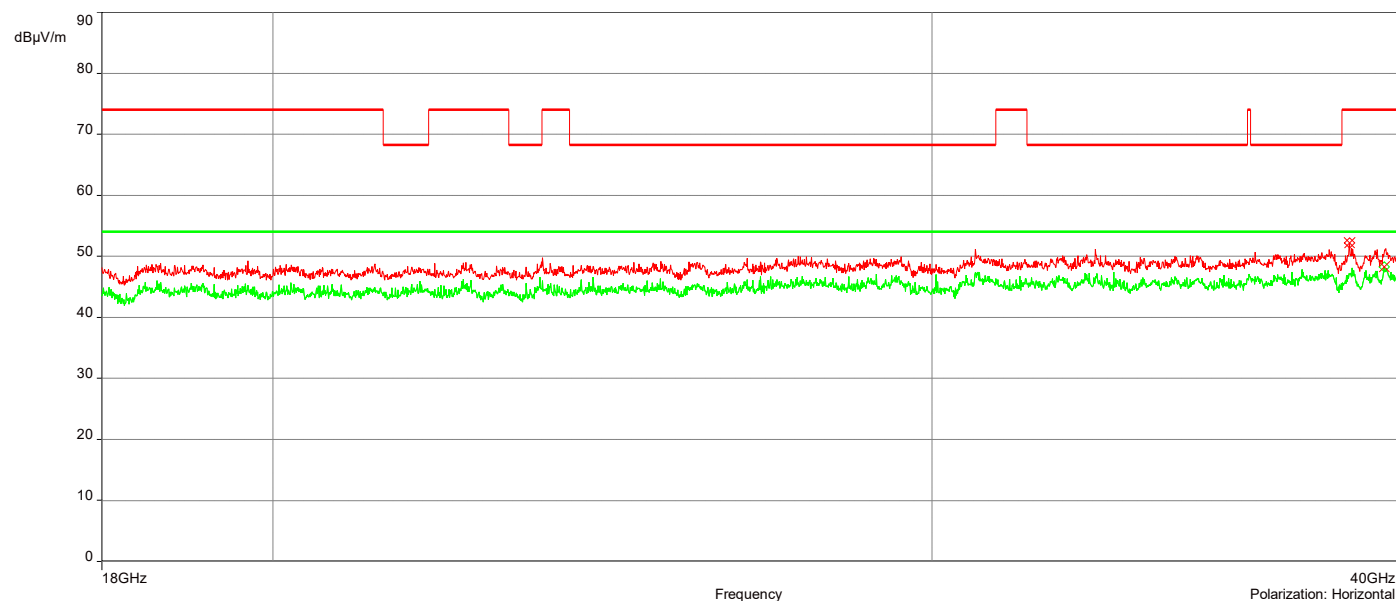
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 48_Pos-Y_18-40GHz

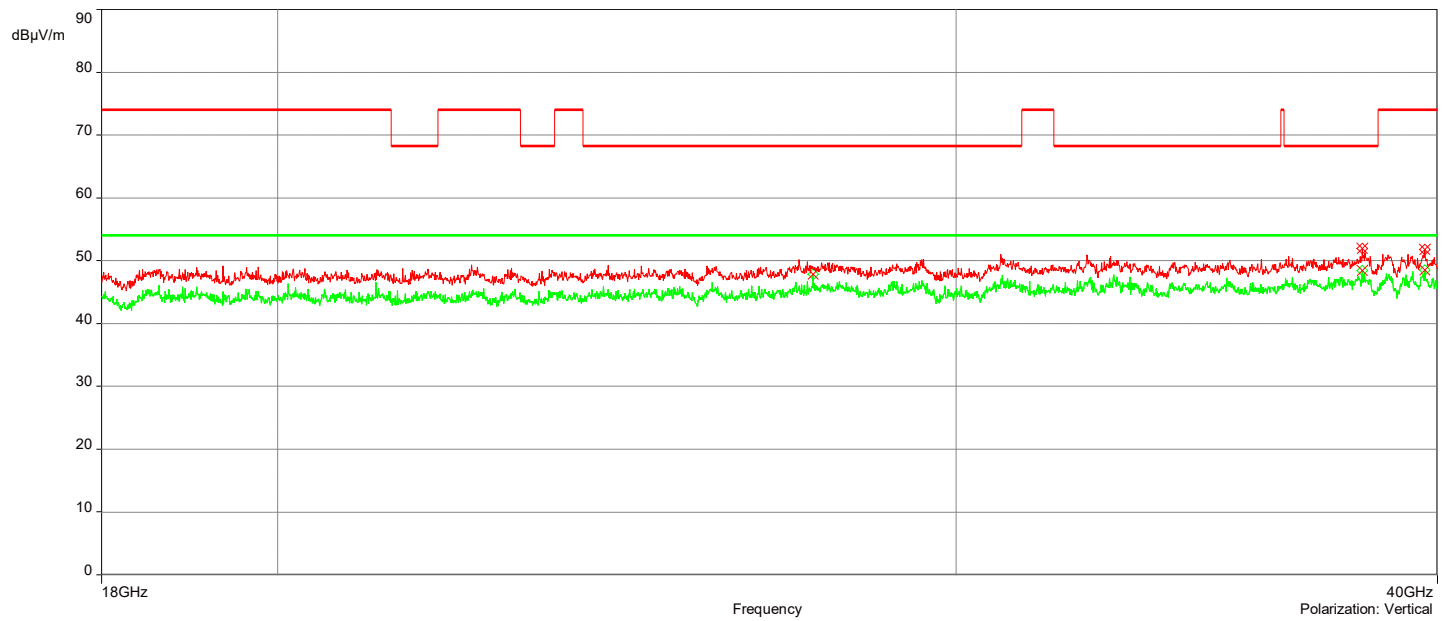
10/23/2023 11:05:35 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.24296GHz	51.96	4.13	68.23	-16.27	2.92	247.60	Vertical	Passed
2.	39.699993GHz	51.79	6.09	74.00	-22.21	1.00	0.10	Vertical	Passed
3.	38.788972GHz	52.16	4.80	74.00	-21.84	1.02	315.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	27.545217GHz	47.84	5.83	54.00	-6.16	1.00	0.10	Vertical	Passed
2.	38.24296GHz	48.43	4.13	54.00	-5.57	2.92	247.60	Vertical	Passed
3.	39.699993GHz	48.55	6.09	54.00	-5.45	1.00	0.10	Vertical	Passed
4.	39.626992GHz	48.24	6.21	54.00	-5.76	1.98	180.10	Horizontal	Passed

Overall Graphs:





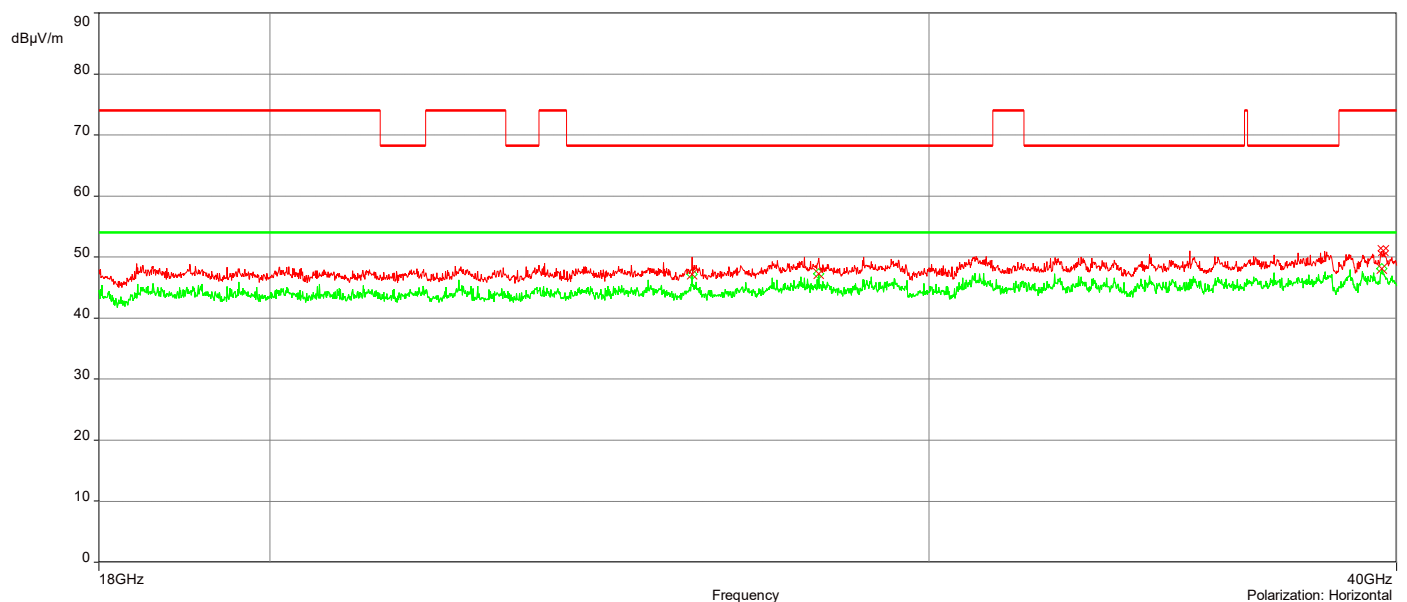
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 38_Pos-Y_18-40GHz

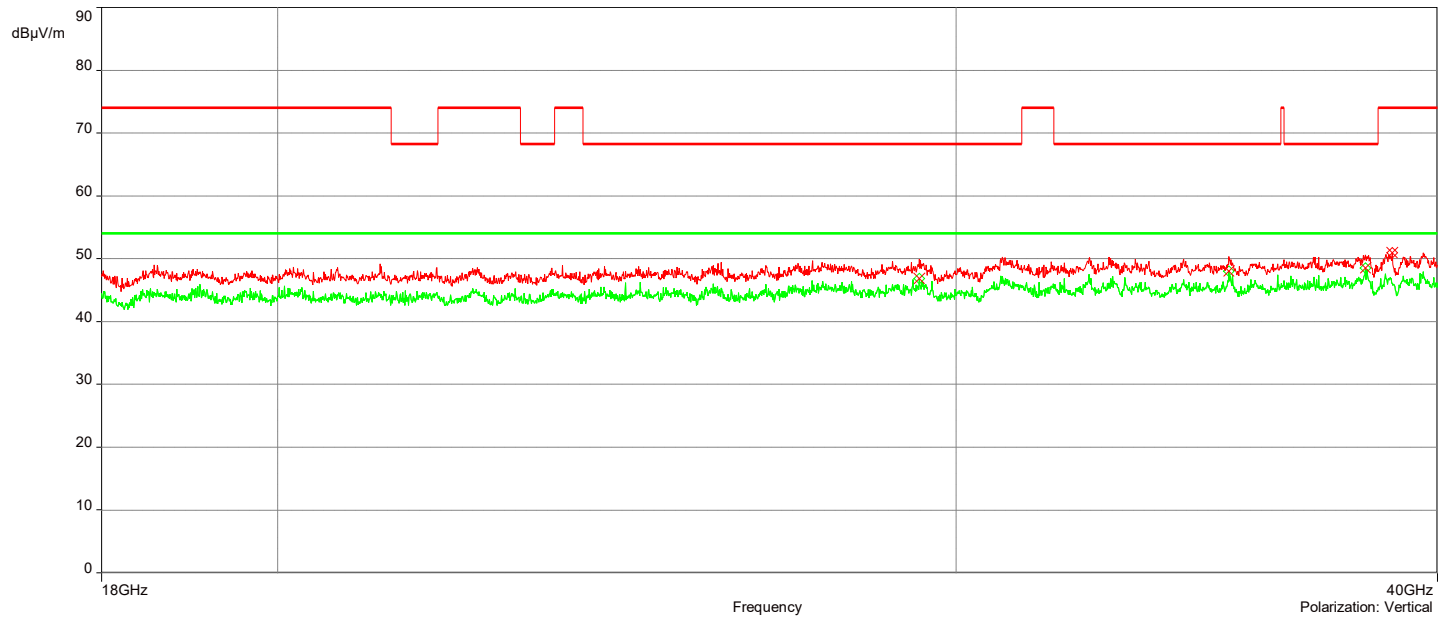
11/7/2023 3:09:31 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.931476GHz	50.96	5.97	74.00	-23.04	2.54	0	Vertical	Passed
2.	39.675493GHz	51.03	6.14	74.00	-22.97	4.00	247.40	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	29.348758GHz	46.89	6.46	54.00	-7.11	3.34	269.90	Vertical	Passed
2.	35.311393GHz	47.98	4.46	54.00	-6.02	1.42	247.40	Vertical	Passed
3.	38.311462GHz	48.49	4.53	54.00	-5.51	1.42	202.40	Vertical	Passed
4.	25.92668GHz	47.22	3.64	54.00	-6.78	3.73	337.40	Horizontal	Passed
5.	28.026728GHz	47.24	6.51	54.00	-6.76	3.38	44.90	Horizontal	Passed
6.	39.641492GHz	48.11	6.29	54.00	-5.89	2.96	112.40	Horizontal	Passed

Overall Graphs:





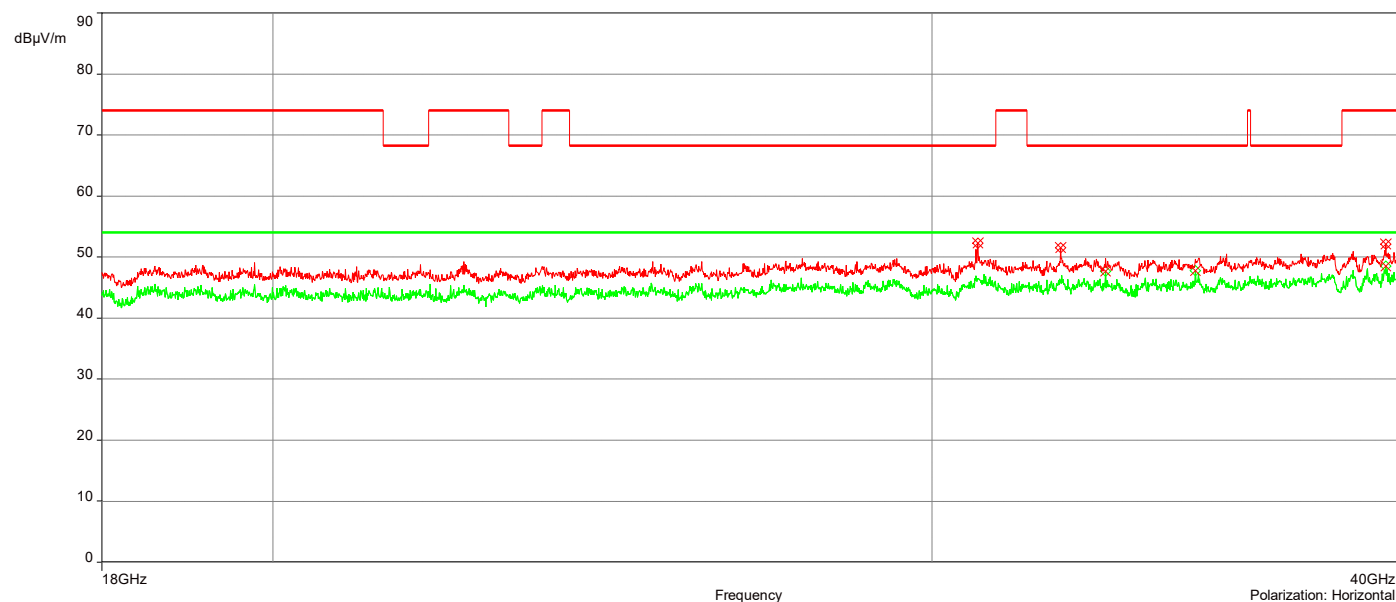
J23220_W300#1_5G UNII-1 802.11n_MCS0_Ch 46_Pos-Y_18-40GHz

11/7/2023 3:31:32 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.877474GHz	51.26	5.91	74.00	-22.74	1.24	337.40	Vertical	Passed
2.	30.854292GHz	52.26	7.10	68.23	-15.97	1.60	270.10	Horizontal	Passed
3.	32.464829GHz	51.52	6.96	68.23	-16.71	1.00	202.60	Horizontal	Passed
4.	39.665492GHz	52.12	6.20	74.00	-21.88	1.00	157.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	39.703493GHz	47.82	6.07	54.00	-6.18	1.24	45.20	Vertical	Passed
2.	33.37885GHz	47.72	6.75	54.00	-6.28	1.81	247.60	Horizontal	Passed
3.	35.277893GHz	47.81	4.67	54.00	-6.19	1.23	292.60	Horizontal	Passed
4.	39.665492GHz	48.56	6.20	54.00	-5.44	1.00	157.50	Horizontal	Passed

Overall Graphs:





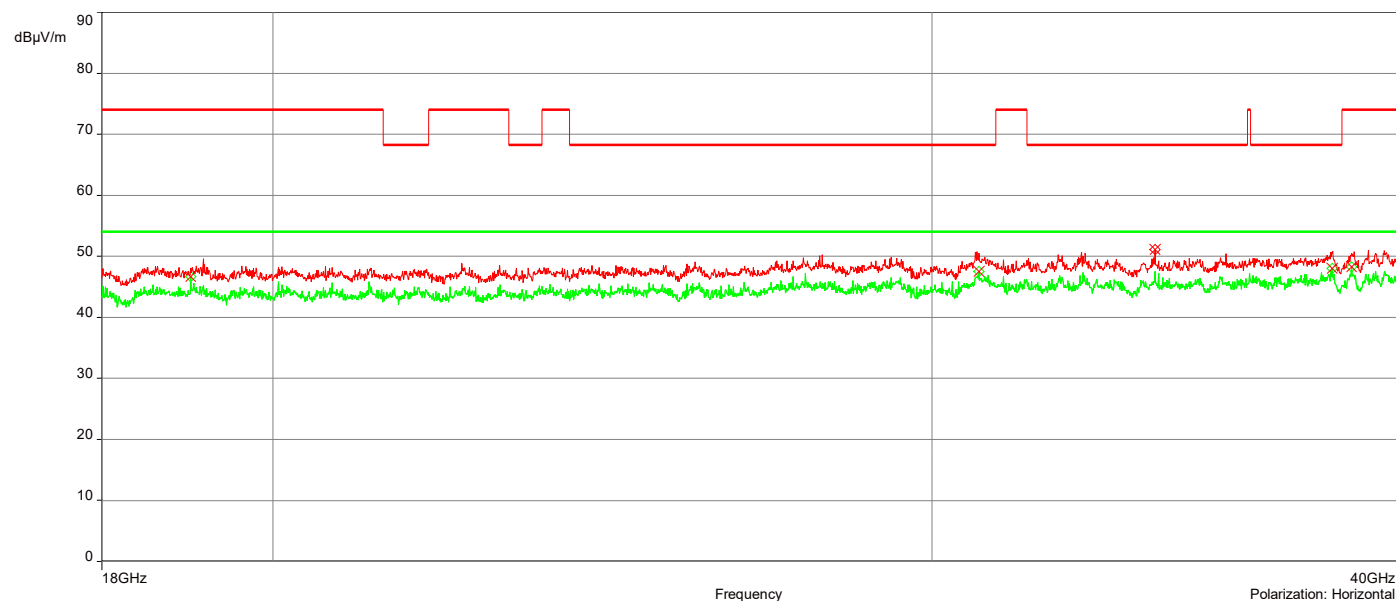
J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 149_Pos-Y_18-40GHz

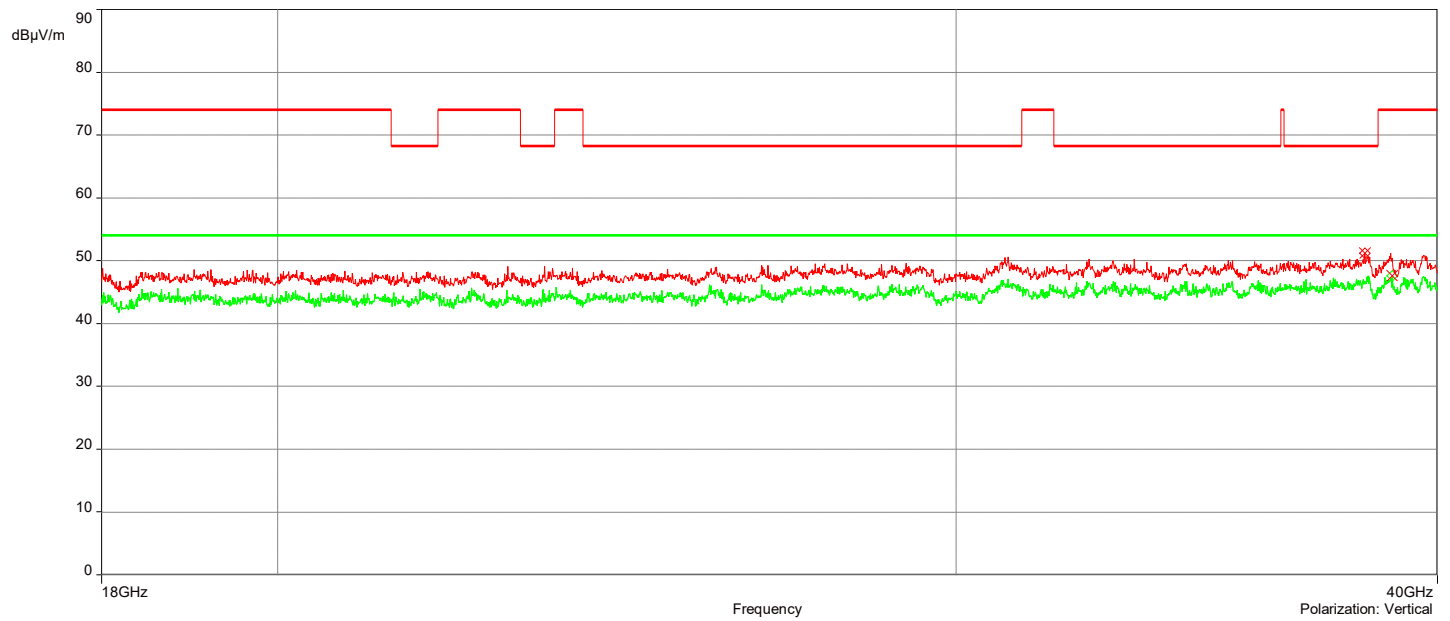
11/7/2023 3:52:07 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.301961GHz	51.21	4.52	68.23	-17.02	1.81	202.40	Vertical	Passed
2.	34.417873GHz	51.09	5.59	68.23	-17.14	1.79	337.40	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	38.937476GHz	47.64	5.92	54.00	-6.36	2.18	134.90	Vertical	Passed
2.	19.009523GHz	46.72	-0.11	54.00	-7.28	2.79	314.90	Horizontal	Passed
3.	30.881793GHz	47.52	7.16	54.00	-6.48	3.37	134.90	Horizontal	Passed
4.	38.370963GHz	48.03	4.61	54.00	-5.97	2.20	89.90	Horizontal	Passed
5.	38.837974GHz	48.27	5.32	54.00	-5.73	3.91	337.40	Horizontal	Passed

Overall Graphs:





J23220_W300#1_5G UNII-3 802.11a_6Mbps_Ch 165_Pos-Y_18-40GHz

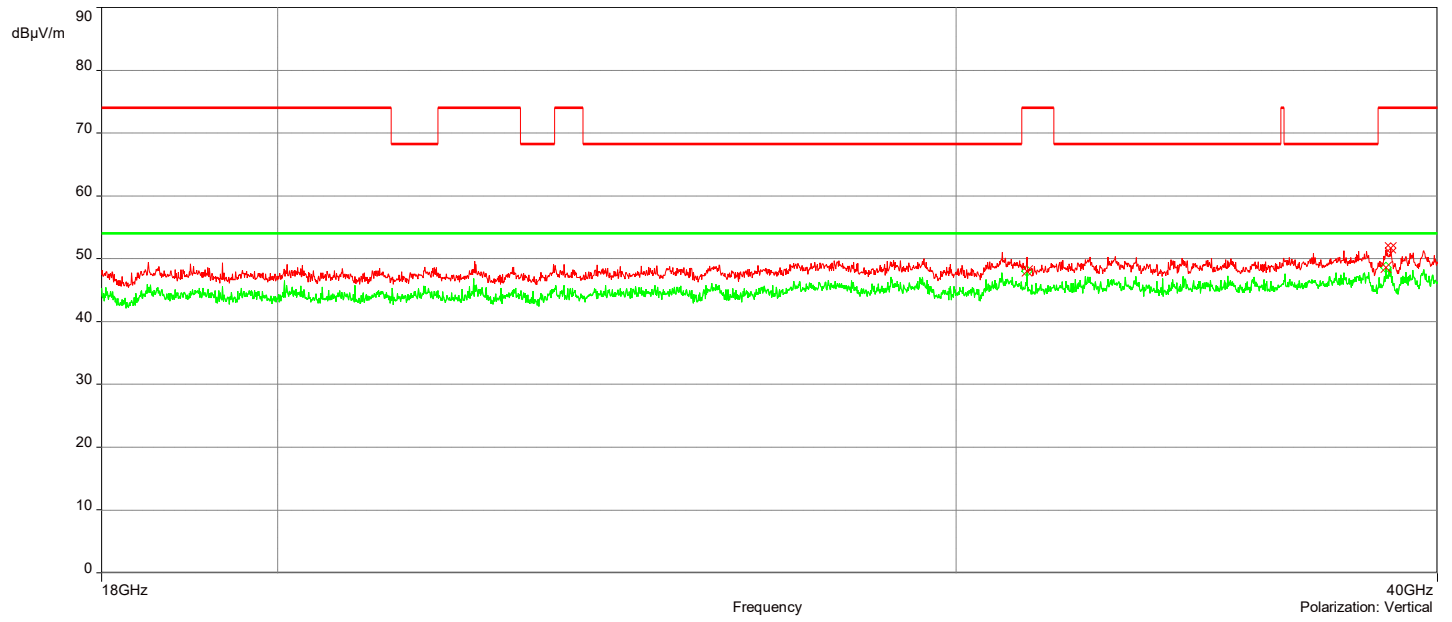
10/23/2023 11:38:13 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.892975GHz	51.71	6.11	74.00	-22.29	1.02	44.90	Vertical	Passed
2.	18.005GHz	50.07	-0.94	74.00	-23.93	3.97	179.90	Horizontal	Passed
3.	39.644992GHz	51.92	6.30	74.00	-22.08	1.42	224.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	31.301802GHz	47.99	6.63	54.00	-6.01	1.02	179.90	Vertical	Passed
2.	38.782472GHz	48.64	4.71	54.00	-5.36	1.21	89.90	Vertical	Passed
3.	32.440828GHz	48.33	6.85	54.00	-5.67	2.42	179.90	Horizontal	Passed
4.	39.679493GHz	48.21	6.12	54.00	-5.79	3.08	112.40	Horizontal	Passed

Overall Graphs:





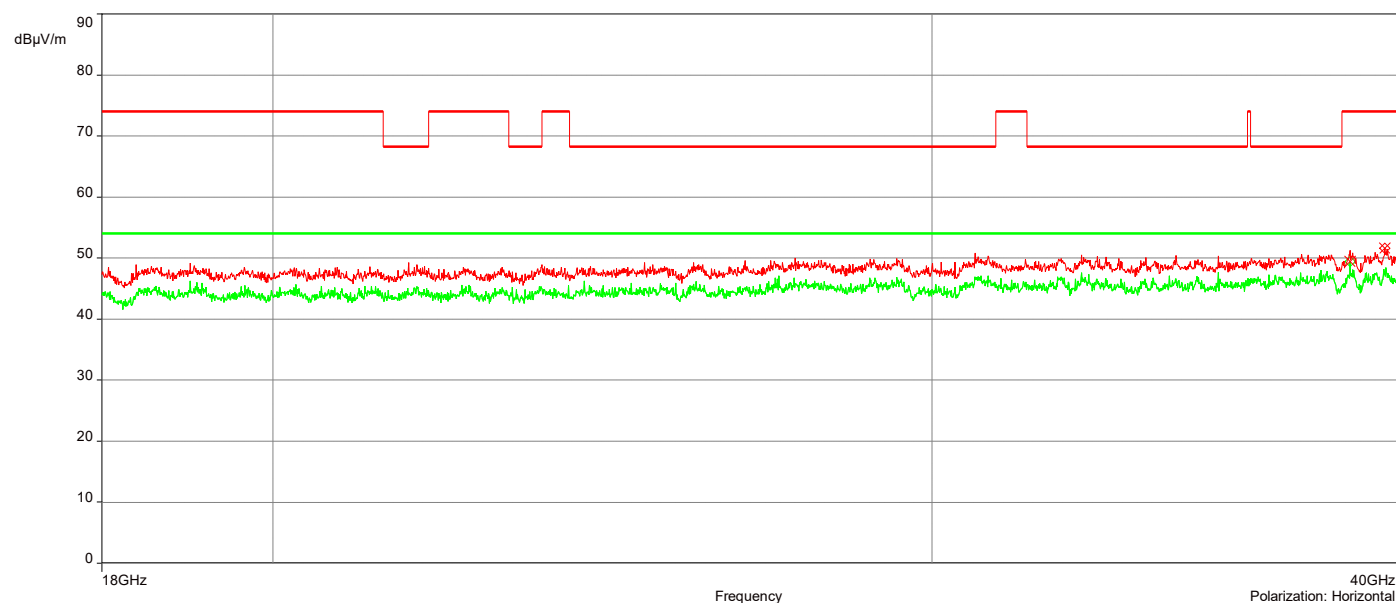
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 149_Pos-Y_18-40GHz

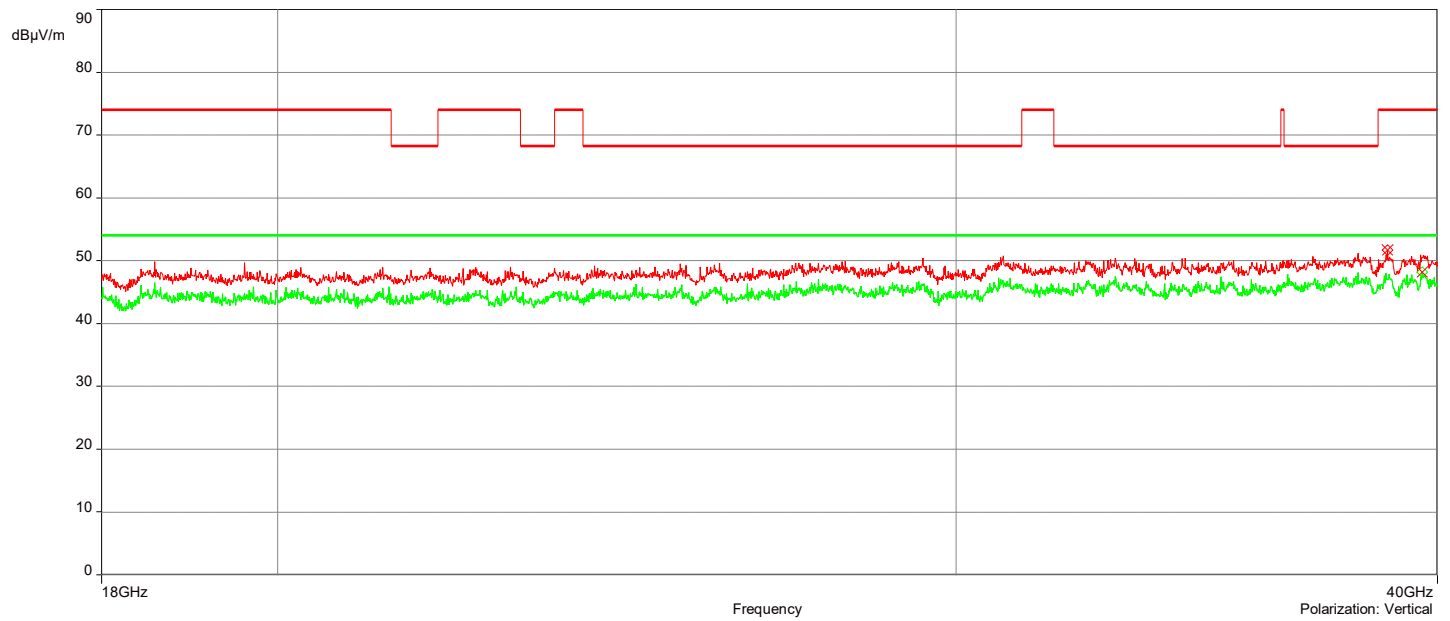
10/23/2023 12:13:51 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	38.818973GHz	51.66	5.10	74.00	-22.34	1.02	202.60	Vertical	Passed
2.	39.635492GHz	51.61	6.25	74.00	-22.39	3.51	270.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	39.639492GHz	48.23	6.10	54.00	-5.77	2.27	90.10	Vertical	Passed
2.	38.803973GHz	49.42	4.97	54.00	-4.58	3.00	292.60	Horizontal	Passed

Overall Graphs:





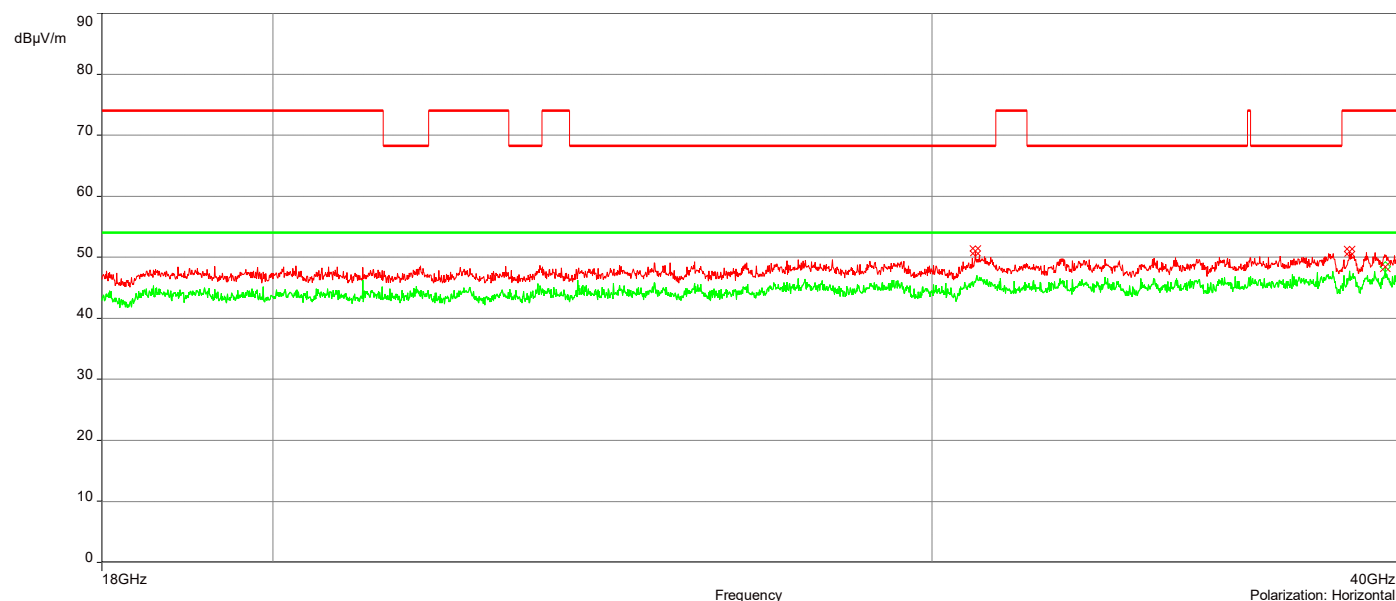
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 151_Pos-Y_18-40GHz

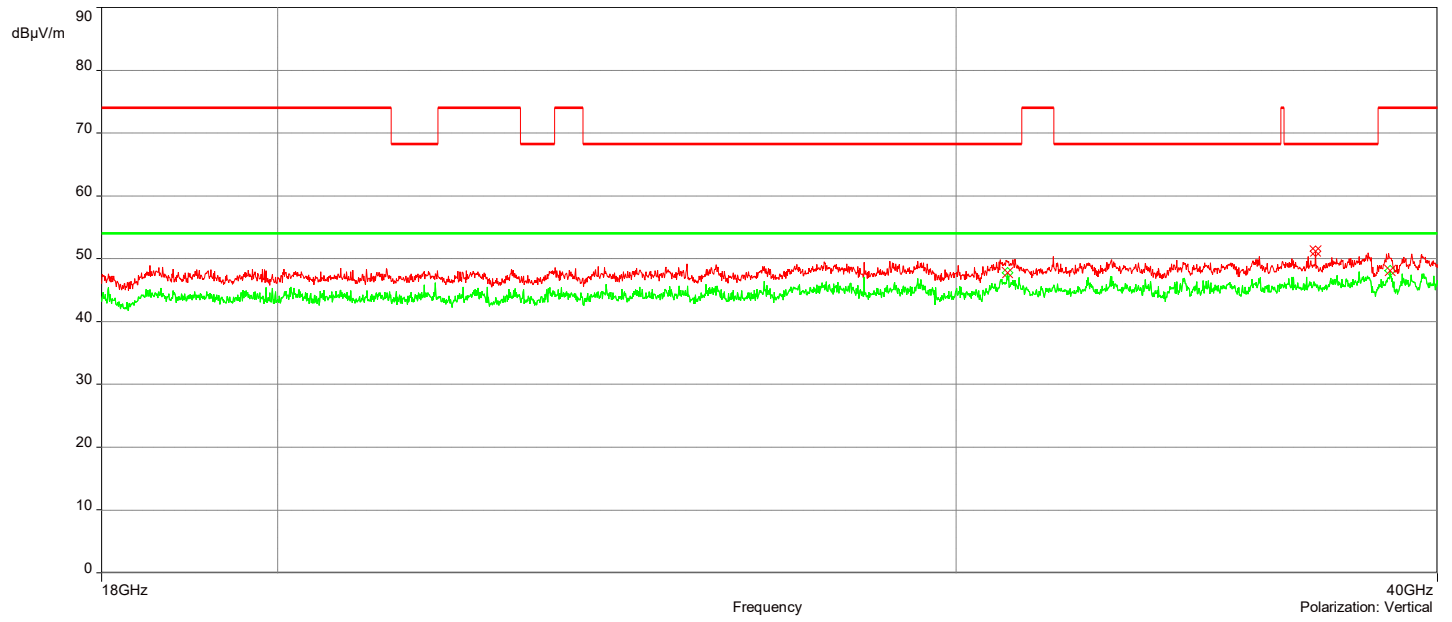
11/7/2023 4:38:19 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	37.188436GHz	51.19	3.08	68.23	-17.04	3.34	89.90	Vertical	Passed
2.	30.805791GHz	51.06	7.02	68.23	-17.17	2.19	179.90	Horizontal	Passed
3.	38.784972GHz	50.96	4.75	74.00	-23.04	2.56	0	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	30.933794GHz	47.76	7.00	54.00	-6.24	2.35	179.90	Vertical	Passed
2.	38.880475GHz	48.11	5.95	54.00	-5.89	2.60	202.40	Vertical	Passed
3.	39.650492GHz	48.42	6.28	54.00	-5.58	3.77	224.90	Horizontal	Passed

Overall Graphs:





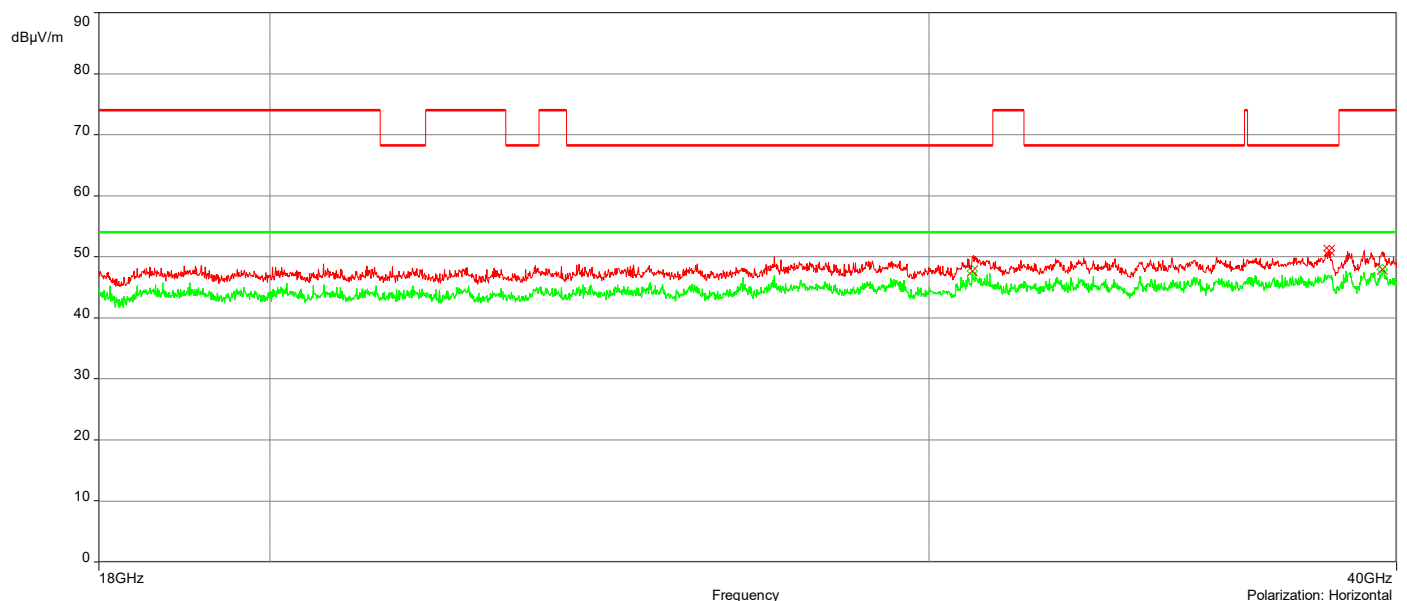
J23220_W300#1_5G UNII-3 802.11n_MCS0_Ch 159_Pos-Y_18-40GHz

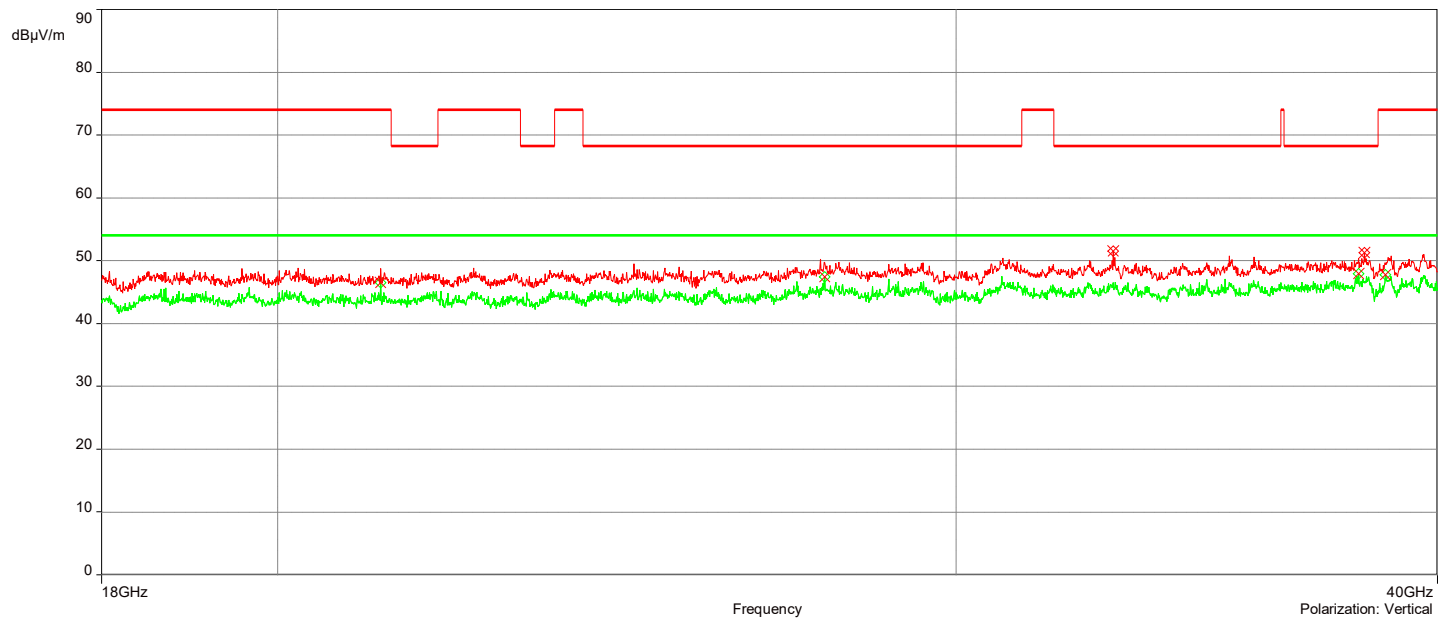
11/7/2023 4:59:03 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	32.95334GHz	51.49	6.11	68.23	-16.74	3.72	292.60	Vertical	Passed
2.	38.295961GHz	51.31	4.50	68.23	-16.92	3.97	135.10	Vertical	Passed
3.	38.378463GHz	51.07	4.62	68.23	-17.16	1.60	112.60	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	21.266074GHz	46.48	1.03	54.00	-7.52	3.52	157.50	Vertical	Passed
2.	27.728721GHz	47.41	6.09	54.00	-6.59	1.21	157.50	Vertical	Passed
3.	38.163958GHz	47.97	4.26	54.00	-6.03	3.98	225.10	Vertical	Passed
4.	38.770472GHz	47.78	4.47	54.00	-6.22	2.03	270.10	Vertical	Passed
5.	30.811791GHz	47.72	7.02	54.00	-6.28	1.98	315.10	Horizontal	Passed
6.	39.644492GHz	47.95	6.30	54.00	-6.05	2.80	202.60	Horizontal	Passed

Overall Graphs:





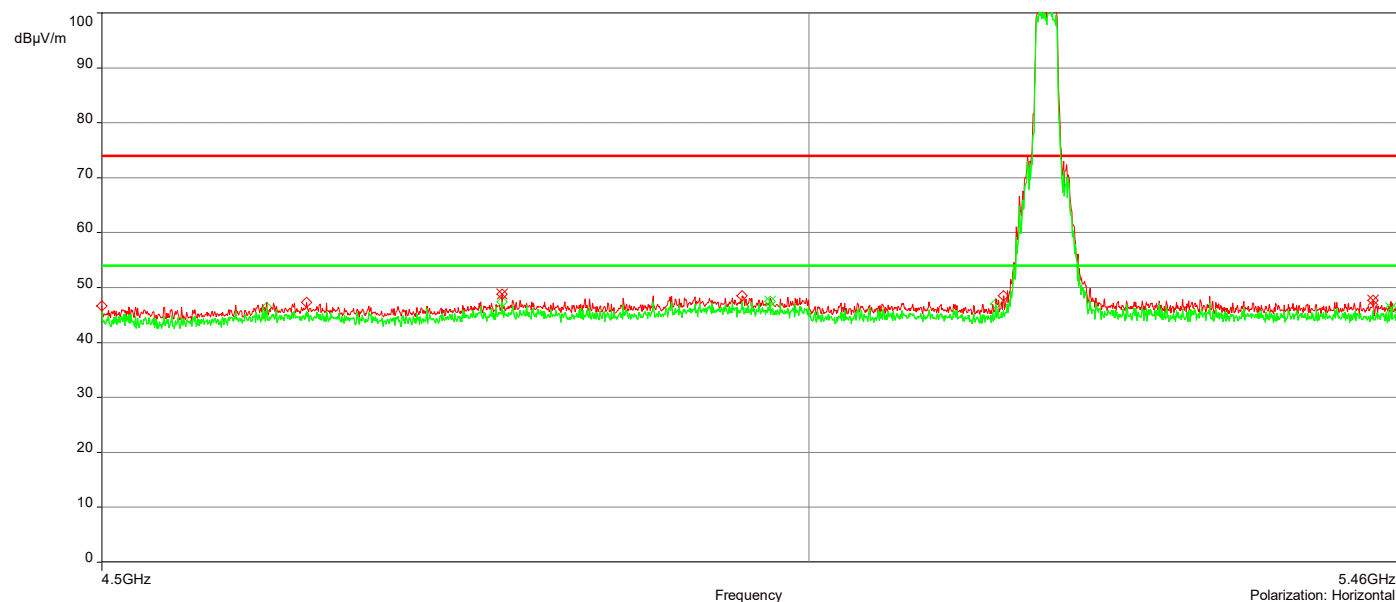
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11a_6Mbps_Ch 36

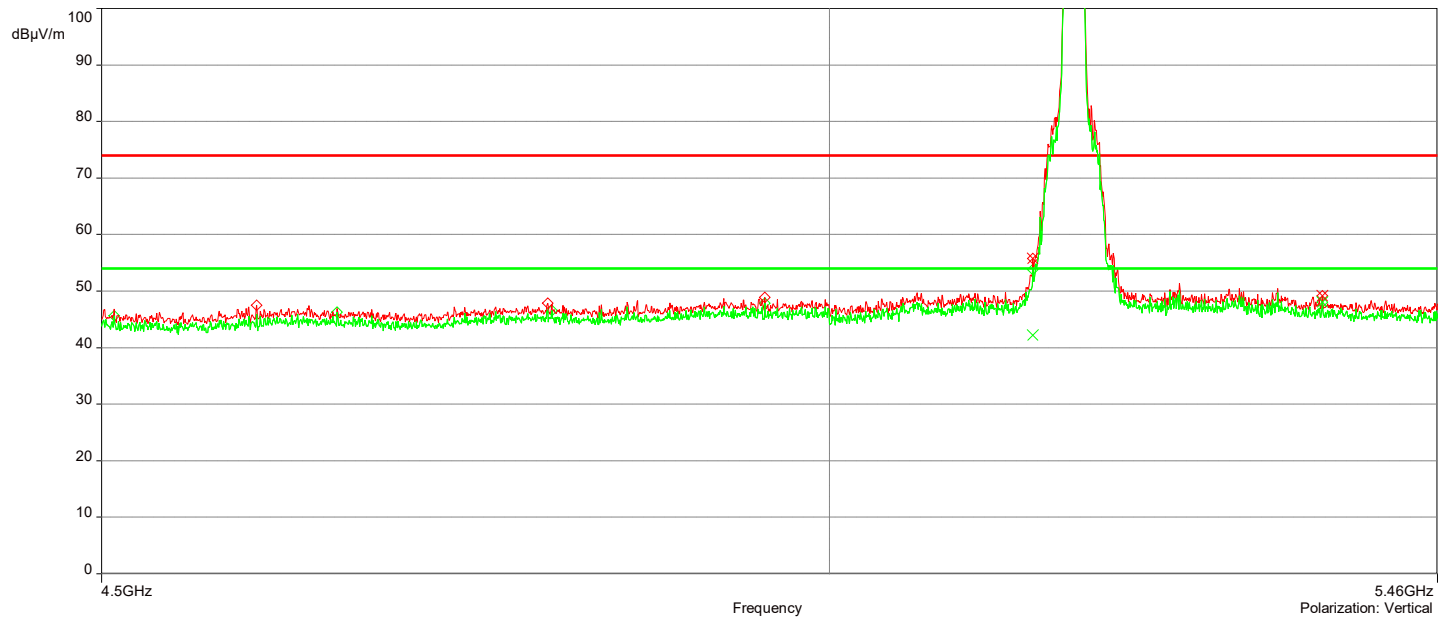
10/20/2023 11:15:47 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.7766183GHz	48.80	4.21	74.00	-25.20	3.00	356.20	Horizontal	Passed
2.	5.4383892GHz	47.67	5.20	74.00	-26.33	3.50	26.70	Horizontal	Passed
3.	5.1492846GHz	55.72	4.33	74.00	-18.28	3.00	240.10	Vertical	Passed
4.	5.3697149GHz	49.14	5.08	74.00	-24.86	1.00	39.70	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.9711156GHz	47.50	4.66	54.00	-6.50	3.00	3.60	Horizontal	Passed
2.	5.4527964GHz	46.32	5.20	54.00	-7.68	3.50	37.40	Horizontal	Passed
3.	5.1492846GHz	42.18	4.33	54.0074.00	-11.82	3.00	240.10	Vertical	Passed
4.	5.3697149GHz	48.01	5.08	54.0074.00	-5.99	1.00	39.70	Vertical	Passed

Overall Graphs:





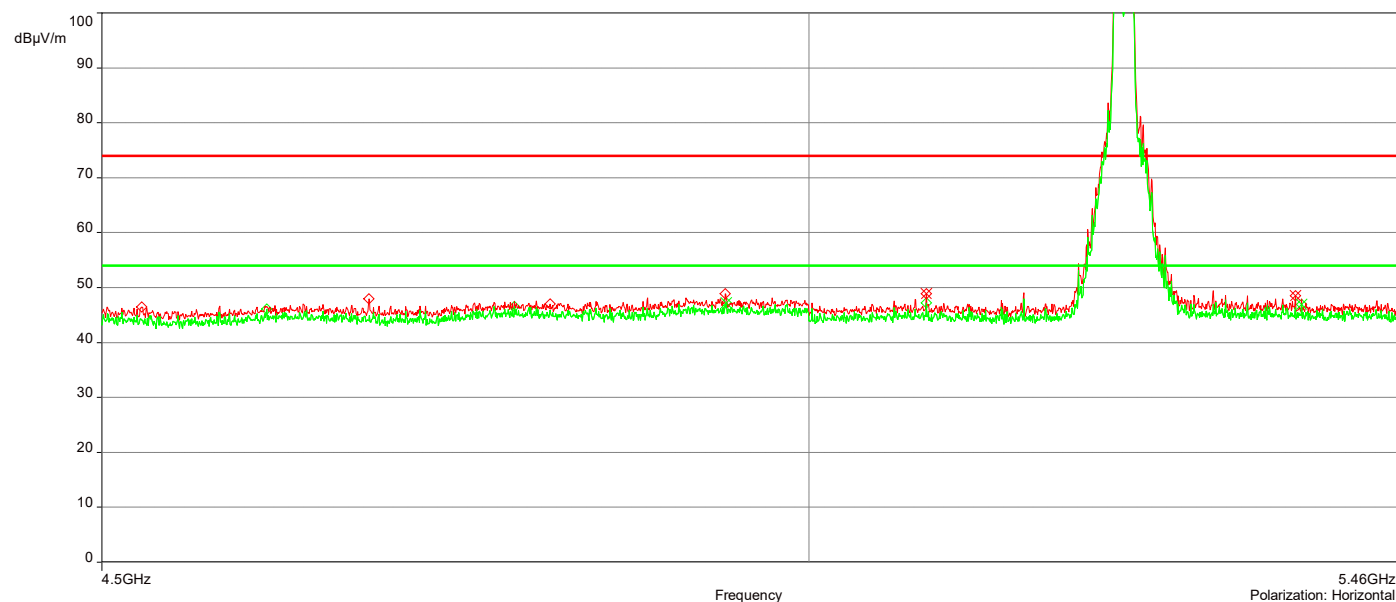
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11a_6Mbps_Ch 48

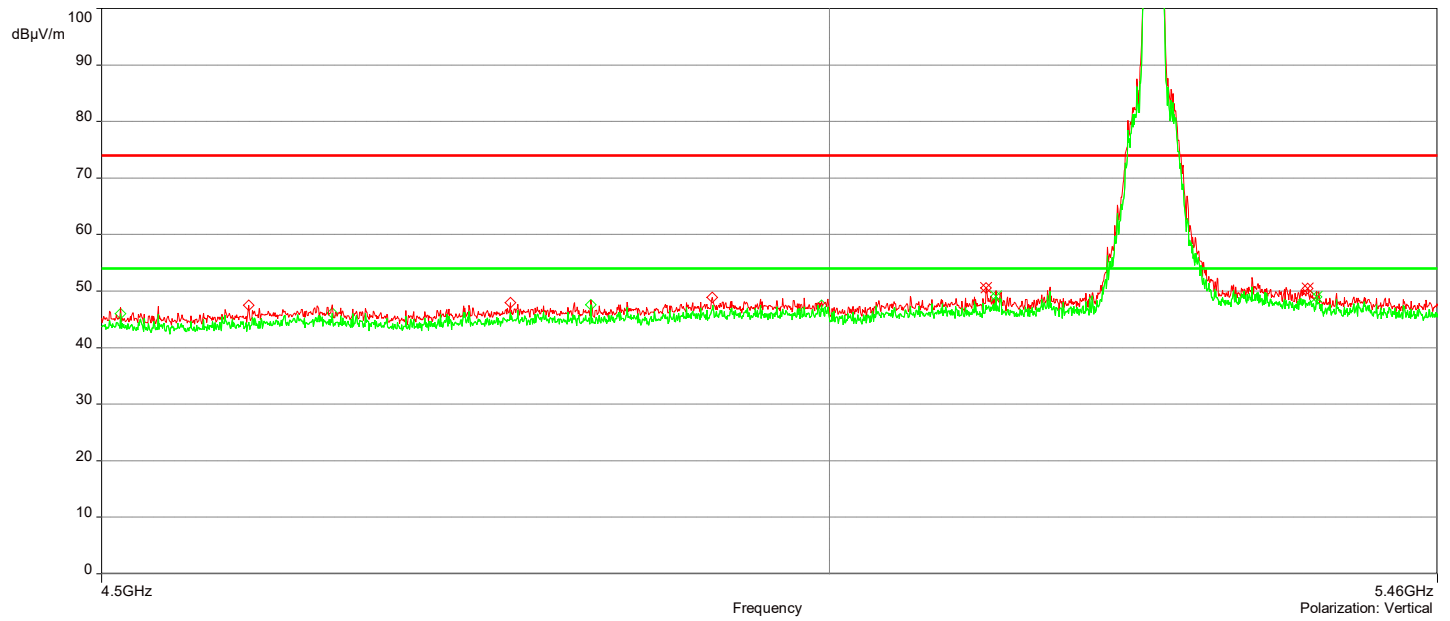
10/20/2023 11:33:18 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.0882941GHz	48.92	4.42	74.00	-25.08	1.50	144.20	Horizontal	Passed
2.	5.375958GHz	48.48	5.16	74.00	-25.52	1.00	332.10	Horizontal	Passed
3.	5.1147074GHz	50.61	4.39	74.00	-23.39	3.50	83.80	Vertical	Passed
4.	5.3581891GHz	50.51	5.01	74.00	-23.49	4.00	103.60	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.9389395GHz	47.23	4.69	54.00	-6.77	1.00	305.70	Horizontal	Passed
2.	5.3807604GHz	46.93	5.17	54.00	-7.07	2.50	231.50	Horizontal	Passed
3.	5.121911GHz	49.06	4.38	54.00	-4.94	3.50	89.10	Vertical	Passed
4.	5.3653927GHz	48.98	5.05	54.00	-5.02	1.00	4.10	Vertical	Passed

Overall Graphs:





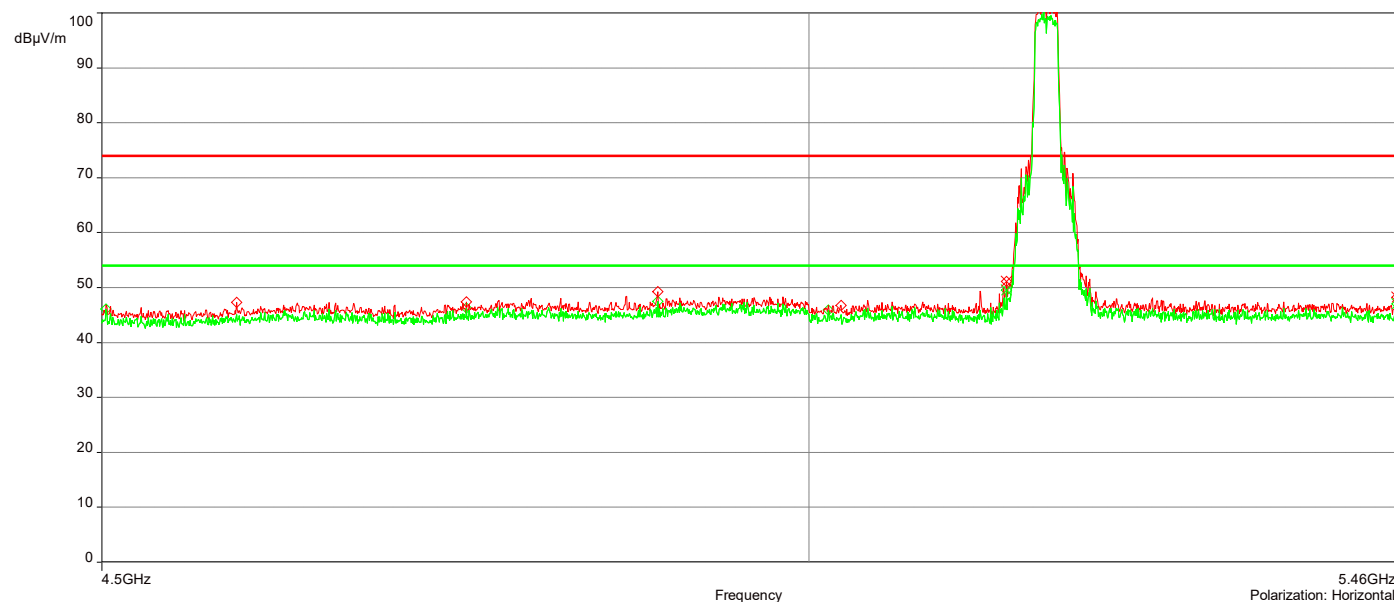
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11n_MCS0_Ch 36

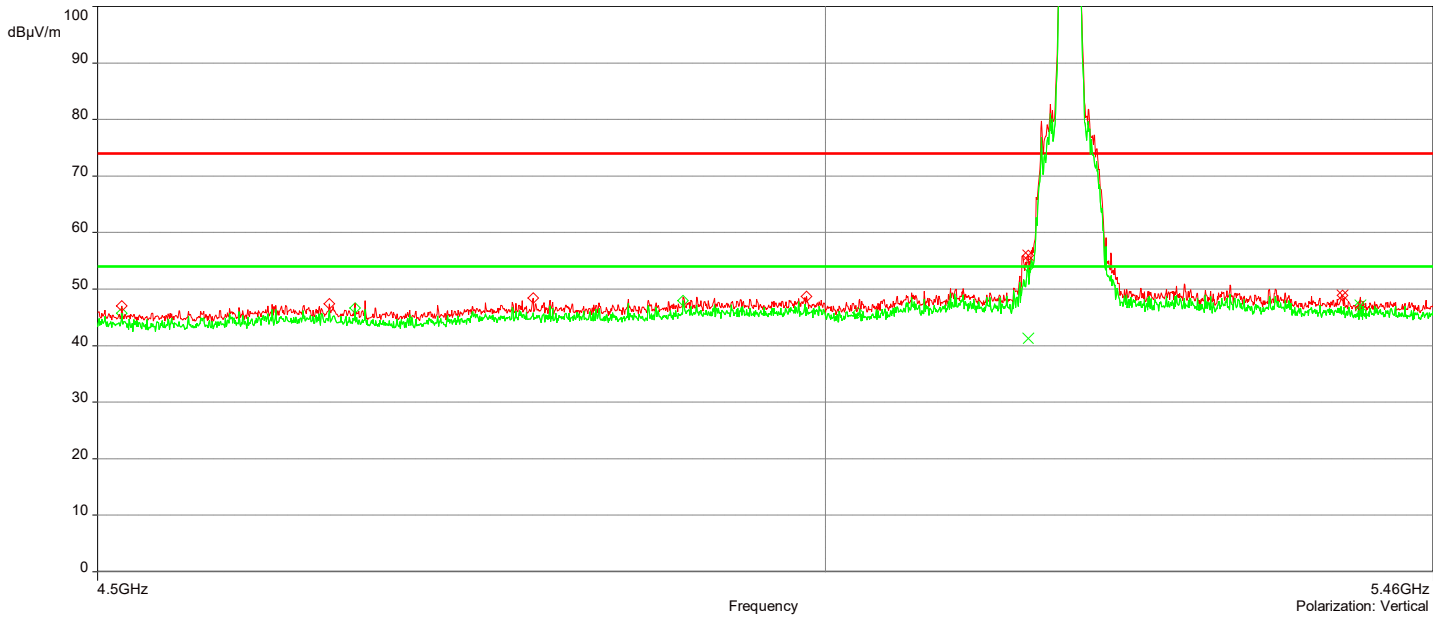
10/20/2023 11:45:41 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.1492846GHz	51.12	4.39	74.00	-22.88	1.00	255.10	Horizontal	Passed
2.	5.458079GHz	48.22	5.19	74.00	-25.78	3.00	117.60	Horizontal	Passed
3.	5.1488044GHz	55.97	4.33	74.00	-18.03	3.00	300.10	Vertical	Passed
4.	5.3884442GHz	48.92	5.12	74.00	-25.08	1.00	271.30	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	5.1492846GHz	49.54	4.39	54.00	-4.46	1.00	255.10	Horizontal	Passed
2.	5.458079GHz	47.02	5.19	54.00	-6.98	3.00	117.60	Horizontal	Passed
3.	5.1488044GHz	41.31	4.33	54.00	-12.69	3.00	300.10	Vertical	Passed
4.	5.4023712GHz	47.17	5.15	54.00	-6.83	1.00	0.10	Vertical	Passed

Overall Graphs:





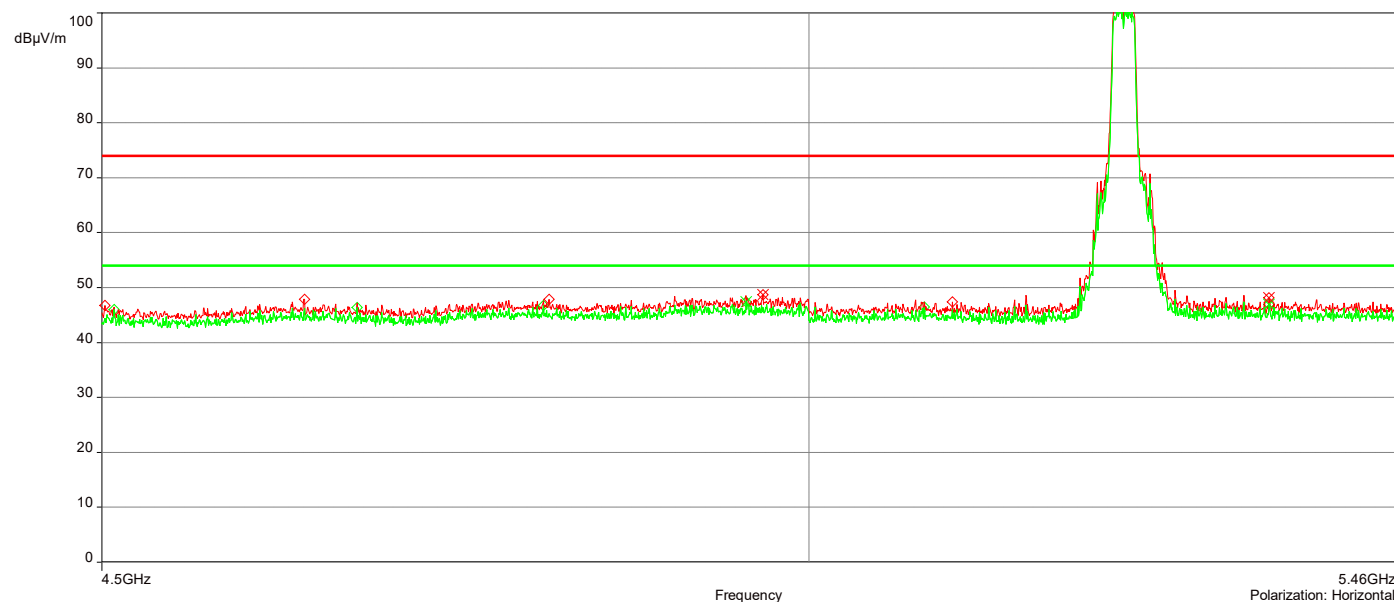
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11n_MCS0_Ch 48

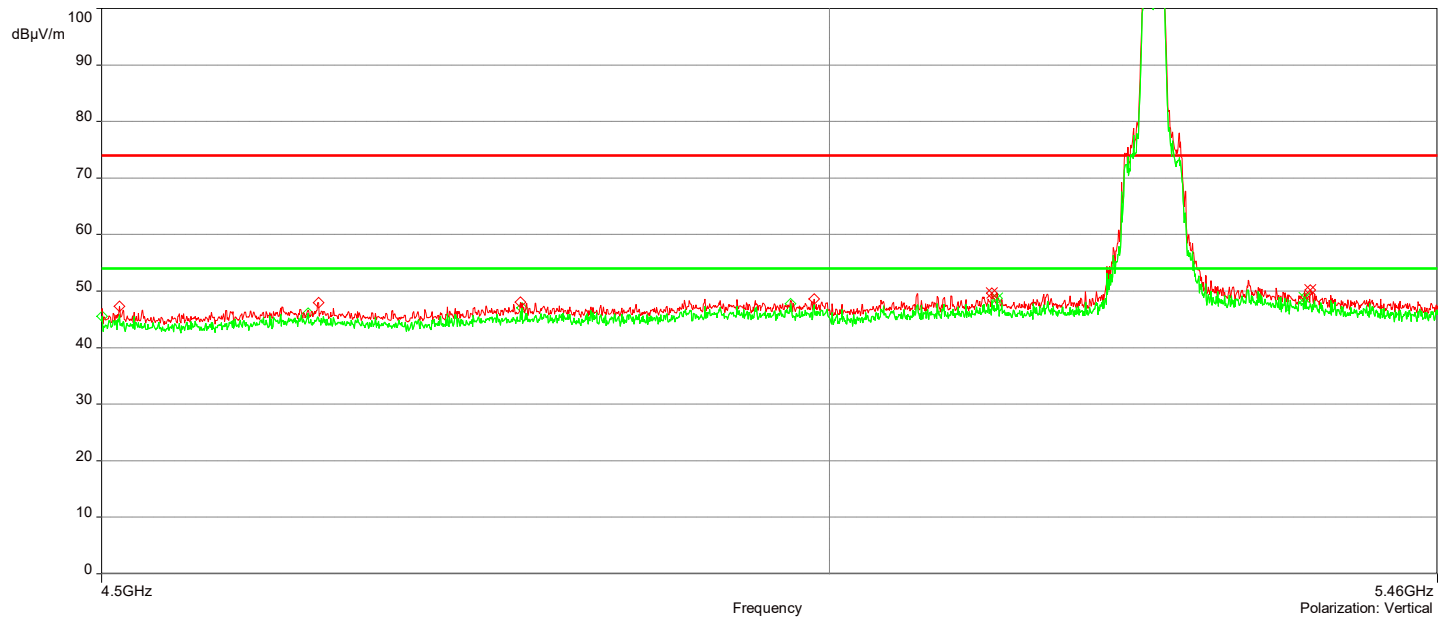
10/20/2023 12:16:48 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.9658329GHz	48.73	4.65	74.00	-25.27	2.50	31.30	Horizontal	Passed
2.	5.3548274GHz	48.10	5.05	74.00	-25.90	1.00	251.50	Horizontal	Passed
3.	5.1190295GHz	49.62	4.39	74.00	-24.38	3.00	240.30	Vertical	Passed
4.	5.3605903GHz	50.21	5.03	74.00	-23.79	2.50	218.10	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.9533467GHz	47.44	4.66	54.00	-6.56	1.50	326.40	Horizontal	Passed
2.	5.3548274GHz	46.92	5.05	54.00	-7.08	1.00	251.50	Horizontal	Passed
3.	5.1228714GHz	48.70	4.38	54.00	-5.30	4.00	24.20	Vertical	Passed
4.	5.3557879GHz	48.76	5.00	54.00	-5.24	3.00	299.70	Vertical	Passed

Overall Graphs:





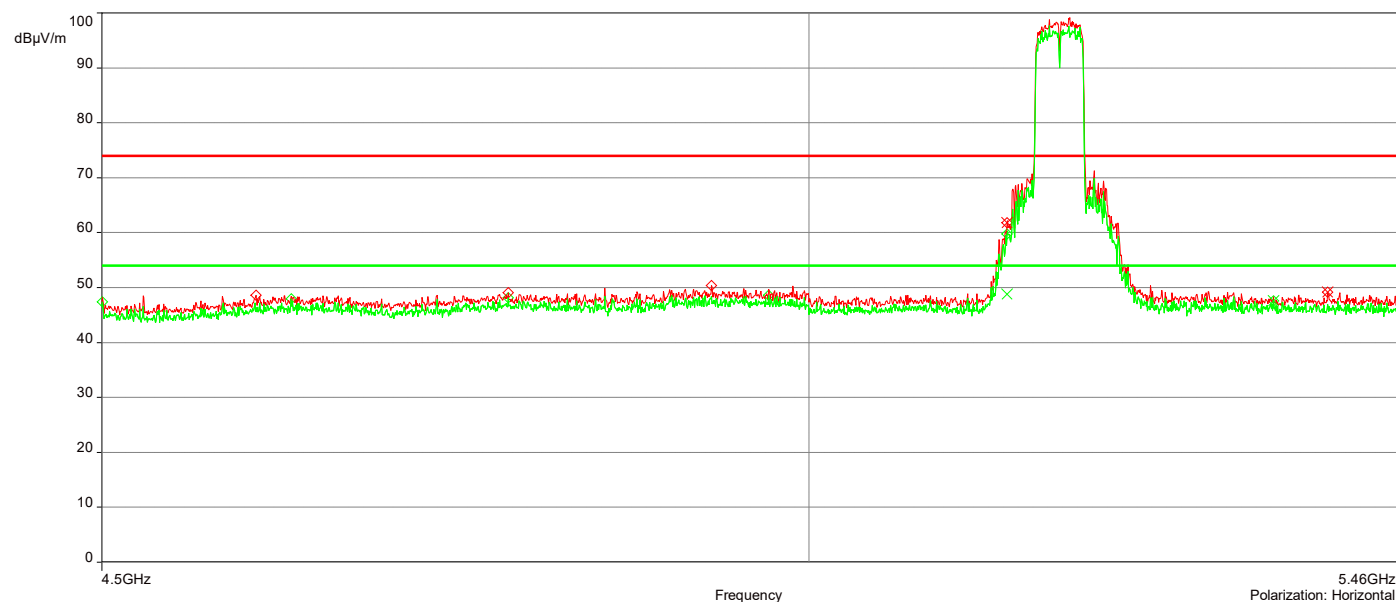
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11n_MCS0_Ch 38

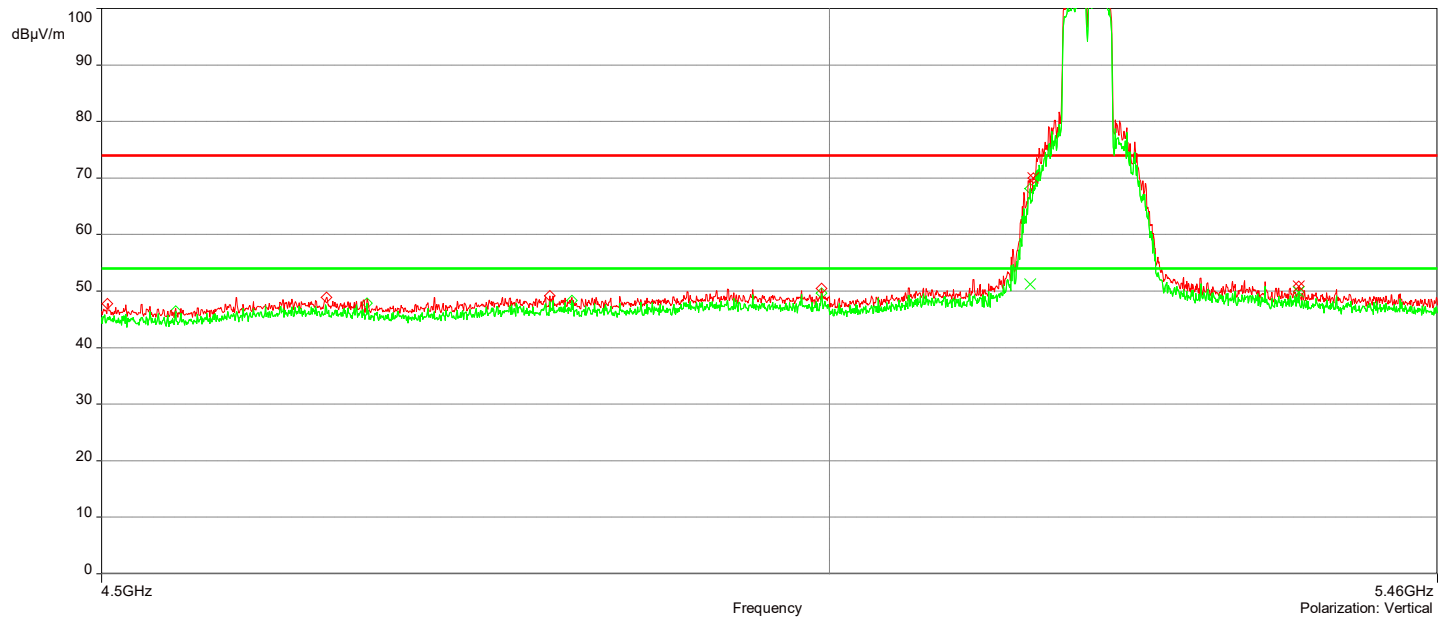
12/5/2023 7:36:57 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.1497649GHz	61.85	4.39	74.00	-12.15	1.00	304.90	Horizontal	Passed
2.	5.4018909GHz	49.21	6.51	74.00	-24.79	2.00	118.80	Horizontal	Passed
3.	5.1497649GHz	69.95	5.68	74.00	-4.05	3.00	236.90	Vertical	Passed
4.	5.3514657GHz	50.82	6.30	74.00	-23.18	1.00	94.70	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	5.1497649GHz	48.77	4.39	54.00	-5.23	1.00	304.90	Horizontal	Passed
2.	5.3581891GHz	47.59	6.39	54.00	-6.41	2.00	313.40	Horizontal	Passed
3.	5.1473637GHz	51.20	4.33	54.00	-2.80	3.50	234.90	Vertical	Passed
4.	5.3514657GHz	49.84	6.30	54.00	-4.16	1.00	94.70	Vertical	Passed

Overall Graphs:





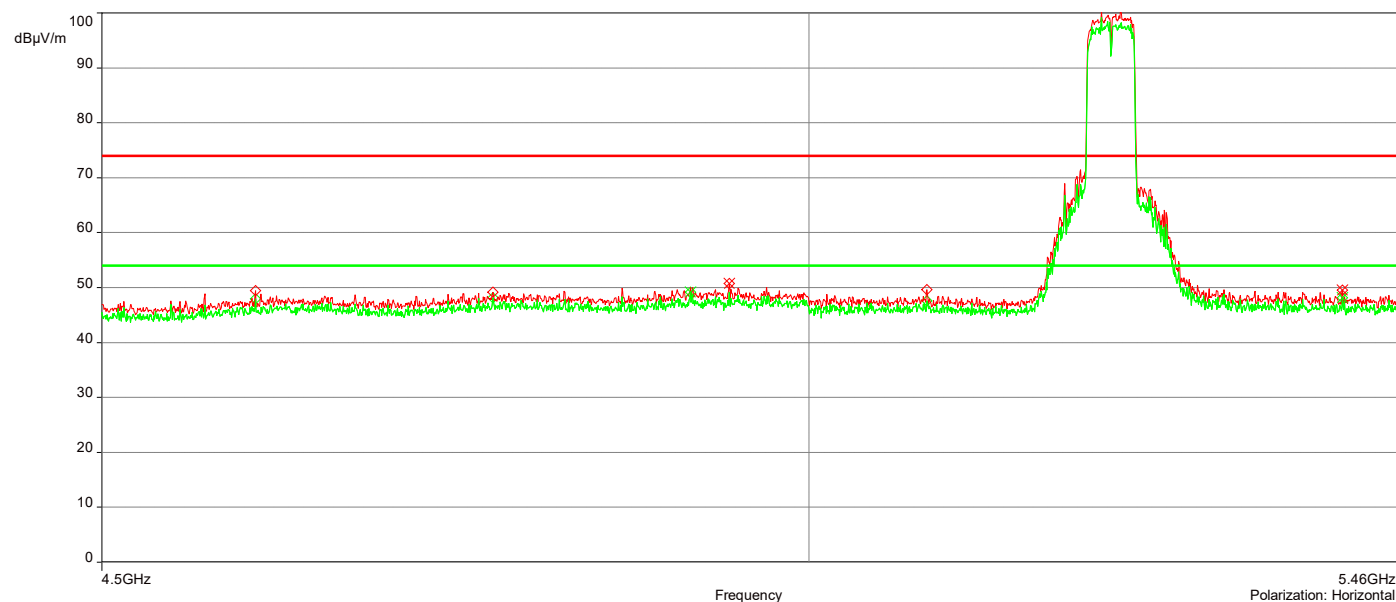
J23220_W300#1_5G_Restricted Bandedge_UNII-1 802.11n_MCS0_Ch 46

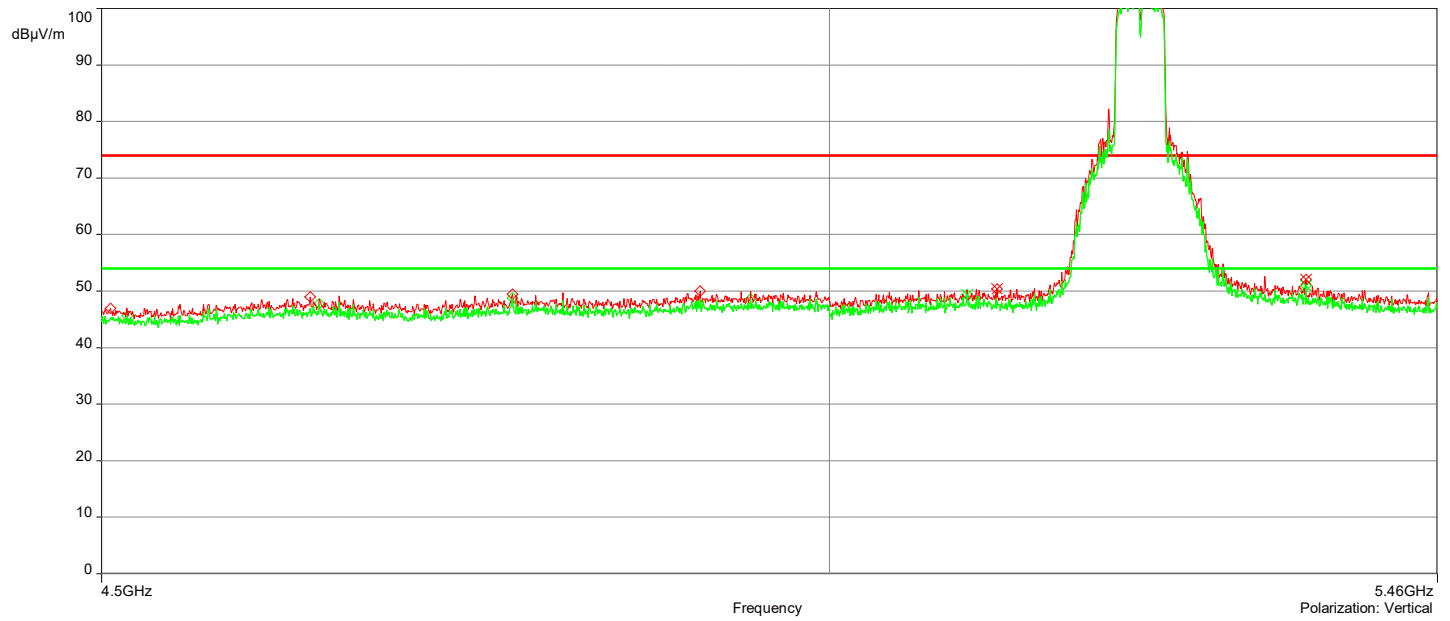
12/5/2023 7:53:33 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.9408604GHz	50.73	6.07	74.00	-23.27	3.00	330.40	Horizontal	Passed
2.	5.4138969GHz	49.57	6.51	74.00	-24.43	3.00	332.50	Horizontal	Passed
3.	5.1228714GHz	50.41	5.74	74.00	-23.59	1.00	39.70	Vertical	Passed
4.	5.3572286GHz	52.10	6.33	74.00	-21.90	3.00	240.30	Vertical	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	4.9125263GHz	49.20	6.12	54.00	-4.80	2.50	47.00	Horizontal	Passed
2.	5.4138969GHz	48.13	6.51	54.00	-5.87	3.00	332.50	Horizontal	Passed
3.	5.1007804GHz	49.33	5.80	54.00	-4.67	3.50	341.80	Vertical	Passed
4.	5.3572286GHz	50.93	6.33	54.00	-3.07	3.00	240.30	Vertical	Passed

Overall Graphs:



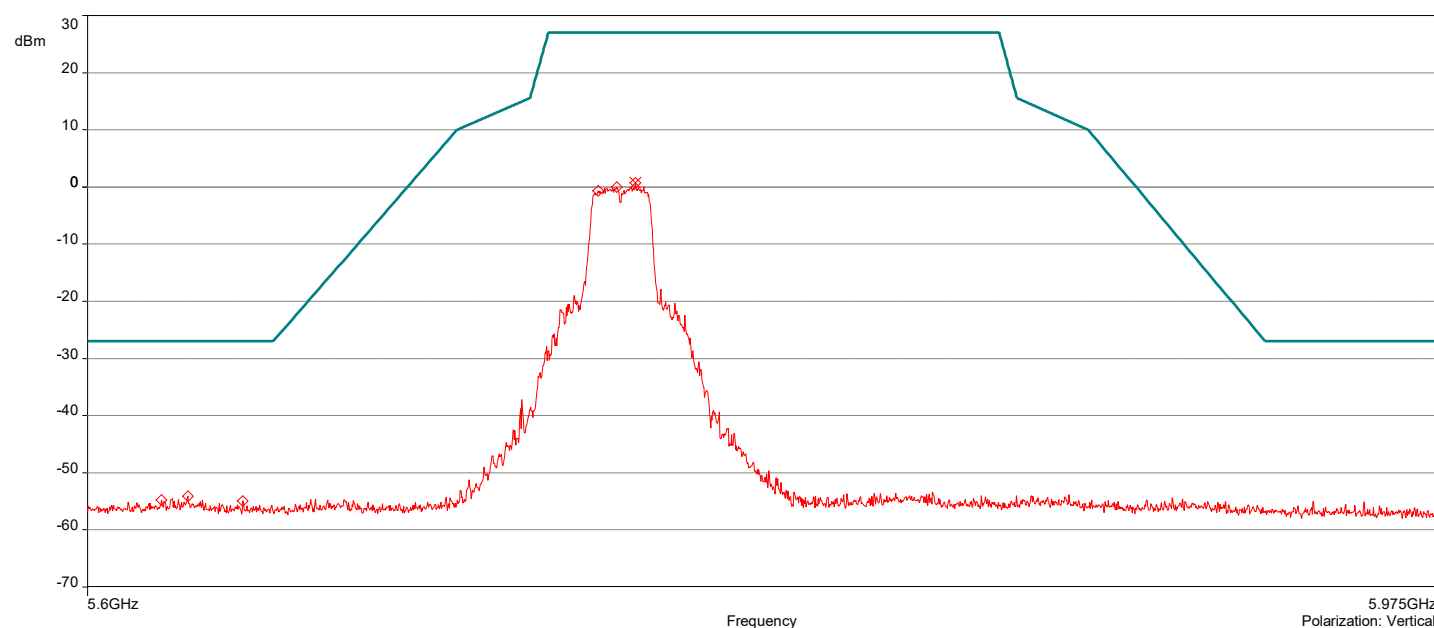
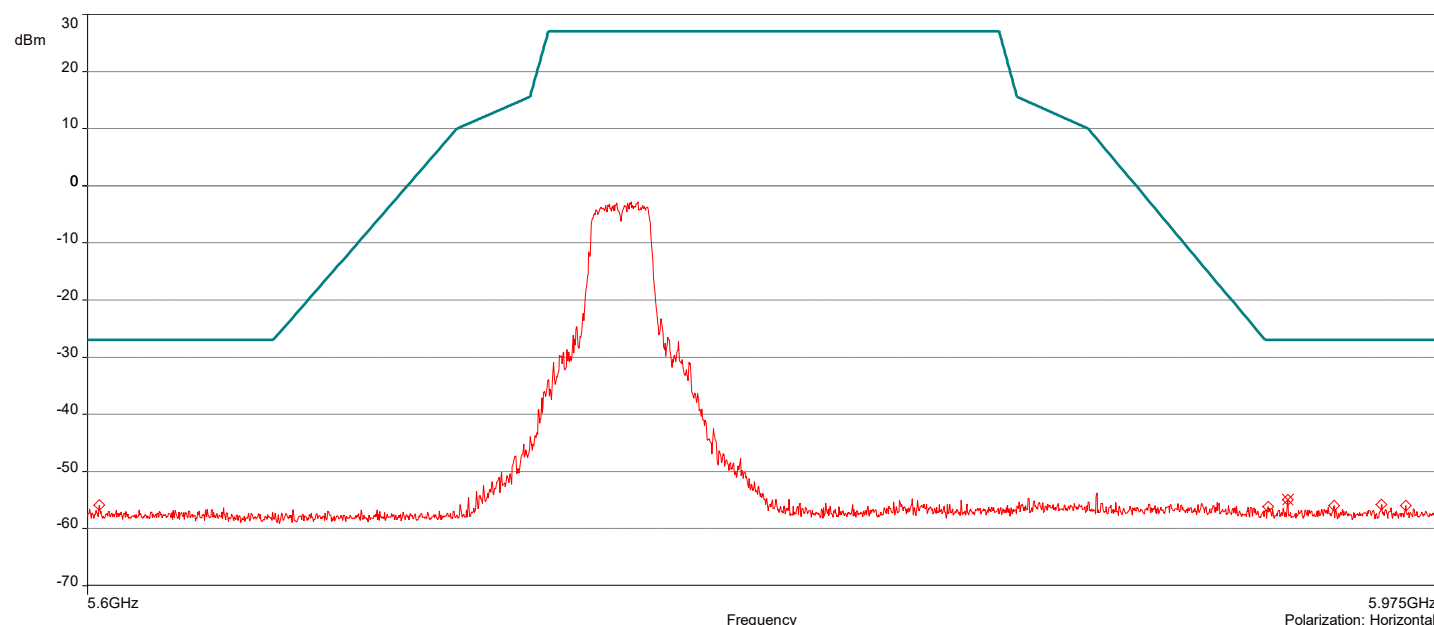


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11a_6Mbps_Ch 149

10/20/2023 10:39:50 AM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.9315GHz	-54.95	5.40	-27.00	-27.95	1.50	259.50	Horizontal	Passed
2.	5.748875GHz	0.74	4.95	27.00	-26.26	2.50	240.60	Vertical	Passed

Overall Graphs:

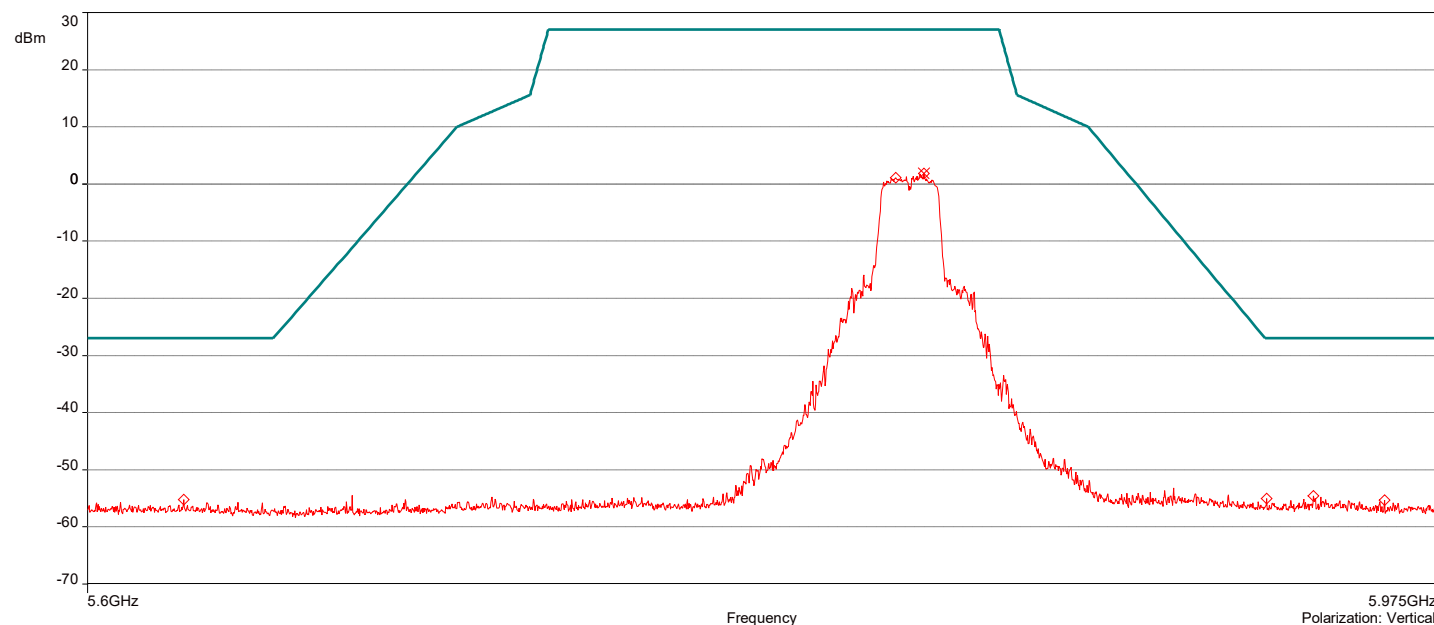
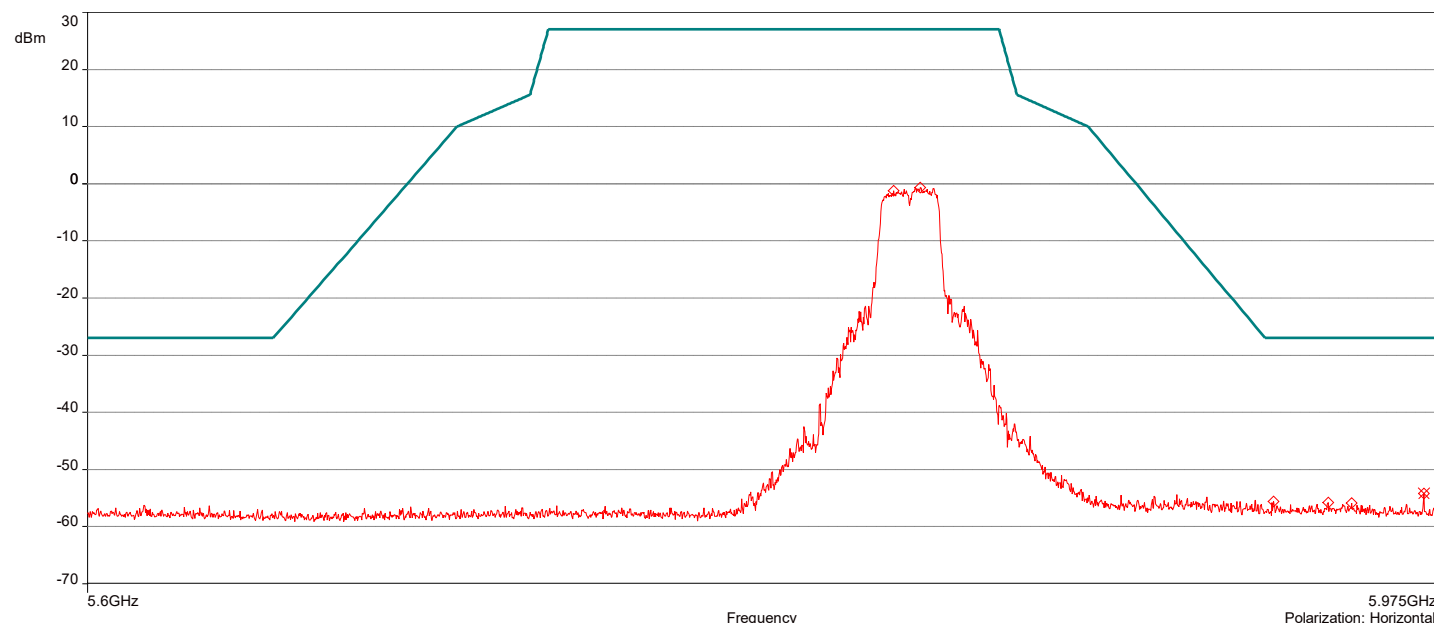


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11a_6Mbps_Ch 165

10/20/2023 10:58:59 AM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.9703125GHz	-54.17	5.43	-27.00	-27.17	1.50	113.10	Horizontal	Passed
2.	5.8289375GHz	1.84	5.24	27.00	-25.16	3.00	241.20	Vertical	Passed

Overall Graphs:

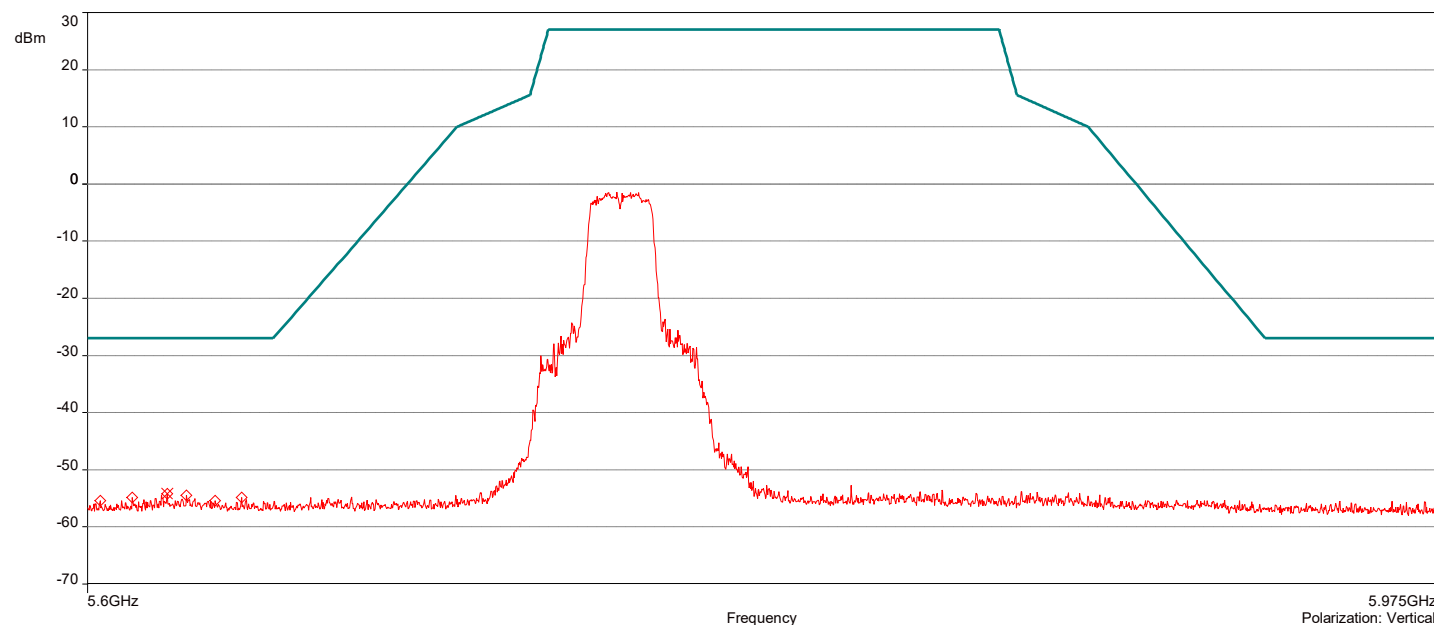
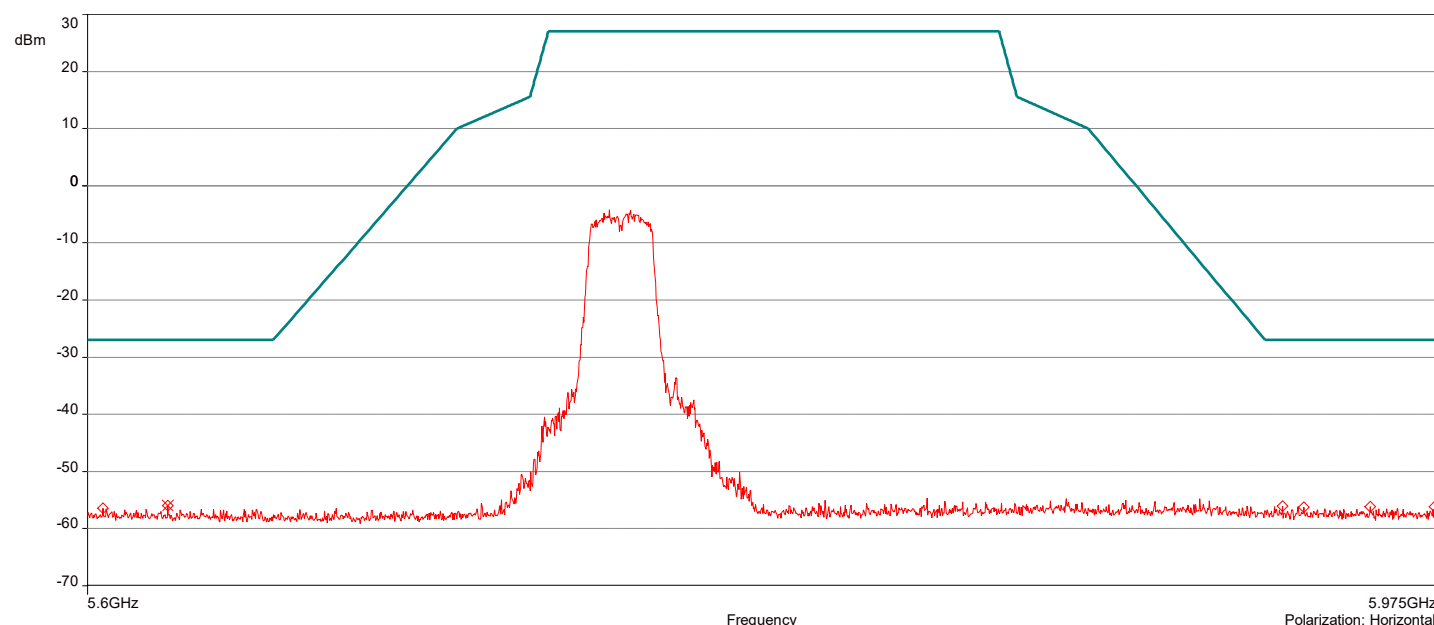


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11n_MCS0_Ch 149

10/20/2023 10:10:30 AM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.6215625GHz	-55.97	5.14	-27.00	-28.97	4.00	128.00	Horizontal	Passed
2.	5.621375GHz	-54.21	5.11	-27.00	-27.21	1.50	7.10	Vertical	Passed

Overall Graphs:

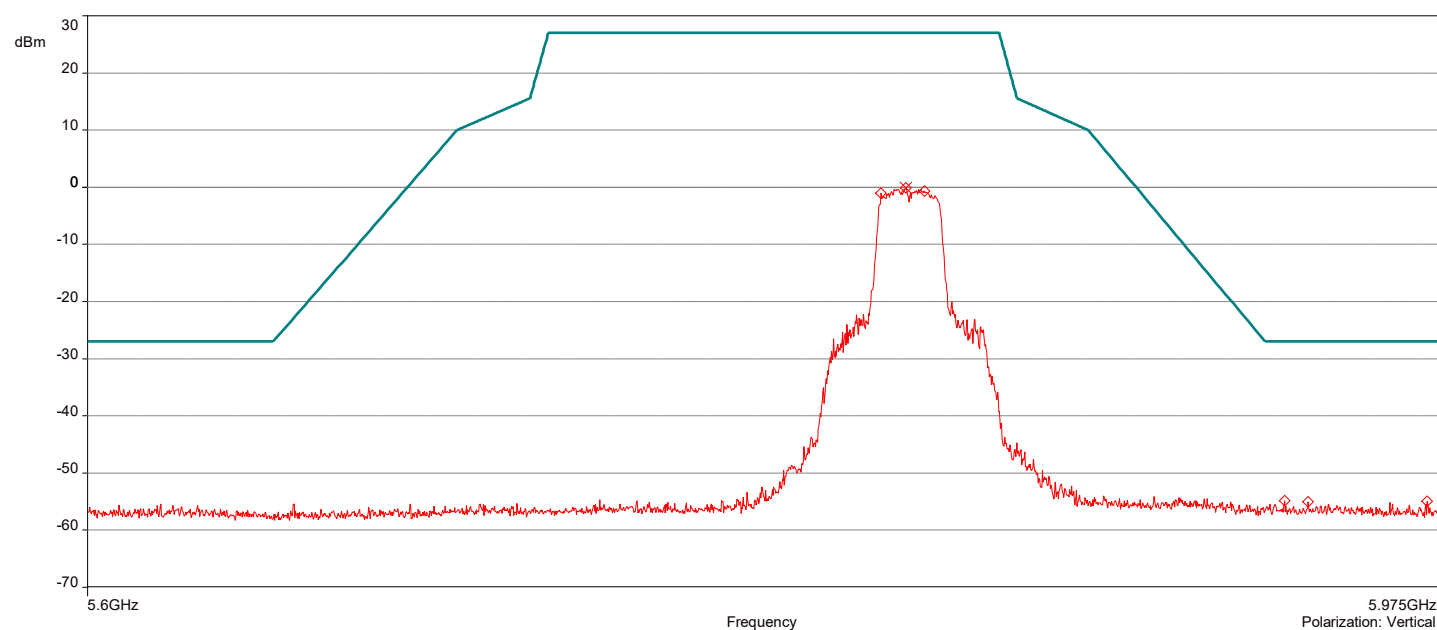
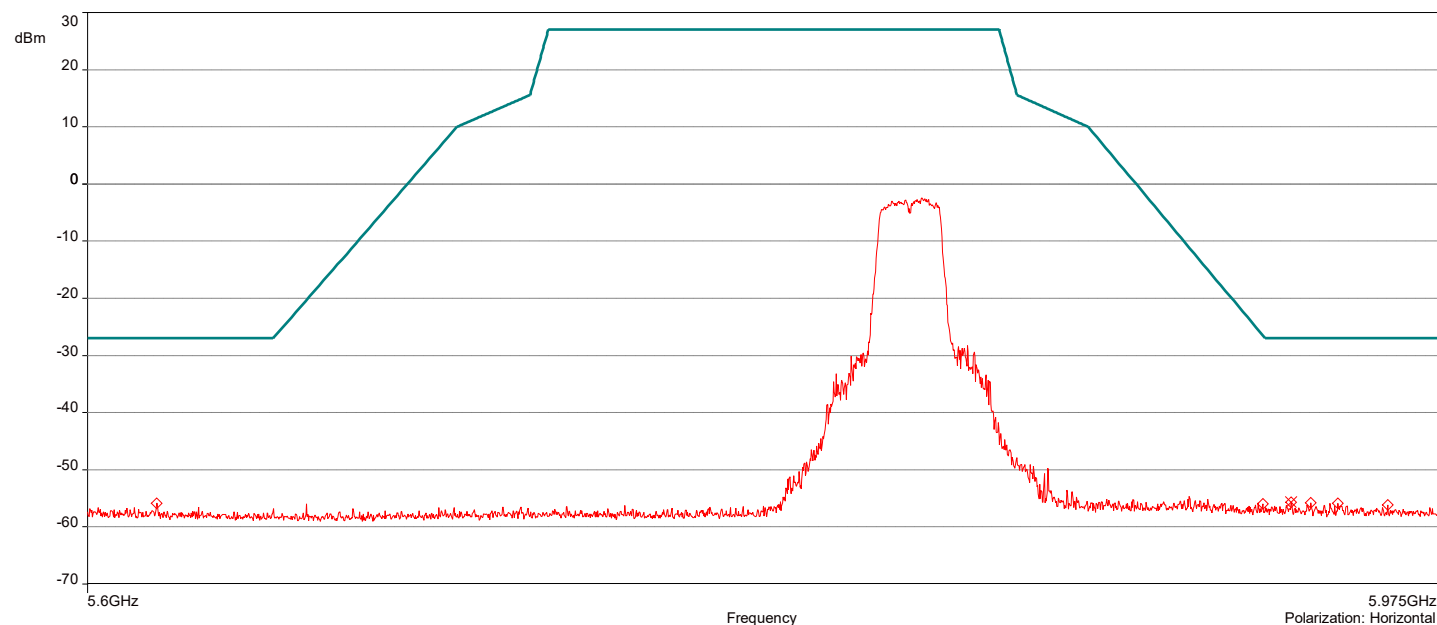


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11n_MCS0_Ch 165

10/20/2023 10:26:40 AM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.9324375GHz	-55.65	5.40	-27.00	-28.65	3.50	36.80	Horizontal	Passed

Overall Graphs:

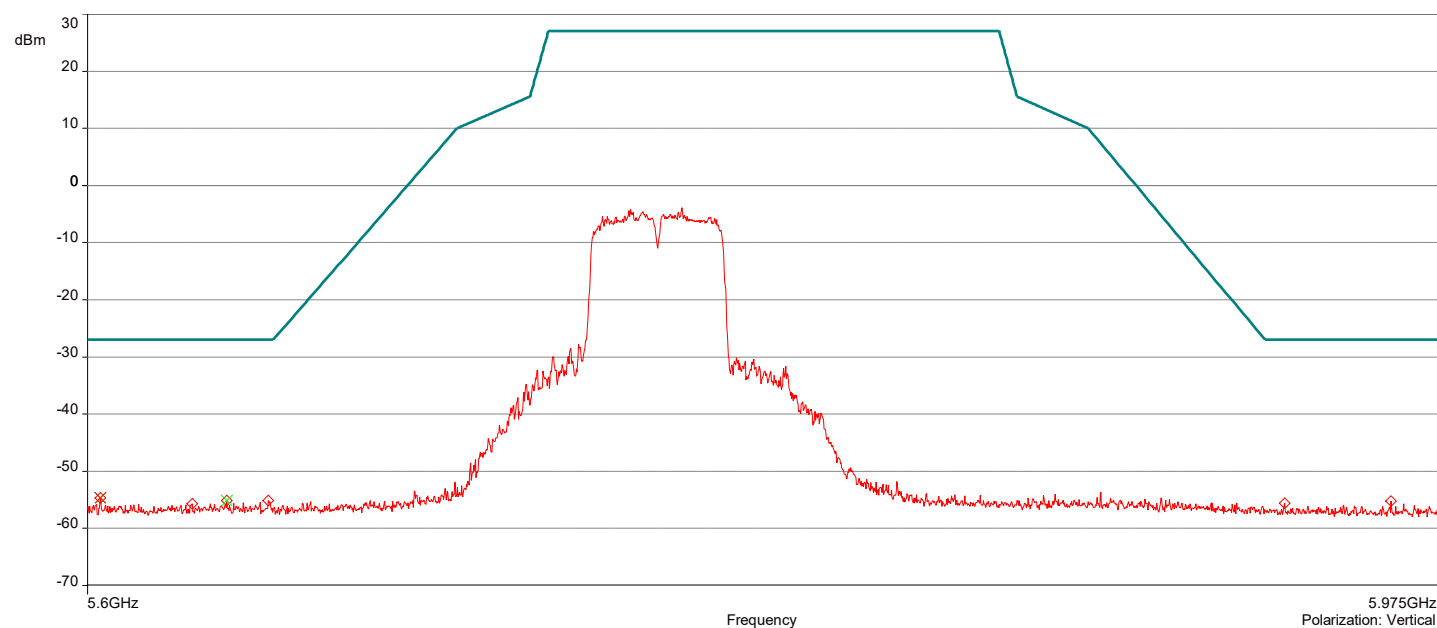
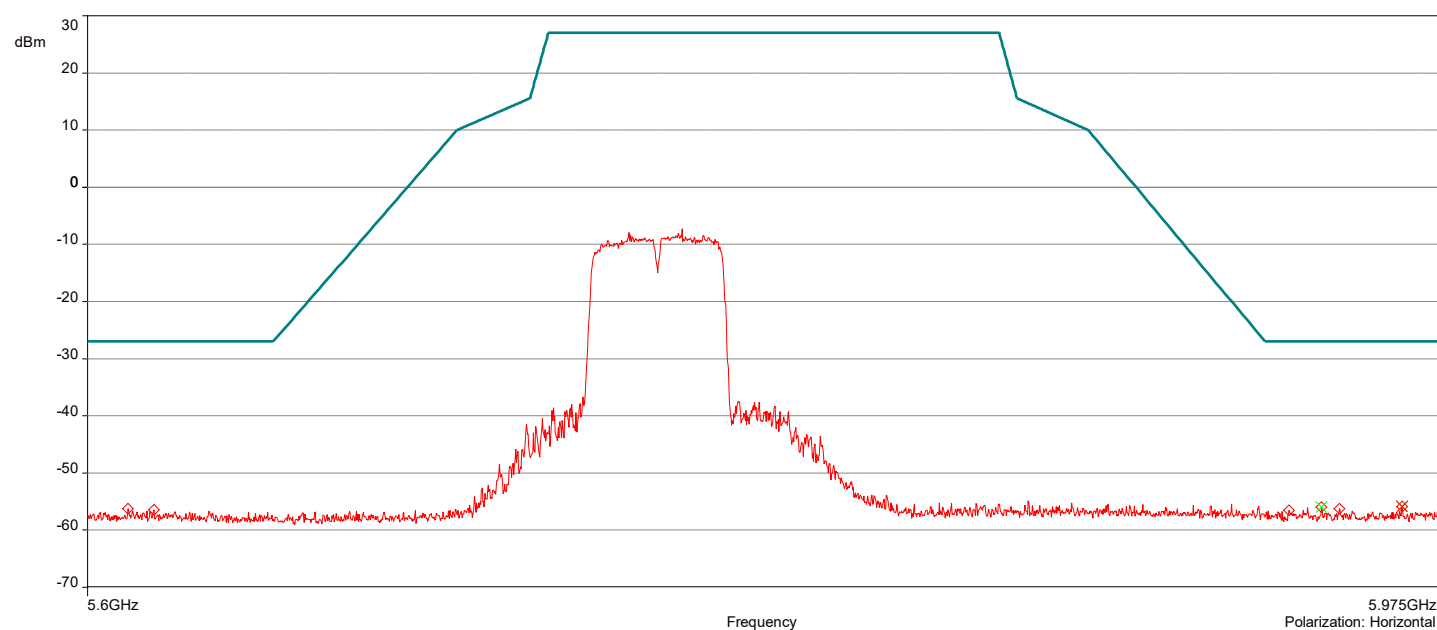


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11n_MCS0_Ch 151

12/5/2023 8:07:31 PM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.9410625GHz	-55.93	5.39	-27.00	-28.93	1.00	288.90	Horizontal	Passed
2.	5.964125GHz	-55.89	5.42	-27.00	-28.89	3.00	292.30	Horizontal	Passed
3.	5.603375GHz	-54.69	5.10	-27.00	-27.69	1.00	0.10	Vertical	Passed
4.	5.6375GHz	-55.11	5.11	-27.00	-28.11	1.00	222.70	Vertical	Passed

Overall Graphs:

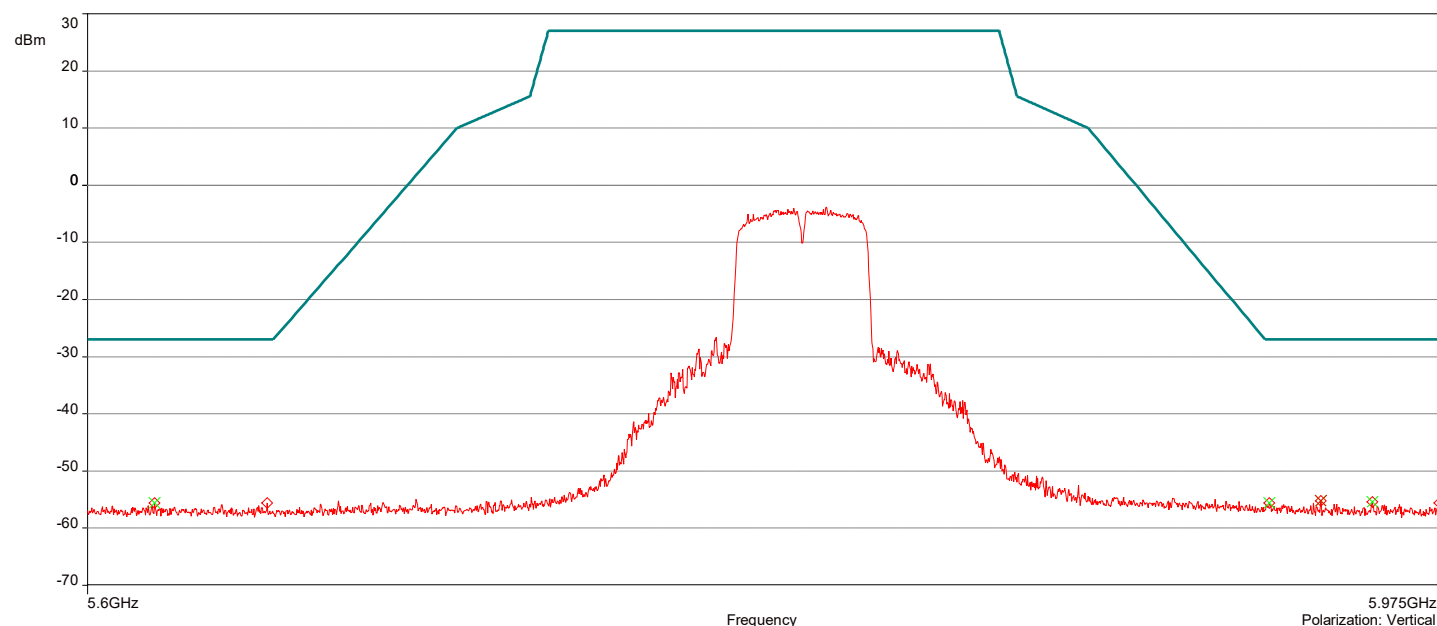
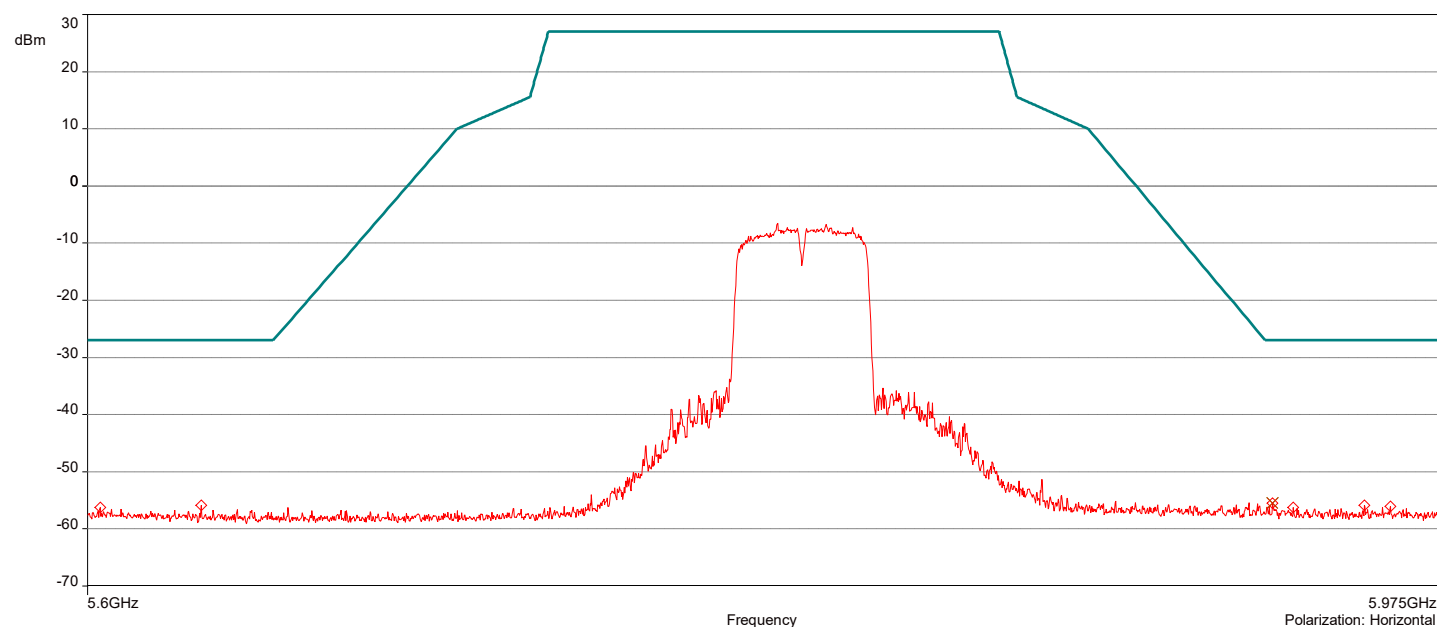


J23220_W300#1_5G_Restricted Bandedge_UNII-3 802.11n_MCS0_Ch 159

12/5/2023 8:26:36 PM

No	Frequency (MHz)	Level Peak Reading (dBm)	Correction Factor (dB)	Limit dBm	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.9271875GHz	-55.48	5.42	-27.00	-28.48	2.00	254.20	Horizontal	Passed
2.	5.618GHz	-55.55	5.11	-27.00	-28.55	4.00	33.20	Vertical	Passed
3.	5.92625GHz	-55.58	5.50	-27.00	-28.58	4.00	280.70	Vertical	Passed
4.	5.940875GHz	-55.23	5.45	-27.00	-28.23	4.00	245.60	Vertical	Passed
5.	5.9555GHz	-55.38	5.46	-27.00	-28.38	2.00	199.40	Vertical	Passed

Overall Graphs:

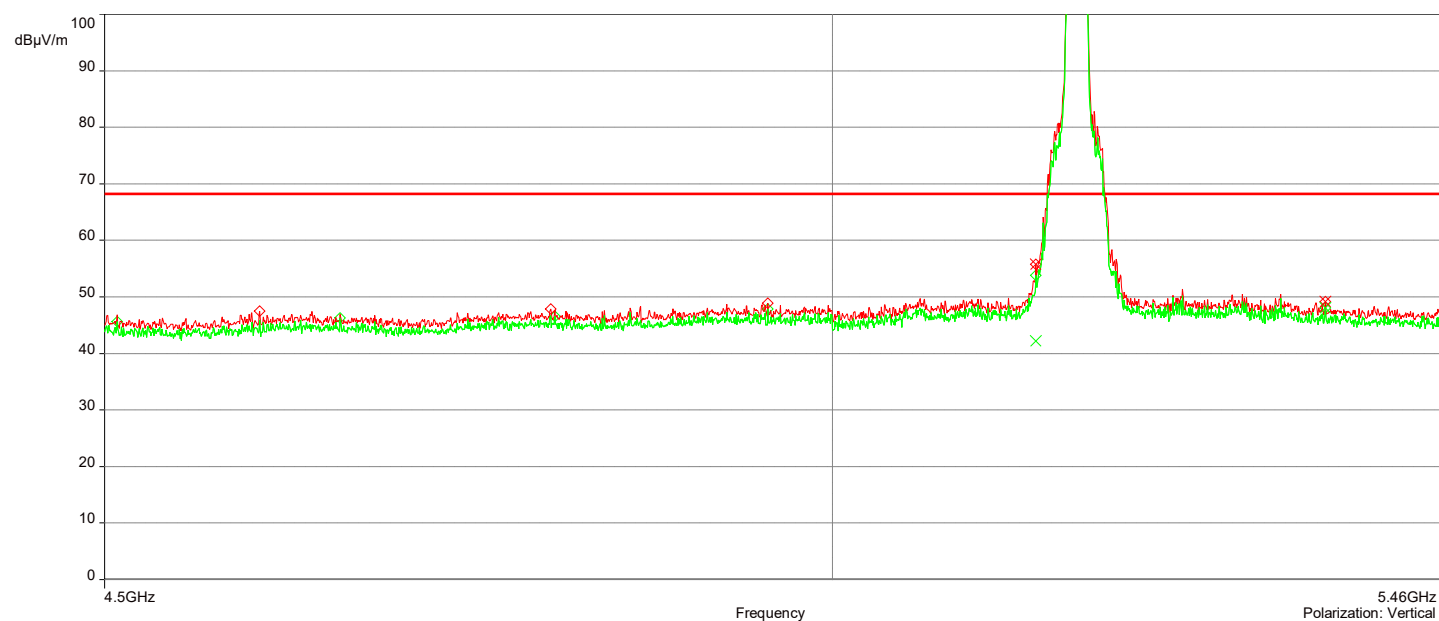
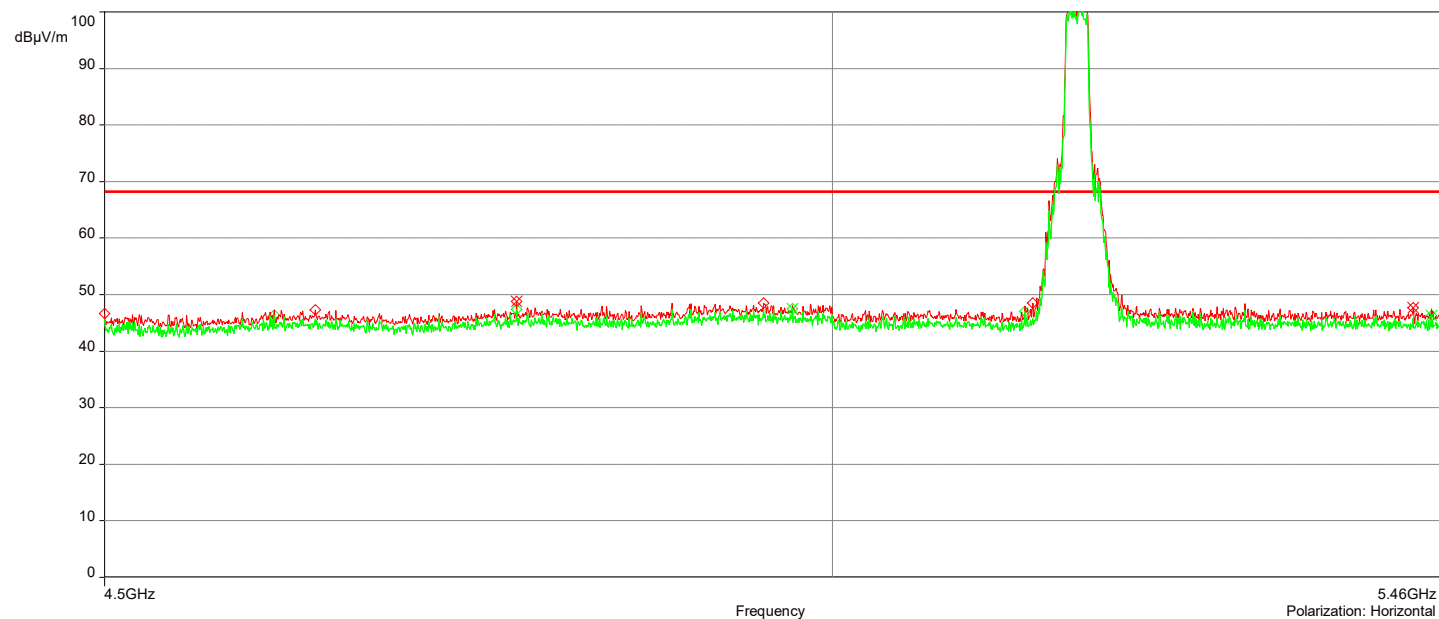


J23220_W300#1_5G_UnRestricted Bandedge_UNII-1 802.11a_6Mbps_Ch 36

10/20/2023 11:15:47 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.7766183GHz	48.80	4.21	68.23	-19.43	3.00	356.20	Horizontal	Passed

Overall Graphs:

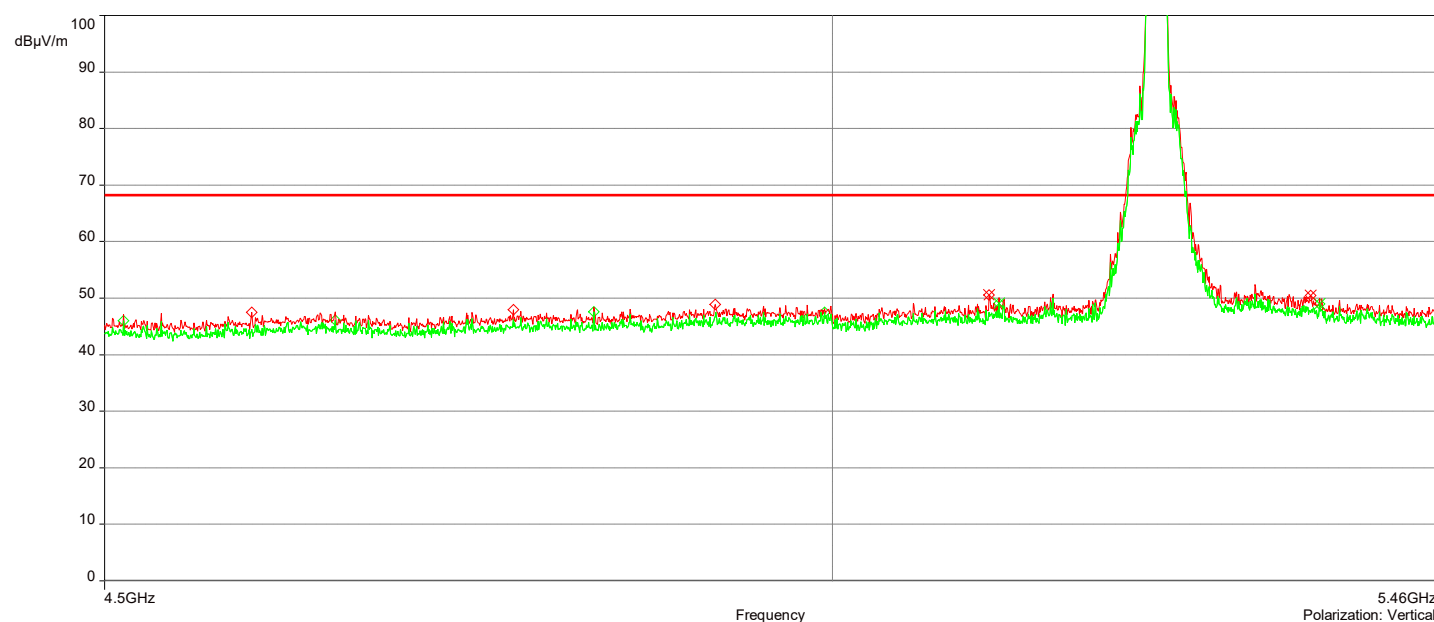
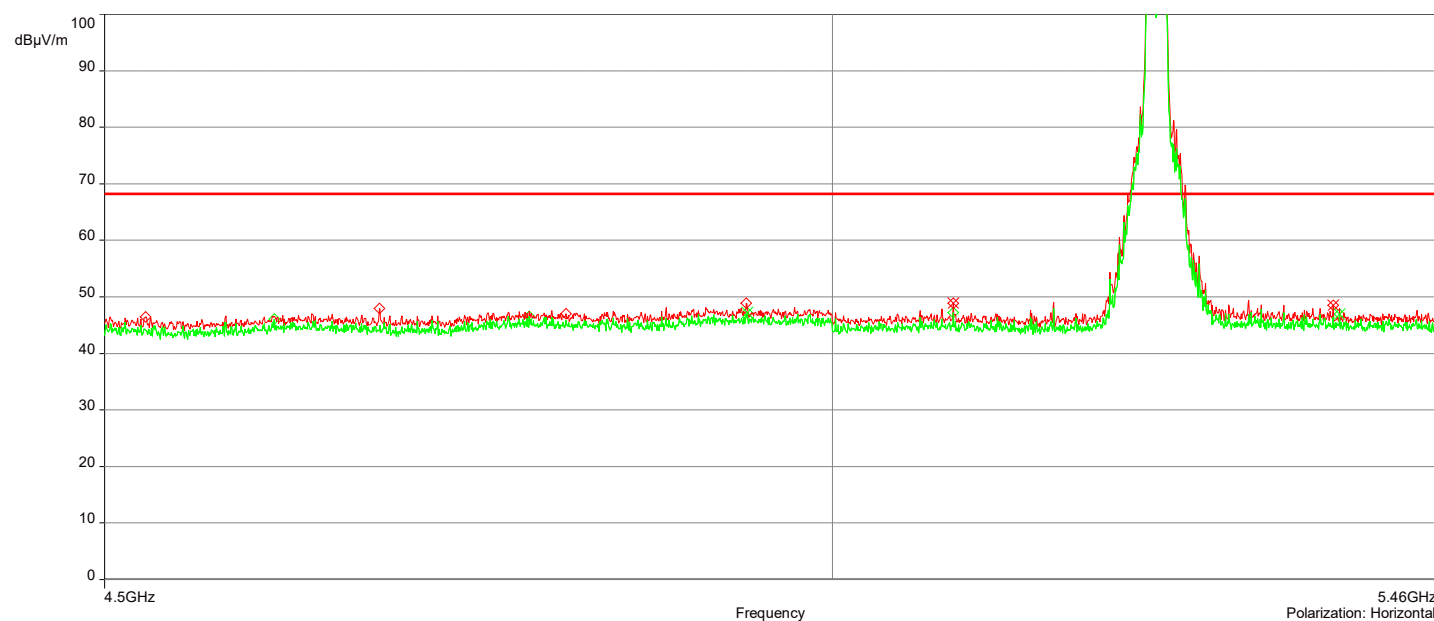


J23220_W300#1_5G_UnRestricted Bandedge_UNII-1 802.11a_6Mbps_Ch 48

10/20/2023 11:33:18 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.0882941GHz	48.92	4.42	68.23	-19.31	1.50	144.20	Horizontal	Passed
2.	5.375958GHz	48.48	5.16	68.23	-19.75	1.00	332.10	Horizontal	Passed
3.	5.1147074GHz	50.61	4.39	68.23	-17.62	3.50	83.80	Vertical	Passed
4.	5.3581891GHz	50.51	5.01	68.23	-17.72	4.00	103.60	Vertical	Passed

Overall Graphs:

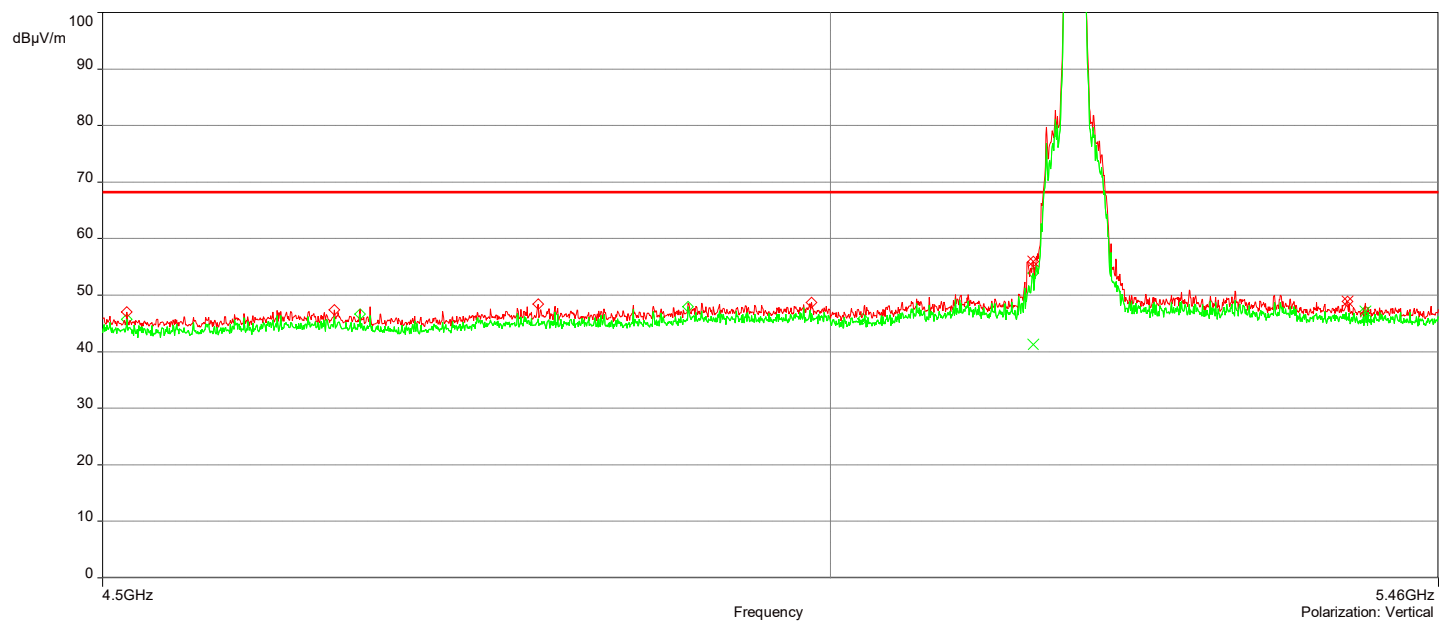
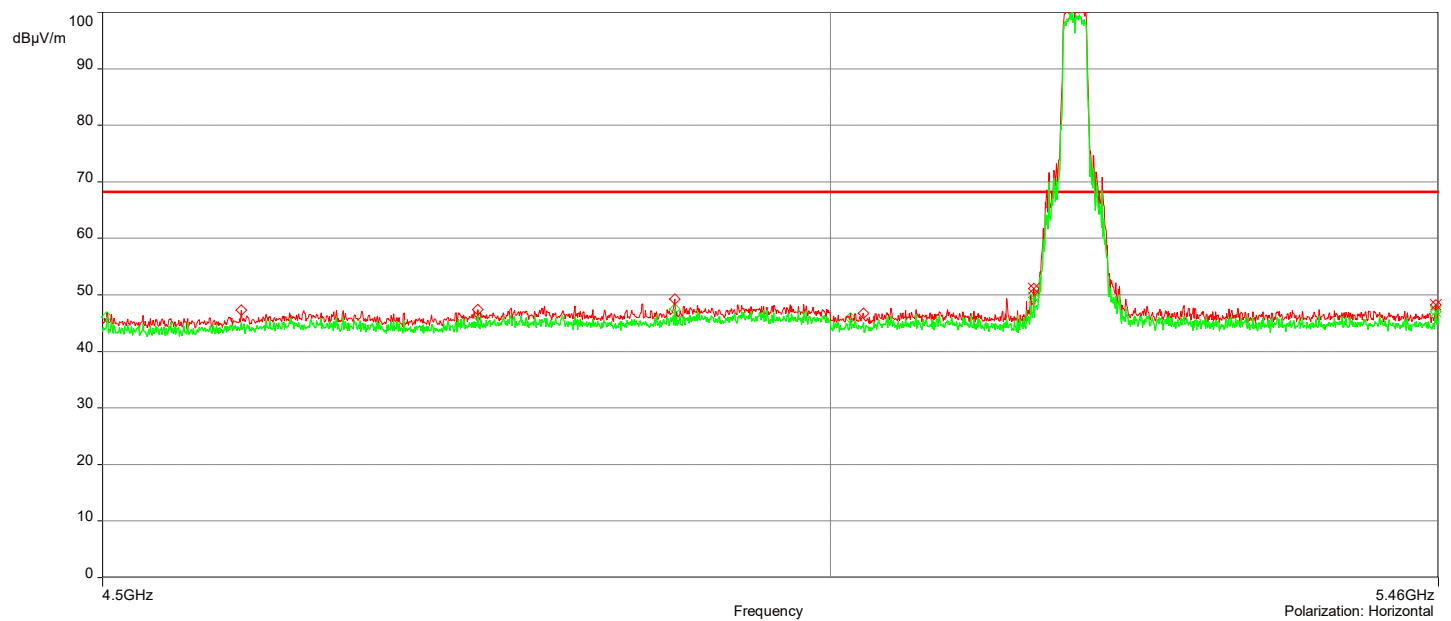


J23220_W300#1_5G_UnRestricted Bandedge_UNII-1 802.11n_MCS0_Ch 36

10/20/2023 11:45:41 AM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	5.1492846GHz	51.12	4.39	68.23	-17.11	1.00	255.10	Horizontal	Passed
2.	5.458079GHz	48.22	5.19	68.23	-20.01	3.00	117.60	Horizontal	Passed
3.	5.1488044GHz	55.97	4.33	68.23	-12.26	3.00	300.10	Vertical	Passed
4.	5.3884442GHz	48.92	5.12	68.23	-19.31	1.00	271.30	Vertical	Passed

Overall Graphs:

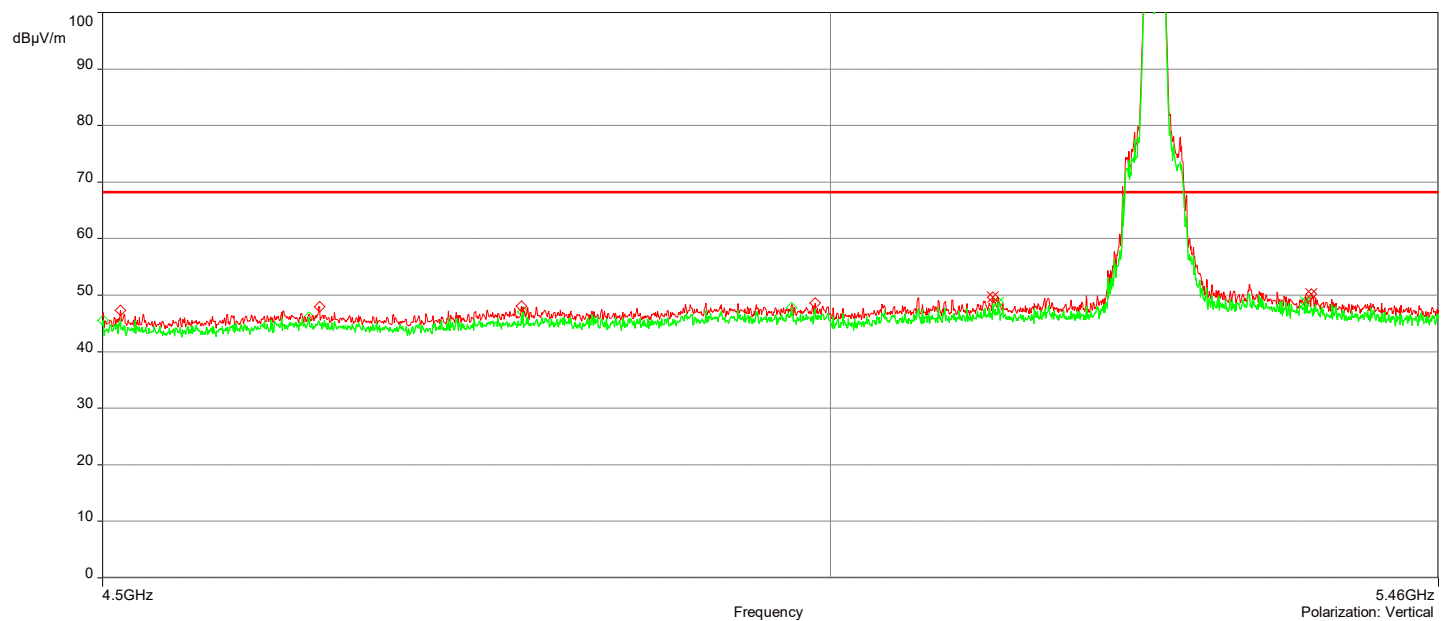
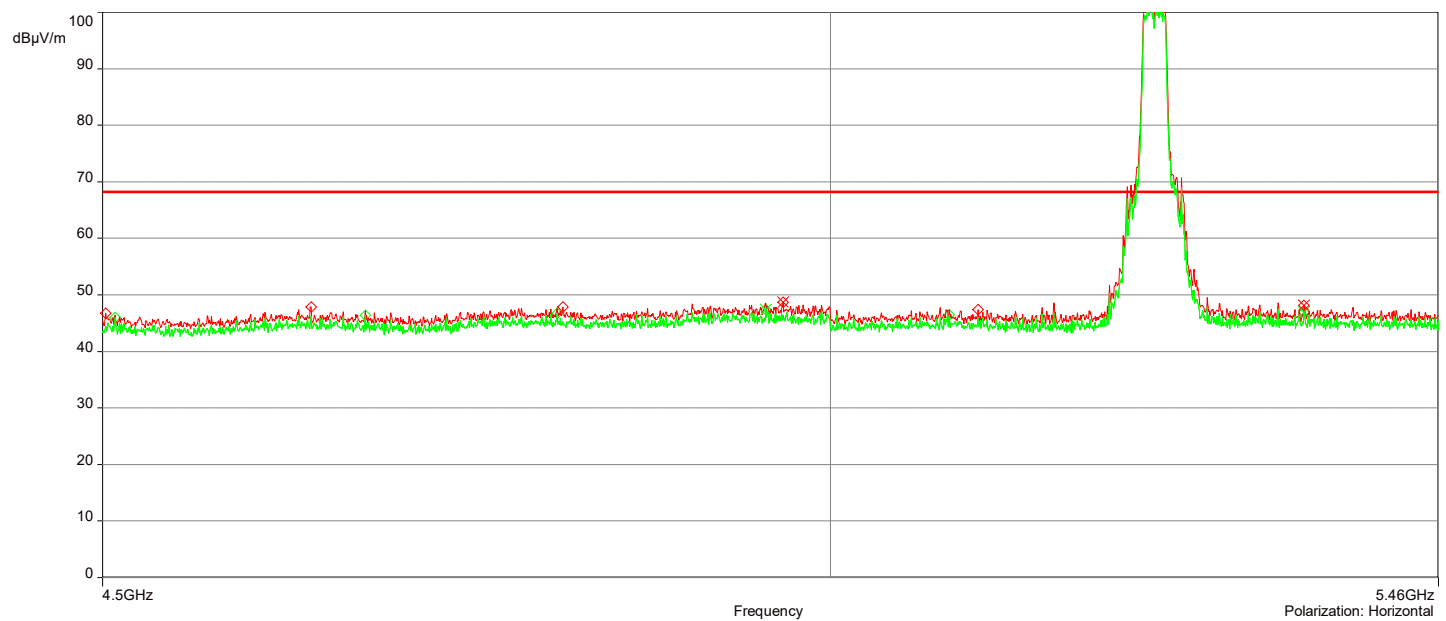


J23220_W300#1_5G_UnRestricted Bandedge_UNII-1 802.11n_MCS0_Ch 48

10/20/2023 12:16:48 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.9658329GHz	48.73	4.65	68.23	-19.50	2.50	31.30	Horizontal	Passed
2.	5.3548274GHz	48.10	5.05	68.23	-20.13	1.00	251.50	Horizontal	Passed
3.	5.1190295GHz	49.62	4.39	68.23	-18.61	3.00	240.30	Vertical	Passed
4.	5.3605903GHz	50.21	5.03	68.23	-18.02	2.50	218.10	Vertical	Passed

Overall Graphs:

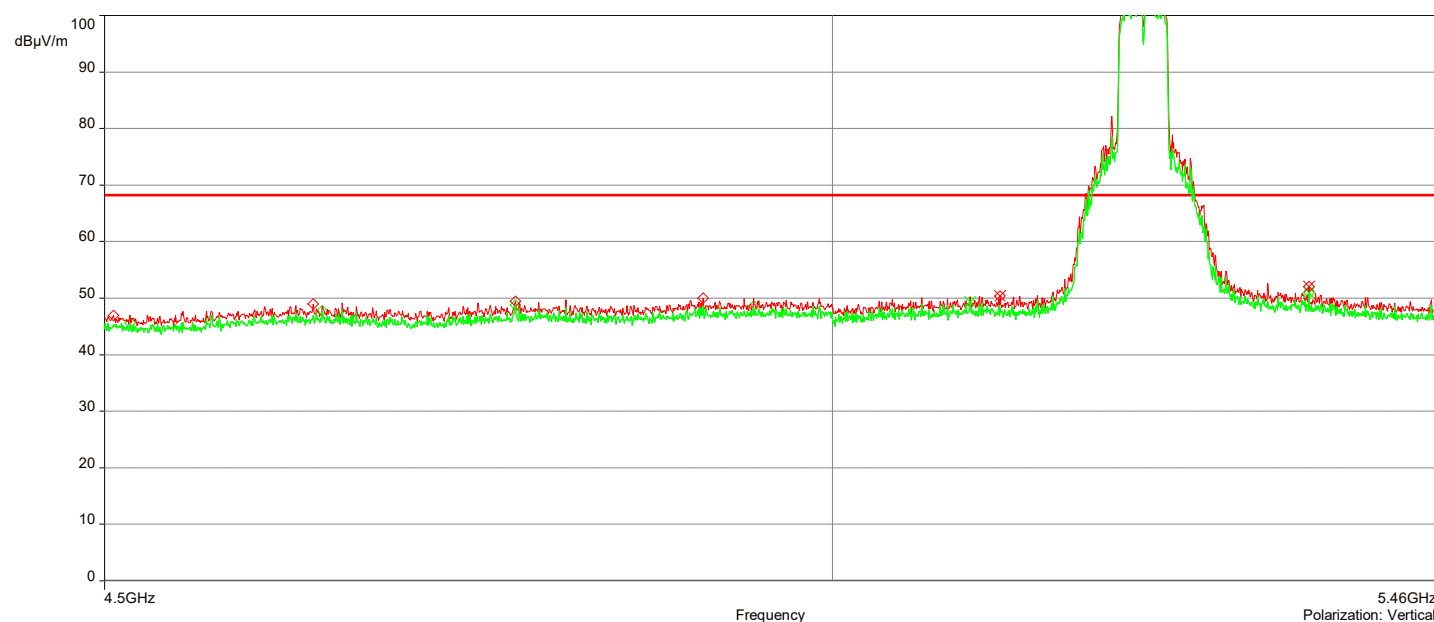
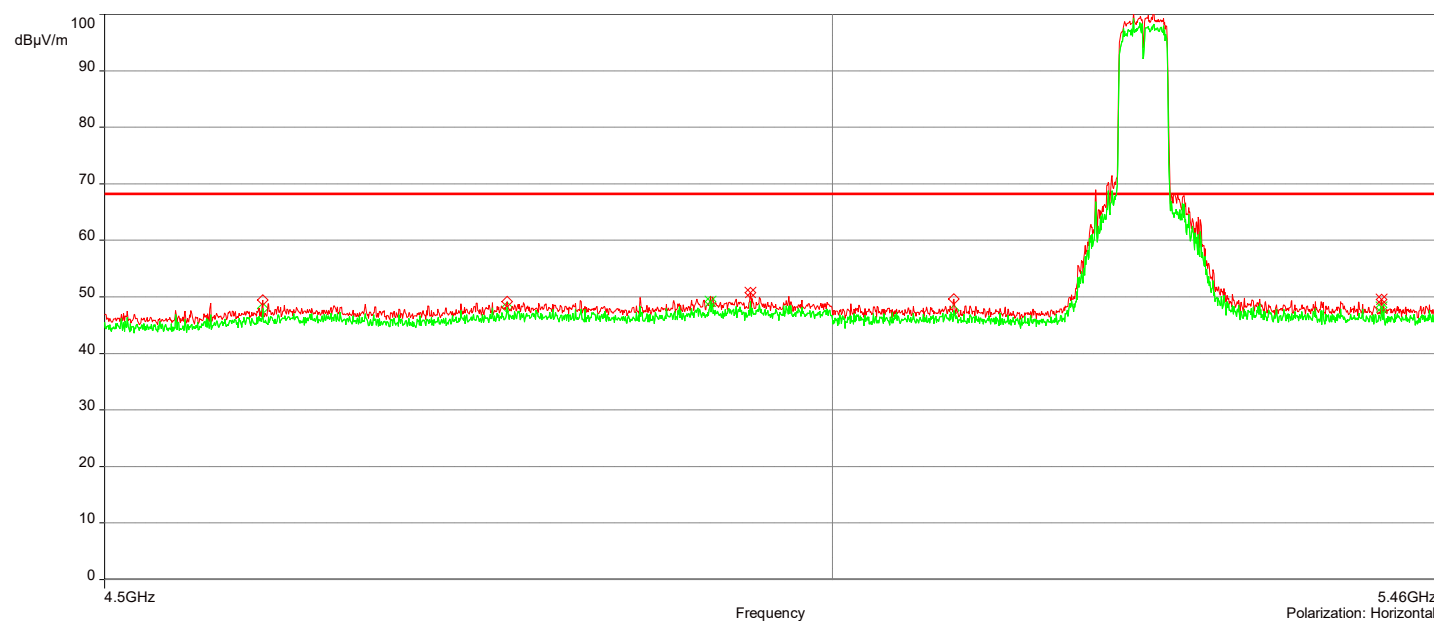


J23220_W300#1_5G_UnRestricted Bandedge_UNII-1 802.11n_MCS0_Ch 46

12/5/2023 7:53:33 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	4.9408604GHz	50.73	6.07	68.23	-17.50	3.00	330.40	Horizontal	Passed
2.	5.4138969GHz	49.57	6.51	68.23	-18.66	3.00	332.50	Horizontal	Passed
3.	5.1228714GHz	50.41	5.74	68.23	-17.82	1.00	39.70	Vertical	Passed
4.	5.3572286GHz	52.10	6.33	68.23	-16.13	3.00	240.30	Vertical	Passed

Overall Graphs:



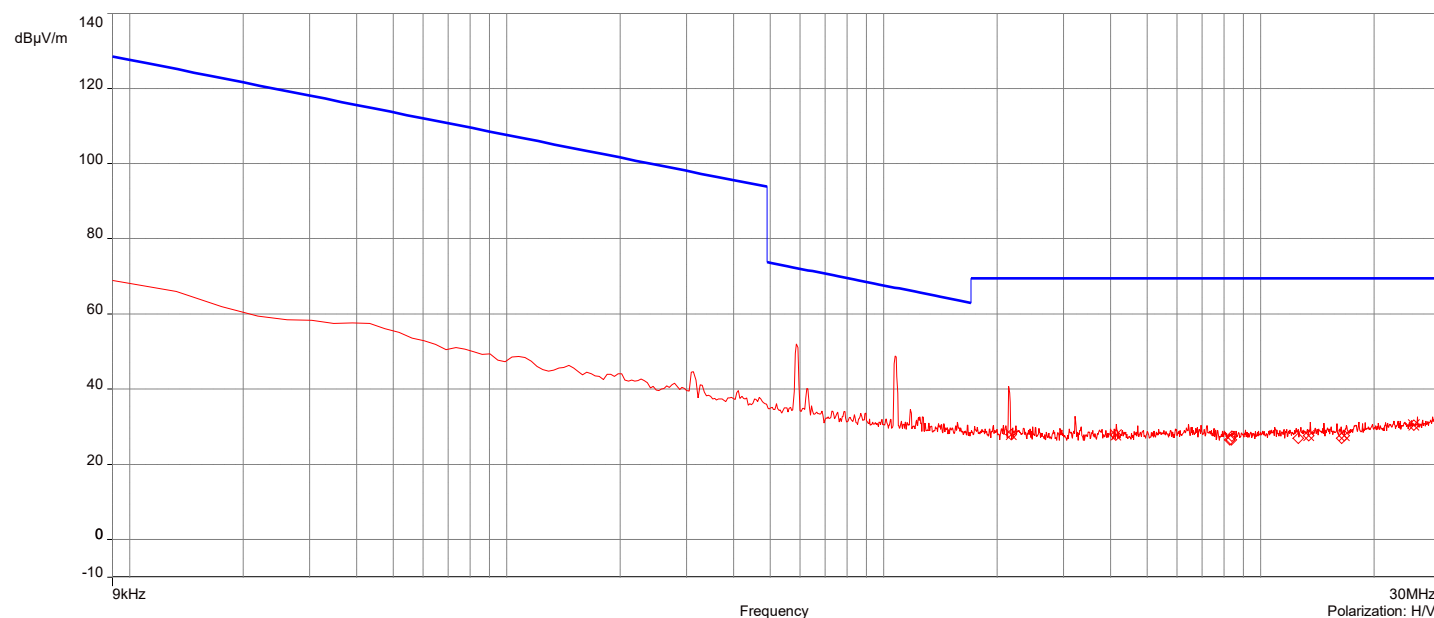
Dipole Antenna

J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Ground-Parallel

10/31/2023 2:23:42 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	27.88	19.20	69.54	-41.66	3.05	280.20	H/V	Passed
2.	4.126924MHz	27.82	19.41	69.54	-41.72	3.05	30.70	H/V	Passed
3.	13.408322MHz	27.67	19.83	69.54	-41.87	3.05	341.00	H/V	Passed
4.	16.694949MHz	27.59	20.01	69.54	-41.95	3.05	166.70	H/V	Passed
5.	25.522132MHz	30.49	21.17	69.54	-39.05	3.05	237.10	H/V	Passed
6.	30MHz	29.94	22.00	40.00	-10.06	3.05	253.90	H/V	Passed

Overall Graphs:

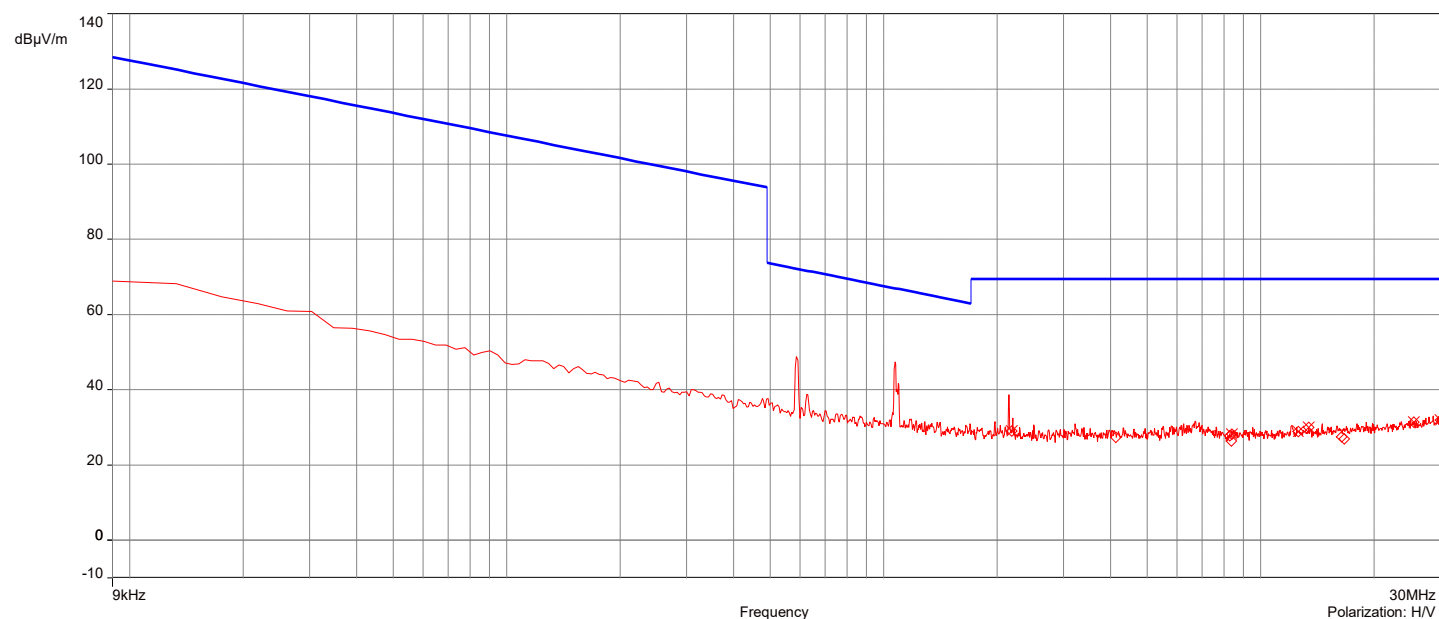


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Perpendicular

10/31/2023 2:21:14 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.185801MHz	28.99	19.20	69.54	-40.55	3.05	102.50	H/V	Passed
2.	8.386255MHz	28.15	19.32	69.54	-41.39	3.05	354.60	H/V	Passed
3.	12.577024MHz	28.84	19.77	69.54	-40.70	3.05	302.30	H/V	Passed
4.	13.399752MHz	29.98	19.83	69.54	-39.56	3.05	15.70	H/V	Passed
5.	25.500707MHz	31.41	21.17	69.54	-38.13	3.05	30.60	H/V	Passed
6.	30MHz	31.91	22.00	40.00	-8.09	3.05	319.00	H/V	Passed

Overall Graphs:

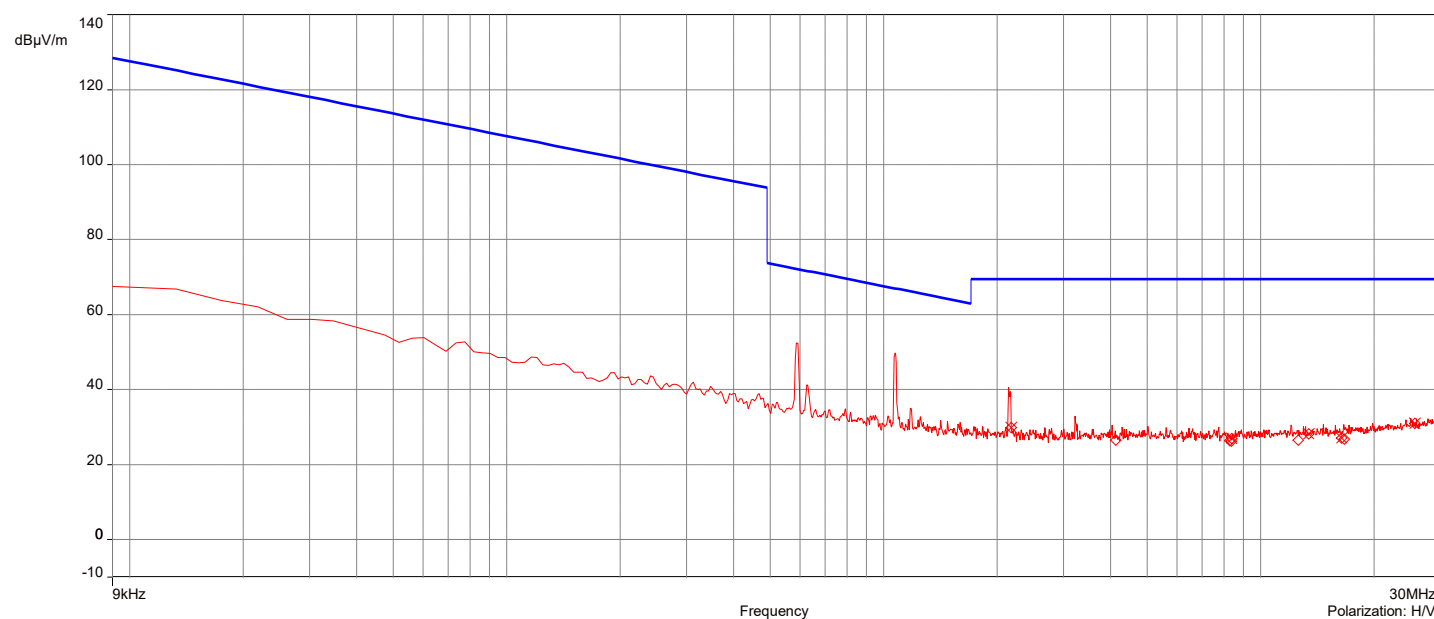


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 40_9kHz-30MHz_Parallel

10/31/2023 2:14:50 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	29.94	19.20	69.54	-39.60	3.05	315.80	H/V	Passed
2.	8.386255MHz	26.91	19.32	69.54	-42.63	3.05	159.40	H/V	Passed
3.	13.395467MHz	28.24	19.83	69.54	-41.30	3.05	168.40	H/V	Passed
4.	16.420706MHz	27.15	19.97	69.54	-42.39	3.05	235.40	H/V	Passed
5.	25.663539MHz	31.02	21.18	69.54	-38.52	3.05	298.30	H/V	Passed
6.	30MHz	29.57	22.00	40.00	-10.43	3.05	323.90	H/V	Passed

Overall Graphs:

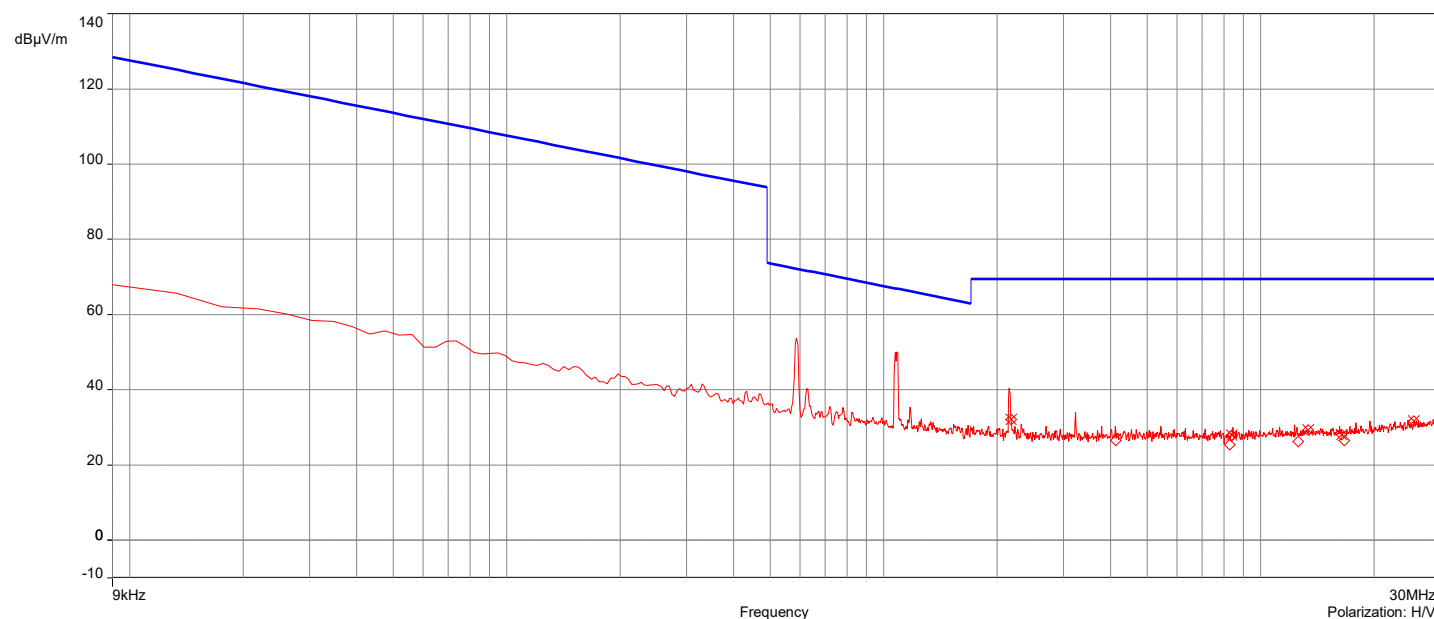


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_9kHz-30MHz_Ground-Parallel

10/30/2023 8:14:47 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	32.11	19.20	69.54	-37.43	3.05	288.40	H/V	Passed
2.	8.386255MHz	27.90	19.32	69.54	-41.64	3.05	241.10	H/V	Passed
3.	13.378327MHz	29.39	19.83	69.54	-40.15	3.05	92.80	H/V	Passed
4.	16.420706MHz	28.00	19.97	69.54	-41.54	3.05	66.60	H/V	Passed
5.	25.522132MHz	31.70	21.17	69.54	-37.84	3.05	264.40	H/V	Passed
6.	30MHz	29.85	22.00	40.00	-10.15	3.05	47.10	H/V	Passed

Overall Graphs:

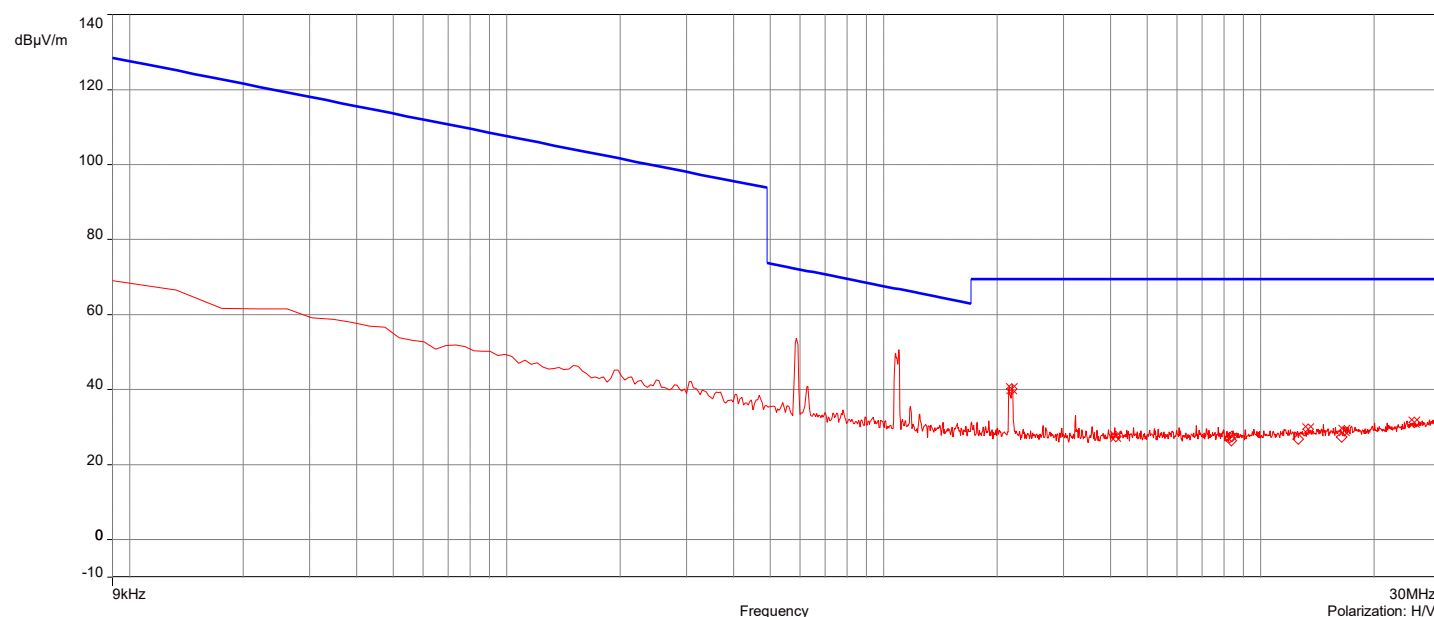


J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_9kHz-30MHz_Perpendicular

10/30/2023 8:17:01 PM

No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.190086MHz	40.16	19.21	69.54	-29.38	3.05	330.30	H/V	Passed
2.	4.126924MHz	27.53	19.41	69.54	-42.01	3.05	1.10	H/V	Passed
3.	13.382612MHz	29.51	19.83	69.54	-40.03	3.05	230.10	H/V	Passed
4.	16.694949MHz	29.09	20.01	69.54	-40.45	3.05	37.50	H/V	Passed
5.	25.586408MHz	31.21	21.17	69.54	-38.33	3.05	41.80	H/V	Passed
6.	30MHz	29.87	22.00	40.00	-10.13	3.05	199.50	H/V	Passed

Overall Graphs:



J23220_W300#1_5G UNII-1 802.11a_6Mbps_Ch 48_9kHz-30MHz_Parallel

10/30/2023 8:20:09 PM

No	Frequency (MHz)	Level Q- Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.185801MHz	29.93	19.20	69.54	-39.61	3.05	119.60	H/V	Passed
2.	8.38197MHz	27.80	19.32	69.54	-41.74	3.05	322.30	H/V	Passed
3.	13.378327MHz	28.53	19.83	69.54	-41.01	3.05	218.80	H/V	Passed
4.	16.420706MHz	27.43	19.97	69.54	-42.11	3.05	86.80	H/V	Passed
5.	25.620688MHz	30.80	21.17	69.54	-38.74	3.05	139.10	H/V	Passed
6.	30MHz	29.94	22.00	40.00	-10.06	3.05	293.90	H/V	Passed

Overall Graphs:

