



Regulatory Test Report

Prepared for u-blox AG

This report presents detailed information on

NORA-W3 series

Prepared by

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Engineer II

Approved by

Jason Kanakry

General Manager

Issue date: 05/16/2024

Report No: J23220-TR1 v1.3

This test result relates only to the described test object.

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The test is traceable to national standard or related international standard

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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 15.247, ISED Canada RSS-247 Issue 3, ISED Canada RSS-GEN Issue 5, FCC KDB 558074 D01 15.247 Measurement Guidance v05r02 and ANSI C63.10-2013
Deviations from standard:	None
Approved Test Plan Number:	N/A
Test Plan Revision:	N/A
Date Test Sample Received:	10-04-2023
Date Test Started:	12-04-2023
Date Test Finished:	05-13-2024

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	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 (Pulse ANTX100P001B24553) 3.8dBi (Taolgas GW.59) 0.5dBi (Integrated PCB antenna) 3.5dBi (Abracon AFG4507W2S) 1.9dBi (TE ANT-DB1-RAF-RPS)
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 15.247, ISSED Canada RSS-247 Issue 3**. The products are **NORA-W300, NORA-W301, NORA-W306, NORA-W360, NORA-W361, NORA-W366** transmitters that operate in the 2412-2462MHz frequency range.

Details	Description
Frequency Range (MHz)	2412 – 2462
Tested Modes	802.11b,802.11g,802.11n
Number of Channels	11
Tested Channels	1, 6 ,11 (20MHz) 3, 9 (40MHz)
Tested DUT Models	NORA-W300, NORA-W301, NORA-W306
Not Tested DUT Models	NORA-W360, NORA-W361, NORA-W366
Number of transmit Chains	1
Equipment Type	Equipment with wideband modulation other than frequency hopping
DUT/EUT Operation	EUT is configured/programmed by an External Test Laptop with Serial Commination interface to set WLAN Test Mode, data rates, channels, bandwidth, band configurations etc., using NORA-W3 Series Test Controller program.

DUT Antenna	Brand	Model	Type	Gain
				☒ Provided by Customer with Gain Report ☐ Not Provided by Customer
1	YAGEO	ANTX100P001B24553	Pulse	5.3dBi
2	TAOLGAS	GW.59	Dipole	3.8dBi
3	U-BLOX	NORA-W3x6 trace	Internal	0.5dBi
4	ABRACON	AFG4507W2S	Patch	3.5dBi
5	TE	ANT-DB1-RAF-RPS	Dipole	1.9dBi

Channels and Frequency

Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

Notes:

1. Channels marked bold were tested.
2. Output power measurements performed at the lowest and highest data rate of each supported 802.11 mode.

Power Settings

NORA-W300, NORA-W301 (20MHz)			
802.11b		802.11g	
Channel	Power Setting	Channel	Power Setting
1	17.5	1	11.5
2	17.5	2	15
3-9	20	3-9	18
10	17.5	10	15
11	17.5	11	11.5
802.11n (HT20)			
Channel		Power Setting	
1		11	
2		15	
6		18	
10		15	
11		11	

NORA-W306 (20MHz)			
802.11b		802.11g	
Channel	Power Setting	Channel	Power Setting
1	17.5	1	15.5
2	19	2	16.5
3-9	20	3-9	19
10	19	10	16.5
11	17.5	11	15.5
802.11n (HT20)			
Channel		Power Setting	
1		13	
2		16.5	
6		18	
10		16.5	
11		13	

NORA-W300, NORA-W301 (40MHz)	
802.11n (HT40)	
Channel	Power Setting
3	10
5	12
7	11
9	9

NORA-W306 (40MHz)	
802.11n (HT40)	
Channel	Power Setting
3	11
5	14
7	13
9	11

Test Results

Test	Frequency (MHz)	802.11b	802.11g	802.11n (HT20)
RF Output Power	2412/2437/2462	PASS	PASS	PASS
Power Spectral Density	2412/2437/2462	PASS	PASS	PASS
DTS Bandwidth (6dB)	2412/2437/2462	PASS	PASS	PASS
Occupied Channel Bandwidth 99%	2412/2437/2462	PASS	PASS	PASS
Band Edges Low	2412	PASS	PASS	PASS
Band Edges High	2462	PASS	PASS	PASS
Conducted Spurious Emissions	2412/2437/2462	PASS	PASS	PASS

Test	Frequency (MHz)	802.11n (HT40)
RF Output Power	2422/2452	PASS
Power Spectral Density	2422/2452	PASS
DTS Bandwidth (6dB)	2422/2452	PASS
Occupied Channel Bandwidth 99%	2422/2452	PASS
Band Edges Low	2422	PASS
Band Edges High	2452	PASS
Conducted Spurious Emissions	2422/2452	PASS

We found that the product met the requirements. Test samples received in good condition and remains good and functional post testing.

Test Item	Sample #	Result
FCC 15.247 2.4G WLAN	J23220-W300#1	Meets Requirements

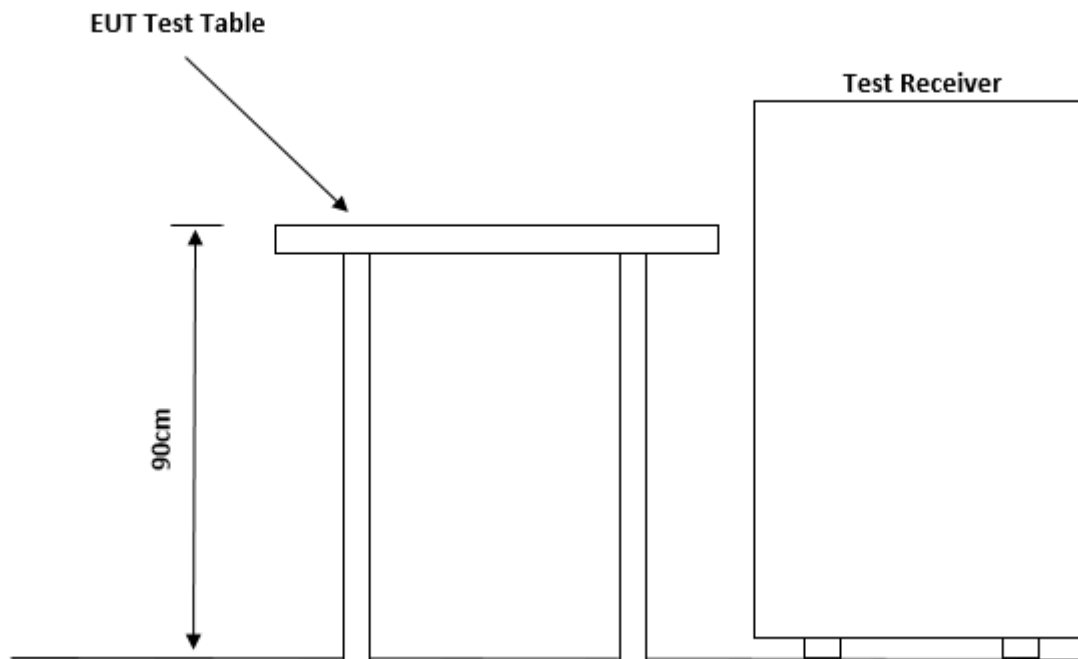
Notes:-

- 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.

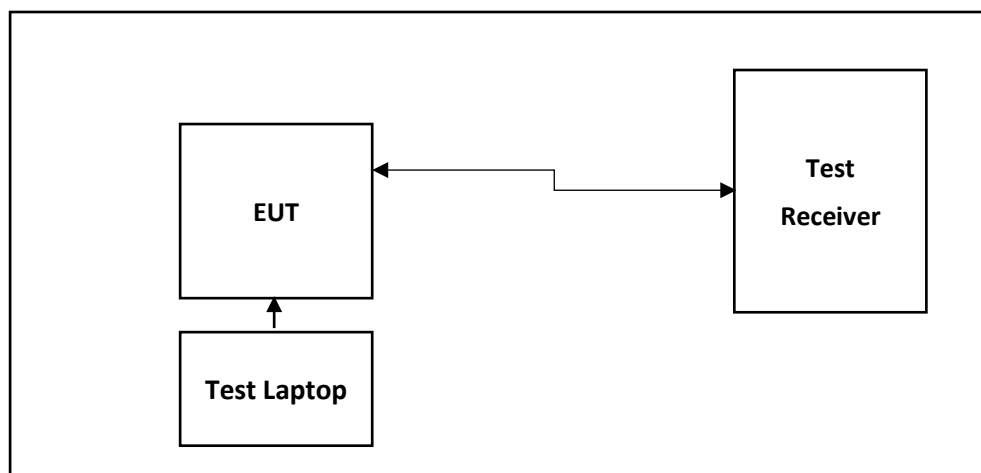
4.2 Test Setup

Conducted Test Site Description

The site is accommodated to 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 Test Data

4.4.1 RF Output Power

Test according to FCC title 47 part 15 §15.247(b), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013 11.9.2.3.2, RSS-247 5.4 (d)

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.

Expanded Combined Uncertainty of absolute Level Measurement (K=2) < 1 dB

802.11b

Data Rate	Gated RMS (dBm) 2412 MHz	Gated RMS (dBm) 2437 MHz	Gated RMS (dBm) 2462 MHz	Limit (dBm)
1 Mbps	18.112	19.693	18.226	30.0

802.11g

Data Rate	Gated RMS (dBm) 2412 MHz	Gated RMS (dBm) 2437 MHz	Gated RMS (dBm) 2462 MHz	Limit (dBm)
6 Mbps	15.112	17.783	15.375	30.0

802.11n (HT20)

Data Rate	Gated RMS (dBm) 2412 MHz	Gated RMS (dBm) 2437 MHz	Gated RMS (dBm) 2462 MHz	Limit (dBm)
MCS0	12.783	16.553	12.934	30.0

802.11n (HT40)

Data Rate	Gated RMS (dBm) 2422 MHz	Gated RMS (dBm) 2452 MHz	Limit (dBm)
MCS0	16.451	16.423	30.0

4.4.2 Power Spectral Density

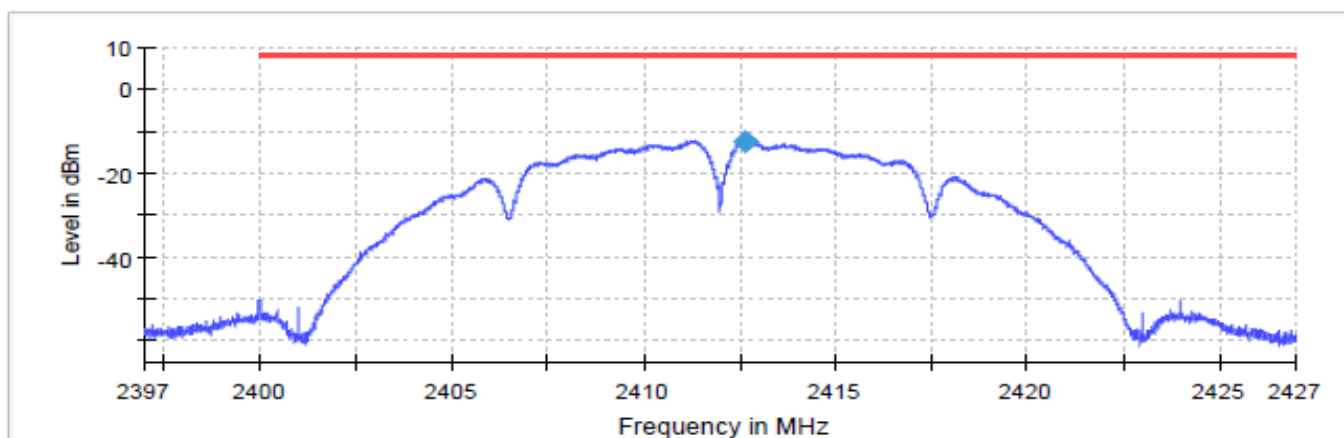
Test according to FCC title 47 part 15 §15.247(e), KDB 558074 D01 DTS Meas Guidance v05r02 F and ANSI C63.10-2013 Section 11.10.2, RSS-247 5.2 (b)

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

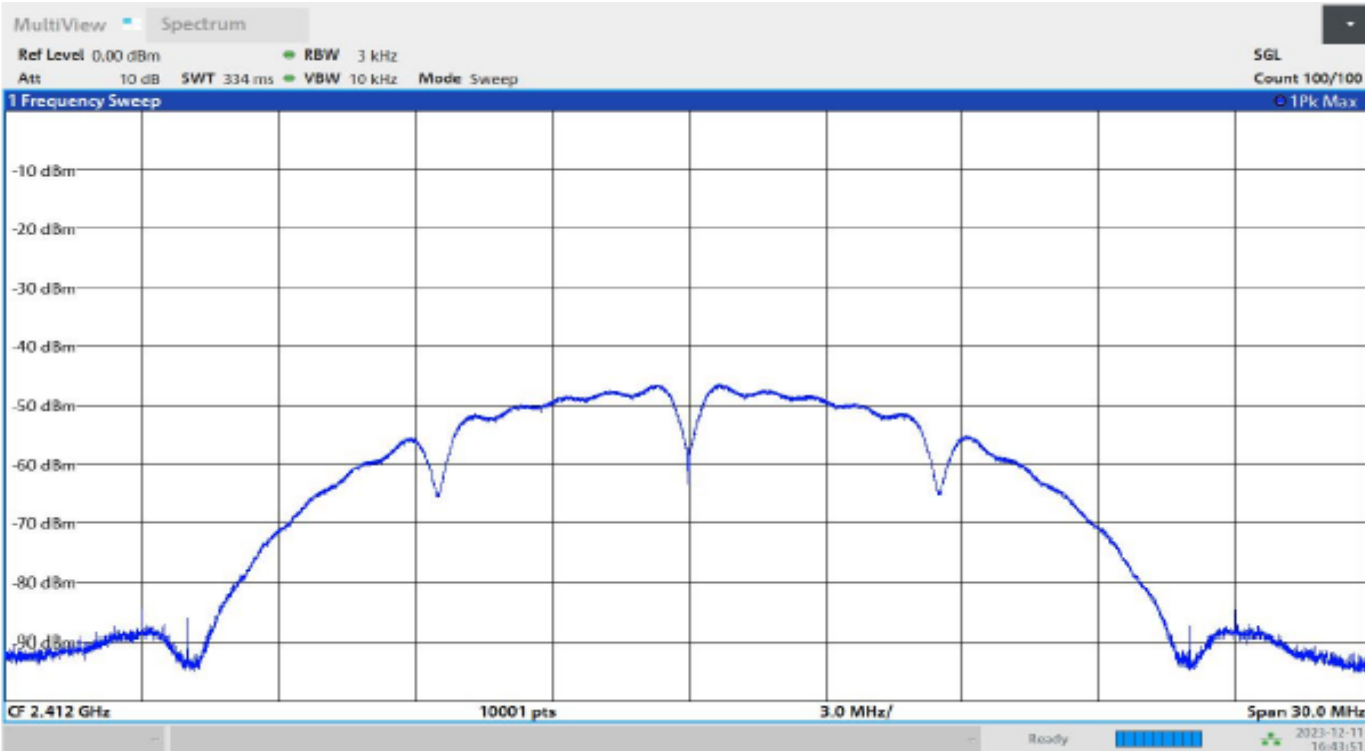
Mode	Data Rate	PSD (dBm) 2412 MHz	PSD (dBm) 2437 MHz	PSD (dBm) 2462 MHz	Limit (dBm)
802.11b	1 Mbps	-12.267	-10.760	-12.230	8.0

802.11b 2412MHz 1Mbps

Power Spectral Density



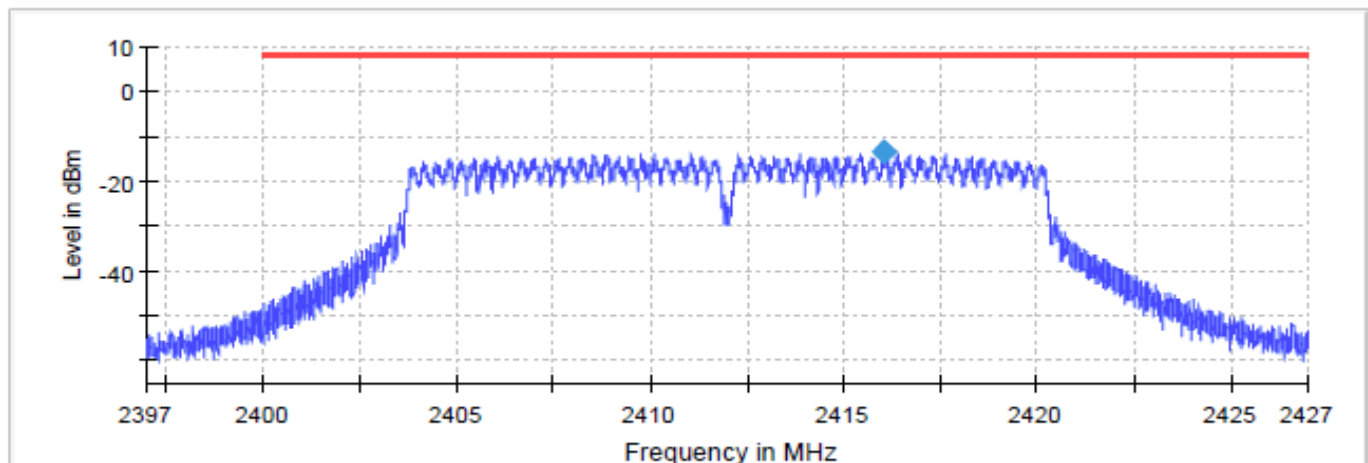
Connector 1 Sum Level Limit PSD



Mode	Data Rate	PSD (dBm) 2412 MHz	PSD (dBm) 2437 MHz	PSD (dBm) 2462 MHz	Limit (dBm)
802.11g	6Mbps	-13.588	-11.849	-13.753	8.0

802.11g 2412MHz 6Mbps

Power Spectral Density



Connector 1

Sum Level

Limit



PSD

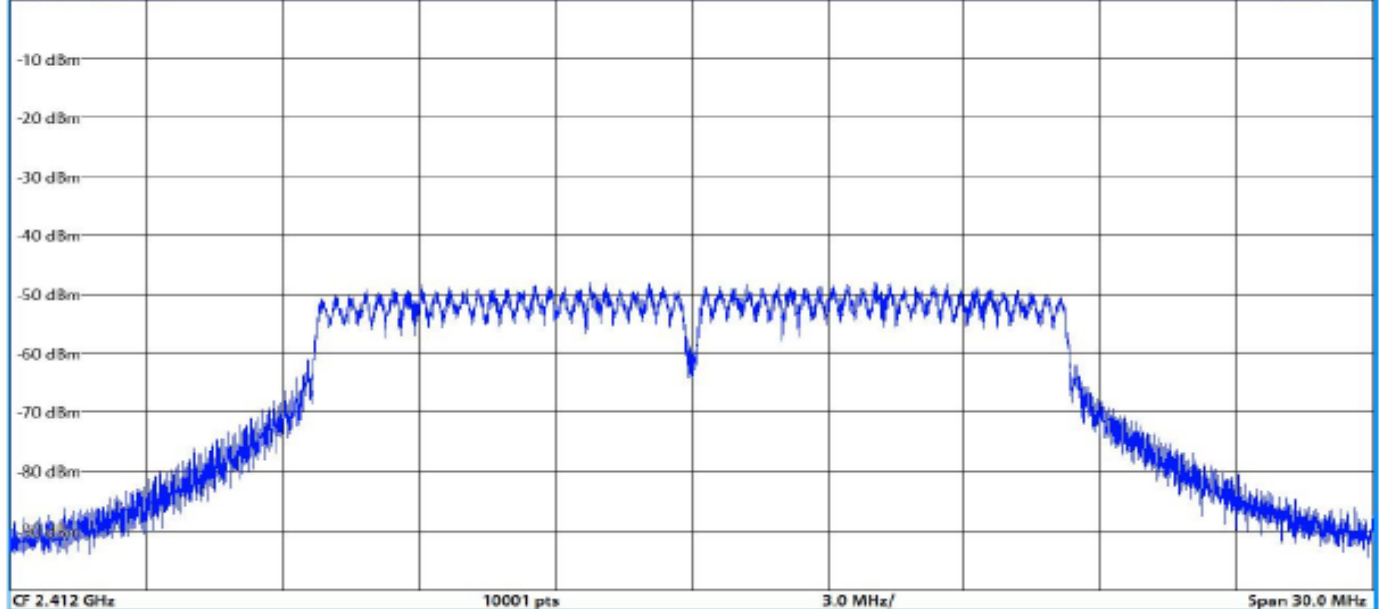
MultiView Spectrum

Ref Level 0.00 dBm RBW 3 kHz
Att 10 dB SWT 334 ms VBW 10 kHz Mode Sweep

SGL
Count 100/100

1 Frequency Sweep

1Pk Max



CF 2.412 GHz

10001 pts

3.0 MHz/

Span 30.0 MHz

Ready

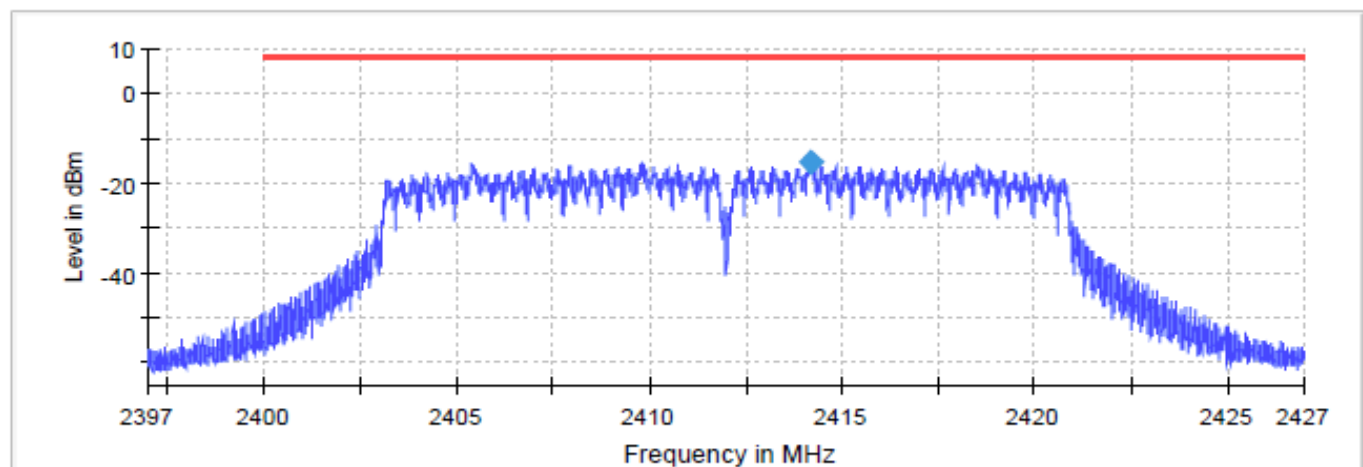
2023-12-11 18:58:50

Mode	Data Rate	PSD (dBm) 2412 MHz	PSD (dBm) 2437 MHz	PSD (dBm) 2462 MHz	Limit (dBm)
802.11n HT20	MCS0	-15.146	-11.529	-15.017	8.0

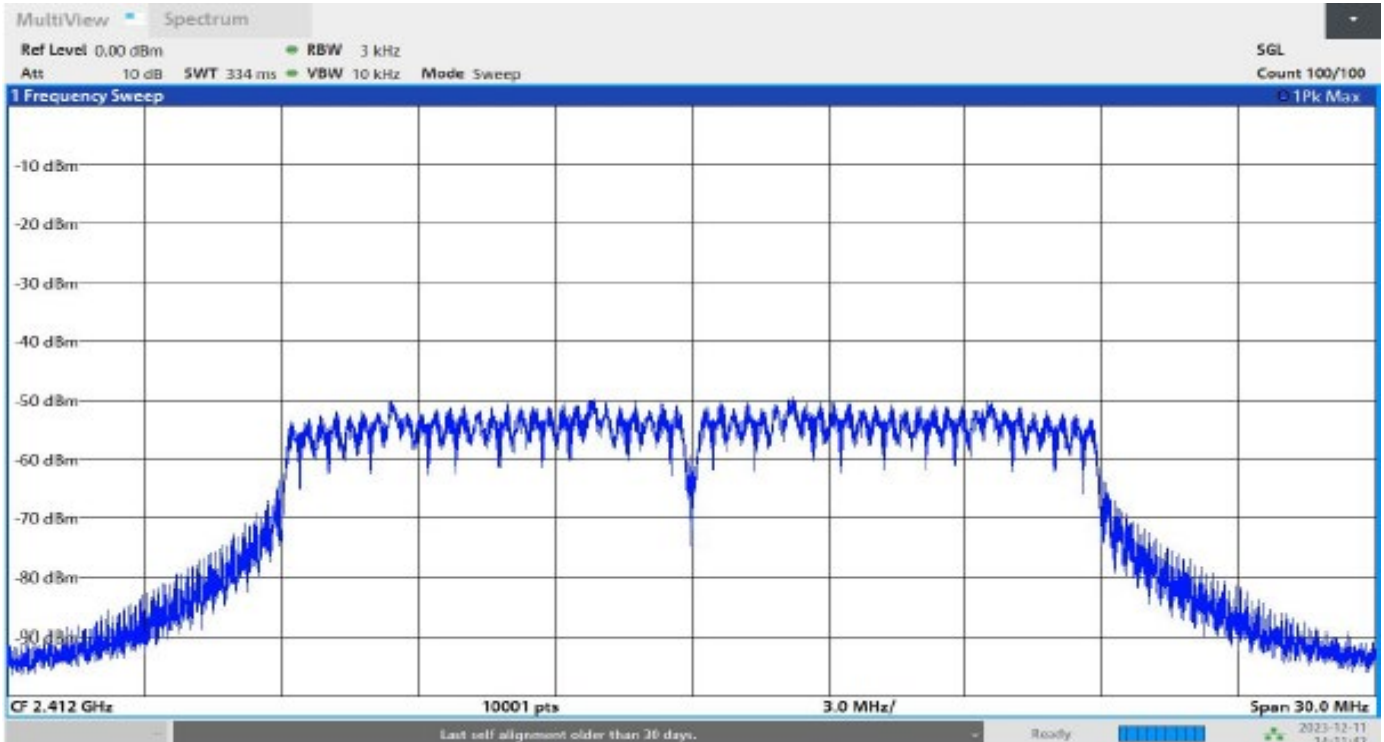
Mode	Data Rate	PSD (dBm) 2422 MHz	PSD (dBm) 2452 MHz	Limit (dBm)
802.11n HT40	MCS0	-12.417	-12.131	8.0

802.11n

Power Spectral Density



Connector 1 Sum Level Limit PSD

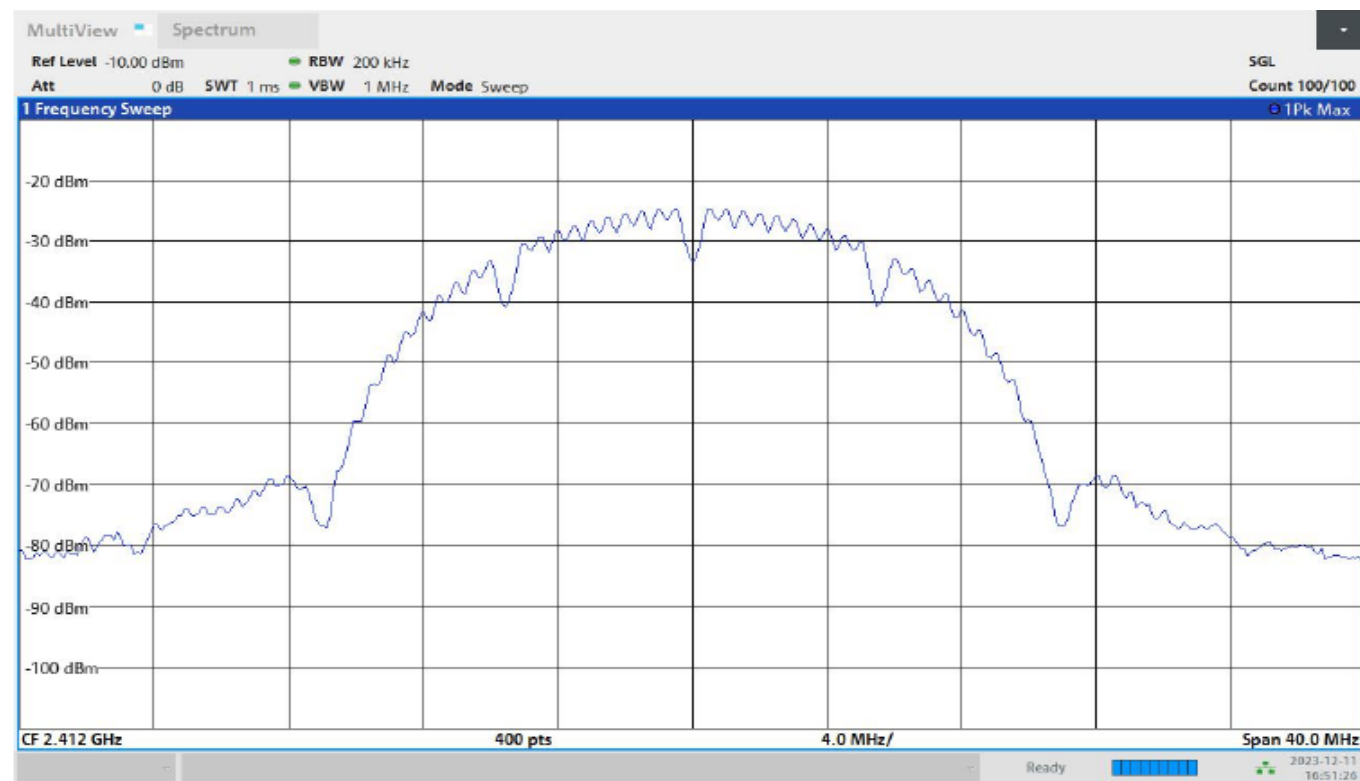
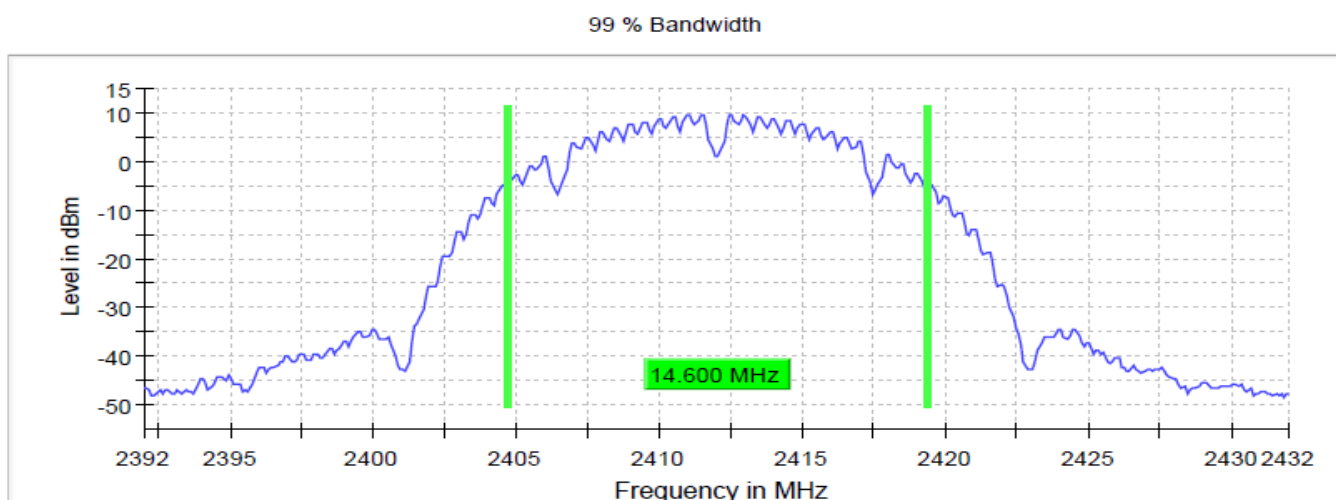


4.4.3 Occupied Channel Bandwidth

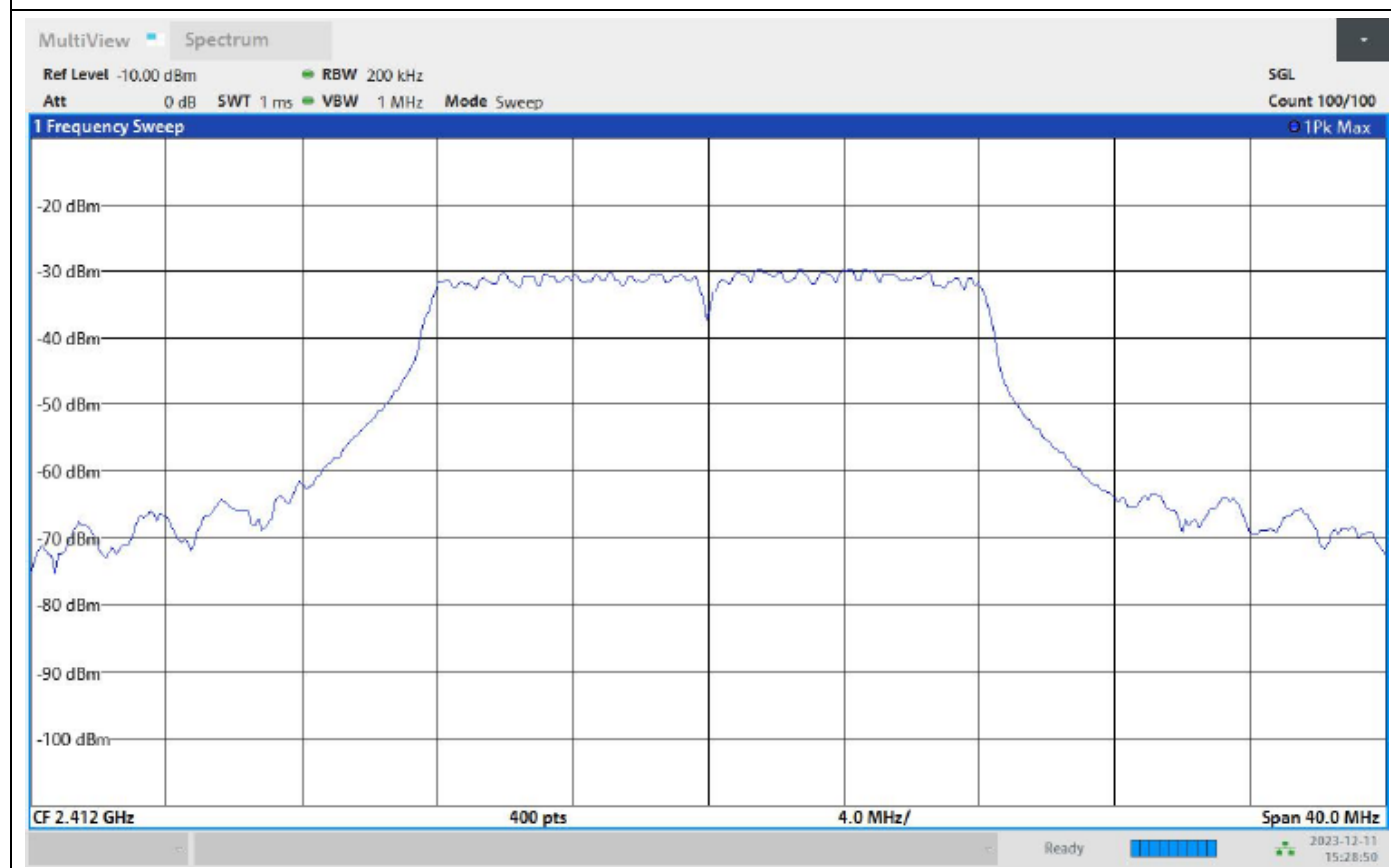
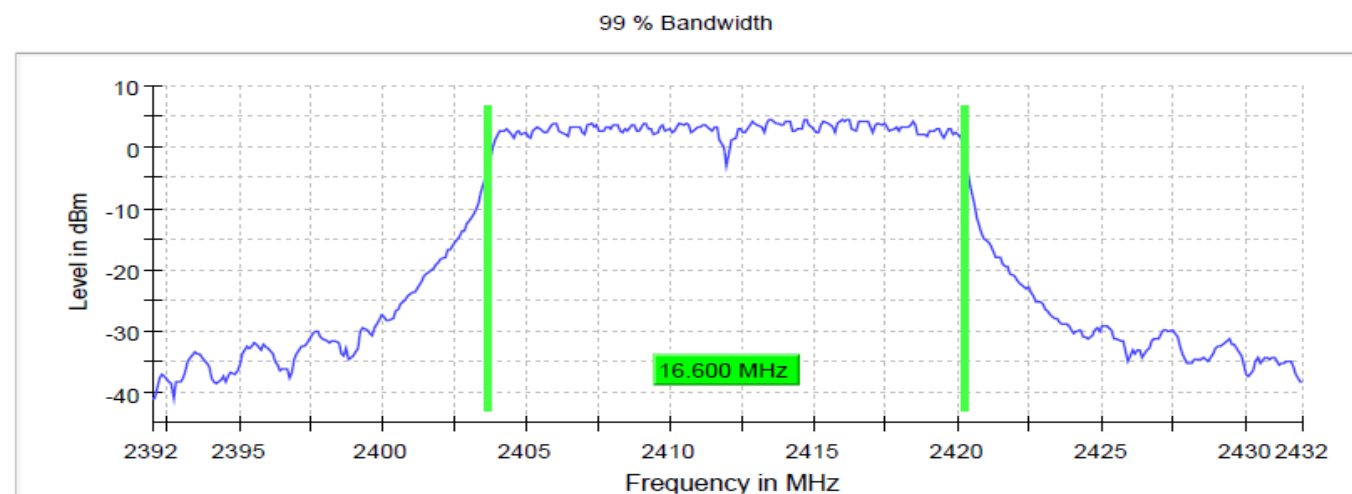
Test according to RSS-GEN Section 6.7, KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013,
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
802.11b 1Mbps	2412.000000	14.600000	2404.750000	2419.350000
802.11g 6Mbps	2412.000000	16.600000	2403.650000	2420.250000
802.11n (HT20) MCS0	2412.000000	17.700000	2403.150000	2420.850000
802.11n (HT40) MCS0	2422.000000	36.000000	2404.125000	2440.125000
802.11b 1Mbps	2437.000000	14.500000	2429.750000	2444.250000
802.11g 6Mbps	2437.000000	16.600000	2428.650000	2445.250000
802.11n (HT20) MCS0	2437.000000	17.700000	2428.150000	2445.850000
802.11n (HT40) MCS0	2452.000000	36.000000	2434.125000	2470.125000
802.11b 1Mbps	2462.000000	14.600000	2454.750000	2469.350000
802.11g 6Mbps	2462.000000	16.600000	2453.650000	2470.250000
802.11n (HT20) MCS0	2462.000000	17.700000	2453.150000	2470.850000

802.11b 1Mbps 2412MHz

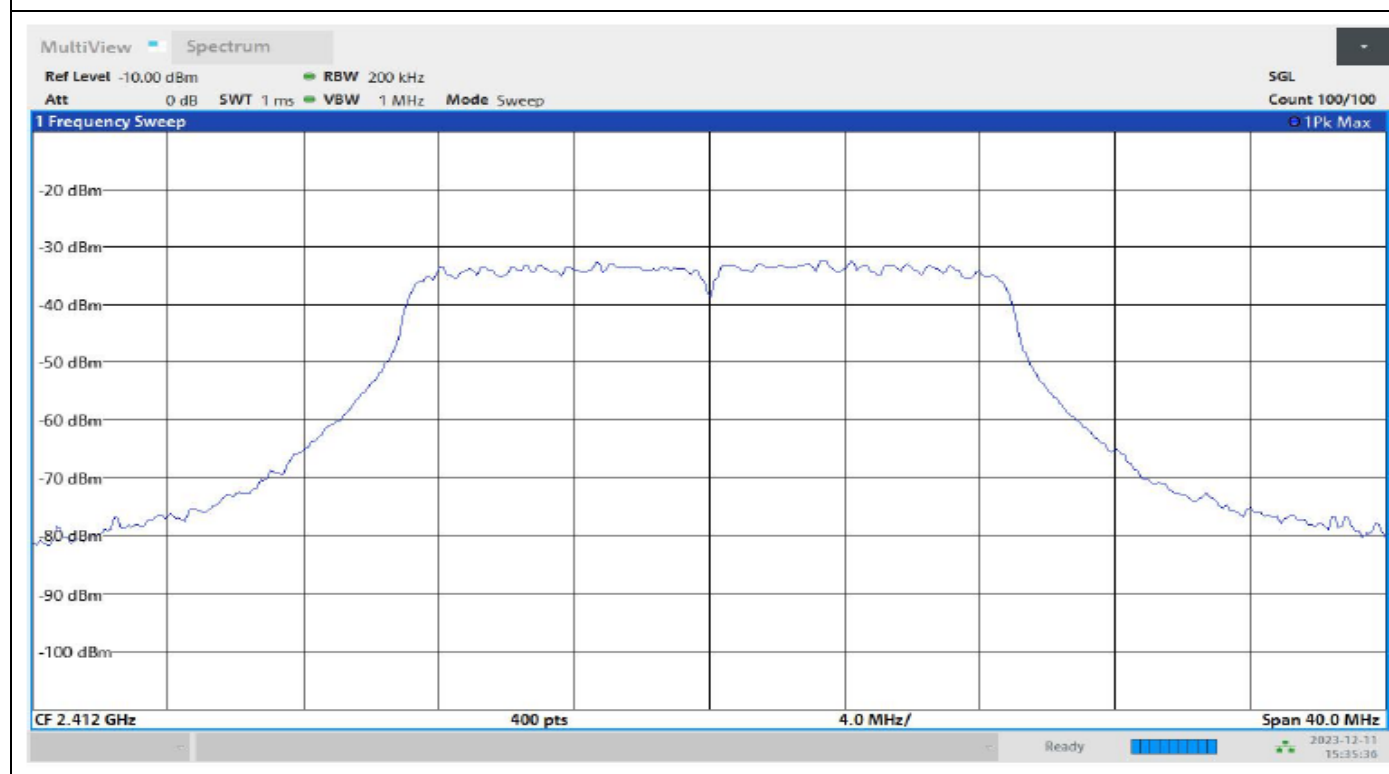
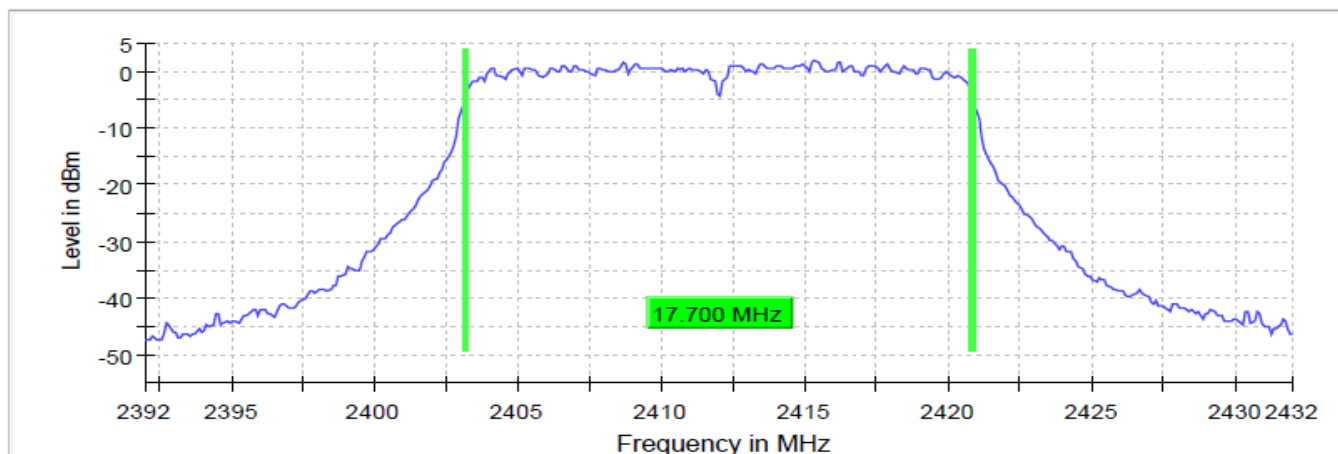


802.11g 6Mbps 2412MHz



802.11n MCS0 2412MHz

99 % Bandwidth



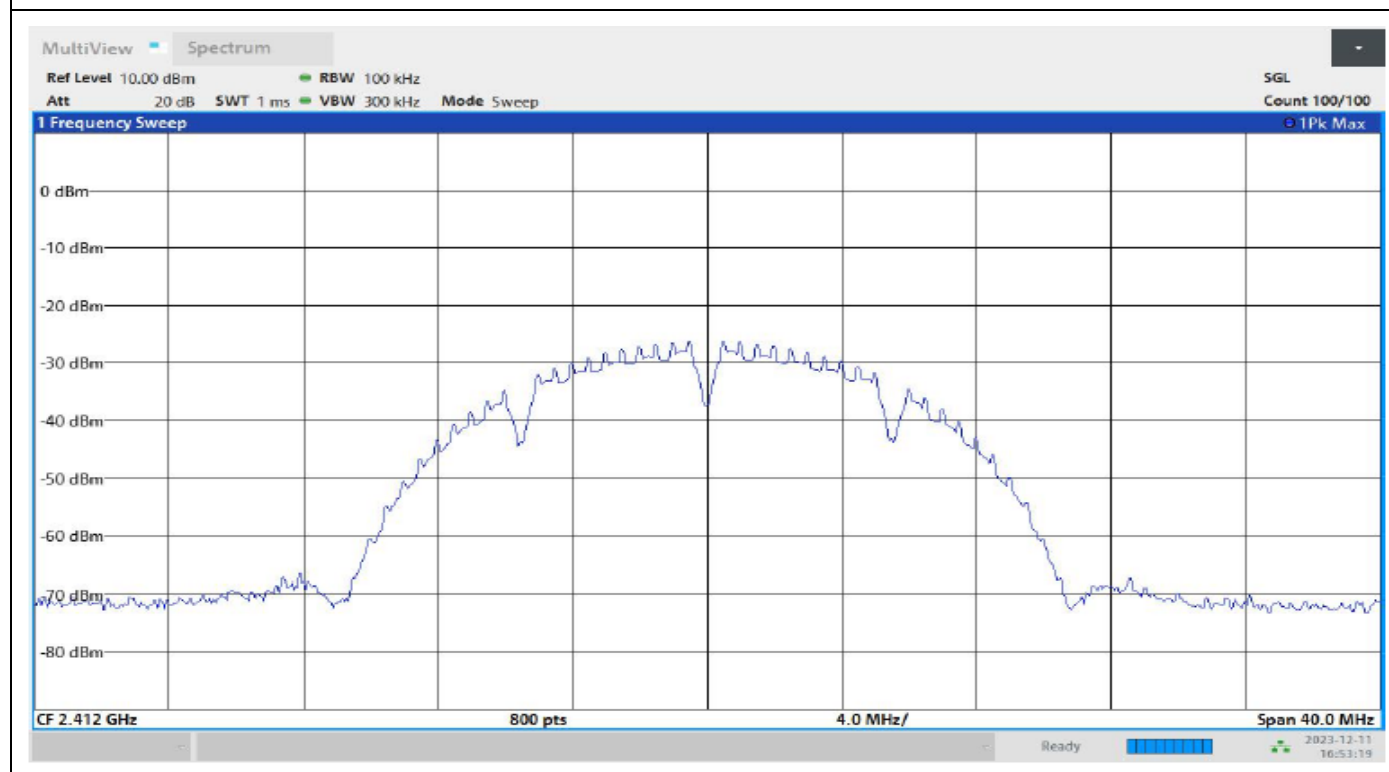
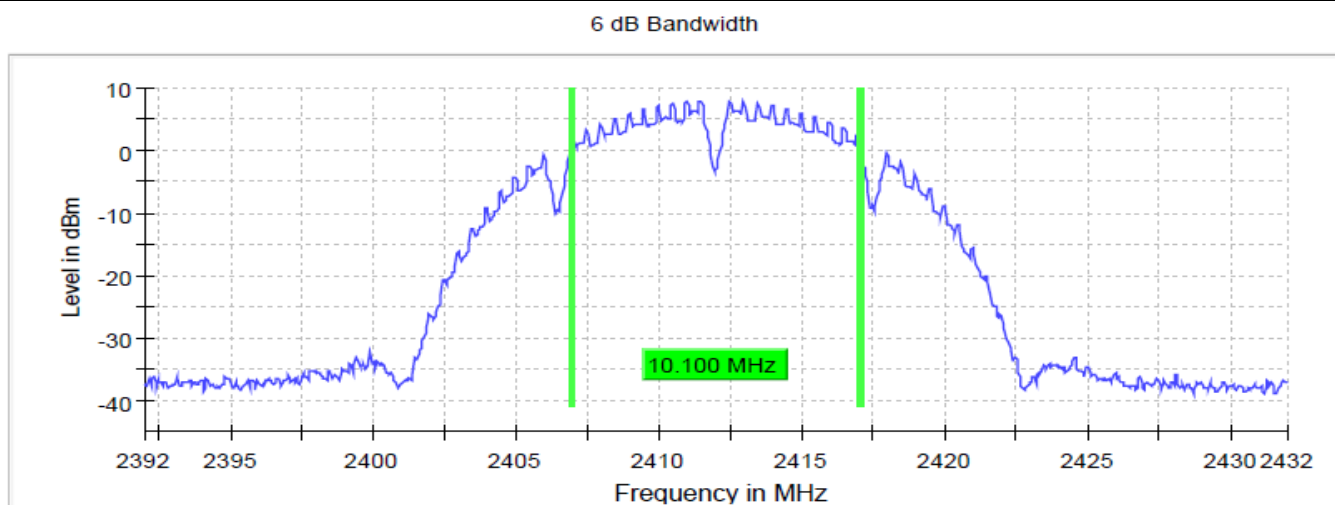
4.4.4 DTS Bandwidth (6dB)

Definition: Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v05r02 and ANSI C63.10-2013 11.8.1, RSS-247 5.2(a)

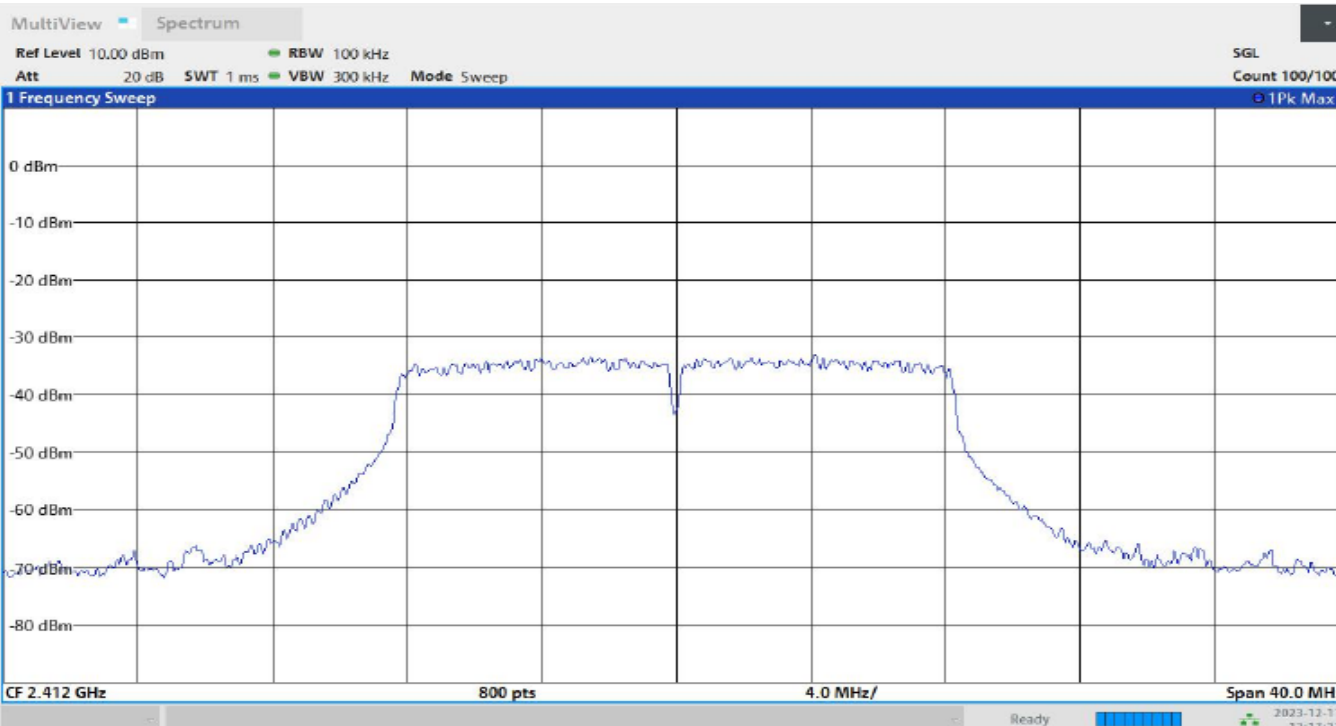
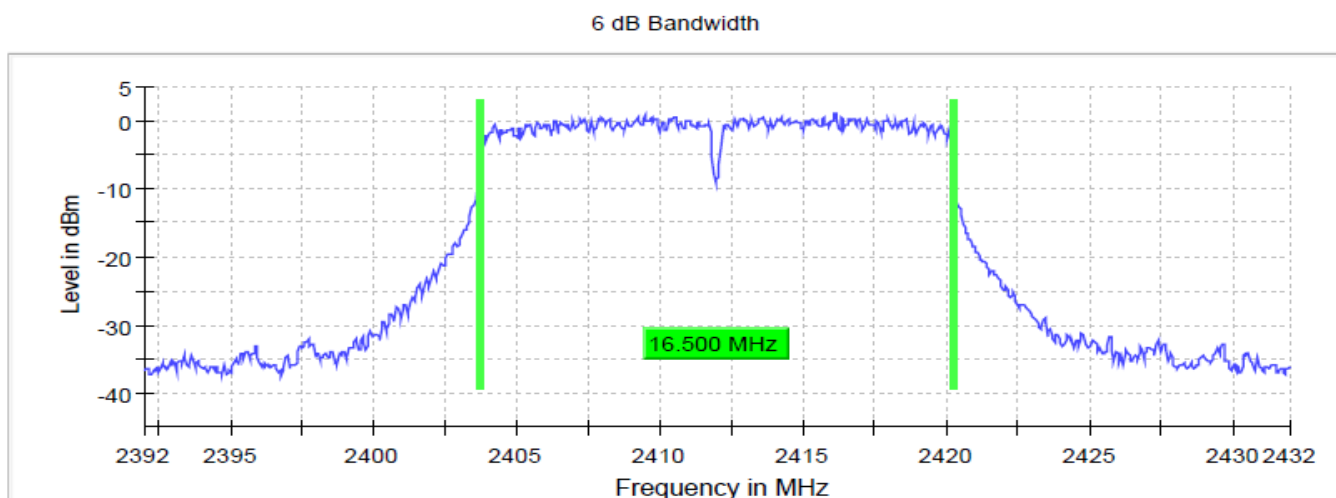
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 2%

Data Rate	DUT Frequency (MHz)	Bandwidth (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Minimum Limit (MHz)
802.11b 1Mbps	2412.000000	10.100000	2406.925000	2417.025000	0.500000
802.11g 6Mbps	2412.000000	16.500000	2403.725000	2420.225000	0.500000
802.11n (HT20) MCS0	2412.000000	17.700000	2403.125000	2420.825000	0.500000
802.11n (HT40) MCS0	2422.000000	36.050000	2404.125000	2440.175000	0.500000
802.11b 1Mbps	2437.000000	10.150000	2431.875000	2442.025000	0.500000
802.11g 6Mbps	2437.000000	16.550000	2428.675000	2445.225000	0.500000
802.11n (HT20) MCS0	2437.000000	17.700000	2428.125000	2445.825000	0.500000
802.11n (HT40) MCS0	2452.000000	36.400000	2433.775000	2470.175000	0.500000
802.11b 1Mbps	2462.000000	10.150000	2456.875000	2467.025000	0.500000
802.11g 6Mbps	2462.000000	16.500000	2453.725000	2470.225000	0.500000
802.11n (HT20) MCS0	2462.000000	17.700000	2453.125000	2470.825000	0.500000

802.11b 2412MHz 1Mbps

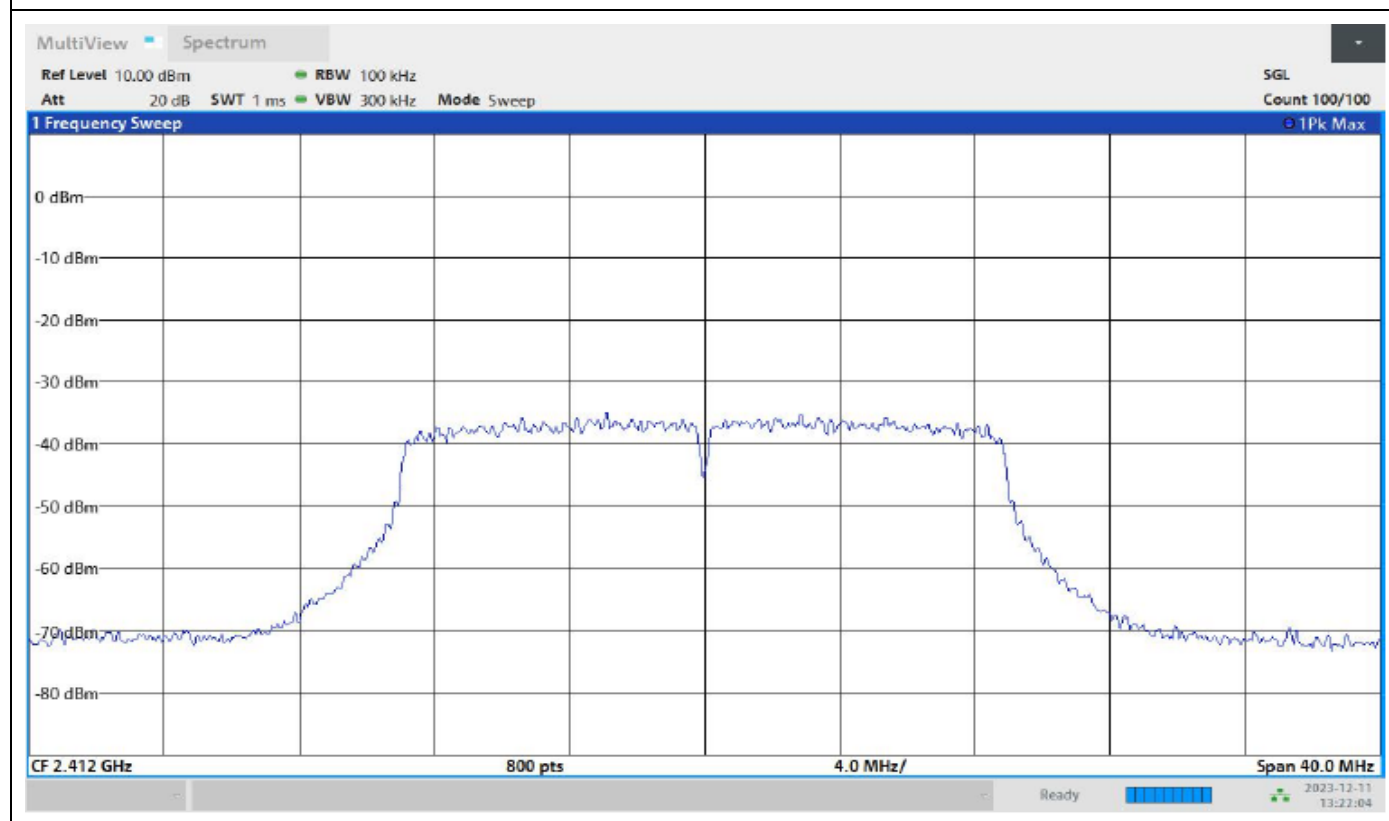
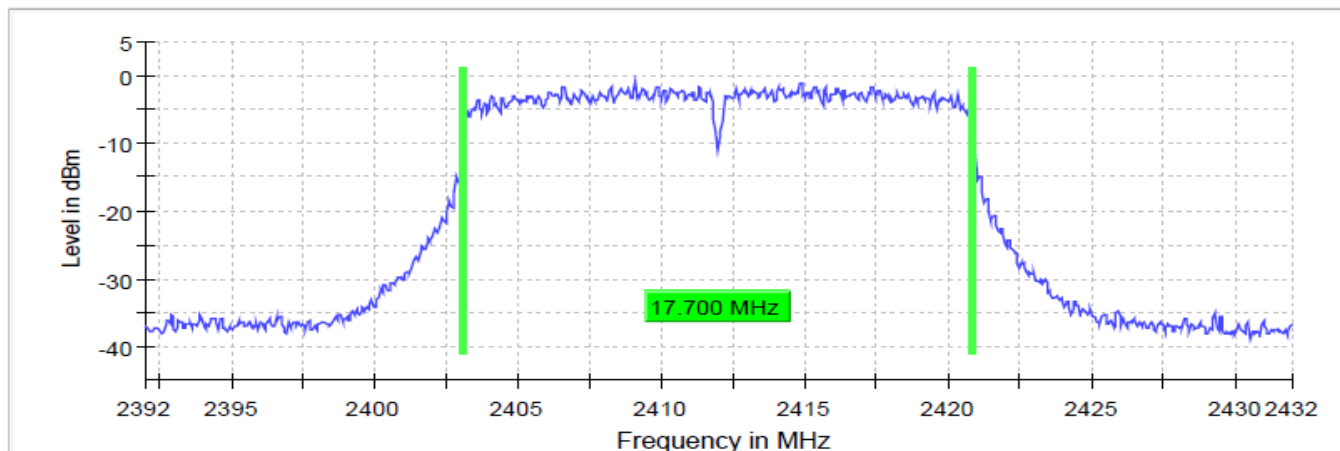


802.11g 2412MHz 6Mbps



802.11n 2412MHz MCS0

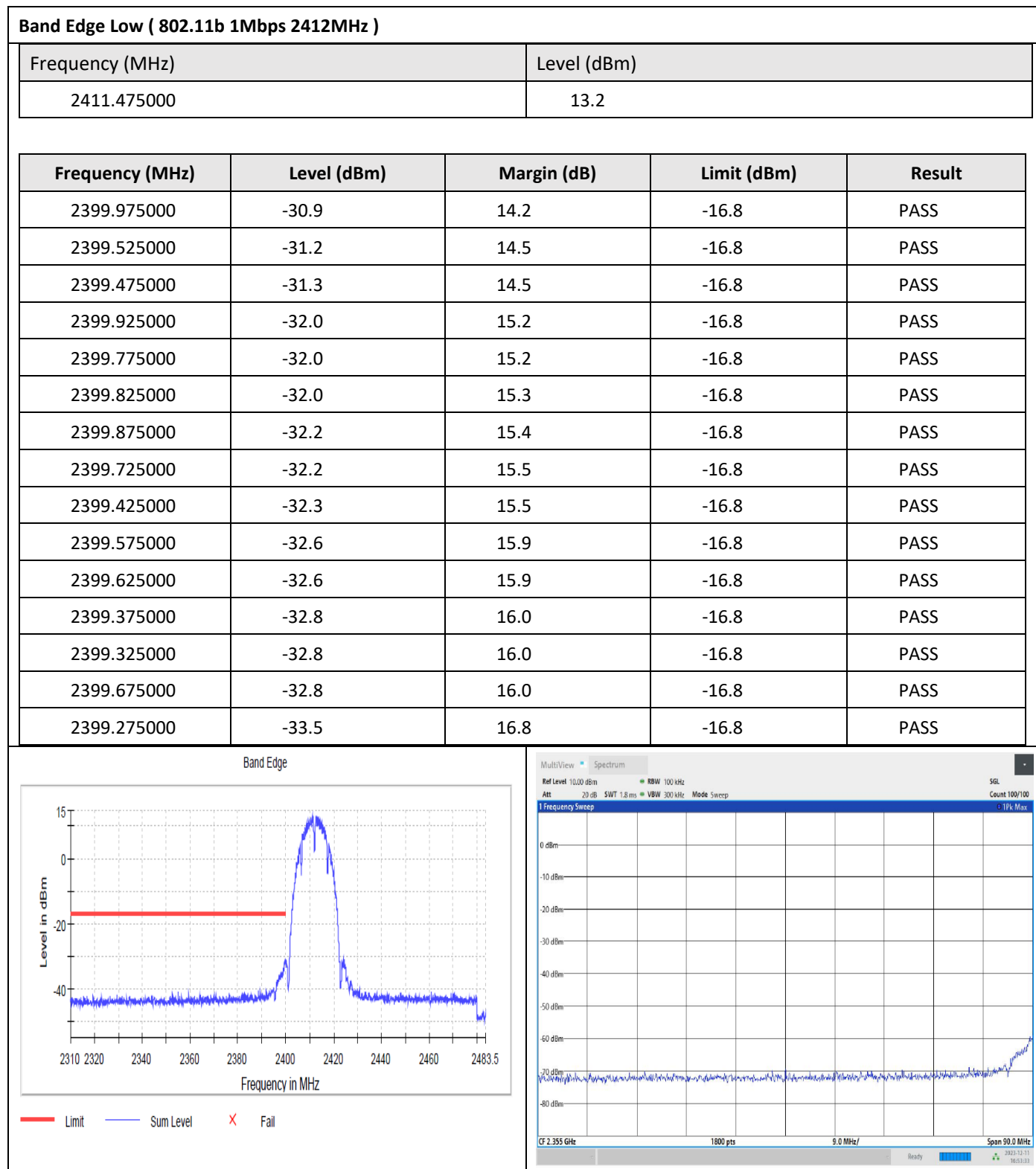
6 dB Bandwidth



4.4.5 Conducted Band Edge

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 Section 8.7 and ANSI C63.10-2013 Section 11.11.3, RSS-247 5.5

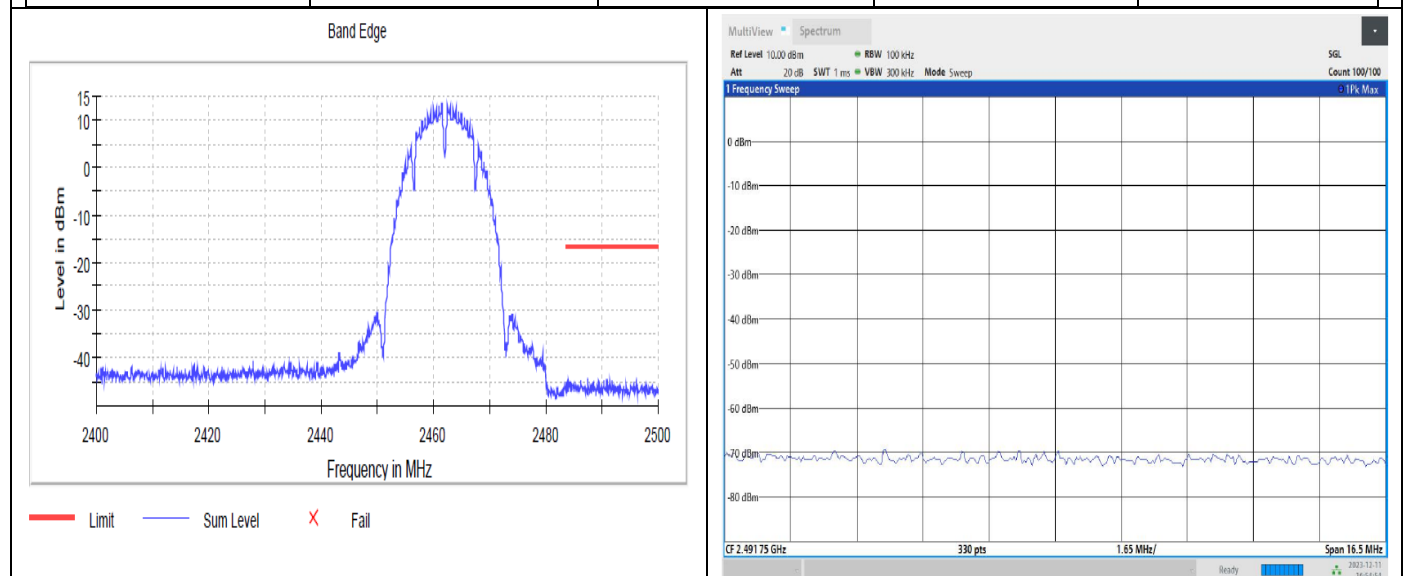
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 0.8 dB



Band Edge High (802.11b 1Mbps 2462MHz)

Frequency (MHz)	Level (dBm)
2462.475000	13.2

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2487.525000	-44.4	27.6	-16.8	PASS
2487.475000	-44.5	27.7	-16.8	PASS
2484.075000	-44.6	27.8	-16.8	PASS
2486.275000	-44.6	27.8	-16.8	PASS
2489.425000	-44.7	27.9	-16.8	PASS
2490.875000	-44.7	27.9	-16.8	PASS
2490.825000	-44.7	27.9	-16.8	PASS
2491.825000	-44.8	28.0	-16.8	PASS
2490.325000	-44.8	28.0	-16.8	PASS
2491.475000	-44.8	28.0	-16.8	PASS
2486.225000	-44.8	28.0	-16.8	PASS
2484.325000	-44.9	28.1	-16.8	PASS
2488.425000	-45.0	28.2	-16.8	PASS
2490.375000	-45.0	28.2	-16.8	PASS
2484.275000	-45.0	28.2	-16.8	PASS

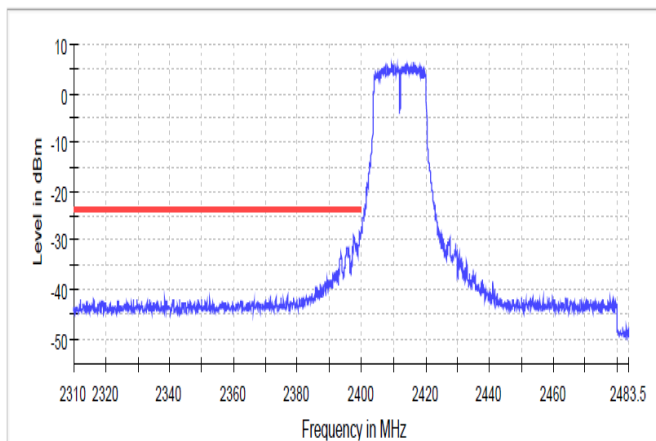


Band Edge Low (802.11g 6Mbps 2412MHz)

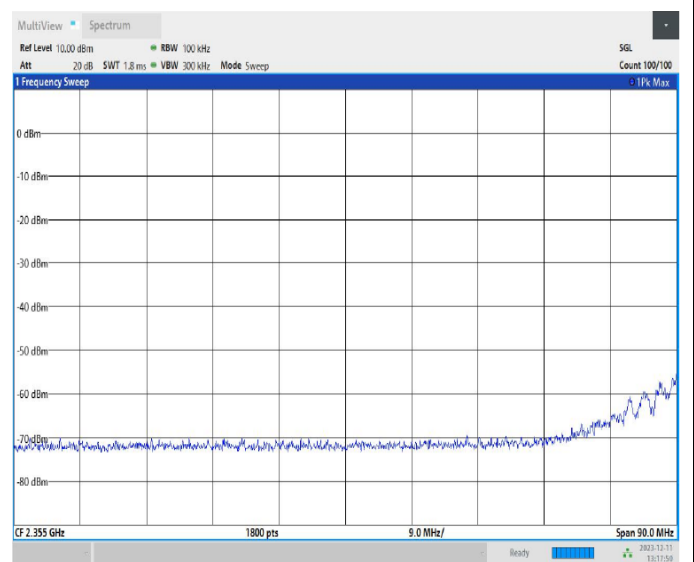
Frequency (MHz)	Level (dBm)
2416.125000	6.4

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.925000	-27.3	3.7	-23.6	PASS
2399.975000	-27.3	3.7	-23.6	PASS
2399.875000	-27.6	4.0	-23.6	PASS
2399.825000	-27.9	4.3	-23.6	PASS
2399.425000	-28.2	4.6	-23.6	PASS
2399.475000	-28.5	4.9	-23.6	PASS
2399.375000	-28.6	5.0	-23.6	PASS
2399.625000	-29.0	5.4	-23.6	PASS
2399.675000	-29.0	5.4	-23.6	PASS
2397.625000	-29.2	5.6	-23.6	PASS
2399.325000	-29.2	5.6	-23.6	PASS
2397.675000	-29.2	5.6	-23.6	PASS
2397.925000	-29.4	5.8	-23.6	PASS
2399.775000	-29.5	5.9	-23.6	PASS
2397.875000	-29.7	6.1	-23.6	PASS

Band Edge



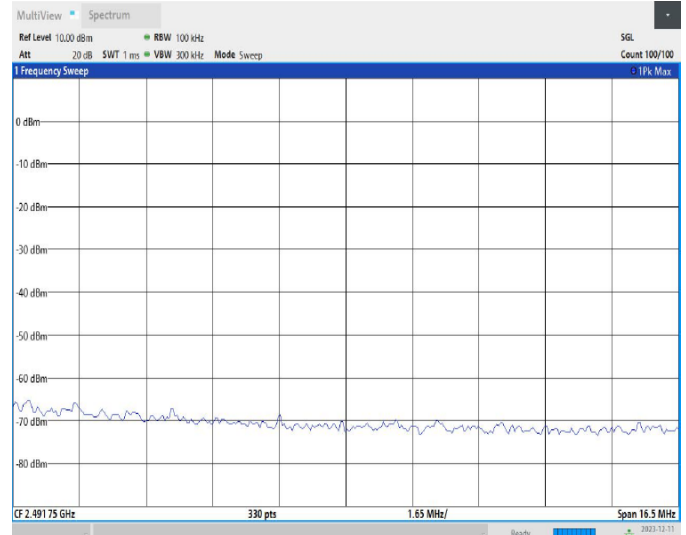
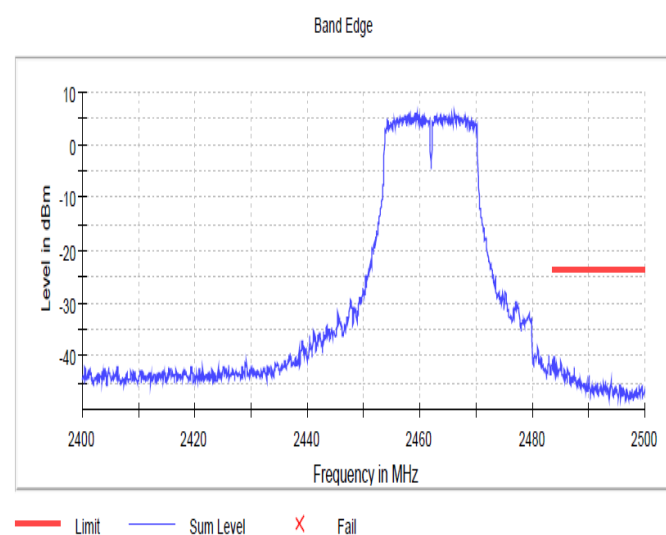
— Limit — Sum Level X Fail



Band Edge High (802.11g 6Mbps 2462MHz)

Frequency (MHz)	Level (dBm)
2466.125000	6.3

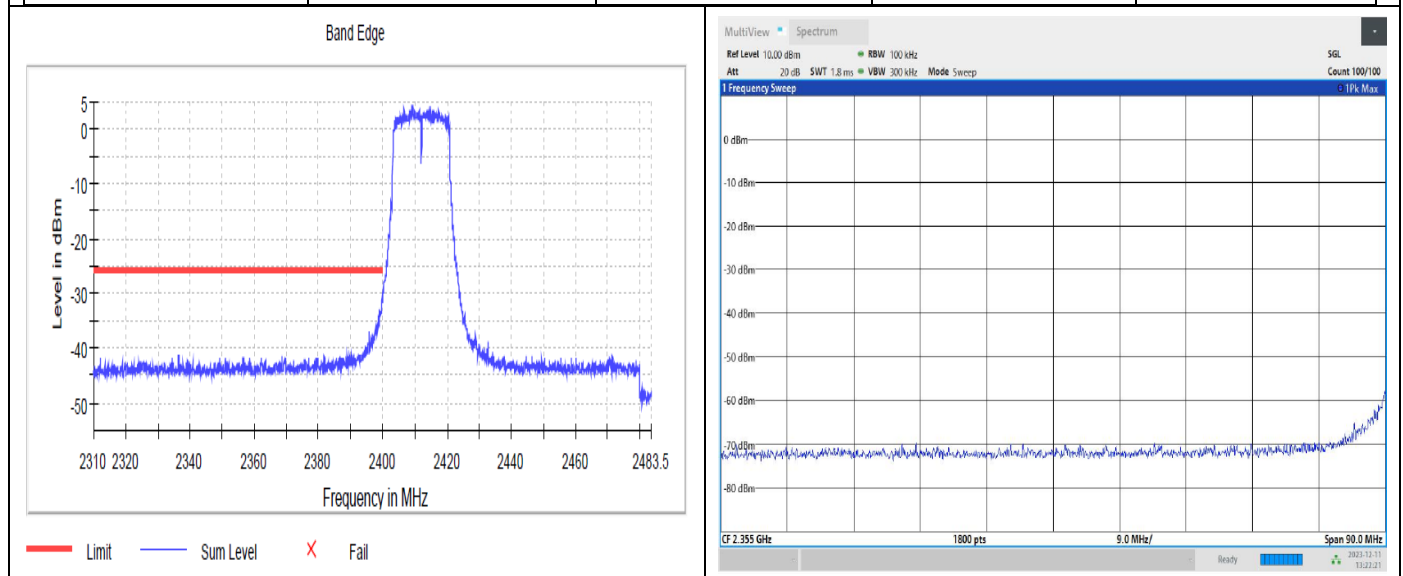
Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2483.925000	-40.3	16.6	-23.7	PASS
2483.875000	-40.3	16.6	-23.7	PASS
2483.575000	-40.7	16.9	-23.7	PASS
2485.025000	-40.9	17.1	-23.7	PASS
2485.075000	-40.9	17.1	-23.7	PASS
2483.825000	-40.9	17.2	-23.7	PASS
2483.625000	-41.0	17.2	-23.7	PASS
2483.775000	-41.3	17.6	-23.7	PASS
2483.975000	-41.3	17.6	-23.7	PASS
2483.525000	-41.7	17.9	-23.7	PASS
2484.125000	-41.7	18.0	-23.7	PASS
2485.125000	-41.8	18.1	-23.7	PASS
2484.475000	-42.1	18.4	-23.7	PASS
2487.475000	-42.3	18.5	-23.7	PASS
2487.425000	-42.3	18.5	-23.7	PASS



Band Edge Low (802.11n (HT20) MCS0 2412MHz)

Frequency (MHz)	Level (dBm)
2409.125000	4.4

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2399.825000	-29.9	4.3	-25.6	PASS
2399.875000	-29.9	4.3	-25.6	PASS
2399.925000	-30.3	4.7	-25.6	PASS
2399.975000	-30.8	5.2	-25.6	PASS
2399.775000	-31.4	5.8	-25.6	PASS
2399.725000	-31.5	5.9	-25.6	PASS
2399.675000	-31.6	6.0	-25.6	PASS
2399.625000	-31.7	6.1	-25.6	PASS
2399.575000	-32.3	6.7	-25.6	PASS
2398.975000	-33.1	7.4	-25.6	PASS
2399.025000	-33.1	7.4	-25.6	PASS
2399.275000	-33.3	7.7	-25.6	PASS
2399.225000	-33.4	7.7	-25.6	PASS
2399.375000	-33.5	7.9	-25.6	PASS
2399.425000	-33.6	7.9	-25.6	PASS

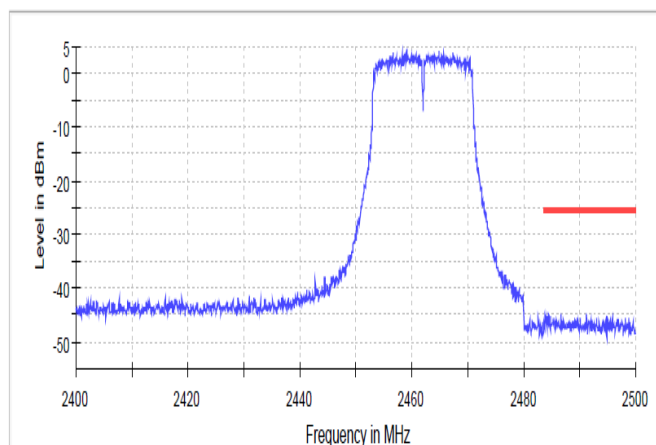


Band Edge High (802.11n (HT20) MCS0 2462MHz)

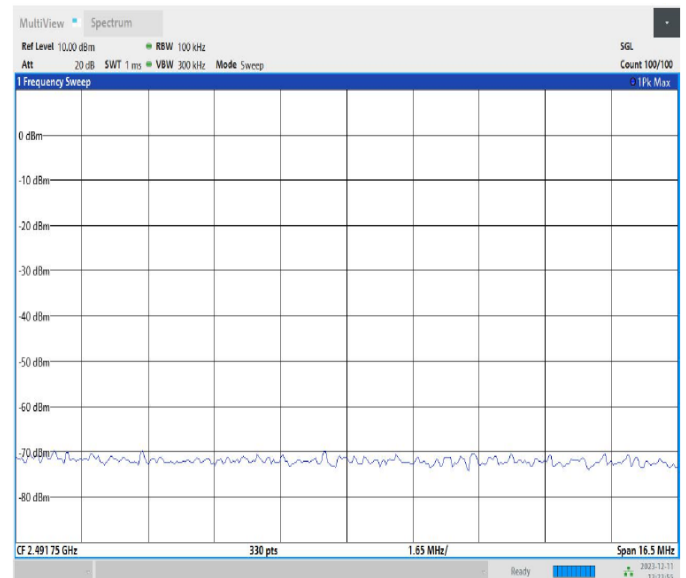
Frequency (MHz)	Level (dBm)
2459.125000	4.6

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2484.475000	-44.7	19.4	-25.4	PASS
2486.675000	-44.7	19.4	-25.4	PASS
2491.225000	-44.9	19.5	-25.4	PASS
2491.175000	-44.9	19.6	-25.4	PASS
2484.775000	-45.2	19.8	-25.4	PASS
2484.825000	-45.2	19.8	-25.4	PASS
2484.225000	-45.3	19.9	-25.4	PASS
2494.875000	-45.3	19.9	-25.4	PASS
2483.875000	-45.3	19.9	-25.4	PASS
2486.625000	-45.3	20.0	-25.4	PASS
2484.525000	-45.4	20.0	-25.4	PASS
2498.175000	-45.5	20.1	-25.4	PASS
2495.825000	-45.5	20.1	-25.4	PASS
2485.425000	-45.5	20.1	-25.4	PASS
2492.975000	-45.5	20.2	-25.4	PASS

Band Edge



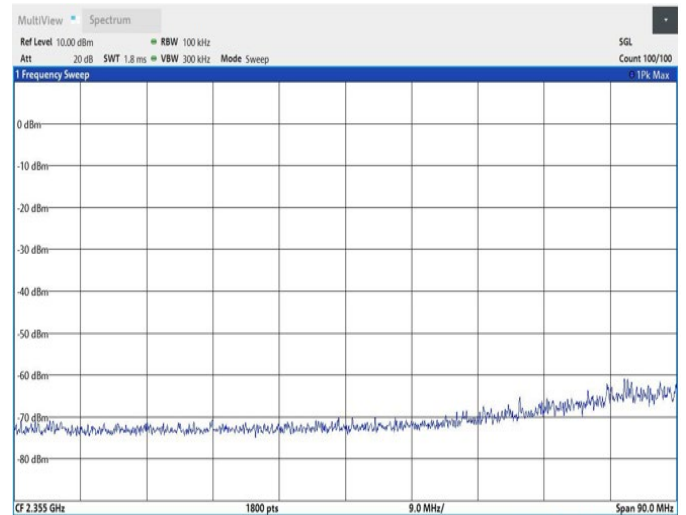
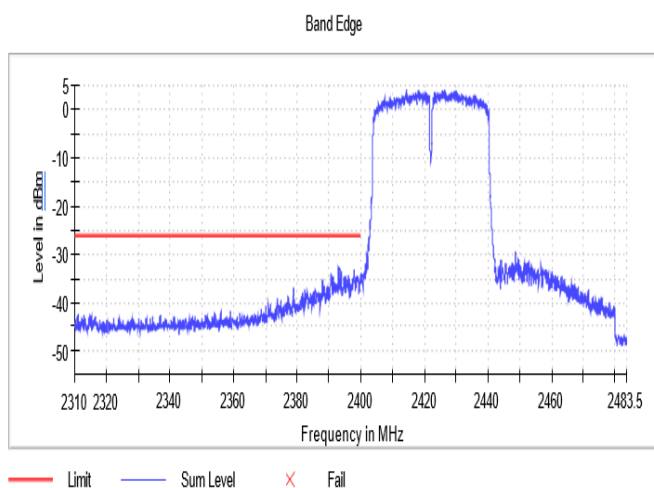
— Limit — Sum Level x Fail

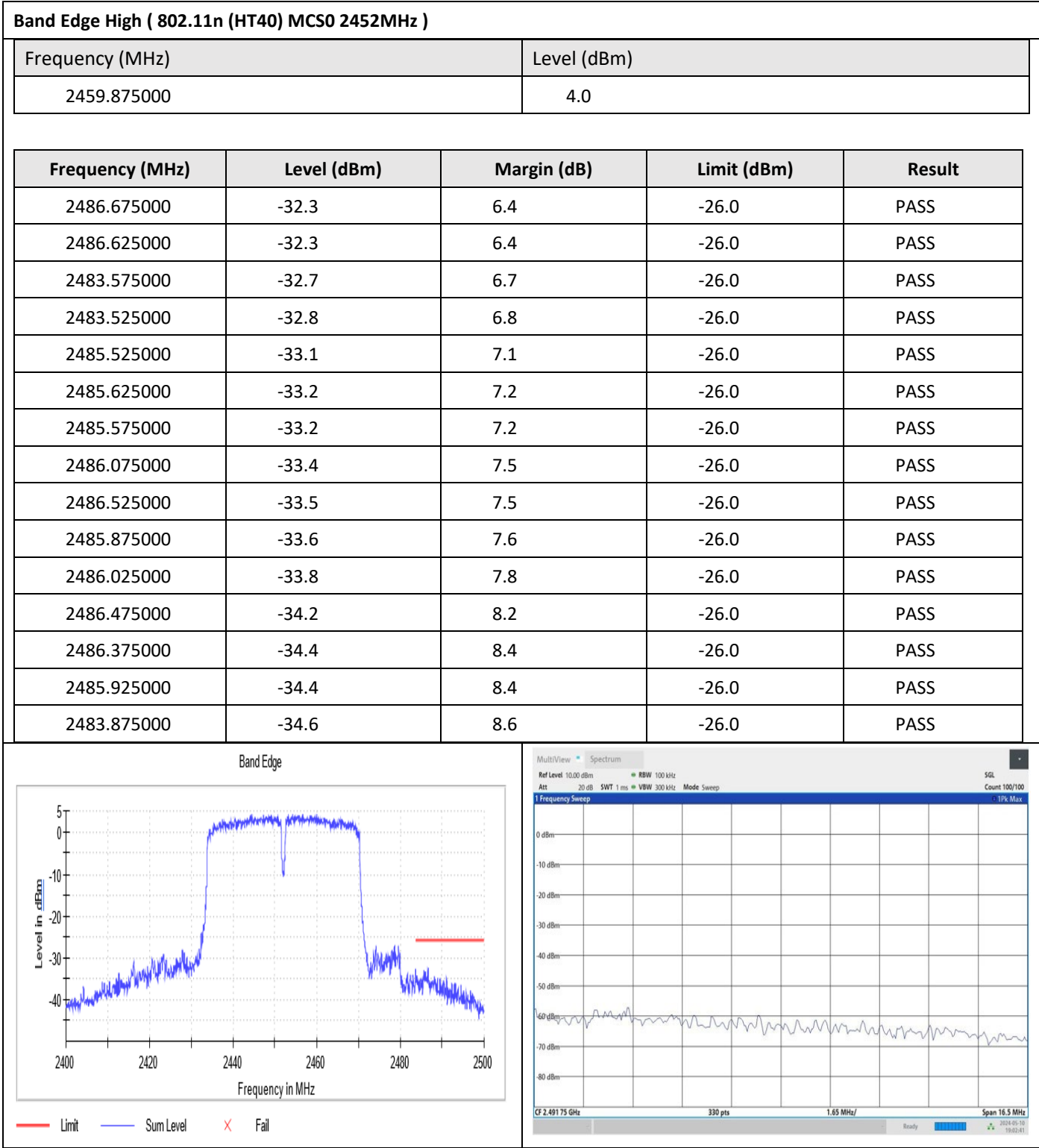


Band Edge Low (802.11n (HT40) MCS0 2422MHz)

Frequency (MHz)	Level (dBm)
2425.475000	4.0

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)	Result
2392.925000	-32.8	6.8	-26.0	PASS
2392.875000	-32.8	6.8	-26.0	PASS
2393.325000	-32.8	6.8	-26.0	PASS
2393.275000	-33.1	7.1	-26.0	PASS
2397.725000	-33.4	7.3	-26.0	PASS
2397.775000	-33.4	7.4	-26.0	PASS
2393.375000	-33.4	7.4	-26.0	PASS
2393.875000	-33.6	7.6	-26.0	PASS
2393.825000	-33.6	7.6	-26.0	PASS
2390.575000	-33.8	7.8	-26.0	PASS
2390.525000	-33.9	7.8	-26.0	PASS
2392.825000	-34.0	8.0	-26.0	PASS
2399.875000	-34.1	8.0	-26.0	PASS
2392.975000	-34.1	8.1	-26.0	PASS
2399.925000	-34.3	8.3	-26.0	PASS

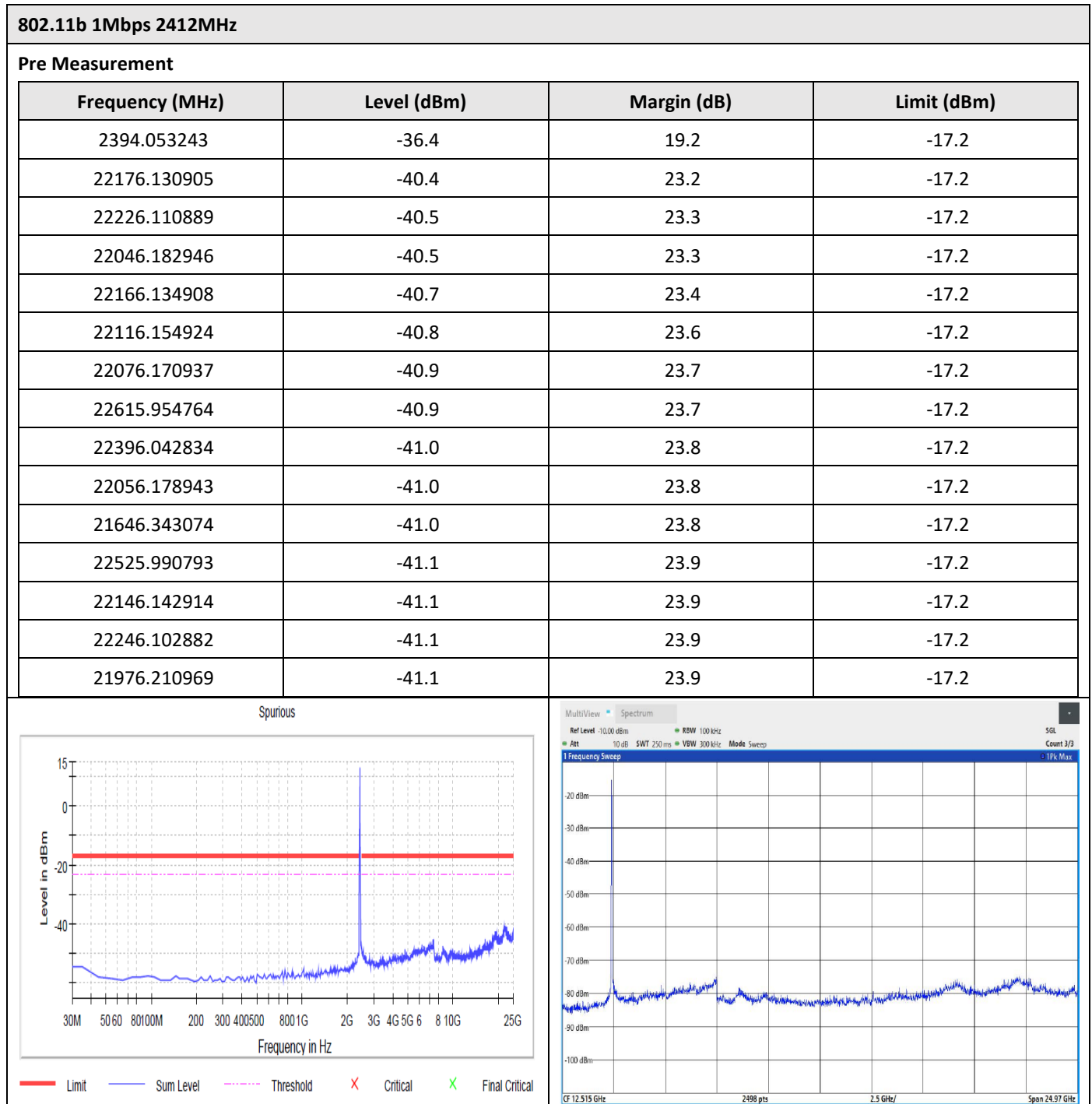




4.4.6 Tx Spurious Emissions

Test according to FCC title 47 part 15 §15.247(d), KDB 558074 D01 DTS Meas Guidance v05r02 8.5 and ANSI C63.10-2013 11.11.2 & 11.11.3, RSS-247 5.5

Measurement uncertainty calculated in accordance with ETSI TR 100 028-1. Expanded Uncertainty (K=2) < 1.8 dB

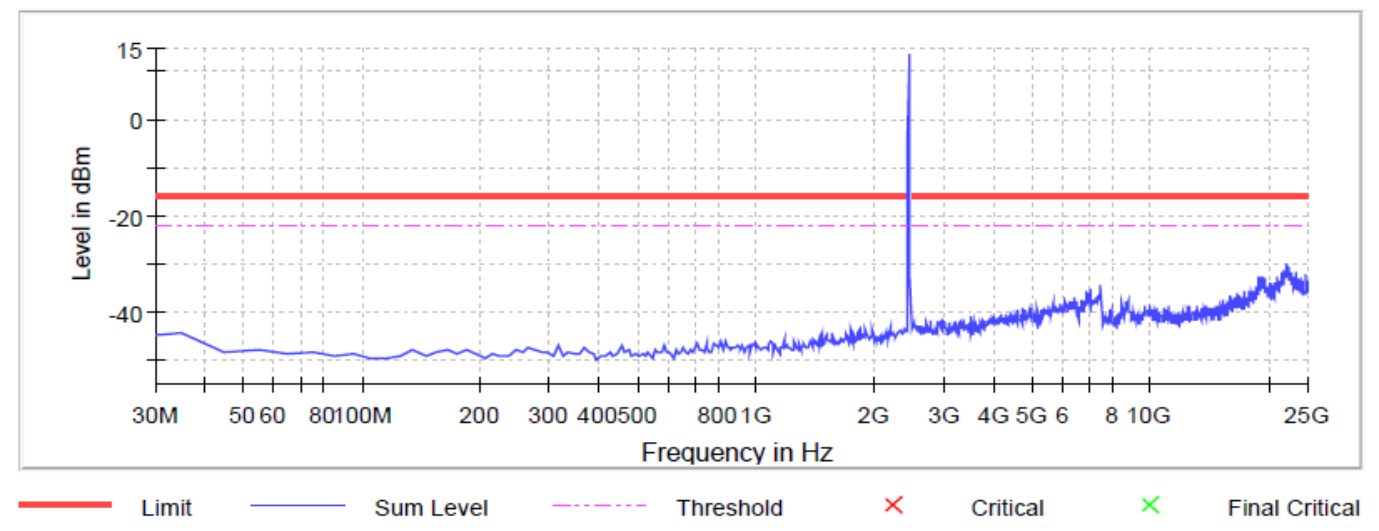


802.11b 1Mbps 2437MHz

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22026.190953	-30.3	14.1	-16.1
22236.106886	-30.3	14.2	-16.1
22056.178943	-30.4	14.3	-16.1
22016.194956	-30.7	14.6	-16.1
22176.130905	-30.8	14.7	-16.1
22206.118895	-30.8	14.7	-16.1
22246.102882	-31.0	14.9	-16.1
22046.182946	-31.1	15.0	-16.1
21996.202962	-31.1	15.0	-16.1
22515.994796	-31.2	15.0	-16.1
22146.142914	-31.2	15.0	-16.1
22166.134908	-31.2	15.1	-16.1
22226.110889	-31.4	15.2	-16.1
22106.158927	-31.4	15.2	-16.1
22076.170937	-31.4	15.3	-16.1

Spurious

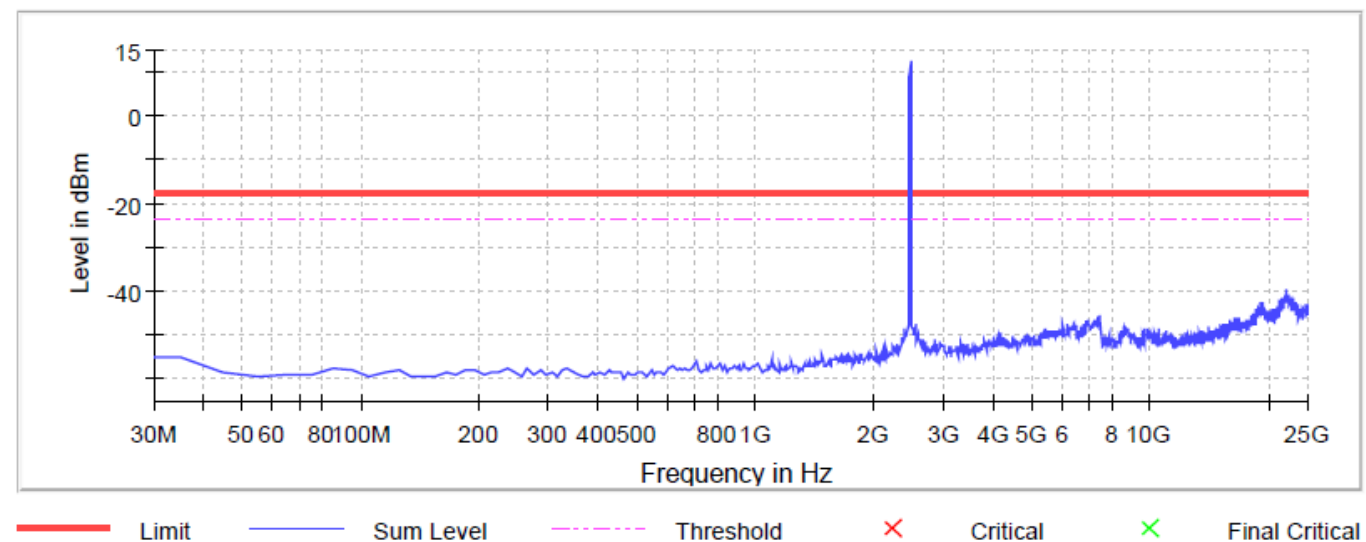


802.11b 1Mbps 2462MHz

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22086.166934	-39.7	22.1	-17.6
22136.146918	-40.3	22.7	-17.6
22076.170937	-40.3	22.8	-17.6
22046.182946	-40.7	23.1	-17.6
22036.186950	-40.7	23.1	-17.6
22056.178943	-40.8	23.2	-17.6
22106.158927	-41.1	23.5	-17.6
22006.198959	-41.1	23.5	-17.6
22246.102882	-41.2	23.6	-17.6
22206.118895	-41.2	23.6	-17.6
22236.106886	-41.2	23.6	-17.6
22276.090873	-41.3	23.7	-17.6
22176.130905	-41.3	23.8	-17.6
22386.046837	-41.4	23.8	-17.6
22096.162930	-41.4	23.8	-17.6

Spurious



802.11g 6Mbps 2412MHz

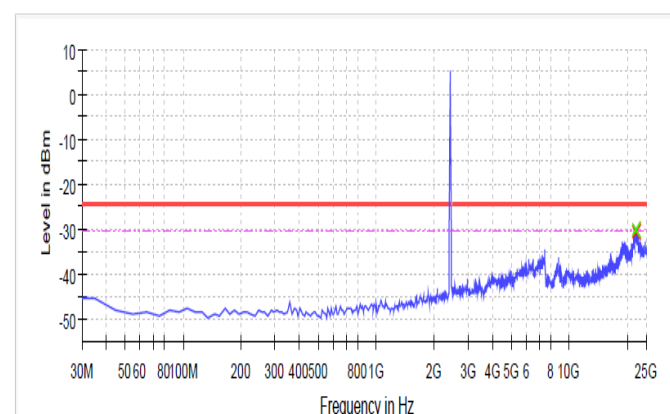
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
22102.069151	-30.6	-60.5	35.9	-24.7

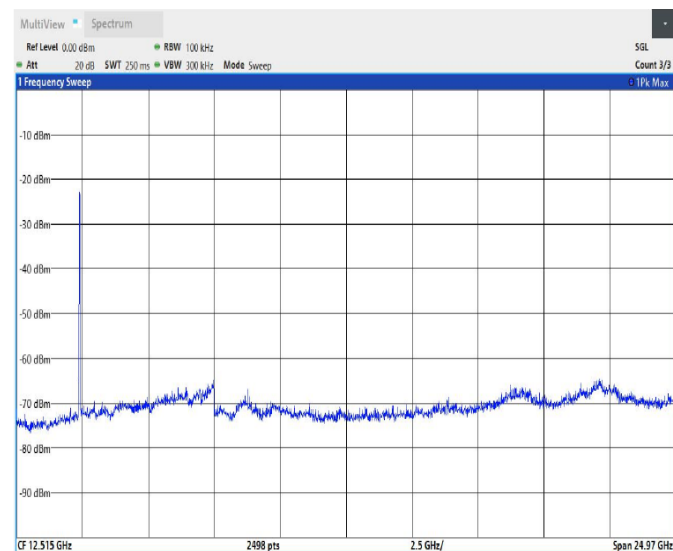
Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22106.158927	-30.0	5.3	-24.7
22186.126902	-30.2	5.6	-24.7
22066.174940	-30.5	5.8	-24.7
22136.146918	-30.5	5.8	-24.7
21986.206966	-30.6	5.9	-24.7
22086.166934	-30.8	6.1	-24.7
21896.242994	-30.9	6.2	-24.7
22146.142914	-31.2	6.5	-24.7
22466.014812	-31.2	6.5	-24.7
22246.102882	-31.2	6.5	-24.7
21386.447158	-31.3	6.6	-24.7
22685.926741	-31.4	6.7	-24.7
22196.122898	-31.4	6.7	-24.7
22036.186950	-31.4	6.7	-24.7
22096.162930	-31.4	6.7	-24.7

Spurious



— Limit
— Sum Level
— Threshold
X Critical
X Final Critical
♦ Fail
♦ Pass

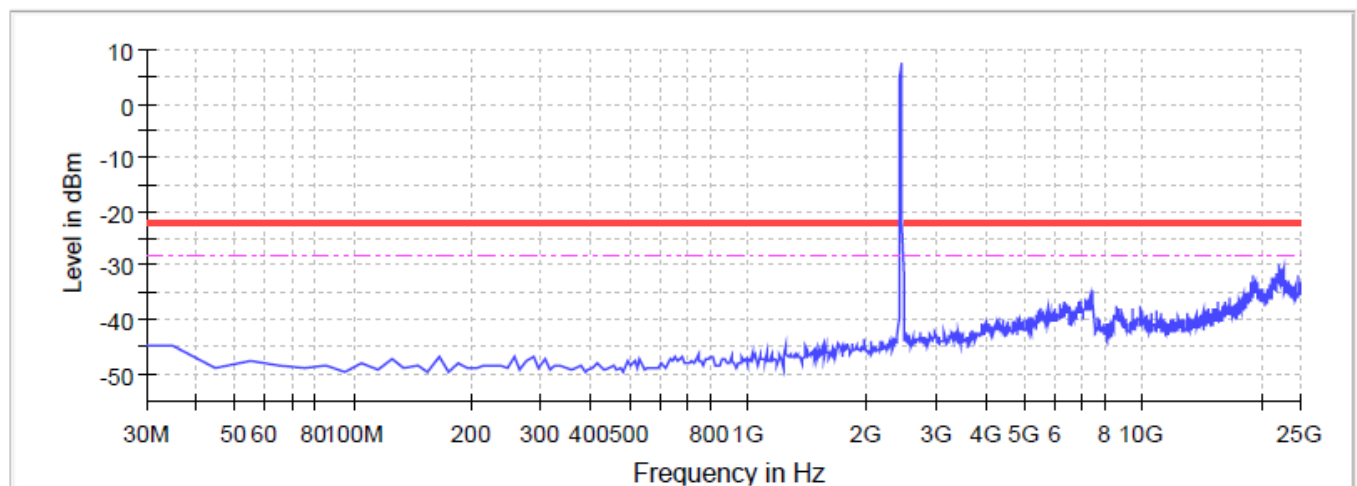


802.11g 6Mbps 2437MHz

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22006.198959	-29.9	7.6	-22.3
22096.162930	-30.4	8.1	-22.3
22106.158927	-30.5	8.2	-22.3
22196.122898	-30.6	8.3	-22.3
22336.066853	-30.6	8.3	-22.3
22056.178943	-30.6	8.3	-22.3
22555.978783	-30.6	8.4	-22.3
22146.142914	-30.7	8.4	-22.3
21996.202962	-30.8	8.5	-22.3
22026.190953	-30.8	8.5	-22.3
22036.186950	-30.8	8.5	-22.3
22046.182946	-30.8	8.6	-22.3
22186.126902	-31.0	8.7	-22.3
22166.134908	-31.1	8.9	-22.3
22086.166934	-31.2	9.0	-22.3

Spurious



802.11g 6Mbps 2462MHz

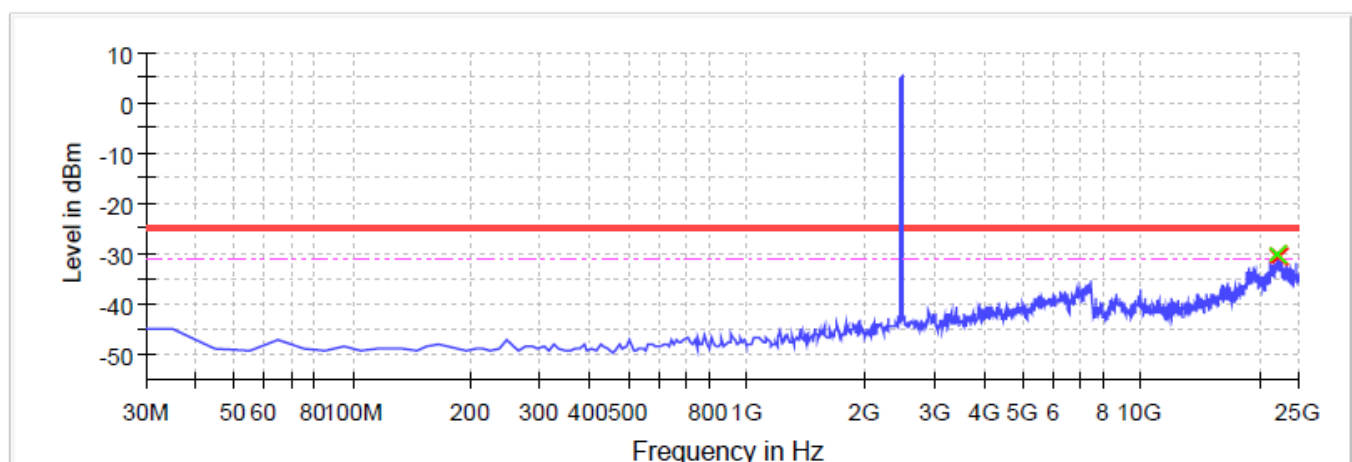
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
22056.677696	-30.2	-60.0	35.2	-24.8

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22056.178943	-30.1	5.3	-24.8
22116.154924	-30.3	5.5	-24.8
22086.166934	-30.7	5.9	-24.8
22416.034828	-30.8	5.9	-24.8
22066.174940	-30.9	6.0	-24.8
21996.202962	-30.9	6.1	-24.8
22096.162930	-31.0	6.1	-24.8
22346.062850	-31.1	6.3	-24.8
21336.467174	-31.3	6.5	-24.8
22386.046837	-31.3	6.5	-24.8
22126.150921	-31.3	6.5	-24.8
22166.134908	-31.4	6.5	-24.8
22306.078863	-31.4	6.6	-24.8
22336.066853	-31.4	6.6	-24.8
22246.102882	-31.4	6.6	-24.8

Spurious



— Limit
x Final Critical
 — Sum Level
◆ Fail
 - - - Threshold
◆ Pass
 x Critical

802.11n (HT20) MCS0 2412MHz

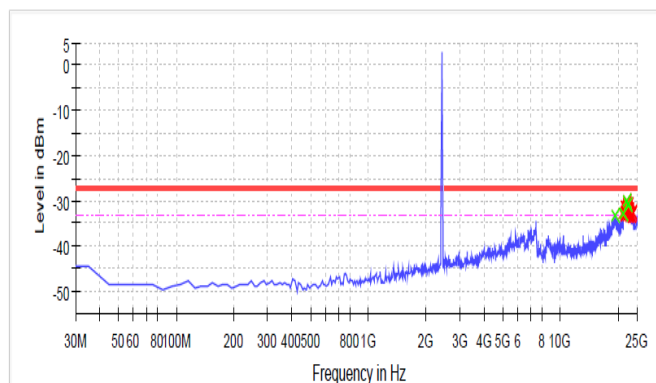
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
19271.186111	-33.6	-63.1	35.9	-27.2
21189.818993	-32.9	-63.9	36.8	-27.2
22087.264191	-30.2	-60.3	33.1	-27.2
22532.345891	-31.4	-61.7	34.5	-27.2

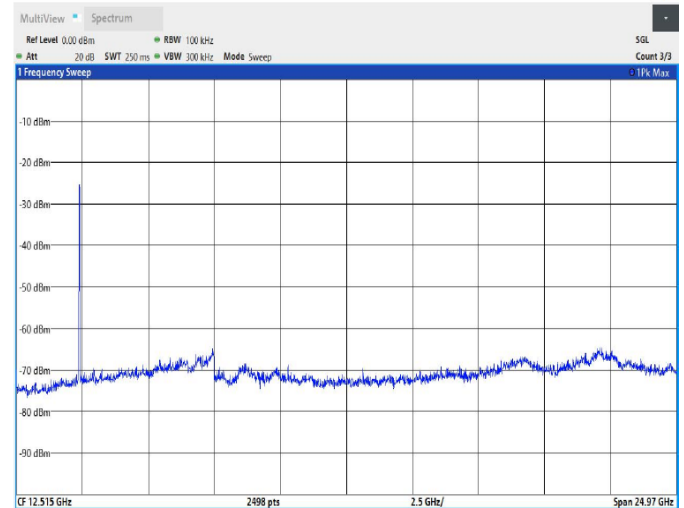
Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22086.166934	-30.0	2.9	-27.2
22156.138911	-30.1	2.9	-27.2
21996.202962	-30.4	3.2	-27.2
22336.066853	-30.7	3.5	-27.2
22535.986789	-30.7	3.5	-27.2
22565.974780	-30.8	3.6	-27.2
22046.182946	-30.9	3.7	-27.2
22026.190953	-30.9	3.7	-27.2
22016.194956	-31.1	4.0	-27.2
22186.126902	-31.1	4.0	-27.2
22486.006805	-31.2	4.0	-27.2
22206.118895	-31.2	4.0	-27.2
22096.162930	-31.2	4.1	-27.2
22166.134908	-31.3	4.1	-27.2
22545.982786	-31.3	4.1	-27.2

Spurious



— Limit
X Final Critical
— Sum Level
◆ Fail
— Threshold
◆ Pass
X Critical

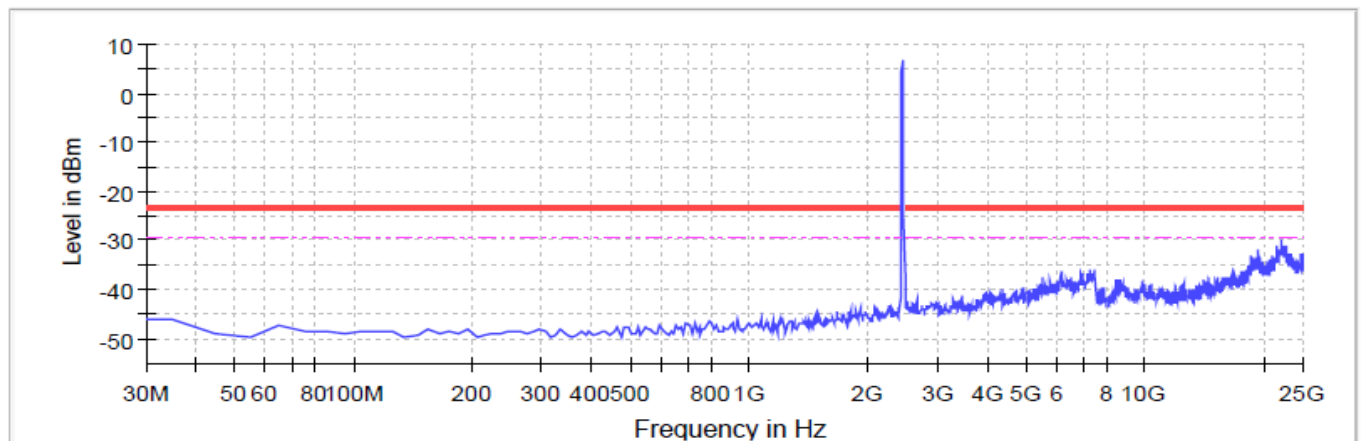


802.11n (HT20) MCS0 2437MHz

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22146.142914	-29.8	6.4	-23.4
22096.162930	-30.2	6.8	-23.4
22126.150921	-30.3	6.9	-23.4
22196.122898	-30.6	7.1	-23.4
22136.146918	-30.7	7.2	-23.4
22026.190953	-30.9	7.4	-23.4
22446.022818	-30.9	7.5	-23.4
22016.194956	-31.1	7.6	-23.4
22705.918735	-31.1	7.6	-23.4
22066.174940	-31.1	7.6	-23.4
21986.206966	-31.1	7.7	-23.4
21556.379103	-31.2	7.7	-23.4
22366.054844	-31.2	7.8	-23.4
22386.046837	-31.3	7.8	-23.4
22076.170937	-31.3	7.9	-23.4

Spurious



— Limit
 — Sum Level
 --- Threshold
 × Critical
 × Final Critical

802.11n (HT20) MCS0 2462MHz

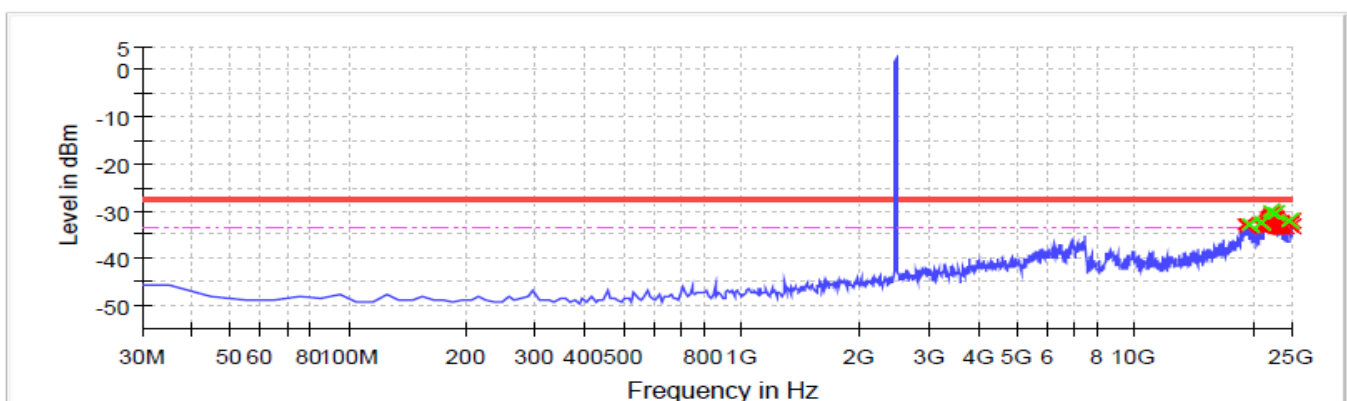
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
19391.707635	-33.6	-63.5	36.1	-27.5
20861.817419	-33.3	-63.6	36.2	-27.5
22105.938491	-31.0	-60.4	32.9	-27.5
22703.175593	-31.0	-62.2	34.8	-27.5
24796.229198	-32.2	-62.7	35.2	-27.5

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22096.162930	-30.2	2.7	-27.5
22705.918735	-30.3	2.9	-27.5
22016.194956	-30.4	2.9	-27.5
22076.170937	-30.9	3.5	-27.5
22156.138911	-30.9	3.5	-27.5
22366.054844	-31.0	3.6	-27.5
22106.158927	-31.0	3.6	-27.5
21966.214972	-31.1	3.6	-27.5
22236.106886	-31.1	3.6	-27.5
21796.283026	-31.1	3.6	-27.5
22116.154924	-31.1	3.7	-27.5
22196.122898	-31.2	3.7	-27.5
21856.259007	-31.2	3.7	-27.5
22226.110889	-31.2	3.8	-27.5
22166.134908	-31.3	3.8	-27.5

Spurious



802.11n (HT40) MCS0 2422MHz

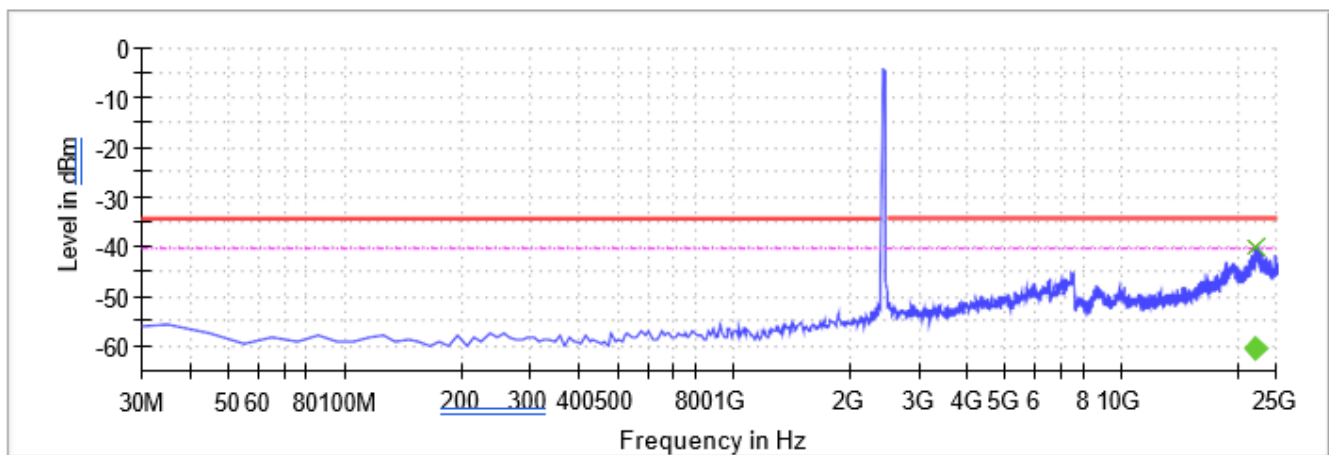
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
22034.769507	-41.6	-60.8	26.4	-34.4

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22026.190953	-40.1	5.7	-34.4
22246.102882	-40.6	6.3	-34.4
22066.174940	-40.8	6.4	-34.4
21936.226982	-40.8	6.4	-34.4
22346.062850	-40.8	6.4	-34.4
22006.198959	-40.8	6.5	-34.4
21966.214972	-41.1	6.7	-34.4
21926.230985	-41.2	6.8	-34.4
22106.158927	-41.3	6.9	-34.4
22206.118895	-41.3	6.9	-34.4
22136.146918	-41.4	7.0	-34.4
22086.166934	-41.4	7.0	-34.4
22575.970777	-41.4	7.0	-34.4
22076.170937	-41.5	7.1	-34.4
22096.162930	-41.5	7.1	-34.4

Spurious



— Limit
X Final Critical
— Sum Level
◆ Fail
- - - Threshold
◆ Pass
X Critical

802.11n (HT40) MCS0 2452MHz

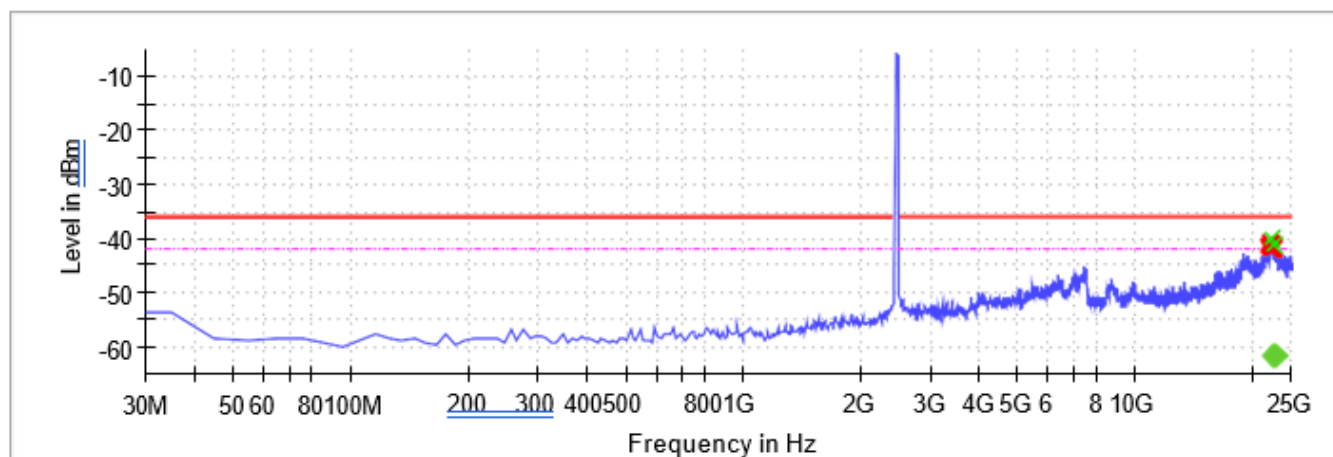
Final Measurement

Frequency (MHz)	Level Pre Measurement (dBm)	Level (dBm)	Margin (dB)	Limit (dBm)
22387.443346	-40.3	-61.7	25.8	-35.9
22646.512317	-43.2	-61.8	25.9	-35.9

Pre Measurement

Frequency (MHz)	Level (dBm)	Margin (dB)	Limit (dBm)
22386.046837	-39.9	4.0	-35.9
22026.190953	-40.3	4.4	-35.9
22176.130905	-40.4	4.5	-35.9
22196.122898	-40.7	4.8	-35.9
22076.170937	-40.7	4.8	-35.9
22136.146918	-40.8	4.9	-35.9
22156.138911	-40.9	5.0	-35.9
22046.182946	-41.0	5.1	-35.9
22126.150921	-41.1	5.2	-35.9
22655.938751	-41.2	5.2	-35.9
22226.110889	-41.2	5.3	-35.9
22146.142914	-41.2	5.3	-35.9
22436.026821	-41.3	5.4	-35.9
22066.174940	-41.3	5.4	-35.9
21926.230985	-41.3	5.4	-35.9

Spurious



— Limit
— Sum Level
--- Threshold
x Final Critical
◆ Fail
◆ Pass
x Critical

5. Radiated Testing

5.1 Test Summary

NORA-W300

Start: 12/07/2023	End: 05/13/2024	Temperature: 22.3°C Humidity: 26.2 %R.H	Initials: AP/AB
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DUT S/N	J23220-W300#1		DUT Operating Mode		WLAN Test Mode
Comment	-				
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-27.5GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√

Notes: √ meets the requirements of the acceptance criteria.

NORA-W301

Start: 12/11/2023	End: 02/27/2024	Temperature: 22.3°C Humidity: 26.2 %R.H	Initials: AP/AB
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DUT S/N	J23220-W301#2	DUT Operating Mode		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
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-27.5GHz	Horizontal	☐ Over ☒ Under	√
		Vertical	☐ Over ☒ Under	√

Notes: √ meets the requirements of the acceptance criteria.

NORA-W306

Start: 12/11/2023	End: 02/27/2024	Temperature: 21.9°C Humidity: 24.4 %R.H	Initials: AP/AB
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DUT S/N	J23220-W306#1		DUT Operating Mode		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
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-27.5GHz	Horizontal	☐ Over	☒ Under	√
		Vertical	☐ Over	☒ Under	√

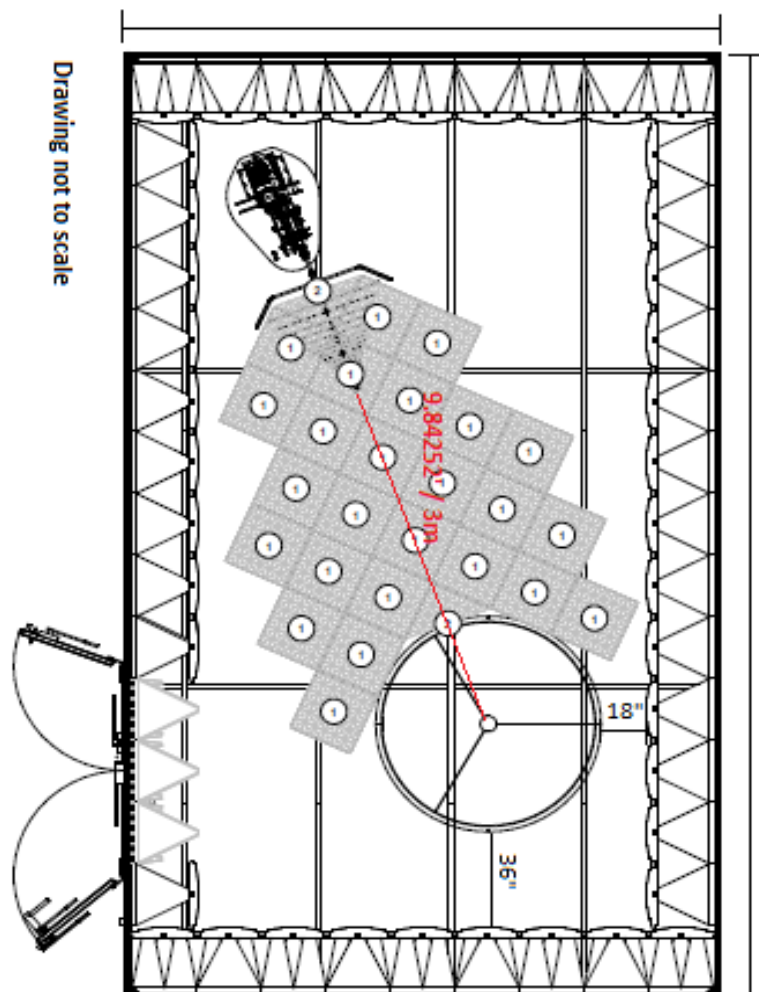
Notes: √ meets the requirements of the acceptance criteria.

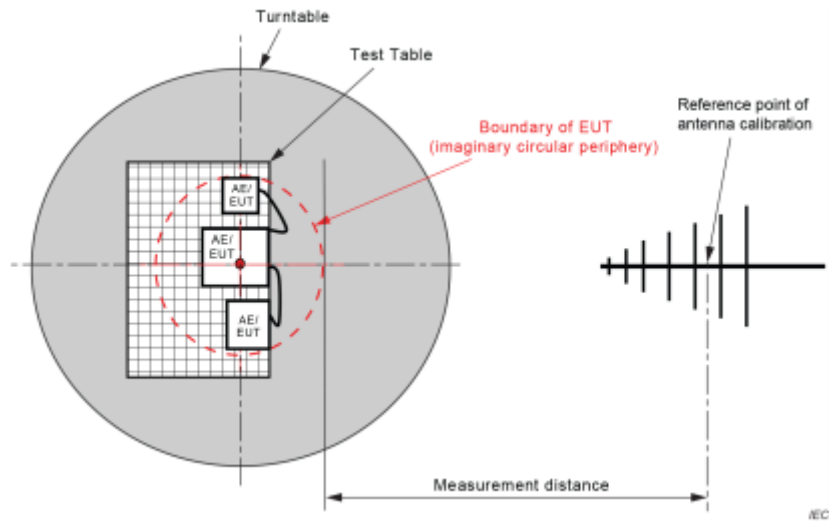
5.2 Test Setup

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
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
BVD0480	Band Reject Filter 50dB from 2400 to 2500MHz	Micro-Tronics	BRM50702	G482	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 Procedures

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). Other emissions shall be at least 20dB below the highest level of the desired power.

Frequencies (MHz)	Field strength ($\mu\text{V/m}$)	Field strength (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.
- As per 15.35(b), 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 20dB under any condition of modulation.
- 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 (dB $\mu\text{V/m}$)
0.009 ~ 0.490	2400/F(kHz) + 40 Log (300m/3m)	128.5 ~ 93.8
0.490 ~ 1.705	24000/F(kHz) + 40 Log (30m/3m)	73.8 ~ 62.96
1.705 ~ 30.0	29.54 + 40 Log (30m/3m)	69.54

Radiated emissions that fall in restricted bands, as defined in RSS-GEN Section 8.10 must also comply with radiated emissions limits specified in RSS-GEN Section 8.9

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 377 Ω .

The measurement procedures are as per ANSI C63.10-2013 Sections 6.3, Section 6.4, Section 6.5, and Section 6.6

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. Radiated emission tests are performed in the frequency range
 - i) 9 kHz to 30 MHz, using a calibrated loop antenna
 - ii) 30 MHz to 1GHz, using a calibrated log antenna
 - iii) Above 1 GHz using a calibrated horn antenna
3. 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.

Remarks:

1. Level Q-Peak Reading (dBμV/m) = Raw Q-Peak Level + Correction Factor
2. Correction Factor (dB) = Antenna Factor + Cable Loss – Preamplifier Gain
3. Margin = Level Q-Peak Reading – Limit

Remarks:

1. Level Peak Reading (dBμV/m) = Raw Peak Level + Correction Factor
2. Correction Factor (dB) = Antenna Factor + Cable Loss – Preamplifier Gain
3. Margin = Level Peak Reading – Limit

Remarks:

1. Level Average Reading (dBμV/m) = Raw Average Level + Correction Factor
2. Correction Factor (dB) = Antenna Factor + Cable Loss – Preamplifier Gain
3. Margin = Level Average Reading – Limit

5.5.1 NORA-W300

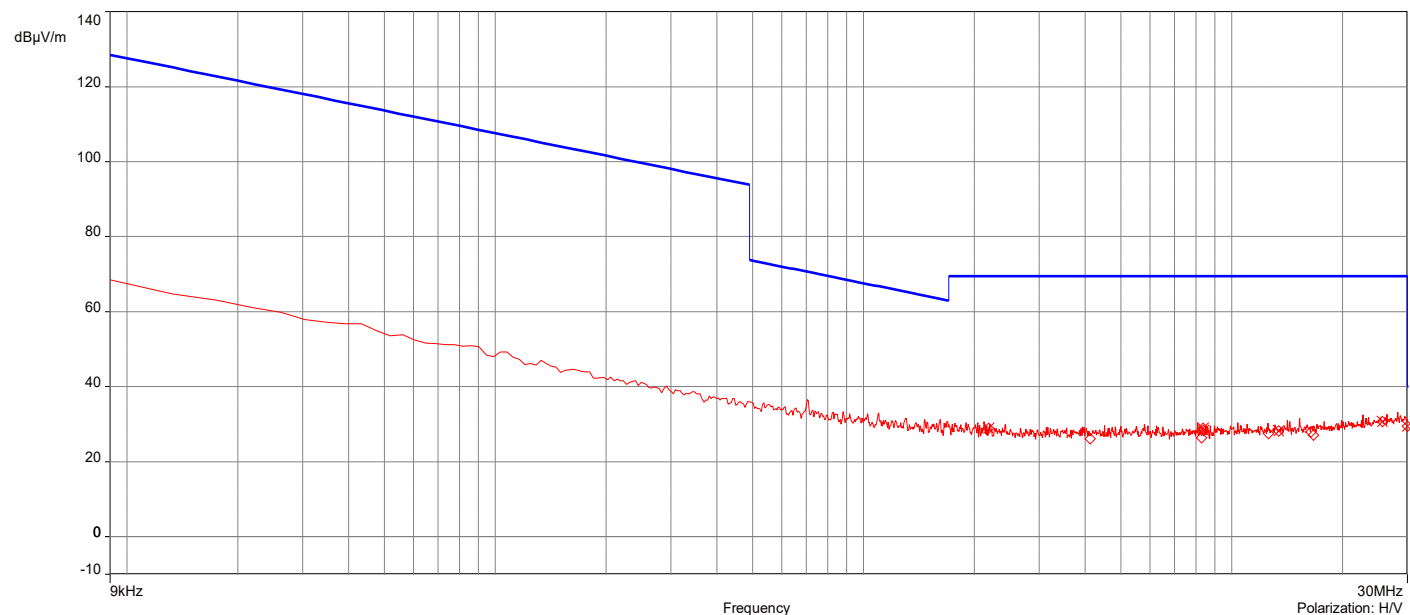
Pulse

J23220_W300#1_2.4G 802.11b_Ch 6_9kHz-30MHz_Ground-Parallel

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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	28.85	19.23	69.54	-40.69	1.00	237.20	H/V	Passed
2.	8.364829MHz	28.94	19.34	69.54	-40.60	1.00	88.90	H/V	Passed
3.	8.38197MHz	28.28	19.34	69.54	-41.26	1.00	69.10	H/V	Passed
4.	13.404037MHz	28.18	19.86	69.54	-41.36	1.00	292.80	H/V	Passed
5.	25.620688MHz	30.77	21.21	69.54	-38.77	1.00	84.50	H/V	Passed
6.	30MHz	29.52	22.04	40.00	-10.48	1.00	280.00	H/V	Passed

Overall Graphs:

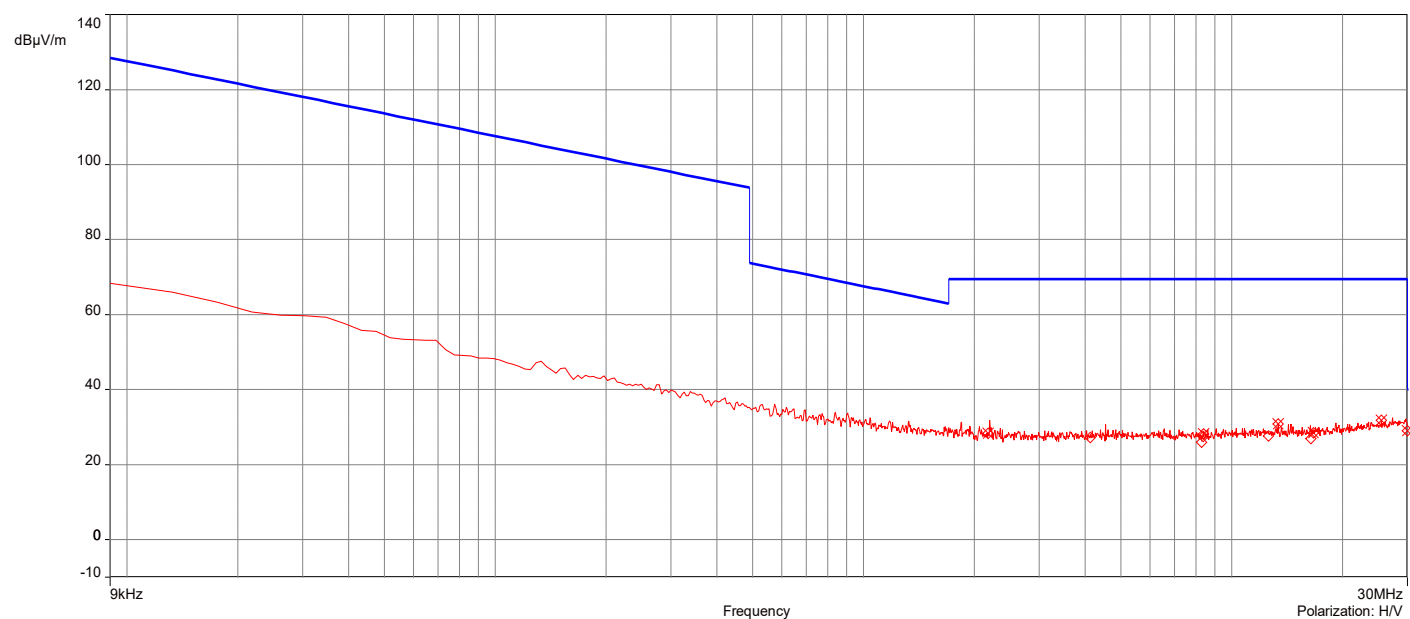


J23220_W300#1_2.4G 802.11b_Ch 6_9kHz-30MHz_Parallel

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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	28.42	19.23	69.54	-41.12	1.00	262.00	H/V	Passed
2.	8.377685MHz	28.27	19.34	69.54	-41.27	1.00	113.20	H/V	Passed
3.	13.386897MHz	30.83	19.86	69.54	-38.71	1.00	248.80	H/V	Passed
4.	16.694949MHz	28.53	20.04	69.54	-41.01	1.00	0.10	H/V	Passed
5.	25.517847MHz	31.82	21.20	69.54	-37.72	1.00	295.70	H/V	Passed
6.	30MHz	29.03	22.04	40.00	-10.97	1.00	358.00	H/V	Passed

Overall Graphs:

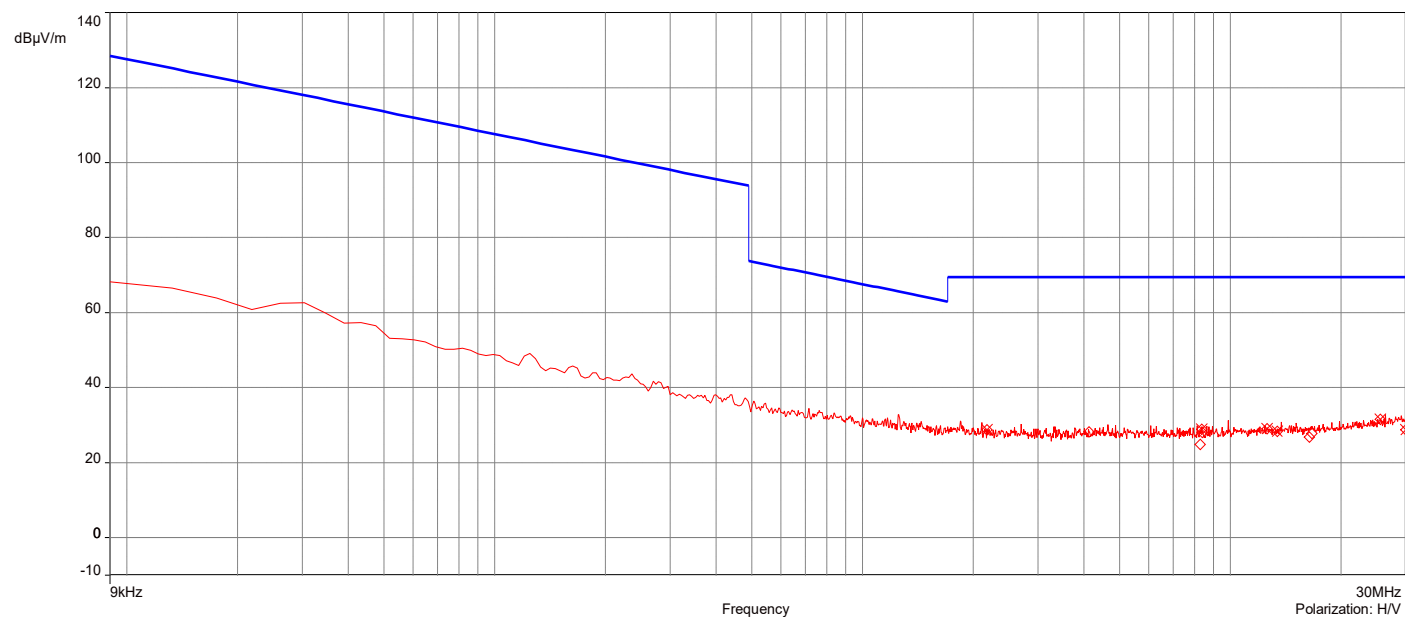


J23220_W300#1_2.4G 802.11b_Ch 6_9kHz-30MHz_Perpendicular

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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	28.71	19.23	69.54	-40.83	1.00	72.80	H/V	Passed
2.	8.364829MHz	28.87	19.34	69.54	-40.67	1.00	195.40	H/V	Passed
3.	12.577024MHz	29.07	19.79	69.54	-40.47	1.00	232.50	H/V	Passed
4.	13.408322MHz	28.29	19.86	69.54	-41.25	1.00	358.90	H/V	Passed
5.	25.616403MHz	31.56	21.21	69.54	-37.98	1.00	1.80	H/V	Passed
6.	30MHz	28.77	22.04	40.00	-11.23	1.00	191.10	H/V	Passed

Overall Graphs:

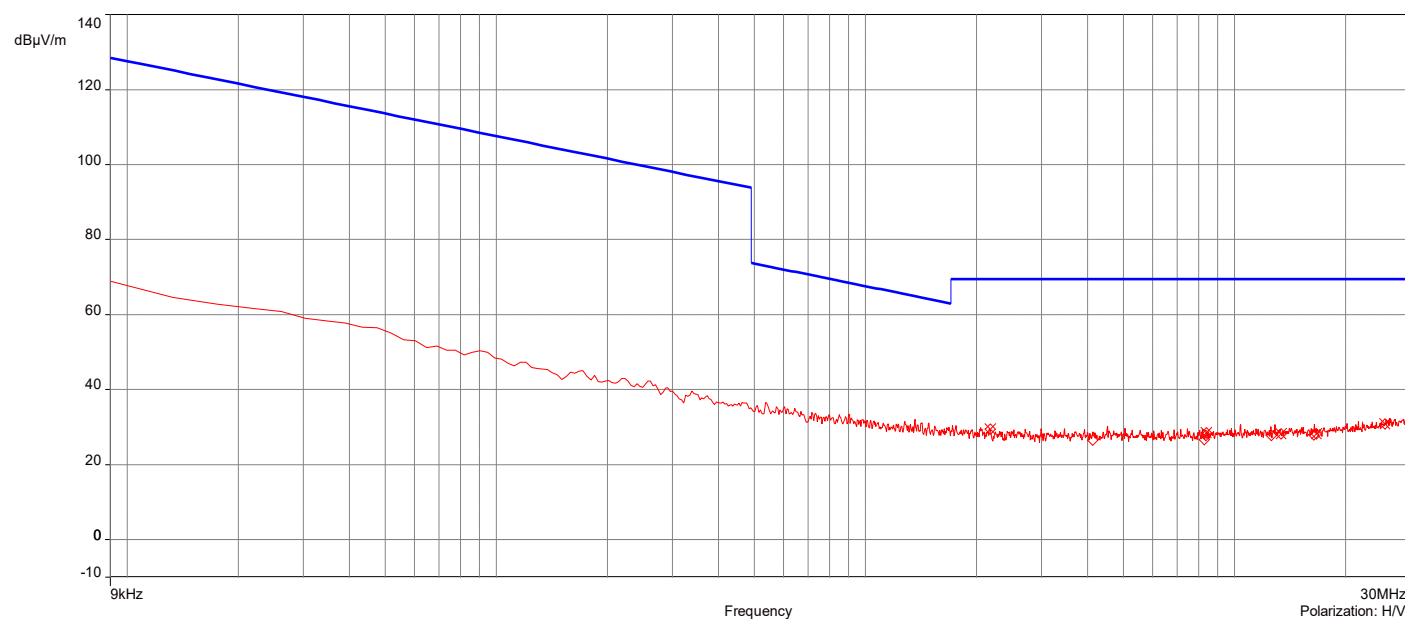


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No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.177231MHz	29.45	19.23	69.54	-40.09	1.00	125.60	H/V	Passed
2.	8.386255MHz	28.44	19.34	69.54	-41.10	1.00	358.90	H/V	Passed
3.	13.369757MHz	28.25	19.86	69.54	-41.29	1.00	161.70	H/V	Passed
4.	16.694949MHz	28.25	20.04	69.54	-41.29	1.00	313.10	H/V	Passed
5.	25.556413MHz	30.81	21.21	69.54	-38.73	1.00	1.00	H/V	Passed
6.	30MHz	29.80	22.04	40.00	-10.20	1.00	228.80	H/V	Passed

Overall Graphs:

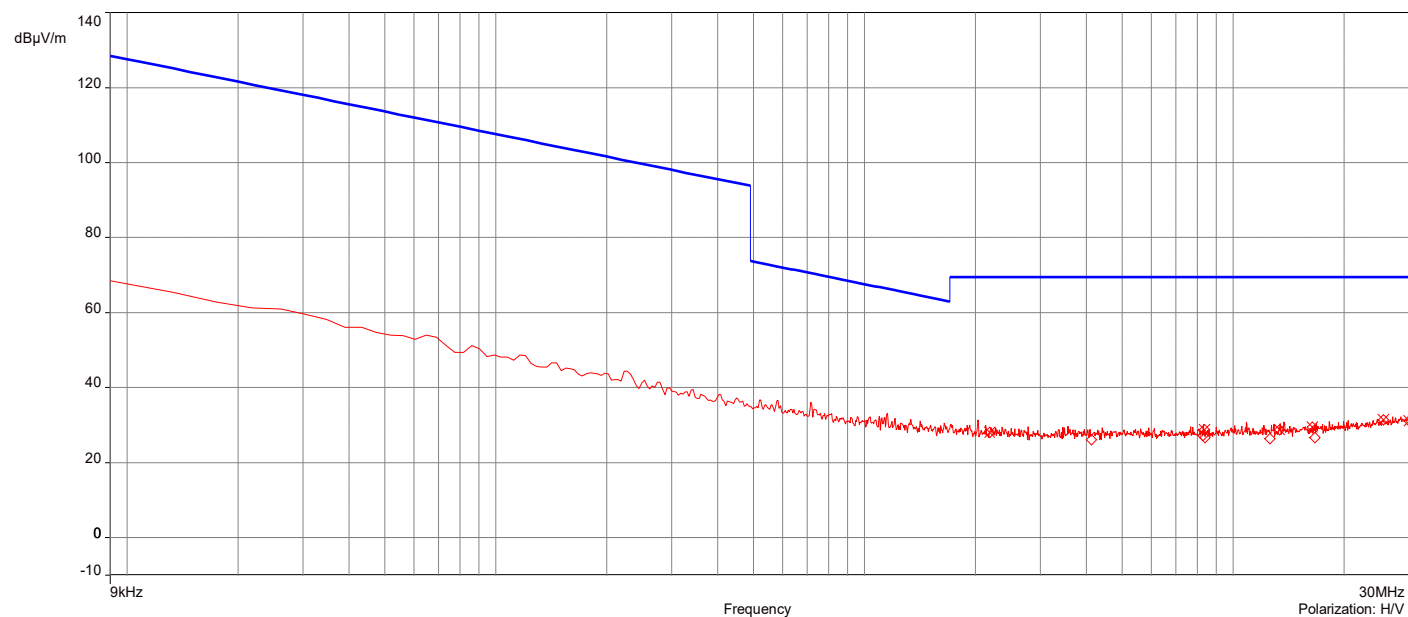


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No	Frequency (MHz)	Level Q-Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.185801MHz	28.12	19.23	69.54	-41.42	1.00	147.20	H/V	Passed
2.	8.364829MHz	28.83	19.34	69.54	-40.71	1.00	17.60	H/V	Passed
3.	13.391182MHz	28.82	19.86	69.54	-40.72	1.00	0.60	H/V	Passed
4.	16.420706MHz	29.46	20.00	69.54	-40.08	1.00	134.10	H/V	Passed
5.	25.616403MHz	31.47	21.21	69.54	-38.07	1.00	294.10	H/V	Passed
6.	30MHz	31.17	22.04	40.00	-8.83	1.00	140.50	H/V	Passed

Overall Graphs:

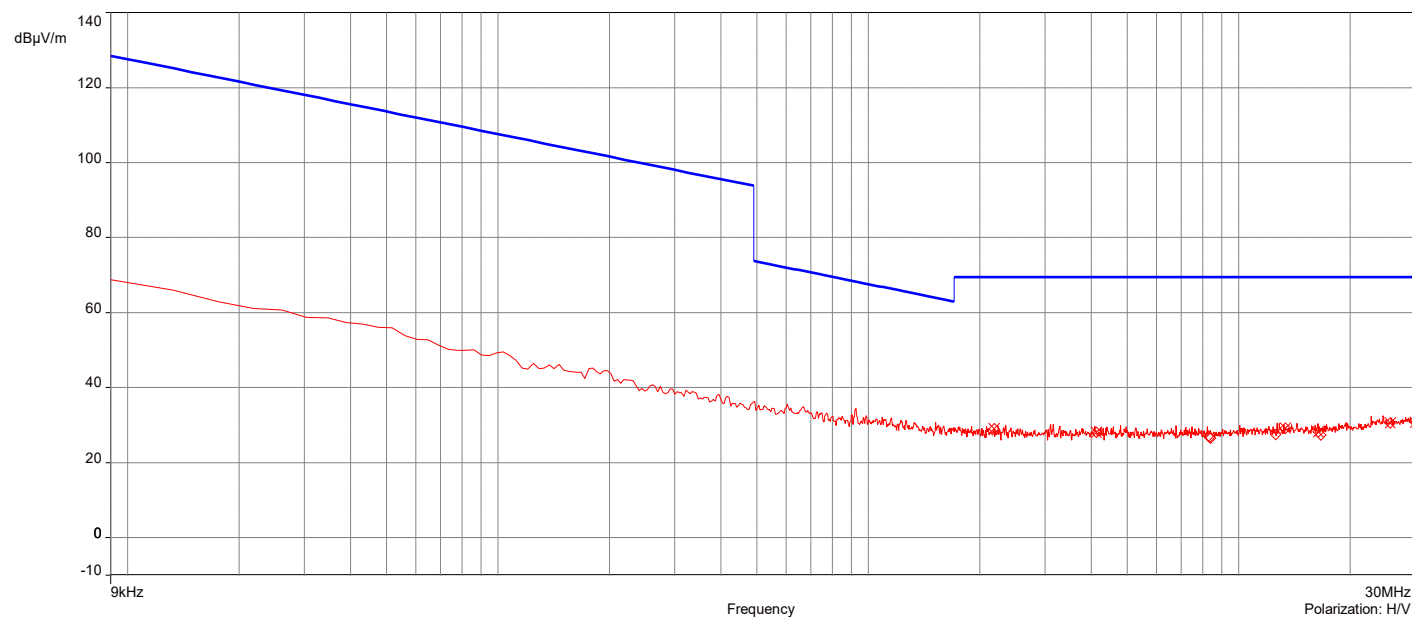


J23220_W300#1_2.4G 802.11n_Ch 6_9kHz-30MHz_Perpendicular

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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	29.01	19.23	69.54	-40.53	1.00	295.40	H/V	Passed
2.	4.126924MHz	28.11	19.43	69.54	-41.43	1.00	101.80	H/V	Passed
3.	13.382612MHz	29.16	19.86	69.54	-40.38	1.00	13.70	H/V	Passed
4.	16.420706MHz	28.14	20.00	69.54	-41.40	1.00	16.00	H/V	Passed
5.	25.646399MHz	30.59	21.21	69.54	-38.95	1.00	138.10	H/V	Passed
6.	30MHz	30.70	22.04	40.00	-9.30	1.00	269.80	H/V	Passed

Overall Graphs:

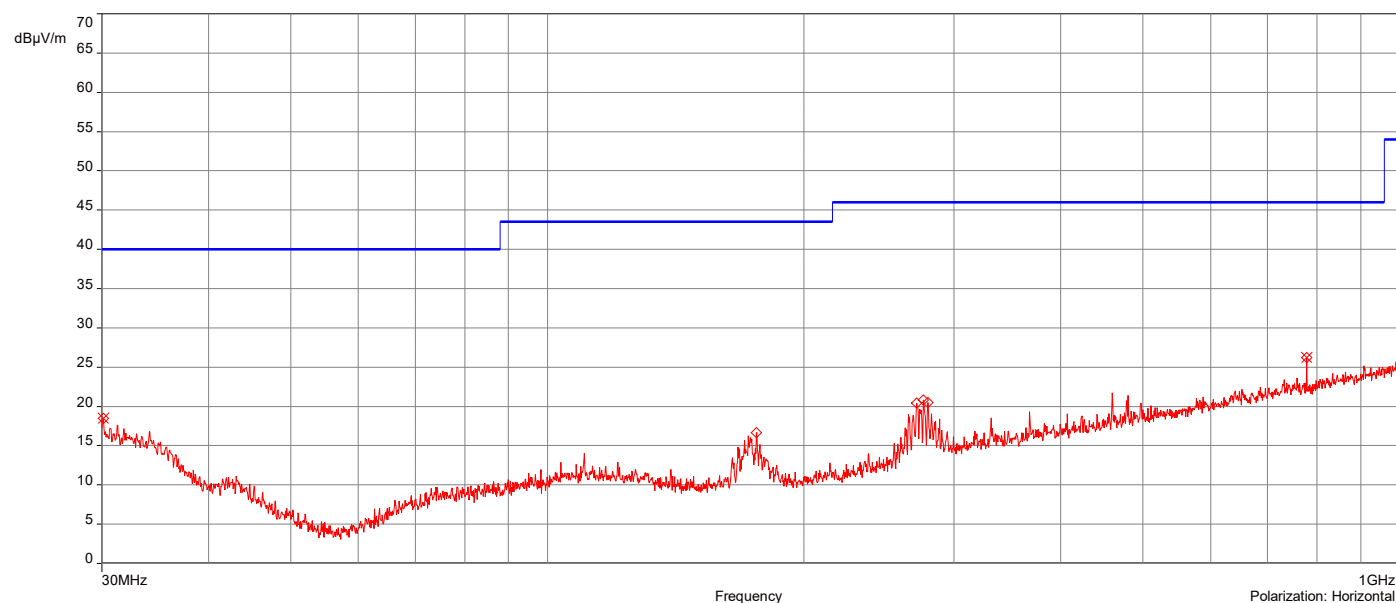


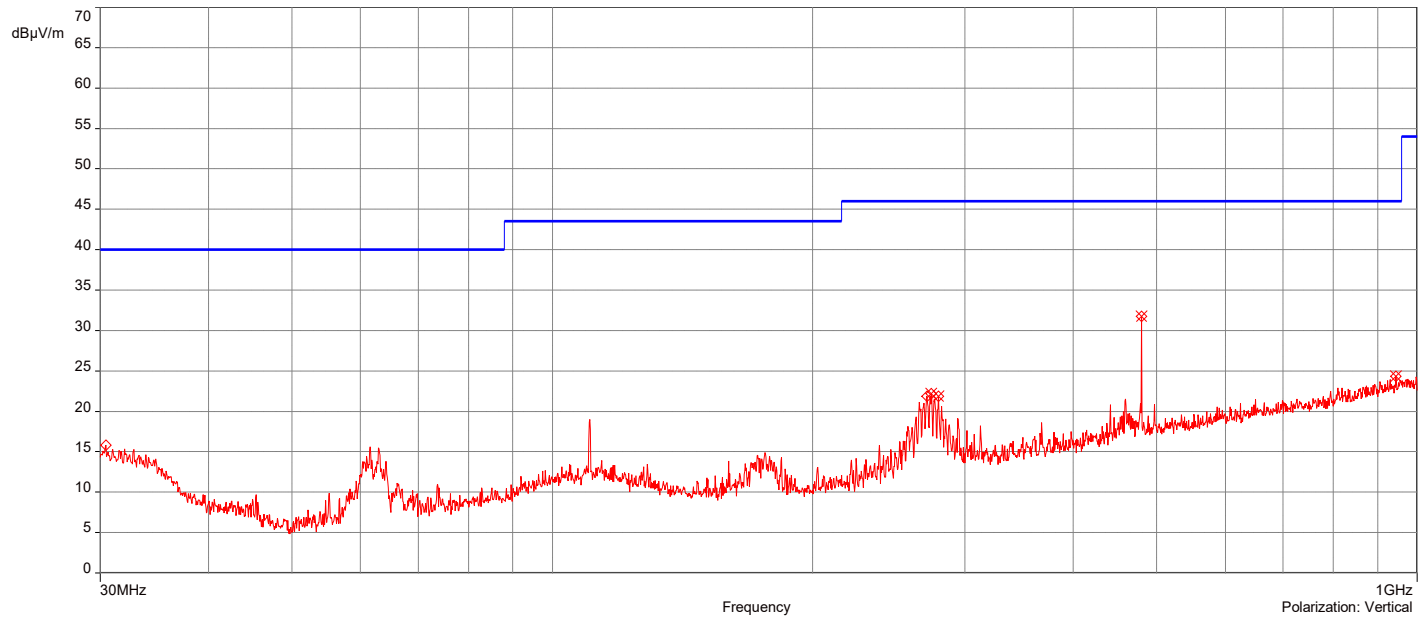
J23220_W300#1_2.4G_802.11b_1Mbps_Ch 6_30MHz-1GHz

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No	Frequency (MHz)	Level Q- Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	274.34026MHz	22.18	-12.87	46.00	-23.82	1.00	20.00	Vertical	Passed
2.	279.47585MHz	21.88	-12.86	46.00	-24.12	1.00	358.90	Vertical	Passed
3.	479.99235MHz	31.78	-7.85	46.00	-14.22	1.00	129.10	Vertical	Passed
4.	944.64968MHz	24.32	-1.23	46.00	-21.68	4.00	200.30	Vertical	Passed
5.	30.114124MHz	18.49	-5.03	40.00	-21.51	2.00	178.00	Horizontal	Passed
6.	777.91399MHz	26.25	-1.67	46.00	-19.75	1.00	75.90	Horizontal	Passed

Overall Graphs:



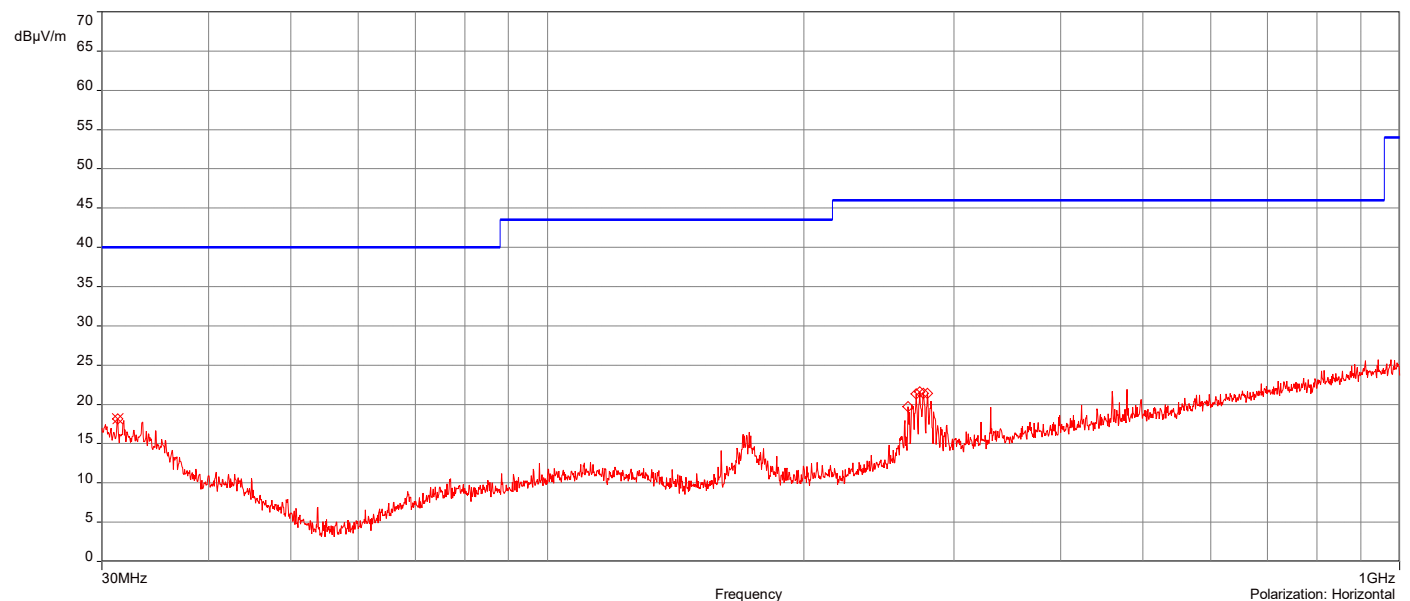


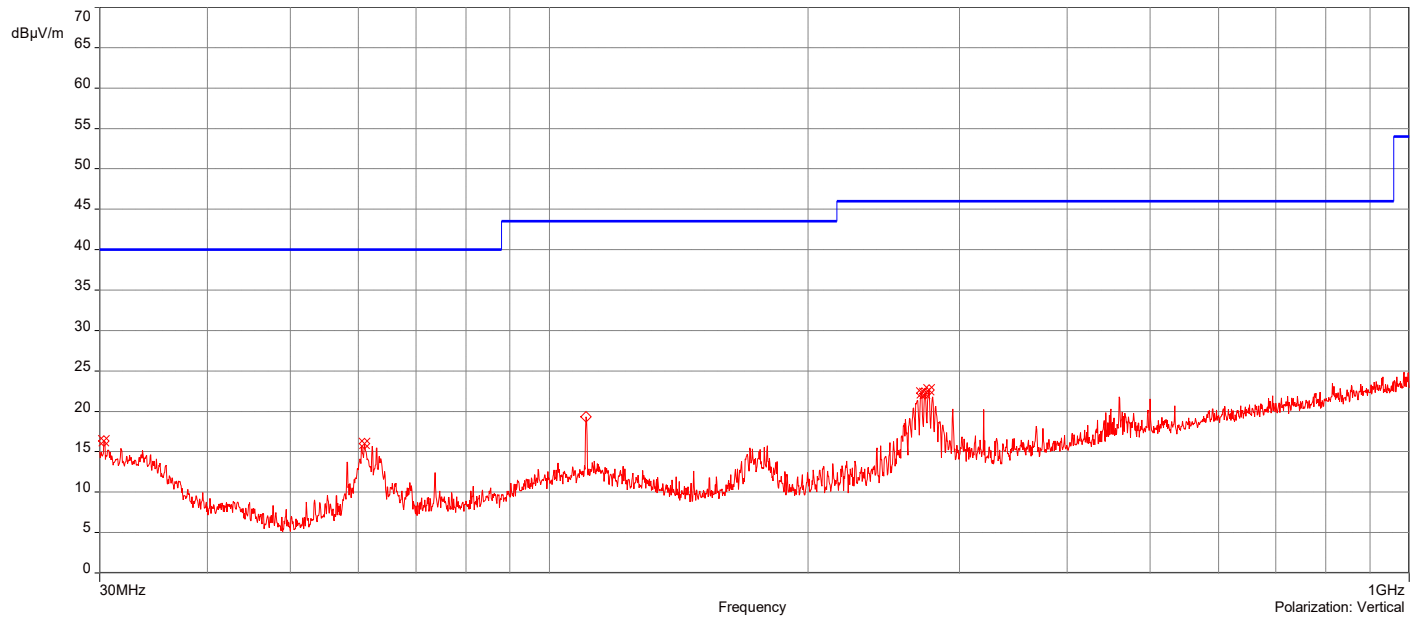
J23220_W300#1_2.4G_802.11n_MCS0_Ch 6_30MHz-1GHz

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No	Frequency (MHz)	Level Q- Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	30.342373MHz	16.35	-6.98	40.00	-23.65	2.50	147.90	Vertical	Passed
2.	60.984764MHz	16.02	-19.01	40.00	-23.98	2.00	28.40	Vertical	Passed
3.	271.03065MHz	22.26	-12.80	46.00	-23.74	1.00	26.00	Vertical	Passed
4.	273.31314MHz	22.18	-12.88	46.00	-23.82	1.00	8.70	Vertical	Passed
5.	276.39449MHz	22.67	-12.88	46.00	-23.33	1.00	1.10	Vertical	Passed
6.	31.31243MHz	18.14	-5.78	40.00	-21.86	3.00	12.00	Horizontal	Passed

Overall Graphs:





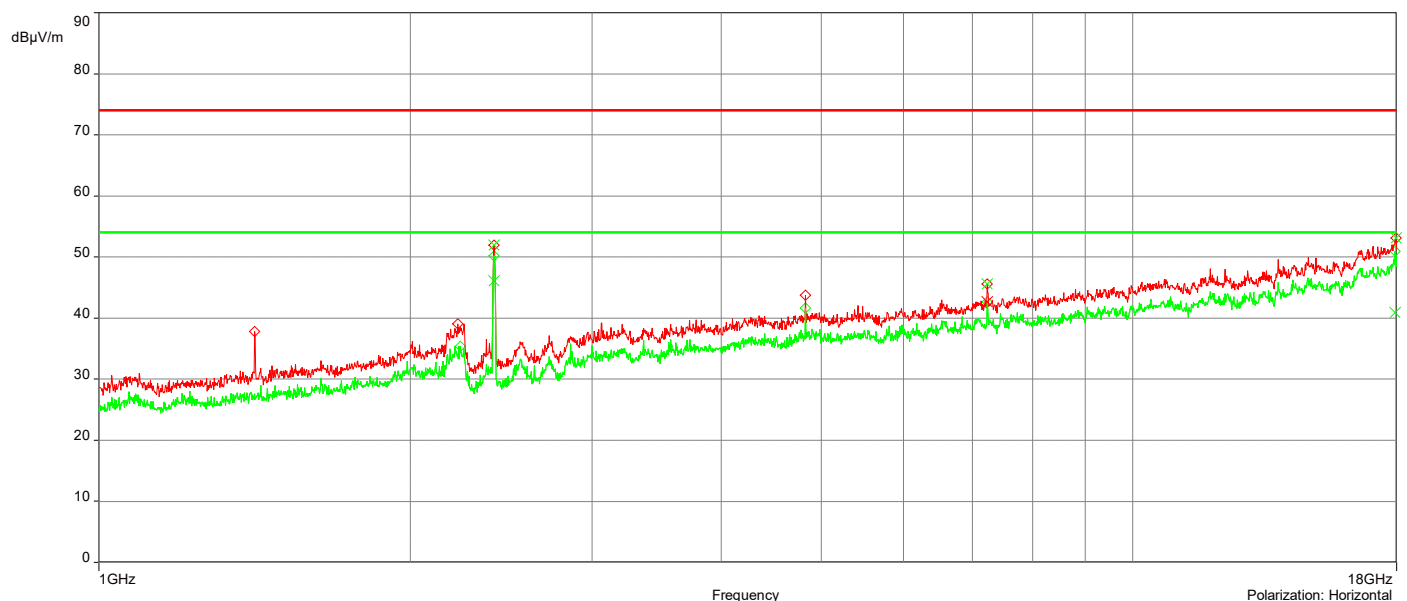
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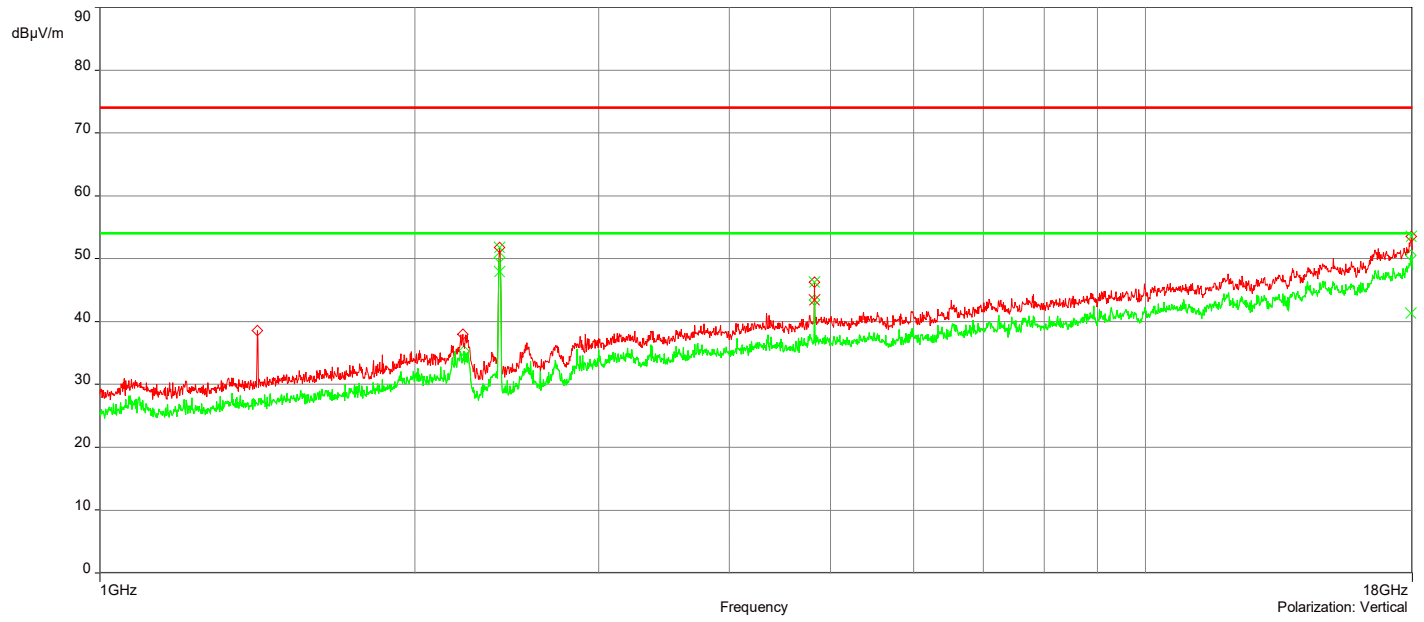
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.4105415GHz	51.78	-1.66	74.00	-22.22	1.00	288.00	Vertical	Passed
2.	4.8241125GHz	46.28	4.68	74.00	-27.72	1.00	323.00	Vertical	Passed
3.	17.965499GHz	53.57	19.39	74.00	-20.43	1.00	359.90	Vertical	Passed
4.	2.4110415GHz	51.91	-1.63	74.00	-22.09	1.50	238.10	Horizontal	Passed
5.	7.2346834GHz	45.58	7.95	74.00	-28.42	4.00	284.90	Horizontal	Passed
6.	17.9855GHz	53.16	19.65	74.00	-20.84	3.00	258.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.4110415GHz	47.94	-1.66	54.00	-6.06	1.00	262.10	Vertical	Passed
2.	4.8241125GHz	43.42	4.68	54.00	-10.58	1.00	323.00	Vertical	Passed
3.	17.940998GHz	41.31	19.09	54.00	-12.69	3.50	359.90	Vertical	Passed
4.	2.4110415GHz	46.11	-1.63	54.00	-7.89	1.50	238.10	Horizontal	Passed
5.	7.2341834GHz	42.69	7.95	54.00	-11.31	4.00	284.90	Horizontal	Passed
6.	17.936498GHz	40.87	18.94	54.00	-13.13	3.00	353.90	Horizontal	Passed

Overall Graphs:





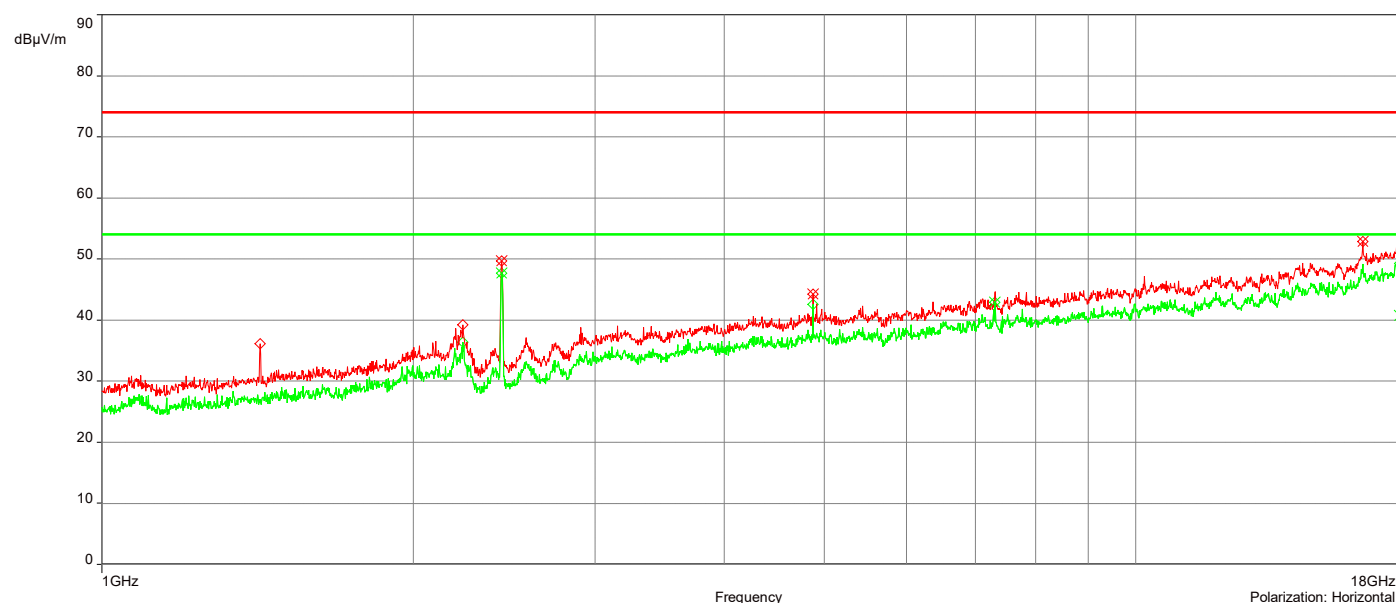
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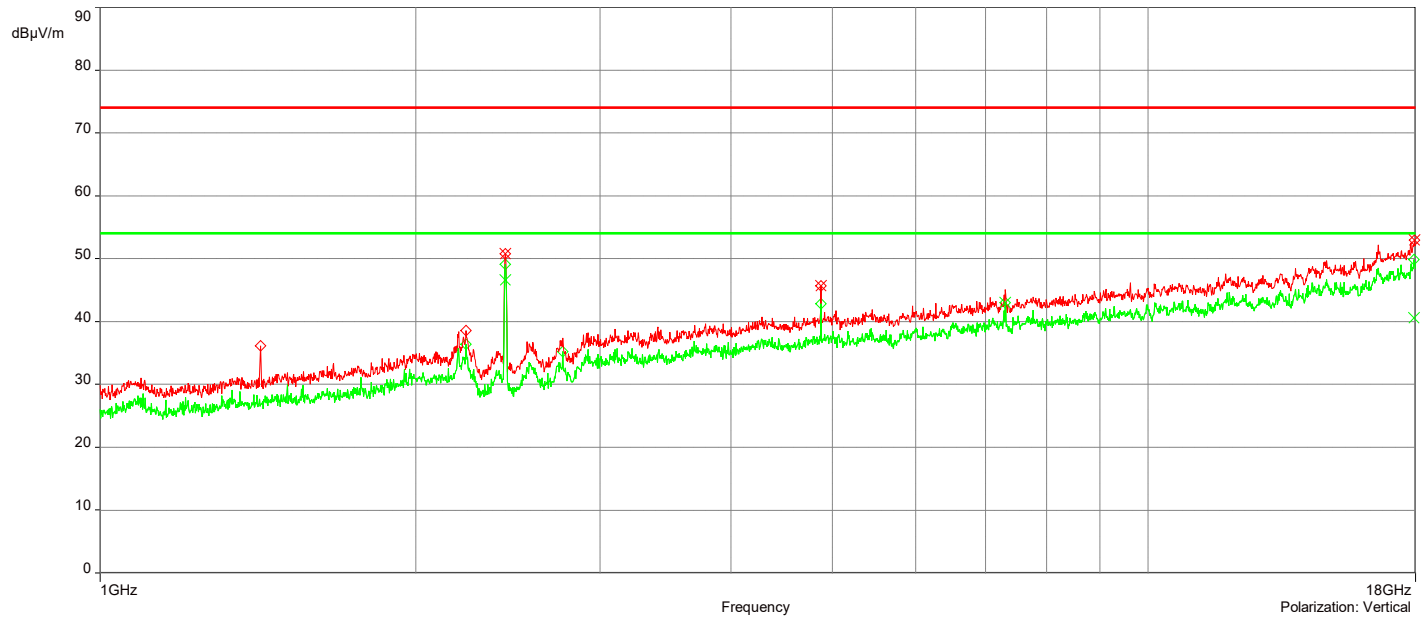
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.4370423GHz	50.81	-1.59	74.00	-23.19	1.00	274.70	Vertical	Passed
2.	4.8736139GHz	45.72	4.96	74.00	-28.28	1.00	256.60	Vertical	Passed
3.	17.963499GHz	52.95	18.91	74.00	-21.05	3.00	221.80	Vertical	Passed
4.	2.4360422GHz	49.68	-1.35	74.00	-24.32	1.00	43.10	Horizontal	Passed
5.	4.8741139GHz	44.30	4.91	74.00	-29.70	1.50	330.30	Horizontal	Passed
6.	16.578958GHz	52.84	16.20	74.00	-21.16	4.00	48.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.4350422GHz	46.63	-1.61	54.00	-7.37	1.00	256.90	Vertical	Passed
2.	7.3101856GHz	42.96	8.03	54.00	-11.04	2.50	0.10	Vertical	Passed
3.	17.938998GHz	40.55	18.61	54.00	-13.45	2.67	359.90	Vertical	Passed
4.	2.4355422GHz	47.70	-1.35	54.00	-6.30	1.50	285.50	Horizontal	Passed
5.	7.3101856GHz	42.93	7.99	54.00	-11.07	2.50	301.60	Horizontal	Passed
6.	17.9995GHz	40.71	19.59	54.00	-13.29	3.00	29.10	Horizontal	Passed

Overall Graphs:





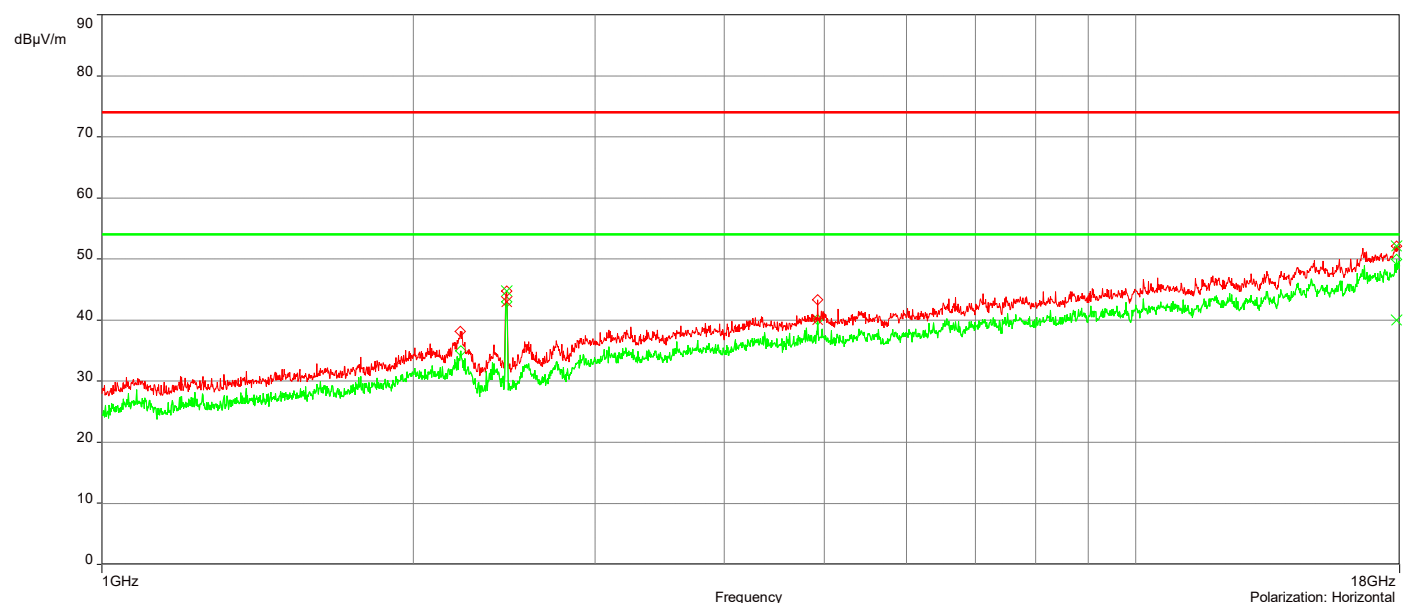
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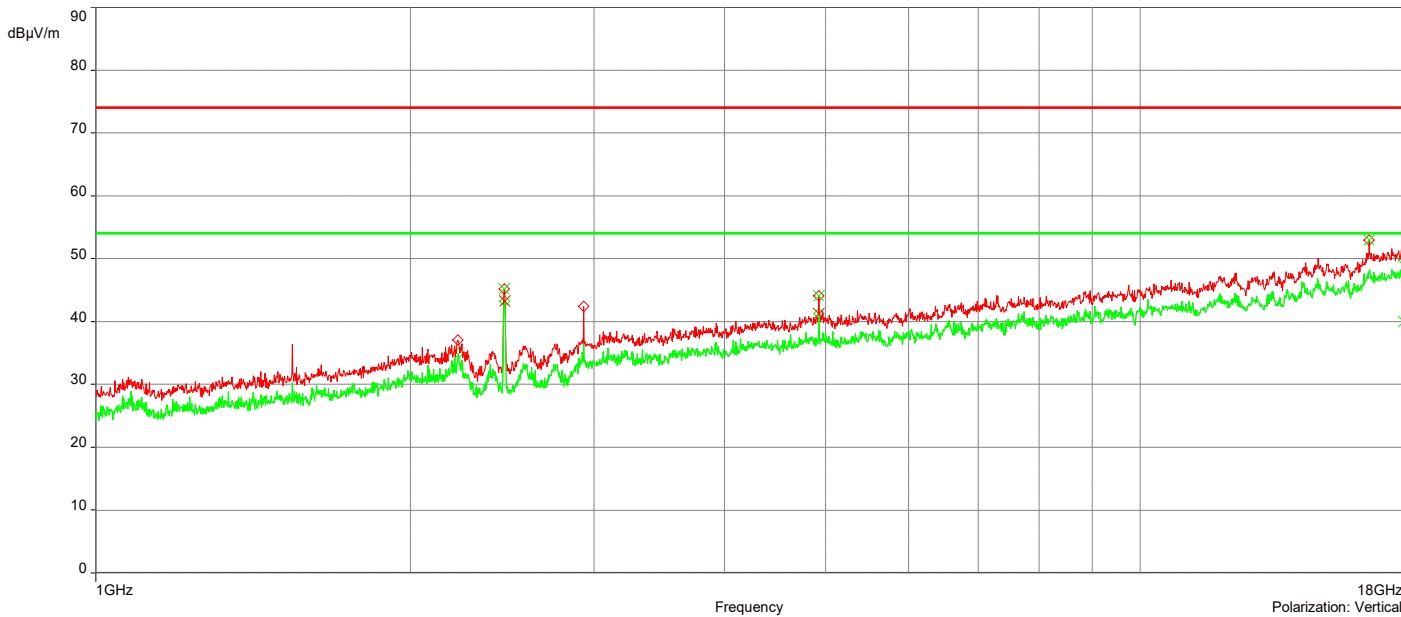
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.461043GHz	45.15	-1.39	74.00	-28.85	1.00	284.20	Vertical	Passed
2.	4.9241154GHz	44.11	4.98	74.00	-29.89	1.00	266.40	Vertical	Passed
3.	16.571958GHz	52.93	16.19	74.00	-21.07	3.00	258.80	Vertical	Passed
4.	17.9945GHz	53.31	19.49	74.00	-20.69	4.00	347.80	Vertical	Passed
5.	2.463043GHz	44.78	-1.28	74.00	-29.22	1.50	232.20	Horizontal	Passed
6.	17.887997GHz	52.14	18.00	74.00	-21.86	1.00	354.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.463543GHz	43.22	-1.38	54.00	-10.78	1.00	275.30	Vertical	Passed
2.	4.9236154GHz	41.24	4.99	54.00	-12.76	1.00	266.40	Vertical	Passed
3.	17.877496GHz	40.02	18.01	54.00	-13.98	2.50	329.10	Vertical	Passed
4.	2.463043GHz	43.04	-1.28	54.00	-10.96	1.50	232.20	Horizontal	Passed
5.	4.9241154GHz	40.05	4.98	54.00	-13.95	1.00	257.00	Horizontal	Passed
6.	17.887997GHz	39.97	18.00	54.00	-14.03	1.00	354.10	Horizontal	Passed

Overall Graphs:





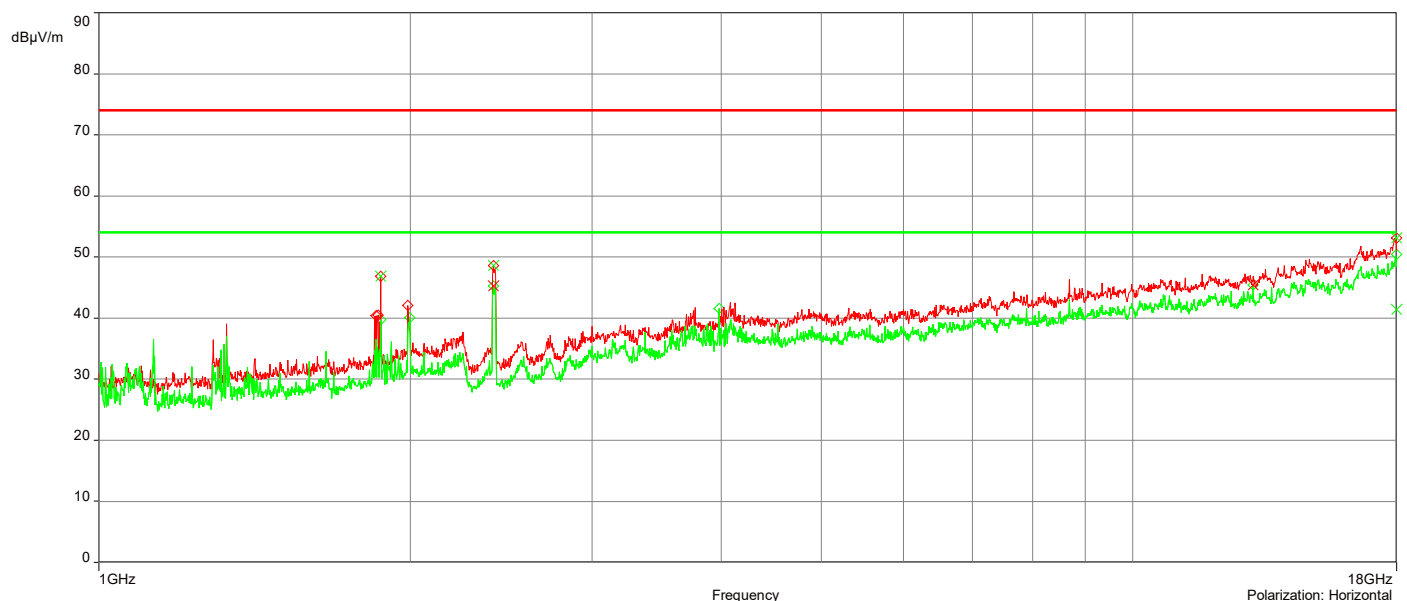
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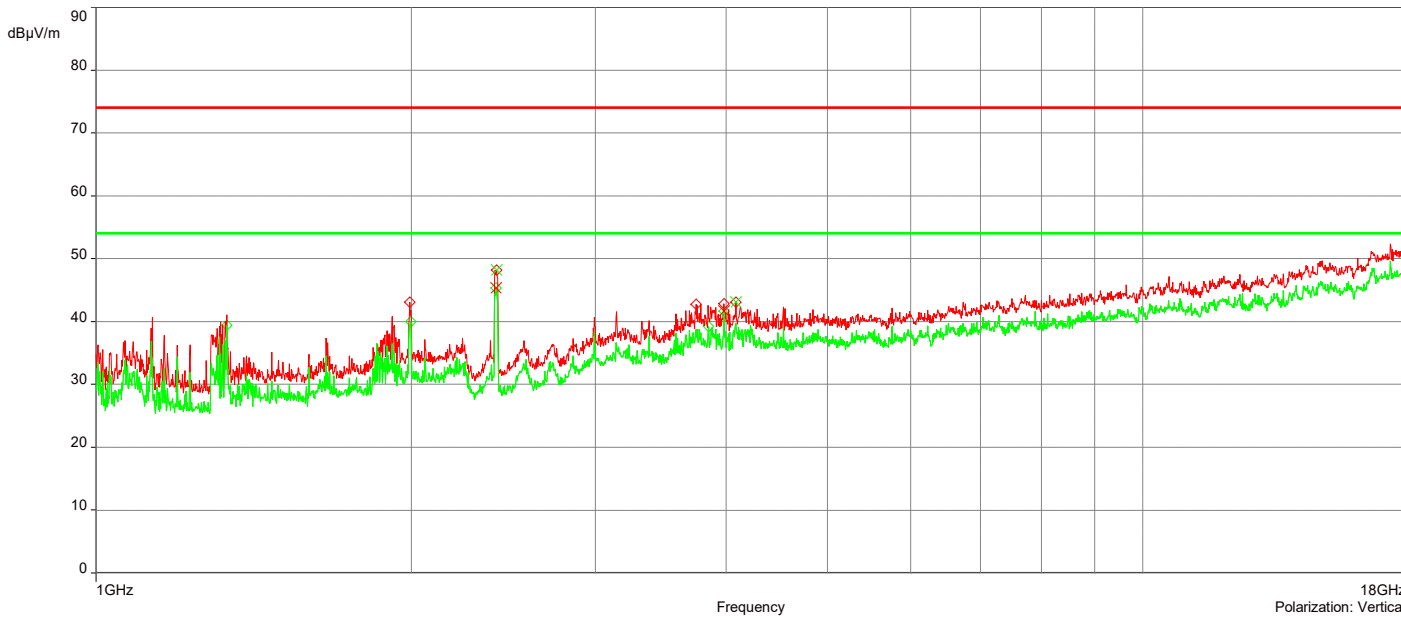
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.4140416GHz	48.21	-1.67	74.00	-25.79	1.00	267.30	Vertical	Passed
2.	4.0875908GHz	43.09	3.02	74.00	-30.91	2.00	312.50	Vertical	Passed
3.	17.958999GHz	53.82	19.31	74.00	-20.18	3.00	358.60	Vertical	Passed
4.	1.8735257GHz	46.87	-3.79	74.00	-27.13	2.00	318.00	Horizontal	Passed
5.	2.4075414GHz	48.62	-1.66	74.00	-25.38	1.00	52.40	Horizontal	Passed
6.	17.9925GHz	53.14	19.85	74.00	-20.86	1.00	70.20	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.4105415GHz	45.36	-1.66	54.00	-8.64	1.00	267.30	Vertical	Passed
2.	3.9815877GHz	41.68	2.81	54.00	-12.32	2.00	240.20	Vertical	Passed
3.	17.960499GHz	41.13	19.33	54.00	-12.87	3.50	0.10	Vertical	Passed
4.	2.4090414GHz	45.23	-1.65	54.00	-8.77	1.00	52.40	Horizontal	Passed
5.	13.071855GHz	45.45	12.45	54.00	-8.55	4.00	1.90	Horizontal	Passed
6.	17.999GHz	41.38	20.03	54.00	-12.62	4.00	326.10	Horizontal	Passed

Overall Graphs:





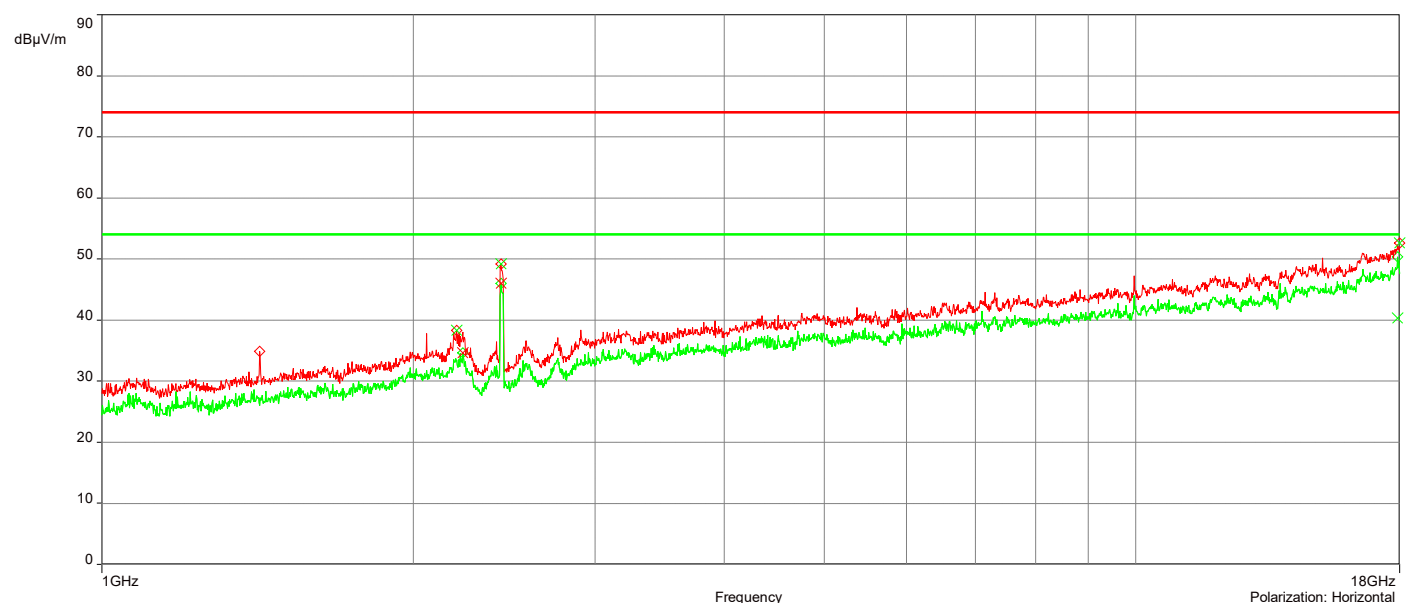
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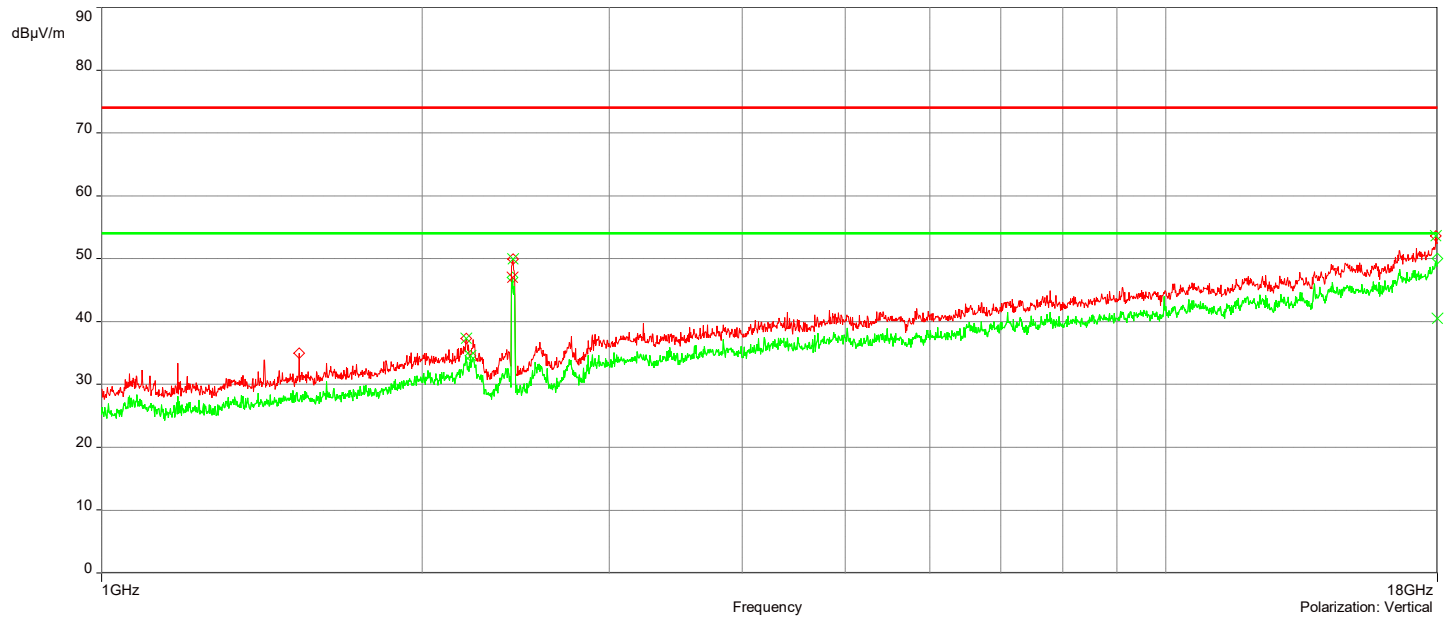
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.2005353GHz	37.32	-2.50	74.00	-36.68	3.50	101.70	Vertical	Passed
2.	2.4360422GHz	49.96	-1.60	74.00	-24.04	1.00	275.10	Vertical	Passed
3.	17.943498GHz	53.60	18.67	74.00	-20.40	3.00	0.10	Vertical	Passed
4.	2.2045354GHz	38.35	-2.62	74.00	-35.65	1.00	132.10	Horizontal	Passed
5.	2.4325421GHz	49.22	-1.37	74.00	-24.78	1.50	231.70	Horizontal	Passed
6.	17.999GHz	52.60	19.57	74.00	-21.40	1.50	267.60	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.2210359GHz	34.54	-2.41	54.00	-19.46	1.50	0	Vertical	Passed
2.	2.4340422GHz	46.98	-1.62	54.00	-7.02	1.00	275.10	Vertical	Passed
3.	17.9995GHz	40.50	19.63	54.00	-13.50	3.00	0.10	Vertical	Passed
4.	2.2340363GHz	34.65	-2.38	54.00	-19.35	1.00	41.30	Horizontal	Passed
5.	2.4320421GHz	46.01	-1.37	54.00	-7.99	1.00	149.90	Horizontal	Passed
6.	17.923498GHz	40.29	18.33	54.00	-13.71	1.00	70.10	Horizontal	Passed

Overall Graphs:





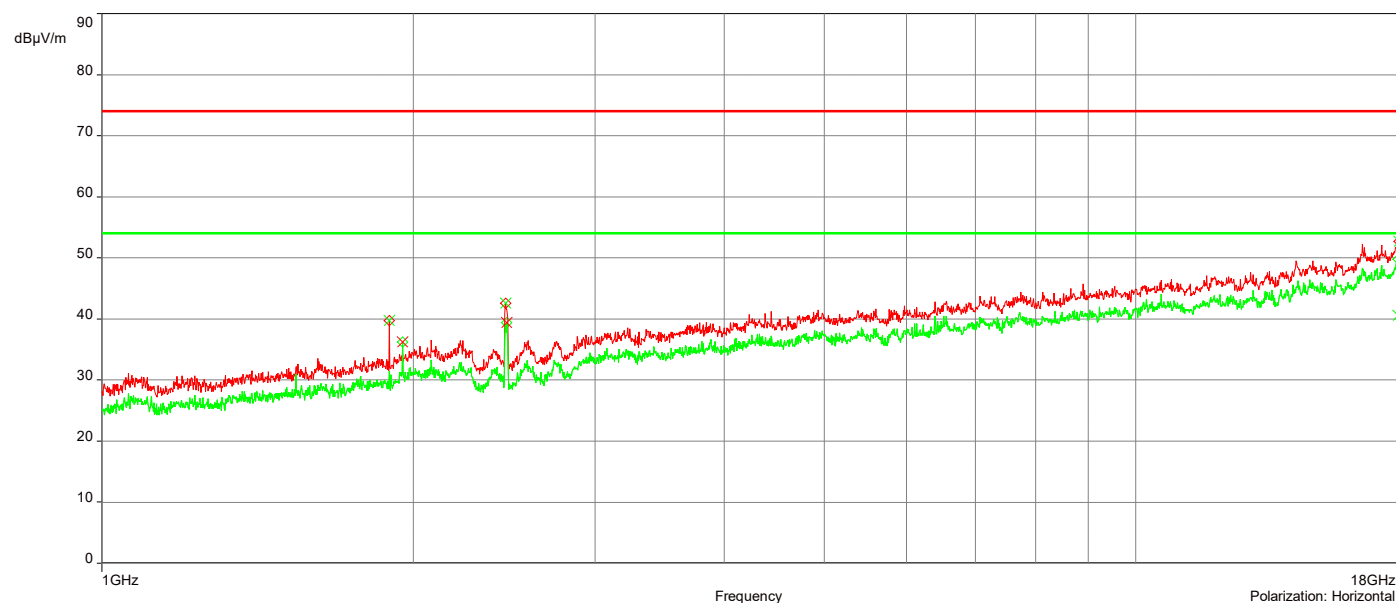
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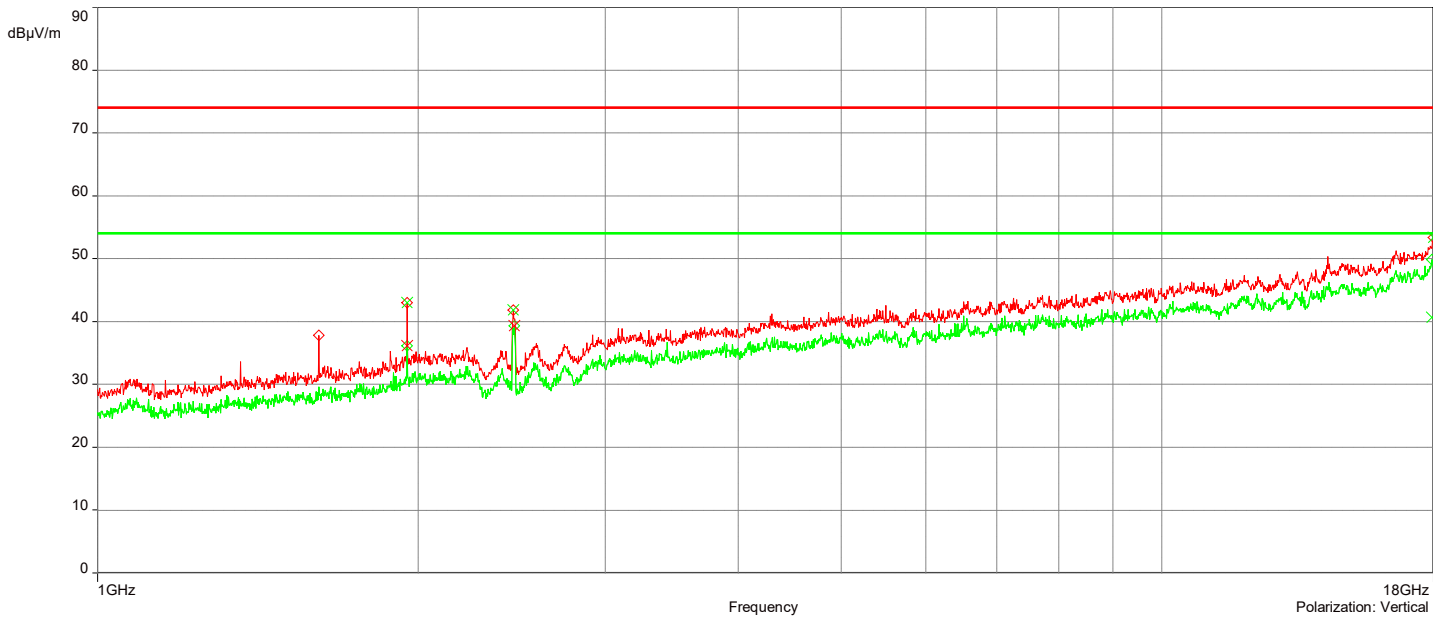
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	1.953528GHz	43.02	-2.91	74.00	-30.98	3.00	356.50	Vertical	Passed
2.	2.4580429GHz	41.84	-1.41	74.00	-32.16	1.00	279.50	Vertical	Passed
3.	18GHz	53.34	19.65	74.00	-20.66	3.50	0.20	Vertical	Passed
4.	1.8965264GHz	39.73	-3.77	74.00	-34.27	3.50	337.20	Horizontal	Passed
5.	2.4570429GHz	42.62	-1.30	74.00	-31.38	1.50	305.70	Horizontal	Passed
6.	17.99GHz	52.72	19.31	74.00	-21.28	4.00	321.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	1.953528GHz	36.17	-2.91	54.00	-17.83	3.00	356.50	Vertical	Passed
2.	2.462543GHz	39.30	-1.39	54.00	-14.70	2.50	359.90	Vertical	Passed
3.	17.936498GHz	40.66	18.58	54.00	-13.34	3.50	359.90	Vertical	Passed
4.	1.953528GHz	36.23	-2.85	54.00	-17.77	3.00	359.90	Horizontal	Passed
5.	2.462543GHz	39.40	-1.28	54.00	-14.60	2.50	252.30	Horizontal	Passed
6.	17.936498GHz	40.61	18.49	54.00	-13.39	3.50	29.10	Horizontal	Passed

Overall Graphs:





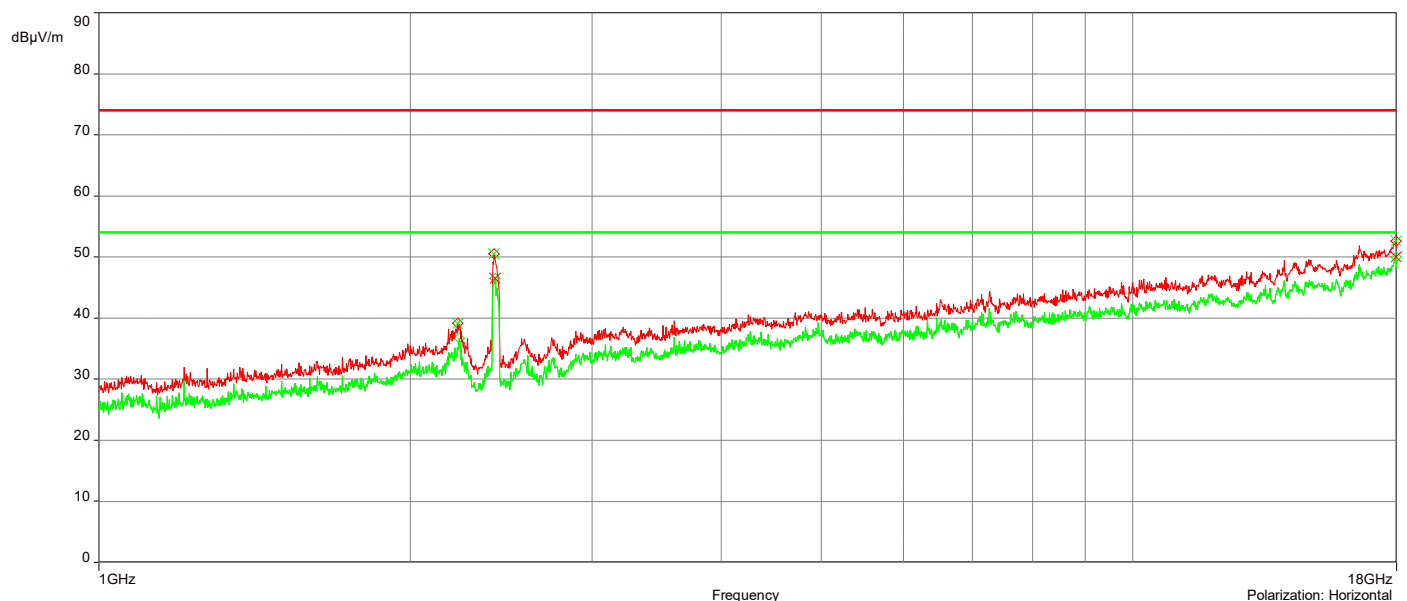
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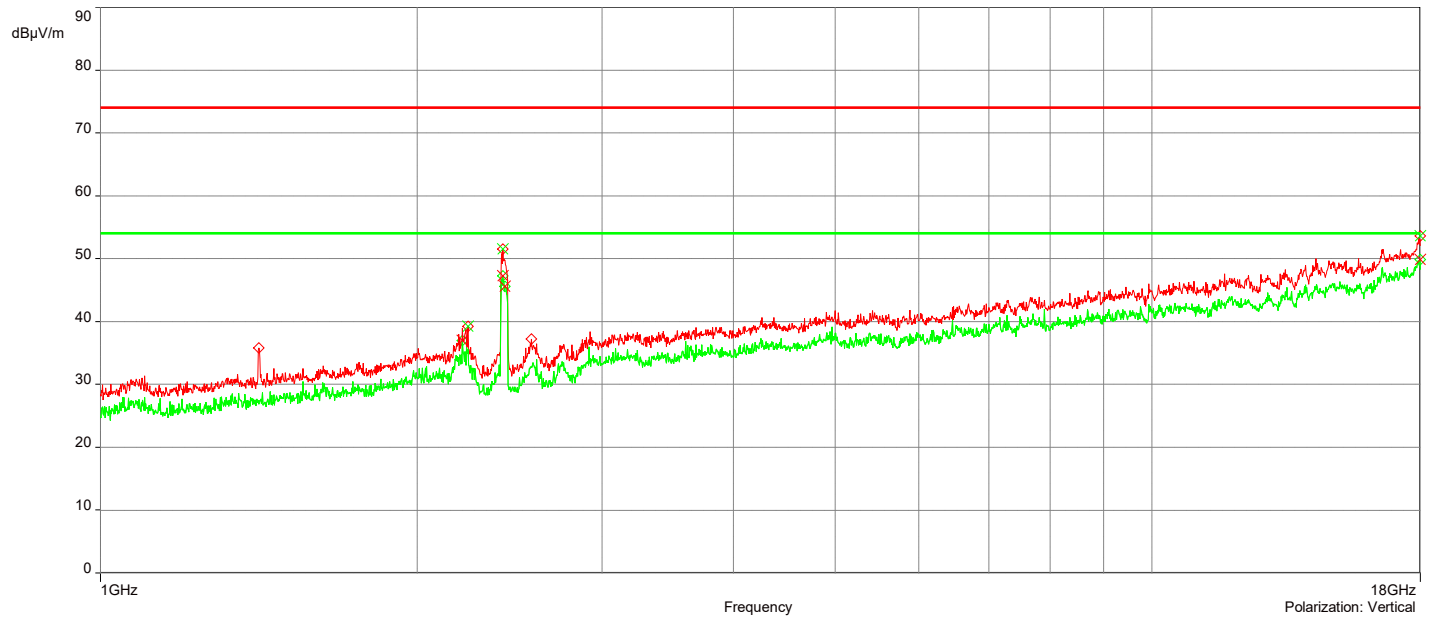
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.2375364GHz	39.25	-2.43	74.00	-34.75	1.00	295.60	Vertical	Passed
2.	2.4150416GHz	51.52	-1.68	74.00	-22.48	1.00	277.80	Vertical	Passed
3.	17.9955GHz	53.61	19.98	74.00	-20.39	2.50	0.10	Vertical	Passed
4.	2.223536GHz	39.14	-2.45	74.00	-34.86	1.00	131.30	Horizontal	Passed
5.	2.4120415GHz	50.56	-1.62	74.00	-23.44	1.50	244.50	Horizontal	Passed
6.	17.988GHz	52.59	19.72	74.00	-21.41	2.00	105.80	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.2080355GHz	36.97	-2.48	54.00	-17.03	1.00	295.60	Vertical	Passed
2.	2.4130416GHz	47.30	-1.67	54.00	-6.70	1.00	286.70	Vertical	Passed
3.	2.4260419GHz	45.63	-1.70	54.00	-8.37	1.00	277.80	Vertical	Passed
4.	17.997GHz	49.87	20.03	54.00	-4.13	4.00	1.50	Vertical	Passed
5.	2.4165417GHz	46.50	-1.57	54.00	-7.50	1.50	145.80	Horizontal	Passed
6.	17.973999GHz	50.04	19.42	54.00	-3.96	2.00	51.50	Horizontal	Passed

Overall Graphs:





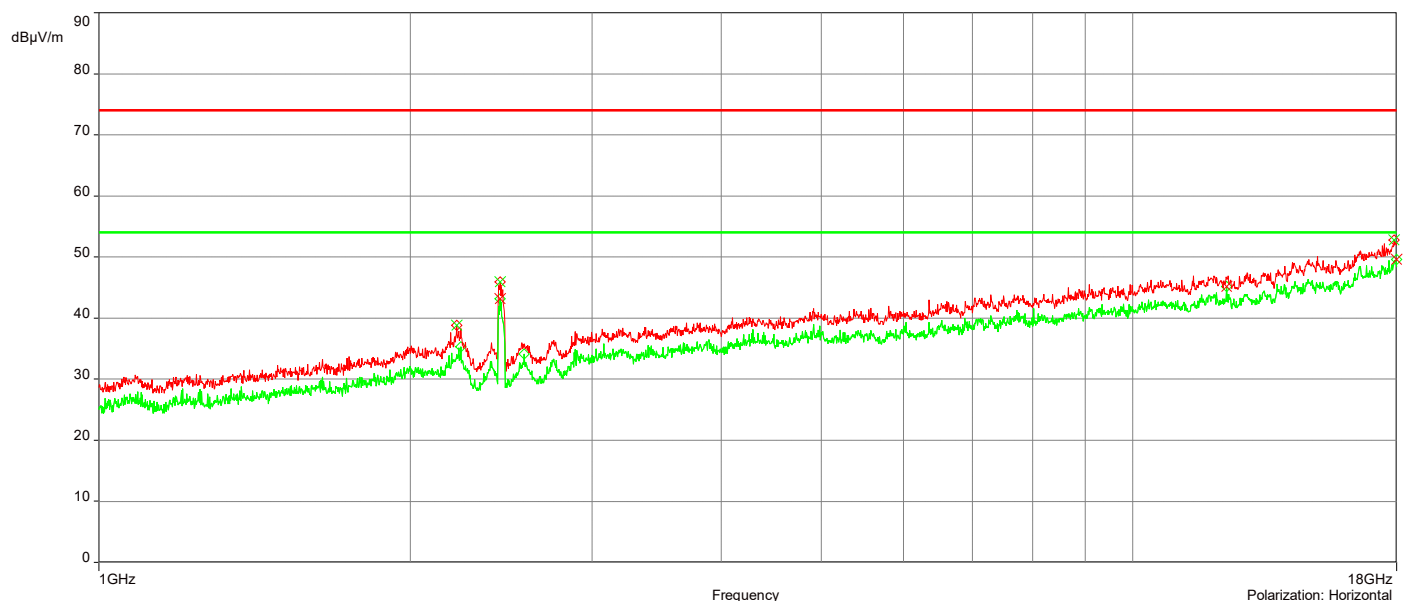
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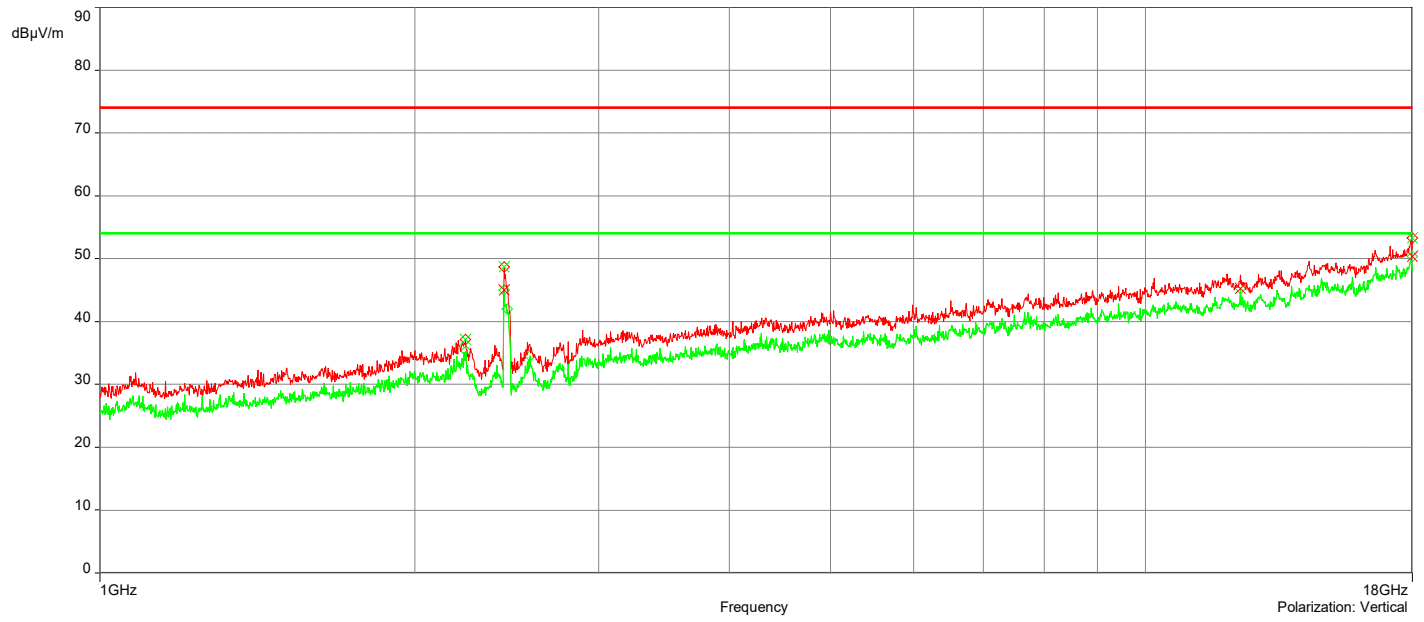
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.2360364GHz	37.16	-2.43	74.00	-36.84	1.00	277.50	Vertical	Passed
2.	2.4365423GHz	48.67	-1.63	74.00	-25.33	1.00	277.50	Vertical	Passed
3.	17.992GHz	53.29	19.89	74.00	-20.71	2.00	56.20	Vertical	Passed
4.	2.2185358GHz	38.85	-2.48	74.00	-35.15	1.00	281.80	Horizontal	Passed
5.	2.4445425GHz	45.90	-1.36	74.00	-28.10	2.00	229.80	Horizontal	Passed
6.	17.896997GHz	52.76	18.51	74.00	-21.24	2.50	280.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.4370423GHz	45.04	-1.62	54.00	-8.96	1.00	277.50	Vertical	Passed
2.	12.323833GHz	45.25	12.59	54.00	-8.75	4.00	335.00	Vertical	Passed
3.	17.996GHz	50.39	20.00	54.00	-3.61	1.50	95.90	Vertical	Passed
4.	2.4445425GHz	43.19	-1.36	54.00	-10.81	2.00	229.80	Horizontal	Passed
5.	12.323833GHz	45.19	12.53	54.00	-8.81	4.00	359.90	Horizontal	Passed
6.	17.9995GHz	49.58	20.05	54.00	-4.42	3.00	294.30	Horizontal	Passed

Overall Graphs:





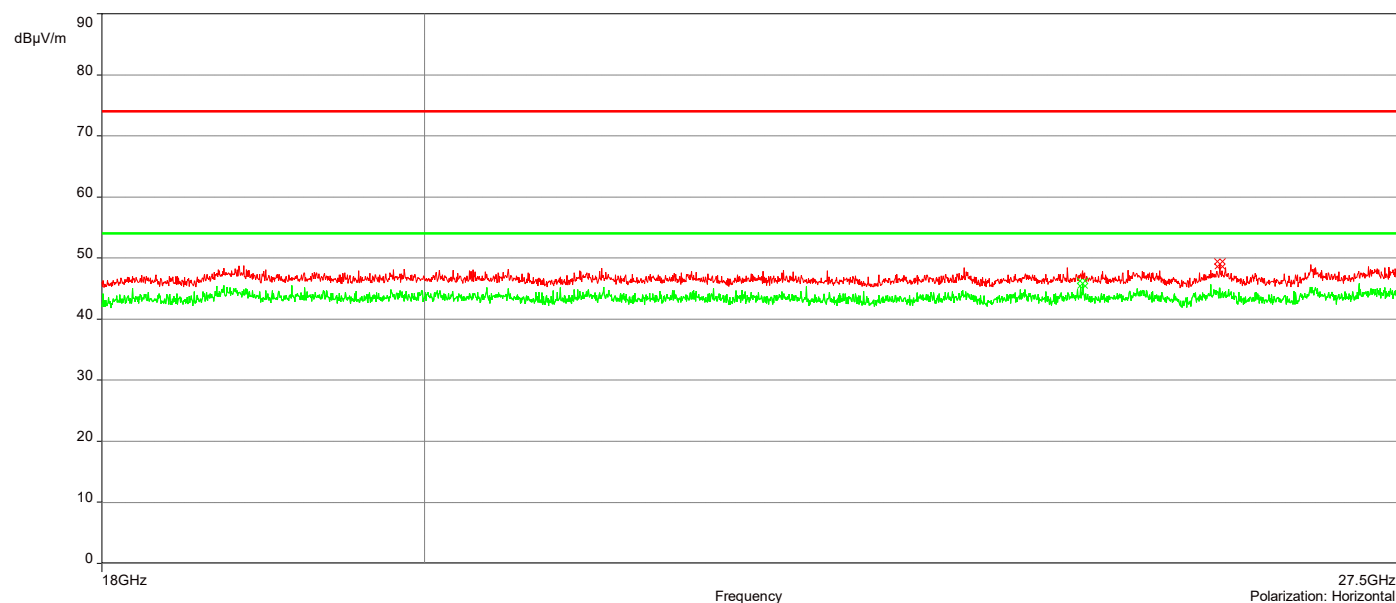
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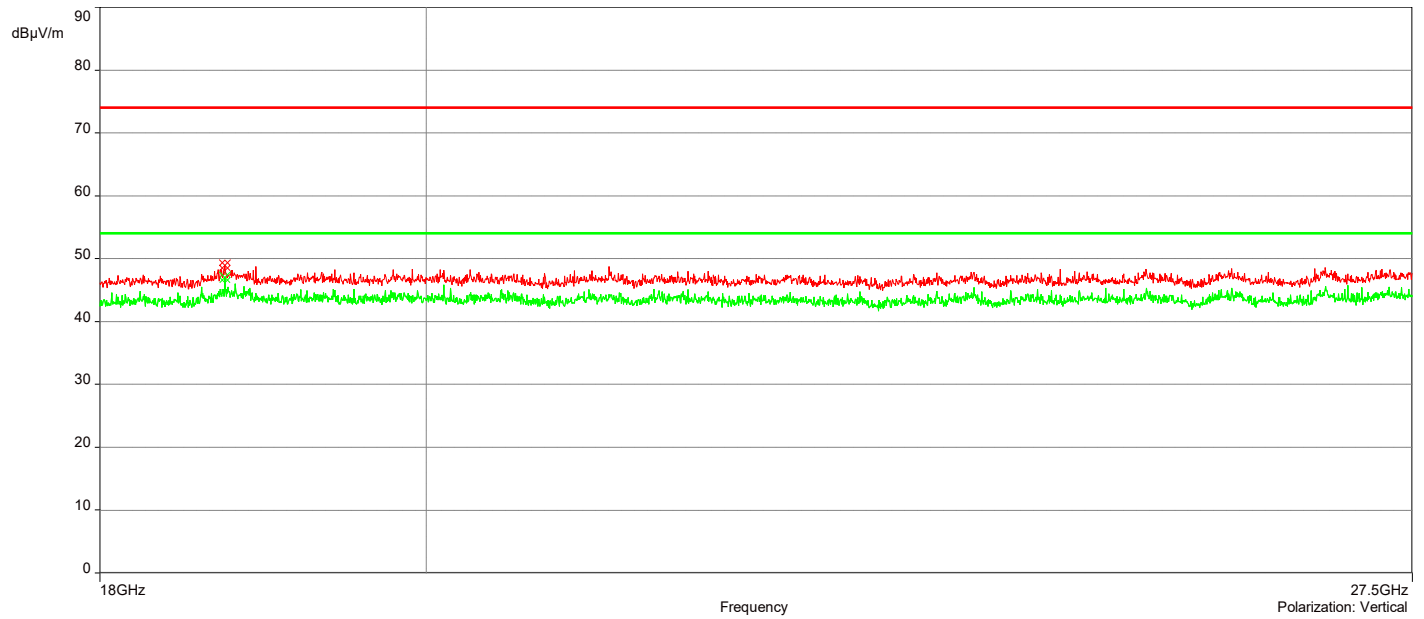
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	18.742462GHz	48.95	-0.94	74.00	-25.05	1.95	314.90	Vertical	Passed
2.	25.933847GHz	49.04	0.81	74.00	-24.96	2.19	134.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	18.742462GHz	47.01	-0.94	54.00	-6.99	1.95	314.90	Vertical	Passed
2.	24.79569GHz	45.88	0.87	54.00	-8.12	1.78	269.90	Horizontal	Passed

Overall Graphs:





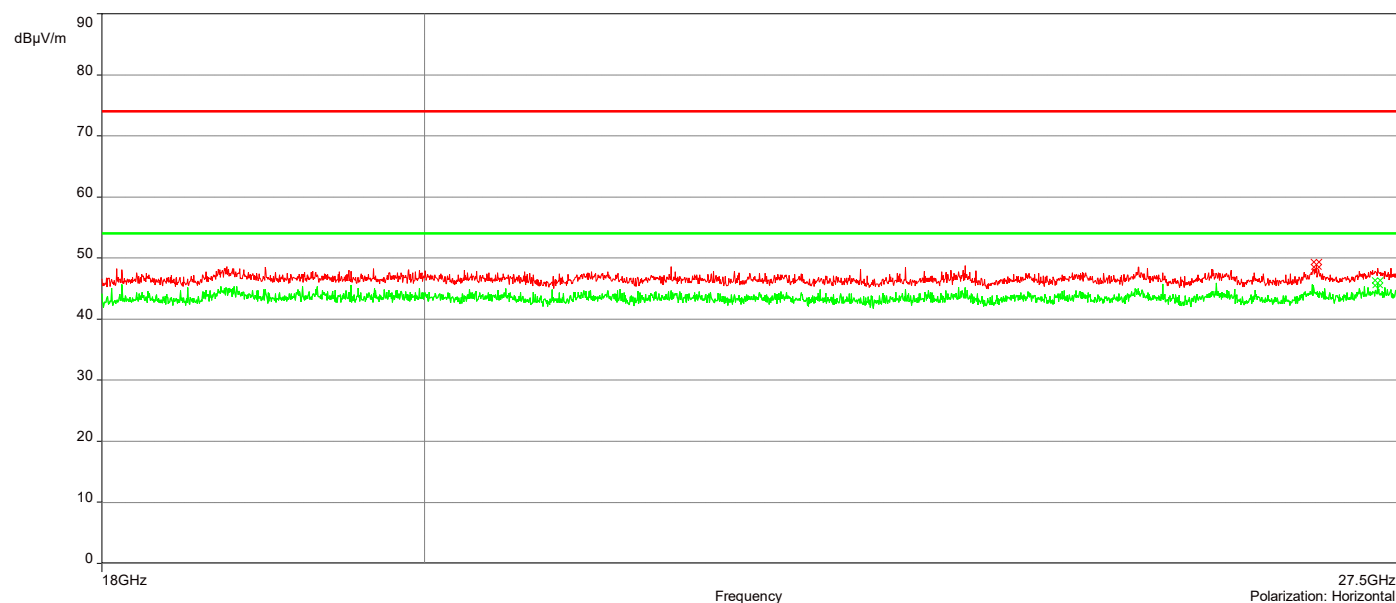
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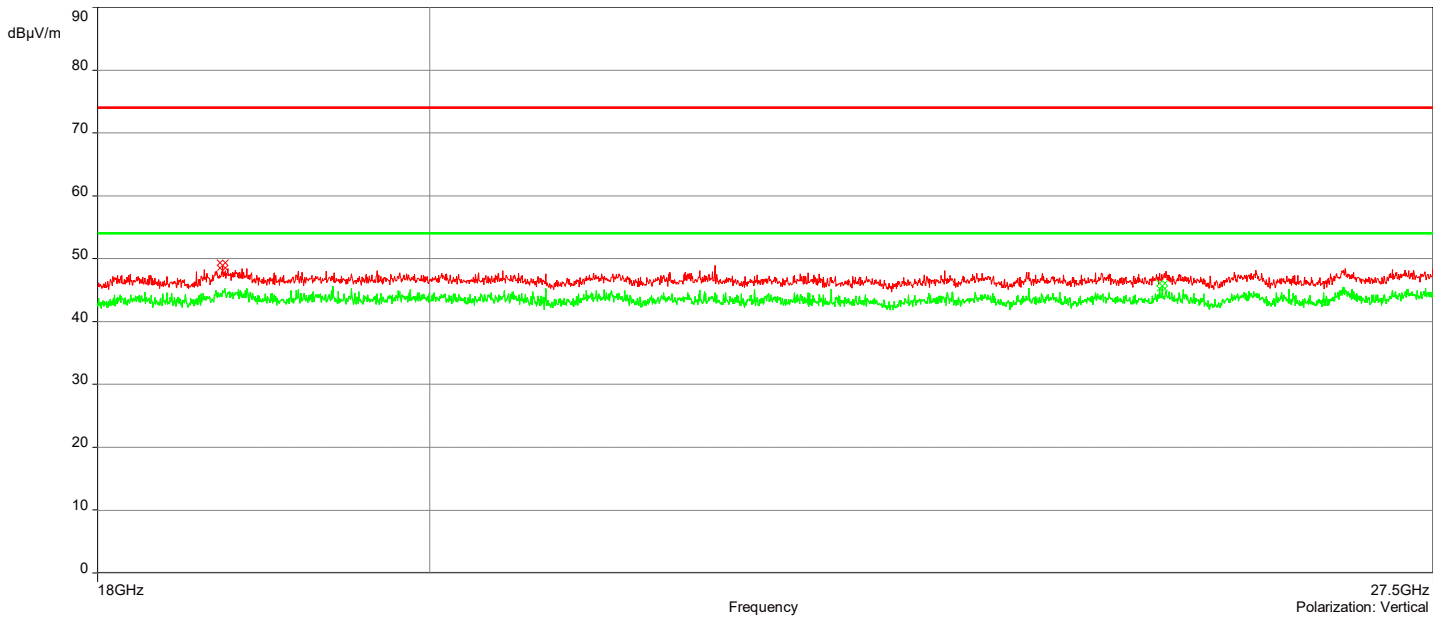
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	18.727261GHz	48.95	-0.91	74.00	-25.05	4.00	67.60	Vertical	Passed
2.	26.764663GHz	48.93	1.58	74.00	-25.07	1.13	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.	25.233662GHz	45.64	0.63	54.00	-8.36	1.15	202.60	Vertical	Passed
2.	27.30334GHz	45.97	1.77	54.00	-8.03	3.57	292.60	Horizontal	Passed

Overall Graphs:





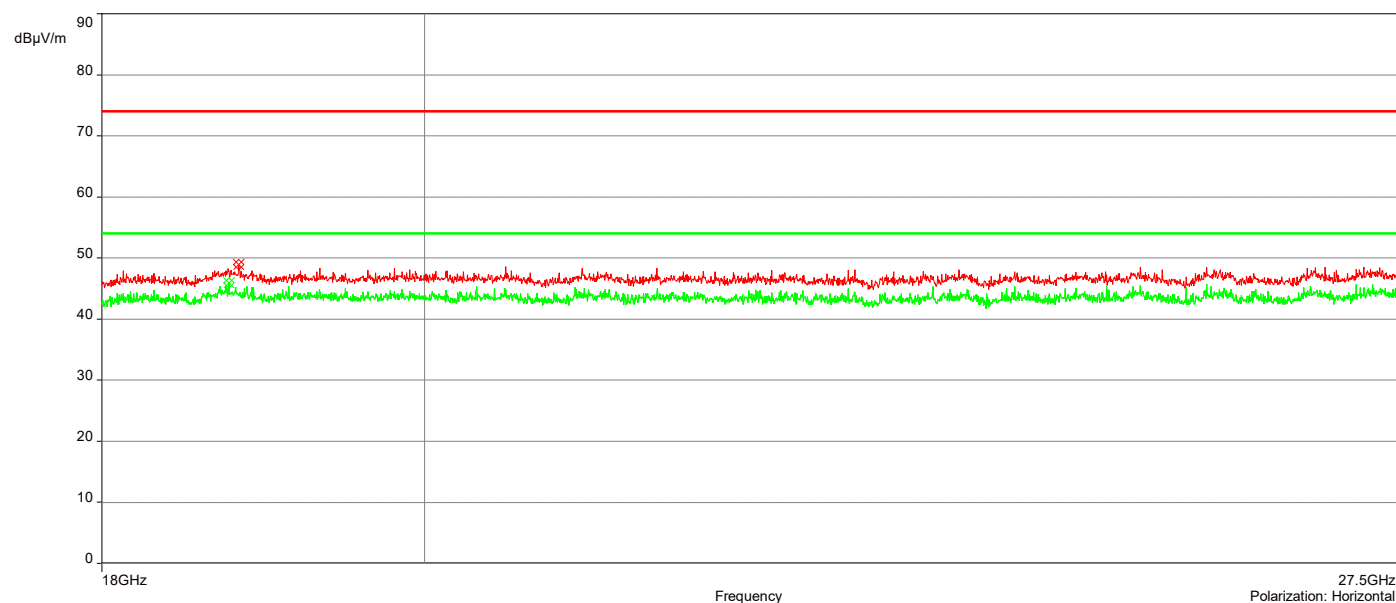
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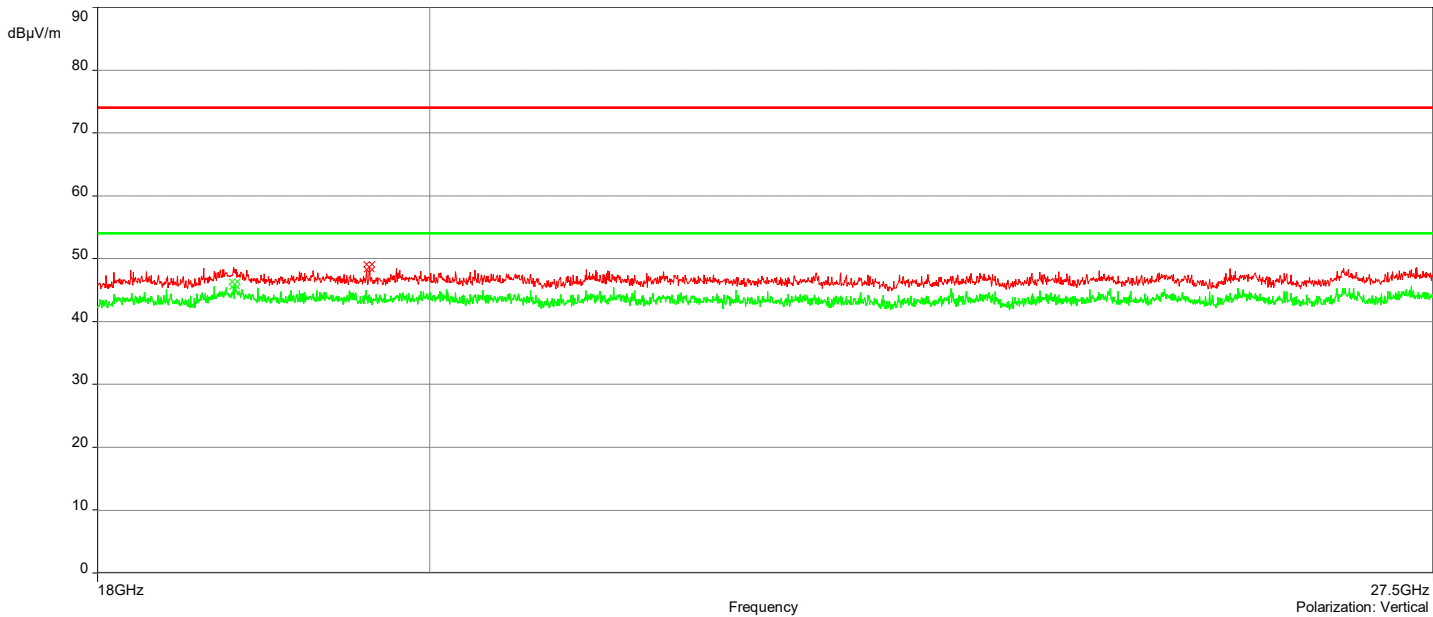
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	19.621731GHz	48.65	-1.98	74.00	-25.35	1.00	247.40	Vertical	Passed
2.	18.823691GHz	48.90	-1.07	74.00	-25.10	3.17	112.40	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	18.799465GHz	45.92	-1.02	54.00	-8.08	2.65	224.90	Vertical	Passed
2.	18.764313GHz	45.91	-1.01	54.00	-8.09	2.88	202.40	Horizontal	Passed

Overall Graphs:





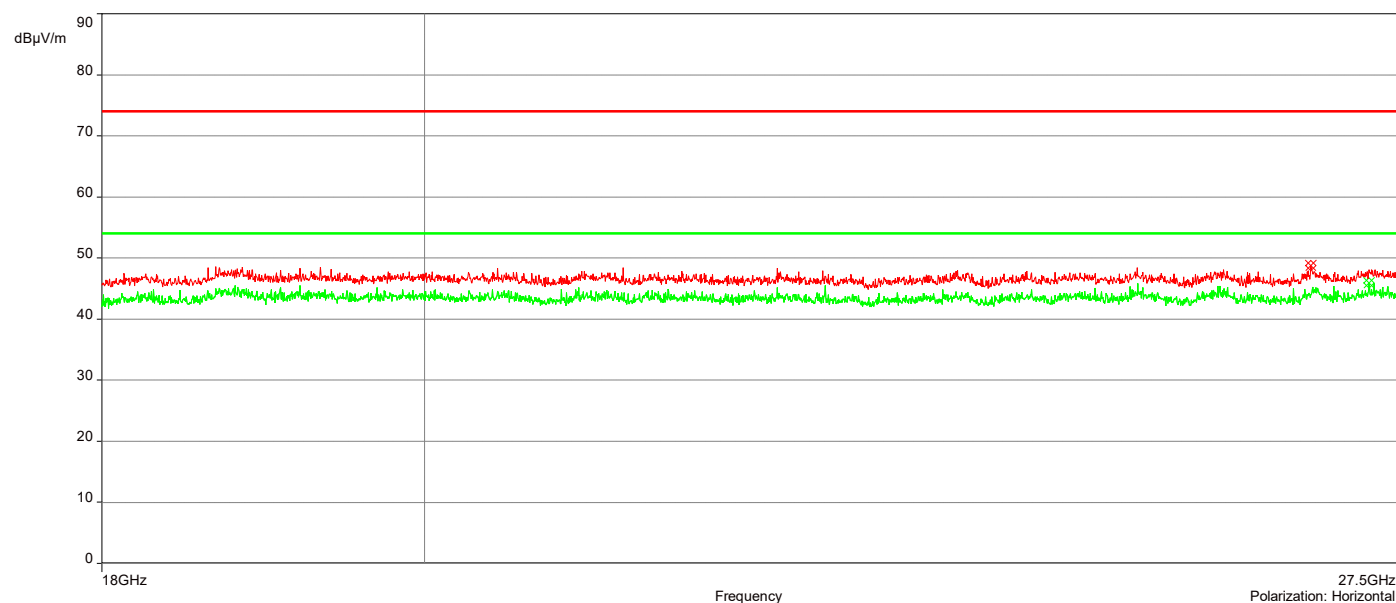
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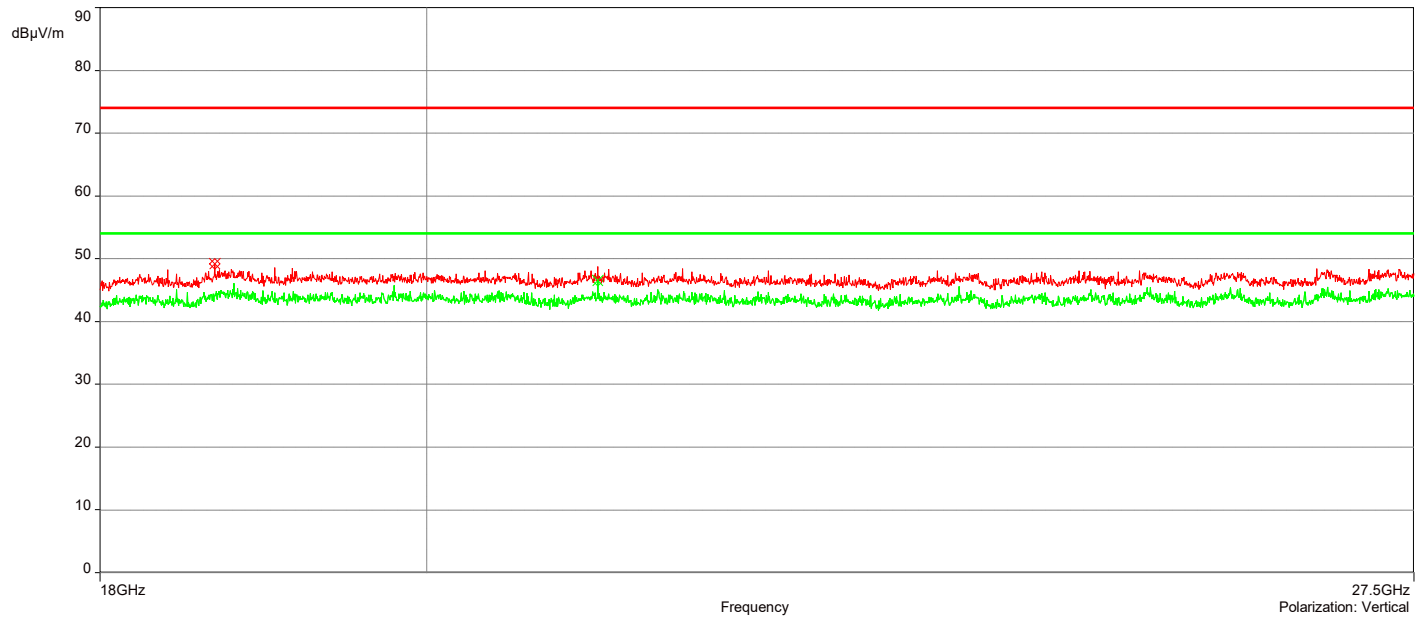
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
3.	18.677859GHz	49.19	-0.85	74.00	-24.81	1.15	292.60	Vertical	Passed
4.	26.715736GHz	48.81	1.56	74.00	-25.19	3.15	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
3.	21.135632GHz	46.49	-0.37	54.00	-7.51	2.07	292.60	Vertical	Passed
4.	27.227811GHz	45.90	1.24	54.00	-8.10	2.87	157.50	Horizontal	Passed

Overall Graphs:





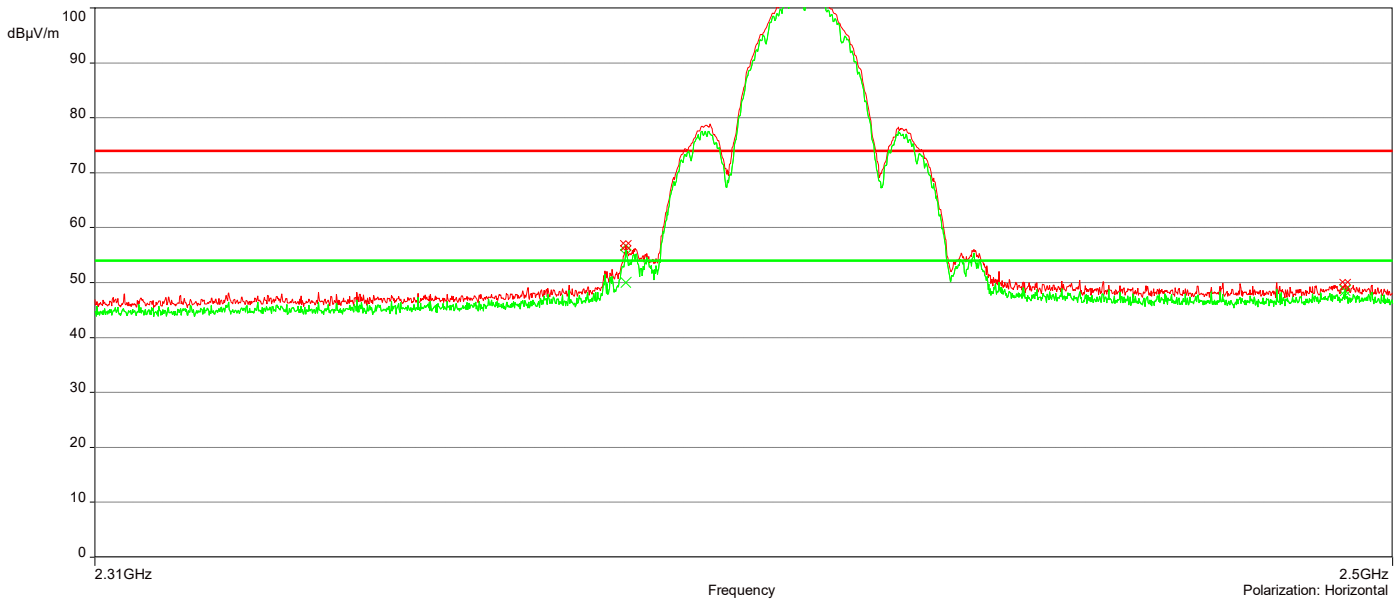
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 1

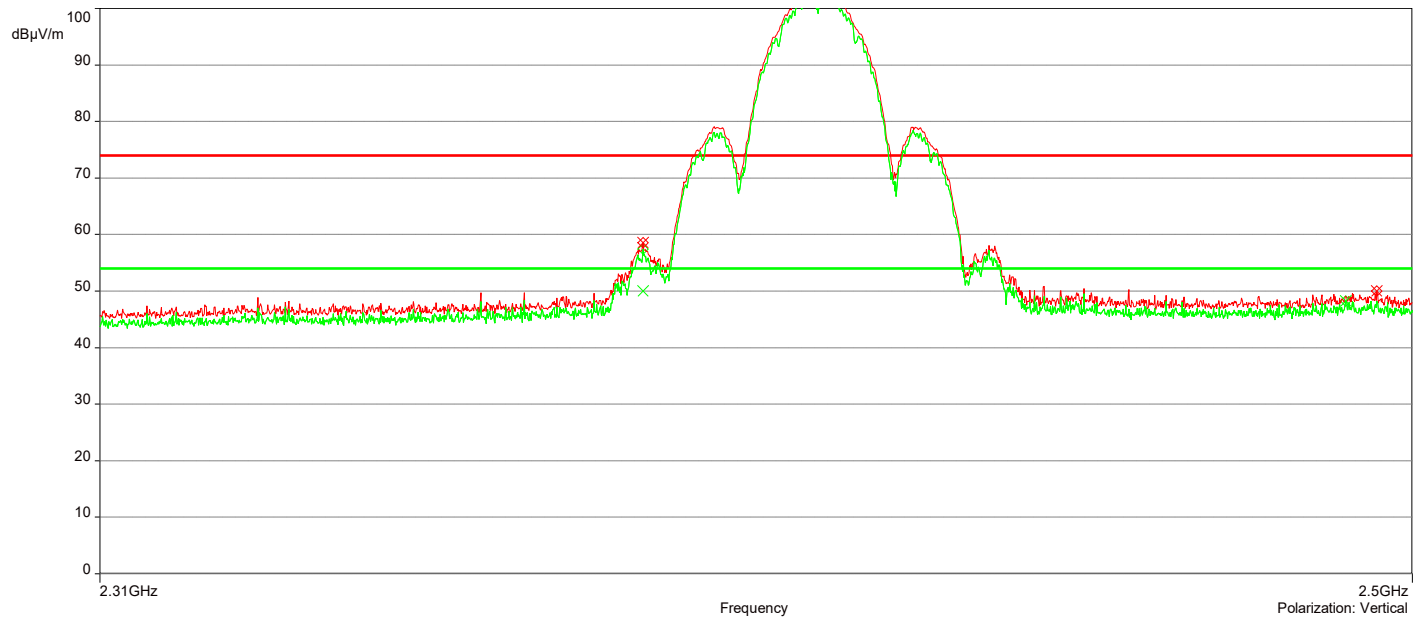
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3867984GHz	58.55	-2.82	74.00	-15.45	1.00	277.10	Vertical	Passed
2.	2.4946773GHz	50.00	-2.24	74.00	-24.00	4.00	270.80	Vertical	Passed
3.	2.385943GHz	56.71	-2.92	74.00	-17.29	2.50	242.10	Horizontal	Passed
4.	2.4927764GHz	49.59	-2.21	74.00	-24.41	3.50	48.40	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3867984GHz	49.97	-2.82	54.00	-4.03	1.00	277.10	Vertical	Passed
2.	2.49002GHz	48.22	-2.24	54.00	-5.78	3.50	278.40	Vertical	Passed
3.	2.385943GHz	50.02	-2.92	54.00	-3.98	2.50	242.10	Horizontal	Passed
4.	2.4927764GHz	48.53	-2.21	54.00	-5.47	3.50	48.40	Horizontal	Passed

Overall Graphs:





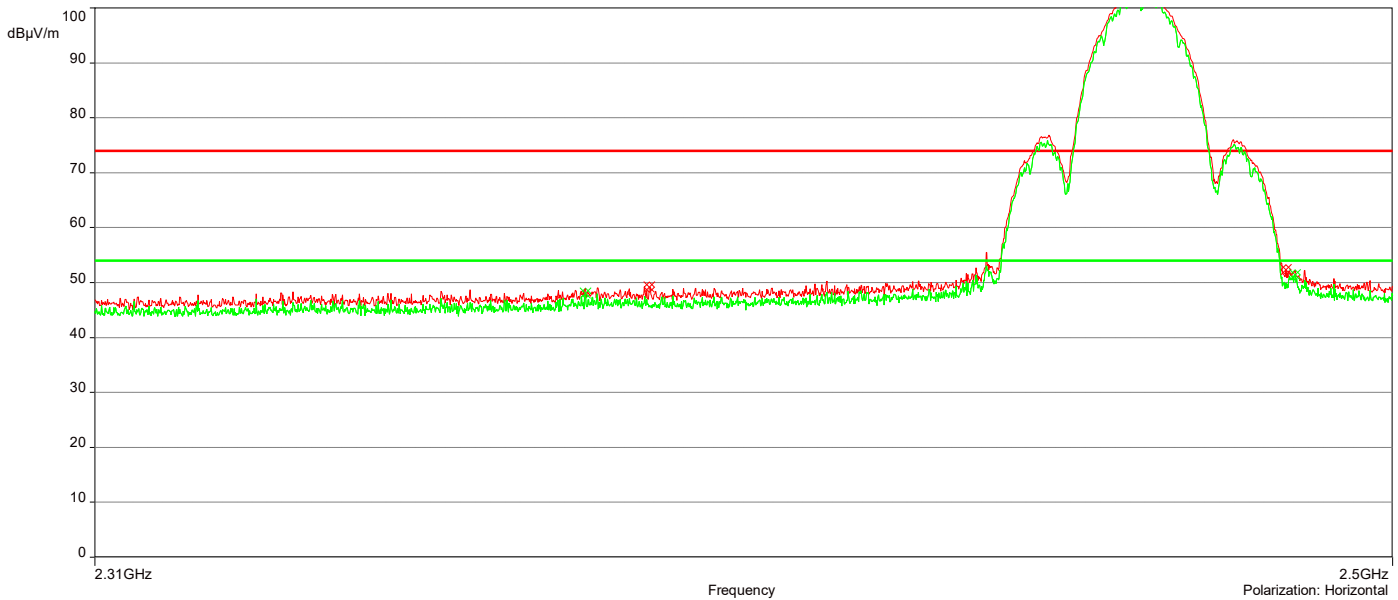
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 11

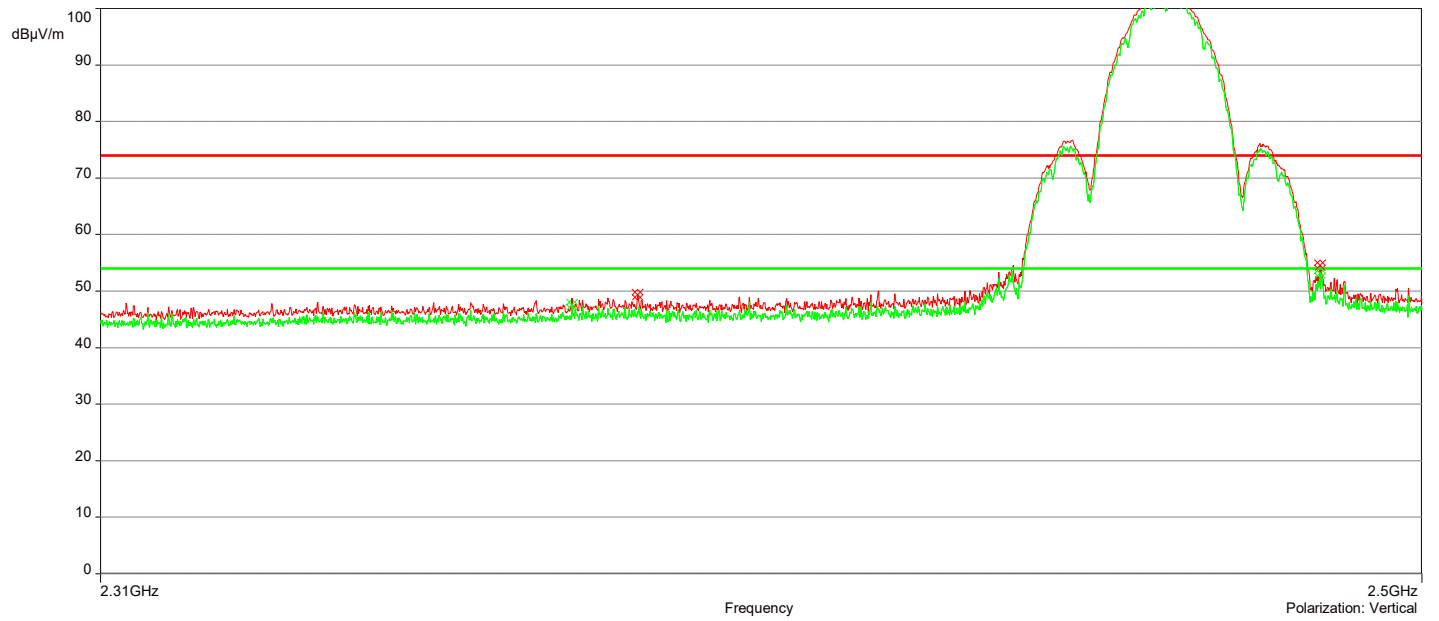
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3853727GHz	49.38	-2.83	74.00	-24.62	1.00	246.50	Vertical	Passed
2.	2.4847924GHz	54.52	-2.29	74.00	-19.48	1.00	276.80	Vertical	Passed
3.	2.3893647GHz	49.19	-2.87	74.00	-24.81	2.00	145.20	Horizontal	Passed
4.	2.4838419GHz	52.32	-2.22	74.00	-21.68	2.00	235.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.376058GHz	47.61	-2.89	54.00	-6.39	3.50	274.90	Vertical	Passed
2.	2.4847924GHz	53.19	-2.29	54.00	-0.81	1.00	276.80	Vertical	Passed
3.	2.38005GHz	48.08	-3.01	54.00	-5.92	1.50	299.00	Horizontal	Passed
4.	2.4851726GHz	51.37	-2.22	54.00	-2.63	2.00	237.90	Horizontal	Passed

Overall Graphs:





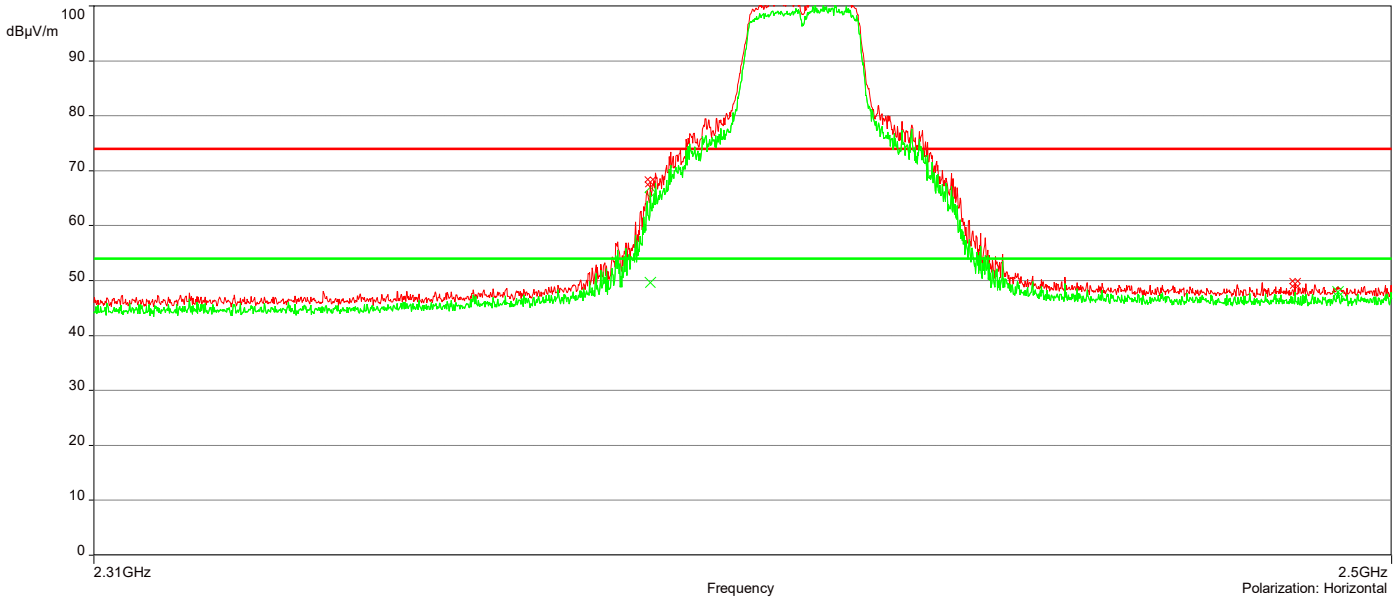
J23220_W300#1_2.4G_Restricted Bandedge_802.11g_6Mbps_Ch 1

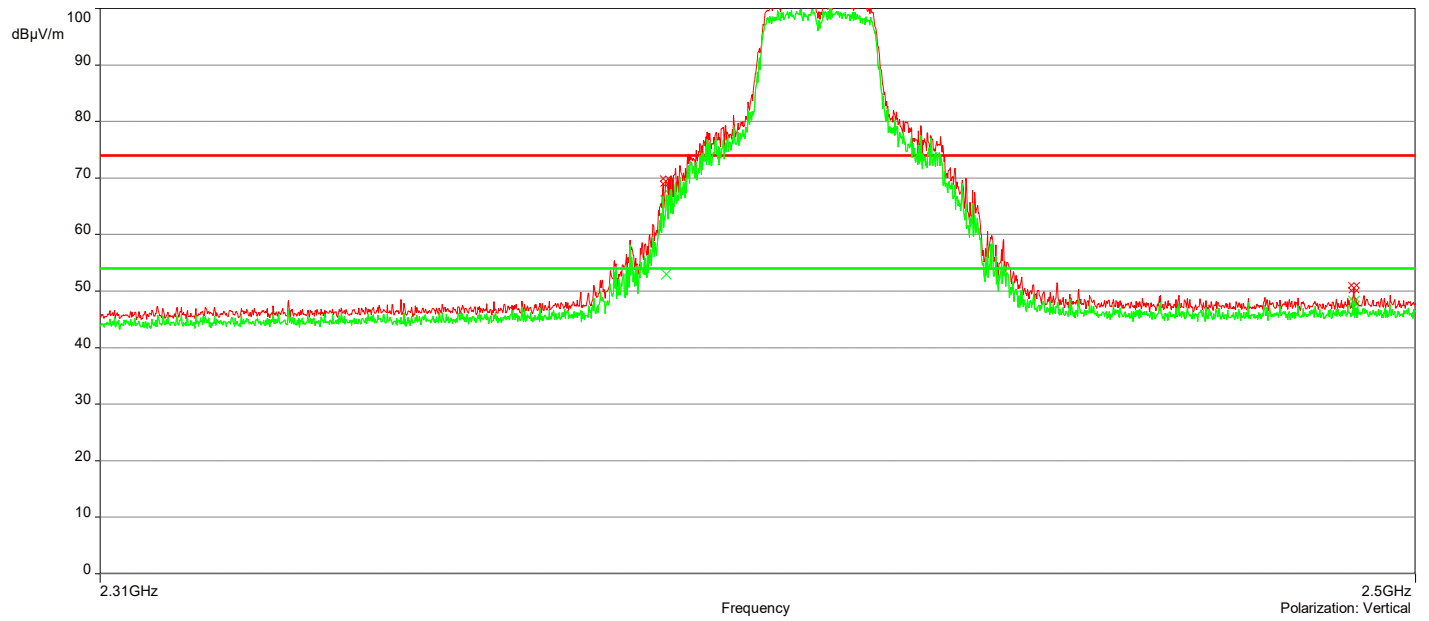
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3898399GHz	69.47	-2.80	74.00	-4.53	1.00	274.70	Vertical	Passed
2.	2.4907804GHz	50.54	-2.24	74.00	-23.46	1.00	269.40	Vertical	Passed
3.	2.3896498GHz	67.92	-2.86	74.00	-6.08	1.00	245.10	Horizontal	Passed
4.	2.4853627GHz	49.47	-2.22	74.00	-24.53	1.50	141.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.389935GHz	52.97	-2.80	54.00	-1.03	1.00	275.10	Vertical	Passed
2.	2.4907804GHz	48.19	-2.24	54.00	-5.81	1.00	269.40	Vertical	Passed
3.	2.3896498GHz	49.61	-2.86	54.00	-4.39	1.00	245.10	Horizontal	Passed
4.	2.4918259GHz	47.92	-2.21	54.00	-6.08	2.50	240.20	Horizontal	Passed

Overall Graphs:





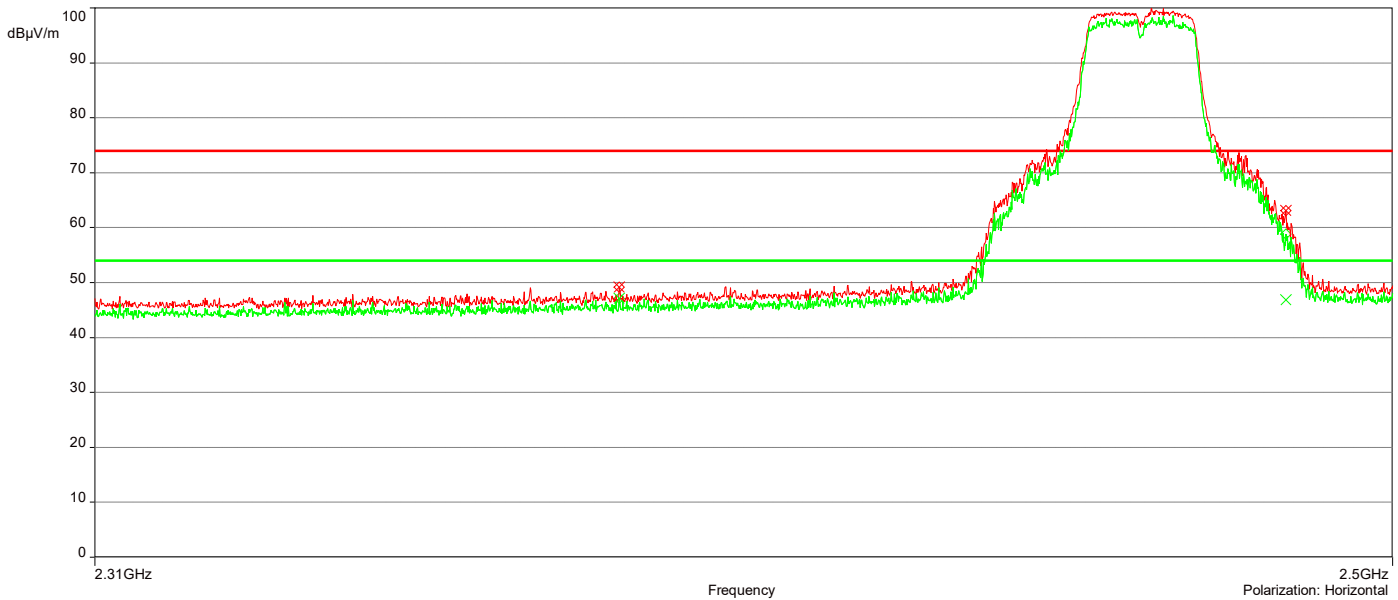
J23220_W300#1_2.4G_Restricted Bandedge_802.11g_6Mbps_Ch 11

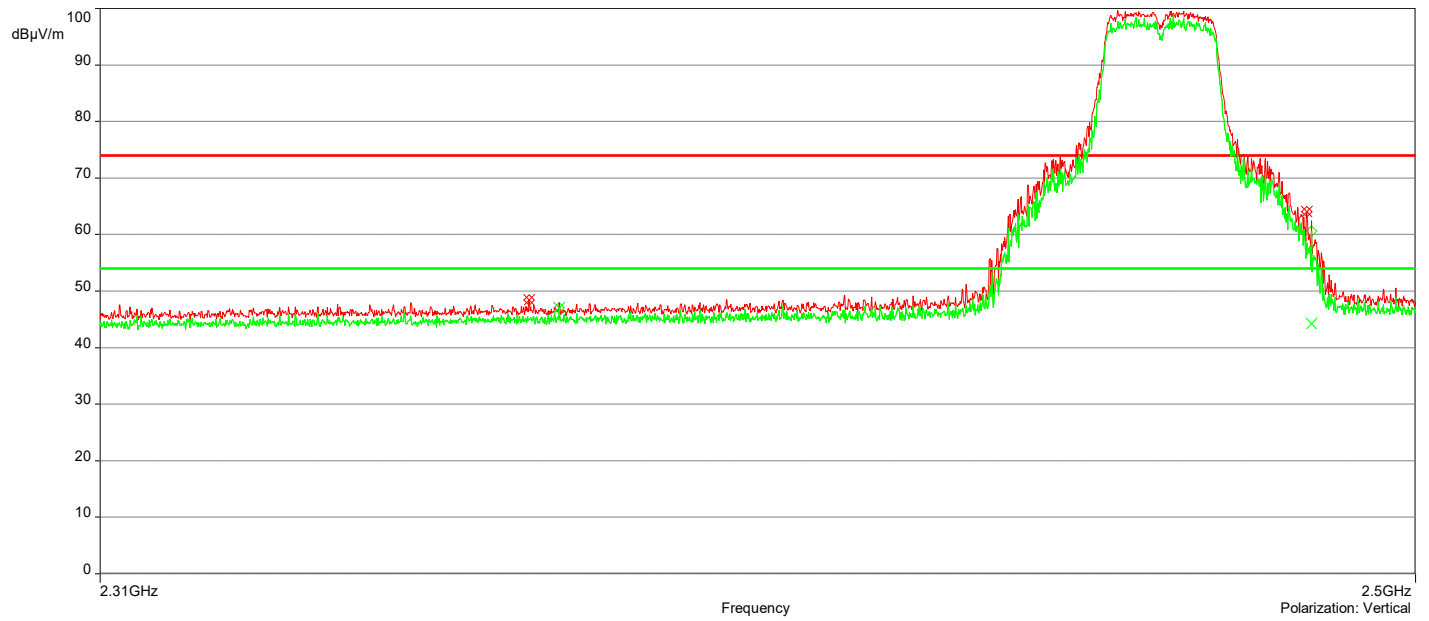
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3703552GHz	48.41	-2.94	74.00	-25.59	3.00	302.50	Vertical	Passed
2.	2.4837469GHz	64.04	-2.30	74.00	-9.96	1.00	273.00	Vertical	Passed
3.	2.3849925GHz	49.13	-2.93	74.00	-24.87	1.00	142.90	Horizontal	Passed
4.	2.4838419GHz	63.08	-2.22	74.00	-10.92	1.00	240.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3746323GHz	47.04	-2.90	54.00	-6.96	3.50	270.50	Vertical	Passed
2.	2.4844122GHz	44.29	-2.30	54.00	-9.71	1.00	268.10	Vertical	Passed
3.	2.3849925GHz	47.09	-2.93	54.00	-6.91	1.00	142.90	Horizontal	Passed
4.	2.4838419GHz	46.85	-2.22	54.00	-7.15	1.00	240.10	Horizontal	Passed

Overall Graphs:





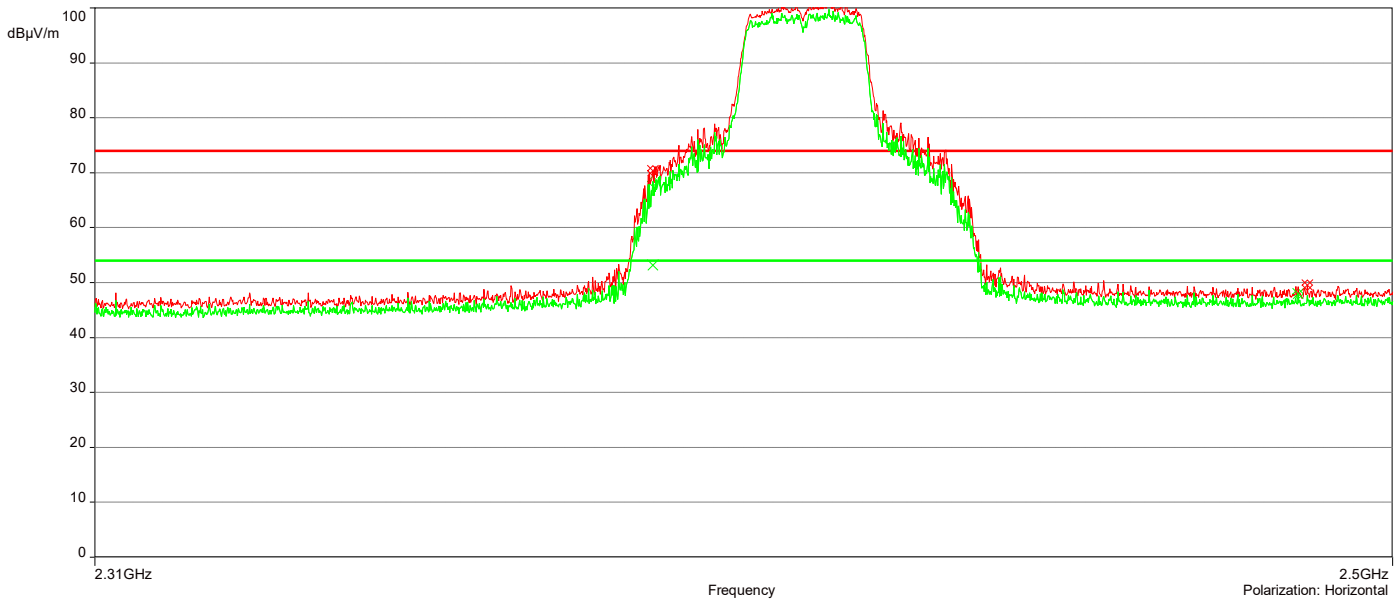
J23220_W300#1_2.4G_Restricted Bandedge_802.11n_MCS0_Ch 1

2/9/2024 12:19:05 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3898399GHz	72.58	-2.80	74.00	-1.42	1.00	276.00	Vertical	Passed
2.	2.4897349GHz	49.39	-2.24	74.00	-24.61	1.00	88.70	Vertical	Passed
3.	2.3898399GHz	70.37	-2.86	74.00	-3.63	1.00	241.40	Horizontal	Passed
4.	2.4870735GHz	49.54	-2.22	74.00	-24.46	1.00	248.00	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3892696GHz	53.04	-2.81	54.00	-0.96	1.00	275.90	Vertical	Passed
2.	2.4897349GHz	48.41	-2.24	54.00	-5.59	1.00	88.70	Vertical	Passed
3.	2.3898399GHz	53.21	-2.86	54.00	-0.79	1.00	241.40	Horizontal	Passed
4.	2.4856478GHz	47.95	-2.22	54.00	-6.05	2.50	246.70	Horizontal	Passed

Overall Graphs:





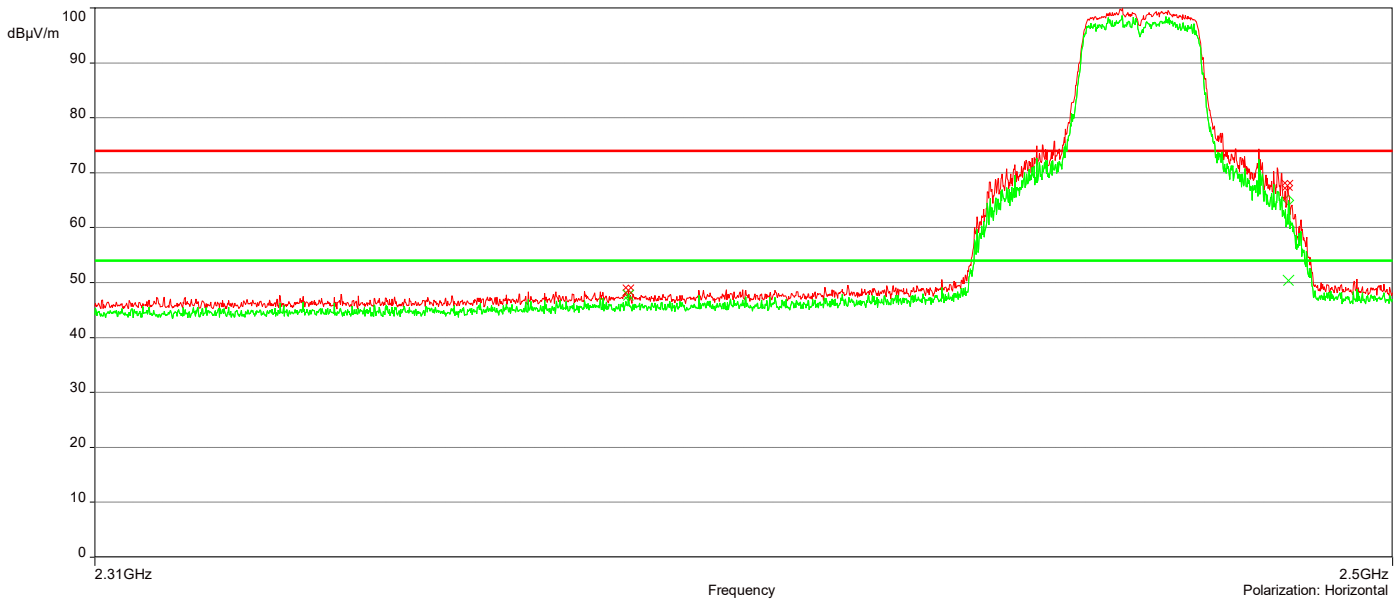
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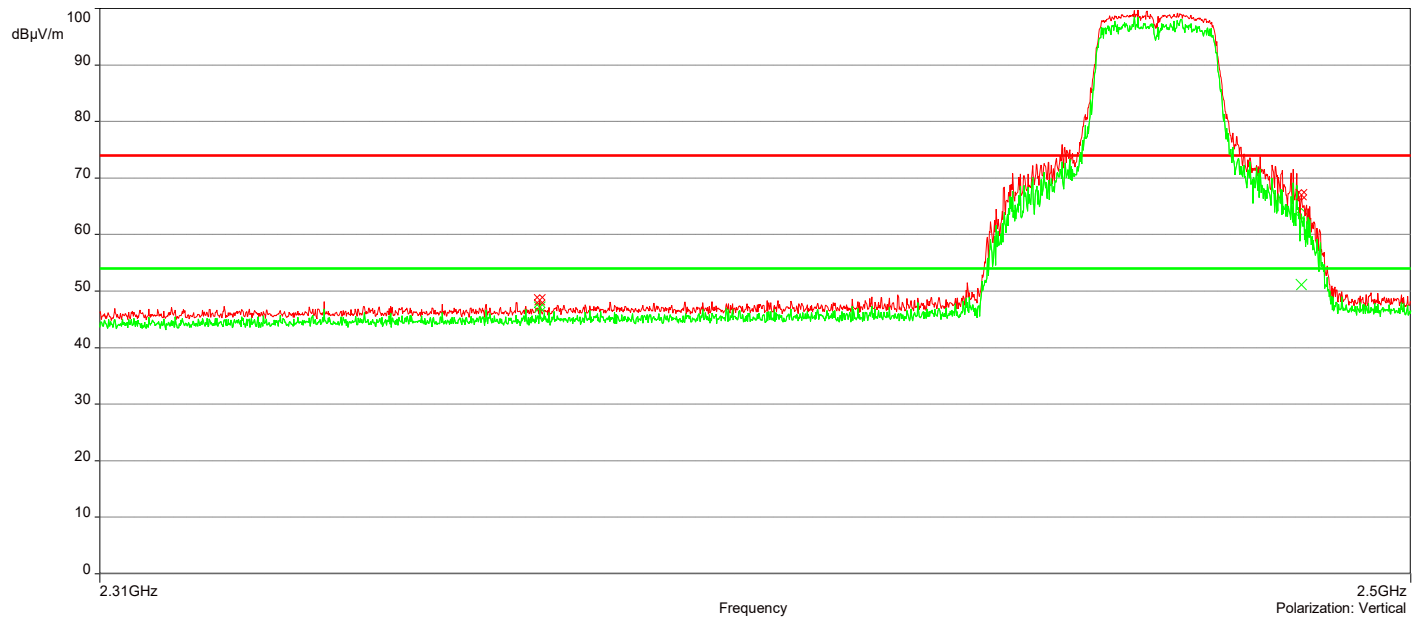
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.372066GHz	48.38	-2.92	74.00	-25.62	2.00	231.00	Vertical	Passed
2.	2.4835568GHz	67.01	-2.31	74.00	-6.99	1.00	275.90	Vertical	Passed
3.	2.3863232GHz	48.60	-2.91	74.00	-25.40	1.00	42.40	Horizontal	Passed
4.	2.484032GHz	67.63	-2.22	74.00	-6.37	1.00	245.20	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.372066GHz	47.08	-2.92	54.00	-6.92	2.00	231.00	Vertical	Passed
2.	2.4835568GHz	51.15	-2.31	54.00	-2.85	1.00	275.90	Vertical	Passed
3.	2.3863232GHz	47.69	-2.91	54.00	-6.31	1.00	42.40	Horizontal	Passed
4.	2.4842221GHz	50.38	-2.22	54.00	-3.62	1.00	242.10	Horizontal	Passed

Overall Graphs:





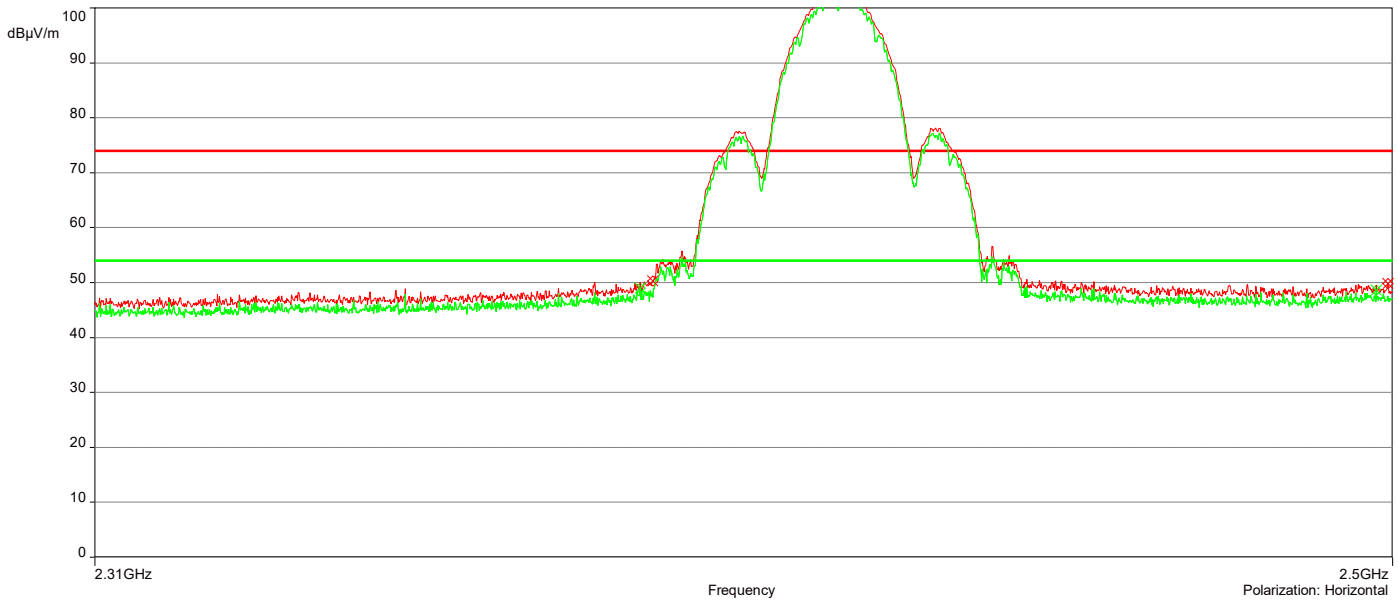
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 2

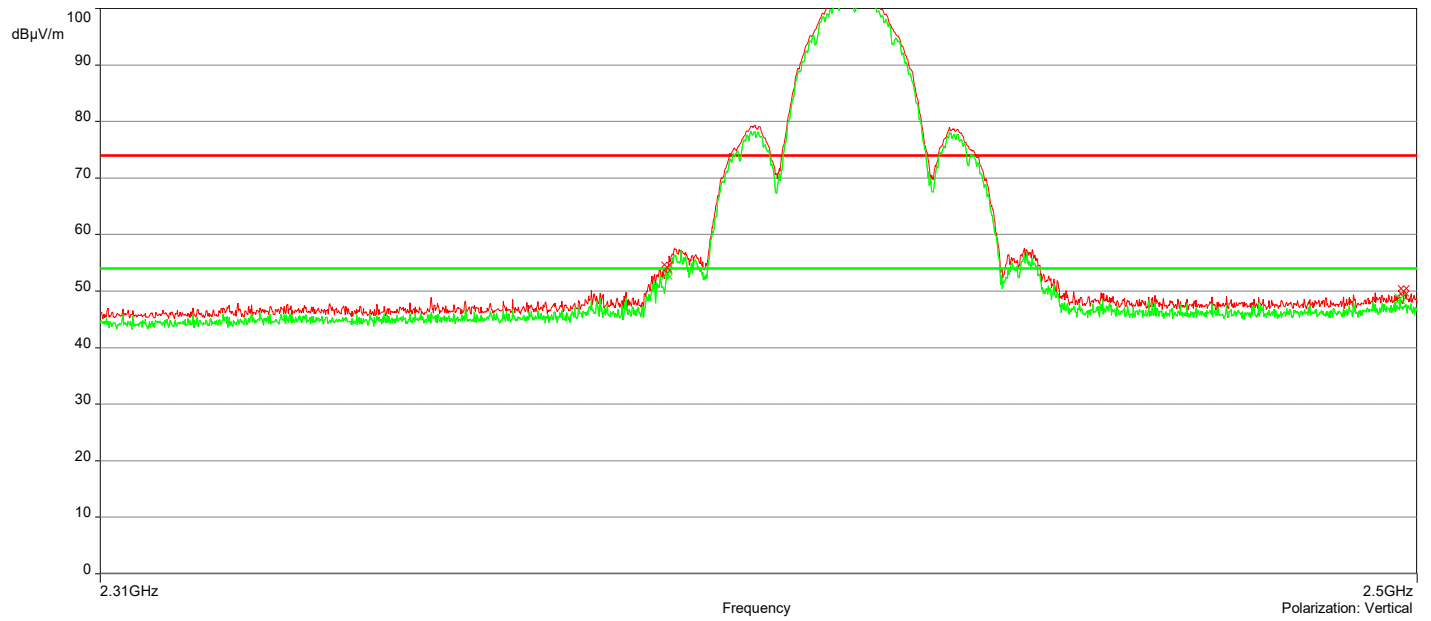
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.389935GHz	54.19	-2.80	74.00	-19.81	1.00	281.80	Vertical	Passed
2.	2.498004GHz	50.00	-2.24	74.00	-24.00	4.00	289.80	Vertical	Passed
3.	2.3898399GHz	50.28	-2.86	74.00	-23.72	2.00	199.60	Horizontal	Passed
4.	2.4993347GHz	49.81	-2.20	74.00	-24.19	1.50	145.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.389935GHz	52.98	-2.80	54.00	-1.02	1.00	281.80	Vertical	Passed
2.	2.4974337GHz	48.62	-2.24	54.00	-5.38	4.00	287.10	Vertical	Passed
3.	2.388034GHz	48.98	-2.89	54.00	-5.02	2.00	243.30	Horizontal	Passed
4.	2.4975288GHz	48.63	-2.21	54.00	-5.37	3.50	243.20	Horizontal	Passed

Overall Graphs:





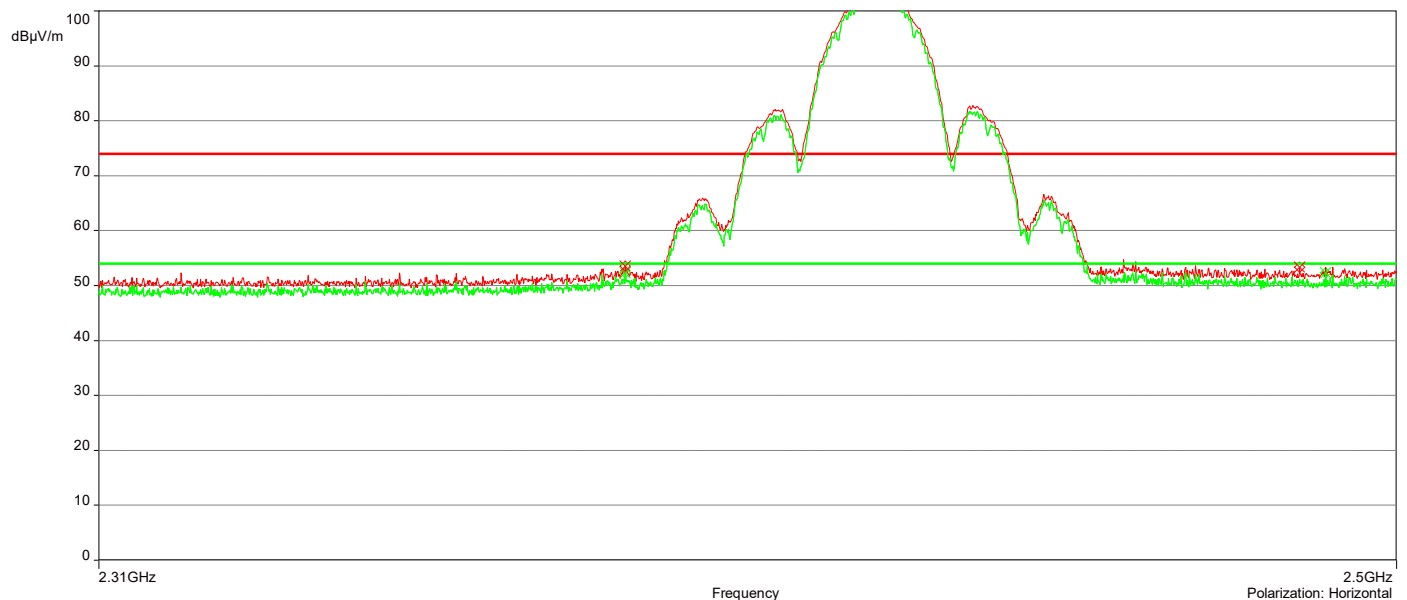
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 3

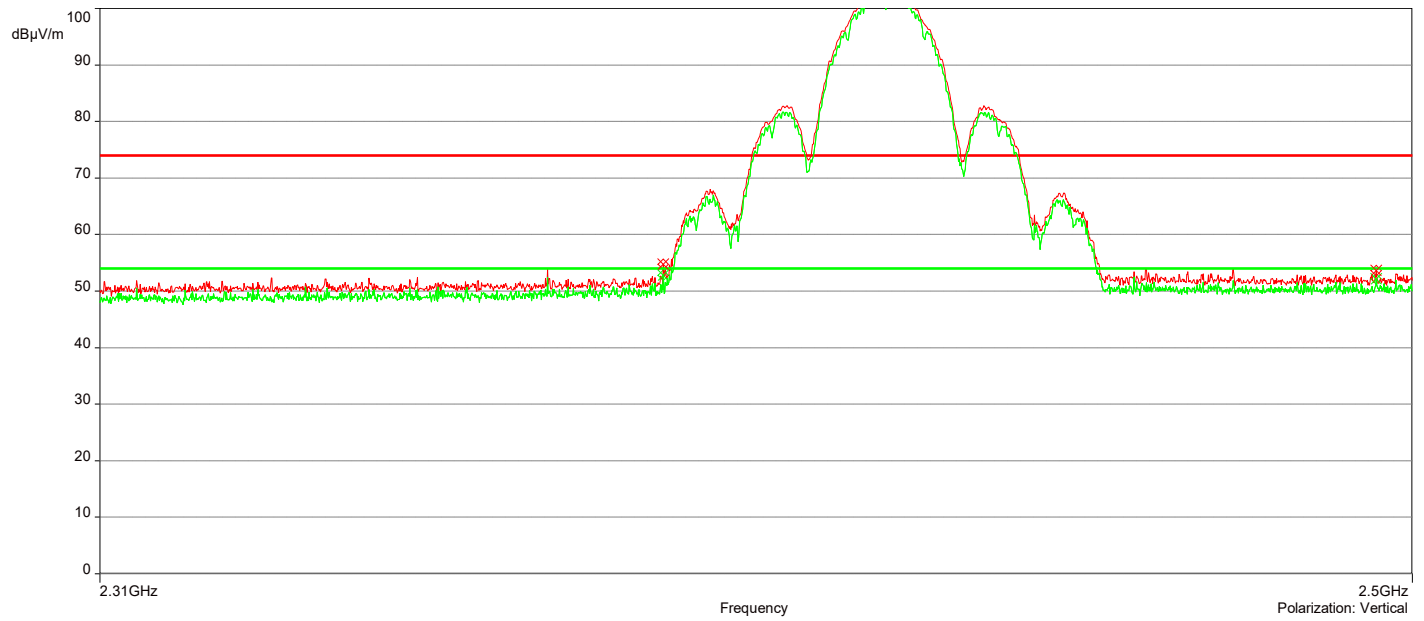
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3897449GHz	54.76	-2.80	74.00	-19.24	1.00	279.90	Vertical	Passed
2.	2.4945823GHz	53.61	-2.24	74.00	-20.39	2.50	65.90	Vertical	Passed
3.	2.3852776GHz	53.51	-2.93	74.00	-20.49	1.00	244.90	Horizontal	Passed
4.	2.4852676GHz	53.35	-2.22	74.00	-20.65	1.00	143.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3897449GHz	52.77	-2.80	54.00	-1.23	1.00	279.90	Vertical	Passed
2.	2.4945823GHz	52.12	-2.24	54.00	-1.88	2.50	65.90	Vertical	Passed
3.	2.3852776GHz	52.33	-2.93	54.00	-1.67	1.00	244.90	Horizontal	Passed
4.	2.4892596GHz	52.30	-2.21	54.00	-1.70	4.00	253.70	Horizontal	Passed

Overall Graphs:





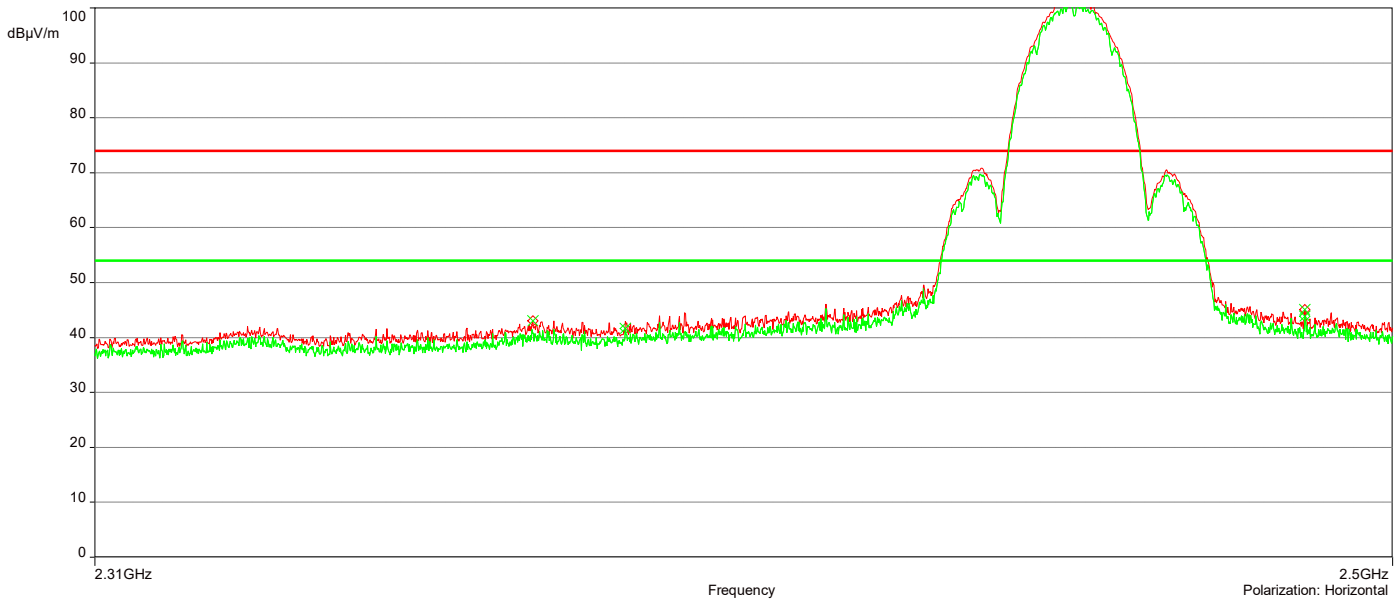
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 9

5/13/2024 3:40:22 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3692146GHz	48.05	-2.78	74.00	-25.95	4.00	266.00	Vertical	Passed
2.	2.4835568GHz	54.42	-2.20	74.00	-19.58	1.50	14.30	Vertical	Passed
3.	2.3724462GHz	43.06	-2.94	74.00	-30.94	3.00	167.90	Horizontal	Passed
4.	2.4866933GHz	45.09	-2.12	74.00	-28.91	4.00	333.30	Horizontal	Passed

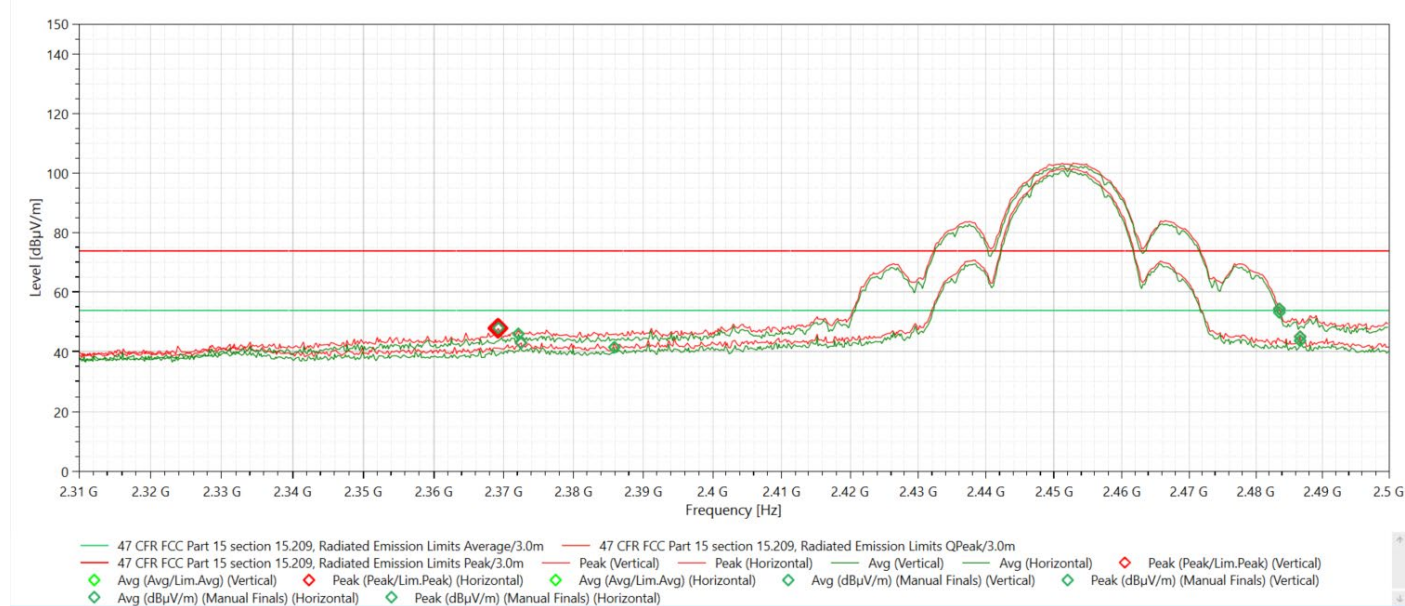
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1.	2.372066GHz	46.16	-2.75	54.00	-7.84	4.00	268.00	Vertical	Passed
2.	2.4835568GHz	53.35	-2.20	54.00	-0.65	1.50	14.30	Vertical	Passed
3.	2.3858479GHz	41.65	-2.79	54.00	-12.35	1.50	198.00	Horizontal	Passed
4.	2.4866933GHz	43.86	-2.12	54.00	-10.14	4.00	333.30	Horizontal	Passed

Overall Graphs:





Note: Additional Manual plot of above test is demonstrated to showcase the X-axis frequency.



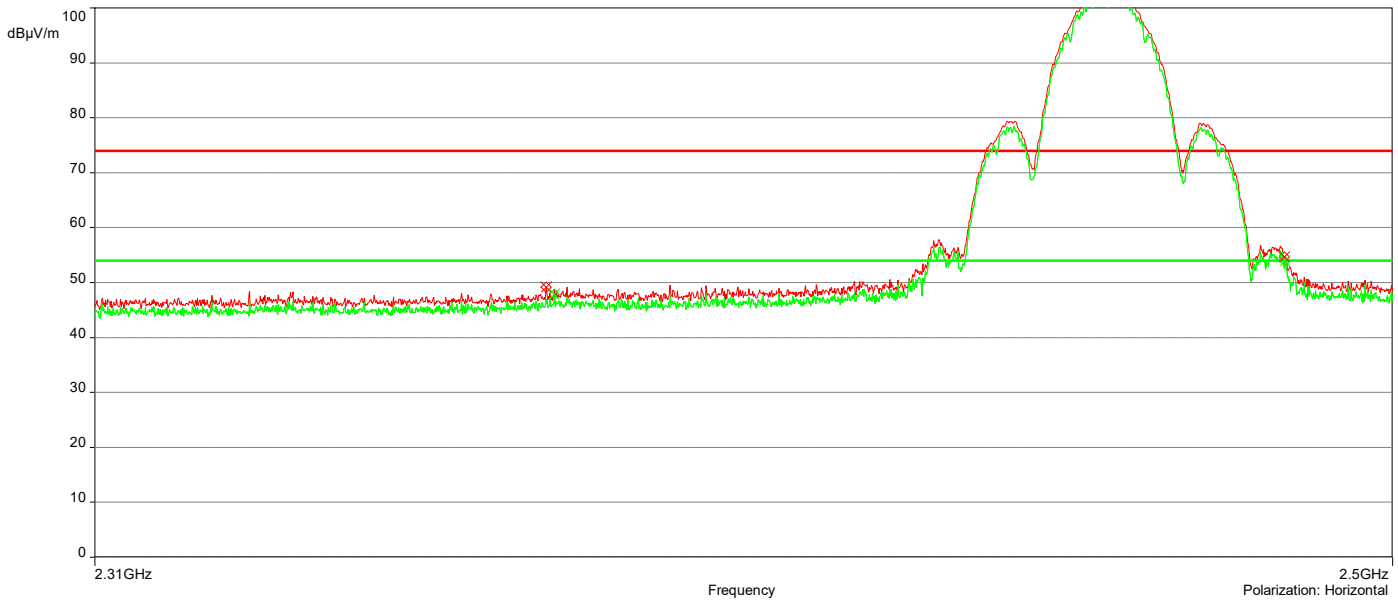
J23220_W300#1_2.4G_Restricted Bandedge_802.11b_1Mbps_Ch 10

2/15/2024 6:34:41 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3852776GHz	49.99	-2.83	74.00	-24.01	1.00	283.90	Vertical	Passed
2.	2.4838419GHz	53.95	-2.30	74.00	-20.05	1.00	279.20	Vertical	Passed
3.	2.3743472GHz	49.16	-3.09	74.00	-24.84	3.00	347.20	Horizontal	Passed
4.	2.4835568GHz	54.62	-2.23	74.00	-19.38	2.50	244.20	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3852776GHz	47.53	-2.83	54.00	-6.47	1.00	283.90	Vertical	Passed
2.	2.4835568GHz	52.23	-2.31	54.00	-1.77	1.00	279.20	Vertical	Passed
3.	2.3755828GHz	47.86	-3.07	54.00	-6.14	1.50	130.70	Horizontal	Passed
4.	2.4836518GHz	53.90	-2.23	54.00	-0.10	2.50	244.20	Horizontal	Passed

Overall Graphs:





J23220_W300#1_2.4G_Restricted Bandedge_802.11g_6Mbps_Ch 2

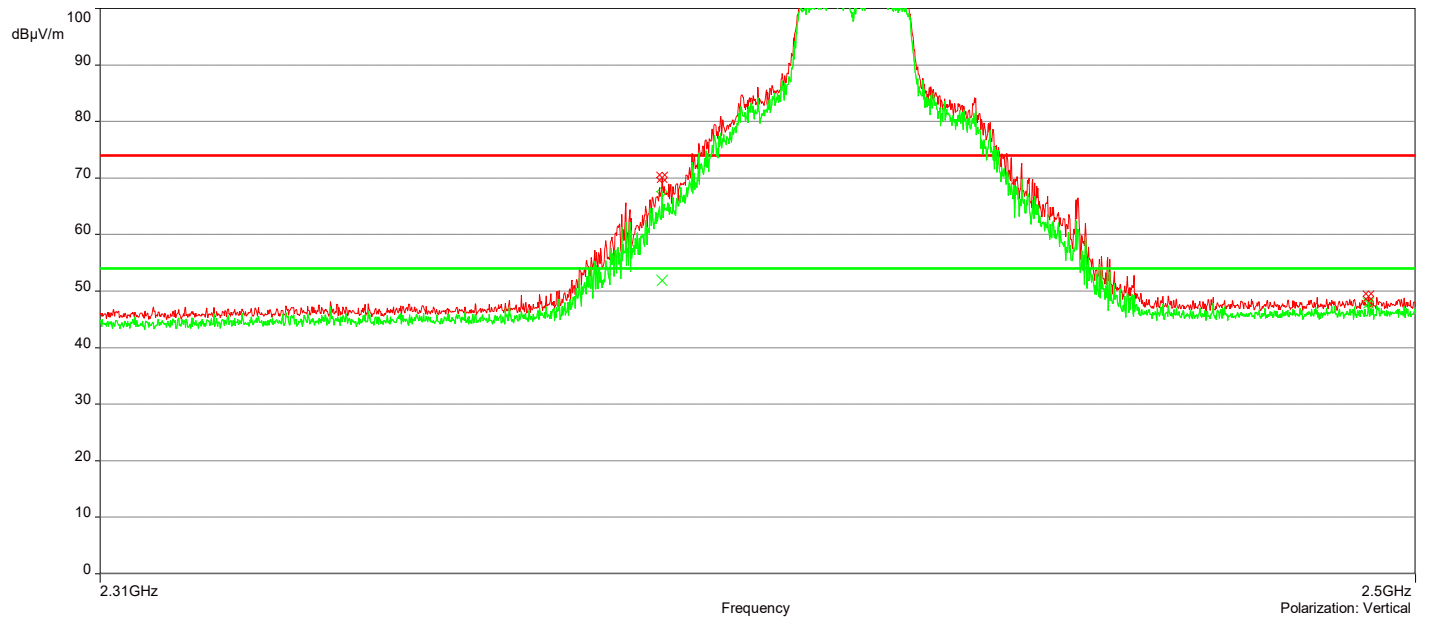
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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3893647GHz	70.06	-2.81	74.00	-3.94	1.00	282.30	Vertical	Passed
2.	2.4929665GHz	49.10	-2.24	74.00	-24.90	1.00	257.50	Vertical	Passed
3.	2.3893647GHz	69.01	-2.87	74.00	-4.99	2.00	246.80	Horizontal	Passed
4.	2.4970535GHz	49.45	-2.21	74.00	-24.55	2.50	40.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3893647GHz	51.83	-2.81	54.00	-2.17	1.00	282.30	Vertical	Passed
2.	2.4929665GHz	47.89	-2.24	54.00	-6.11	1.00	257.50	Vertical	Passed
3.	2.3895548GHz	50.62	-2.87	54.00	-3.38	1.50	241.10	Horizontal	Passed
4.	2.4970535GHz	47.75	-2.21	54.00	-6.25	2.50	40.90	Horizontal	Passed

Overall Graphs





J23220_W300#1_2.4G_Restricted Bandedge_802.11g_6Mbps_Ch 3

2/21/2024 12:34:08 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3888894GHz	71.81	-2.81	74.00	-2.19	1.00	282.90	Vertical	Passed
2.	2.4990495GHz	53.27	-2.24	74.00	-20.73	3.50	293.40	Vertical	Passed
3.	2.3890795GHz	69.71	-2.87	74.00	-4.29	1.00	40.40	Horizontal	Passed
4.	2.4892596GHz	53.40	-2.21	74.00	-20.60	2.50	352.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3888894GHz	51.04	-2.81	54.00	-2.96	1.00	282.90	Vertical	Passed
2.	2.4953427GHz	51.78	-2.24	54.00	-2.22	2.50	161.60	Vertical	Passed
3.	2.3894597GHz	52.05	-2.87	54.00	-1.95	2.00	248.10	Horizontal	Passed
4.	2.4930615GHz	51.70	-2.21	54.00	-2.30	2.50	255.50	Horizontal	Passed

Overall Graphs:





J23220_W300#1_2.4G_Restricted Bandedge_802.11g_6Mbps_Ch 10

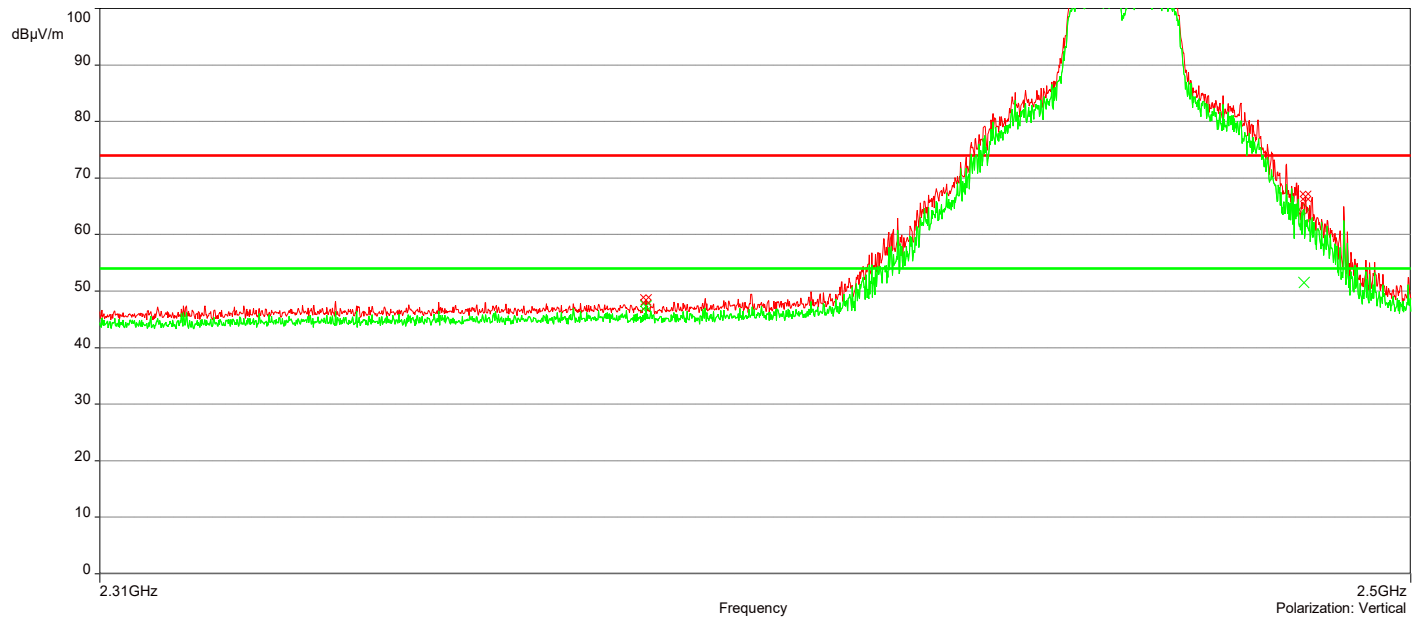
2/15/2024 4:18:35 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3873687GHz	48.43	-2.82	74.00	-25.57	2.50	166.80	Vertical	Passed
2.	2.4842221GHz	66.71	-2.30	74.00	-7.29	1.00	280.60	Vertical	Passed
3.	2.3853727GHz	48.46	-2.93	74.00	-25.54	1.00	109.10	Horizontal	Passed
4.	2.4841271GHz	67.37	-2.22	74.00	-6.63	2.50	249.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3873687GHz	47.33	-2.82	54.00	-6.67	2.50	166.80	Vertical	Passed
2.	2.483937GHz	51.49	-2.30	54.00	-2.51	1.00	282.90	Vertical	Passed
3.	2.3426963GHz	47.08	-3.31	54.00	-6.92	1.50	196.20	Horizontal	Passed
4.	2.4848874GHz	51.71	-2.22	54.00	-2.29	2.50	246.90	Horizontal	Passed

Overall Graphs:





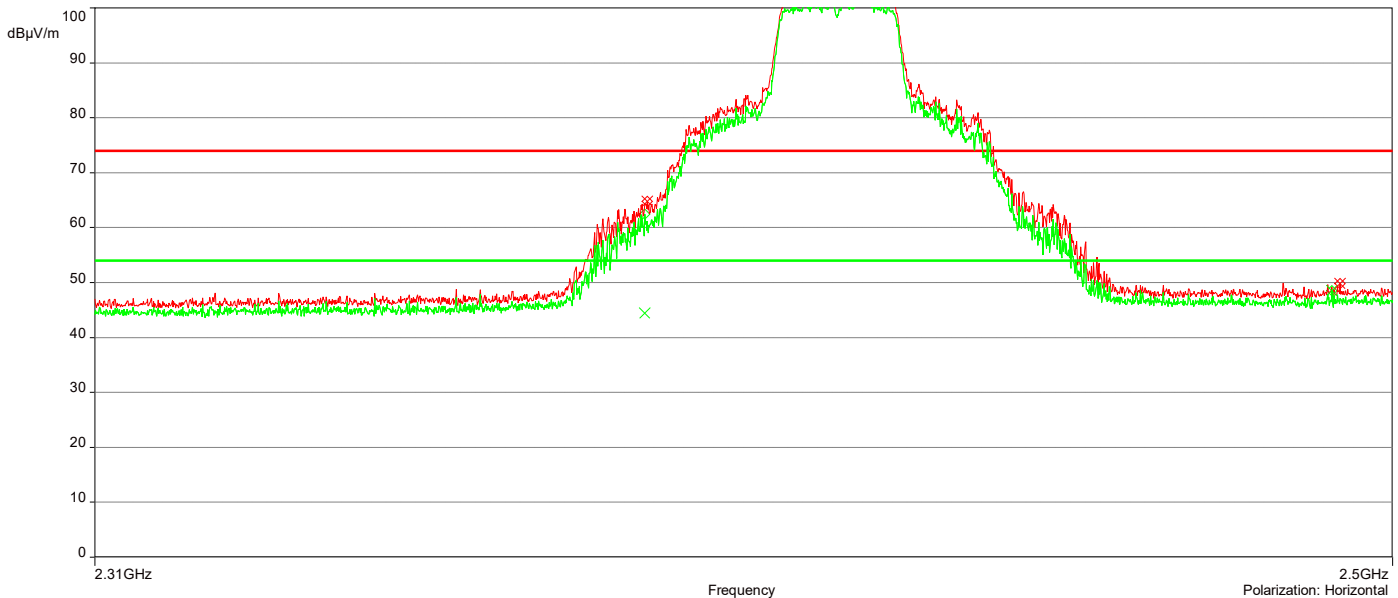
J23220_W300#1_2.4G_Restricted Bandedge_802.11n_MCS0_Ch 2

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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3887944GHz	67.23	-2.81	74.00	-6.77	1.00	279.70	Vertical	Passed
2.	2.49002GHz	50.06	-2.24	74.00	-23.94	1.00	282.60	Vertical	Passed
3.	2.3890795GHz	64.75	-2.87	74.00	-9.25	1.50	241.80	Horizontal	Passed
4.	2.492016GHz	49.85	-2.21	74.00	-24.15	2.50	250.70	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3895548GHz	50.05	-2.80	54.00	-3.95	1.00	283.10	Vertical	Passed
2.	2.4967684GHz	48.12	-2.24	54.00	-5.88	1.00	249.70	Vertical	Passed
3.	2.3886993GHz	44.44	-2.88	54.00	-9.56	2.50	241.10	Horizontal	Passed
4.	2.4907804GHz	48.49	-2.21	54.00	-5.51	1.50	43.40	Horizontal	Passed

Overall Graphs:





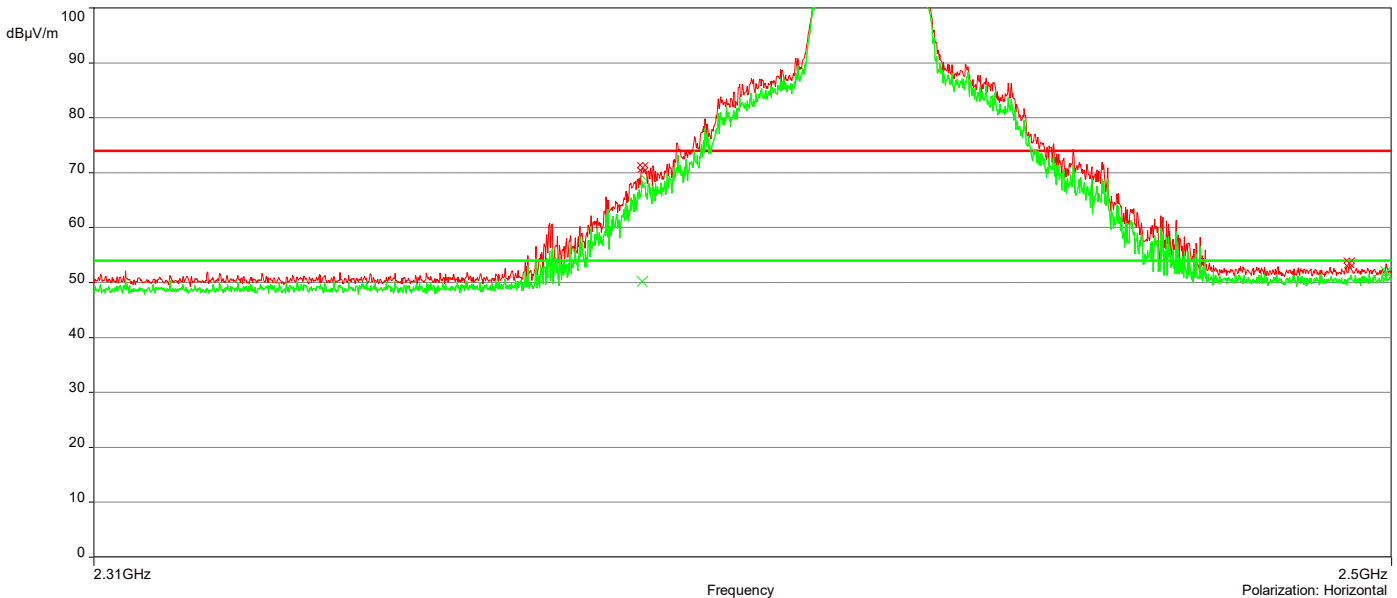
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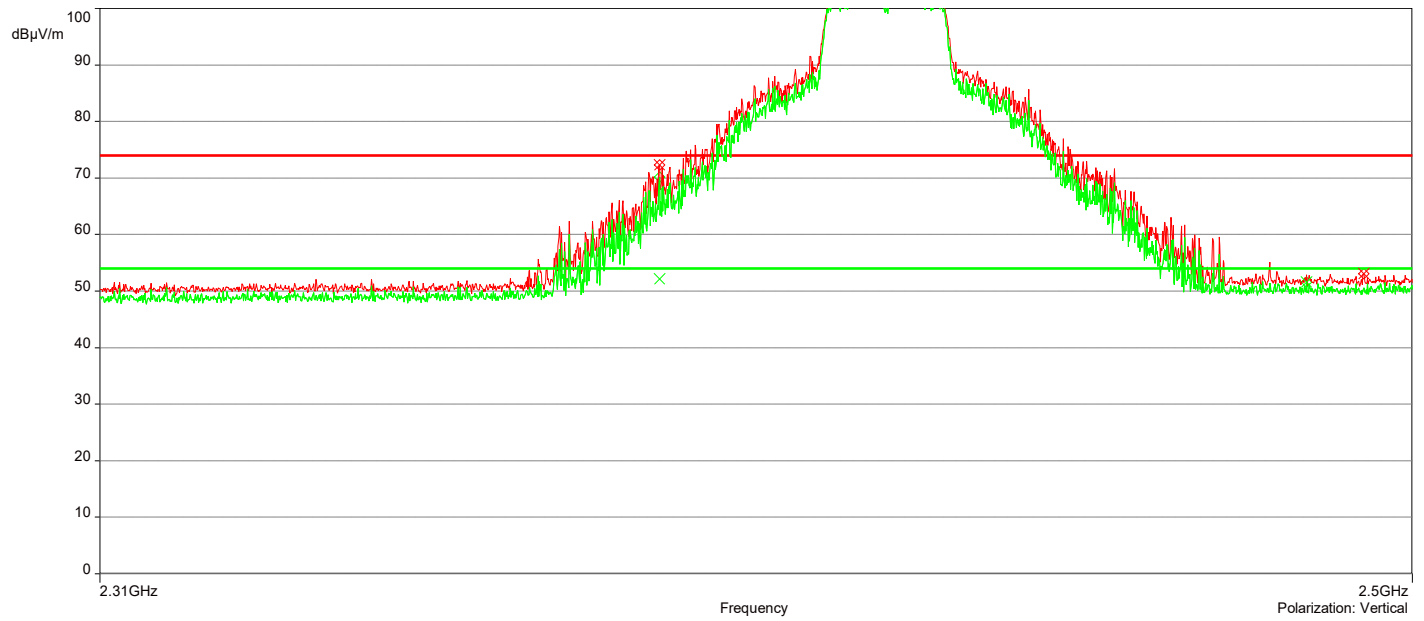
2/21/2024 2:24:51 PM

No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3891746GHz	72.28	-2.81	74.00	-1.72	1.00	274.50	Vertical	Passed
2.	2.4926813GHz	53.03	-2.24	74.00	-20.97	1.50	307.00	Vertical	Passed
3.	2.3885093GHz	70.89	-2.88	74.00	-3.11	2.00	247.50	Horizontal	Passed
4.	2.4935368GHz	53.51	-2.21	74.00	-20.49	3.00	146.90	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3891746GHz	52.15	-2.81	54.00	-1.85	1.00	274.50	Vertical	Passed
2.	2.4841271GHz	51.55	-2.30	54.00	-2.45	3.50	69.50	Vertical	Passed
3.	2.3884142GHz	50.24	-2.88	54.00	-3.76	3.00	241.10	Horizontal	Passed
4.	2.4991446GHz	51.92	-2.20	54.00	-2.08	3.50	159.50	Horizontal	Passed

Overall Graphs:





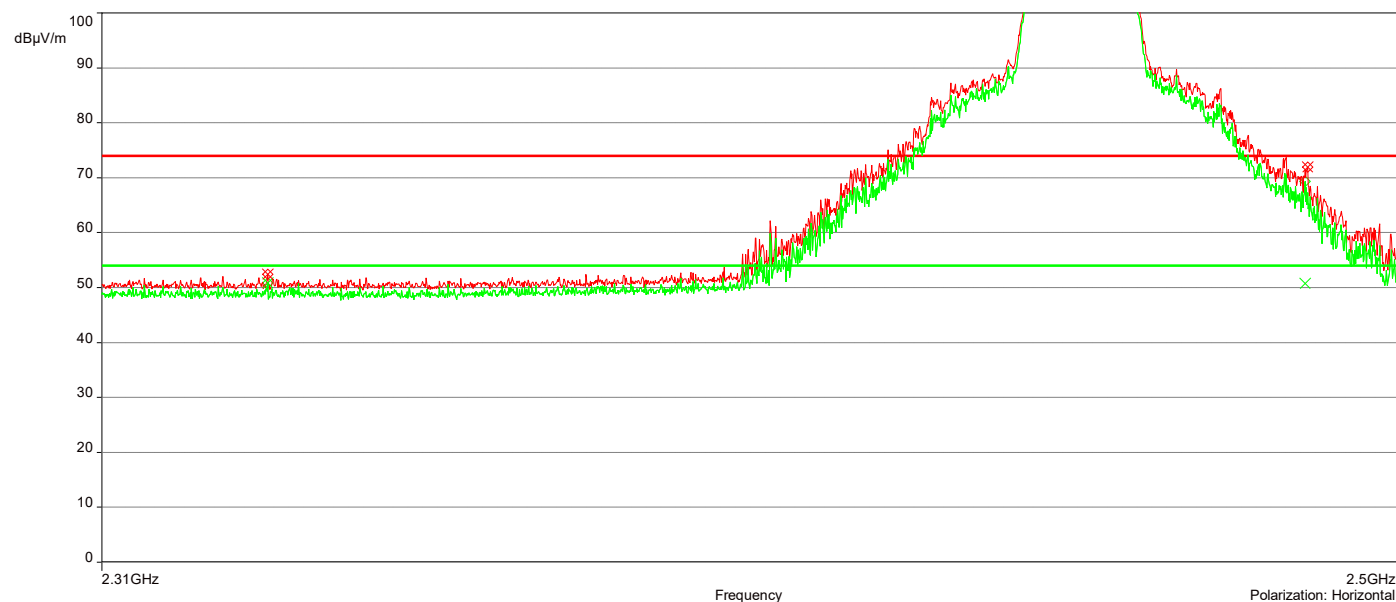
J23220_W300#1_2.4G_Restricted Bandedge_802.11n_MCS0_Ch 9

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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3733967GHz	52.61	-2.91	74.00	-21.39	3.00	111.90	Vertical	Passed
2.	2.486028GHz	72.11	-2.28	74.00	-1.89	1.00	275.70	Vertical	Passed
3.	2.3334767GHz	52.45	-3.27	74.00	-21.55	2.50	119.50	Horizontal	Passed
4.	2.486028GHz	71.99	-2.22	74.00	-2.01	1.00	245.50	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3733967GHz	51.42	-2.91	54.00	-2.58	3.00	111.90	Vertical	Passed
2.	2.4837469GHz	53.75	-2.30	54.00	-0.25	1.00	275.90	Vertical	Passed
3.	2.3334767GHz	50.84	-3.27	54.00	-3.16	2.50	119.50	Horizontal	Passed
4.	2.4856478GHz	50.78	-2.22	54.00	-3.22	1.00	243.10	Horizontal	Passed

Overall Graphs:





J23220_W300#1_2.4G_Restricted Bandedge_802.11n_MCS0_Ch 10

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No	Frequency (MHz)	Level Peak Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgement
1.	2.3887944GHz	48.77	-2.81	74.00	-25.23	1.00	277.70	Vertical	Passed
2.	2.484032GHz	64.64	-2.30	74.00	-9.36	1.00	280.90	Vertical	Passed
3.	2.3584742GHz	48.68	-3.29	74.00	-25.32	2.00	198.30	Horizontal	Passed
4.	2.4838419GHz	68.15	-2.22	74.00	-5.85	2.00	249.10	Horizontal	Passed

No	Frequency (MHz)	Level Average Reading (dBμV/m)	Correction Factor (dB)	Limit dBμV/m	Margin (dB)	Height (m)	Angle (°)	Polarization	Judgment
1.	2.3887944GHz	47.49	-2.81	54.0074.00	-6.51	1.00	277.70	Vertical	Passed
2.	2.484032GHz	46.68	-2.30	54.0074.00	-7.32	1.00	280.90	Vertical	Passed
3.	2.3584742GHz	47.78	-3.29	54.0074.00	-6.22	2.00	198.30	Horizontal	Passed
4.	2.4838419GHz	47.32	-2.22	54.0074.00	-6.68	2.00	249.10	Horizontal	Passed

Overall Graphs:

