

Appendix A: Test Results of 2.4GHz Wi-Fi

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Appendix A.1: Test Results of 6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW (MHz)	limit (kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.14	500	Pass
NVNT	ANT1	802.11b	2437.00	10.13	500	Pass
NVNT	ANT1	802.11b	2462.00	10.13	500	Pass
NVNT	ANT1	802.11g	2412.00	16.58	500	Pass
NVNT	ANT1	802.11g	2437.00	16.62	500	Pass
NVNT	ANT1	802.11g	2462.00	16.60	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	17.59	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	17.61	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	17.70	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	36.26	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	36.34	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	36.21	500	Pass

-6dB Bandwidth NVNT ANT1_802_11b_2412



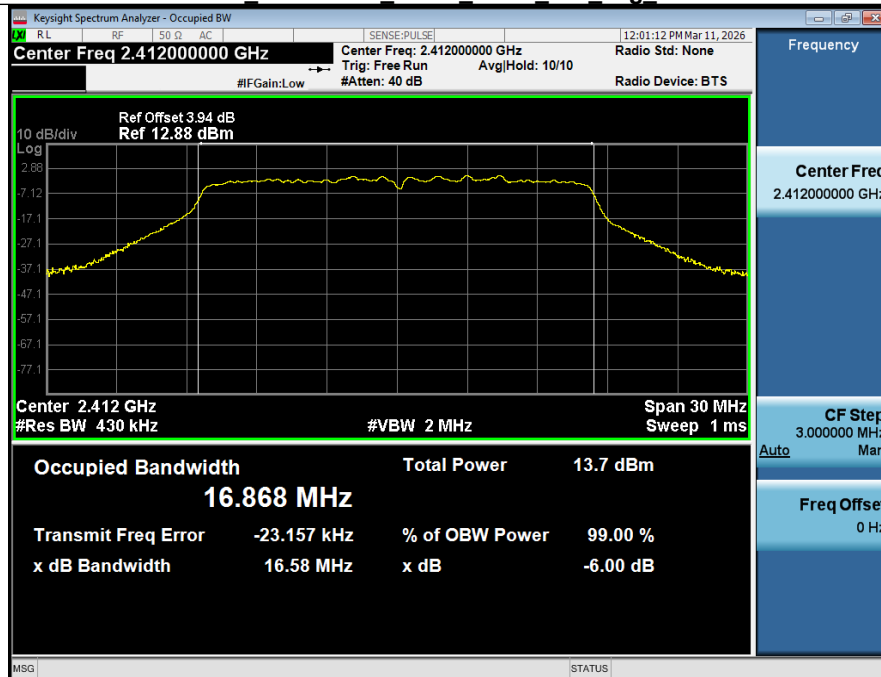
-6dB Bandwidth NVNT ANT1_802_11b_2437

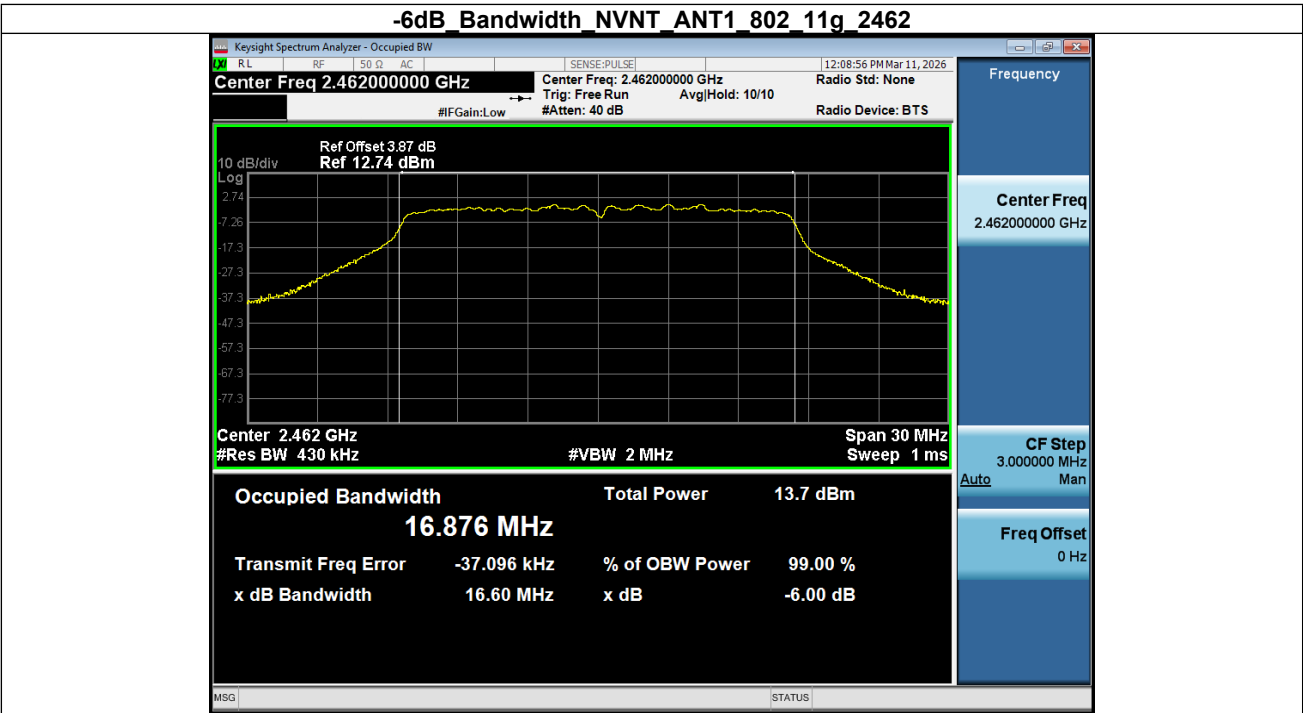
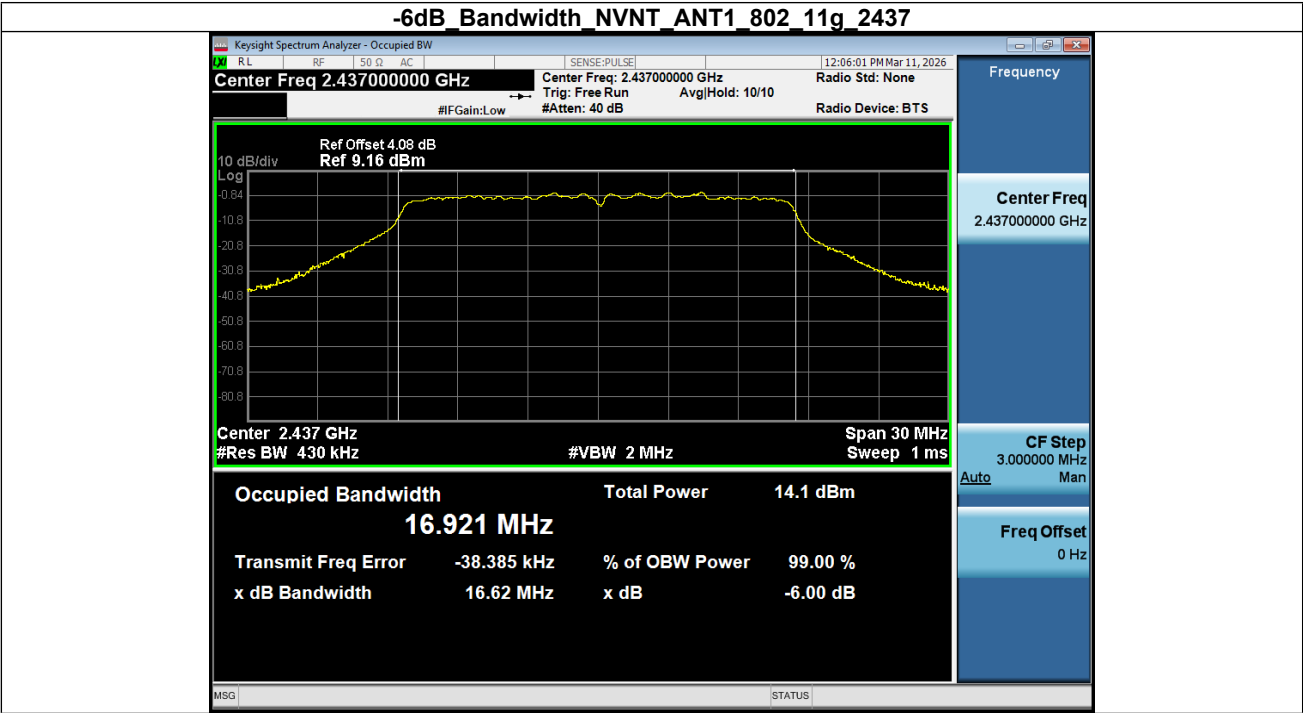


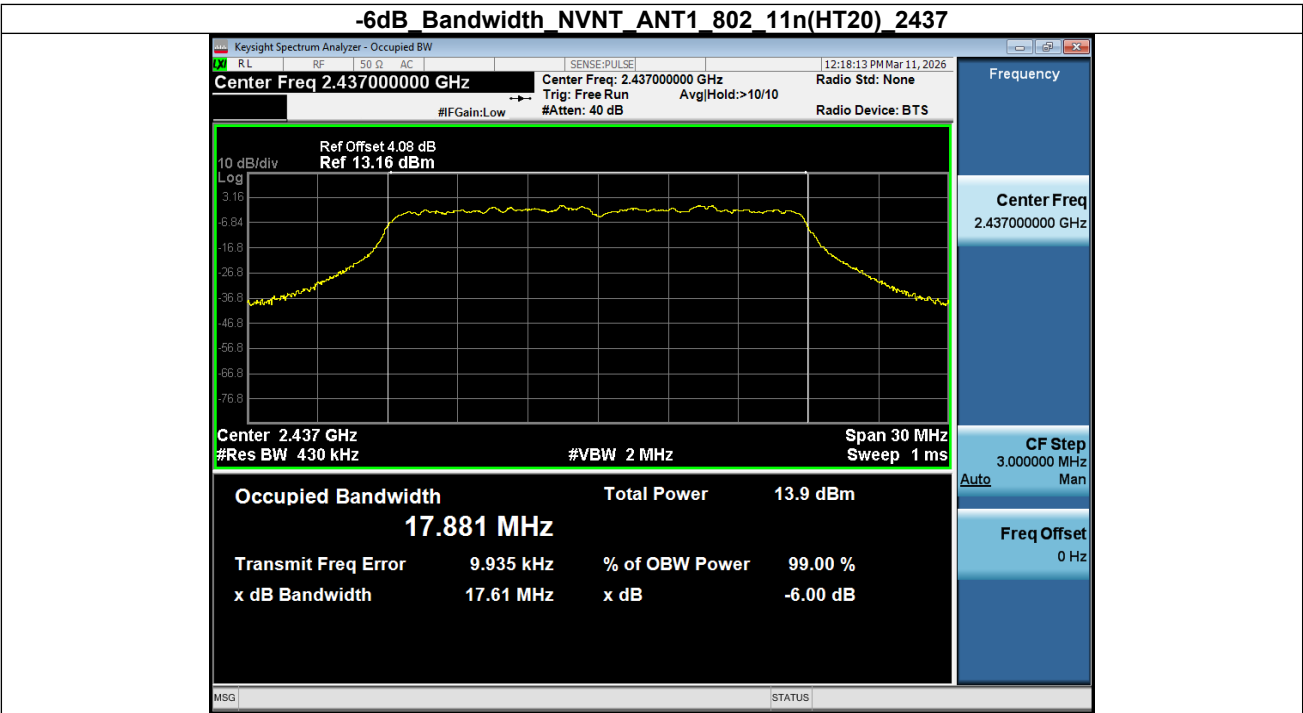
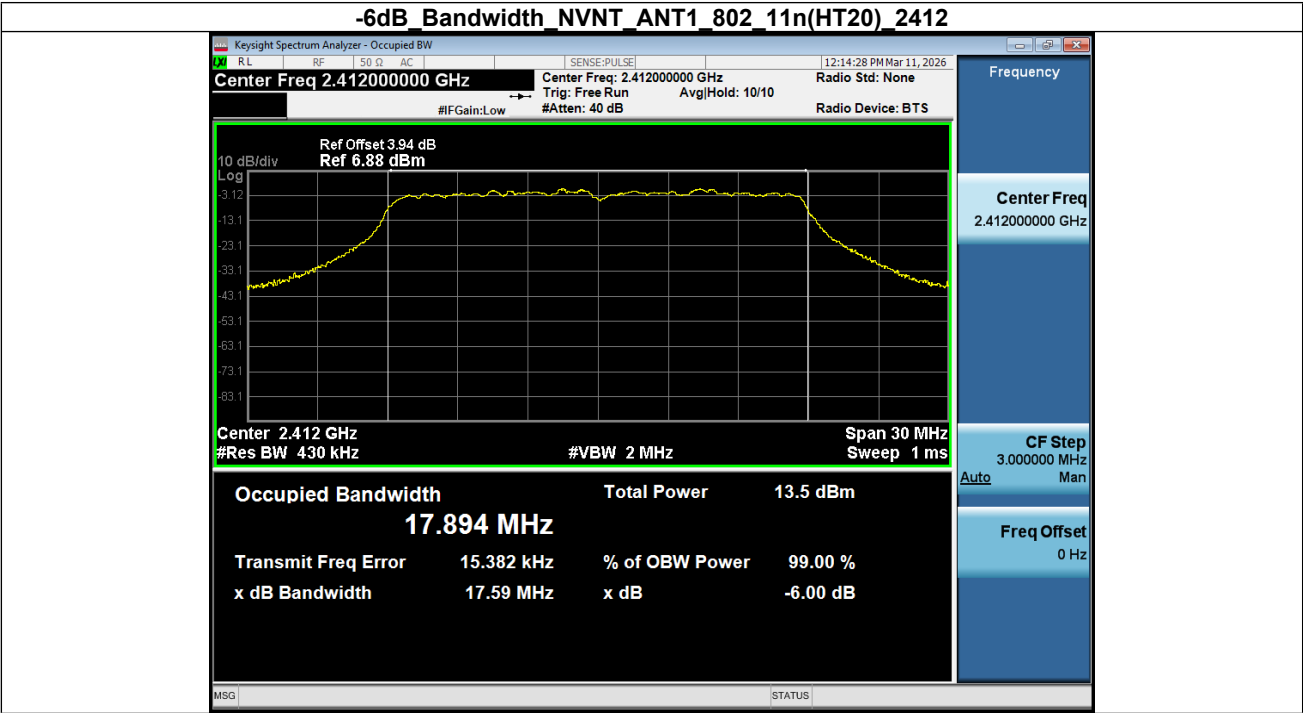
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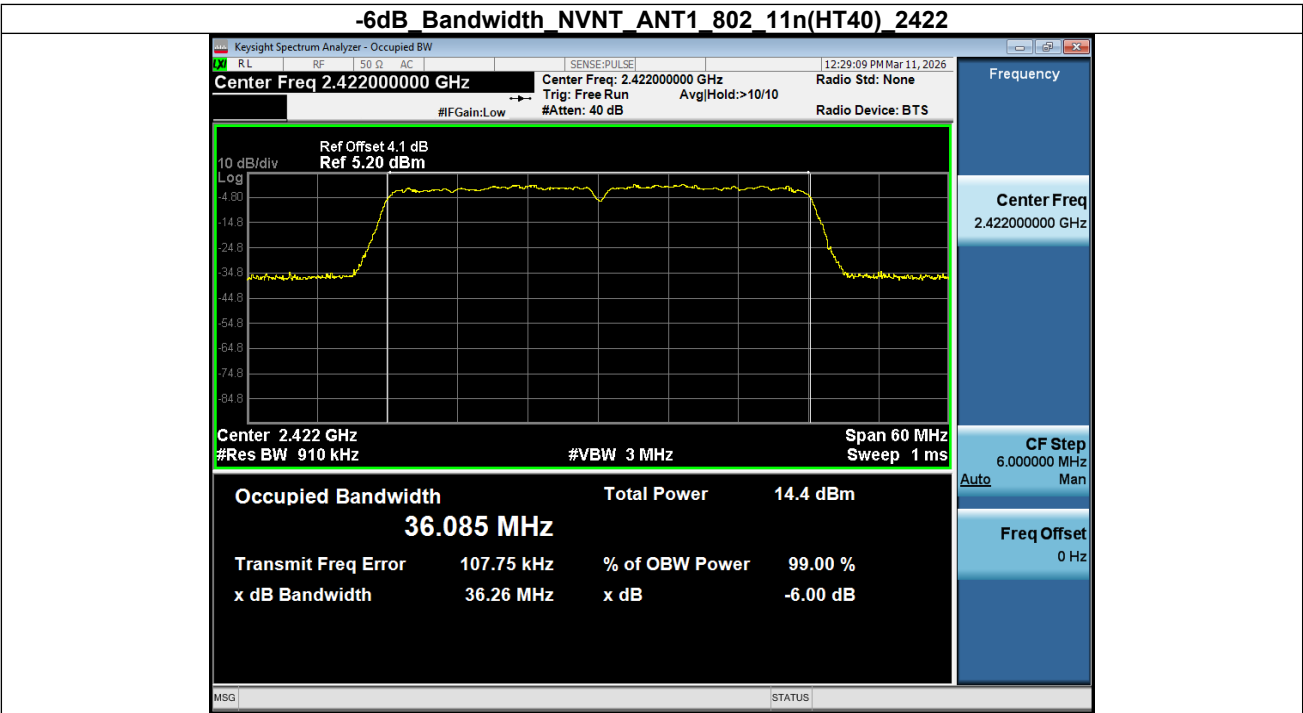
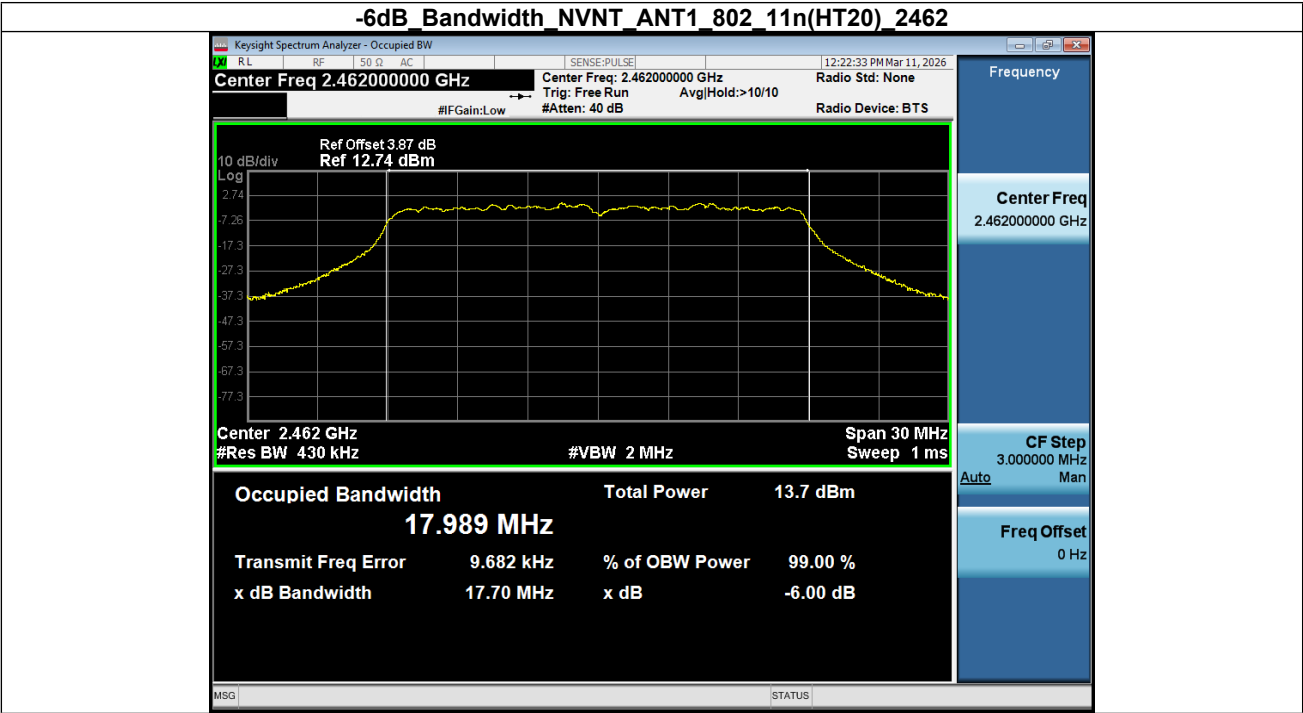


-6dB Bandwidth NVNT ANT1_802_11g_2412

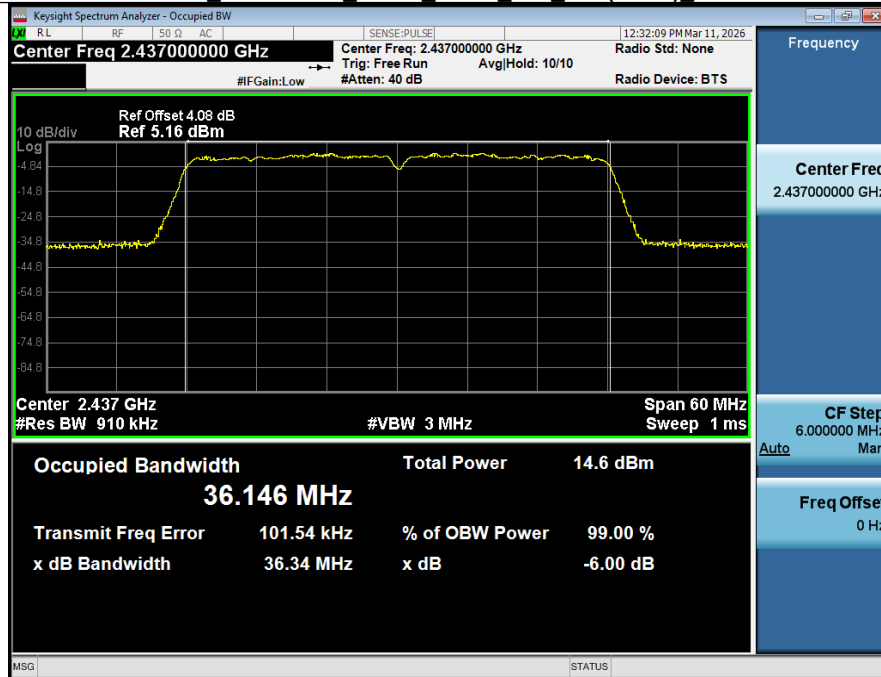




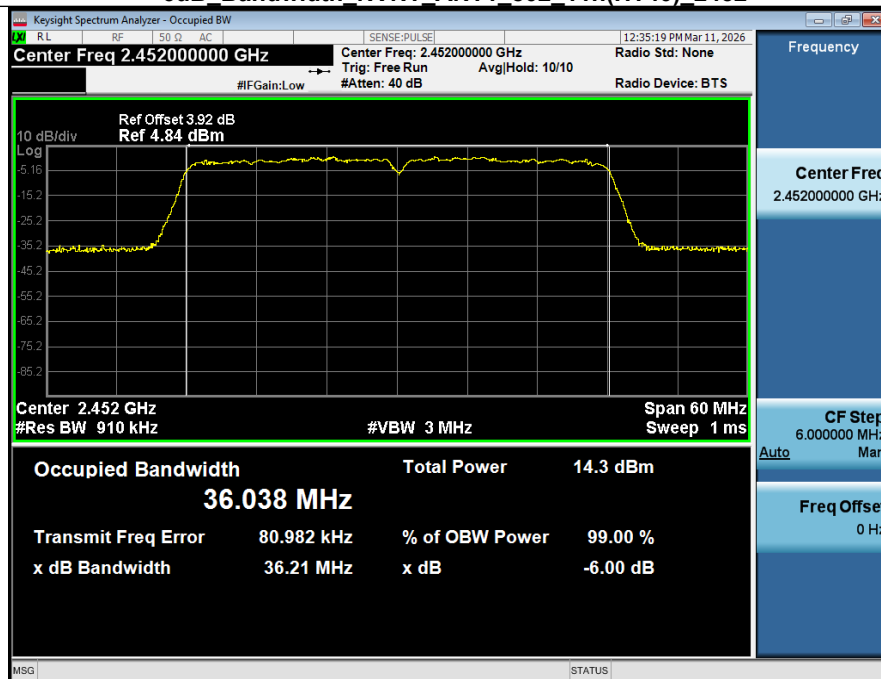




-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2437



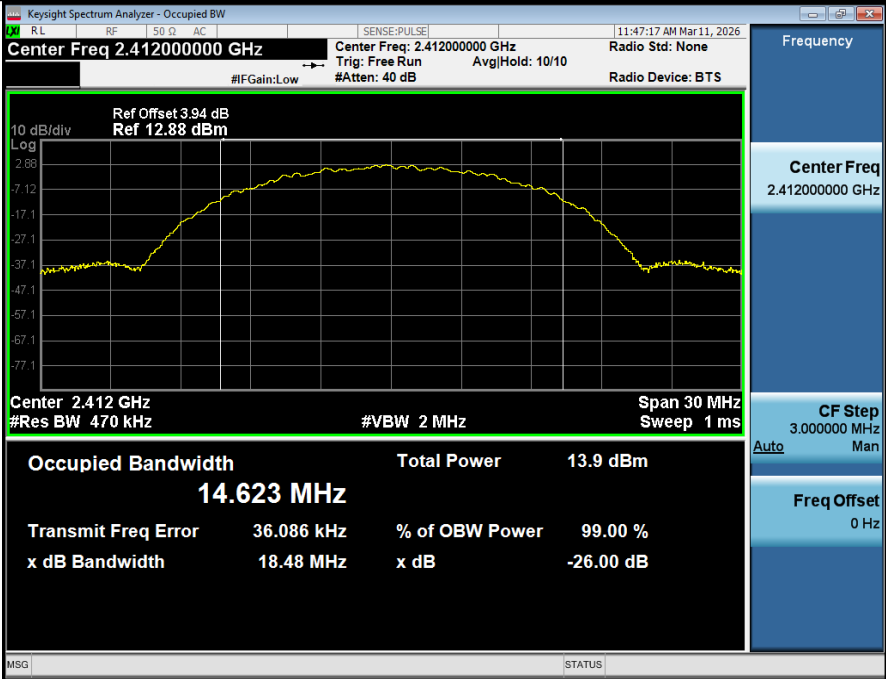
-6dB Bandwidth NVNT_ANT1_802_11n(HT40)_2452



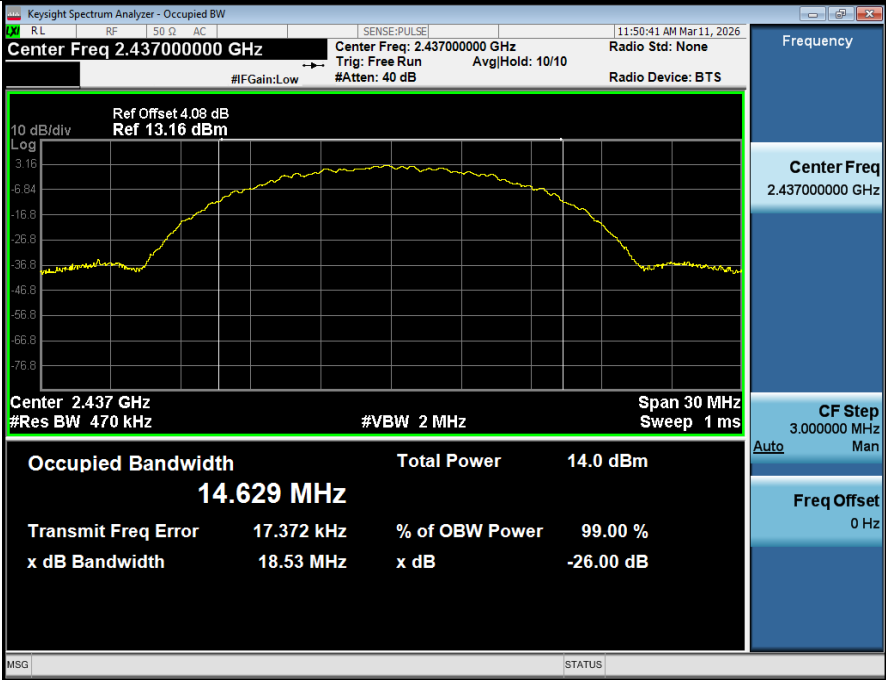
Appendix A.2: Test Results of 99% Bandwidth

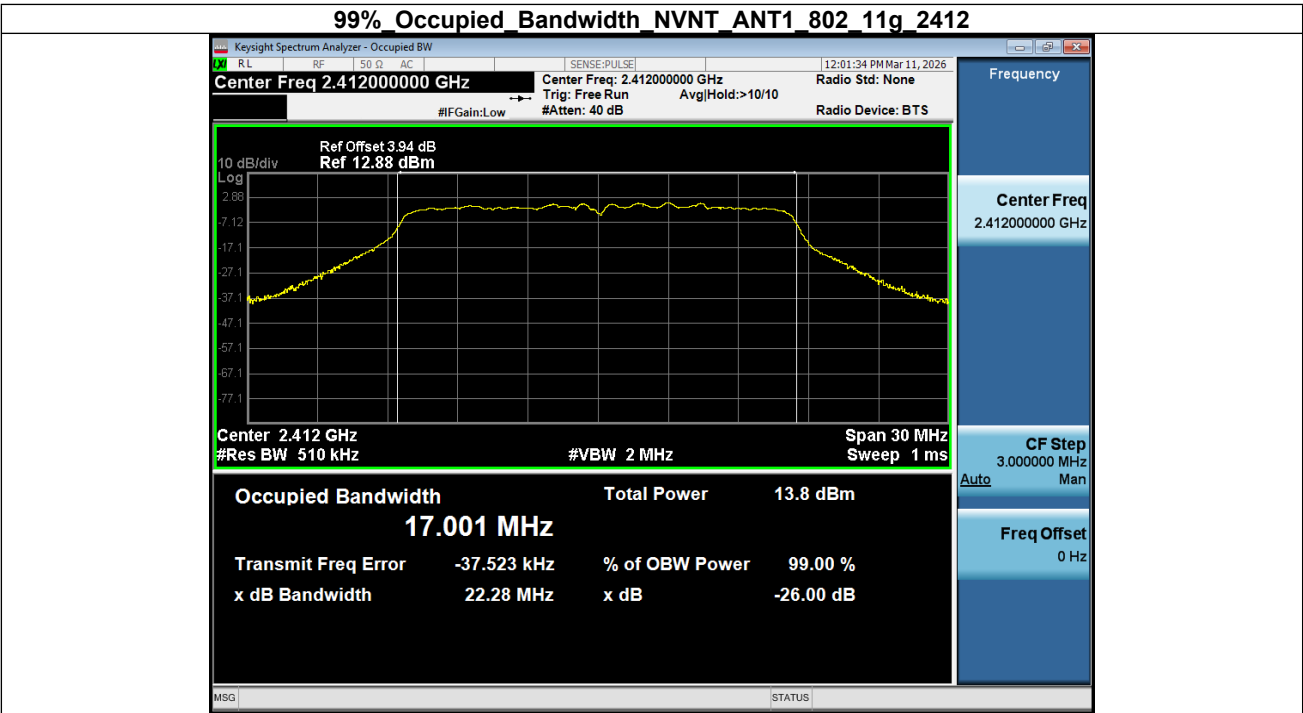
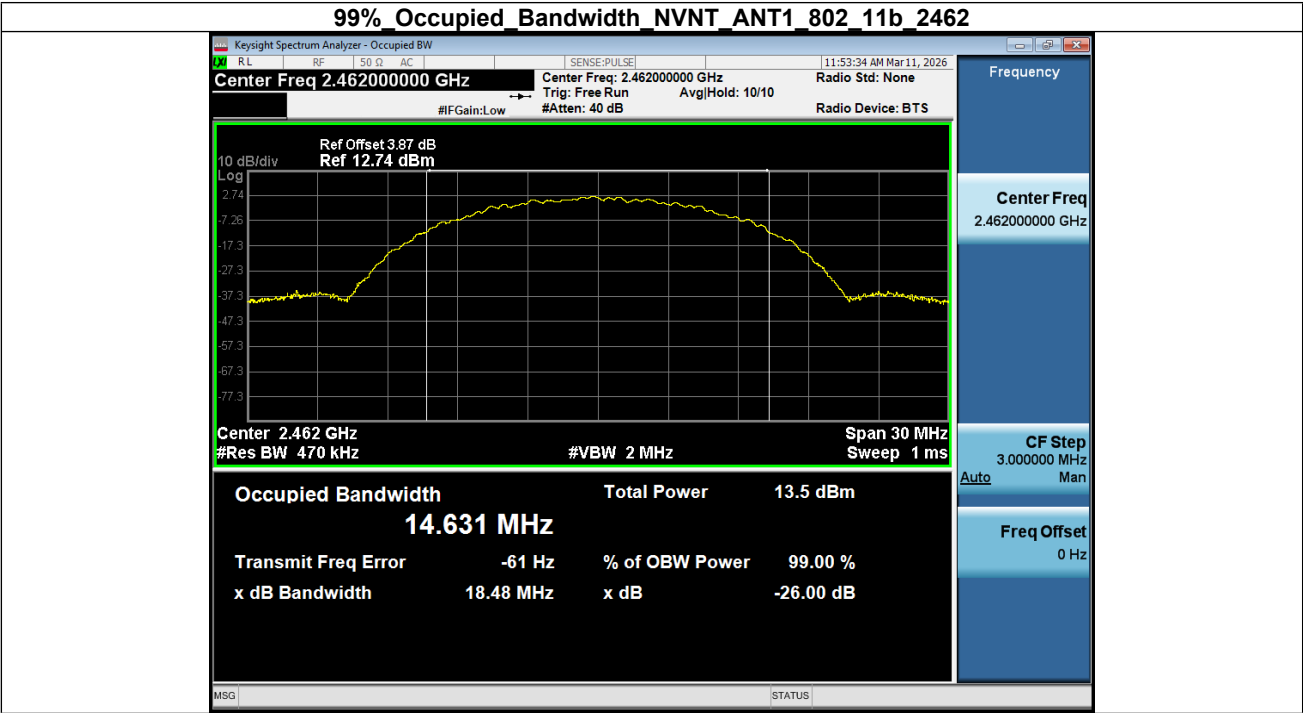
Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	14.623
NVNT	ANT1	802.11b	2437.00	14.629
NVNT	ANT1	802.11b	2462.00	14.631
NVNT	ANT1	802.11g	2412.00	17.001
NVNT	ANT1	802.11g	2437.00	17.063
NVNT	ANT1	802.11g	2462.00	17.012
NVNT	ANT1	802.11n(HT20)	2412.00	17.984
NVNT	ANT1	802.11n(HT20)	2437.00	17.982
NVNT	ANT1	802.11n(HT20)	2462.00	18.103
NVNT	ANT1	802.11n(HT40)	2422.00	36.103
NVNT	ANT1	802.11n(HT40)	2437.00	36.147
NVNT	ANT1	802.11n(HT40)	2452.00	36.040

99% Occupied Bandwidth NVNT ANT1 802 11b 2412

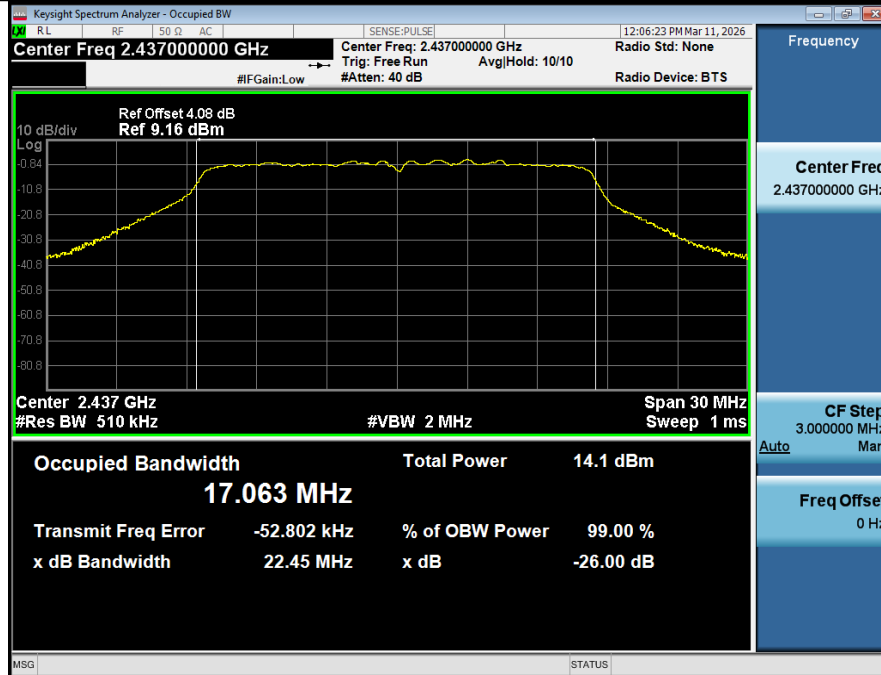


99% Occupied Bandwidth NVNT ANT1 802 11b 2437

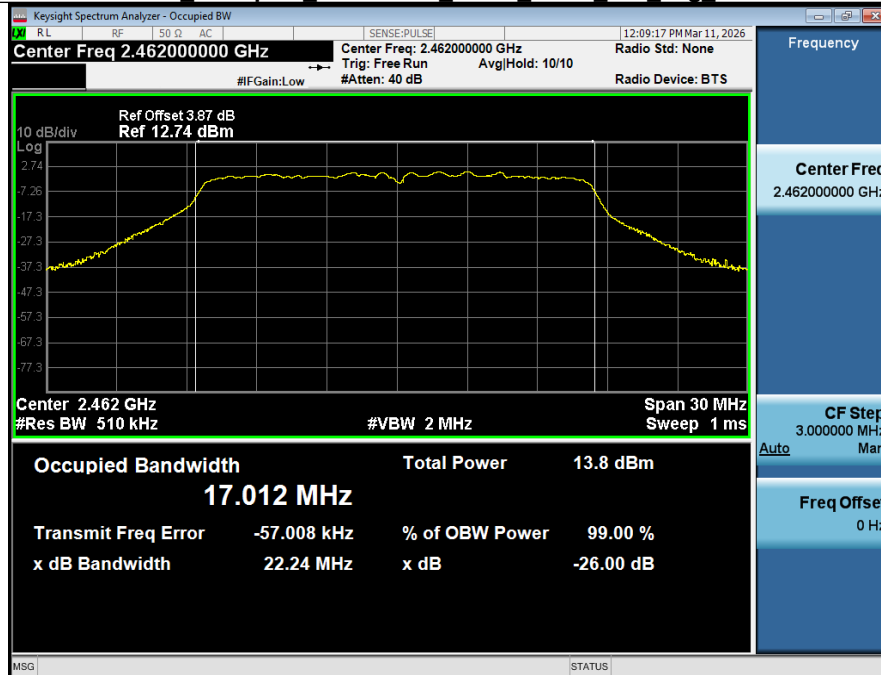




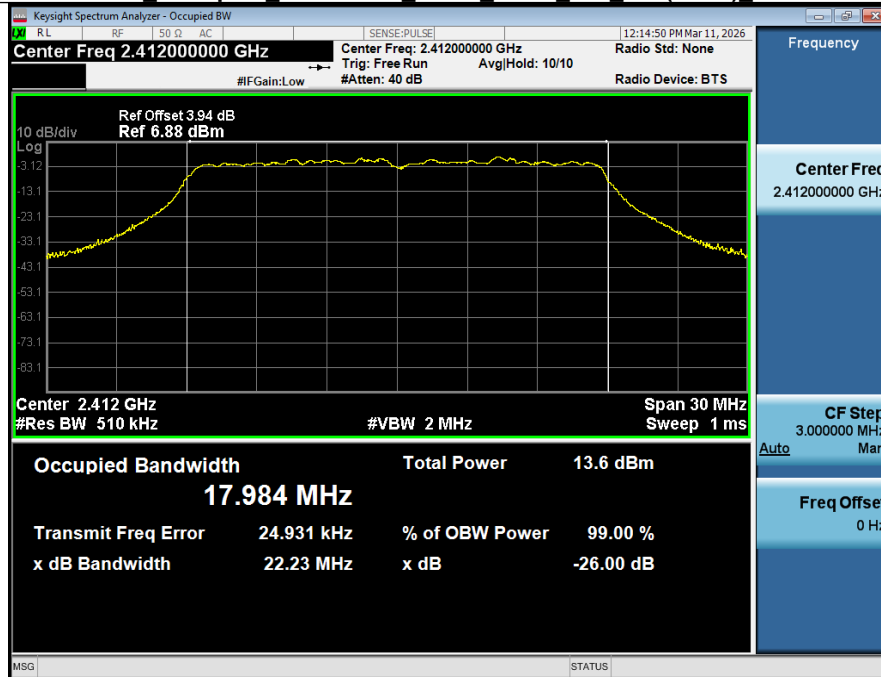
99% Occupied Bandwidth NVNT ANT1 802_11g 2437



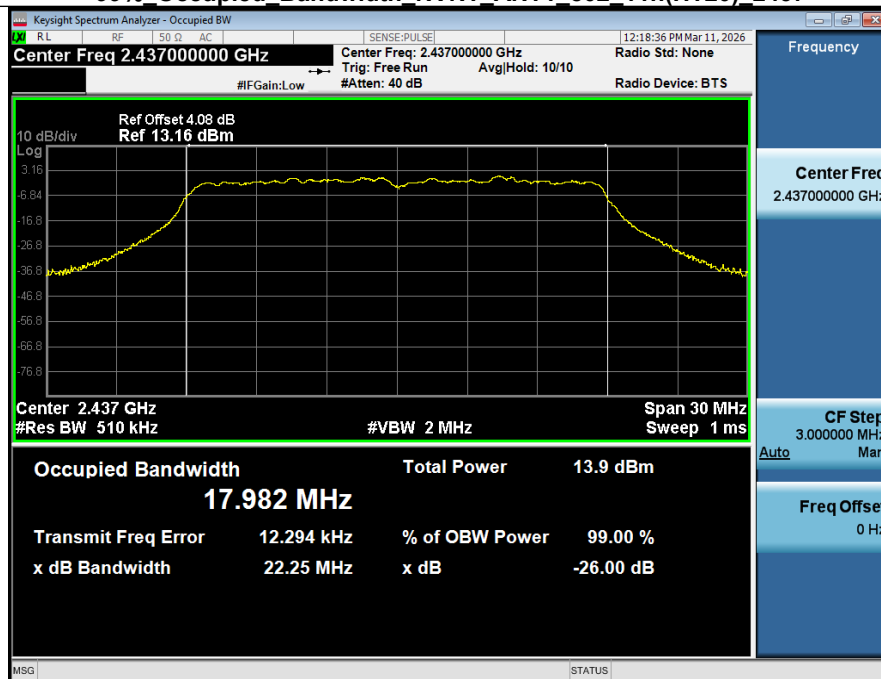
99% Occupied Bandwidth NVNT ANT1 802_11g 2462



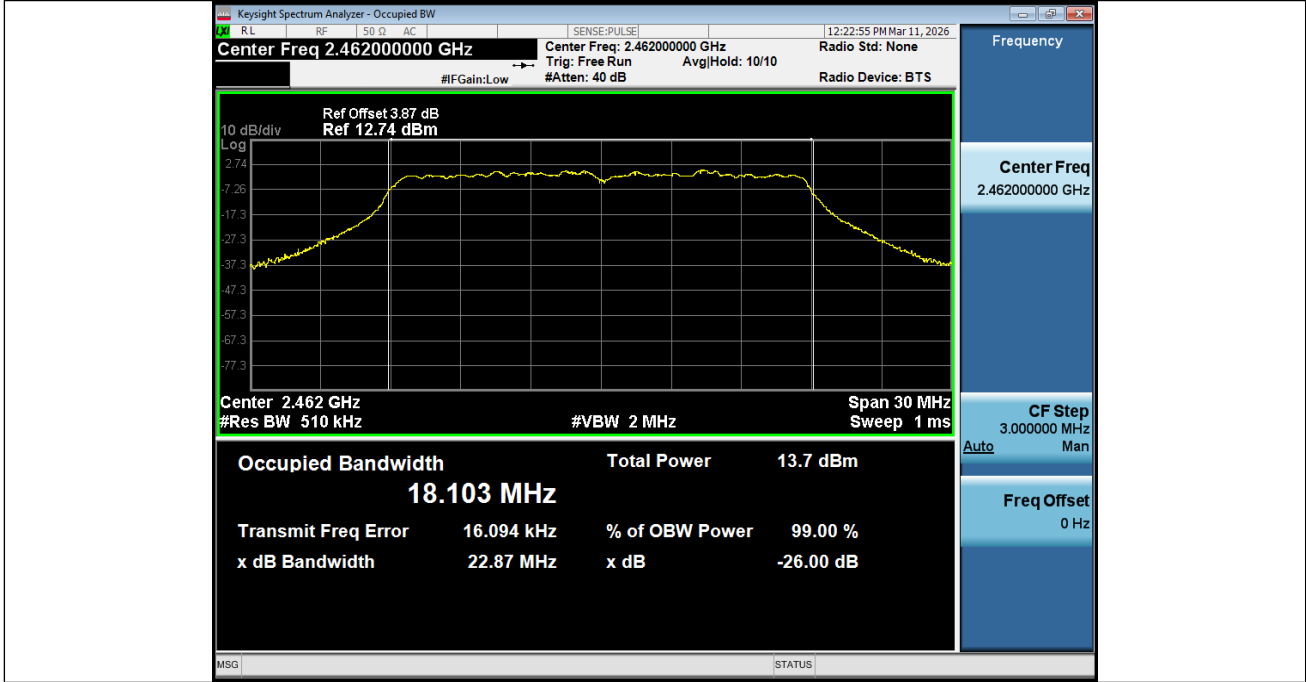
99% Occupied Bandwidth NVNT ANT1 802 11n(HT20) 2412



99% Occupied Bandwidth NVNT ANT1 802 11n(HT20) 2437

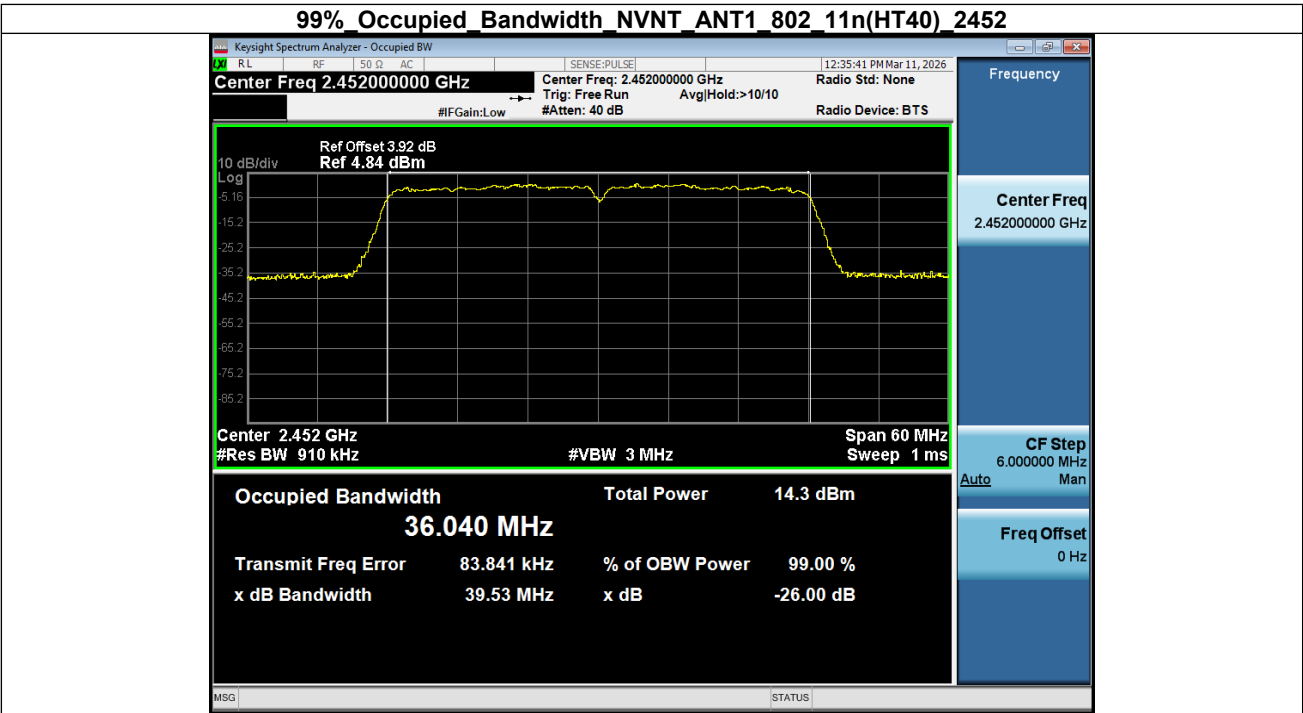
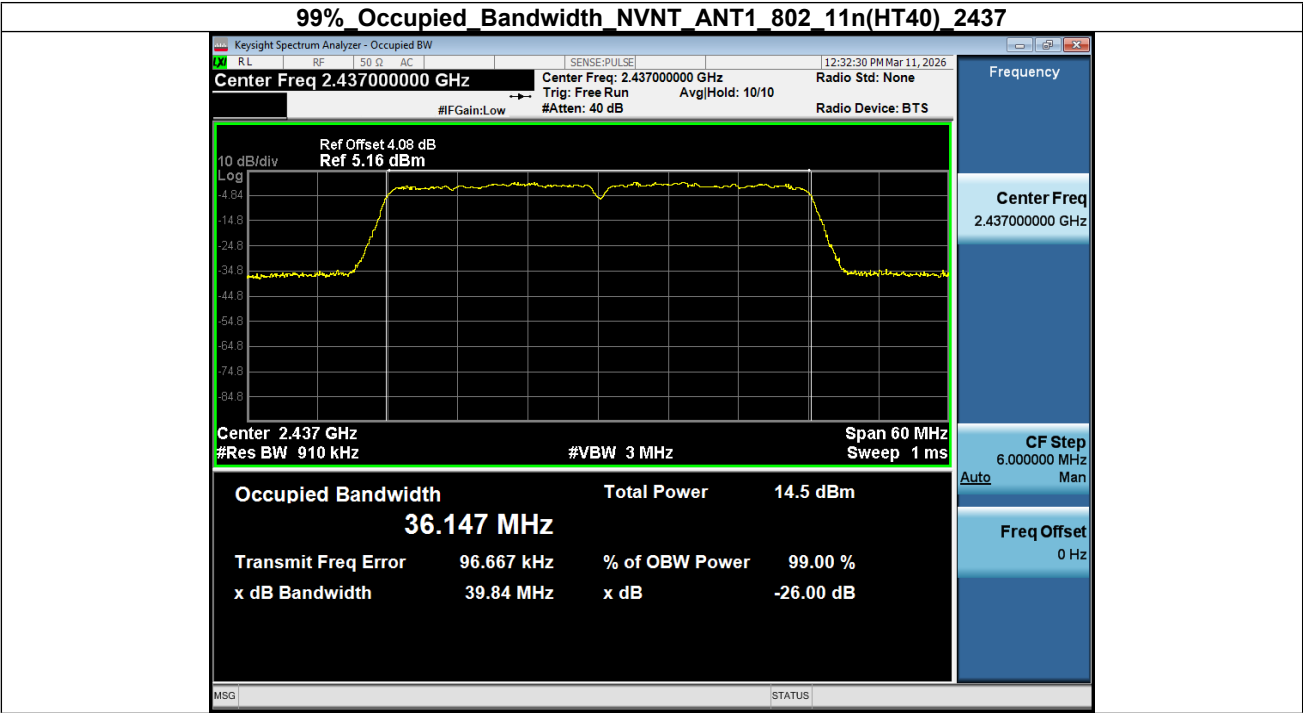


99% Occupied Bandwidth NVNT ANT1 802 11n(HT20) 2462



99% Occupied Bandwidth NVNT ANT1 802 11n(HT40) 2422





Appendix A.3: Test Results of Maximum Peak Conducted Output Power

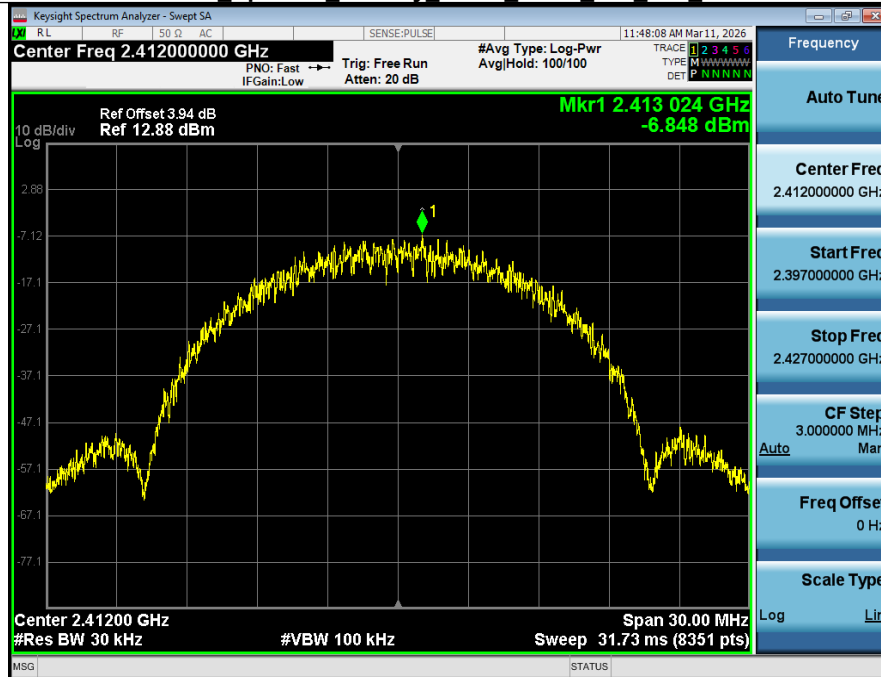
Condition	Antenna	Modulation	Frequency (MHz)	Detector	Conducted Power (dBm)	Duty factor (dB)	Total Power (dBm)	limit (dBm)	Result
NVNT	ANT1	802.11b	2412.00	Peak	13.74	N/A	13.74	30	Pass
NVNT	ANT1	802.11b	2437.00	Peak	13.86	N/A	13.86	30	Pass
NVNT	ANT1	802.11b	2462.00	Peak	13.42	N/A	13.42	30	Pass
NVNT	ANT1	802.11g	2412.00	Peak	13.62	N/A	13.62	30	Pass
NVNT	ANT1	802.11g	2437.00	Peak	13.99	N/A	13.99	30	Pass
NVNT	ANT1	802.11g	2462.00	Peak	13.67	N/A	13.67	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	Peak	13.30	N/A	13.30	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	Peak	13.75	N/A	13.75	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	Peak	13.48	N/A	13.48	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	Peak	13.66	N/A	13.66	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	Peak	13.80	N/A	13.80	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	Peak	13.56	N/A	13.56	30	Pass

Max. e.i.r.p.=13.99dBm+1.22dBi=15.21dBm, which is less than 36dBm=4W.

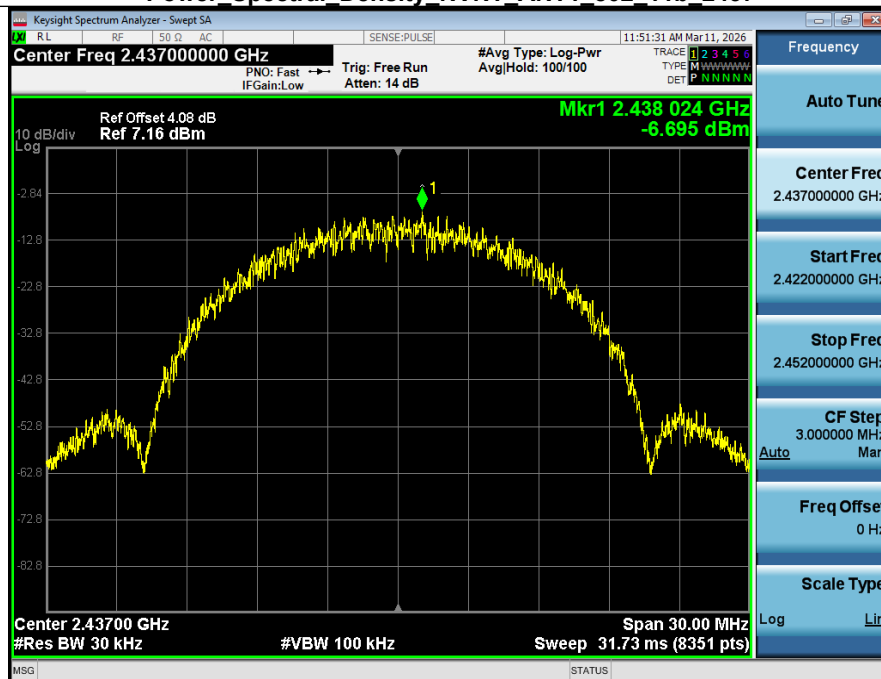
Appendix A.4: Test Results of Conducted Power Spectral Density

Condition	Antenna	Modulation	Frequency (MHz)	SA_PSD (dBm/30kHz)	Duty factor (dB)	RB factor (dB)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-6.85	N/A	-10.00	-16.85	8	Pass
NVNT	ANT1	802.11b	2437.00	-6.70	N/A	-10.00	-16.70	8	Pass
NVNT	ANT1	802.11b	2462.00	-7.06	N/A	-10.00	-17.06	8	Pass
NVNT	ANT1	802.11g	2412.00	-10.06	N/A	-10.00	-20.06	8	Pass
NVNT	ANT1	802.11g	2437.00	-9.69	N/A	-10.00	-19.69	8	Pass
NVNT	ANT1	802.11g	2462.00	-9.96	N/A	-10.00	-19.96	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-10.73	N/A	-10.00	-20.73	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-10.32	N/A	-10.00	-20.32	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-10.66	N/A	-10.00	-20.66	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-13.27	N/A	-10.00	-23.27	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-12.80	N/A	-10.00	-22.80	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-13.30	N/A	-10.00	-23.30	8	Pass

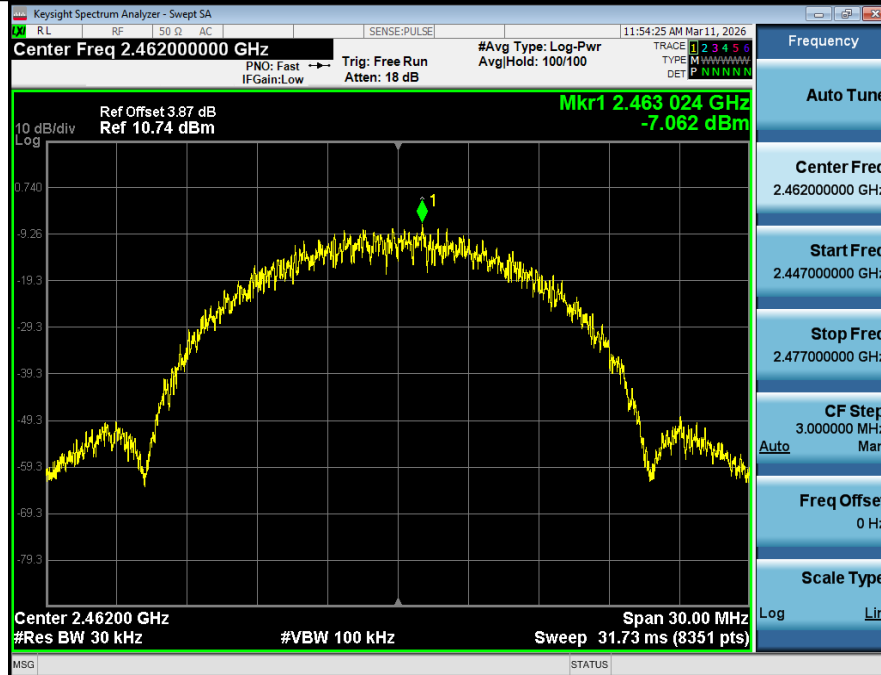
Power Spectral Density NVNT ANT1_802_11b_2412



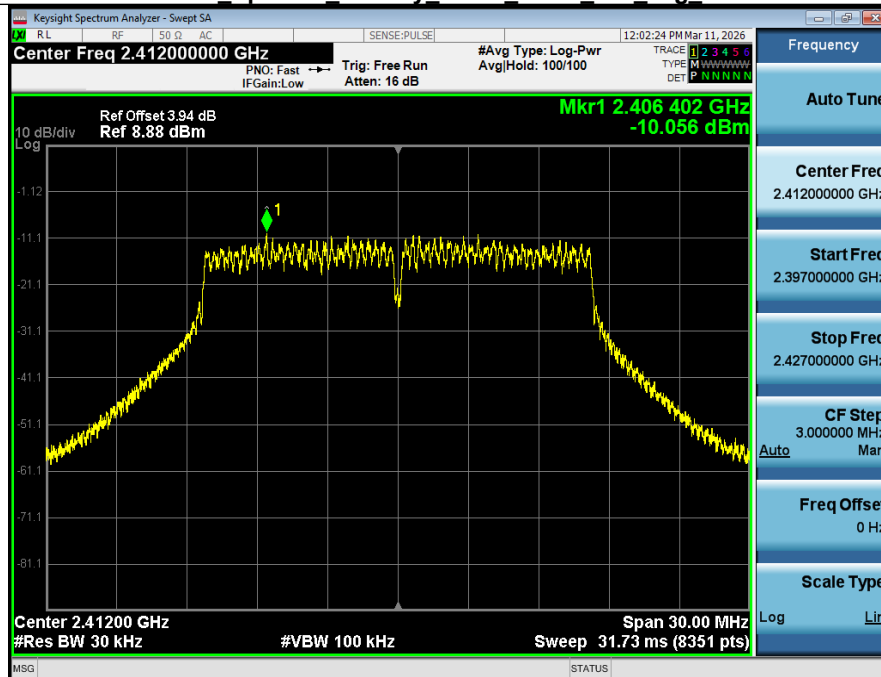
Power Spectral Density NVNT ANT1_802_11b_2437



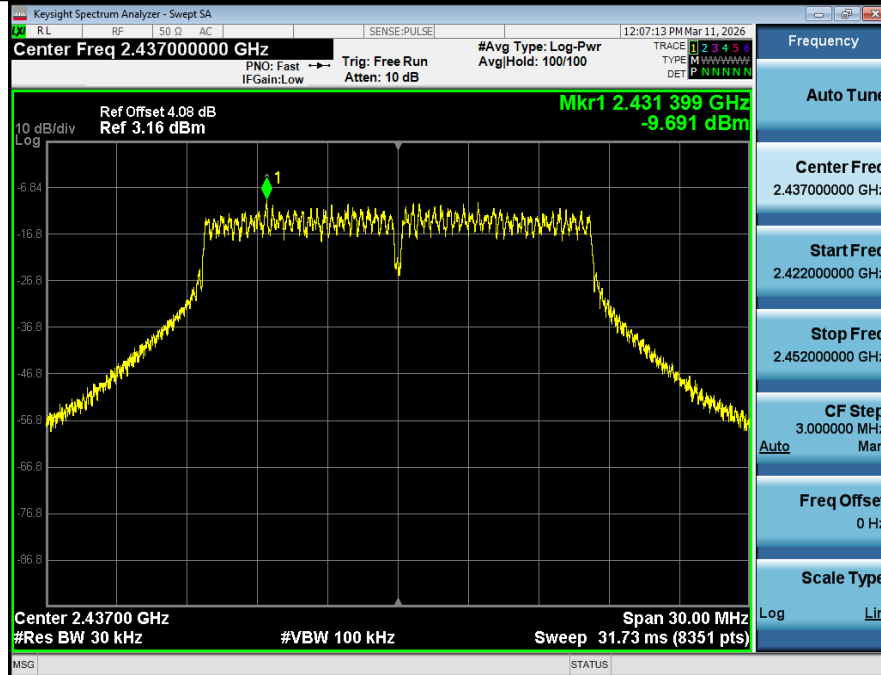
Power Spectral Density NVNT ANT1_802_11b_2462



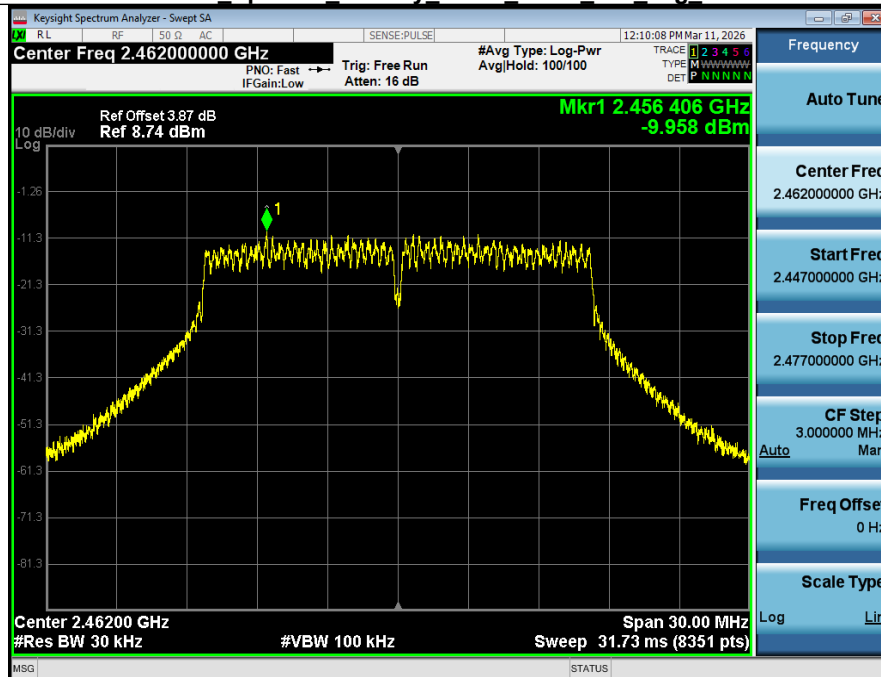
Power Spectral Density NVNT ANT1_802_11g_2412



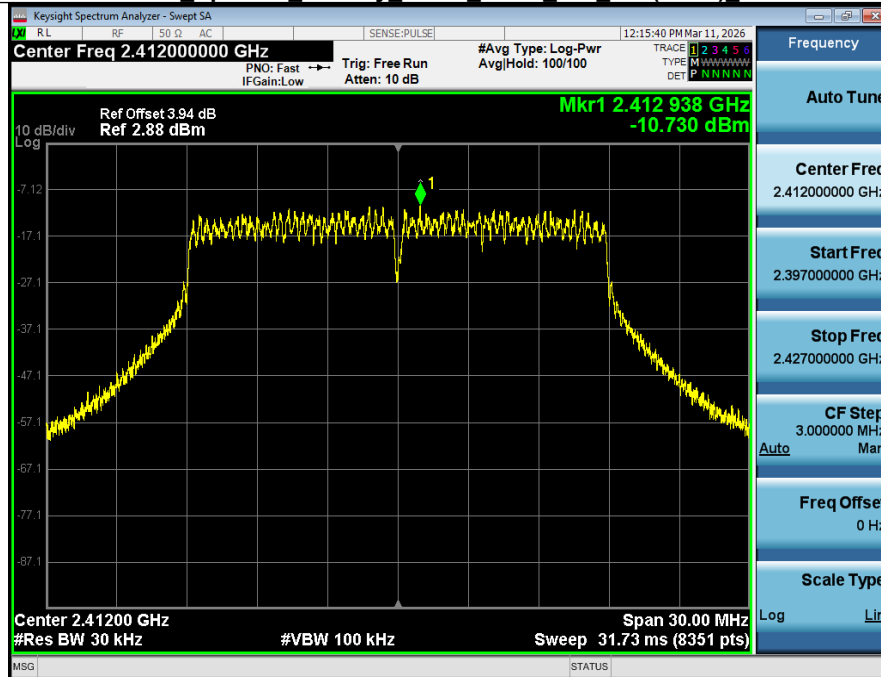
Power Spectral Density NVNT ANT1_802_11g_2437



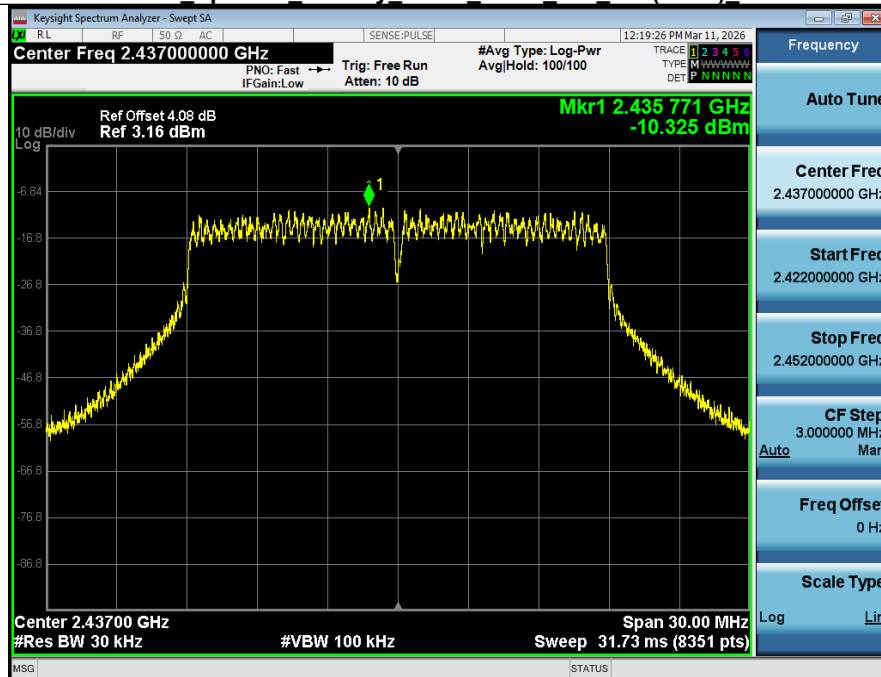
Power Spectral Density NVNT ANT1_802_11g_2462



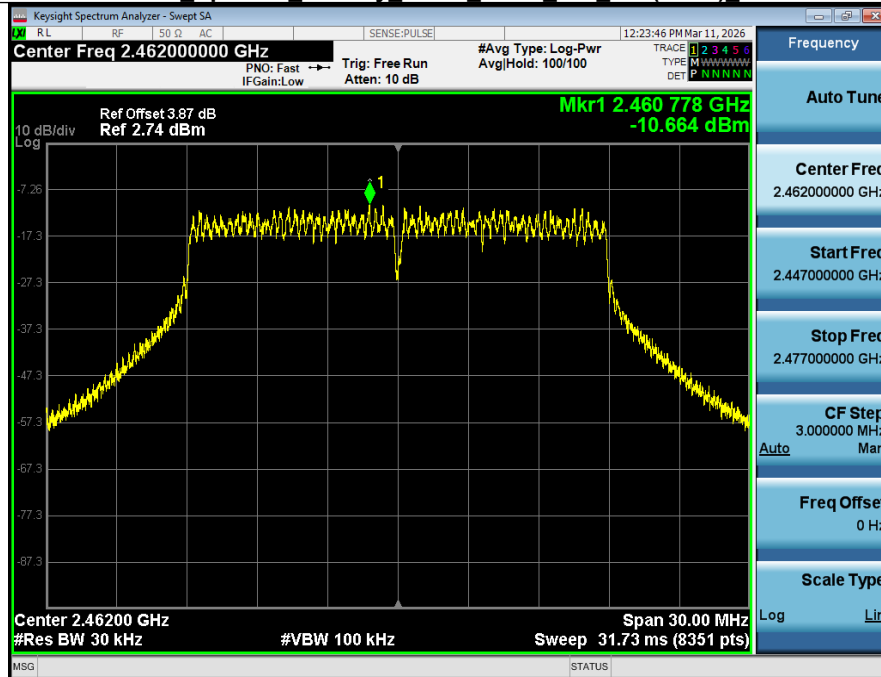
Power Spectral Density NVNT ANT1 802 11n(HT20) 2412



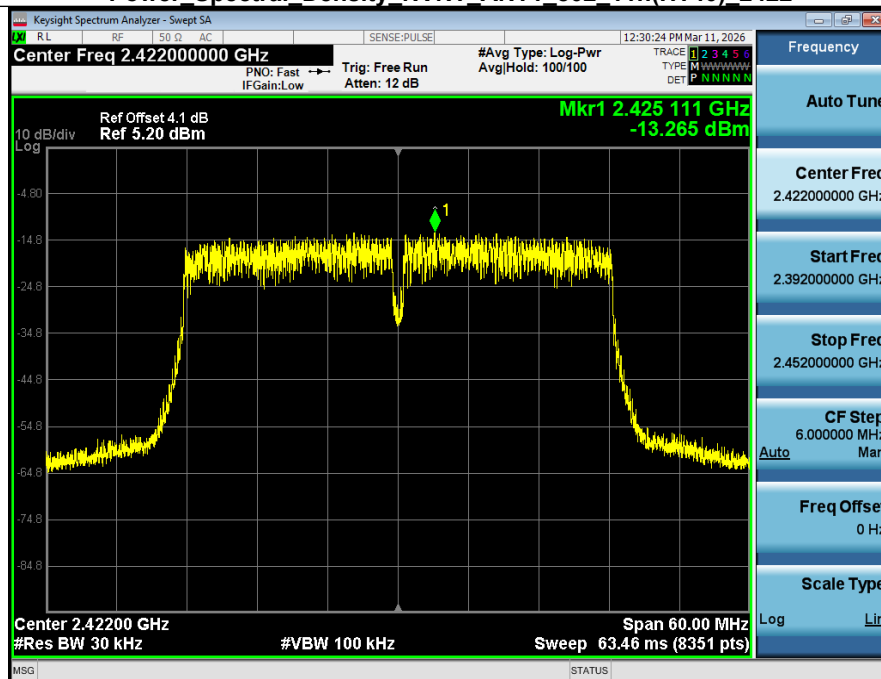
Power Spectral Density NVNT ANT1 802 11n(HT20) 2437

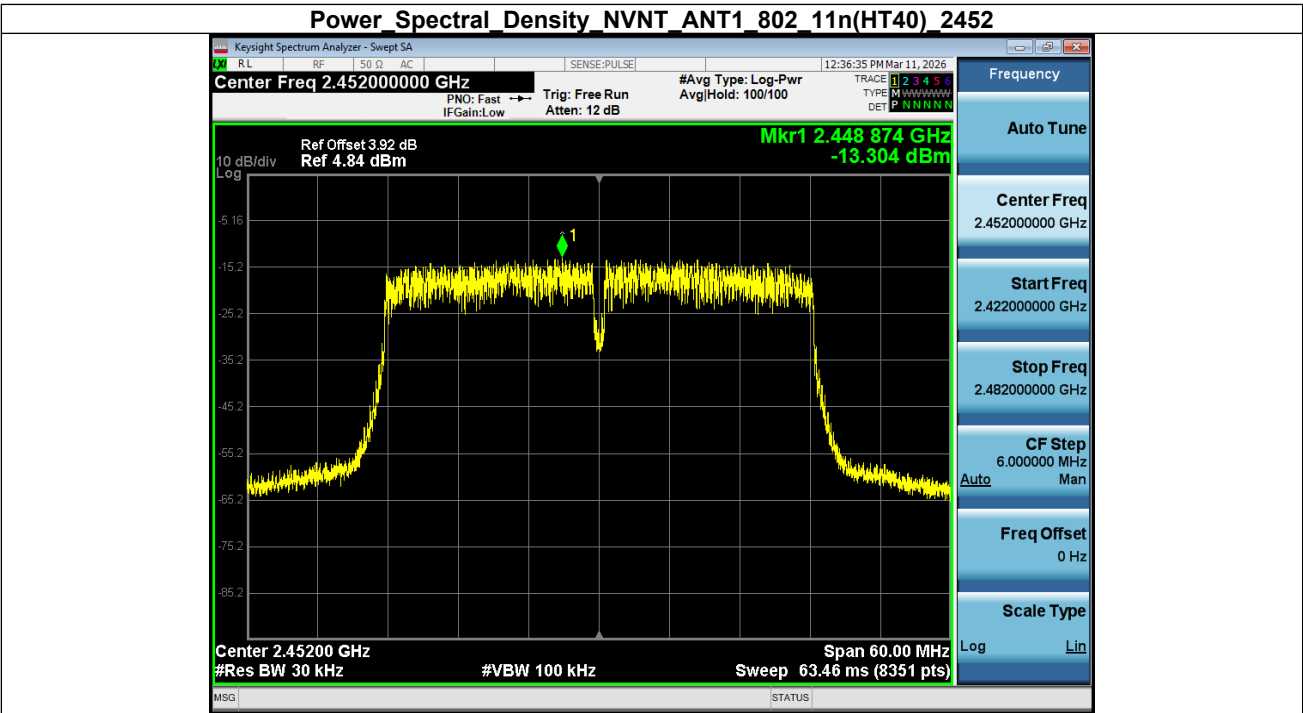
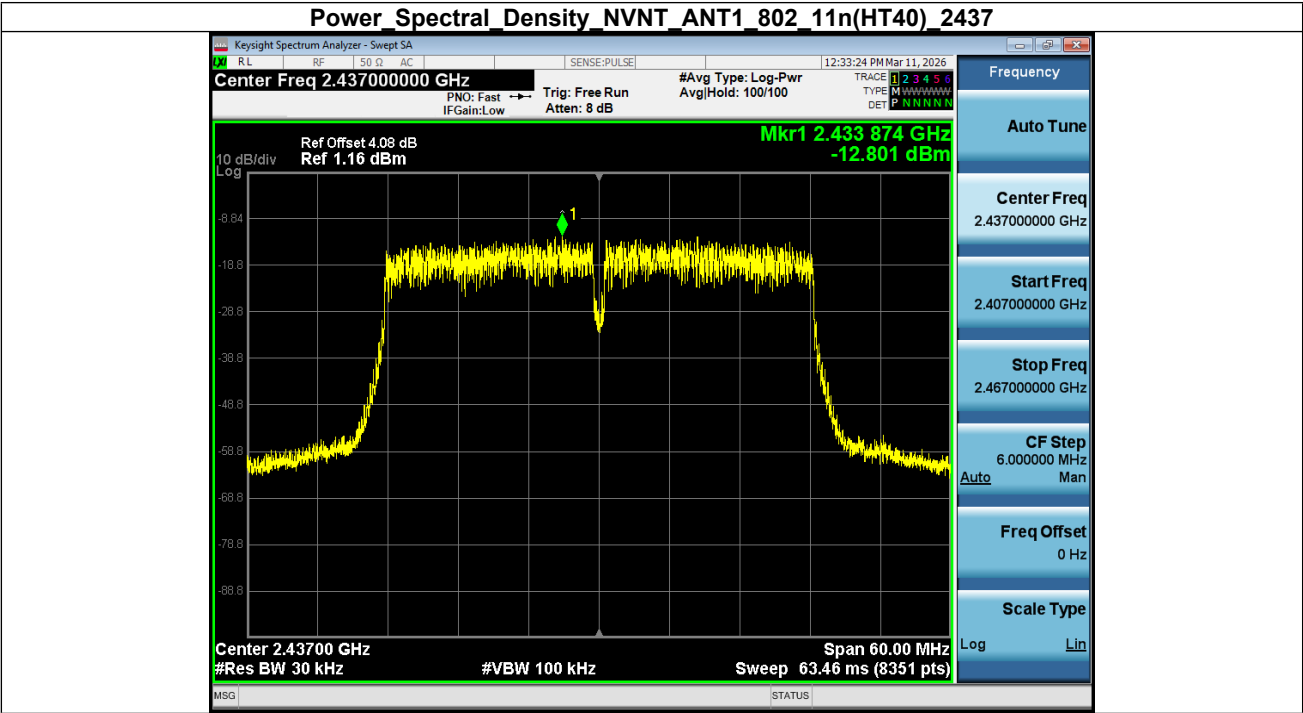


Power Spectral Density NVNT ANT1 802 11n(HT20) 2462



Power Spectral Density NVNT ANT1 802 11n(HT40) 2422

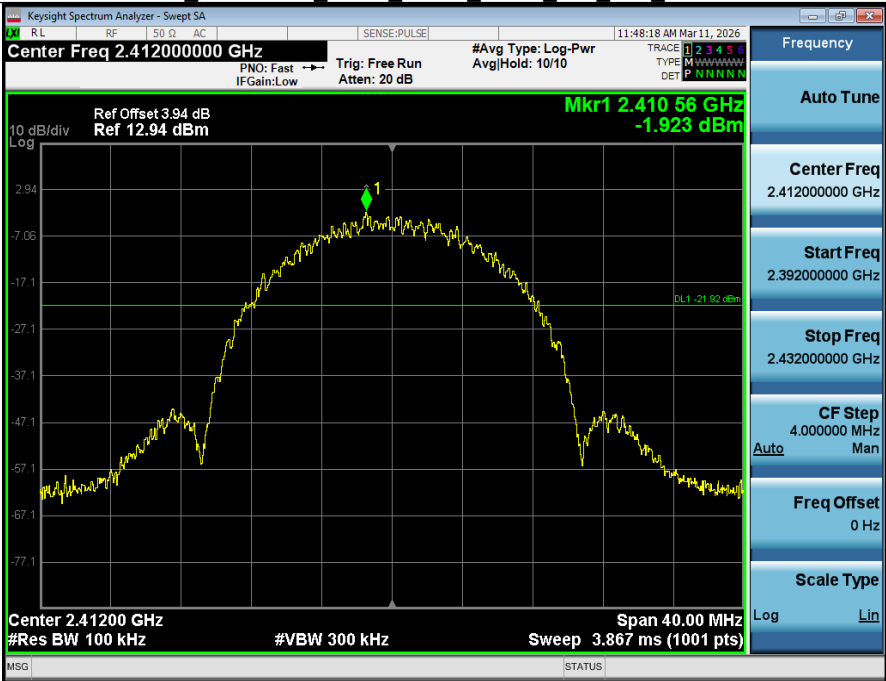




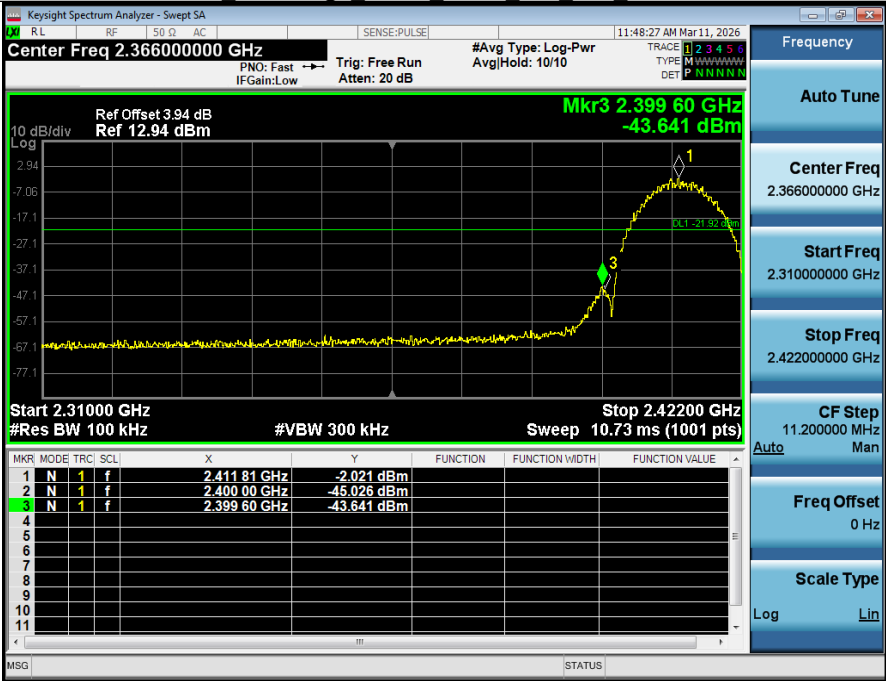
Appendix A.5: Test Results of Band Edge Measurements

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq (MHz)	Ref_level (dBm)	Spurious level (dBm)	limit (dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.600	-1.923	-43.641	-21.923	Pass
NVNT	ANT1	802.11b	2462.00	2492.992	-2.092	-58.403	-22.092	Pass
NVNT	ANT1	802.11g	2412.00	2399.936	-6.184	-41.921	-26.184	Pass
NVNT	ANT1	802.11g	2462.00	2484.640	-6.187	-56.638	-26.187	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.936	-7.142	-43.384	-27.142	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2485.600	-6.905	-56.018	-26.905	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.232	-9.631	-52.504	-29.631	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2485.176	-9.674	-57.084	-29.674	Pass

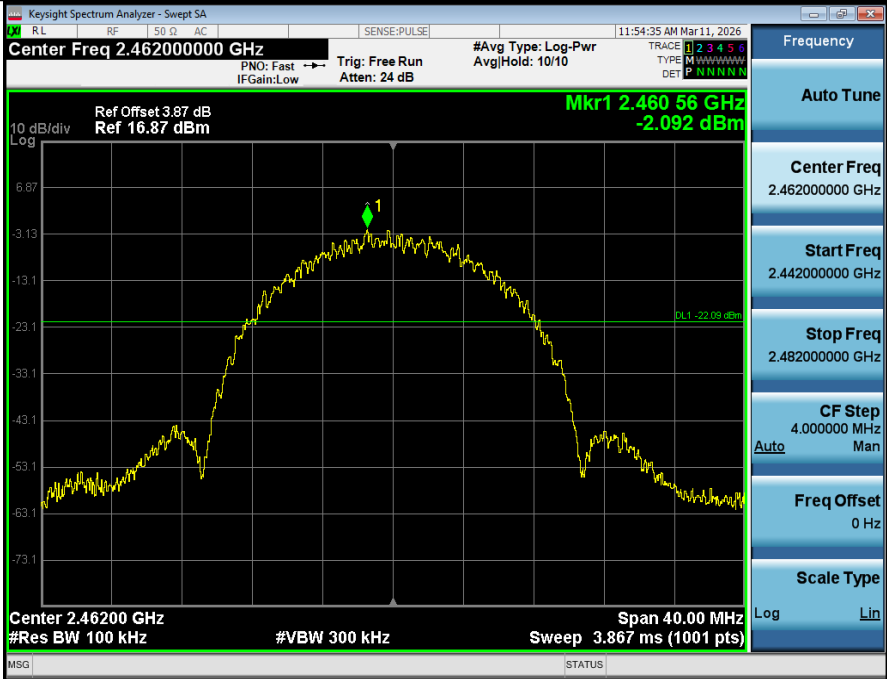
1 Reference Level NVNT ANT1 802 11b 2412



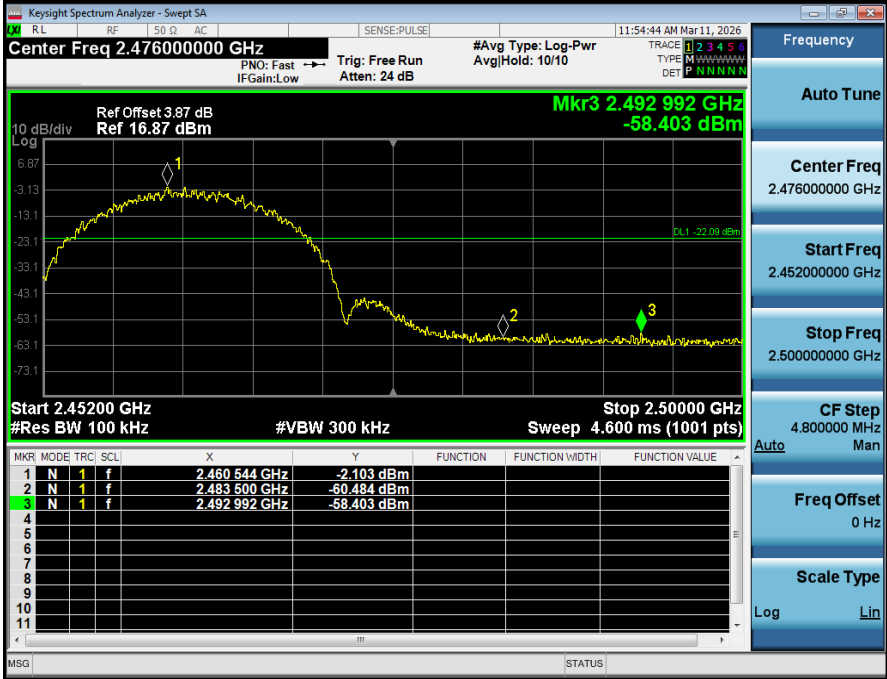
2 Bandedge NVNT ANT1 802 11b 2412



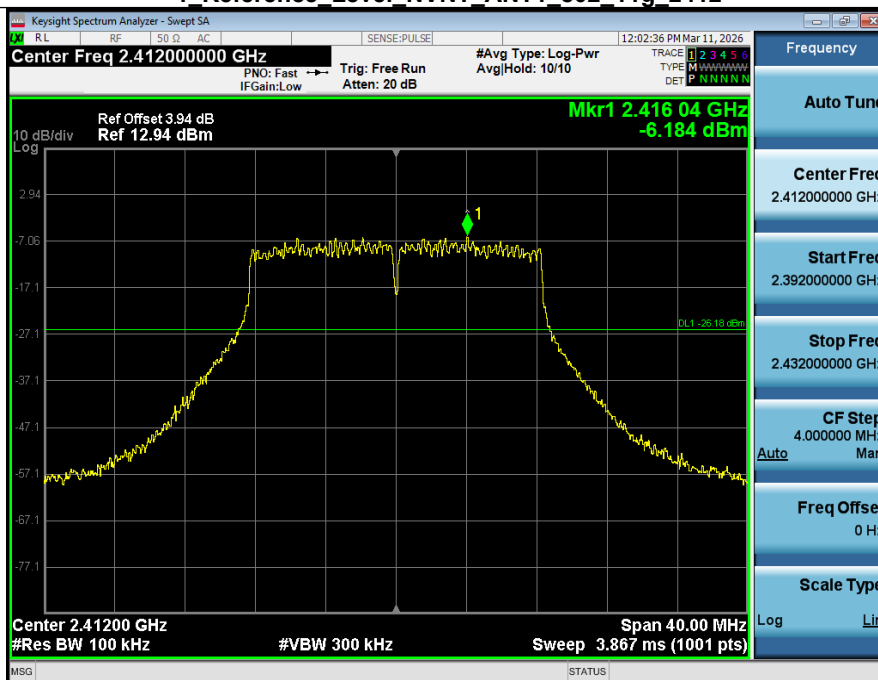
1 Reference Level NVNT ANT1 802 11b 2462



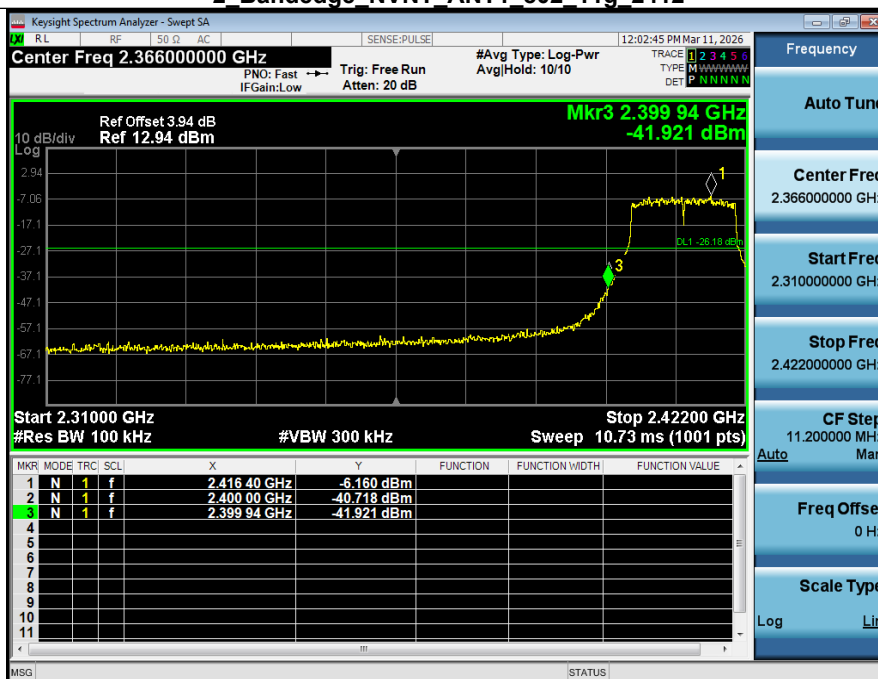
2 Bandedge NVNT ANT1 802 11b 2462



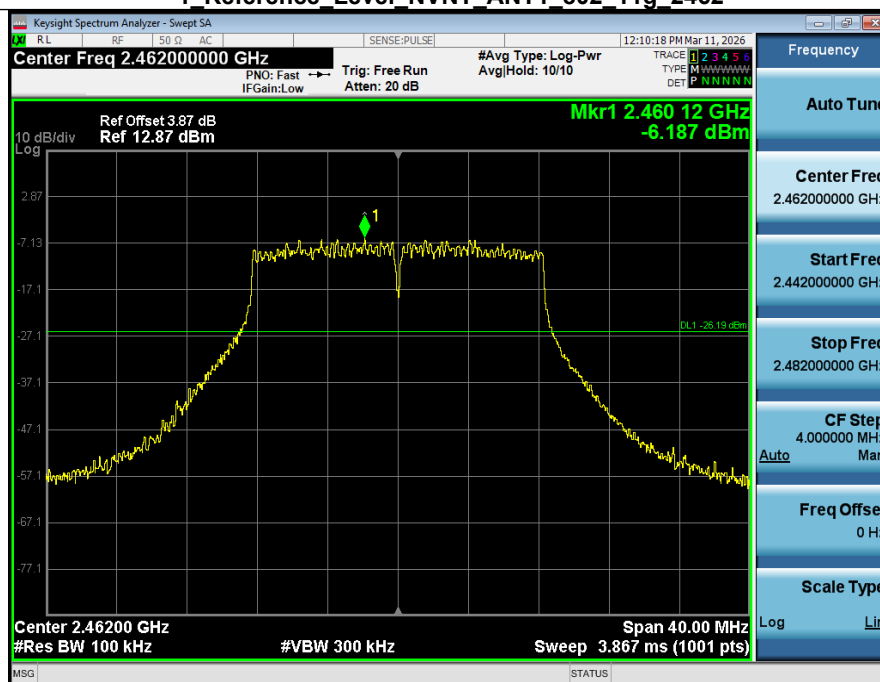
1_Reference_Level_NVNT_ANT1_802_11g_2412



2 Bandedge NVNT ANT1 802 11g 2412



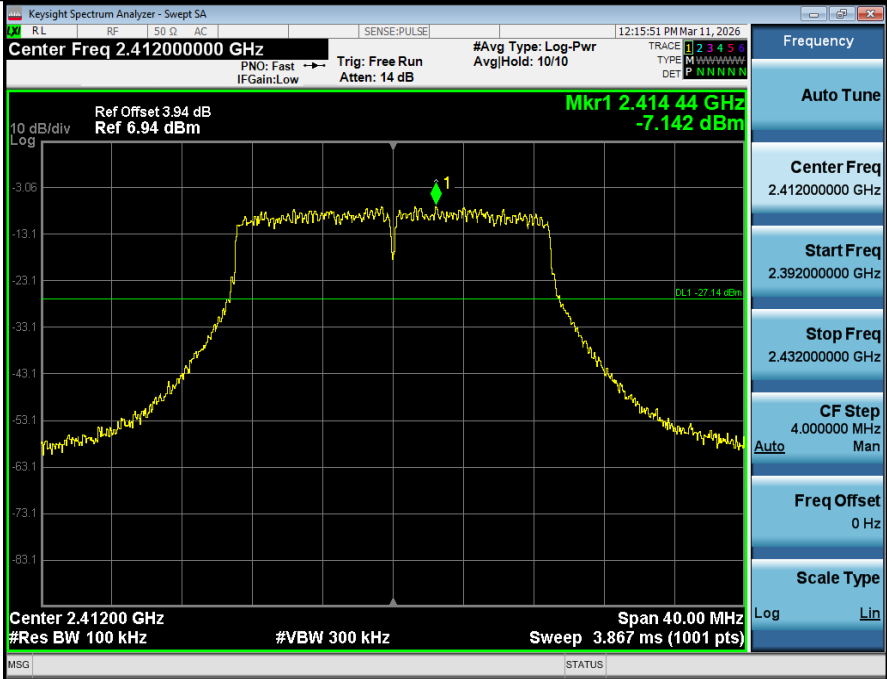
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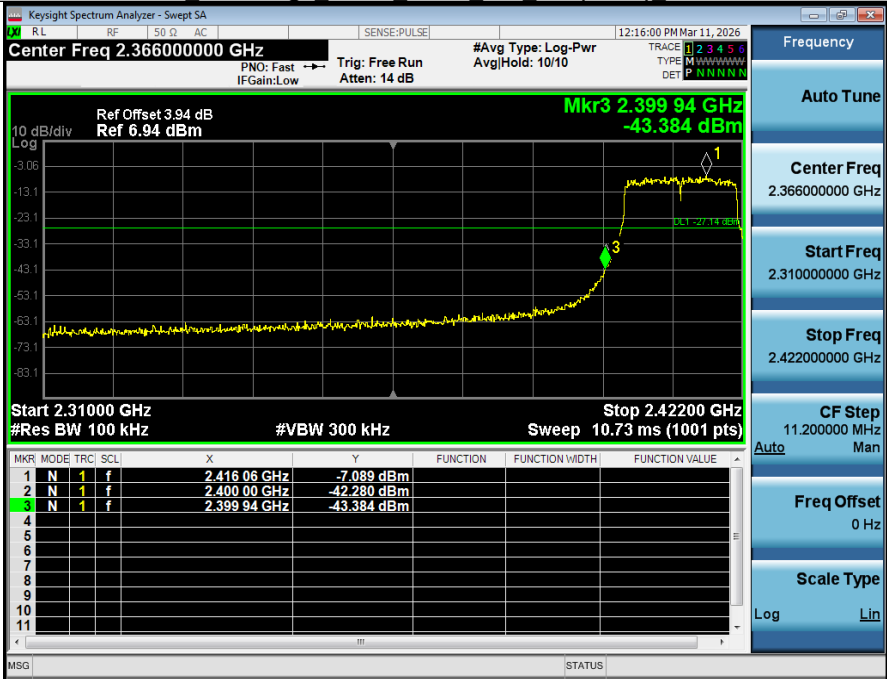
2 Bandedge NVNT ANT1 802 11g 2462



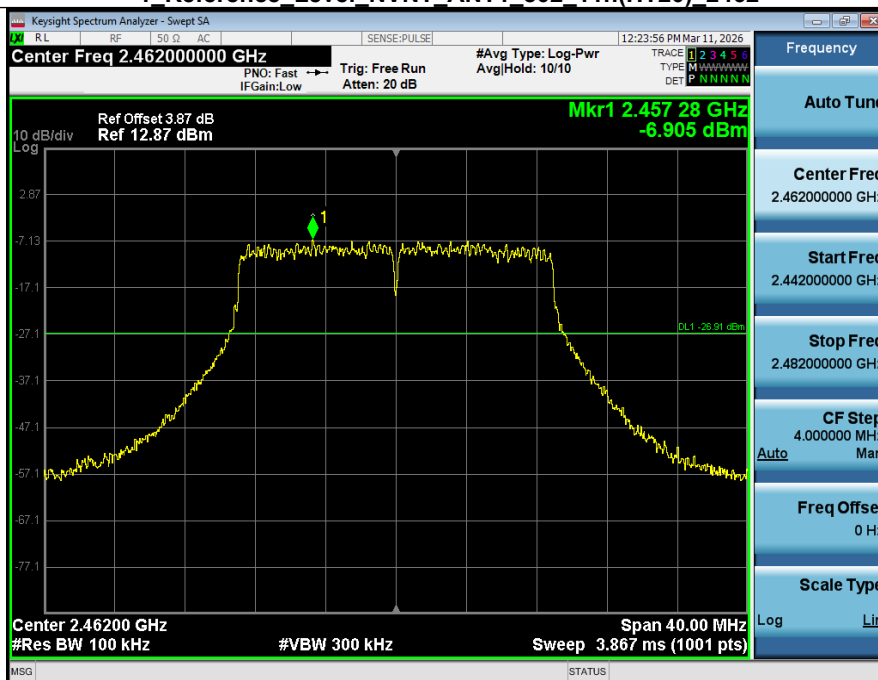
1 Reference Level NVNT ANT1 802 11n(HT20) 2412



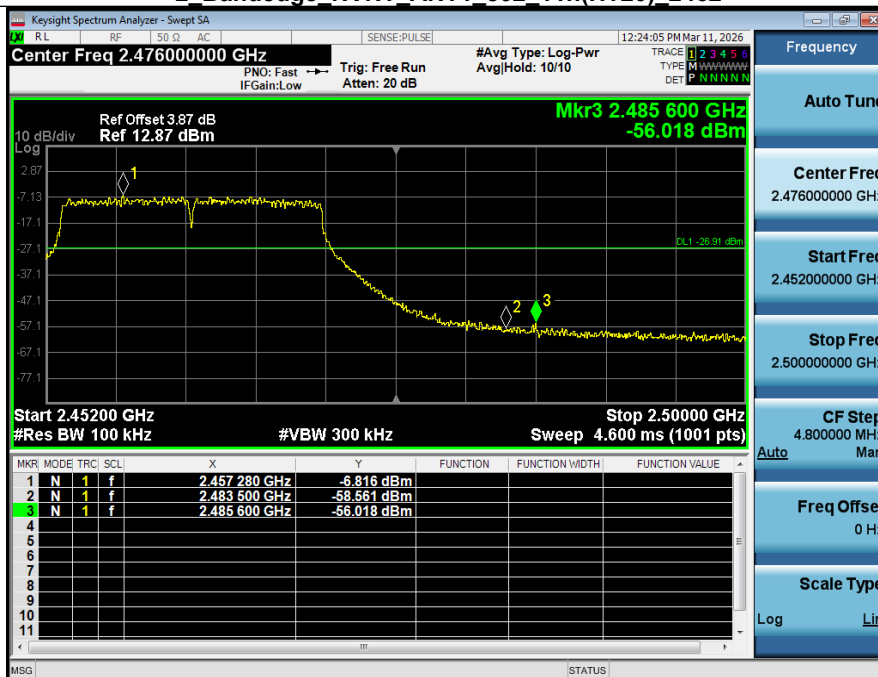
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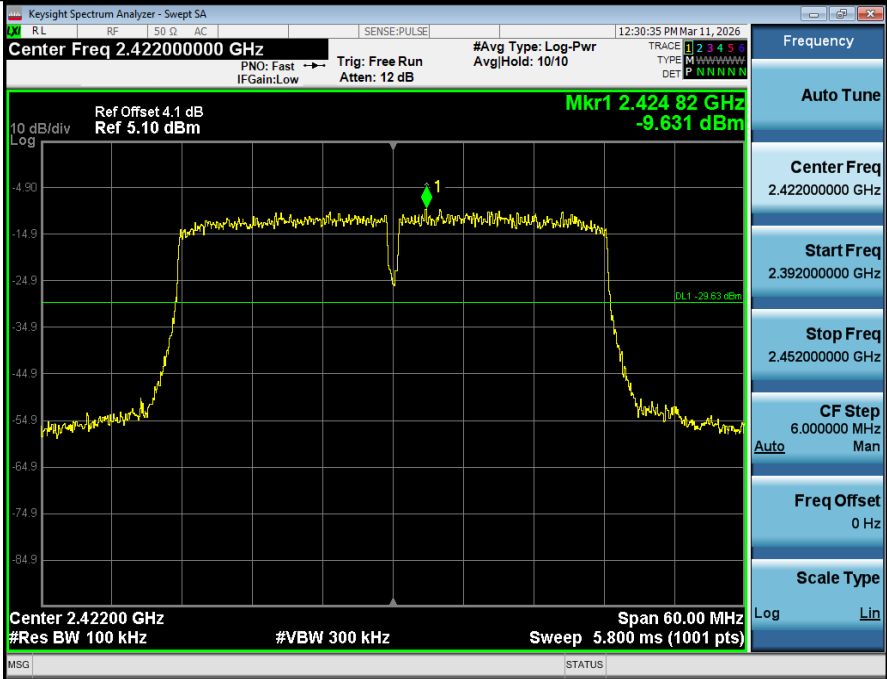
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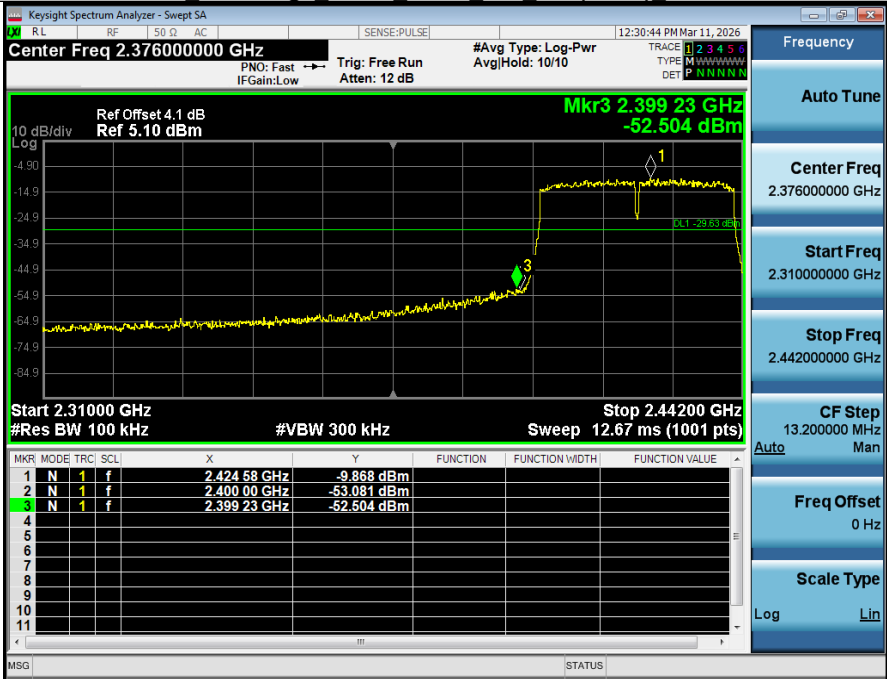
2 Bandedge NVNT ANT1 802 11n(HT20) 2462



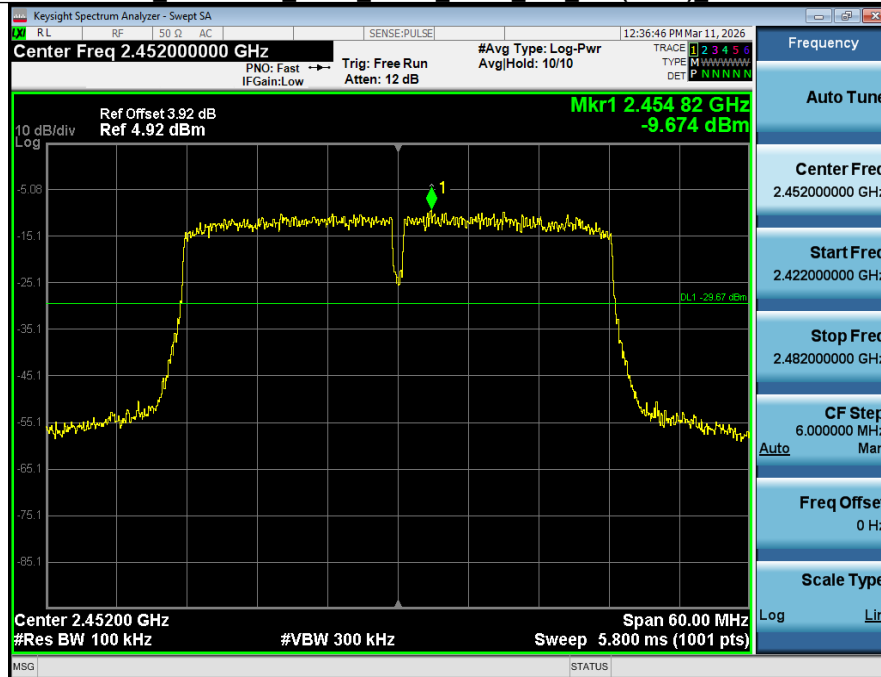
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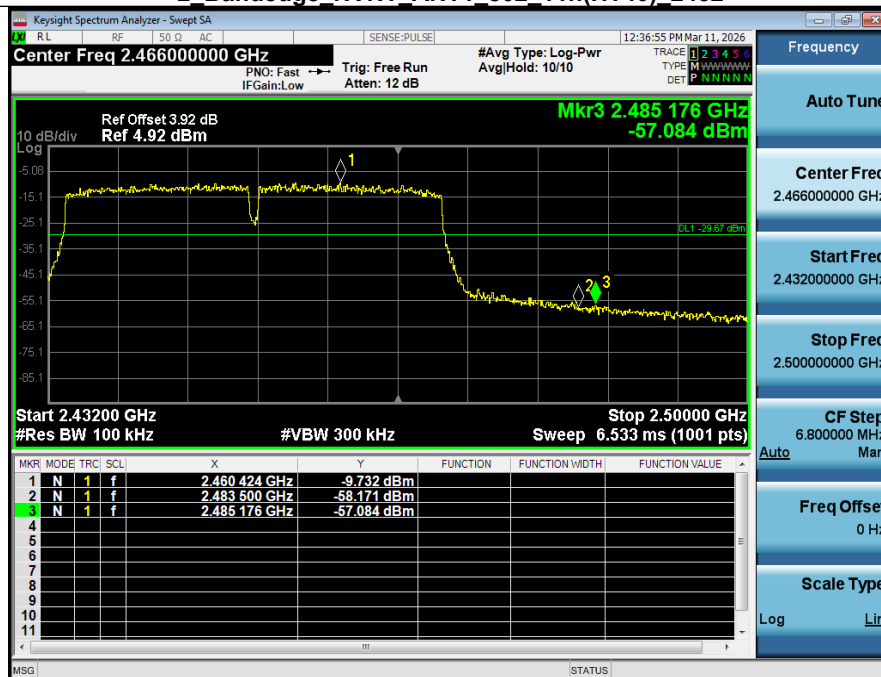
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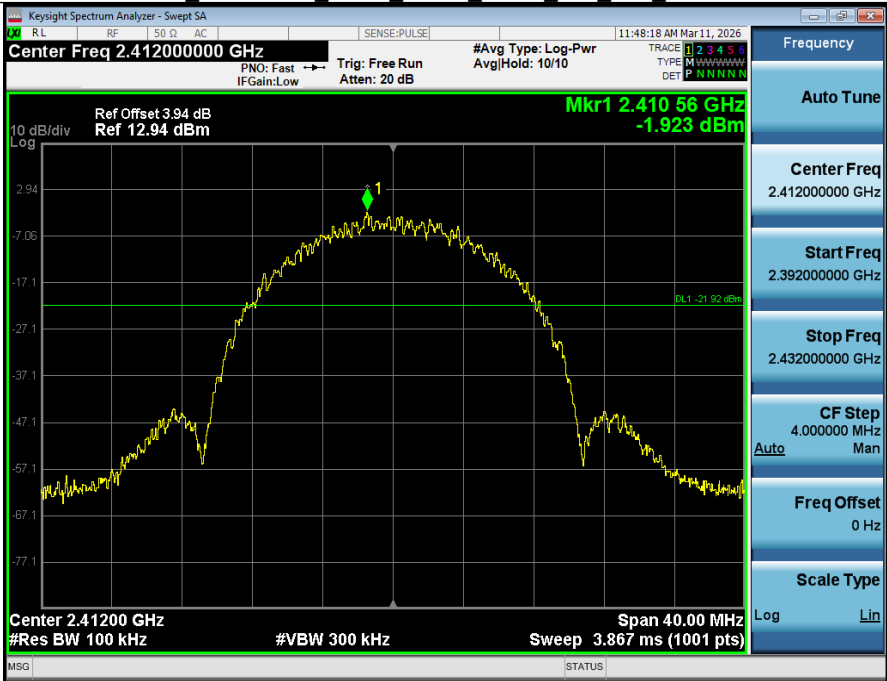
2 Bandedge NVNT ANT1 802 11n(HT40) 2452



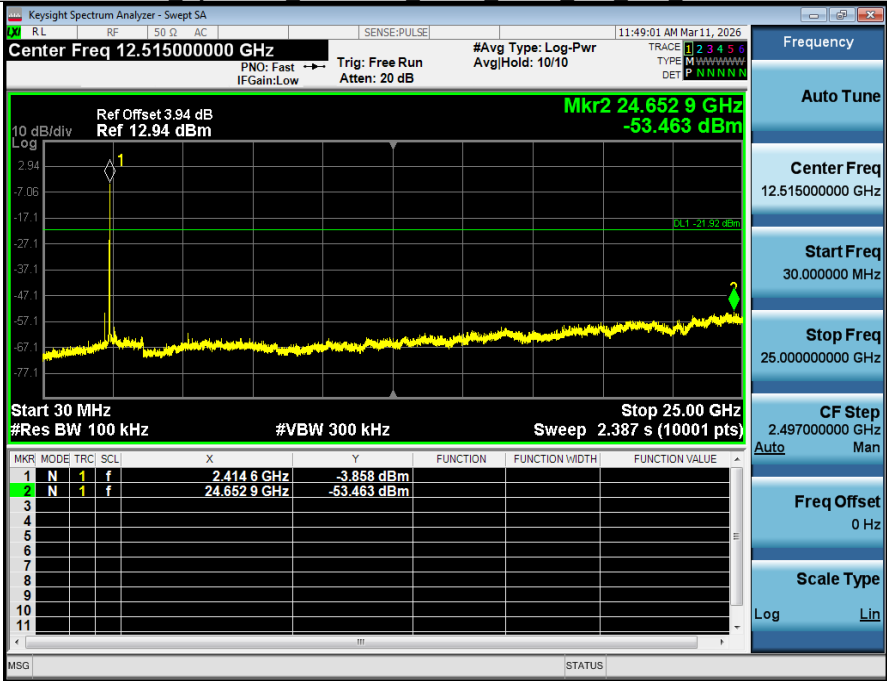
Appendix A.6: Test Results of Conducted Spurious Emissions

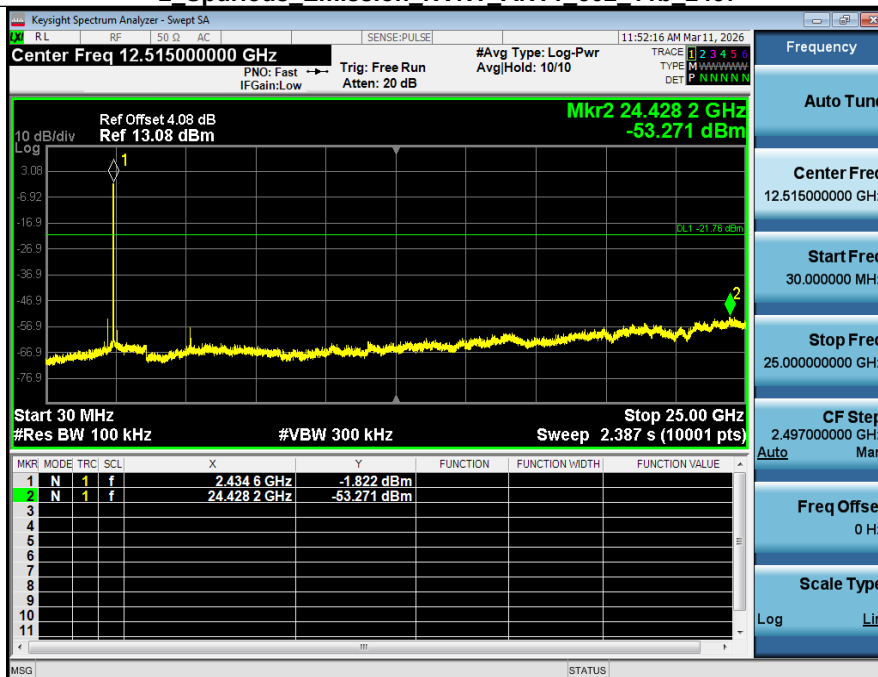
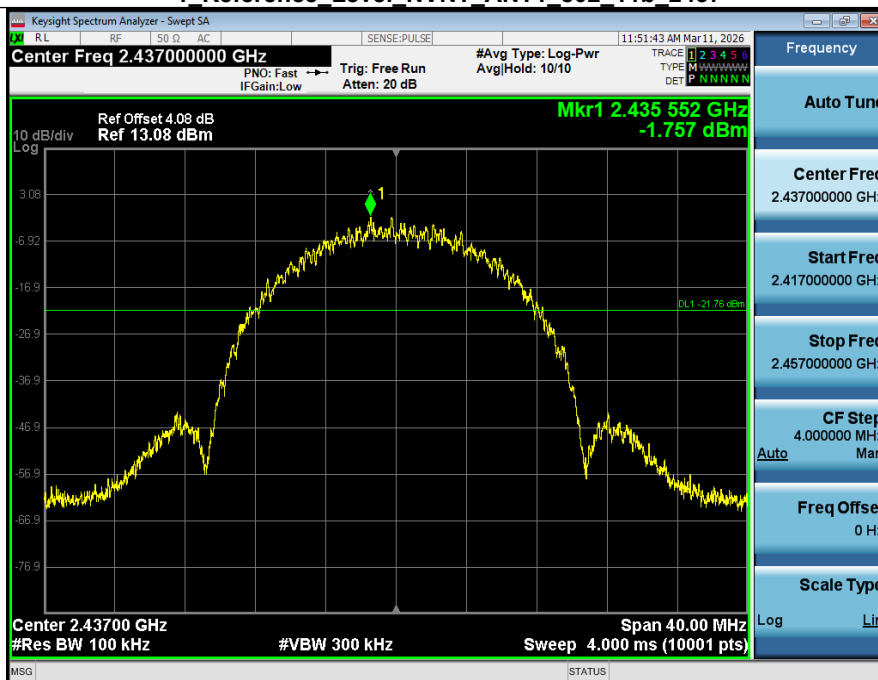
Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq (MHz)	Ref_level (dBm)	Spurious level (dBm)	limit (dBm)	Result
NVNT	ANT1	802.11b	2412.00	24652.917	-1.923	-53.463	-21.923	Pass
NVNT	ANT1	802.11b	2437.00	24428.187	-1.757	-53.271	-21.757	Pass
NVNT	ANT1	802.11b	2462.00	23896.326	-2.092	-49.551	-22.092	Pass
NVNT	ANT1	802.11g	2412.00	2239.845	-6.184	-50.959	-26.184	Pass
NVNT	ANT1	802.11g	2437.00	2239.845	-6.012	-50.935	-26.012	Pass
NVNT	ANT1	802.11g	2462.00	2239.845	-6.187	-51.024	-26.187	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2239.845	-7.142	-51.319	-27.142	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	2239.845	-6.745	-50.627	-26.745	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2239.845	-6.905	-51.061	-26.905	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2239.845	-9.631	-51.367	-29.631	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	2239.845	-9.478	-51.278	-29.478	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2239.845	-9.674	-51.347	-29.674	Pass

1 Reference Level NVNT ANT1_802_11b_2412

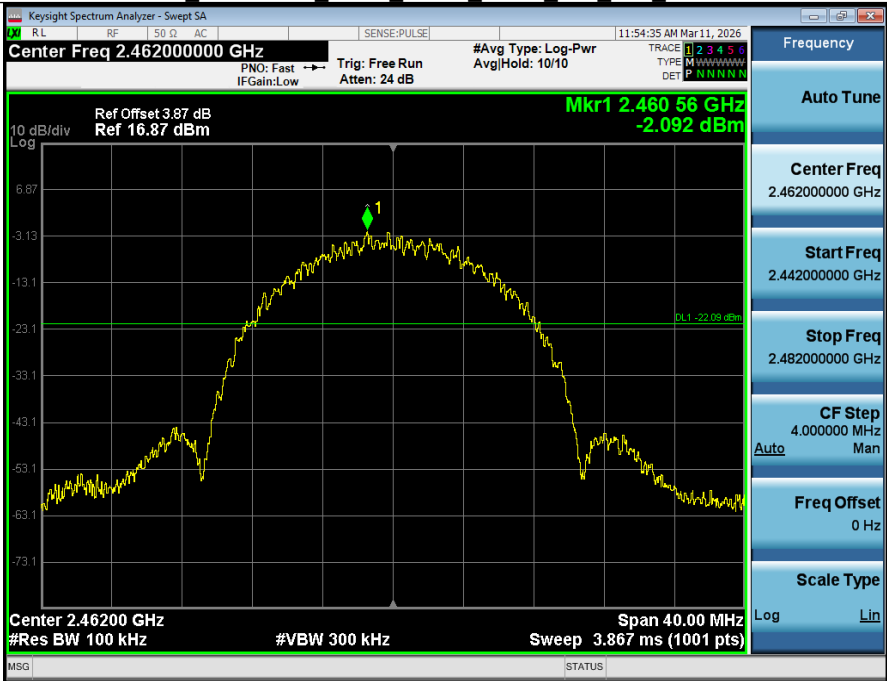


2 Spurious Emission NVNT ANT1_802_11b_2412

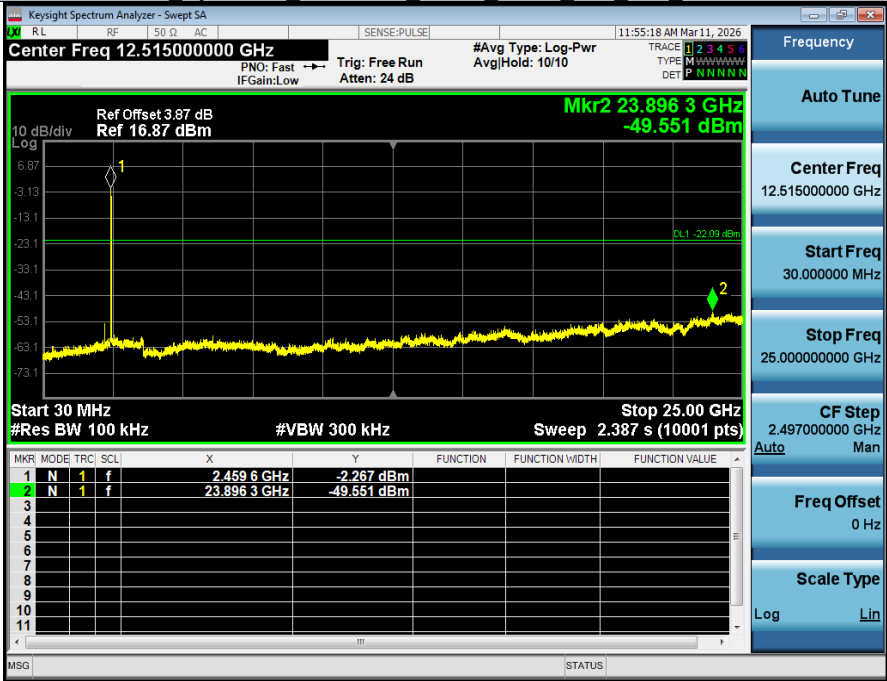




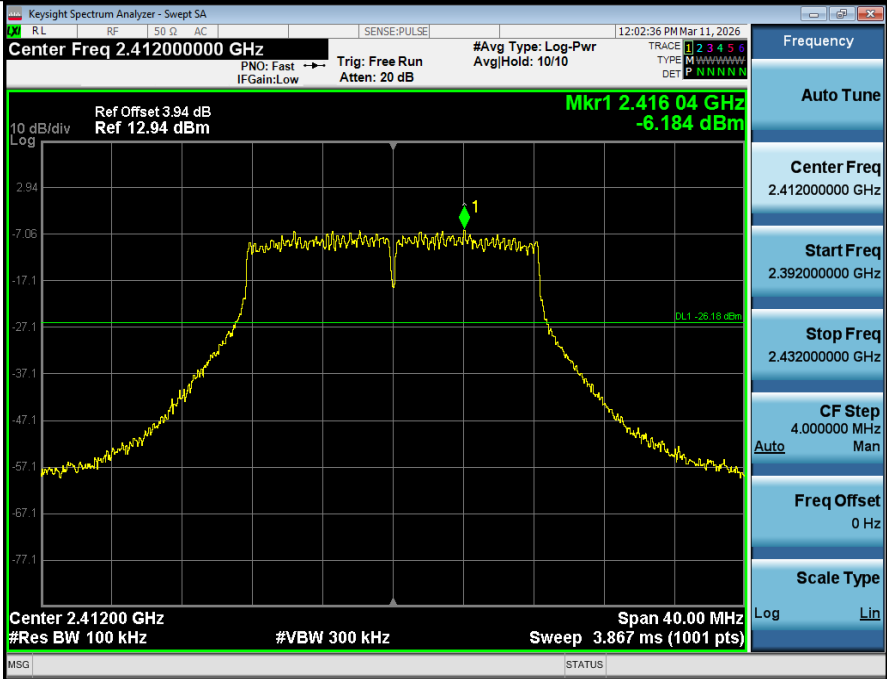
1 Reference Level NVNT ANT1_802_11b_2462



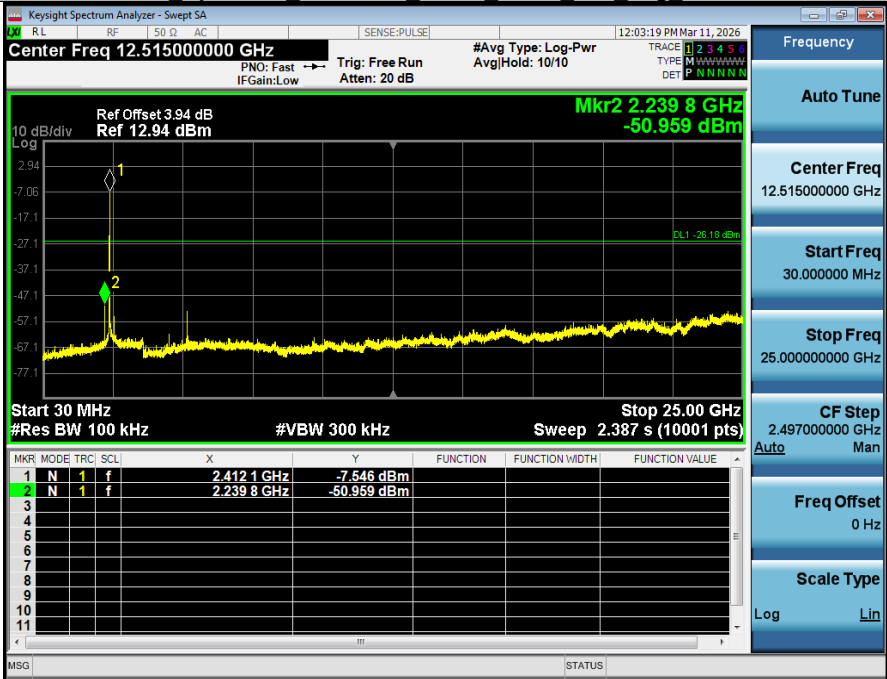
2 Spurious Emission NVNT ANT1_802_11b_2462



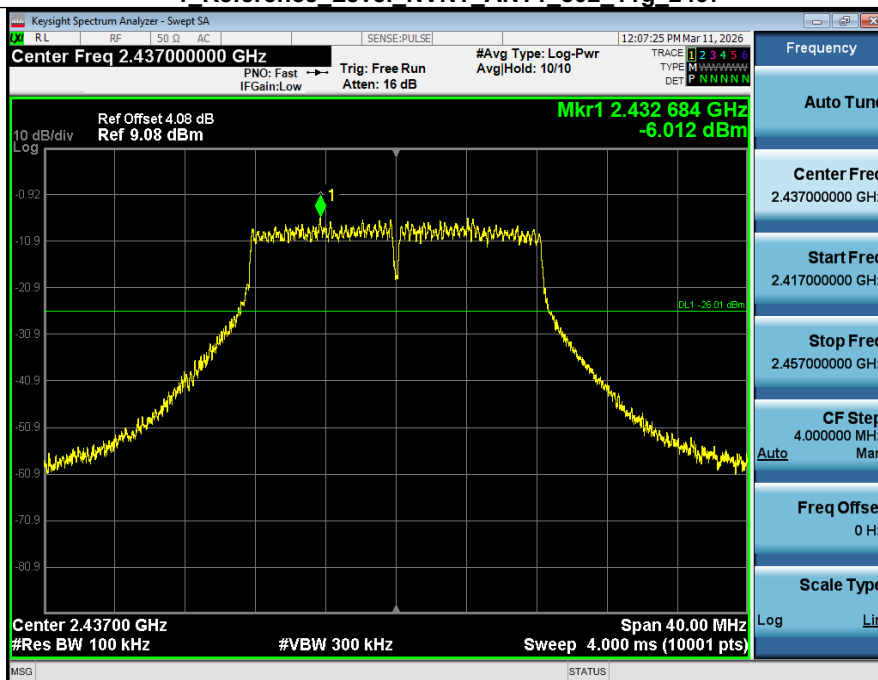
1 Reference Level NVNT ANT1_802_11g_2412



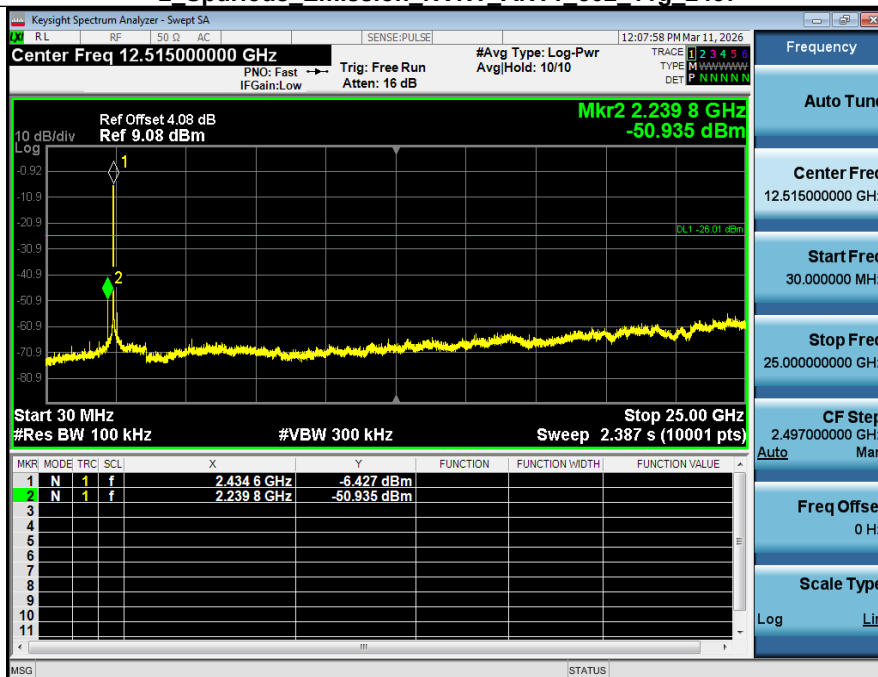
2 Spurious Emission NVNT ANT1_802_11g_2412



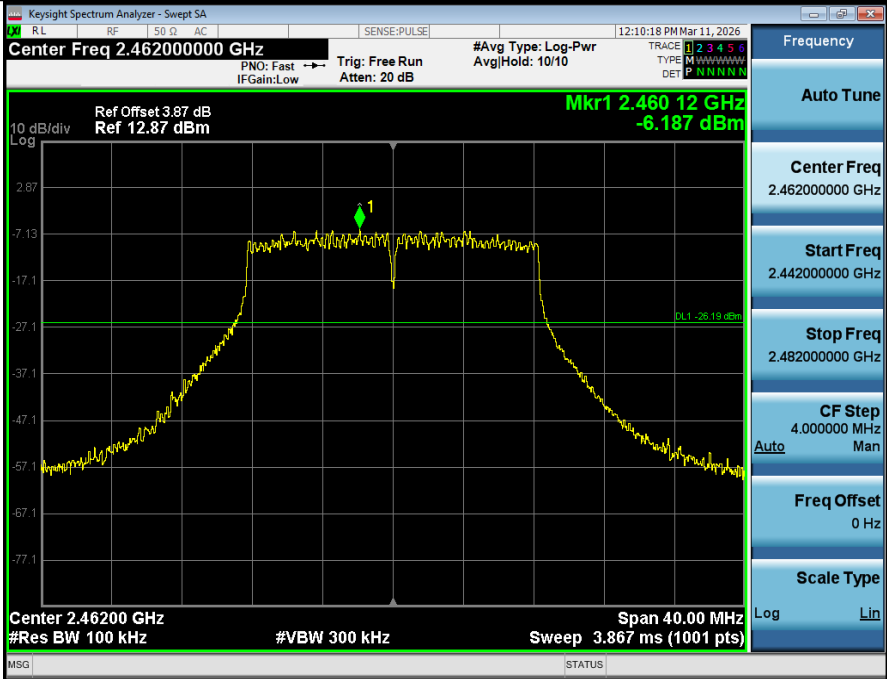
1_Reference_Level_NVNT_ANT1_802_11g_2437



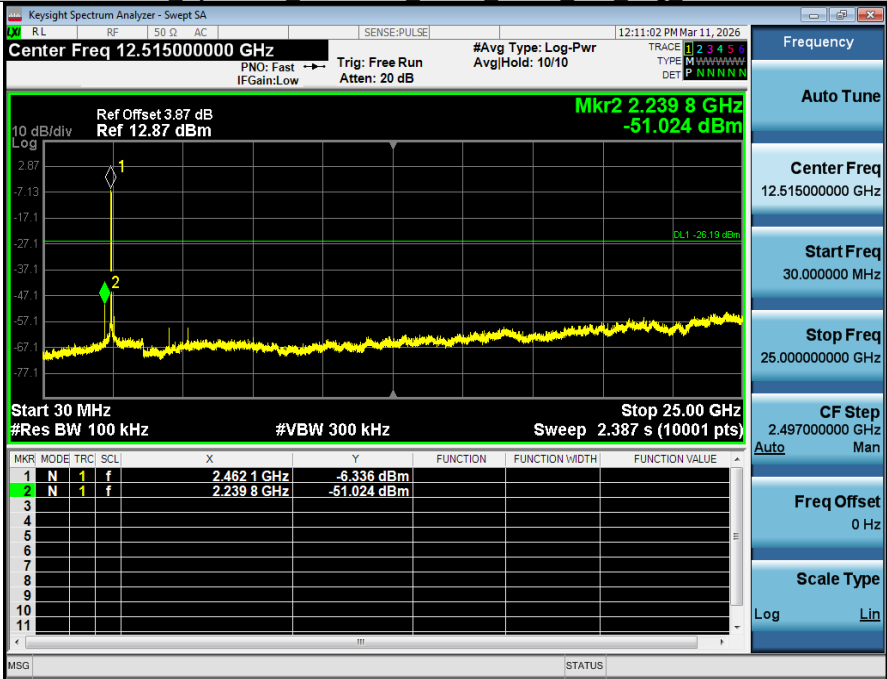
2 Spurious Emission NVNT ANT1 802 11g 2437



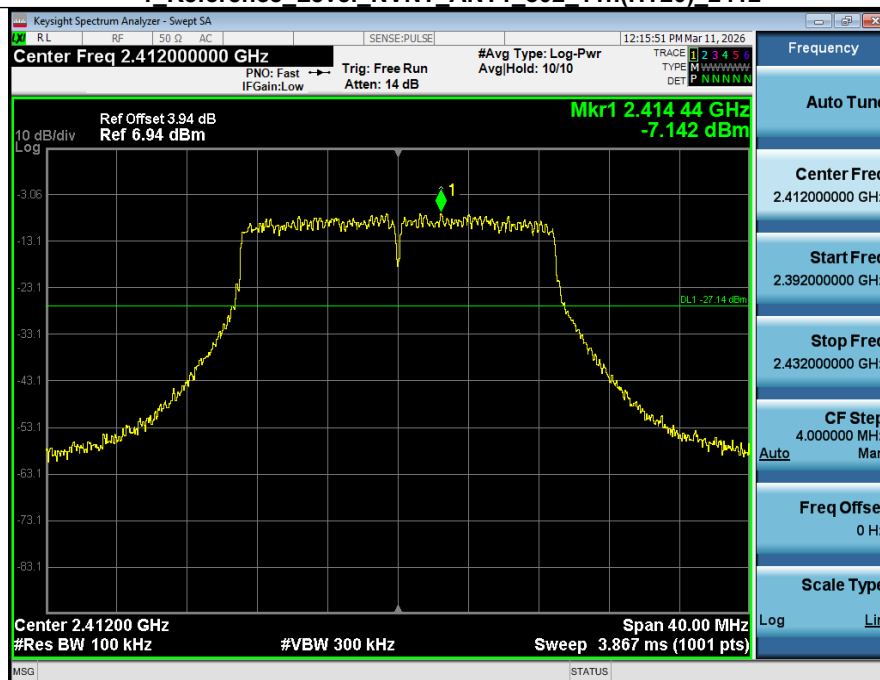
1 Reference Level NVNT ANT1_802_11g_2462



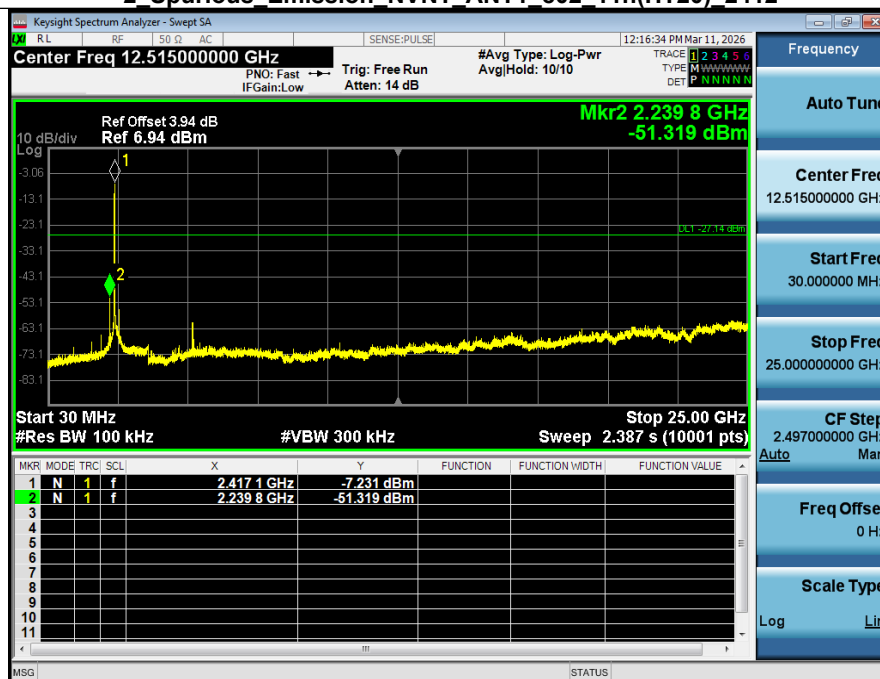
2 Spurious Emission NVNT ANT1_802_11g_2462



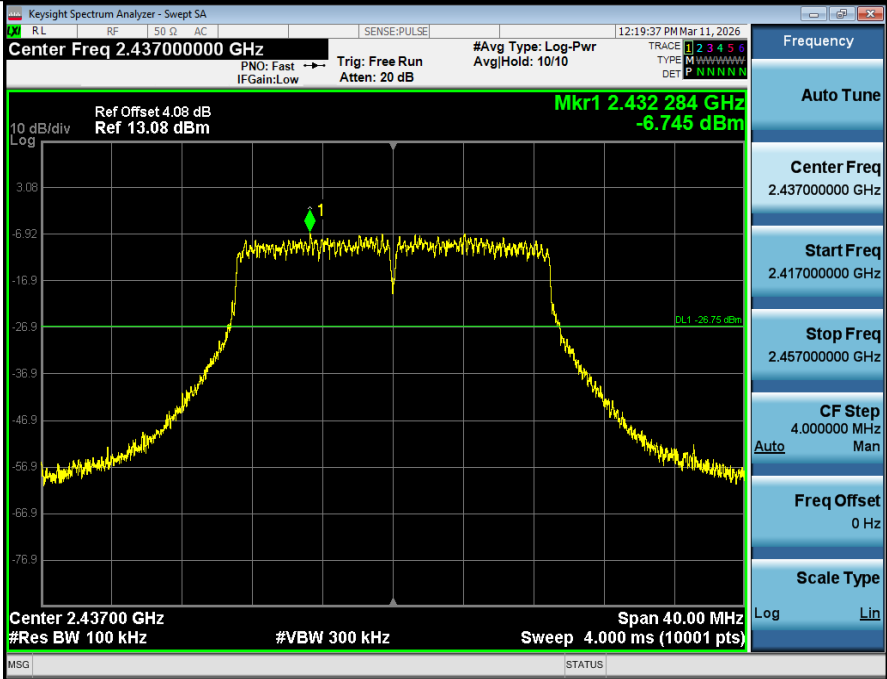
1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412



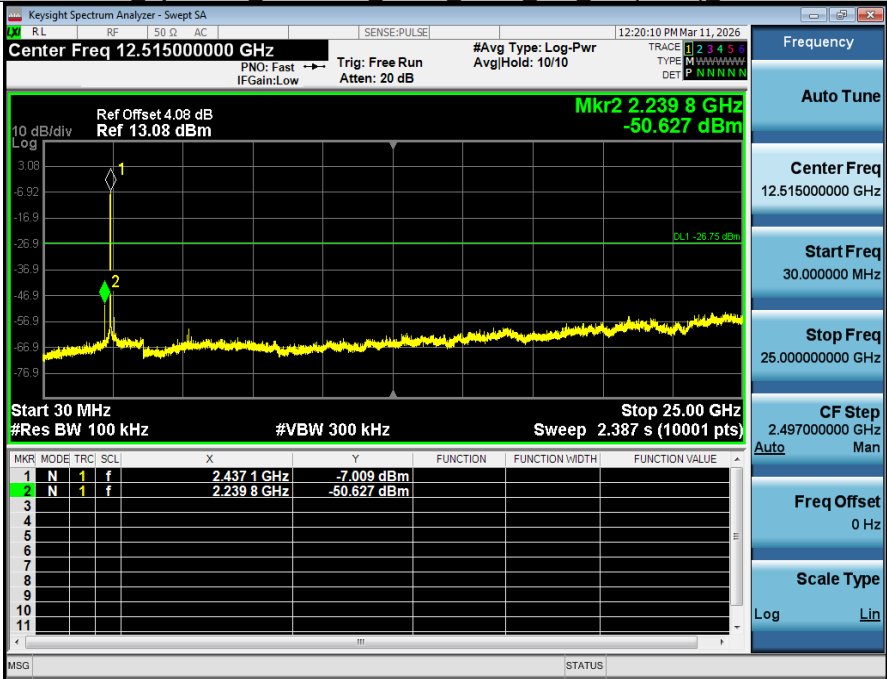
2 Spurious Emission NVNT ANT1 802 11n(HT20) 2412



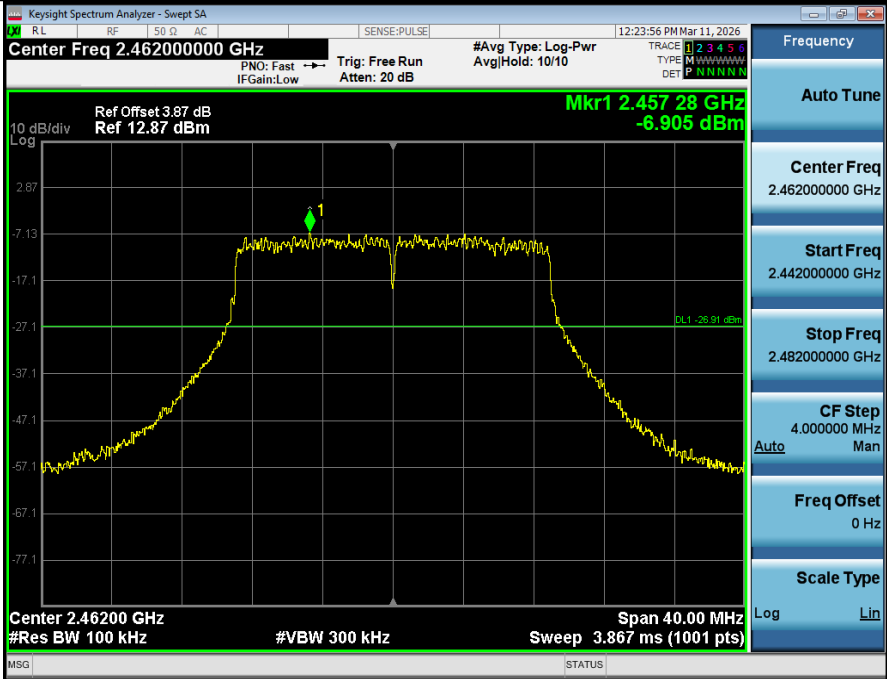
1 Reference Level NVNT ANT1 802 11n(HT20) 2437



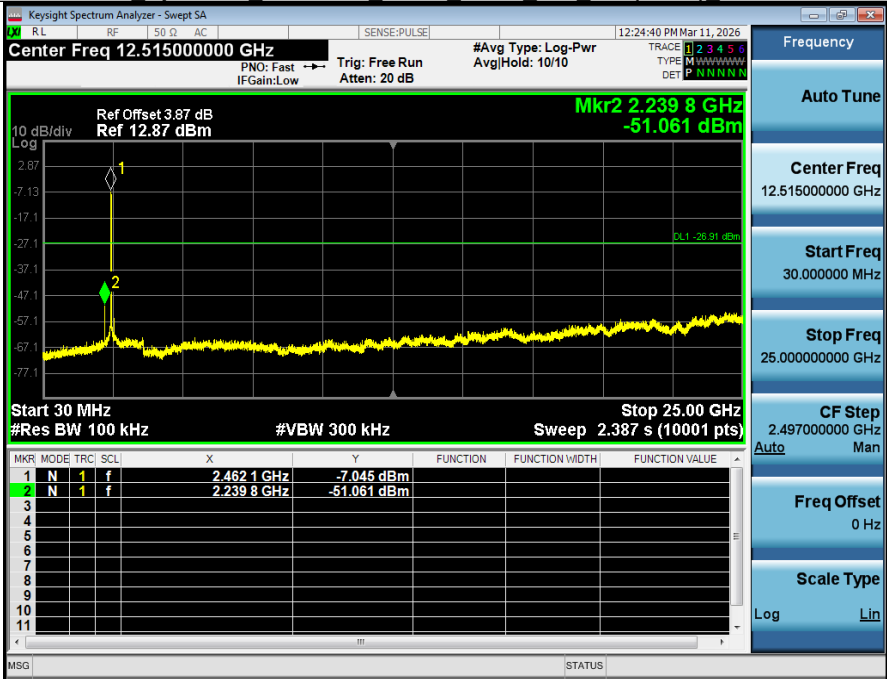
2 Spurious Emission NVNT ANT1 802 11n(HT20) 2437



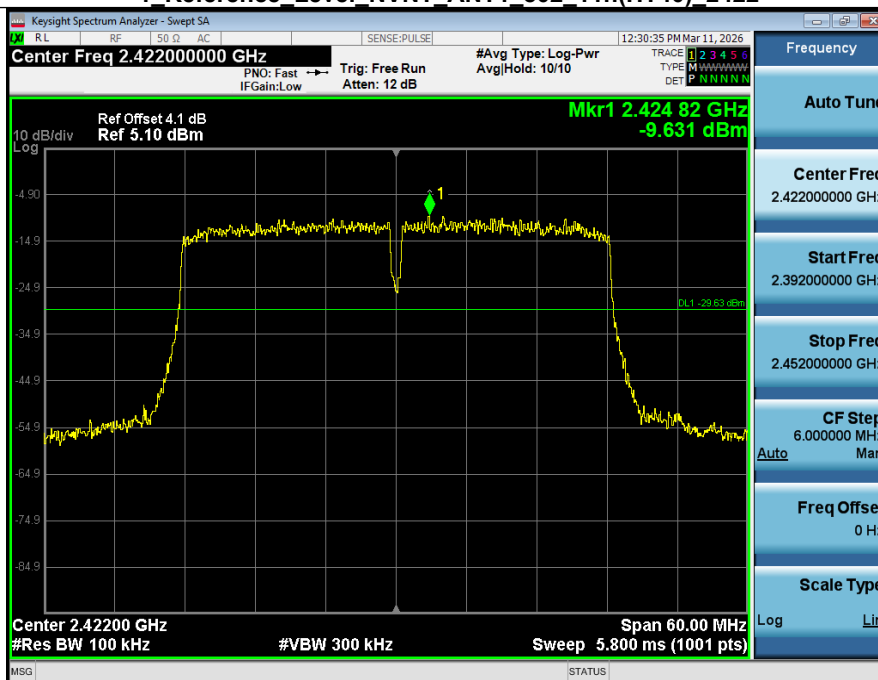
1 Reference Level NVNT ANT1 802 11n(HT20) 2462



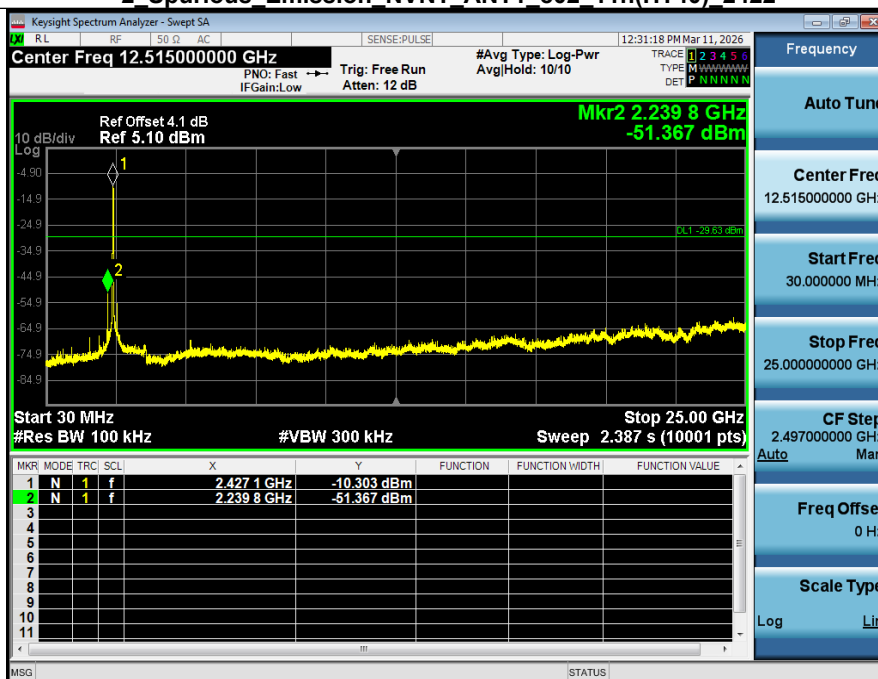
2 Spurious Emission NVNT ANT1 802 11n(HT20) 2462



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422



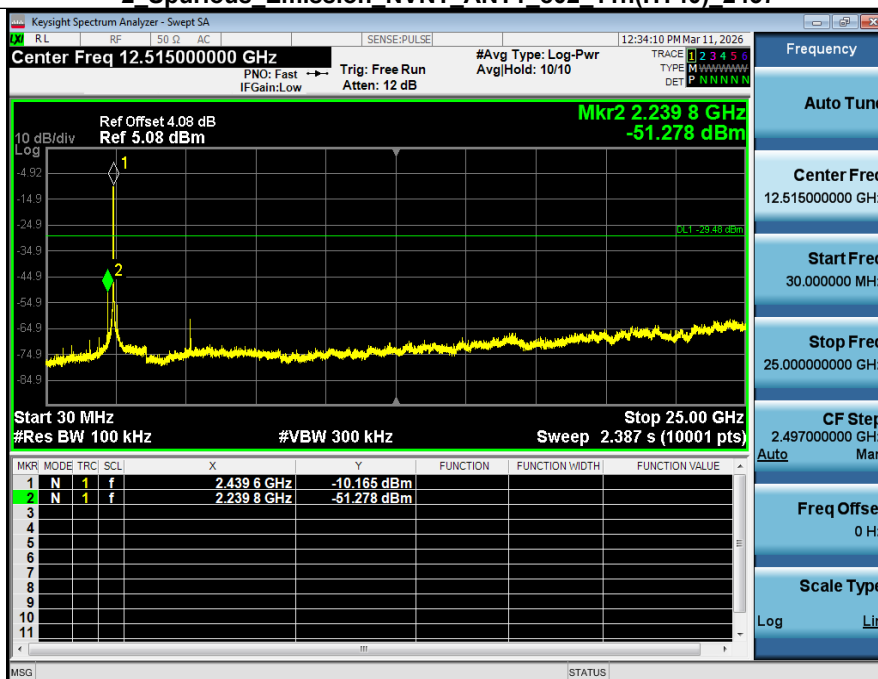
2 Spurious Emission NVNT ANT1 802 11n(HT40) 2422



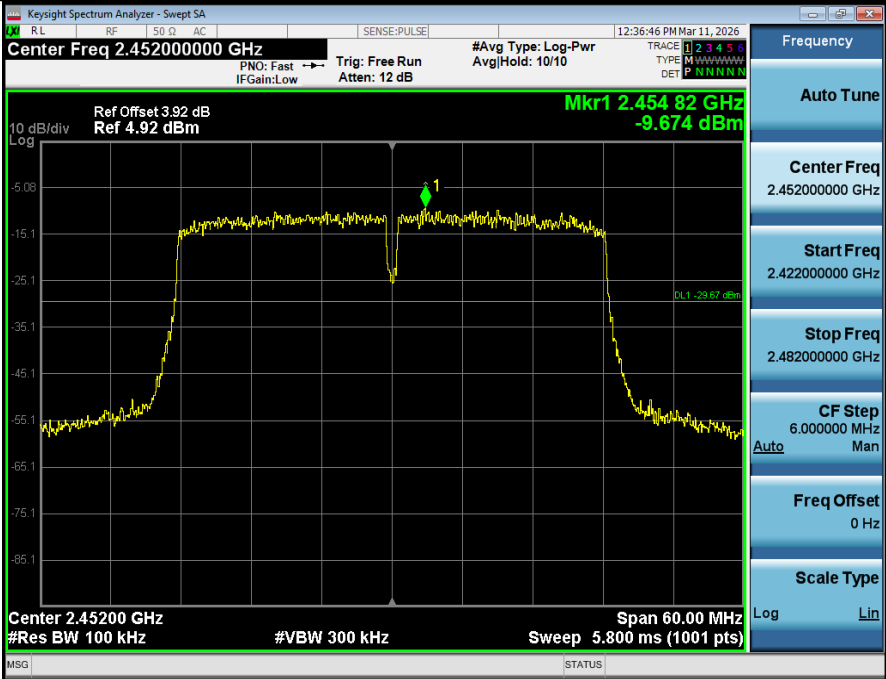
1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2437



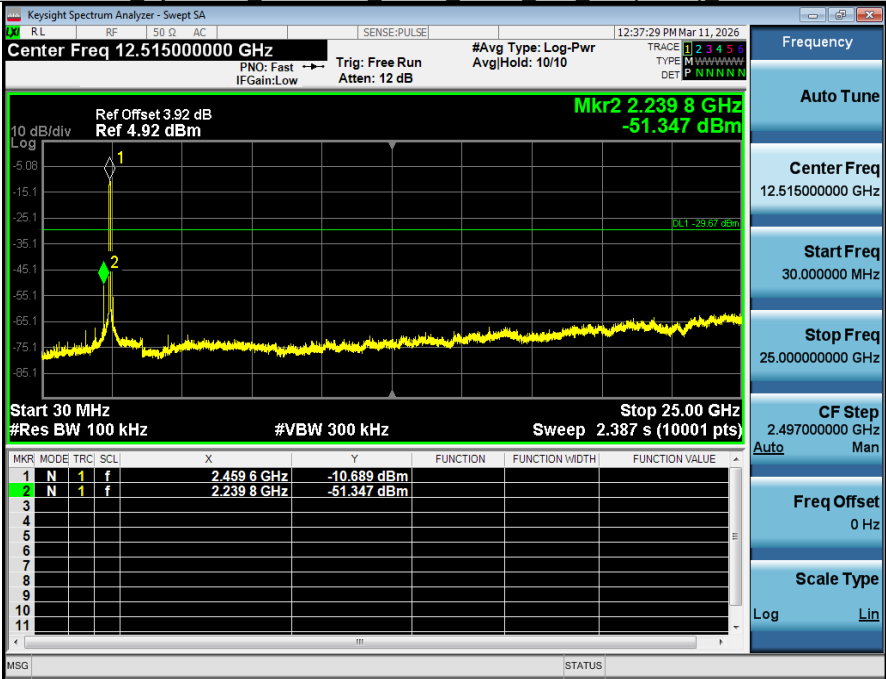
2 Spurious Emission NVNT ANT1 802 11n(HT40) 2437



1 Reference Level NVNT ANT1 802 11n(HT40) 2452



2 Spurious Emission NVNT ANT1 802 11n(HT40) 2452



Appendix A.7: Test Results of Radiated Spurious Emissions

Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz

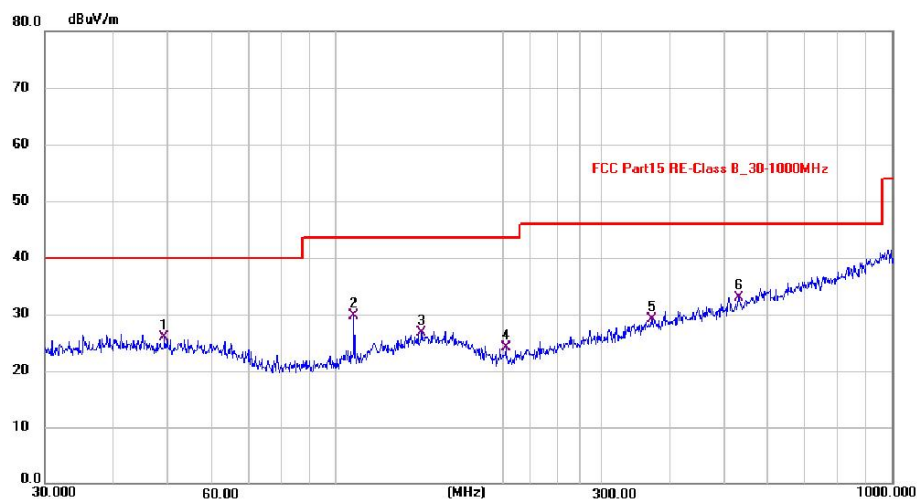


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: b 2412MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 8:37:53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	49.2082	12.10	13.77	25.87	40.00	-14.13	QP	100	205	P	
2	108.0296	17.86	11.80	29.66	43.50	-13.84	QP	100	112	P	
3	142.9496	11.94	14.69	26.63	43.50	-16.87	QP	100	156	P	
4	202.3663	12.50	11.57	24.07	43.50	-19.43	QP	100	315	P	
5	370.3774	12.06	16.98	29.04	46.00	-16.96	QP	100	215	P	
6 *	531.2644	12.41	20.59	33.00	46.00	-13.00	QP	100	186	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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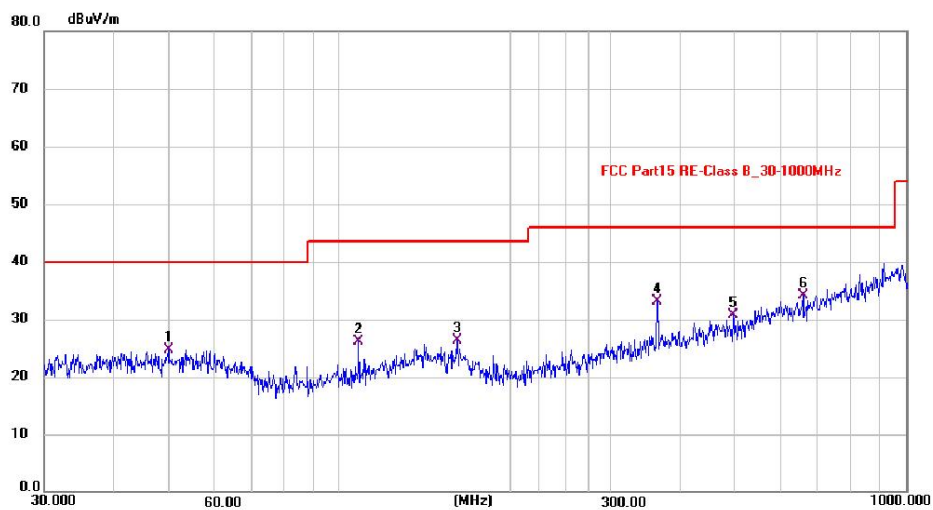
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: b 2412MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 8:43:03



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	49.7940	10.91	13.75	24.66	40.00	-15.34	QP	200	143	P	
2	107.9823	14.35	11.80	26.15	43.50	-17.35	QP	200	158	P	
3	161.0500	11.31	15.09	26.40	43.50	-17.10	QP	200	314	P	
4	363.9403	16.30	16.84	33.14	46.00	-12.86	QP	200	208	P	
5	495.0656	11.04	19.74	30.78	46.00	-15.22	QP	200	211	P	
6 *	656.8177	11.09	23.10	34.19	46.00	-11.81	QP	200	268	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

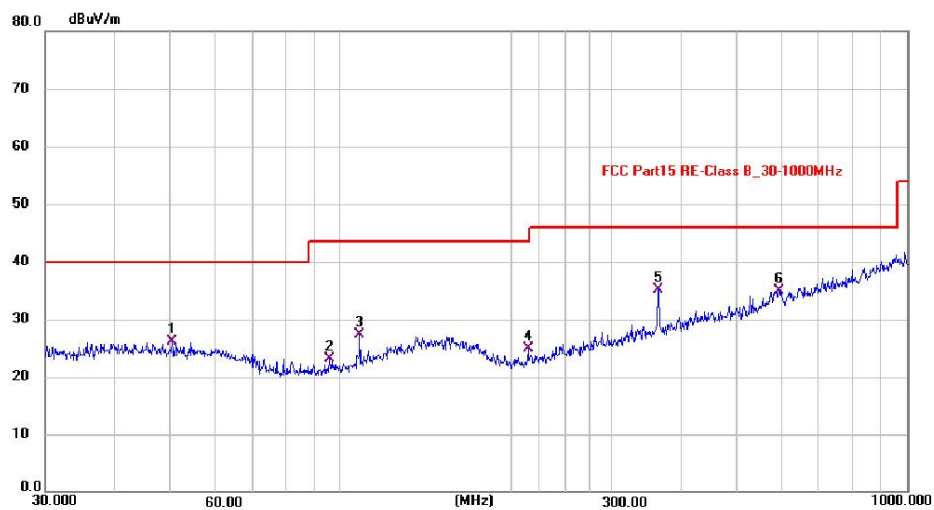


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: b 2462MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 8:48:53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	50.3206	12.29	13.72	26.01	40.00	-13.99	QP	200	306	P	
2	95.6363	12.42	10.66	23.08	43.50	-20.42	QP	200	118	P	
3	108.0296	15.53	11.80	27.33	43.50	-16.17	QP	200	215	P	
4	214.1385	12.93	12.07	25.00	43.50	-18.50	QP	200	64	P	
5 *	364.1000	18.31	16.85	35.16	46.00	-10.84	QP	200	158	P	
6	594.6113	12.94	21.95	34.89	46.00	-11.11	QP	200	284	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

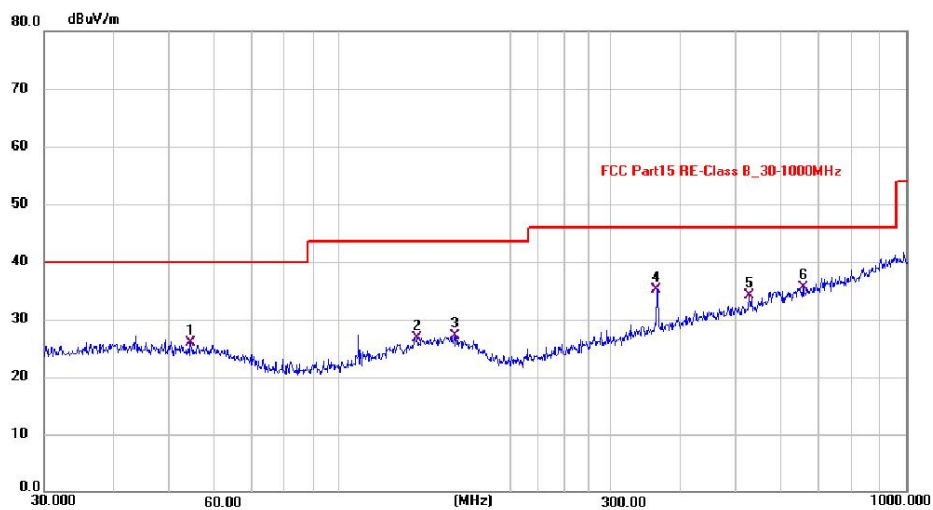


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: b 2462MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/11 8:54:34



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	54.5950	12.44	13.51	25.95	40.00	-14.05	QP	100	158	P	
2	136.8192	12.43	14.26	26.69	43.50	-16.81	QP	100	360	P	
3	159.4346	11.96	15.18	27.14	43.50	-16.36	QP	100	168	P	
4	364.0999	18.31	16.85	35.16	46.00	-10.84	QP	100	224	P	
5	528.7091	13.57	20.52	34.09	46.00	-11.91	QP	100	218	P	
6 *	657.9704	12.40	23.12	35.52	46.00	-10.48	QP	100	132	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

1GHz - 18GHz

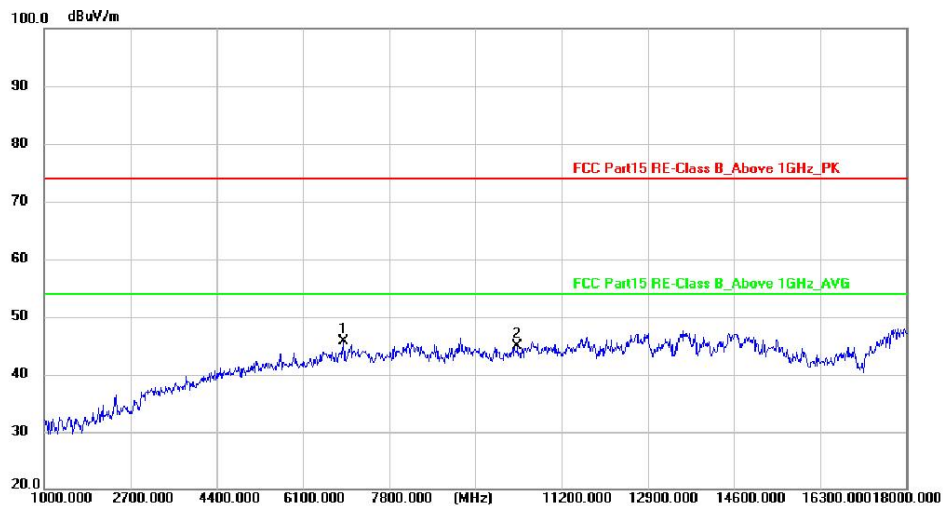


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: b 2412MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/11 11:04:39



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	6907.500	57.35	-11.57	45.78	74.00	-28.22	peak	150	223	P	
2	10333.000	54.61	-9.62	44.99	74.00	-29.01	peak	150	159	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

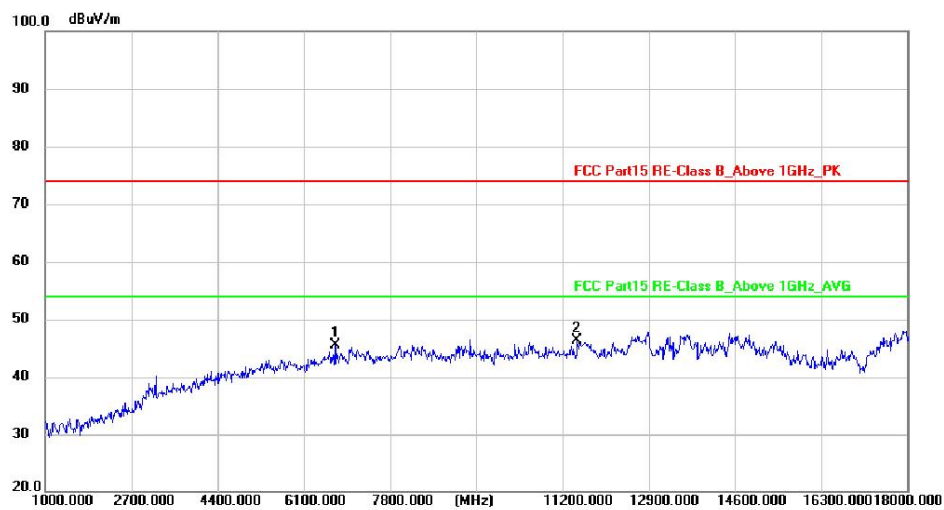


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: b 2412MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/11 11:10:59



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	6716.250	57.45	-12.02	45.43	74.00	-28.57	peak	150	152	P	
2 *	11497.500	55.03	-8.79	46.24	74.00	-27.76	peak	150	147	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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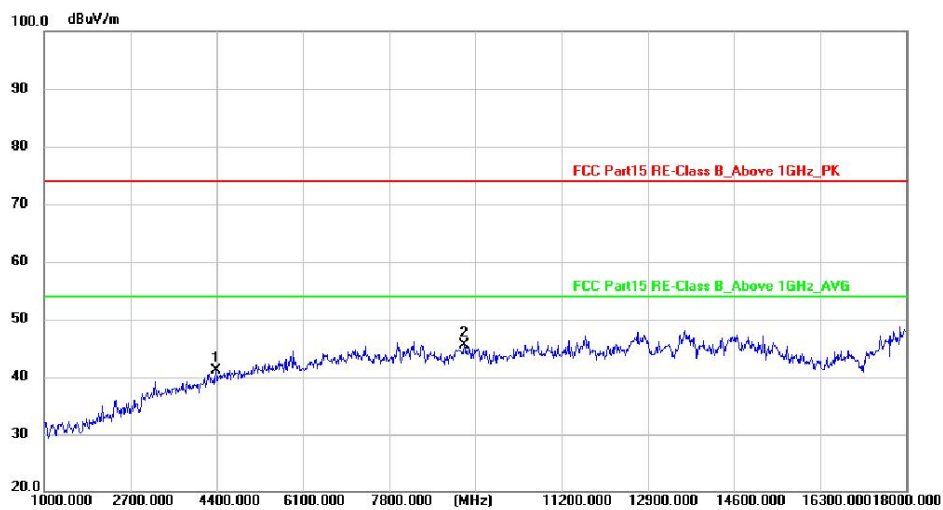
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: b 2462MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 11:15:09



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4393.625	58.87	-17.74	41.13	74.00	-32.87	peak	150	206	P	
2 *	9293.875	55.87	-10.27	45.60	74.00	-28.40	peak	150	174	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

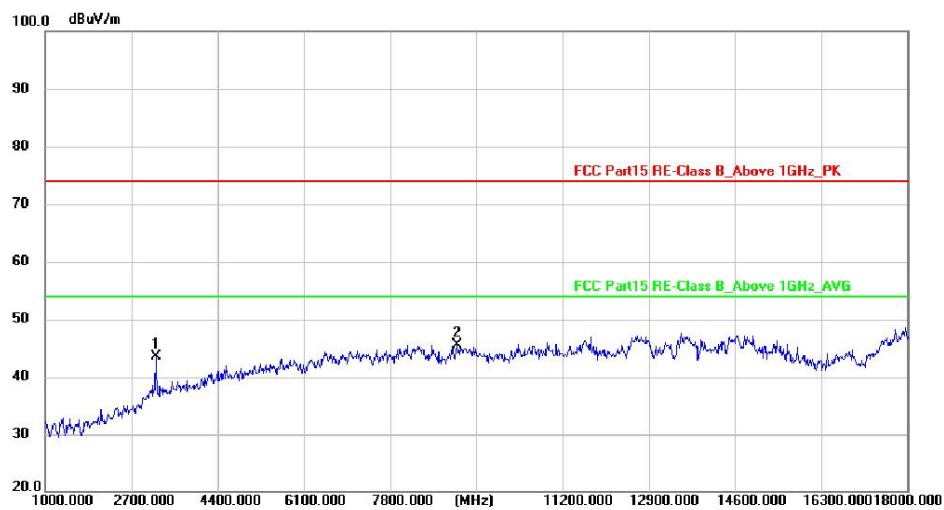


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: b 2462MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 11:21:37



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	3190.875	64.75	-21.34	43.41	74.00	-30.59	peak	150	274	P	
2 *	9130.250	55.85	-10.33	45.52	74.00	-28.48	peak	150	345	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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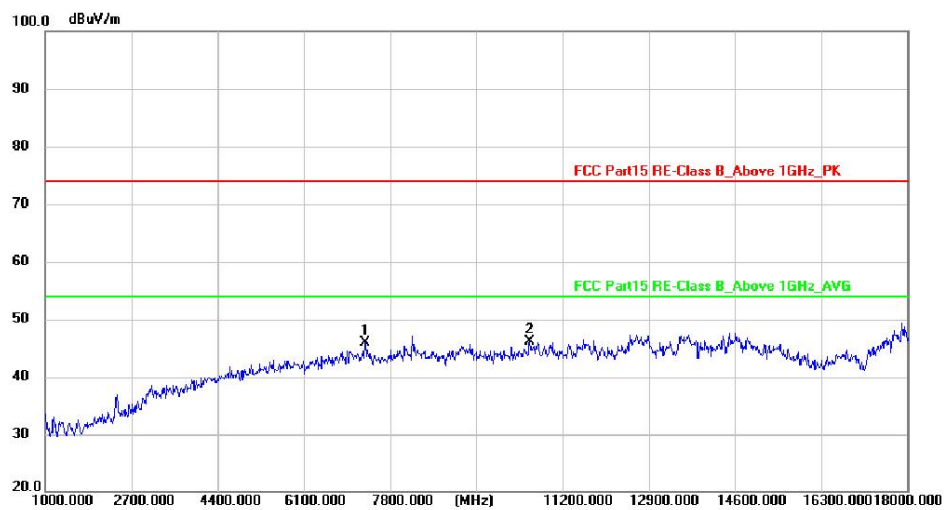
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: g 2412MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 11:26:47



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	7319.750	57.04	-11.13	45.91	74.00	-28.09	peak	150	308	P	
2 *	10558.250	55.50	-9.39	46.11	74.00	-27.89	peak	150	207	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

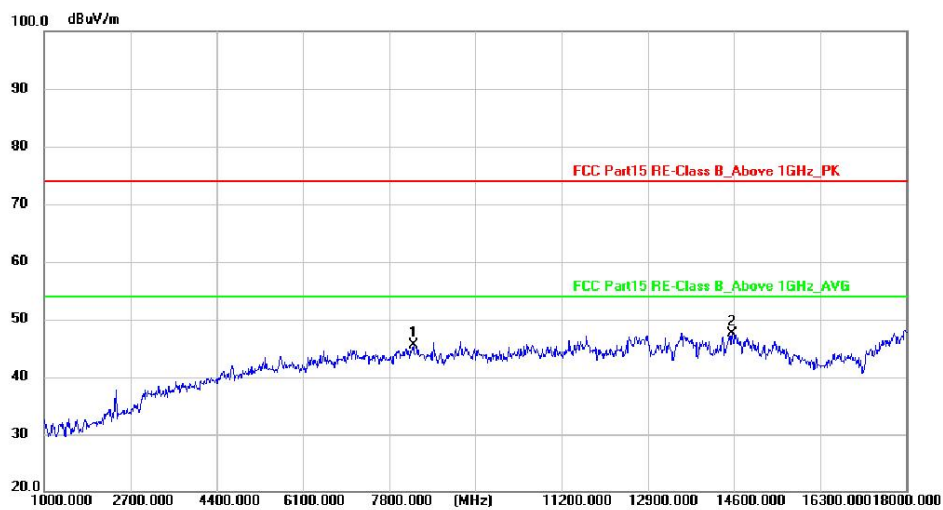


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: g 2412MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 11:30:58



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	8280.250	56.06	-10.59	45.47	74.00	-28.53	peak	150	56	P	
2 *	14566.000	54.47	-7.06	47.41	74.00	-26.59	peak	150	144	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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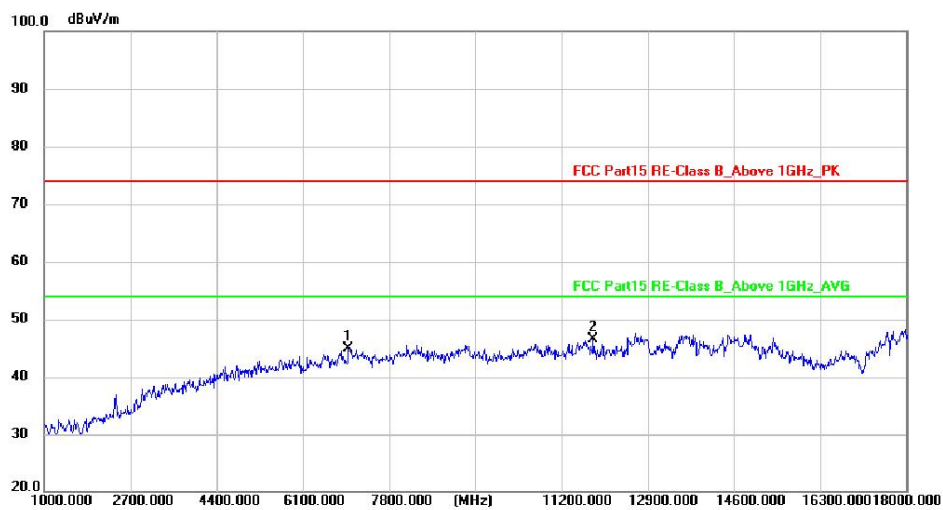
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: g 2462MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Horizontal**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 11:35:46



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	7009.500	56.21	-11.35	44.86	74.00	-29.14	peak	150	125	P	
2 *	11843.875	55.20	-8.68	46.52	74.00	-27.48	peak	150	296	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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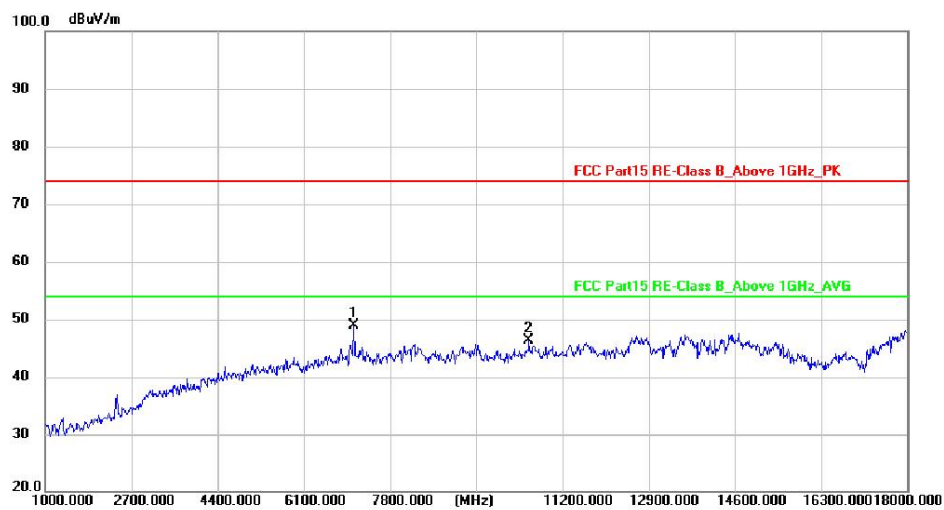
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: g 2462MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 11:40:02



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	7092.375	60.19	-11.30	48.89	74.00	-25.11	peak	150	218	P	
2	10551.875	55.63	-9.39	46.24	74.00	-27.76	peak	150	215	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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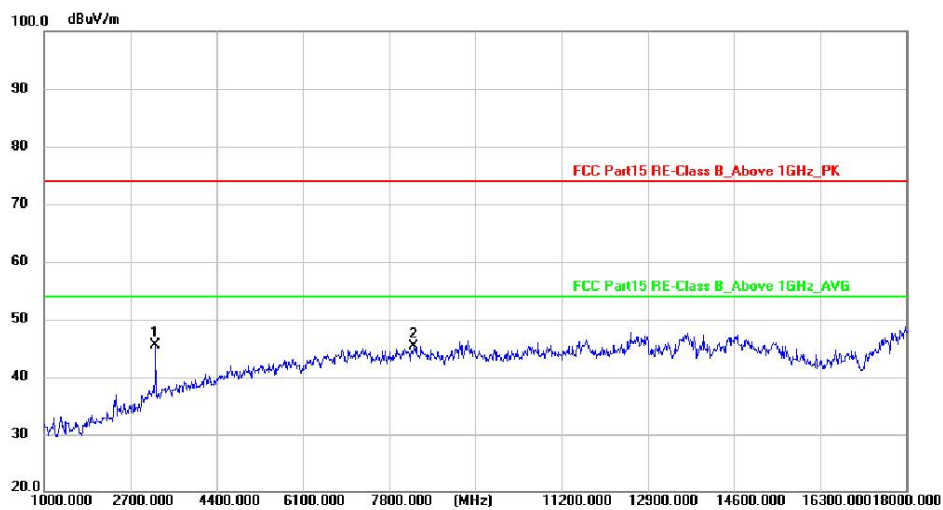
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: n20 2412MHz
Test Voltage: DC 14.4V
Note:

Polarization: **Vertical**
Distance: 3m
Test Engineer: Felix

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 11:45:11



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	3195.125	66.87	-21.33	45.54	74.00	-28.46	peak	150	47	P	
2	8293.000	55.97	-10.59	45.38	74.00	-28.62	peak	150	152	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

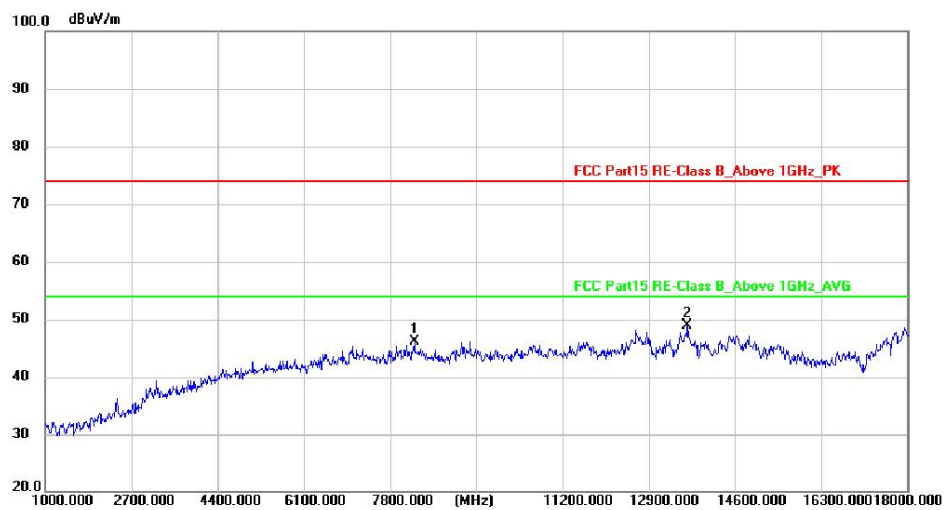


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: n20 2412MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 11:53:09



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	8276.000	56.75	-10.59	46.16	74.00	-27.84	peak	150	148	P	
2 *	13669.250	56.02	-7.14	48.88	74.00	-25.12	peak	150	62	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit

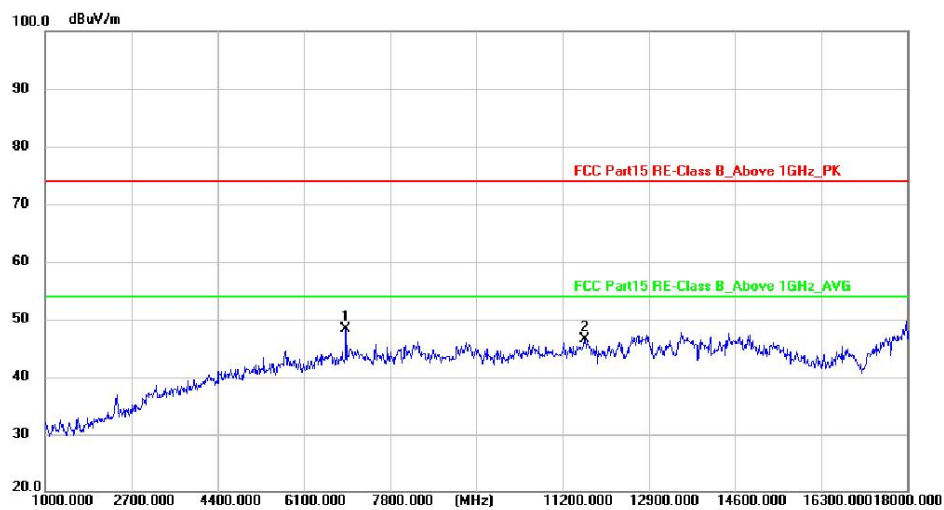


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: n20 2462MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 11:58:29



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	6933.000	59.73	-11.52	48.21	74.00	-25.79	peak	150	74	P	
2	11656.875	55.20	-8.74	46.46	74.00	-27.54	peak	150	38	P	

Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit