

Appendix A: Test Results of 2.4GHz SRD

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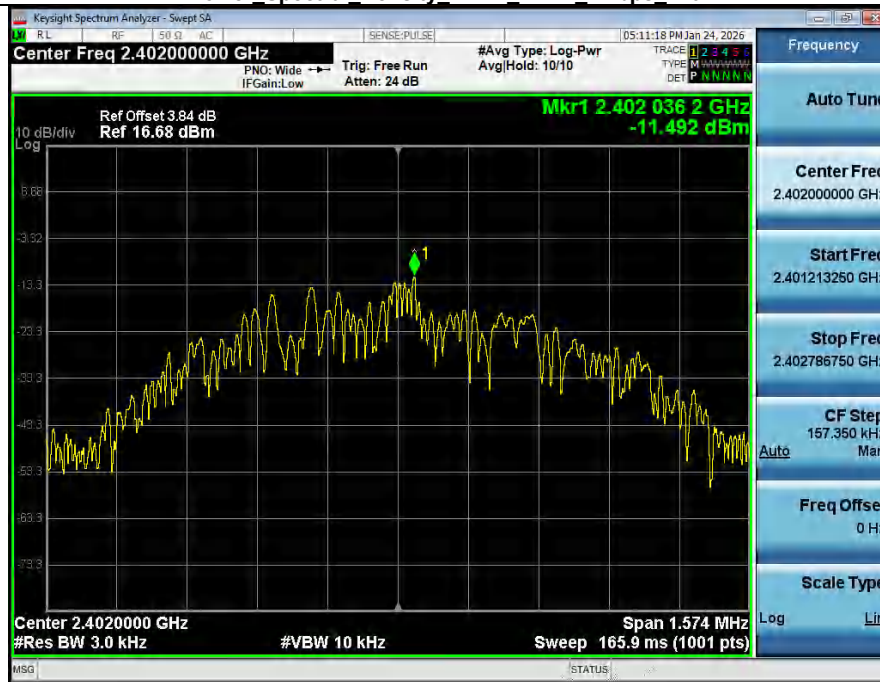
Appendix A.1: Test Results of Conducted Peak Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit (mW)	Gain (dBi)	Max.EIRP (dBm)	Limit (dBm)	Result
NVNT	ANT1	1Mbps	2402.00	5.37	3.44	1000	1.70	7.07	36	Pass
NVNT	ANT1	1Mbps	2440.00	5.13	3.26	1000	1.70	6.83	36	Pass
NVNT	ANT1	1Mbps	2480.00	4.87	3.07	1000	1.70	6.57	36	Pass
NVNT	ANT1	2Mbps	2402.00	5.38	3.46	1000	1.70	7.08	36	Pass
NVNT	ANT1	2Mbps	2440.00	5.09	3.23	1000	1.70	6.79	36	Pass
NVNT	ANT1	2Mbps	2480.00	4.92	3.11	1000	1.70	6.62	36	Pass

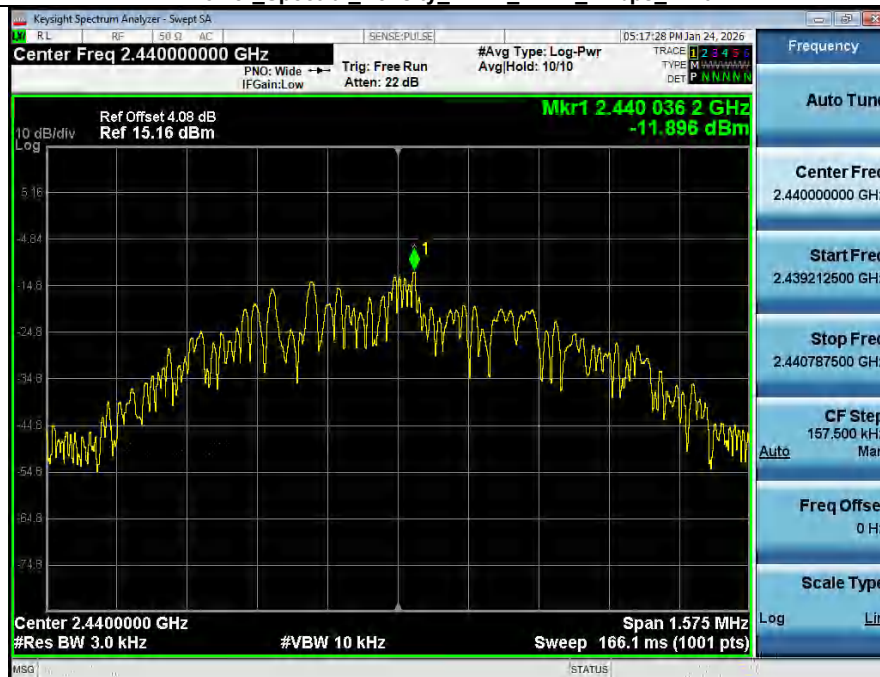
Appendix A.2: Test Results of Conducted Power Spectral Density

Condition	Antenna	Rate	Frequency (MHz)	Power Spectral Density(dBm/3kHz)	Limit(dBm/3kHz)	Result
NVNT	ANT1	1Mbps	2402.00	-11.49	8	Pass
NVNT	ANT1	1Mbps	2440.00	-11.90	8	Pass
NVNT	ANT1	1Mbps	2480.00	-12.07	8	Pass
NVNT	ANT1	2Mbps	2402.00	-12.73	8	Pass
NVNT	ANT1	2Mbps	2440.00	-12.98	8	Pass
NVNT	ANT1	2Mbps	2480.00	-13.20	8	Pass

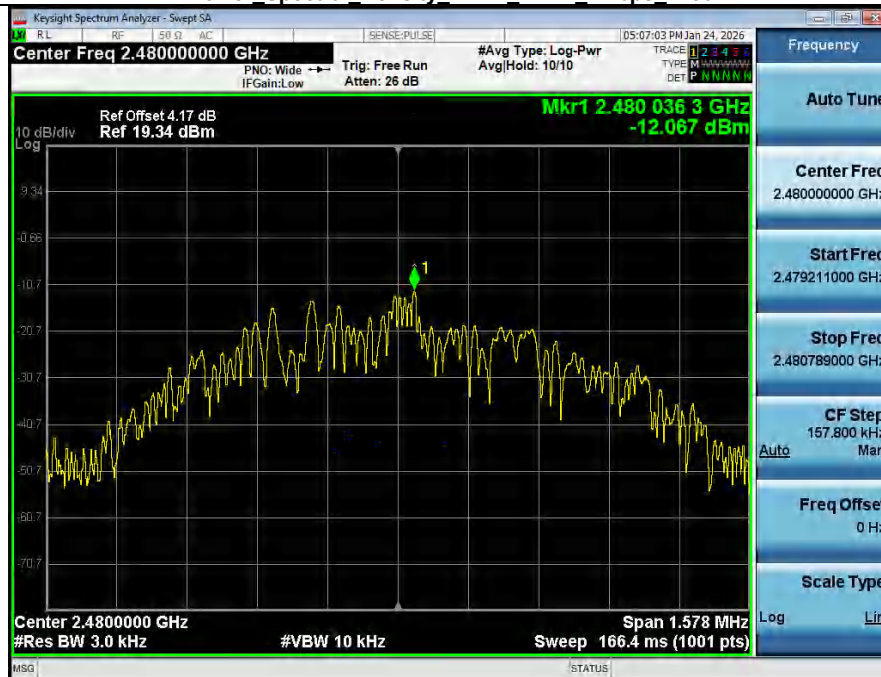
Power Spectral Density_NVNT_ANT1_1Mbps_2402



Power Spectral Density_NVNT_ANT1_1Mbps_2440



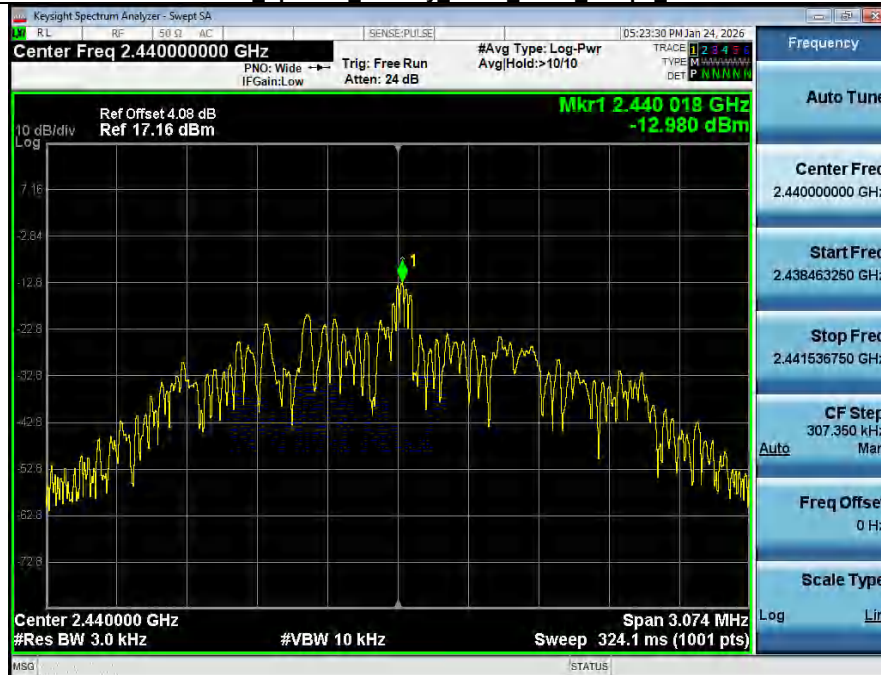
Power Spectral Density NVNT ANT1 1Mbps 2480



Power Spectral Density NVNT ANT1 2Mbps 2402



Power Spectral Density NVNT ANT1 2Mbps 2440

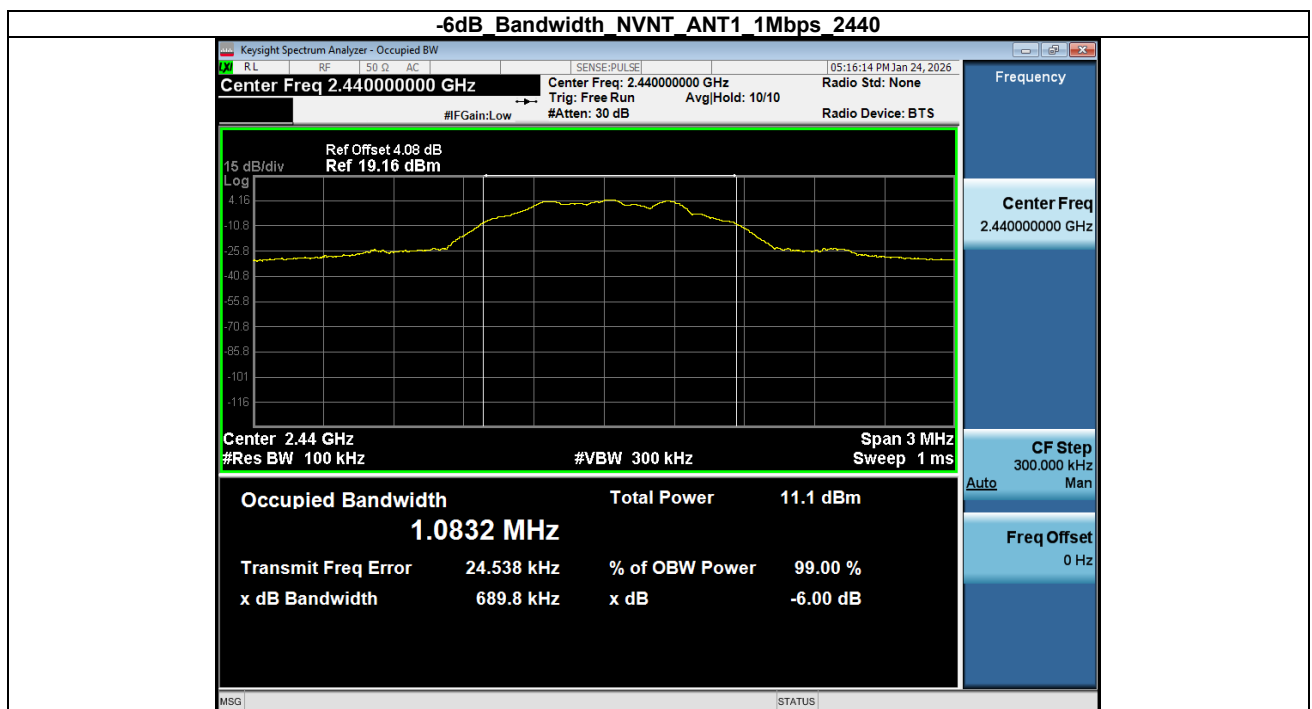
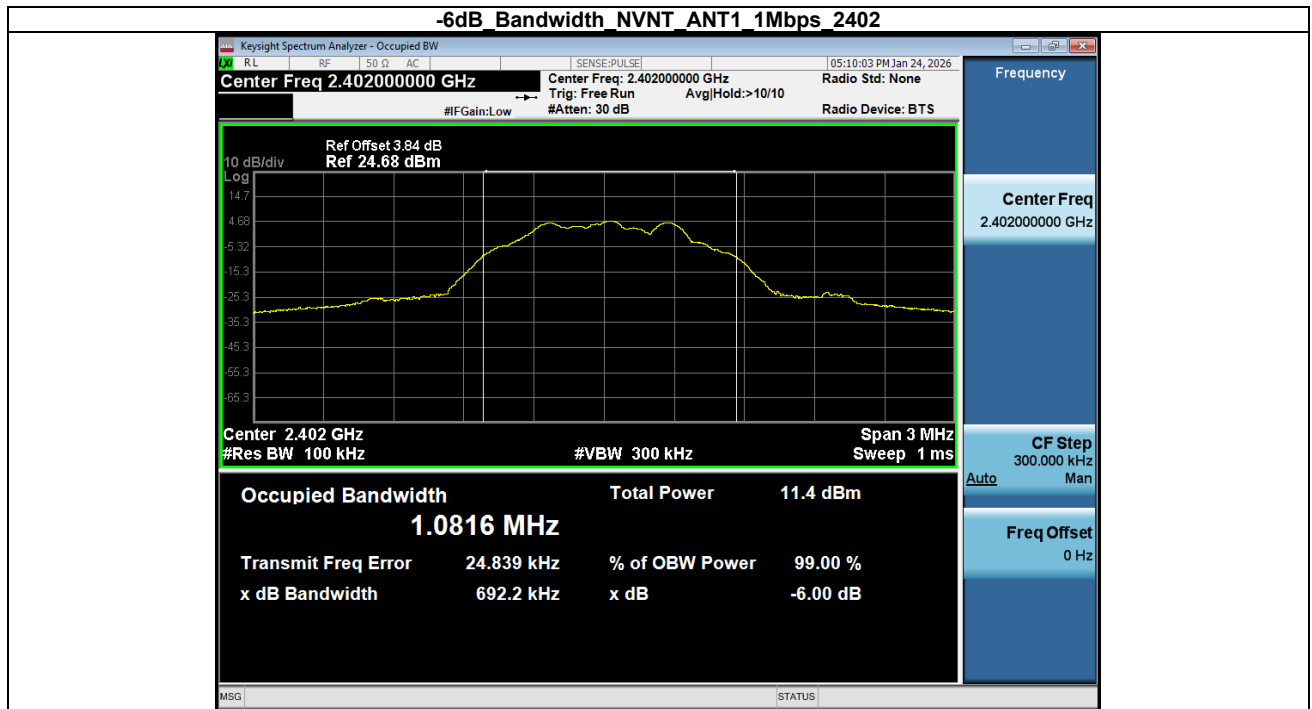


Power Spectral Density NVNT ANT1 2Mbps 2480

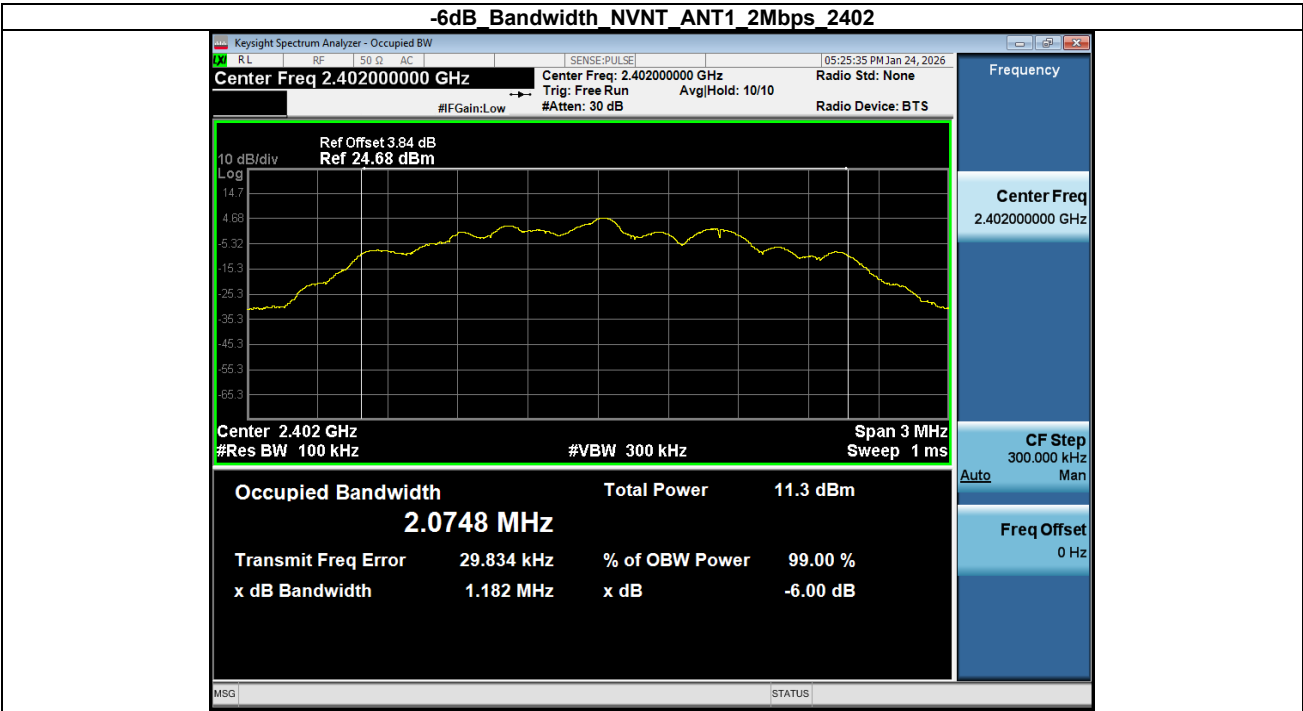
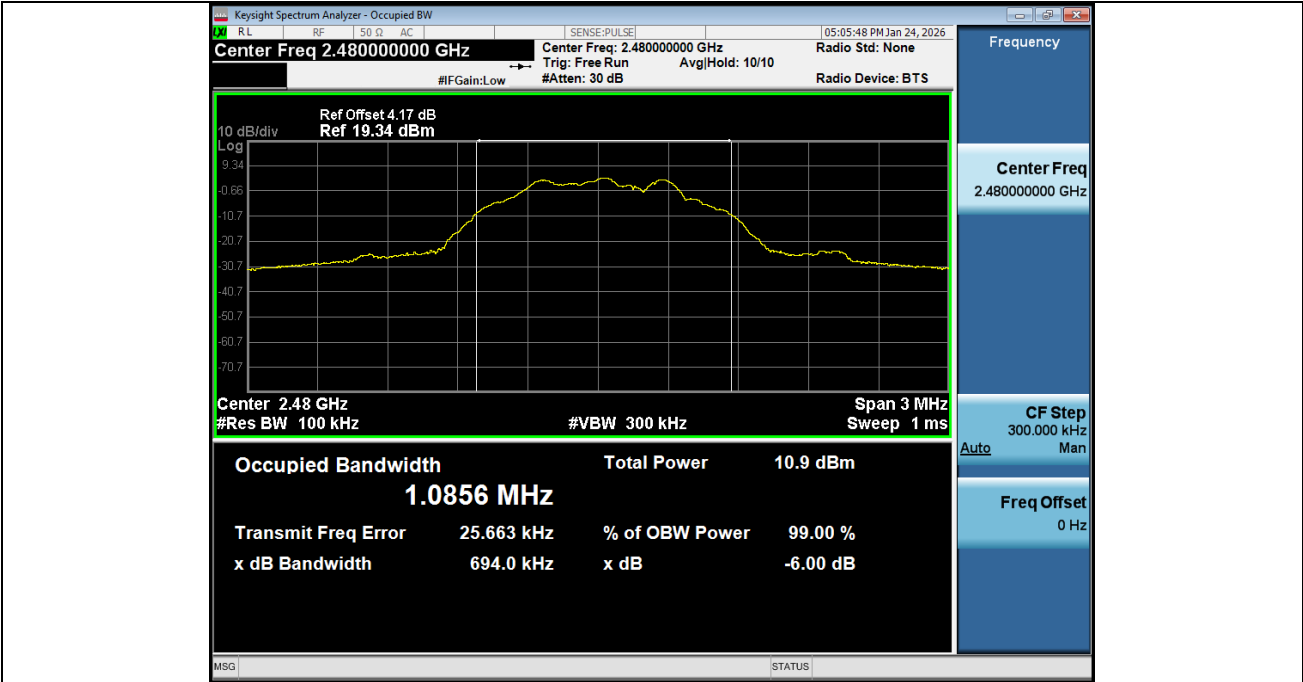


Appendix A.3: Test Results of 6dB Bandwidth

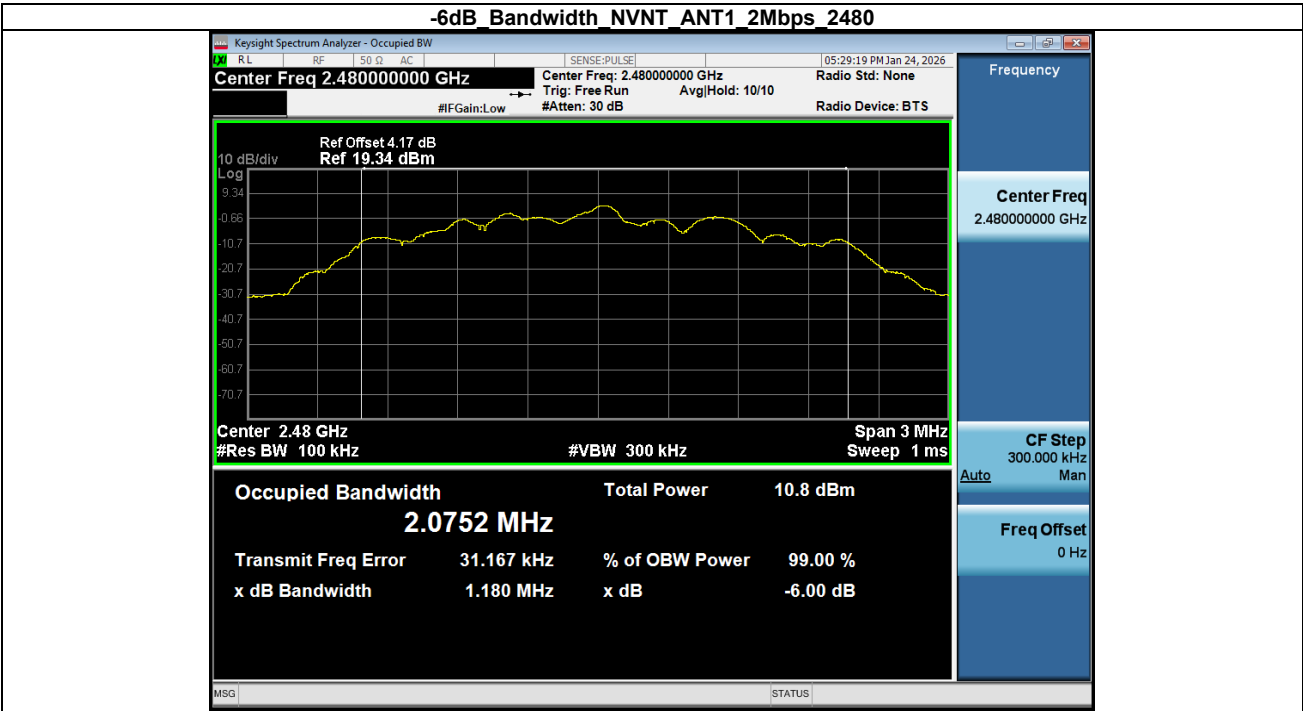
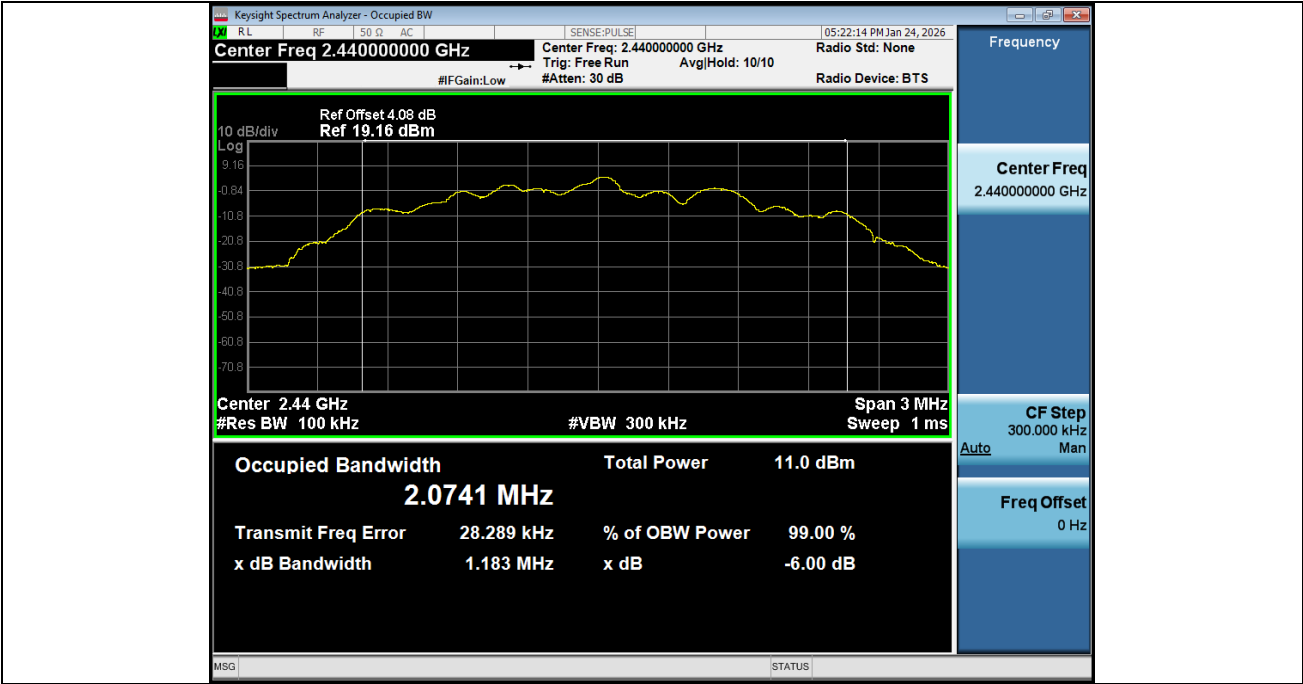
Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	692.21	500	Pass
NVNT	ANT1	1Mbps	2440.00	689.79	500	Pass
NVNT	ANT1	1Mbps	2480.00	694.02	500	Pass
NVNT	ANT1	2Mbps	2402.00	1182.35	500	Pass
NVNT	ANT1	2Mbps	2440.00	1183.37	500	Pass
NVNT	ANT1	2Mbps	2480.00	1179.66	500	Pass



-6dB Bandwidth NVNT ANT1 1Mbps 2480



-6dB_Bandwidth_NVNT_ANT1_2Mbps_2440



Appendix A.4: Test Results of 99% Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.049
NVNT	ANT1	1Mbps	2440.00	1.050
NVNT	ANT1	1Mbps	2480.00	1.052
NVNT	ANT1	2Mbps	2402.00	2.047
NVNT	ANT1	2Mbps	2440.00	2.049
NVNT	ANT1	2Mbps	2480.00	2.048

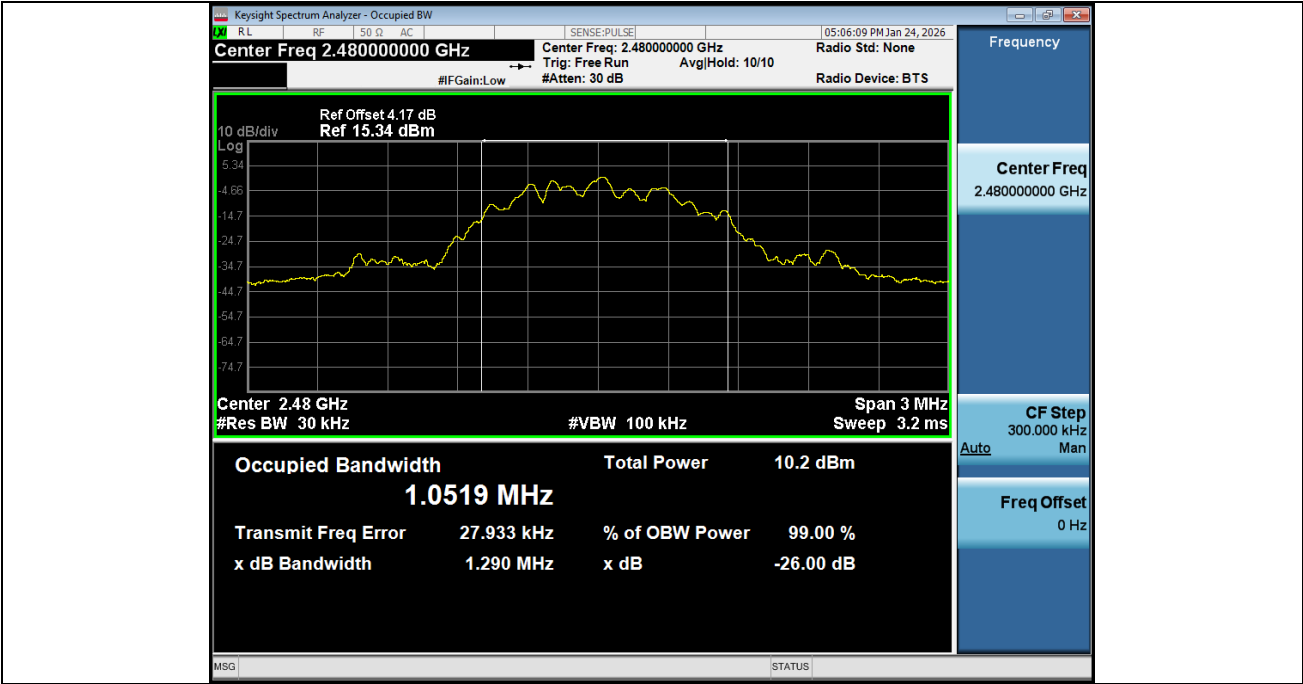
99% Occupied Bandwidth NVNT ANT1 1Mbps 2402



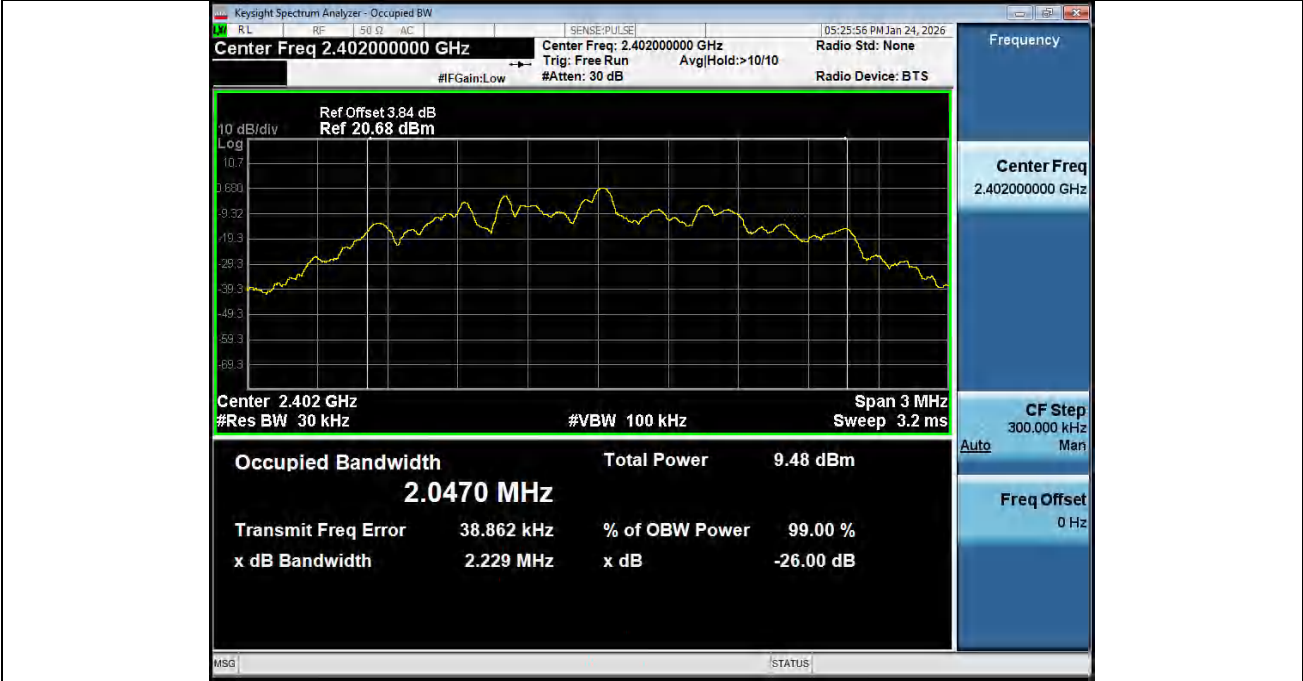
99% Occupied Bandwidth NVNT ANT1 1Mbps 2440



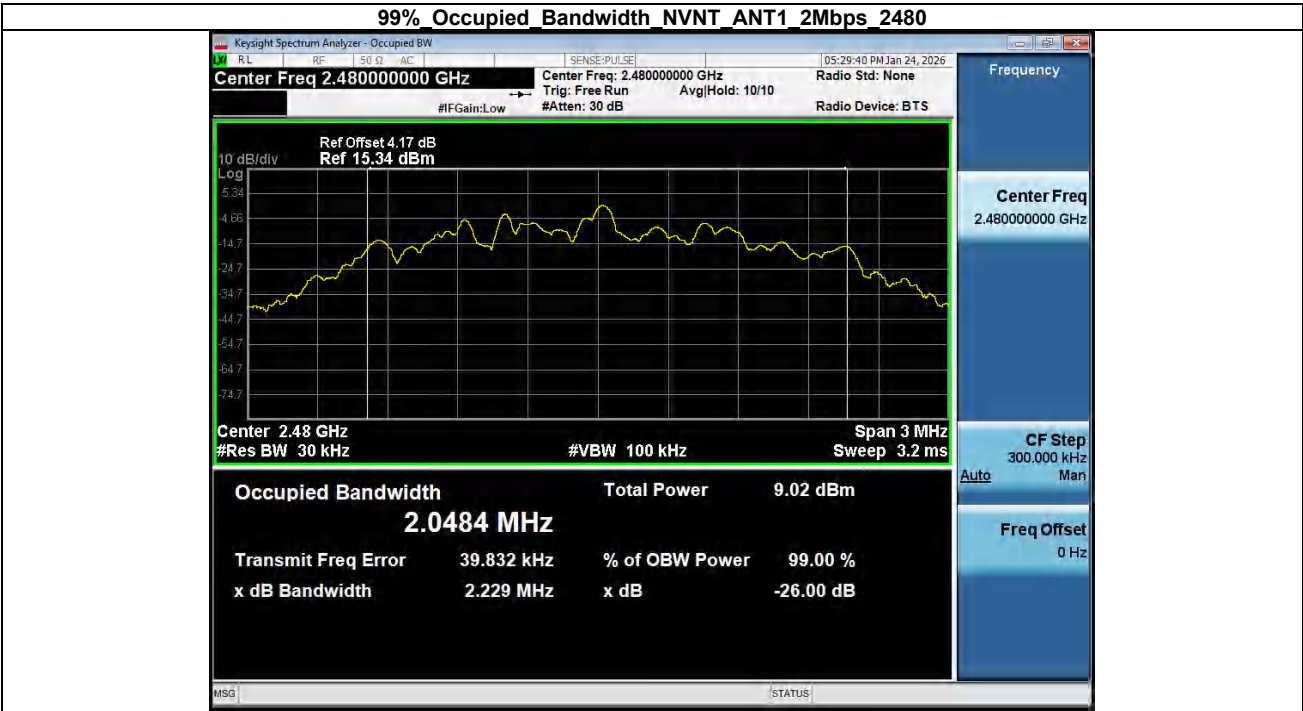
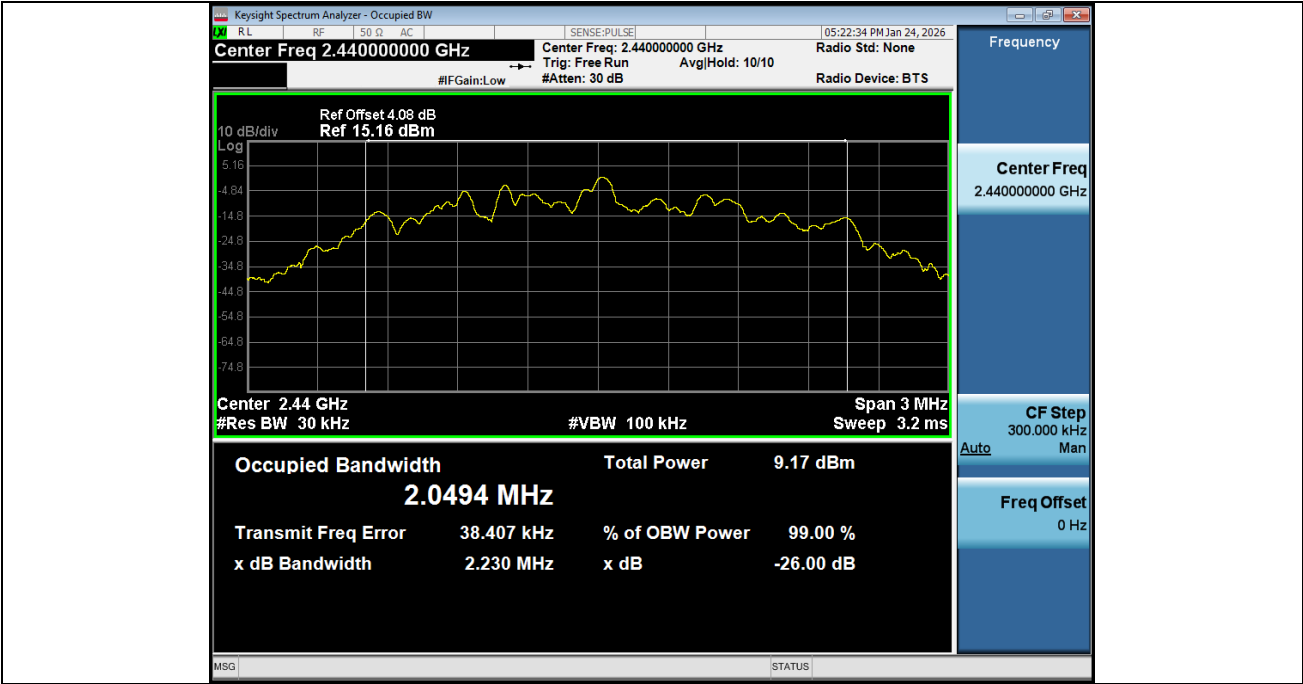
99% Occupied Bandwidth NVNT ANT1 1Mbps 2480



99% Occupied Bandwidth NVNT ANT1 2Mbps 2402



99% Occupied Bandwidth NVNT ANT1 2Mbps 2440



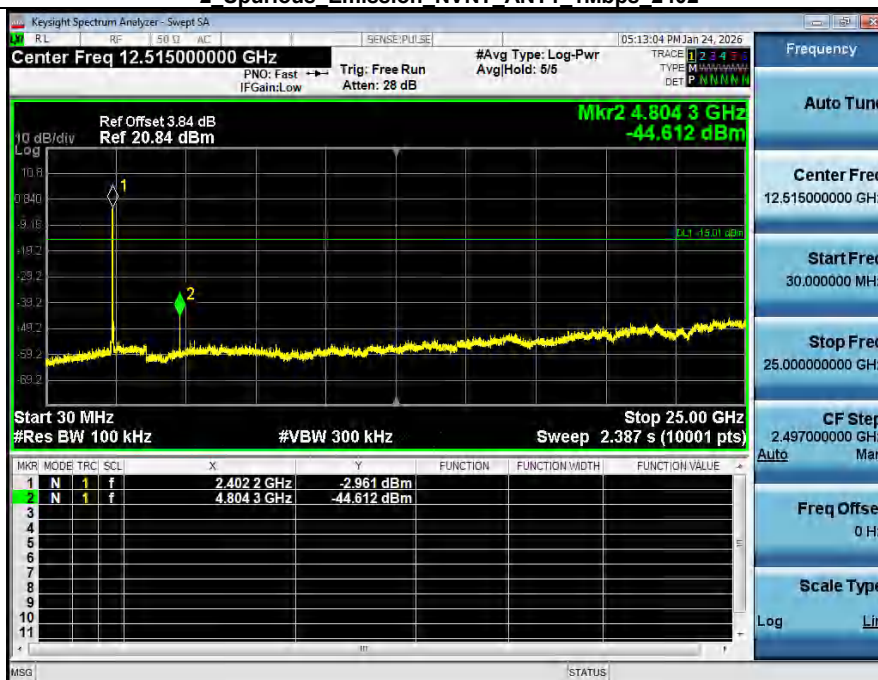
Appendix A.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Condition	Antenna	Modulation	TX_Frequency (MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	4.990	-44.612	-15.010	Pass
NVNT	ANT1	1Mbps	2440.00	4.722	-43.339	-15.278	Pass
NVNT	ANT1	1Mbps	2480.00	4.502	-49.364	-15.498	Pass
NVNT	ANT1	2Mbps	2402.00	4.970	-44.900	-15.030	Pass
NVNT	ANT1	2Mbps	2440.00	4.691	-40.170	-15.309	Pass
NVNT	ANT1	2Mbps	2480.00	4.525	-43.934	-15.475	Pass

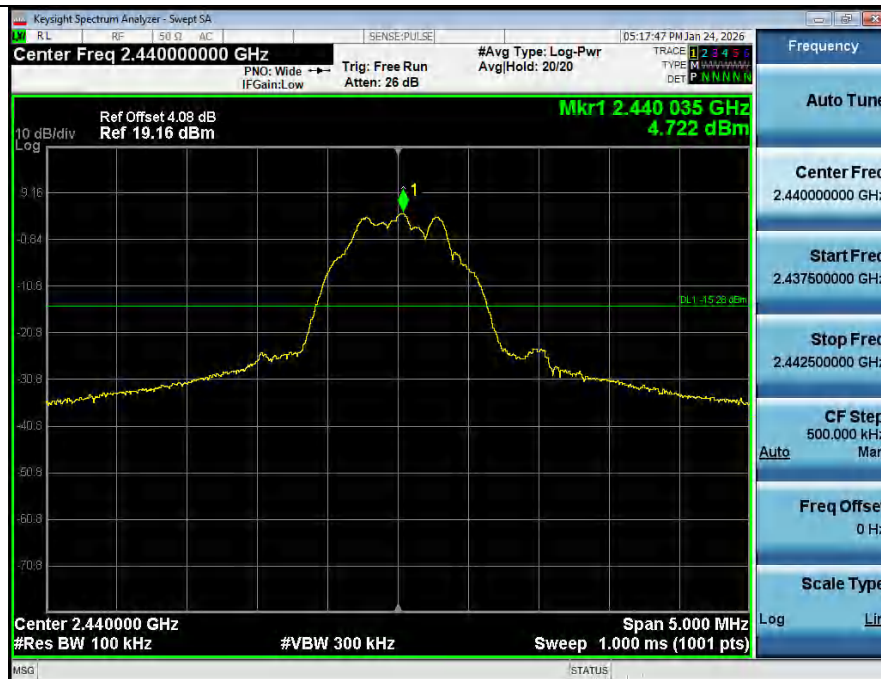
1 Reference Level NVNT ANT1 1Mbps 2402



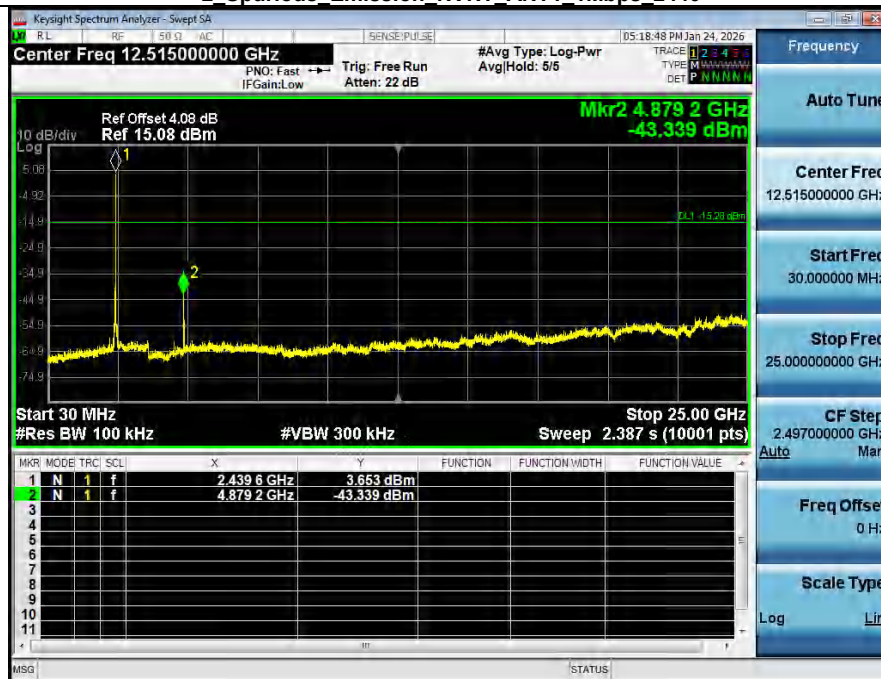
2 Spurious Emission NVNT ANT1 1Mbps 2402



1 Reference Level NVNT ANT1 1Mbps 2440



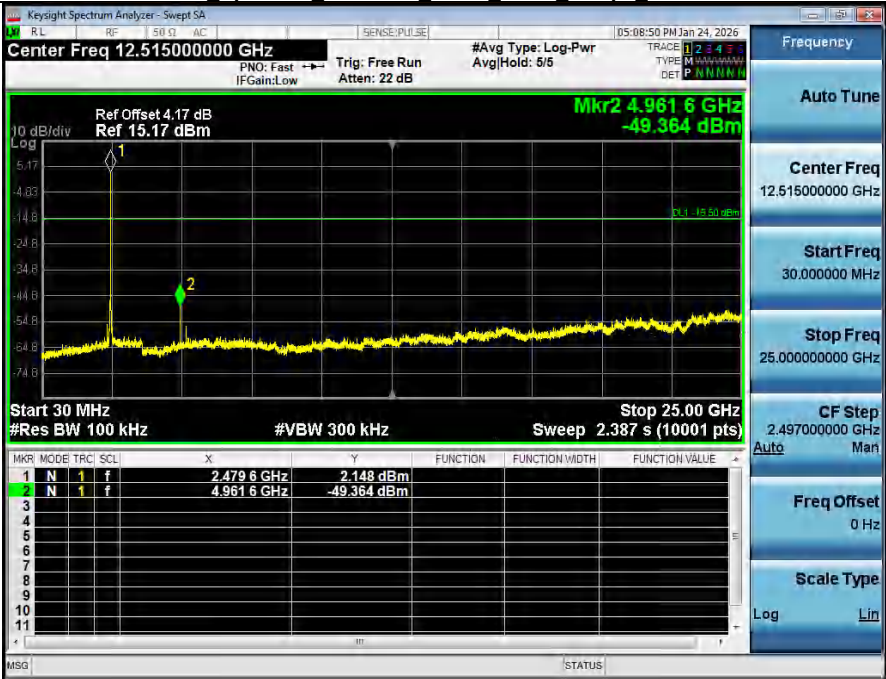
2 Spurious Emission NVNT ANT1 1Mbps 2440



1_Reference_Level_NVNT_ANT1_1Mbps_2480



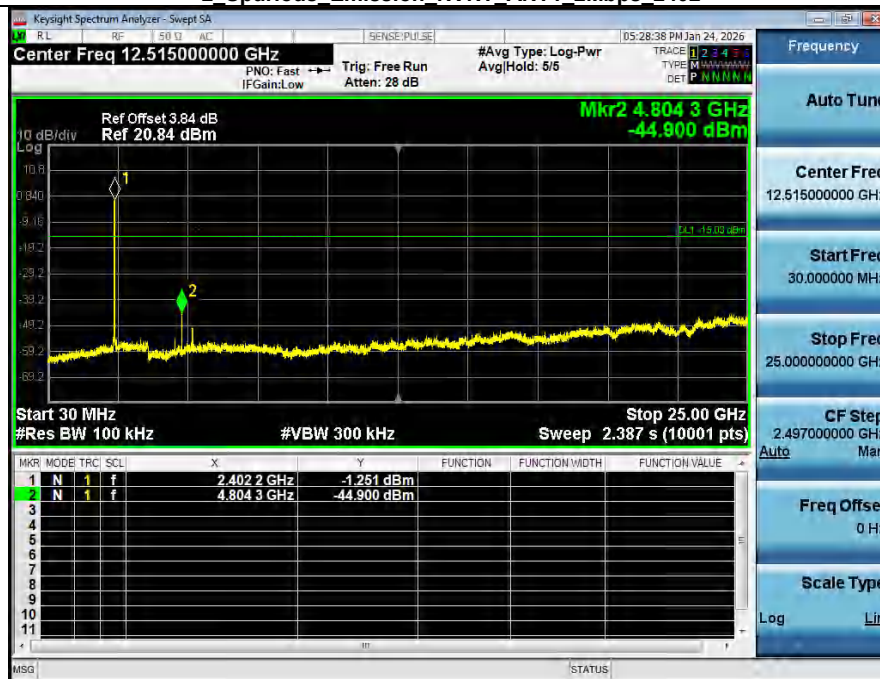
2 Spurious Emission NVNT ANT1 1Mbps 2480



1_Reference_Level_NVNT_ANT1_2Mbps_2402



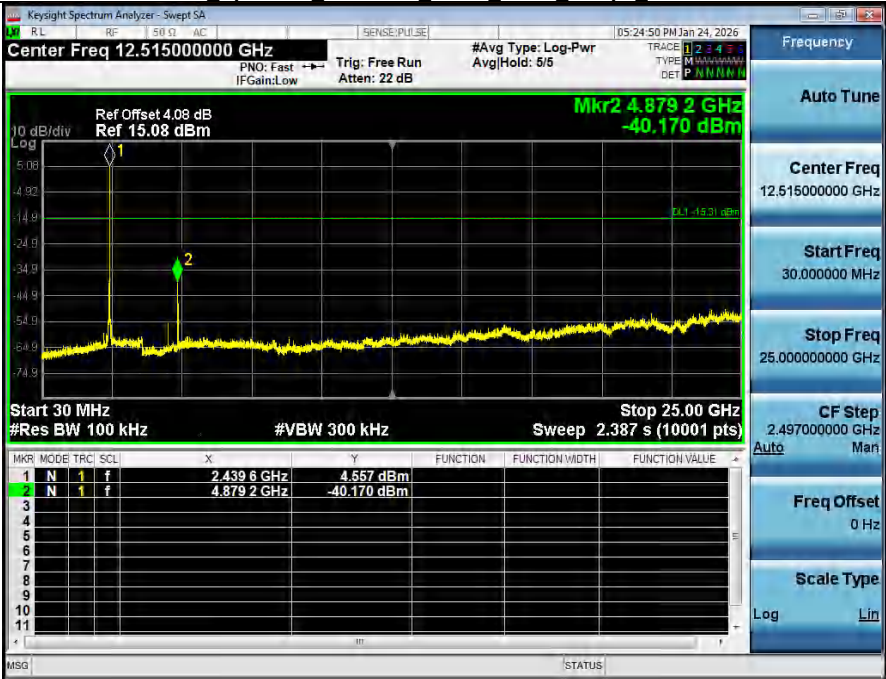
2 Spurious Emission NVNT ANT1 2Mbps 2402



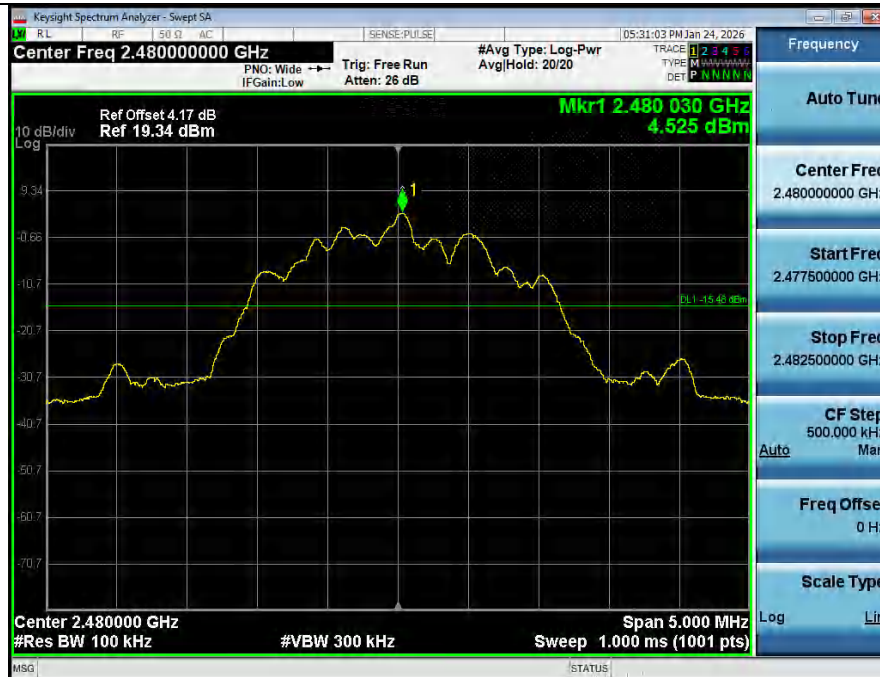
1_Reference_Level_NVNT_ANT1_2Mbps_2440



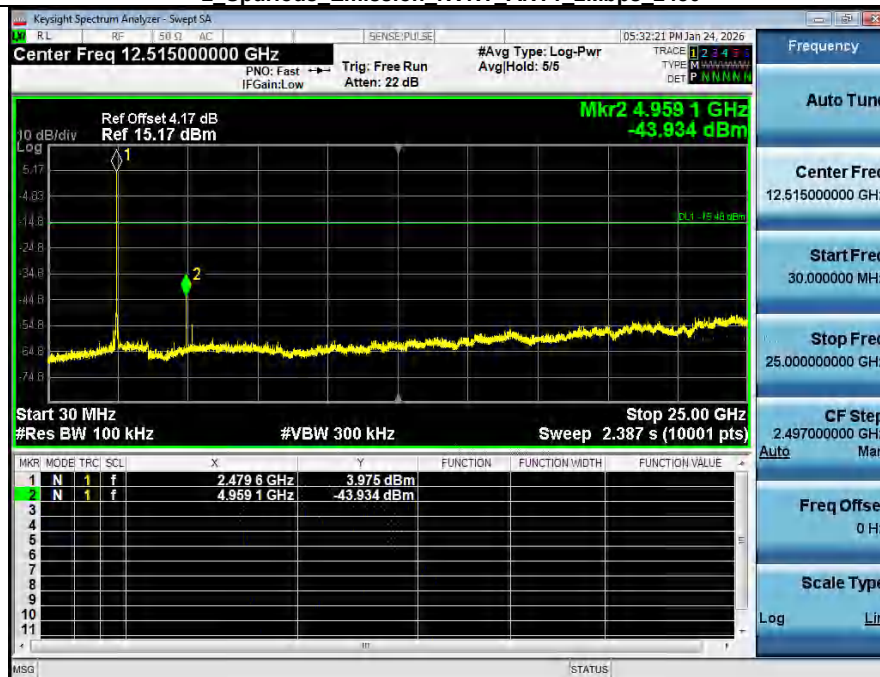
2 Spurious Emission NVNT ANT1 2Mbps 2440



1 Reference Level NVNT ANT1 2Mbps 2480



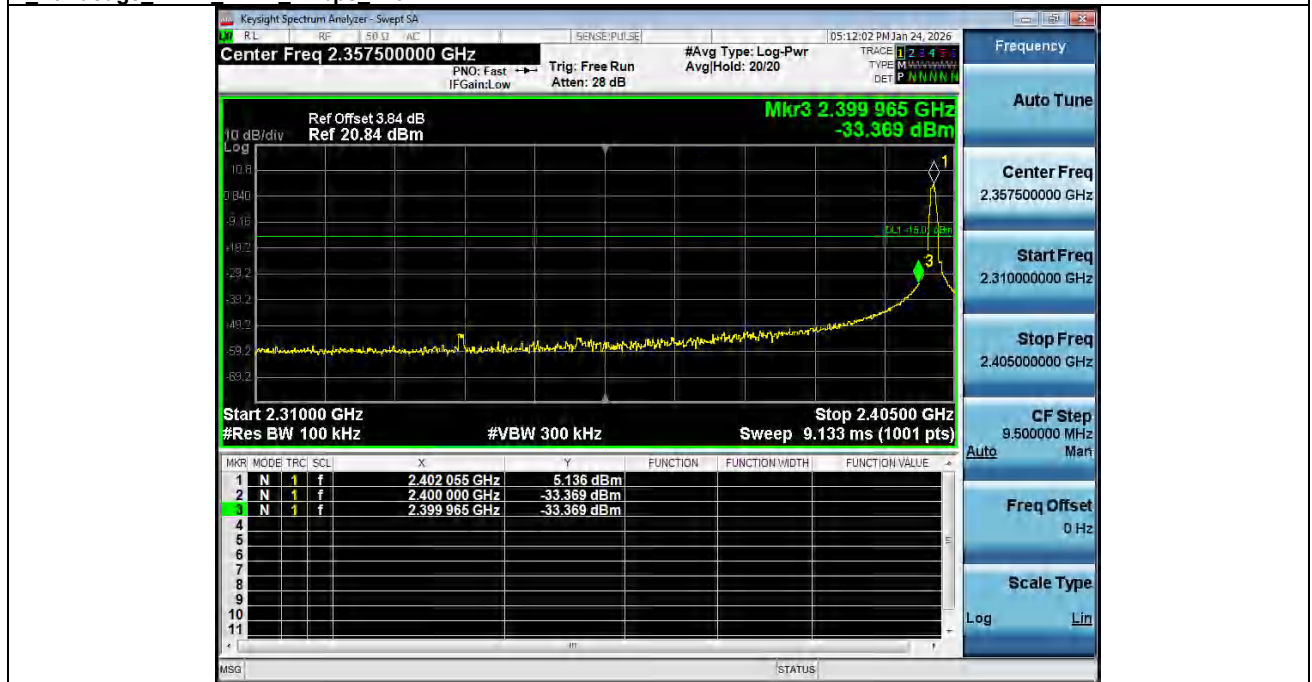
2 Spurious Emission NVNT ANT1 2Mbps 2480



Band edge:

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_freq(MHz)	Ref_level(dBm)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	1Mbps	2402.00	2399.965	4.990	-33.369	-15.010	Pass
NVNT	ANT1	1Mbps	2480.00	2483.525	4.502	-38.707	-15.498	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	4.970	-27.685	-15.030	Pass
NVNT	ANT1	2Mbps	2480.00	2483.625	4.525	-38.220	-15.475	Pass

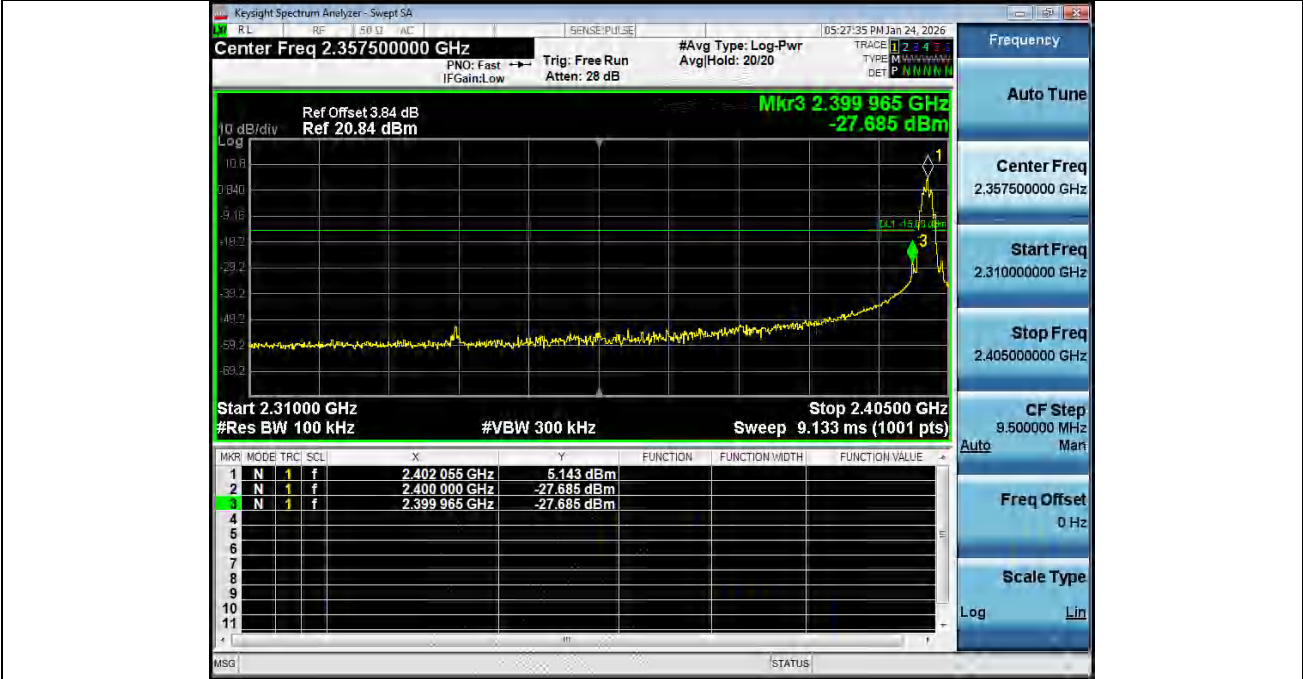
2_Bandedge_NVNT_ANT1_1Mbps_2402



2_Bandedge_NVNT_ANT1_1Mbps_2480



2 Bandedge NVNT ANT1 2Mbps 2402



2 Bandedge NVNT ANT1 2Mbps 2480



Appendix A.6: Test Results of Radiated Spurious Emissions

Note 1: 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.

Note 2: The highest emissions are the fundamental waves.

Note 3: All modes and ports tested, only the worst-case reported.

30MHz - 1GHz

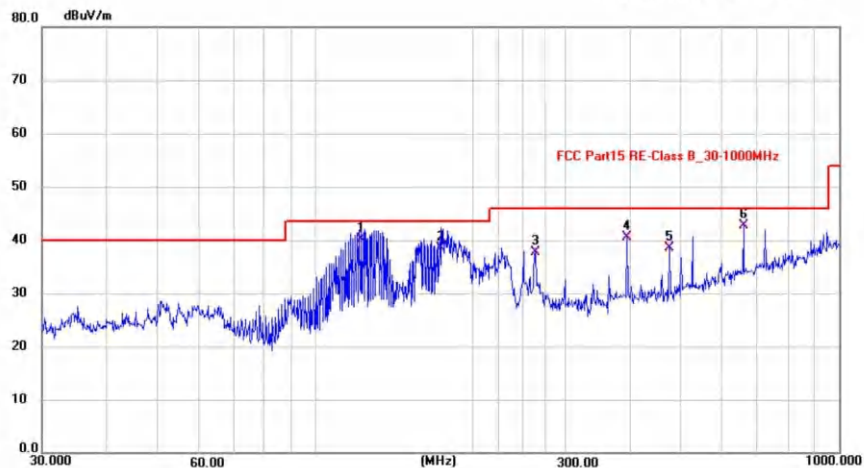


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeTrak WT	Test Engineer: Felix	
Test Mode: 1Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/13 10:31:04



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	122.5651	26.79	13.33	40.12	43.50	-3.38	QP	100	43	P	
2	173.8897	24.80	13.76	38.56	43.50	-4.94	QP	100	34	P	
3	263.0106	23.92	13.86	37.78	46.00	-8.22	QP	100	146	P	
4	394.3355	22.97	17.44	40.41	46.00	-5.59	QP	100	256	P	
5	475.2907	19.17	19.43	38.60	46.00	-7.40	QP	100	274	P	
6 *	657.3938	19.68	23.11	42.79	46.00	-3.21	QP	100	254	P	

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

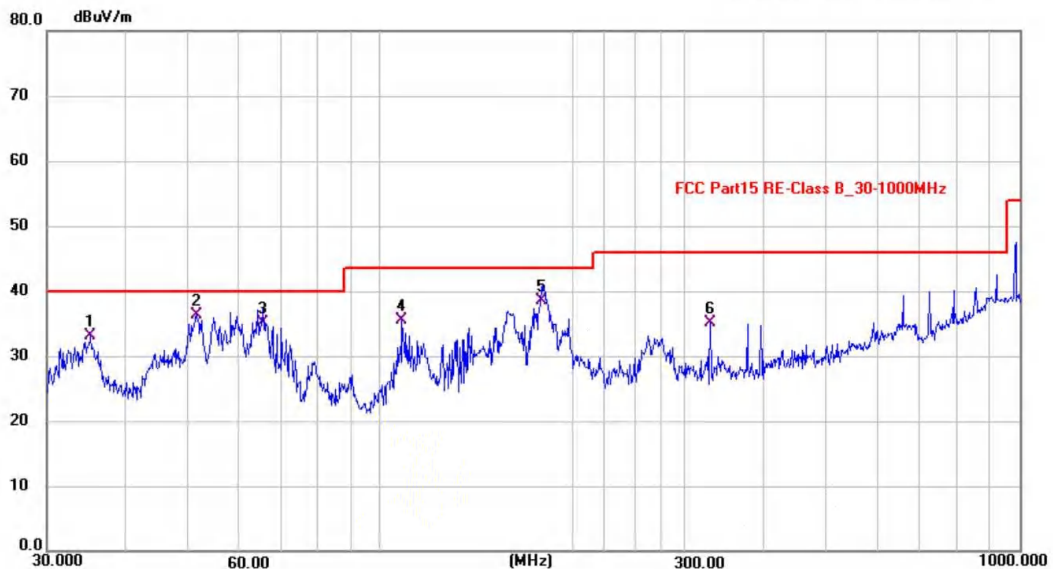


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeTrak WT	Test Engineer: Felix	
Test Mode: 1Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/13 10:25:40



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	35.1739	19.62	13.57	33.19	40.00	-6.81	QP	100	13	P	
2 *	51.5936	22.67	13.66	36.33	40.00	-3.67	QP	100	166	P	
3	65.3718	22.87	12.25	35.12	40.00	-4.88	QP	100	226	P	
4	108.0296	23.69	11.80	35.49	43.50	-8.01	QP	100	248	P	
5	178.6018	25.40	13.08	38.48	43.50	-5.02	QP	100	0	P	
6	328.4626	19.08	15.97	35.05	46.00	-10.95	QP	100	150	P	

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

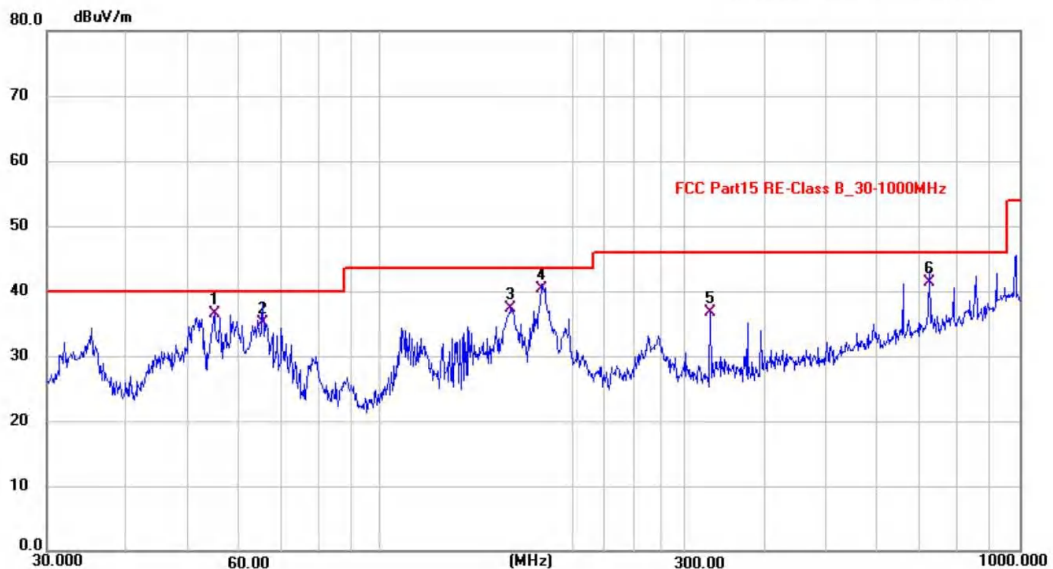


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeTrak WT	Test Engineer: Felix	
Test Mode: 1Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/13 10:20:03



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	54.8830	22.90	13.51	36.41	40.00	-3.59	QP	100	235	P	
2	65.4005	22.91	12.24	35.15	40.00	-4.85	QP	100	154	P	
3	159.9244	22.12	15.17	37.29	43.50	-6.21	QP	100	123	P	
4 *	179.3077	27.35	12.97	40.32	43.50	-3.18	QP	100	160	P	
5	328.7506	20.64	15.98	36.62	46.00	-9.38	QP	100	13	P	
6	722.9923	17.07	24.15	41.22	46.00	-4.78	QP	100	160	P	

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

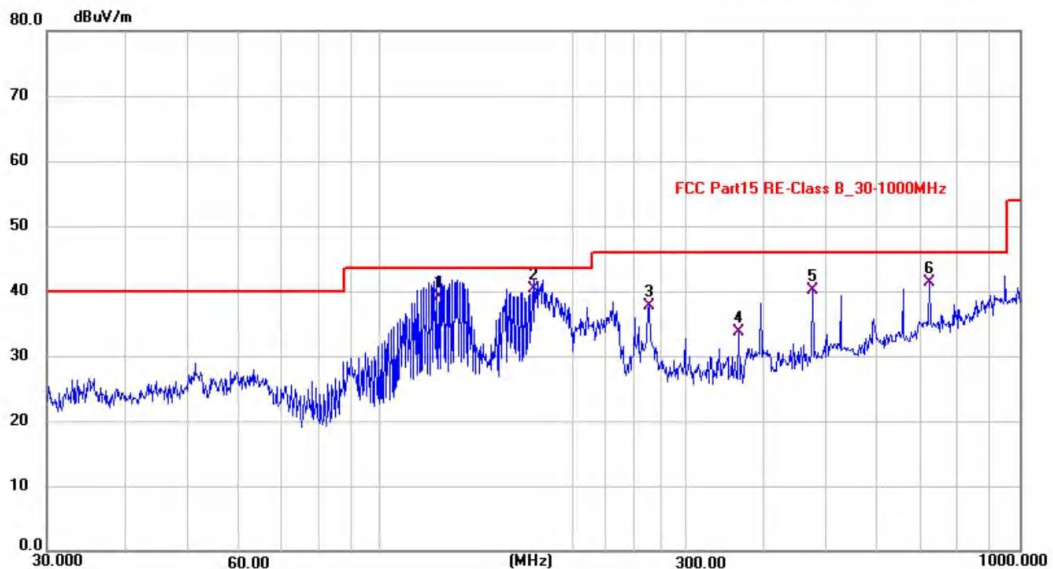


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeTrak WT	Test Engineer: Felix	
Test Mode: 1Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/13 10:14:37



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	123.8069	25.74	13.41	39.15	43.50	-4.35	QP	100	213	P	
2 *	173.9659	26.51	13.75	40.26	43.50	-3.24	QP	100	125	P	
3	262.8955	23.83	13.85	37.68	46.00	-8.32	QP	100	145	P	
4	364.1000	16.78	16.85	33.63	46.00	-12.37	QP	100	146	P	
5	475.2907	20.72	19.43	40.15	46.00	-5.85	QP	100	12	P	
6	723.3093	17.13	24.15	41.28	46.00	-4.72	QP	100	177	P	

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