

Appendix A: Test Results of 2.4GHz SRD

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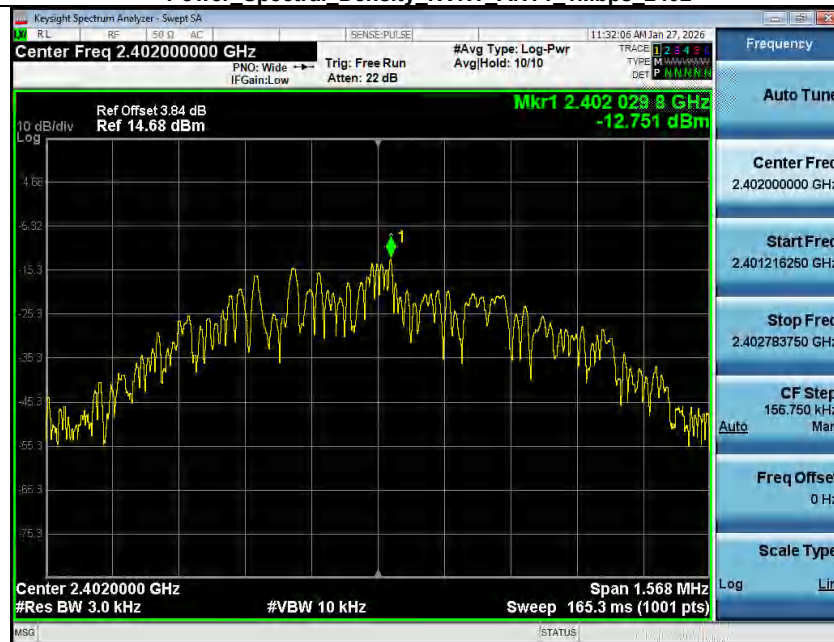
Appendix A.1: Test Results of Conducted Peak Power

Condition	Antenna	Rate	Frequency (MHz)	Max. Conducted Power(dBm)	Limit (mW)	Gain (dBi)	Max.EIRP (dBm)	Limit (dBm)	Result
NVNT	ANT1	1Mbps	2402.00	5.37	1000	4.64	10.01	36	Pass
NVNT	ANT1	1Mbps	2440.00	5.13	1000	4.64	9.77	36	Pass
NVNT	ANT1	1Mbps	2480.00	4.87	1000	4.64	9.51	36	Pass
NVNT	ANT1	2Mbps	2402.00	5.38	1000	4.64	10.02	36	Pass
NVNT	ANT1	2Mbps	2440.00	5.09	1000	4.64	9.73	36	Pass
NVNT	ANT1	2Mbps	2480.00	4.92	1000	4.64	9.56	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	-12.75	8	Pass
NVNT	ANT1	1Mbps	2440.00	-13.13	8	Pass
NVNT	ANT1	1Mbps	2480.00	-15.64	8	Pass
NVNT	ANT1	2Mbps	2402.00	-13.73	8	Pass
NVNT	ANT1	2Mbps	2440.00	-14.13	8	Pass
NVNT	ANT1	2Mbps	2480.00	-16.66	8	Pass

Power Spectral Density NVNT ANT1 1Mbps 2402



Power Spectral Density NVNT ANT1 1Mbps 2440

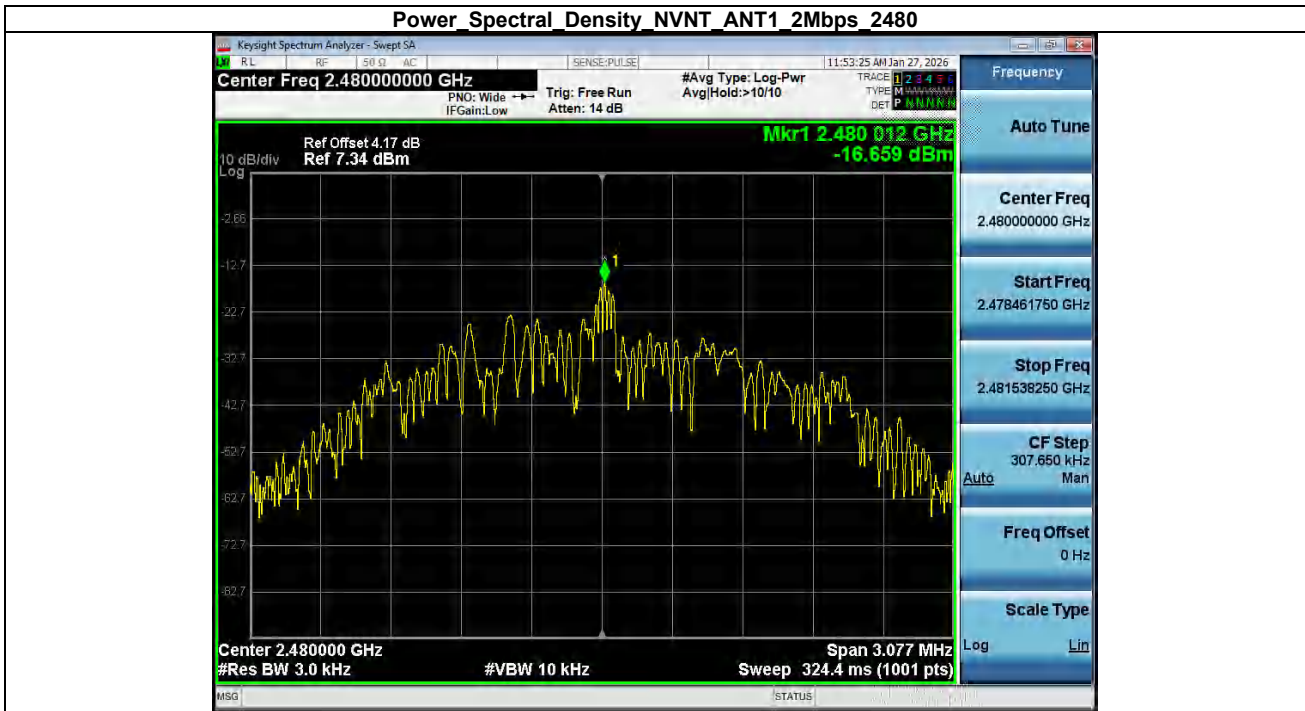
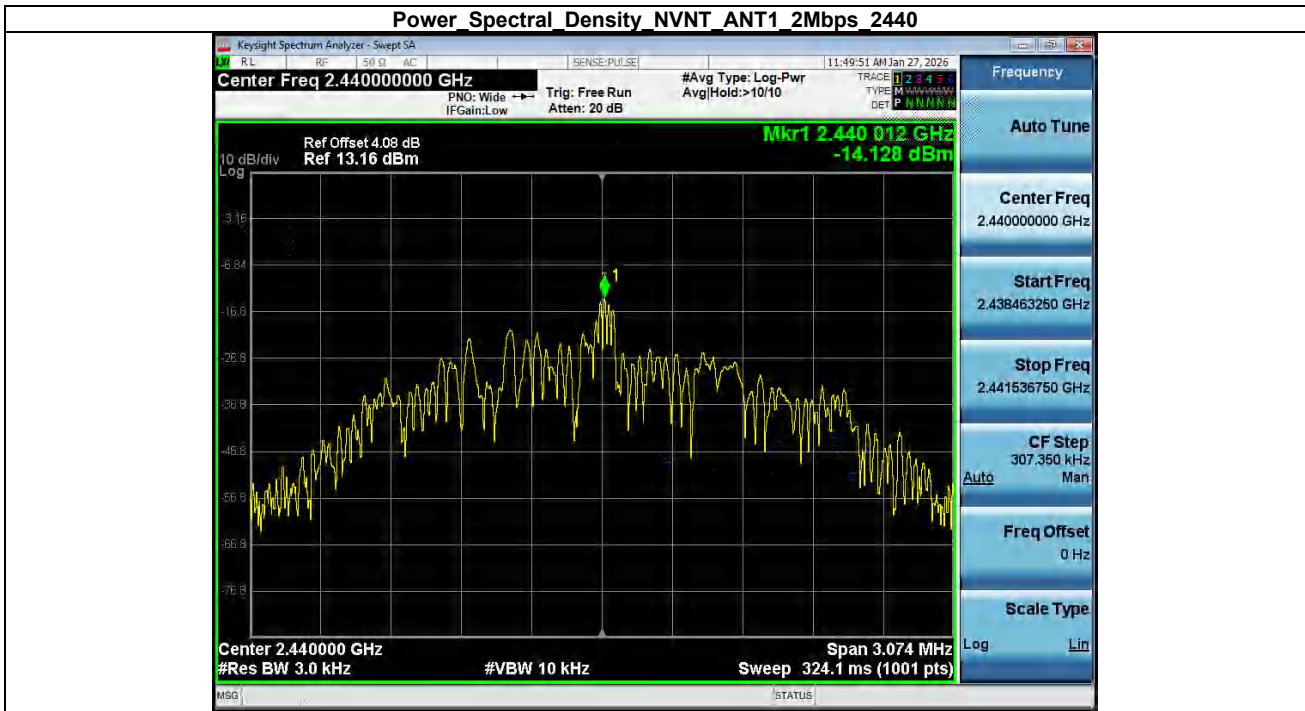


Power Spectral Density NVNT ANT1 1Mbps 2480



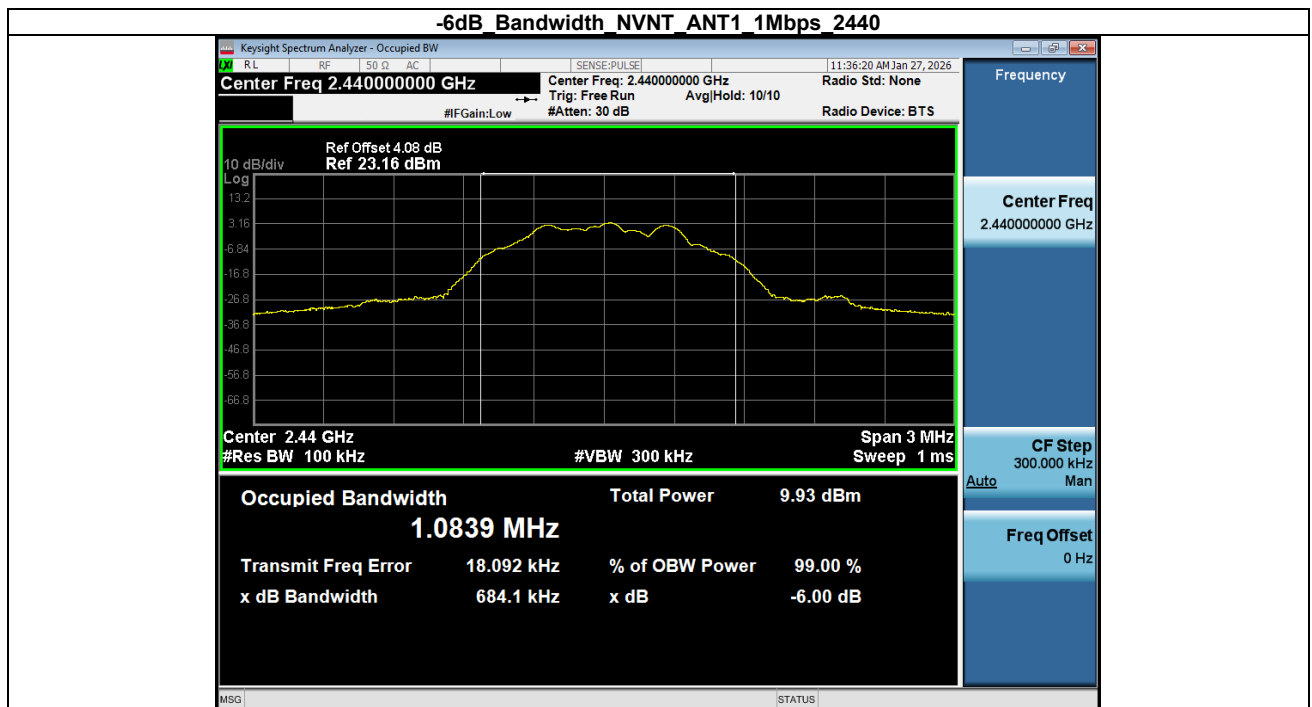
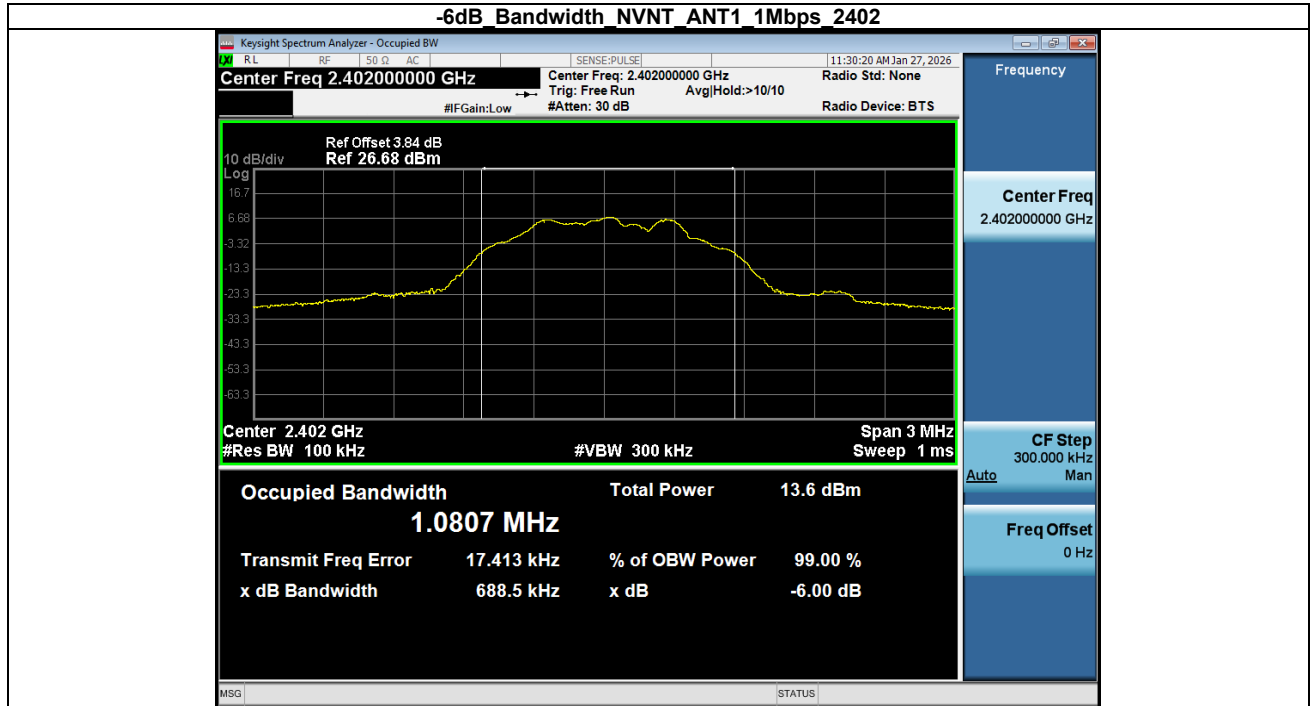
Power Spectral Density NVNT ANT1 2Mbps 2402



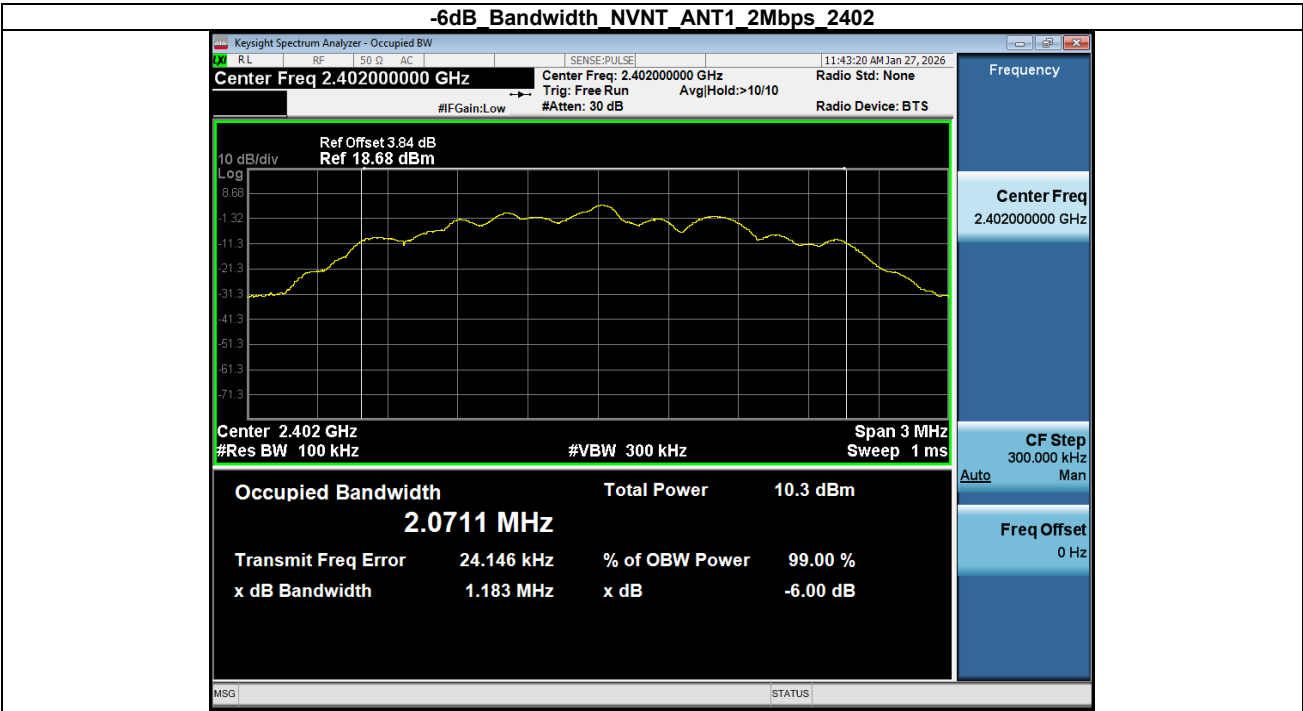
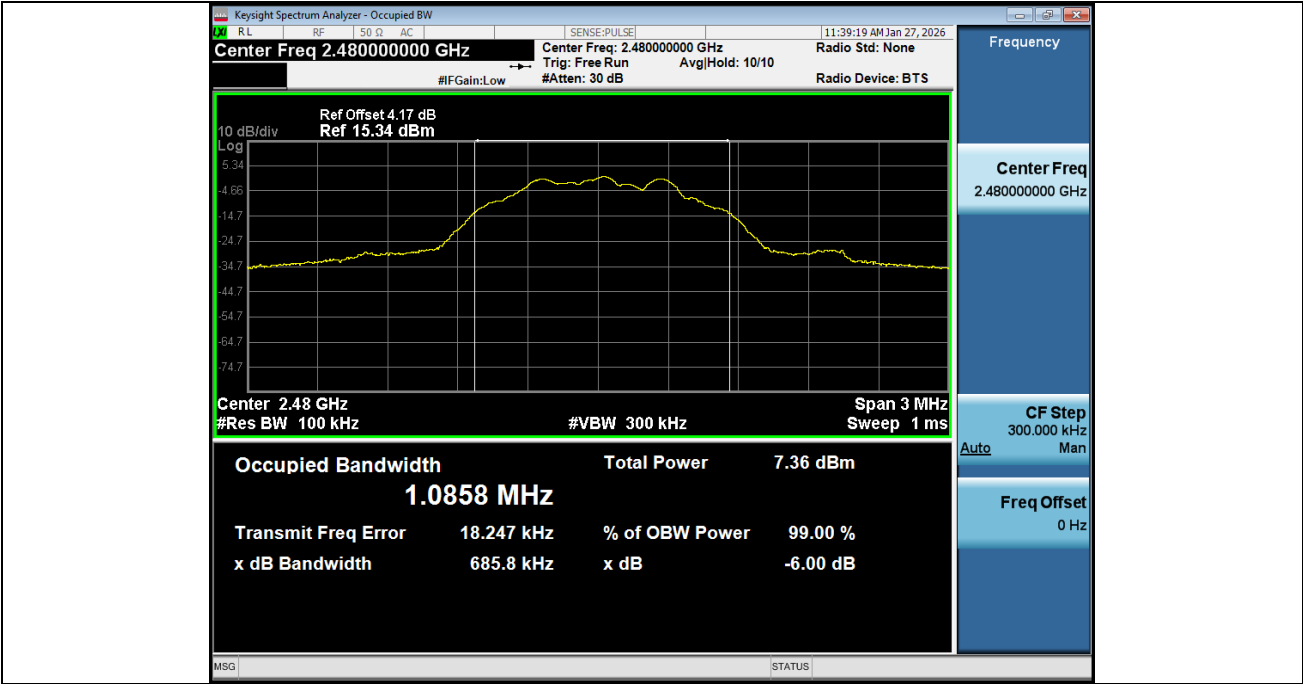


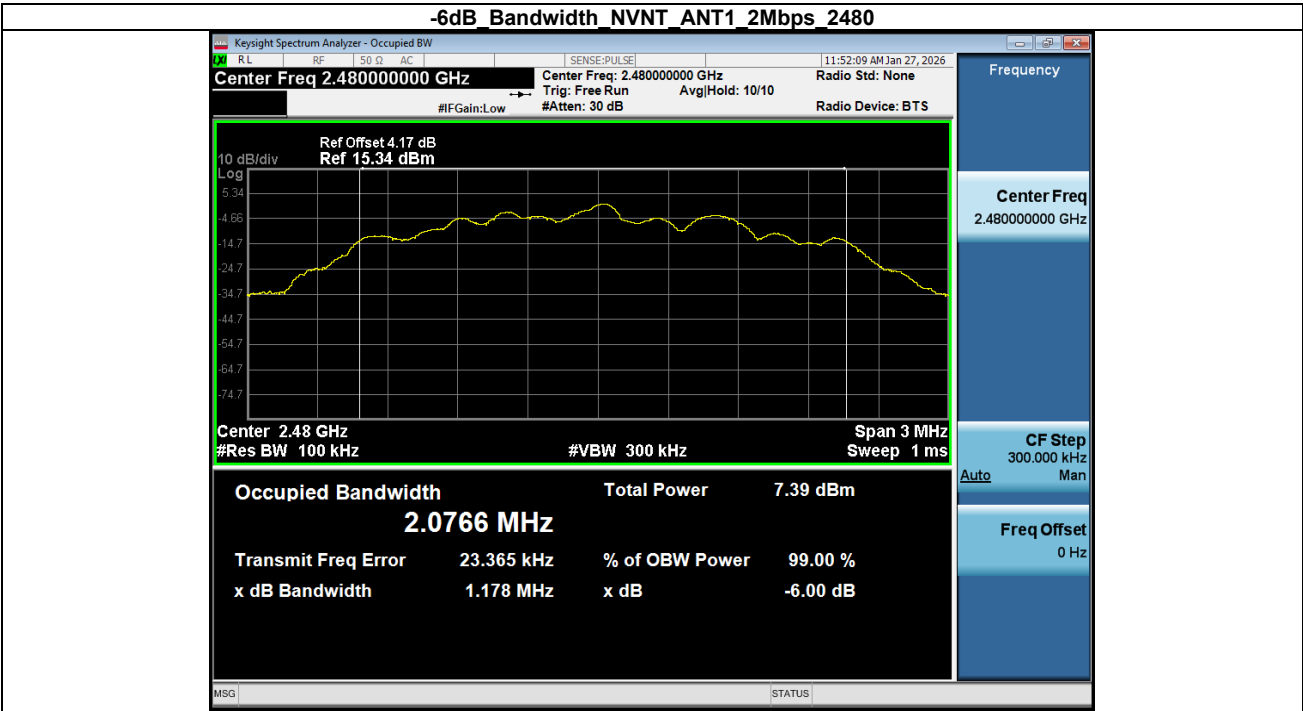
Appendix A.3: Test Results of 6dB Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	-6dB BW(kHz)	limit(kHz)	Result
NVNT	ANT1	1Mbps	2402.00	688.48	500	Pass
NVNT	ANT1	1Mbps	2440.00	684.09	500	Pass
NVNT	ANT1	1Mbps	2480.00	685.79	500	Pass
NVNT	ANT1	2Mbps	2402.00	1182.54	500	Pass
NVNT	ANT1	2Mbps	2440.00	1180.34	500	Pass
NVNT	ANT1	2Mbps	2480.00	1177.68	500	Pass



-6dB Bandwidth NVNT ANT1 1Mbps 2480

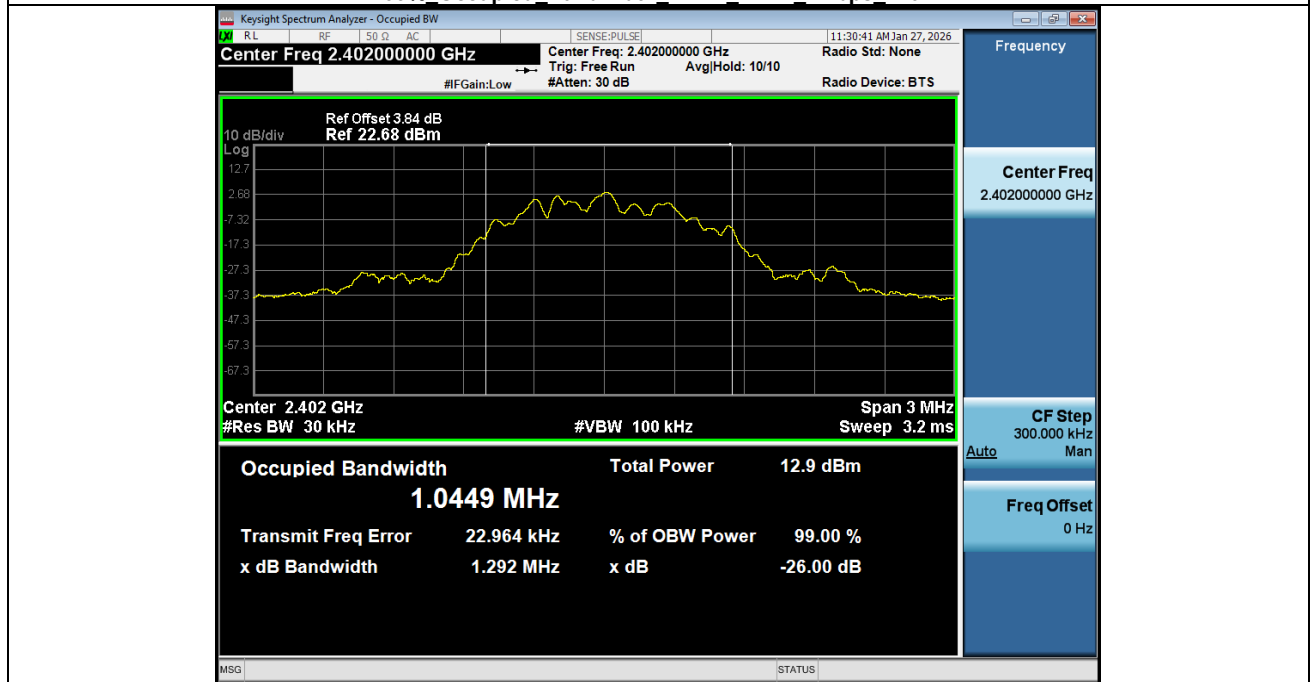




Appendix A.4: Test Results of 99% Bandwidth

Condition	Antenna	Rate	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1Mbps	2402.00	1.045
NVNT	ANT1	1Mbps	2440.00	1.049
NVNT	ANT1	1Mbps	2480.00	1.048
NVNT	ANT1	2Mbps	2402.00	2.045
NVNT	ANT1	2Mbps	2440.00	2.049
NVNT	ANT1	2Mbps	2480.00	2.051

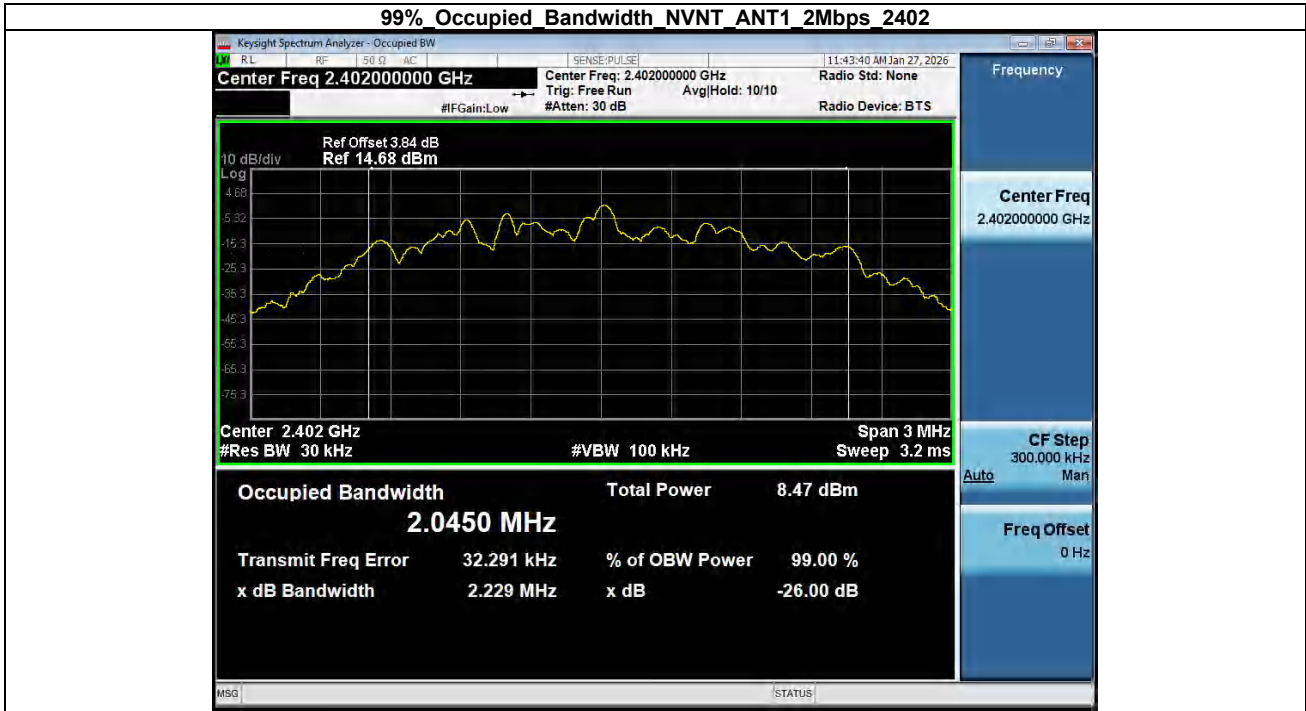
99% Occupied Bandwidth NVNT ANT1 1Mbps 2402

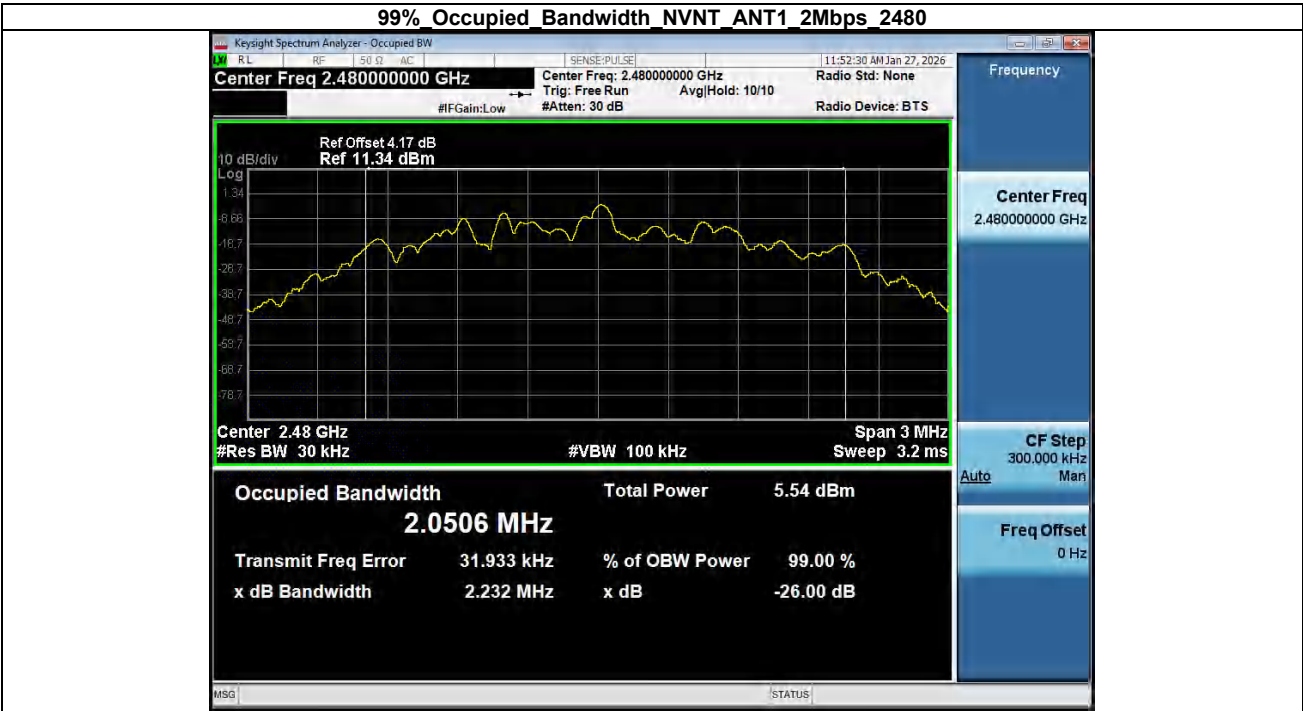
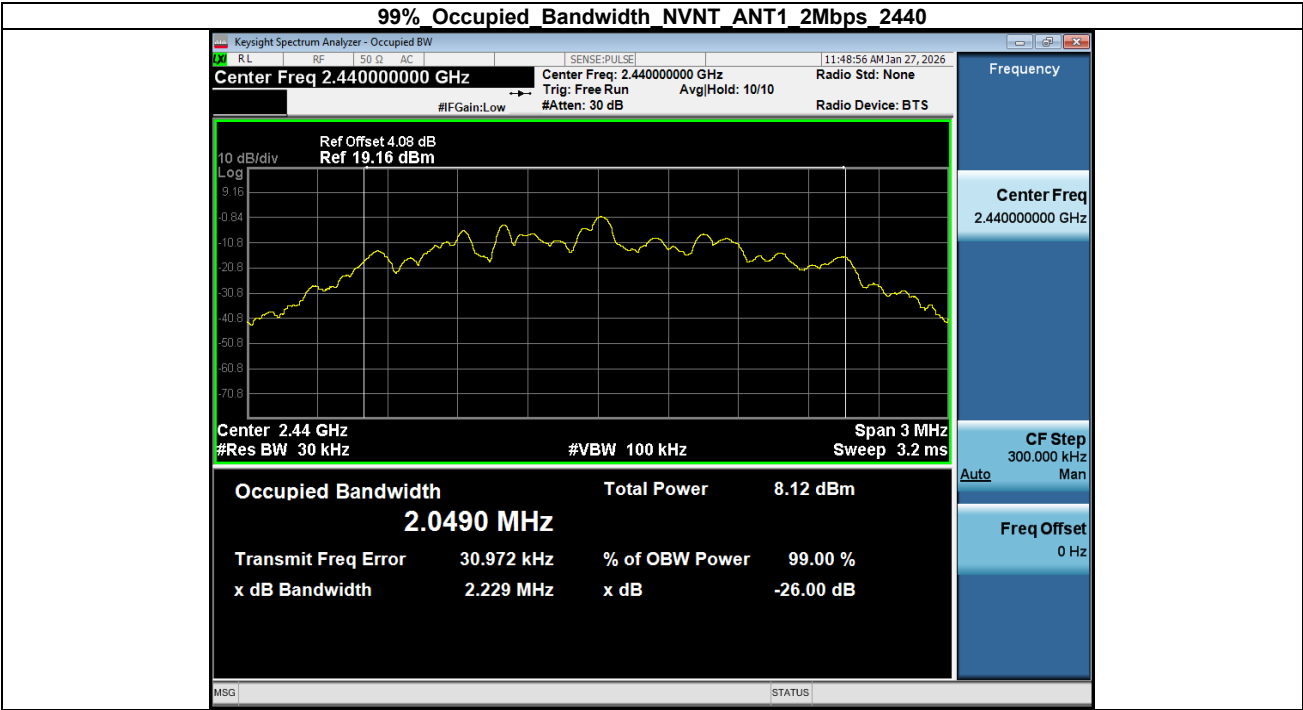


99% Occupied Bandwidth NVNT ANT1 1Mbps 2440



99% Occupied Bandwidth NVNT ANT1 1Mbps 2480





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	3.846	-46.883	-16.154	Pass
NVNT	ANT1	1Mbps	2440.00	3.591	-46.574	-16.409	Pass
NVNT	ANT1	1Mbps	2480.00	1.089	-50.716	-18.911	Pass
NVNT	ANT1	2Mbps	2402.00	4.008	-50.640	-15.992	Pass
NVNT	ANT1	2Mbps	2440.00	3.676	-46.830	-16.324	Pass
NVNT	ANT1	2Mbps	2480.00	1.120	-54.855	-18.880	Pass

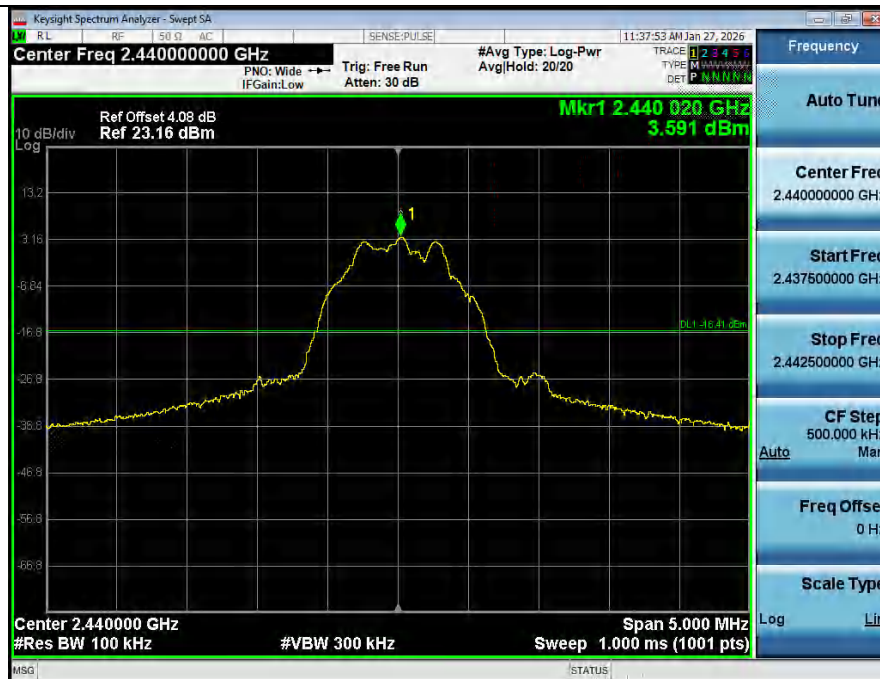
1 Reference Level NVNT ANT1 1Mbps 2402



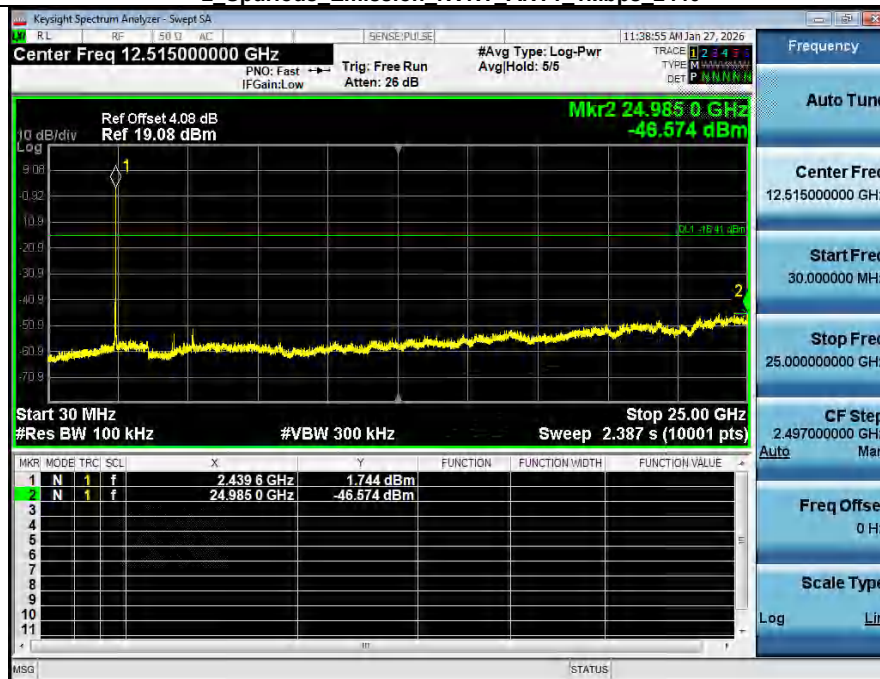
2 Spurious Emission NVNT ANT1 1Mbps 2402



1 Reference Level NVNT ANT1 1Mbps 2440



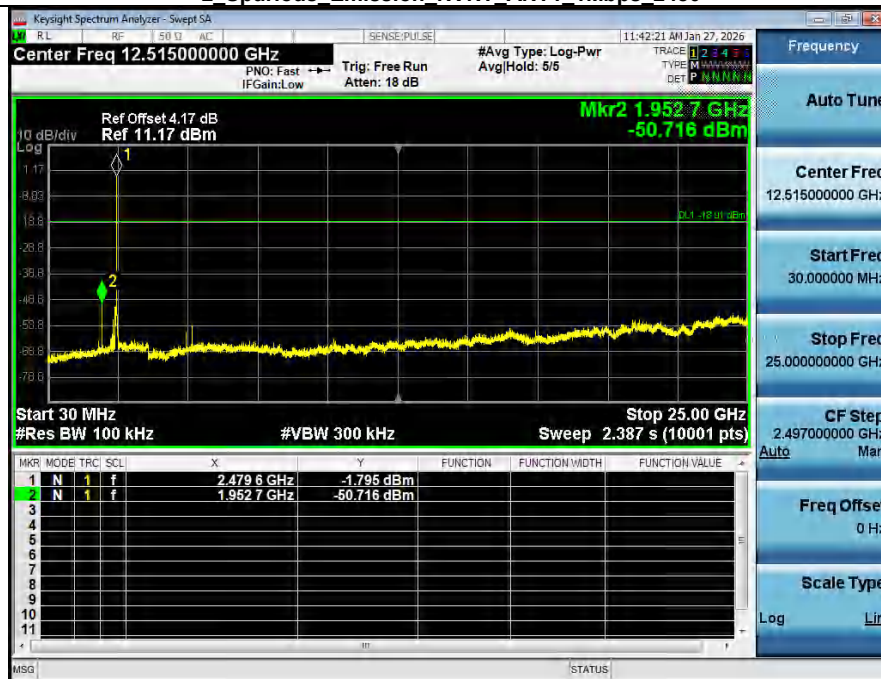
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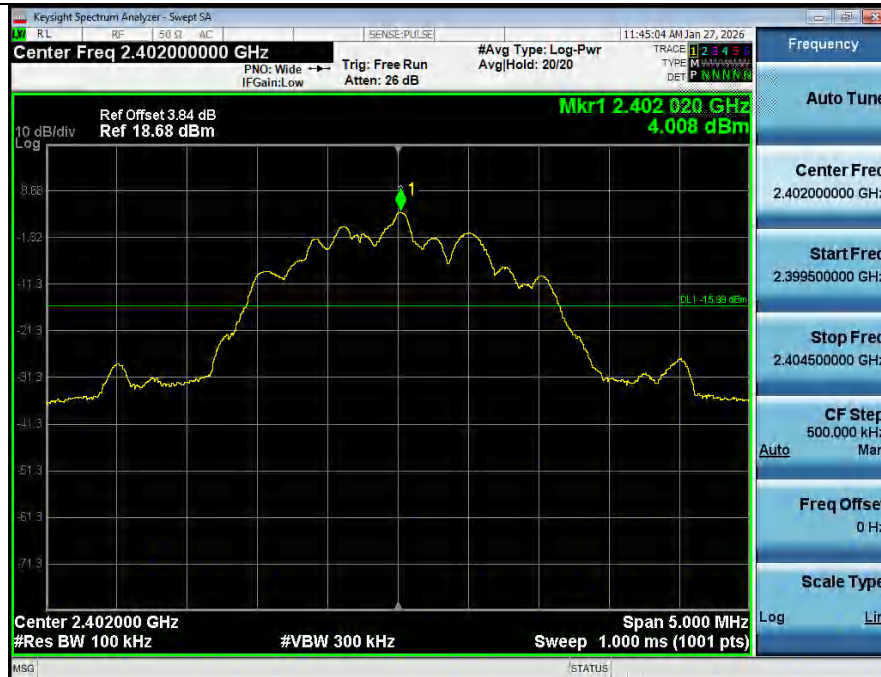
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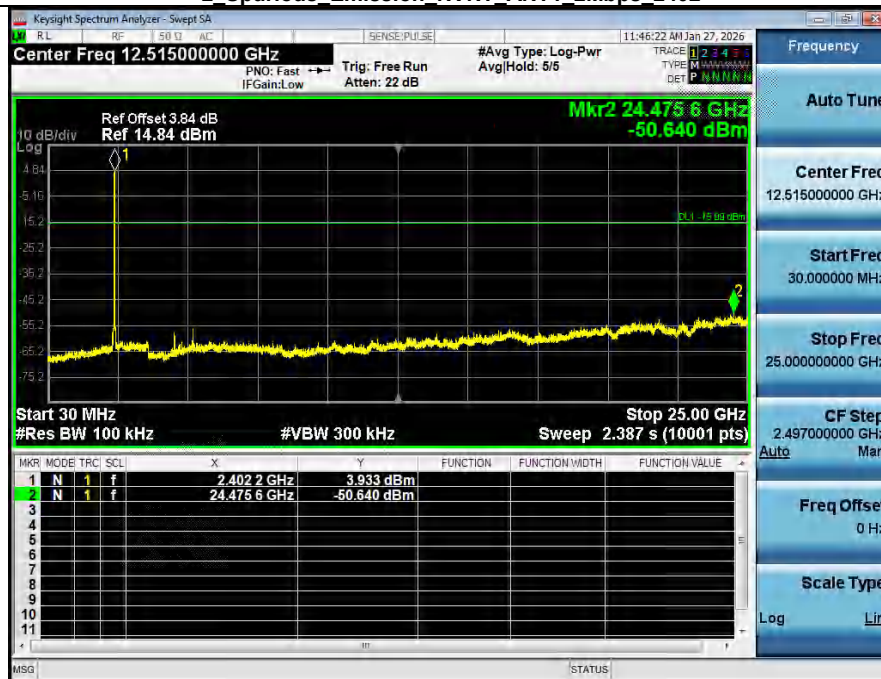
2 Spurious Emission NVNT ANT1 1Mbps 2480



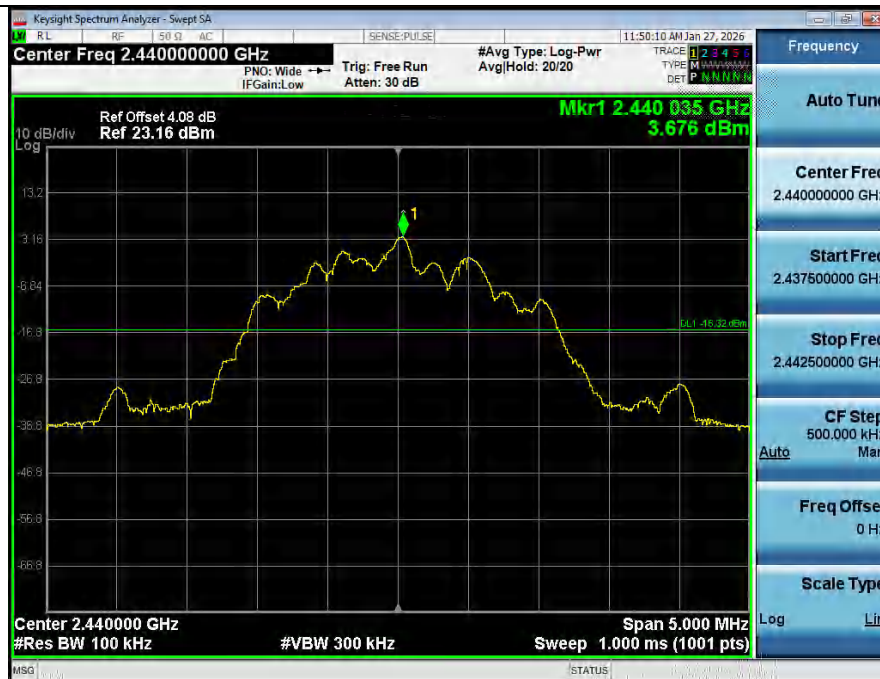
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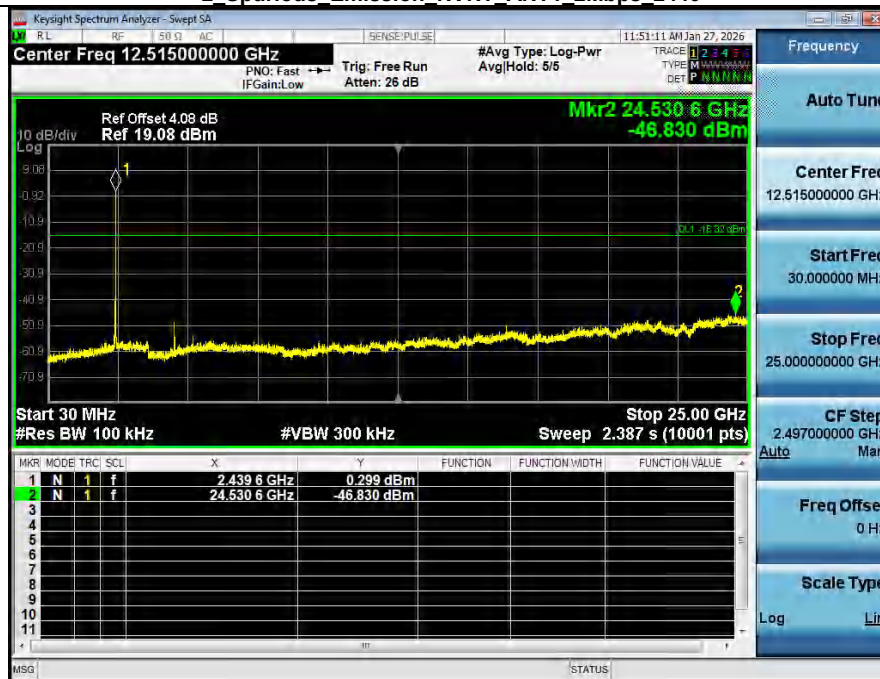
2 Spurious Emission NVNT ANT1 2Mbps 2402



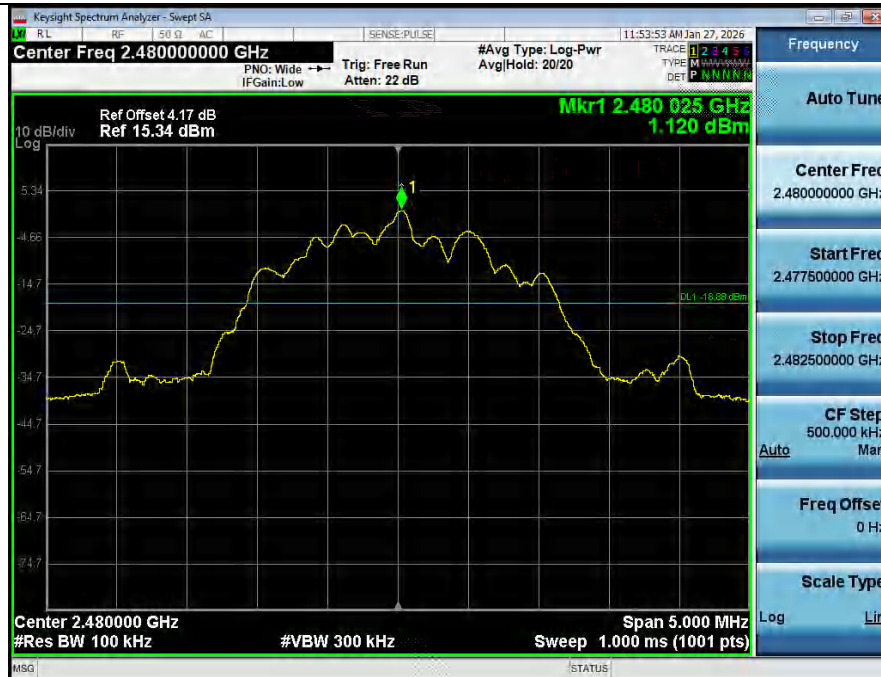
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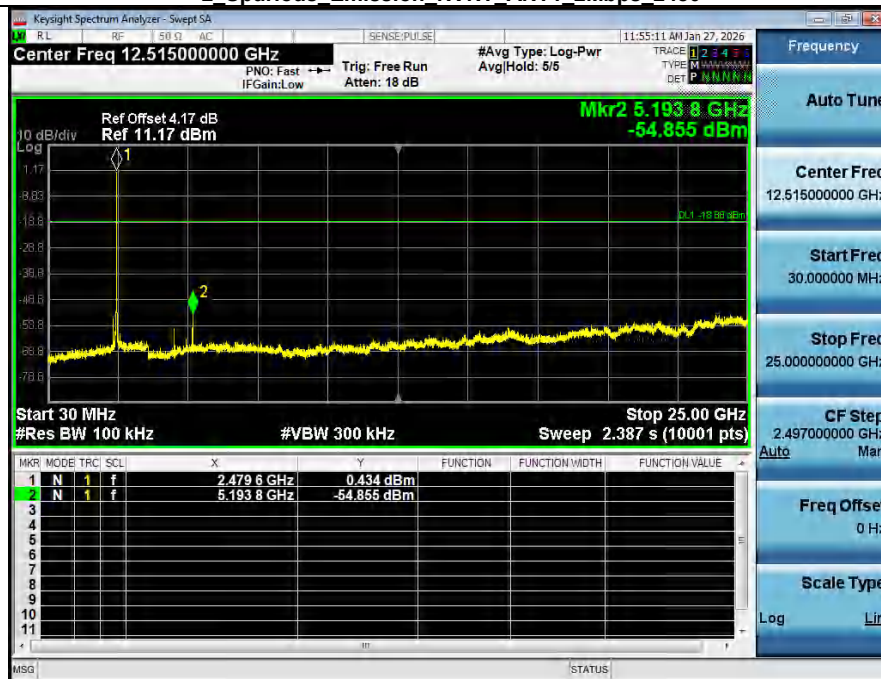
2 Spurious Emission NVNT ANT1 2Mbps 2440



1_Reference_Level_NVNT_ANT1_2Mbps_2480



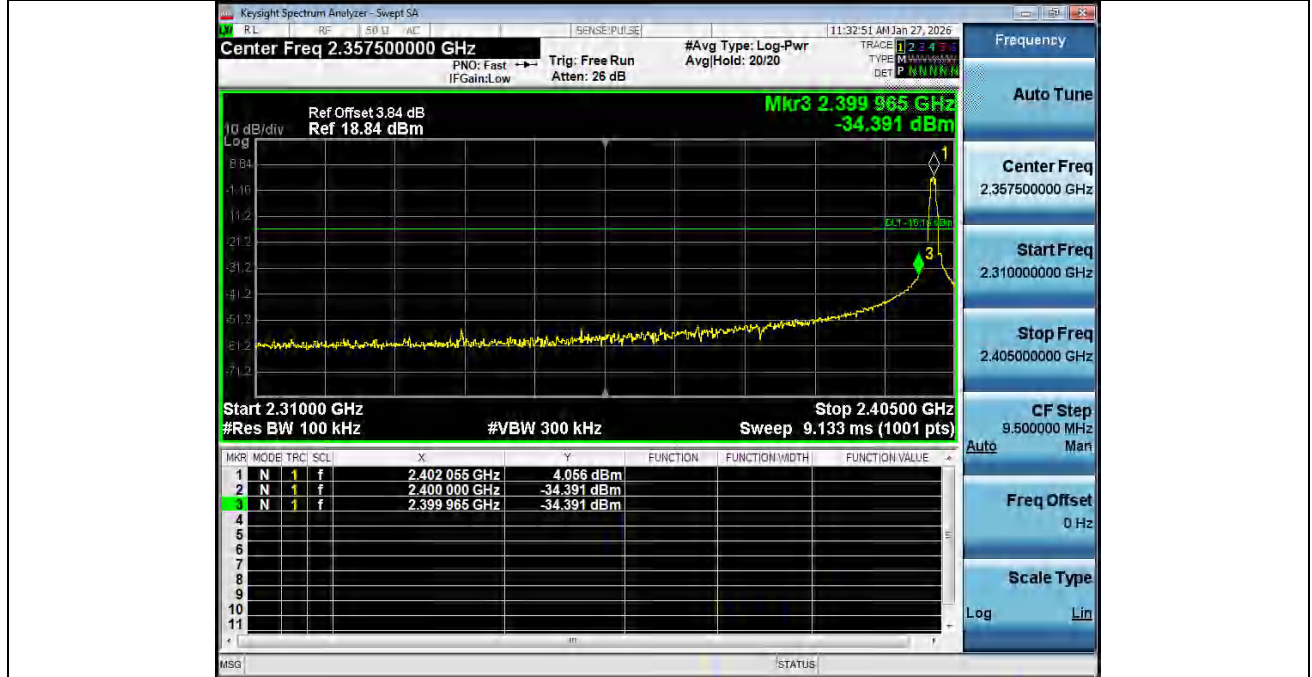
2 Spurious Emission NVNT ANT1 2Mbps 2480



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	3.846	-34.391	-16.154	Pass
NVNT	ANT1	1Mbps	2480.00	2483.525	1.089	-42.326	-18.911	Pass
NVNT	ANT1	2Mbps	2402.00	2399.965	4.008	-28.407	-15.992	Pass
NVNT	ANT1	2Mbps	2480.00	2483.525	1.120	-41.973	-18.880	Pass

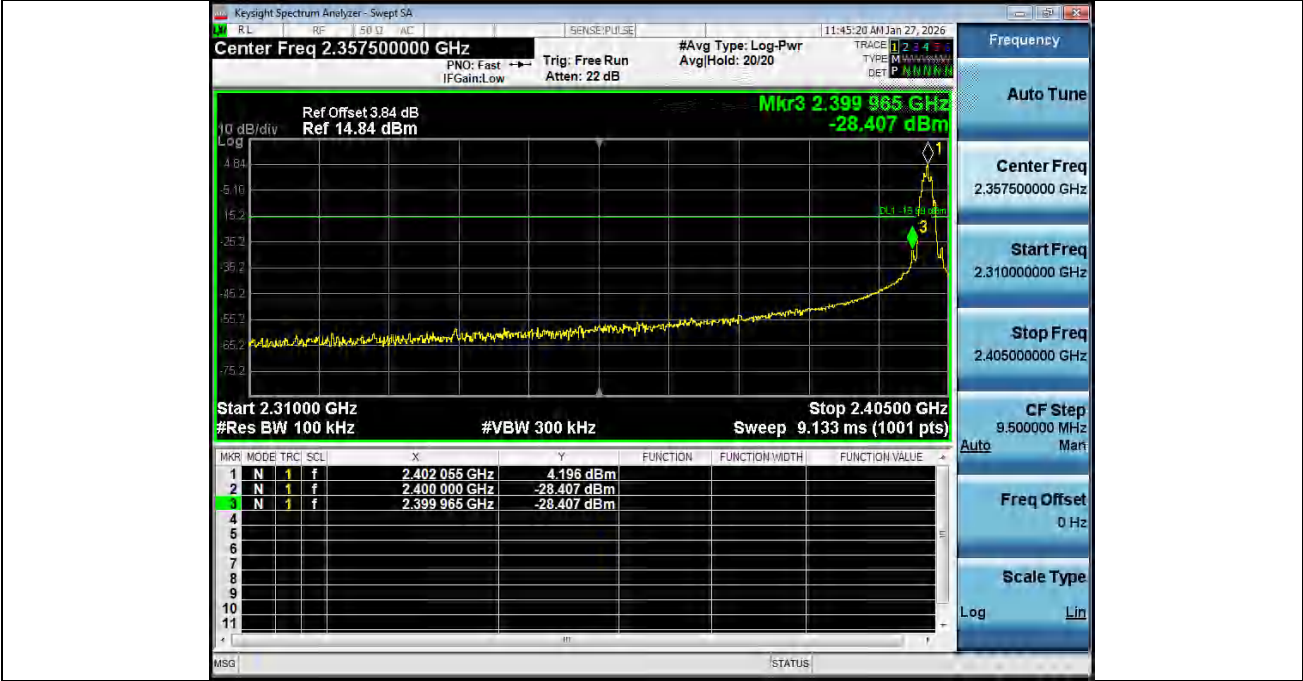
2 Bandedge NVNT ANT1 1Mbps 2402



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: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 14:32:43



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	43.4294	13.34	14.03	27.37	40.00	-12.63	QP	100	34	P	
2	54.9551	13.57	13.50	27.07	40.00	-12.93	QP	100	124	P	
3	181.2040	20.79	12.75	33.54	43.50	-9.96	QP	100	274	P	
4	250.0819	26.24	13.50	39.74	46.00	-6.26	QP	100	0	P	
5	355.2715	17.46	16.67	34.13	46.00	-11.87	QP	100	226	P	
6 *	495.7171	20.50	19.75	40.25	46.00	-5.75	QP	100	108	P	

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



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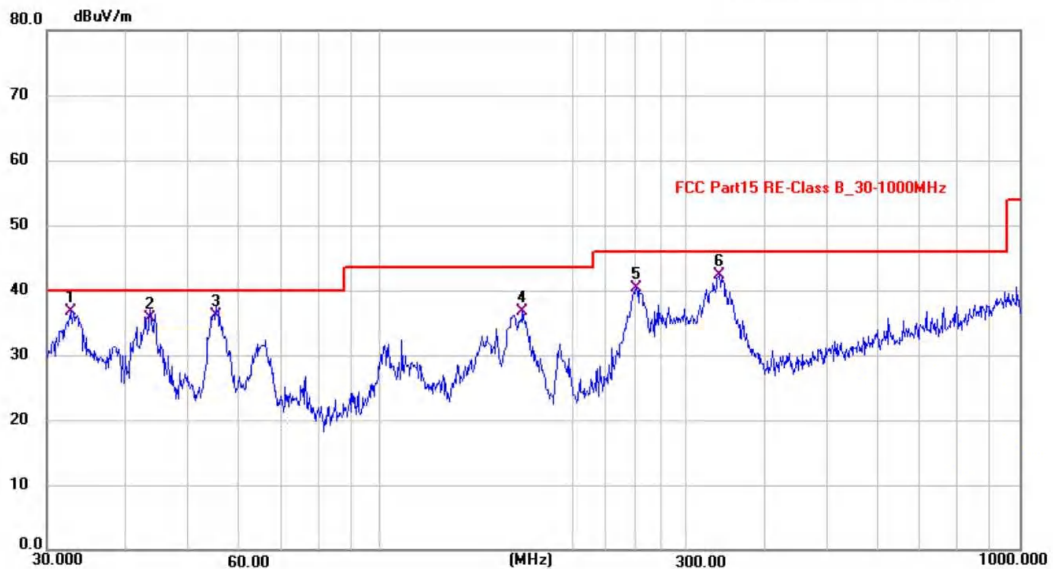
Test Site: PSI EMC Lab-3m Chamber
EUT: Laser 3D Scanner
M/N: FreeScan TE31W
Test Mode: 1Mbps 2480MHz
Test Voltage: AC 120V/60Hz
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/20 14:26:48



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 *	32.8203	23.20	13.50	36.70	40.00	-3.30	QP	100	24	P	
2	43.6394	21.61	14.01	35.62	40.00	-4.38	QP	100	264	P	
3	55.3175	22.64	13.48	36.12	40.00	-3.88	QP	100	273	P	
4	167.1633	22.06	14.57	36.63	43.50	-6.87	QP	100	173	P	
5	251.6211	26.80	13.53	40.33	46.00	-5.67	QP	100	164	P	
6	338.8454	25.95	16.26	42.21	46.00	-3.79	QP	100	11	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
EUT: Laser 3D Scanner
M/N: FreeScan TE31W
Test Mode: 1Mbps 2440MHz
Test Voltage: AC 120V/60Hz
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/20 14:20:27



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	32.8635	21.65	13.50	35.15	40.00	-4.85	QP	100	335	P	
2	43.3344	20.92	14.03	34.95	40.00	-5.05	QP	100	126	P	
3	55.2450	22.09	13.49	35.58	40.00	-4.42	QP	100	273	P	
4	108.0296	21.30	11.80	33.10	43.50	-10.40	QP	100	231	P	
5	250.3010	27.84	13.51	41.35	46.00	-4.65	QP	100	115	P	
6 *	336.4773	26.65	16.20	42.85	46.00	-3.15	QP	100	1	P	

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

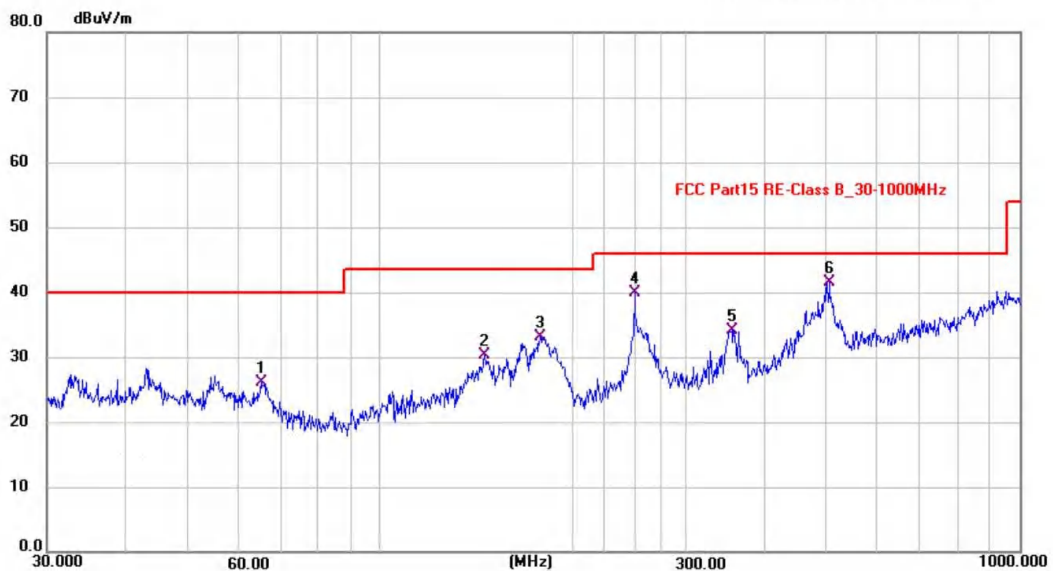


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Laser 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan TE31W Test Engineer: Felix
Test Mode: 1Mbps 2440MHz
Test Voltage: AC 120V/60Hz
Note:

Radiated Emission Measurement

Test Date: 2026/3/20 14:14:13



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	65.1144	13.82	12.29	26.11	40.00	-13.89	QP	100	34	P	
2	145.7972	15.38	14.91	30.29	43.50	-13.21	QP	100	166	P	
3	177.7427	19.96	13.20	33.16	43.50	-10.34	QP	100	235	P	
4	249.9723	26.32	13.50	39.82	46.00	-6.18	QP	100	32	P	
5	355.2715	17.48	16.67	34.15	46.00	-11.85	QP	100	109	P	
6 *	503.1600	21.67	19.90	41.57	46.00	-4.43	QP	100	12	P	

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



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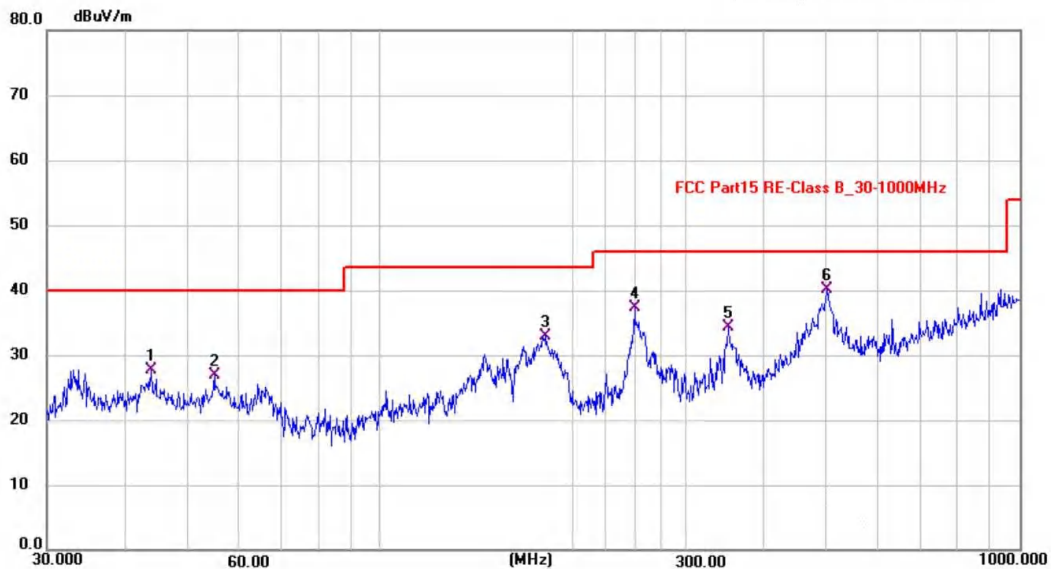
Test Site: PSI EMC Lab-3m Chamber
EUT: Laser 3D Scanner
M/N: FreeScan TE31W
Test Mode: 1Mbps 2402MHz
Test Voltage: AC 120V/60Hz
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/20 14:08:40



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	43.6775	13.75	14.01	27.76	40.00	-12.24	QP	100	34	P	
2	54.8830	13.46	13.51	26.97	40.00	-13.03	QP	100	221	P	
3	181.0450	20.10	12.77	32.87	43.50	-10.63	QP	100	24	P	
4	249.9723	23.74	13.50	37.24	46.00	-8.76	QP	100	23	P	
5	349.5561	17.77	16.56	34.33	46.00	-11.67	QP	100	211	P	
6 *	500.0818	20.34	19.82	40.16	46.00	-5.84	QP	100	14	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: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2402MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 14:02:24



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	32.5482	21.63	13.49	35.12	40.00	-4.88	QP	100	125	P	
2	43.1825	22.01	14.05	36.06	40.00	-3.94	QP	100	244	P	
3 *	54.6668	23.11	13.51	36.62	40.00	-3.38	QP	100	21	P	
4	65.7741	20.53	12.17	32.70	40.00	-7.30	QP	100	125	P	
5	159.7844	20.23	15.17	35.40	43.50	-8.10	QP	100	211	P	
6	252.5050	25.98	13.56	39.54	46.00	-6.46	QP	100	22	P	

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

Above 1GHz

Note: The highest waveform in the figure is 2.4GHz SRD Fundamental.

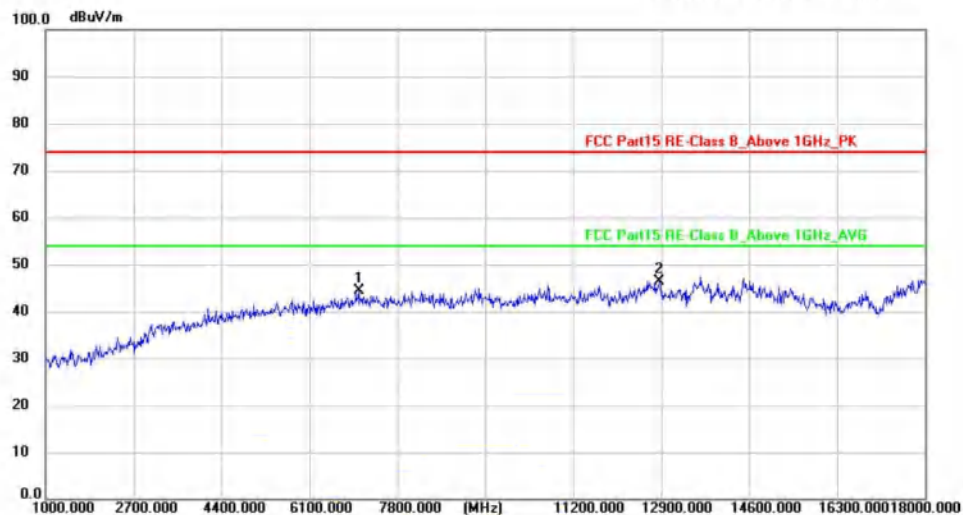


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 11:03:40



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	7058.375	55.58	-11.32	44.26	74.00	-29.74	peak	150	33	P	
2 *	12880.875	54.10	-7.74	46.36	74.00	-27.64	peak	150	14	P	

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

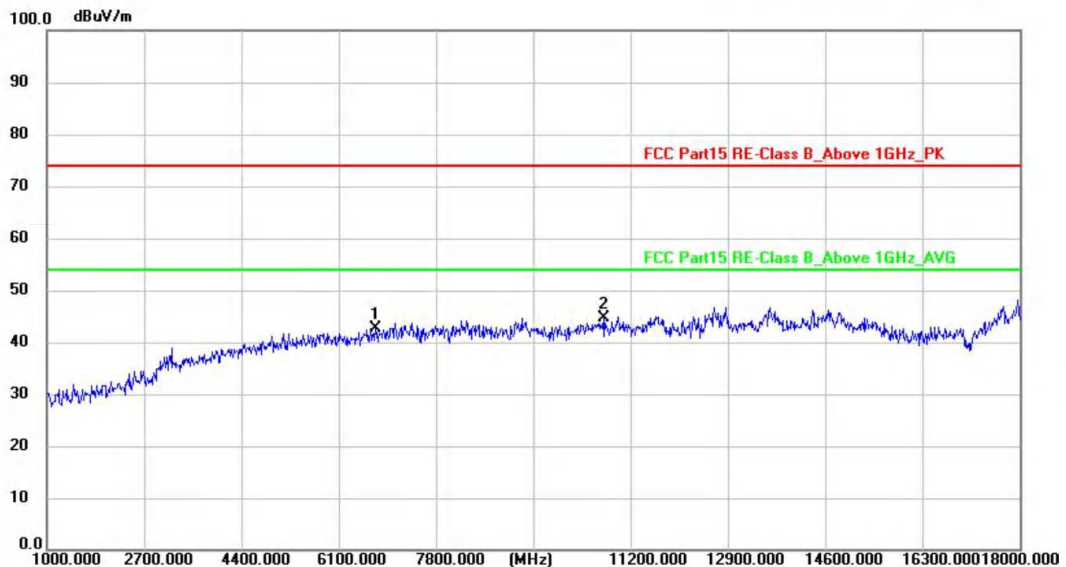


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:57:32



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	6754.500	54.54	-11.94	42.60	74.00	-31.40	peak	150	155	P	
2 *	10732.500	53.97	-9.22	44.75	74.00	-29.25	peak	150	124	P	

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

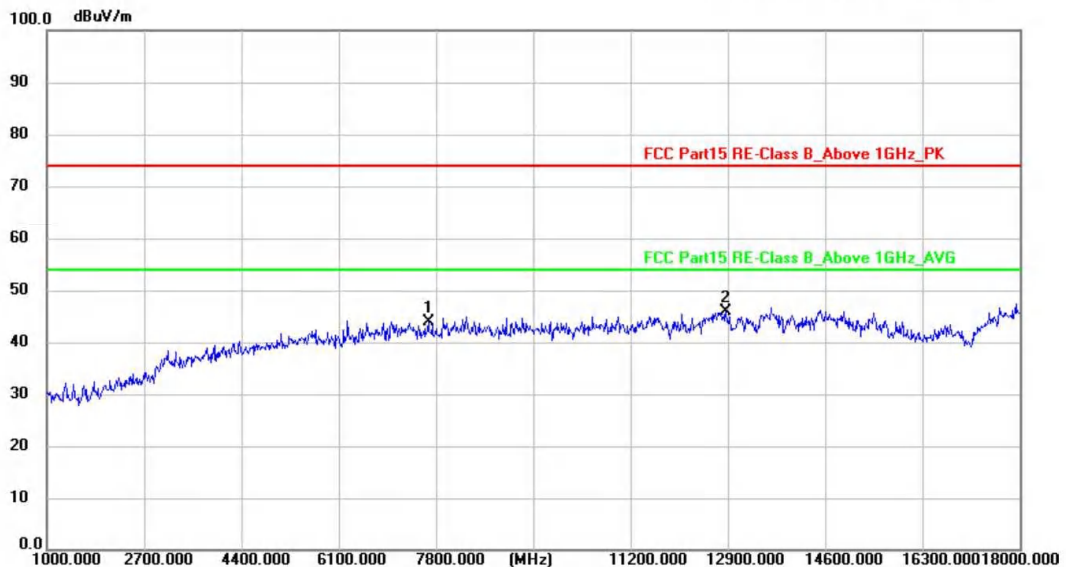


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:51:10



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	7674.625	54.86	-10.89	43.97	74.00	-30.03	peak	150	124	P	
2 *	12868.125	53.69	-7.75	45.94	74.00	-28.06	peak	150	255	P	

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

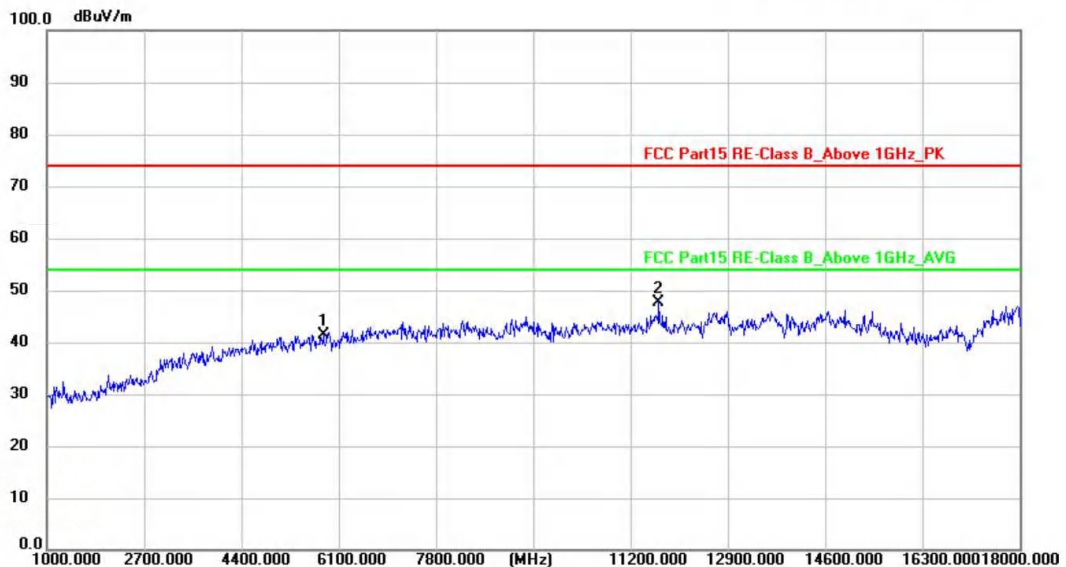


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:45:01



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	5834.375	55.50	-14.04	41.46	74.00	-32.54	peak	150	115	P	
2 *	11707.875	56.45	-8.72	47.73	74.00	-26.27	peak	150	186	P	

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

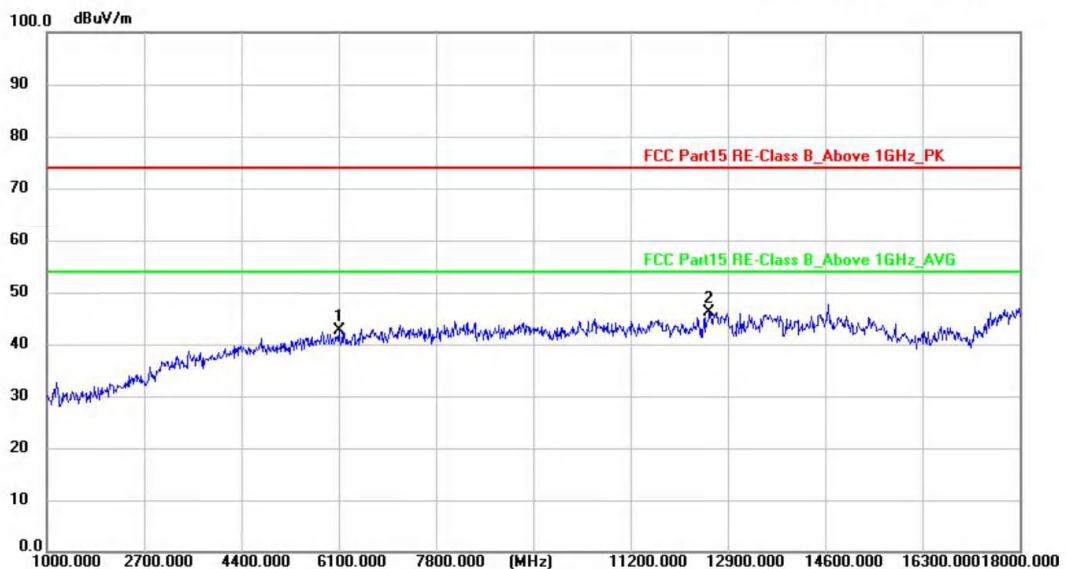


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2402MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:39:52



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	6106.375	56.03	-13.44	42.59	74.00	-31.41	peak	150	142	P	
2 *	12587.625	54.10	-8.04	46.06	74.00	-27.94	peak	150	165	P	

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

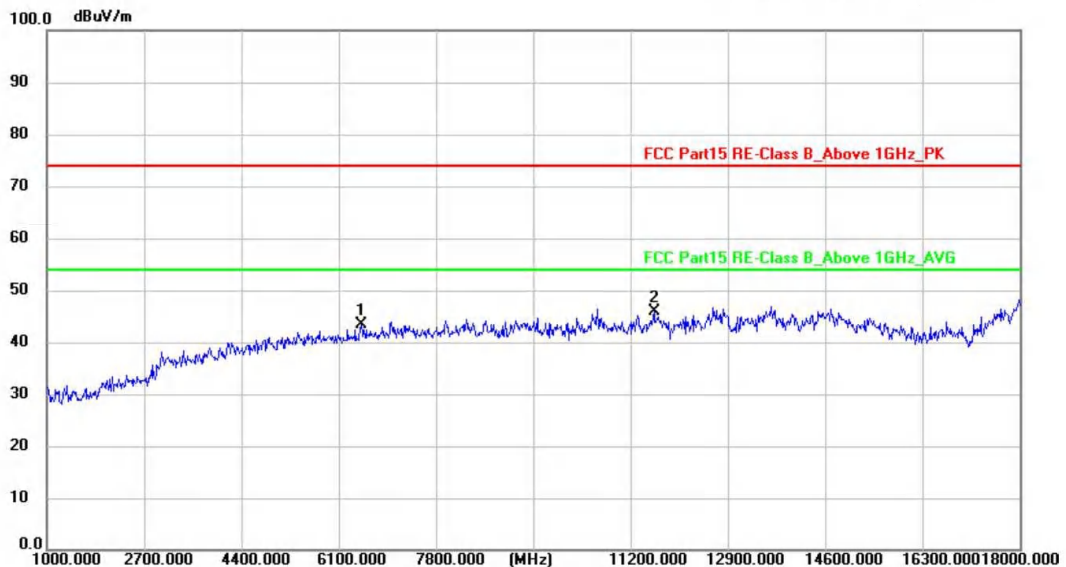


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 1Mbps 2402MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:33:43



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	6495.250	55.98	-12.53	43.45	74.00	-30.55	peak	150	122	P	
2 *	11612.250	54.52	-8.75	45.77	74.00	-28.23	peak	150	254	P	

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

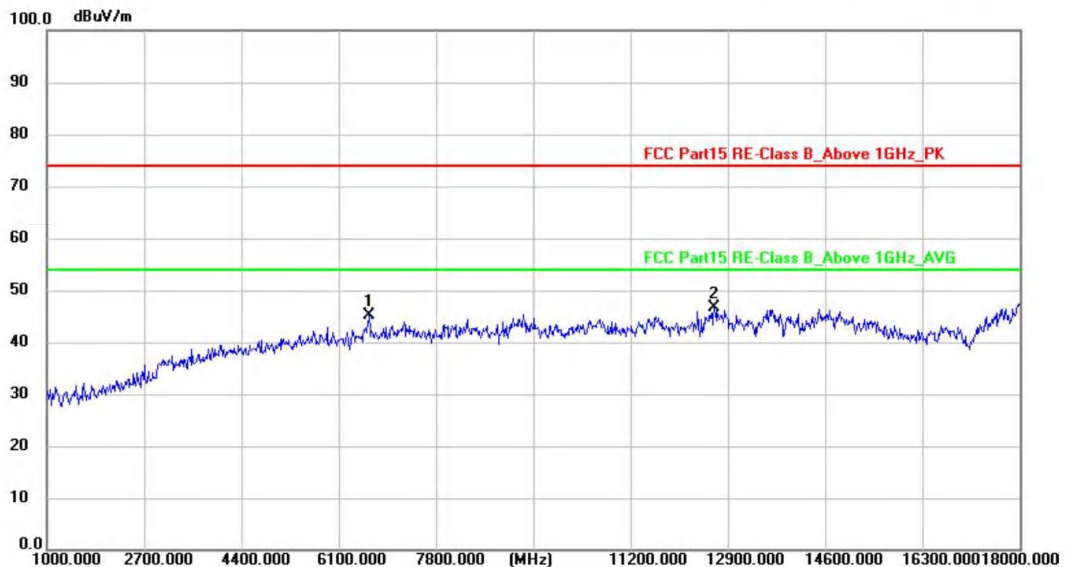


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:27:32



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	6629.125	57.25	-12.23	45.02	74.00	-28.98	peak	150	114	P	
2 *	12672.625	54.65	-7.95	46.70	74.00	-27.30	peak	150	125	P	

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

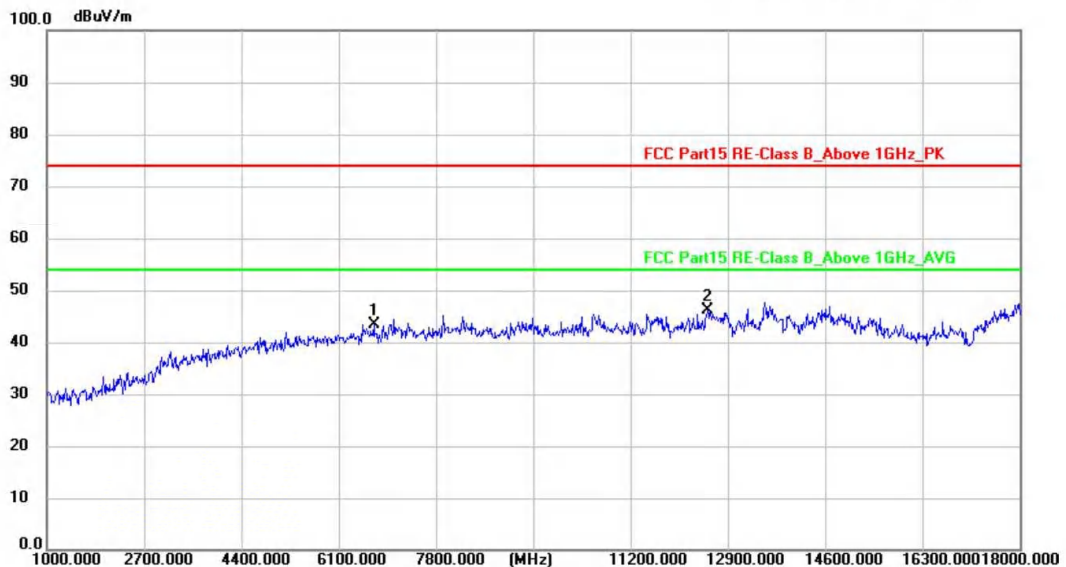


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:21:22



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	6714.125	55.36	-12.03	43.33	74.00	-30.67	peak	150	115	P	
2 *	12553.625	54.16	-8.07	46.09	74.00	-27.91	peak	150	125	P	

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

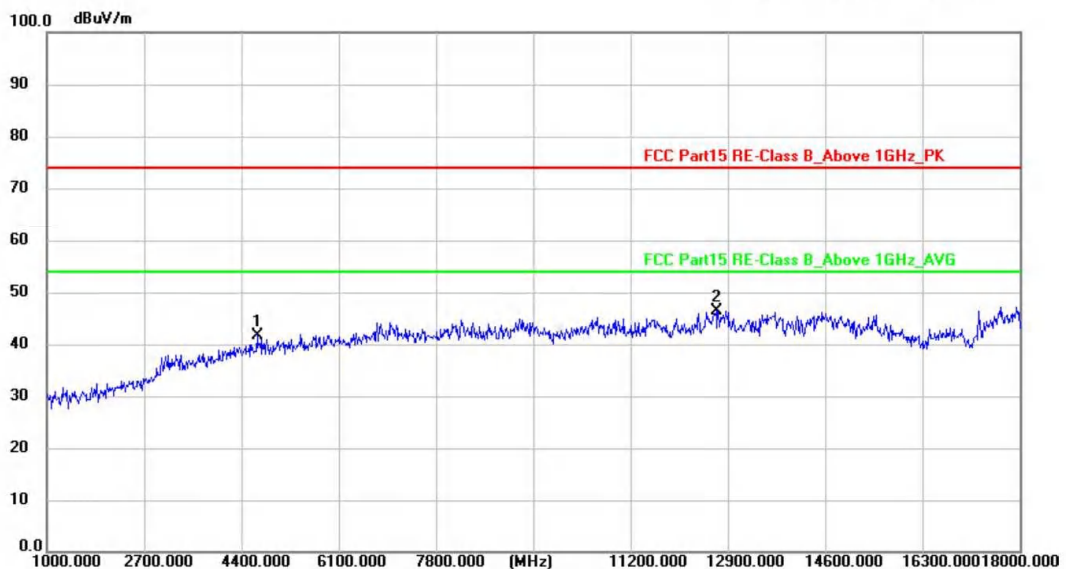


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:16:07



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	4682.625	58.37	-16.81	41.56	74.00	-32.44	peak	150	135	P	
2 *	12700.250	54.28	-7.92	46.36	74.00	-27.64	peak	150	122	P	

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

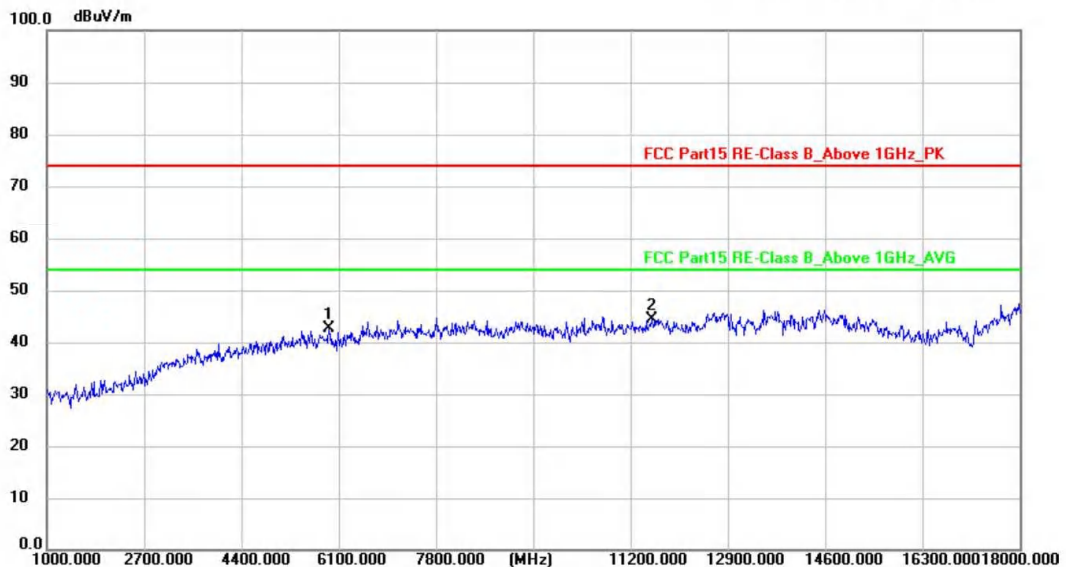


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2440MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:10:57



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	5932.125	56.53	-13.83	42.70	74.00	-31.30	peak	150	125	P	
2 *	11582.500	53.17	-8.76	44.41	74.00	-29.59	peak	150	225	P	

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

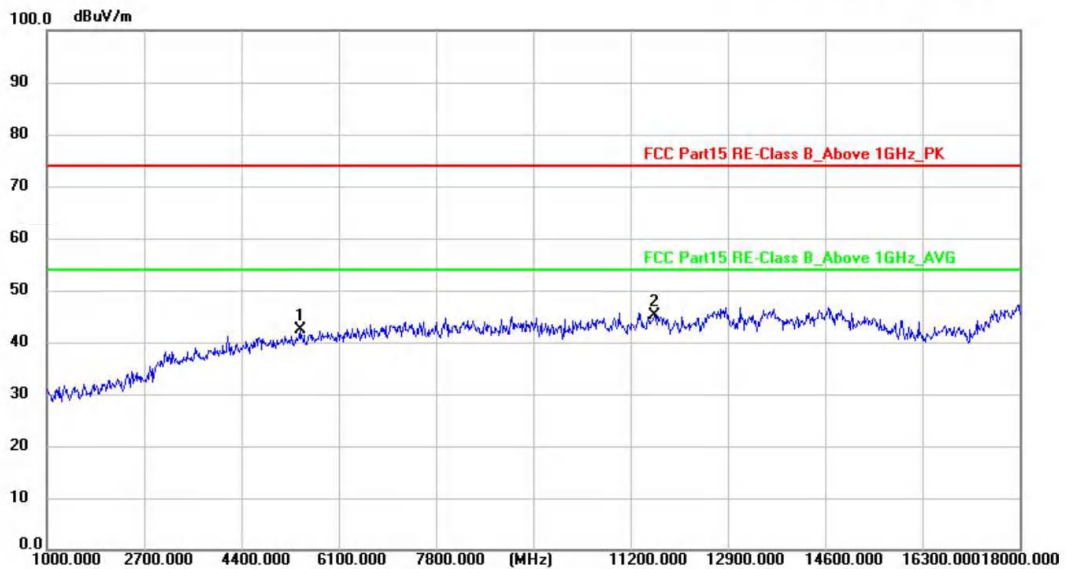


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2402MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/20 10:05:45



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	5422.125	57.35	-14.92	42.43	74.00	-31.57	peak	150	112	P	
2 *	11635.625	53.83	-8.74	45.09	74.00	-28.91	peak	150	25	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
EUT: Laser 3D Scanner
M/N: FreeScan TE31W
Test Mode: 2Mbps 2402MHz
Test Voltage: AC 120V/60Hz
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/20 9:59:15



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	7039.250	57.05	-11.33	45.72	74.00	-28.28	peak	150	12	P	
2 *	11673.875	55.17	-8.74	46.43	74.00	-27.57	peak	150	286	P	

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

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

Both 2M and 1M modes tested, only the worst-case reported.

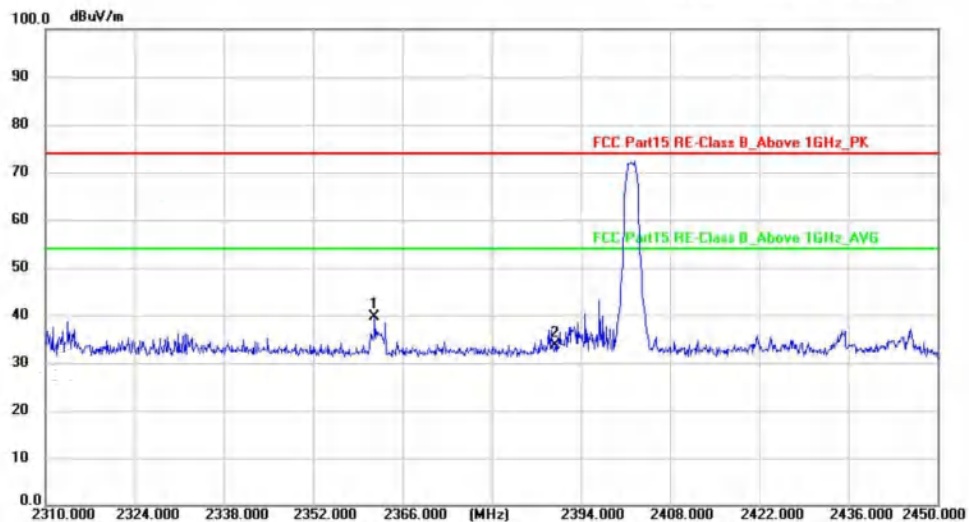


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2402MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/18 9:48:34



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 *	2361.660	63.50	-23.99	39.51	74.00	-34.49	peak	150	35	P	
2	2390.000	57.51	-23.89	33.62	74.00	-40.38	peak	150	23	P	

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

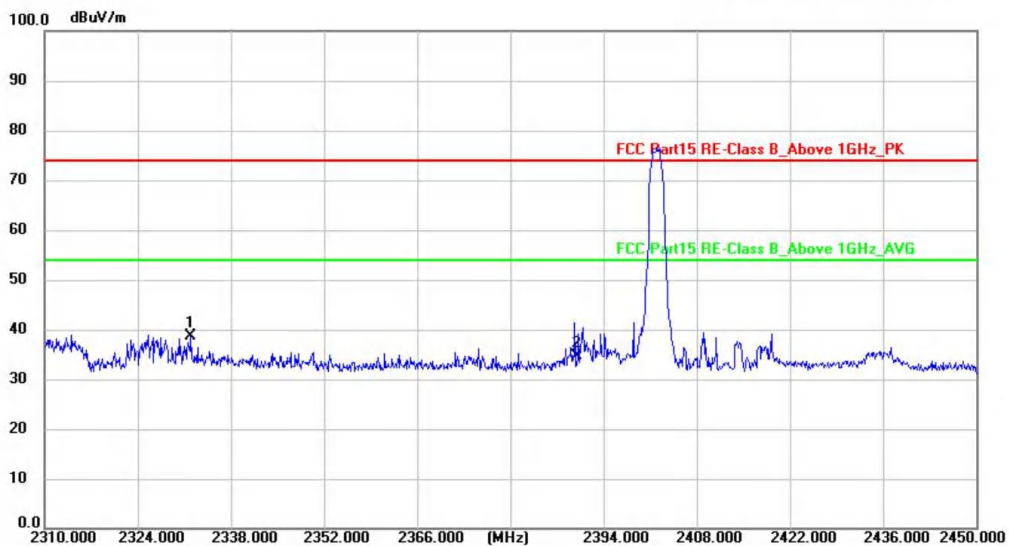


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: Laser 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan TE31W Test Engineer: Felix
Test Mode: 2Mbps 2402MHz
Test Voltage: AC 120V/60Hz
Note:

Radiated Emission Measurement

Test Date: 2026/3/18 9:42:33



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 *	2332.032	62.81	-24.08	38.73	74.00	-35.27	peak	150	35	P	
2	2390.000	58.43	-23.89	34.54	74.00	-39.46	peak	150	166	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

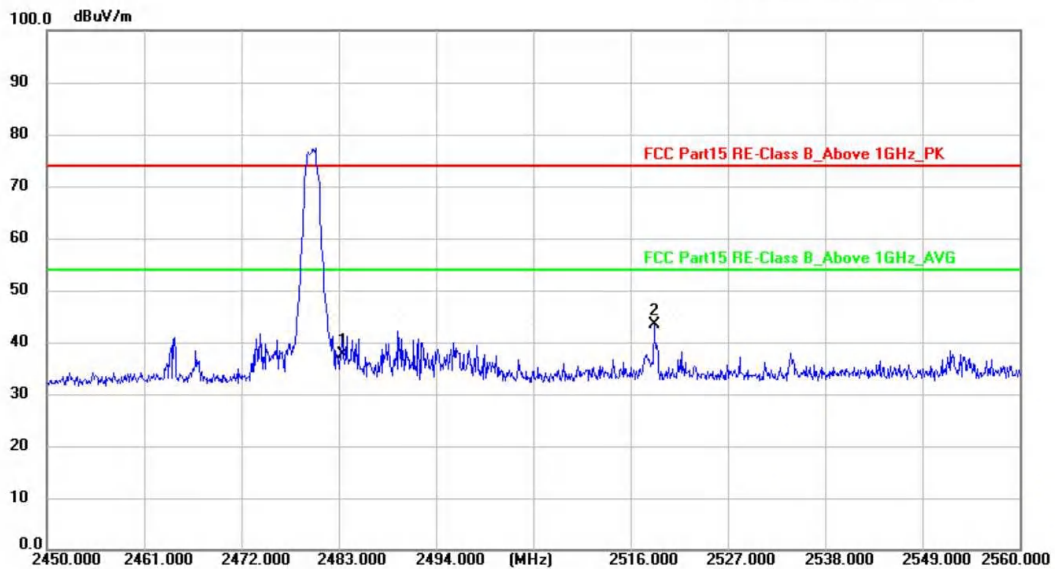
Test Site: PSI EMC Lab-3m Chamber
EUT: Laser 3D Scanner
M/N: FreeScan TE31W
Test Mode: 2Mbps 2480MHz
Test Voltage: AC 120V/60Hz
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/18 9:35:50



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	2483.500	61.31	-23.58	37.73	74.00	-36.27	peak	150	256	P	
2 *	2518.668	66.75	-23.48	43.27	74.00	-30.73	peak	150	167	P	

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

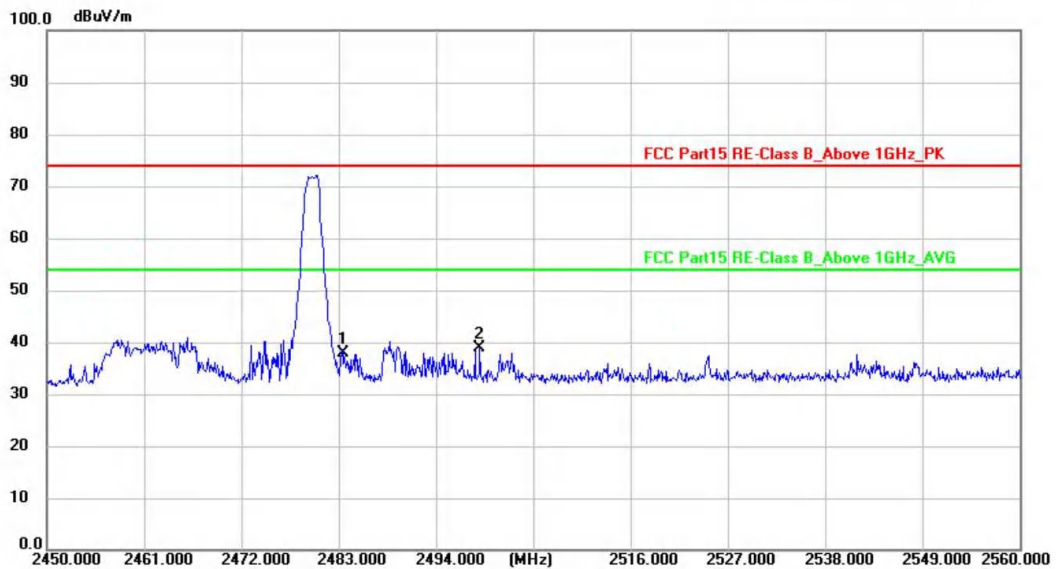


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Laser 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan TE31W	Test Engineer: Felix	
Test Mode: 2Mbps 2480MHz		
Test Voltage: AC 120V/60Hz		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/18 9:30:08



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	2483.500	61.52	-23.58	37.94	74.00	-36.06	peak	150	115	P	
2 *	2498.964	62.40	-23.53	38.87	74.00	-35.13	peak	150	126	P	

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

Appendix A.8: Test Results of Conducted emissions of AC mains

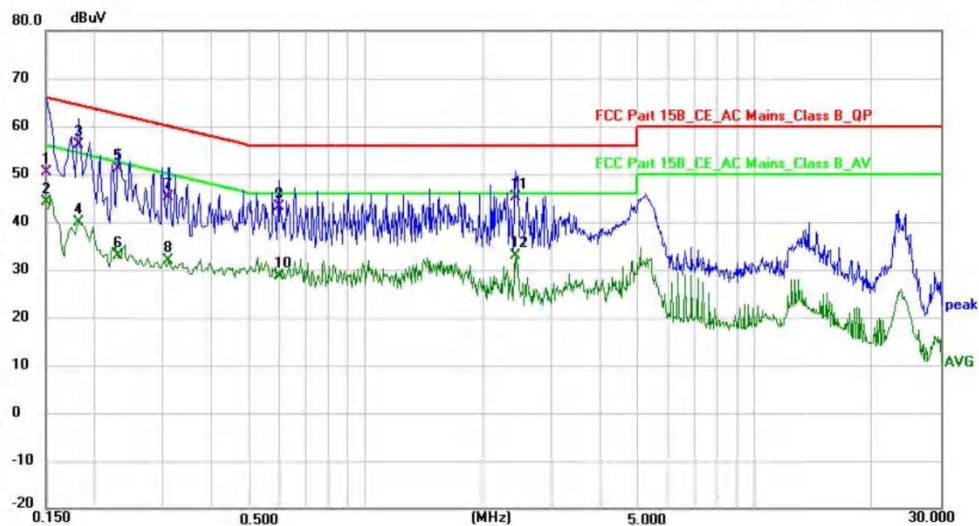


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-Shielded Room Phase: **L1** Temperature: 26 °C
EUT: Laser 3D Scanner Humidity: 54 %RH
M/N: FreeScan TE31W Test Engineer: Felix
Test Mode: **B**
Test Voltage: AC 120V/60Hz
Note:

Conducted Emission Measurement

Test Date: 2026/1/22 14:23:44



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	40.56	9.70	50.26	66.00	-15.74	QP	P	
2	0.1500	34.53	9.70	44.23	56.00	-11.77	AVG	P	
3 *	0.1819	46.61	9.51	56.12	64.40	-8.28	QP	P	
4	0.1819	30.30	9.51	39.81	54.40	-14.59	AVG	P	
5	0.2300	41.65	9.40	51.05	62.45	-11.40	QP	P	
6	0.2300	23.38	9.40	32.78	52.45	-19.67	AVG	P	
7	0.3100	35.82	9.40	45.22	59.97	-14.75	QP	P	
8	0.3100	22.51	9.40	31.91	49.97	-18.06	AVG	P	
9	0.5940	33.66	9.56	43.22	56.00	-12.78	QP	P	
10	0.5940	19.11	9.56	28.67	46.00	-17.33	AVG	P	
11	2.4180	35.16	9.90	45.06	56.00	-10.94	QP	P	
12	2.4180	22.86	9.90	32.76	46.00	-13.24	AVG	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-Shielded Room

Phase: **N**

Temperature: 26 °C

EUT: Laser 3D Scanner

Humidity: 54 %RH

M/N: FreeScan TE31W

Test Engineer: Felix

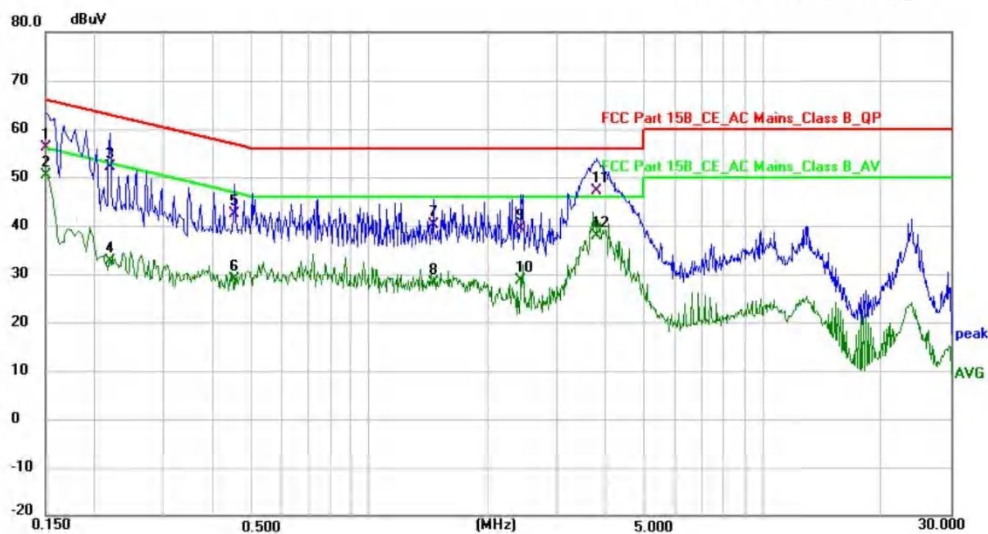
Test Mode: B

Test Voltage: AC 120V/60Hz

Note:

Conducted Emission Measurement

Test Date: 2026/1/22 14:28:24



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	46.63	9.60	56.23	66.00	-9.77	QP	P	
2 *	0.1500	40.69	9.60	50.29	56.00	-5.71	AVG	P	
3	0.2180	42.72	9.40	52.12	62.89	-10.77	QP	P	
4	0.2180	23.29	9.40	32.69	52.89	-20.20	AVG	P	
5	0.4540	32.76	9.56	42.32	56.80	-14.48	QP	P	
6	0.4540	19.30	9.56	28.86	46.80	-17.94	AVG	P	
7	1.4540	30.72	9.51	40.23	56.00	-15.77	QP	P	
8	1.4540	18.72	9.51	28.23	46.00	-17.77	AVG	P	
9	2.4340	30.10	9.40	39.50	56.00	-16.50	QP	P	
10	2.4340	19.29	9.40	28.69	46.00	-17.31	AVG	P	
11	3.7820	37.68	9.52	47.20	56.00	-8.80	QP	P	
12	3.7820	28.28	9.52	37.80	46.00	-8.20	AVG	P	

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