

Test Result, MIMO mode

Condition	Antenna	Mode	Frequency (MHz)	MIMO Conducted Power (dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	5180.00	14.32	24	Pass
NVNT	MIMO_TX	802.11n(HT20)	5200.00	14.56	24	Pass
NVNT	MIMO_TX	802.11n(HT20)	5240.00	14.58	24	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5180.00	14.56	24	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5200.00	14.65	24	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5240.00	14.46	24	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5180.00	14.33	24	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5200.00	14.69	24	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5240.00	14.39	24	Pass
NVNT	MIMO_TX	802.11n(HT40)	5190.00	14.55	24	Pass
NVNT	MIMO_TX	802.11n(HT40)	5230.00	14.35	24	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5190.00	14.54	24	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5230.00	14.36	24	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5190.00	14.51	24	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5230.00	14.23	24	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5210.00	14.84	24	Pass
NVNT	MIMO_TX	802.11ax(HE80)	5210.00	14.67	24	Pass

Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result, SISO mode

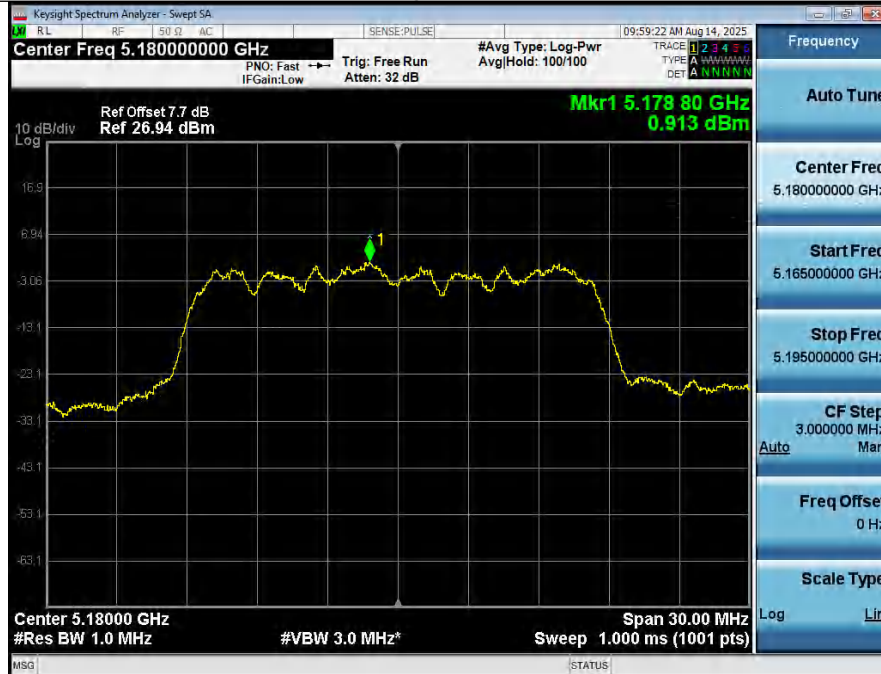
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
NVNT	ANT1	802.11a	5180.00	0.91	0.00	0.91	11	Pass
NVNT	ANT2	802.11a	5180.00	0.45	0.00	0.45	11	Pass
NVNT	ANT1	802.11a	5200.00	0.72	0.00	0.72	11	Pass
NVNT	ANT2	802.11a	5200.00	-0.42	0.00	-0.42	11	Pass
NVNT	ANT1	802.11a	5240.00	1.38	0.00	1.38	11	Pass
NVNT	ANT2	802.11a	5240.00	-0.42	0.00	-0.42	11	Pass
NVNT	ANT1	802.11n(HT20)	5180.00	0.43	0.00	0.43	11	Pass
NVNT	ANT2	802.11n(HT20)	5180.00	-1.06	0.00	-1.06	11	Pass
NVNT	ANT1	802.11n(HT20)	5200.00	1.12	0.00	1.12	11	Pass
NVNT	ANT2	802.11n(HT20)	5200.00	1.35	0.00	1.35	11	Pass
NVNT	ANT1	802.11n(HT20)	5240.00	1.43	0.00	1.43	11	Pass
NVNT	ANT2	802.11n(HT20)	5240.00	-0.01	0.00	-0.01	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5180.00	-0.51	0.00	-0.51	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5180.00	-0.86	0.00	-0.86	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5200.00	0.28	0.00	0.28	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5200.00	-0.23	0.00	-0.23	11	Pass
NVNT	ANT1	802.11ac(VHT20)	5240.00	1.06	0.00	1.06	11	Pass
NVNT	ANT2	802.11ac(VHT20)	5240.00	1.81	0.00	1.81	11	Pass
NVNT	ANT1	802.11ax(HE20)	5180.00	-1.62	0.00	-1.62	11	Pass
NVNT	ANT2	802.11ax(HE20)	5180.00	-0.83	0.00	-0.83	11	Pass
NVNT	ANT1	802.11ax(HE20)	5200.00	-1.24	0.00	-1.24	11	Pass
NVNT	ANT2	802.11ax(HE20)	5200.00	-1.09	0.00	-1.09	11	Pass
NVNT	ANT1	802.11ax(HE20)	5240.00	-0.71	0.00	-0.71	11	Pass
NVNT	ANT2	802.11ax(HE20)	5240.00	-0.86	0.00	-0.86	11	Pass
NVNT	ANT1	802.11n(HT40)	5190.00	-0.49	0.00	-0.49	11	Pass
NVNT	ANT2	802.11n(HT40)	5190.00	-2.65	0.00	-2.65	11	Pass
NVNT	ANT1	802.11n(HT40)	5230.00	-0.35	0.00	-0.35	11	Pass
NVNT	ANT2	802.11n(HT40)	5230.00	-0.62	0.00	-0.62	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5190.00	-0.01	0.00	-0.01	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5190.00	-2.07	0.00	-2.07	11	Pass
NVNT	ANT1	802.11ac(VHT40)	5230.00	-1.02	0.00	-1.02	11	Pass
NVNT	ANT2	802.11ac(VHT40)	5230.00	-1.68	0.00	-1.68	11	Pass
NVNT	ANT1	802.11ax(HE40)	5190.00	-4.07	0.00	-4.07	11	Pass
NVNT	ANT2	802.11ax(HE40)	5190.00	-2.75	0.00	-2.75	11	Pass
NVNT	ANT1	802.11ax(HE40)	5230.00	-0.75	0.00	-0.75	11	Pass
NVNT	ANT2	802.11ax(HE40)	5230.00	-3.38	0.00	-3.38	11	Pass
NVNT	ANT1	802.11ac(VHT80)	5210.00	-3.92	0.00	-3.92	11	Pass
NVNT	ANT2	802.11ac(VHT80)	5210.00	-4.52	0.00	-4.52	11	Pass
NVNT	ANT1	802.11ax(HE80)	5210.00	-5.79	0.00	-5.79	11	Pass
NVNT	ANT2	802.11ax(HE80)	5210.00	-6.79	0.00	-6.79	11	Pass

Note:

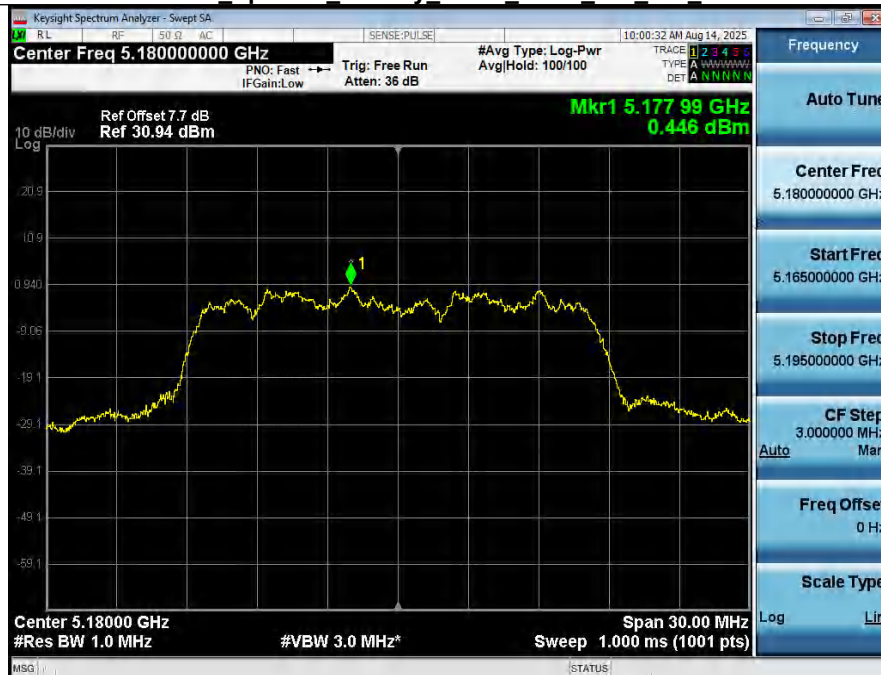
- 1) The cable loss and duty cycle factor are taken into account in results, e.i.r.p.=P_(Peak power)+ G

Test Graphs, SISO mode

Power Spectral Density_NVNT_ANT1_802_11a_5180

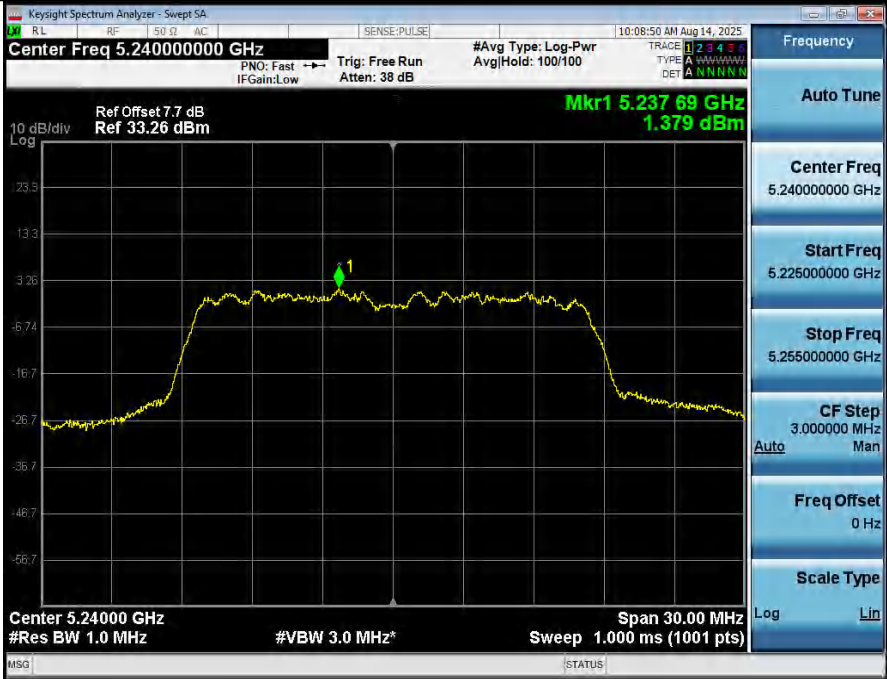


Power Spectral Density_NVNT_ANT2_802_11a_5180

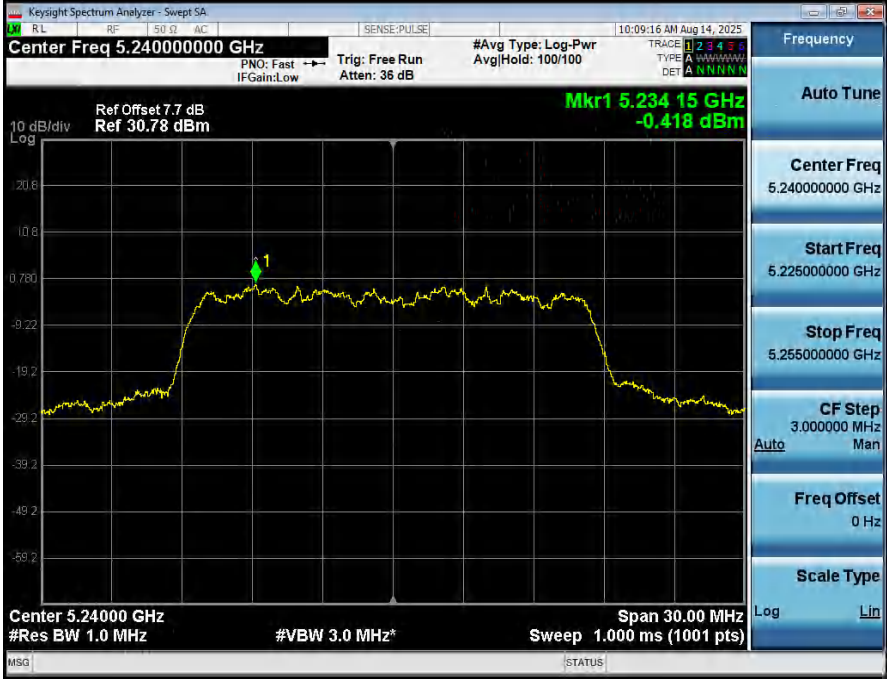




Power Spectral Density NVNT_ANT1_802_11a_5240



Power Spectral Density NVNT_ANT2_802_11a_5240



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5180



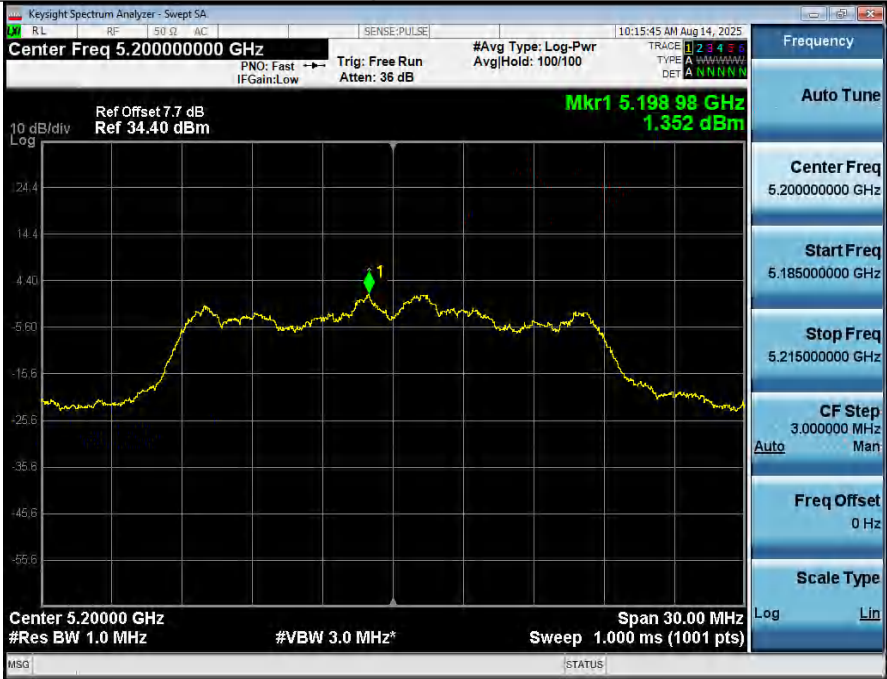
Power Spectral Density_NVNT_ANT2_802_11n(HT20)_5180



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5200



Power Spectral Density_NVNT_ANT2_802_11n(HT20)_5200



Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5240



Power Spectral Density_NVNT_ANT2_802_11n(HT20)_5240

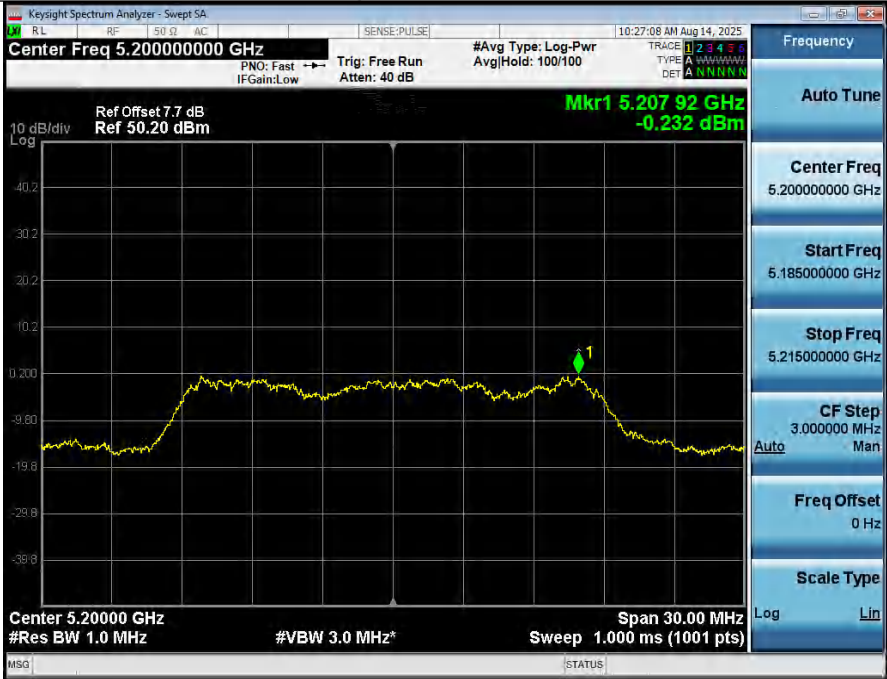


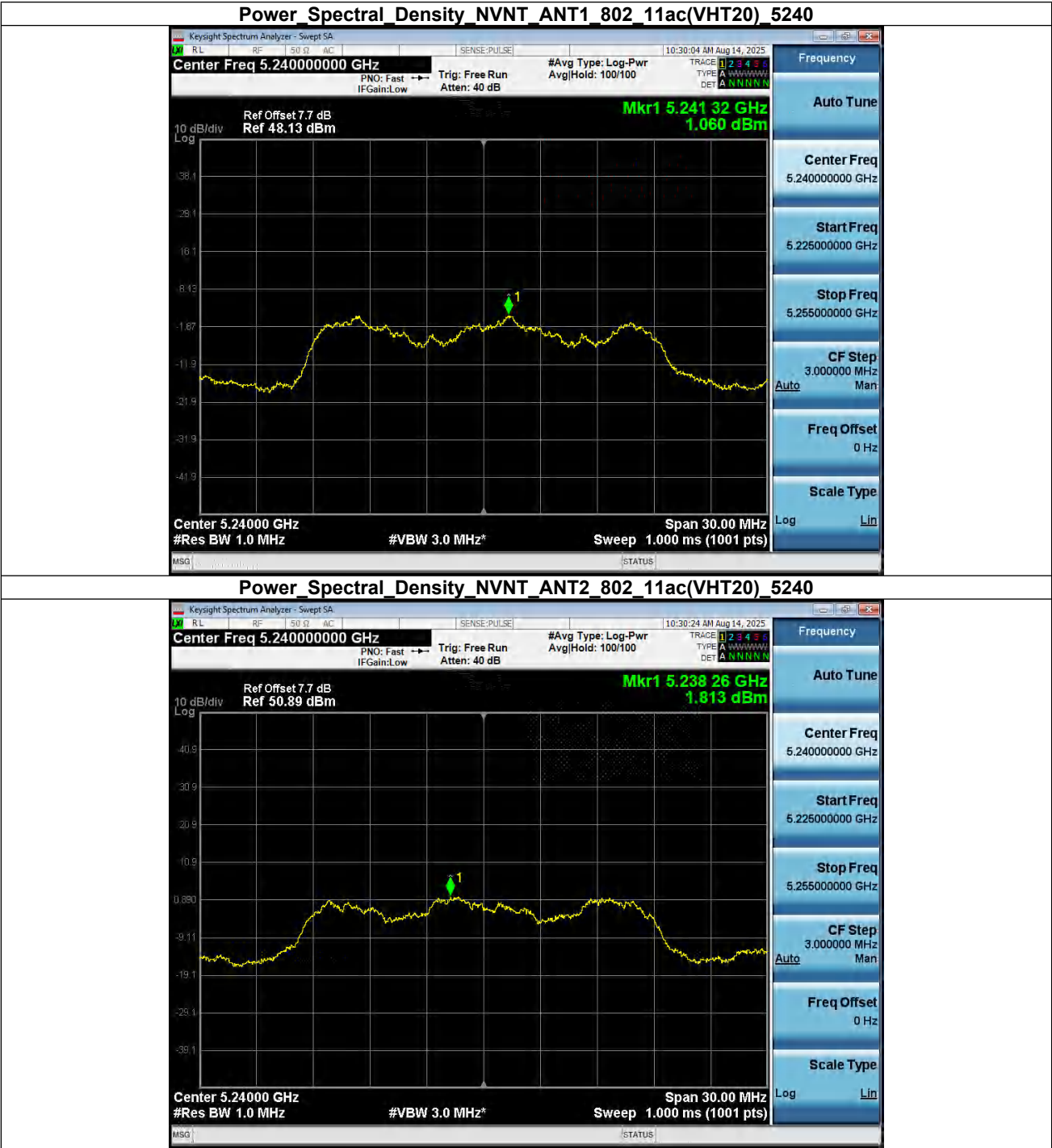


Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5200

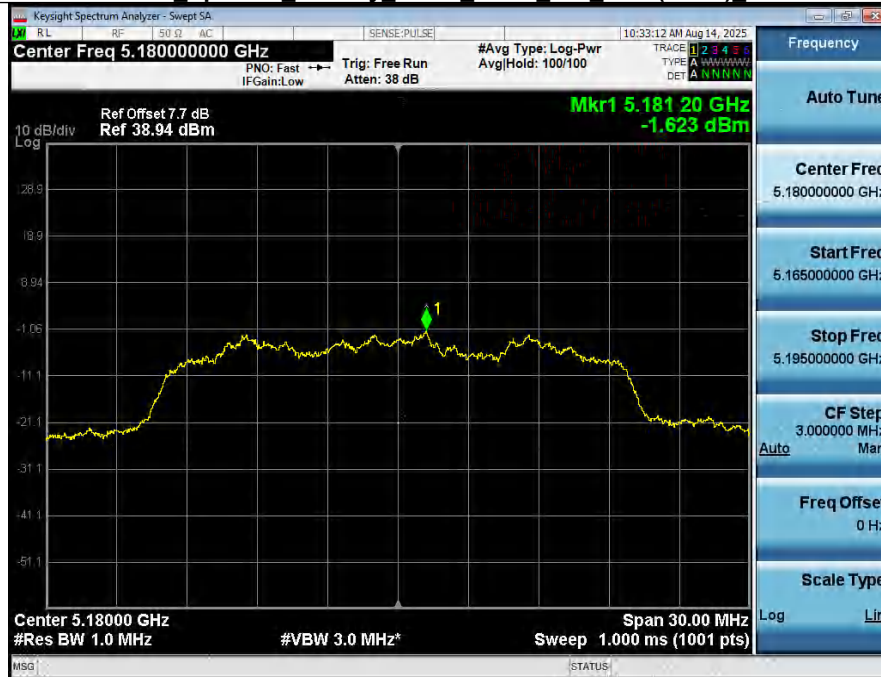


Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5200





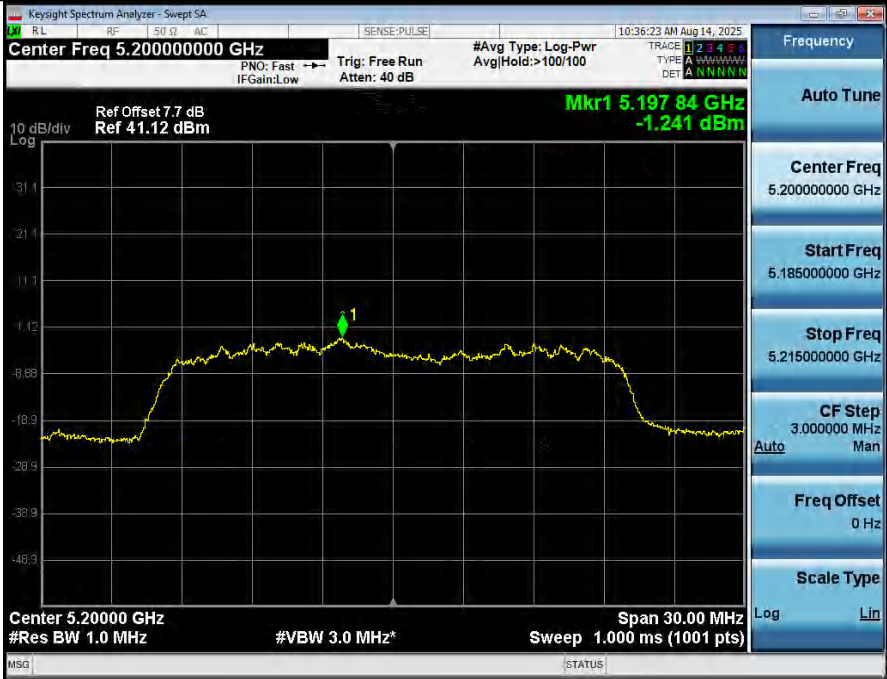
Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5180



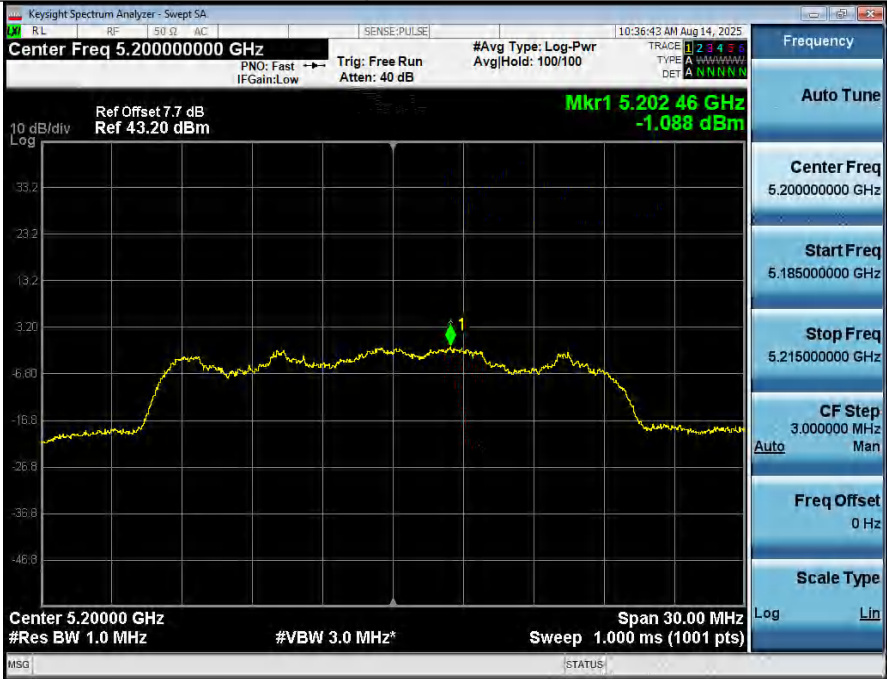
Power Spectral Density NVNT_ANT2_802_11ax(HE20)_5180



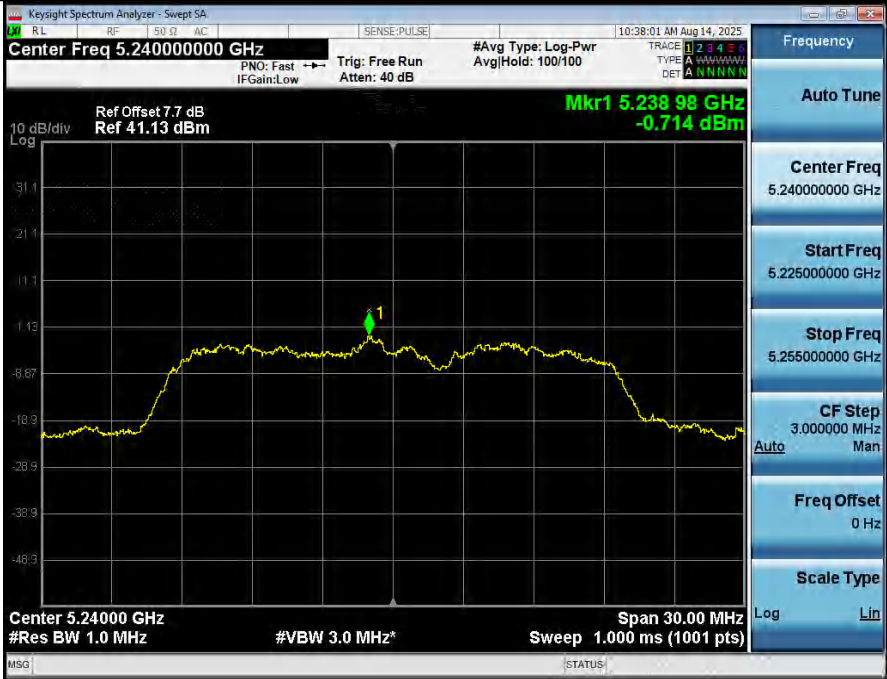
Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5200



Power Spectral Density NVNT_ANT2_802_11ax(HE20)_5200



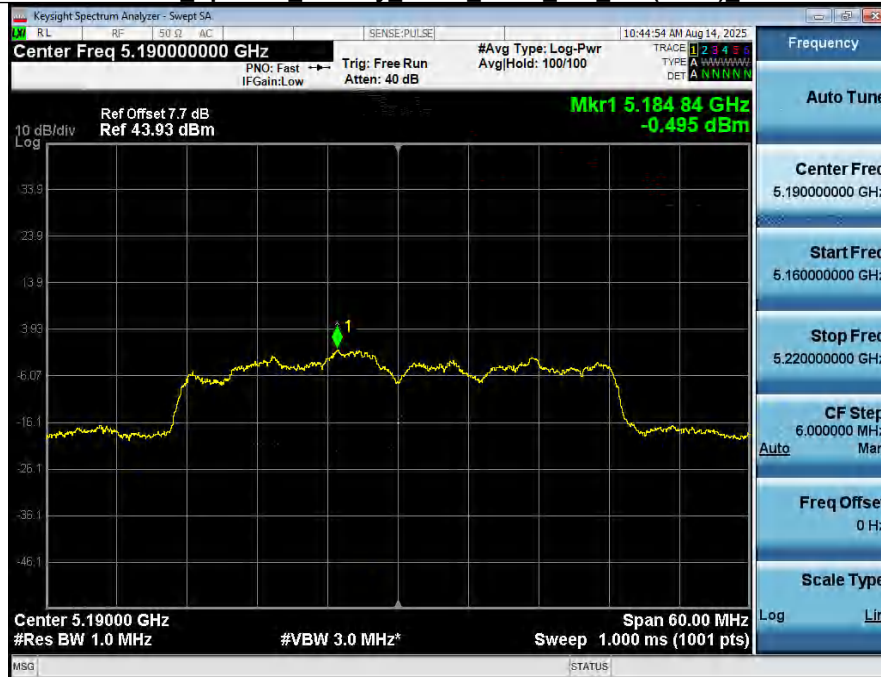
Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5240



Power Spectral Density NVNT_ANT2_802_11ax(HE20)_5240



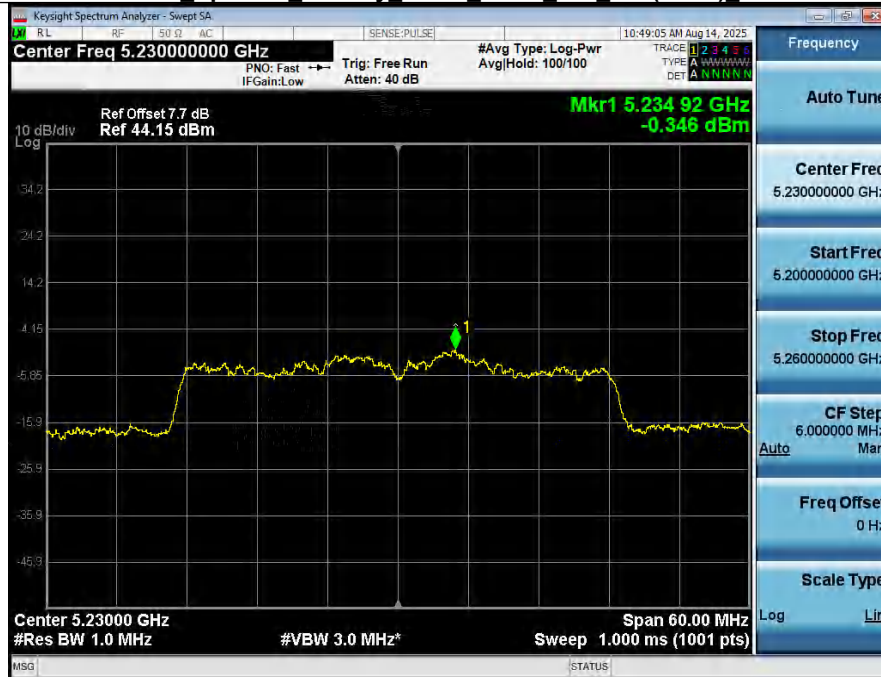
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5190



Power Spectral Density_NVNT_ANT2_802_11n(HT40)_5190



Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5230



Power Spectral Density_NVNT_ANT2_802_11n(HT40)_5230



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5190



Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5190



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5230



Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5230



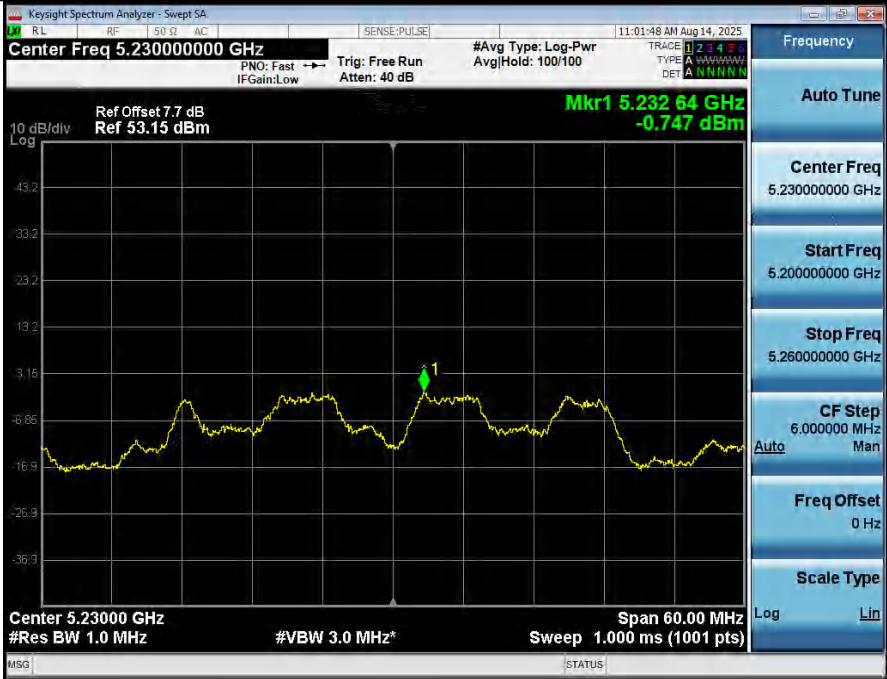
Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5190



Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5190



Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5230



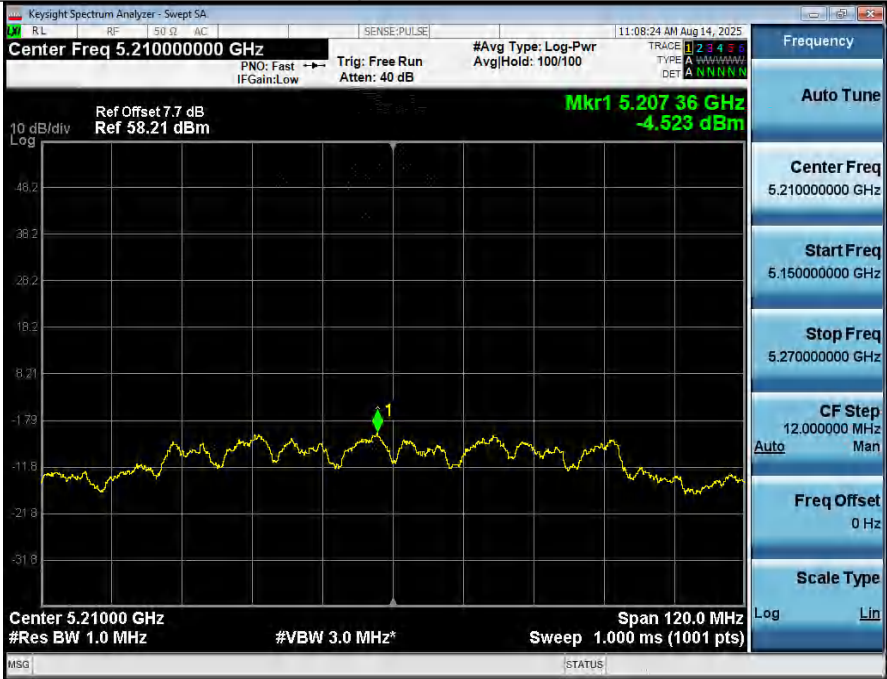
Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5230



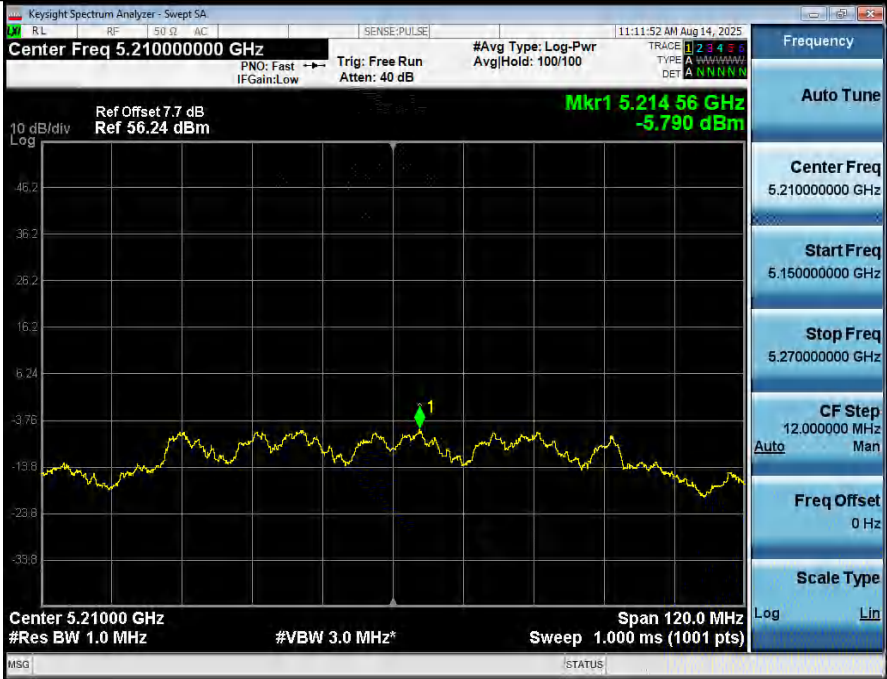
Power Spectral Density NVNT_ANT1_802_11ac(VHT80)_5210



Power Spectral Density NVNT_ANT2_802_11ac(VHT80)_5210



Power Spectral Density NVNT_ANT1_802_11ax(HE80)_5210



Power Spectral Density NVNT_ANT2_802_11ax(HE80)_5210



Test Result, MIMO mode

Condition	Antenna	Mode	Frequency (MHz)	MIMO PSD (dBm/MHz)	Limit (dBm/MHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	5180.00	2.50	11	Pass
NVNT	MIMO_TX	802.11n(HT20)	5200.00	3.70	11	Pass
NVNT	MIMO_TX	802.11n(HT20)	5240.00	2.97	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5180.00	1.66	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5200.00	2.53	11	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5240.00	3.23	11	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5180.00	0.92	11	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5200.00	0.86	11	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5240.00	1.38	11	Pass
NVNT	MIMO_TX	802.11n(HT40)	5190.00	1.22	11	Pass
NVNT	MIMO_TX	802.11n(HT40)	5230.00	1.97	11	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5190.00	1.01	11	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5230.00	0.87	11	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5190.00	-1.27	11	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5230.00	0.69	11	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5210.00	-2.11	11	Pass
NVNT	MIMO_TX	802.11ax(HE80)	5210.00	-3.53	11	Pass

Appendix A.4: Test Results of Frequency Stability

Test Result

Mode	Voltage (V)	FHL (5180MHz)	Deviation (kHz)	FHH (5240MHz)	Deviation (kHz)
Band 1 (5150-5250 MHz)	DC 6.48V	5179.996	4	5239.994	6
	DC 7.20V	5179.994	6	5239.995	5
	DC 7.92V	5179.993	7	5239.993	7

Mode	Temperature (°C)	FHL (5180MHz)	Deviation (kHz)	FHH (5240MHz)	Deviation (kHz)
Band 1 (5150-5250 MHz)	-10°C	5179.995	5	5239.996	4
	0°C	5179.992	8	5239.991	9
	+10°C	5179.997	3	5239.992	8
	+20°C	5179.995	5	5239.994	6
	+30°C	5179.992	8	5239.994	6
	+40°C	5179.995	5	5239.992	8
	+50°C	5179.992	8	5239.995	5

Appendix A.5: 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



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: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 14:20:49



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	45.8553	8.45	14.32	22.77	40.00	-17.23	QP	150	58	P	
2	56.1974	9.78	13.51	23.29	40.00	-16.71	QP	150	256	P	
3	136.9391	9.23	13.69	22.92	43.50	-20.58	QP	150	259	P	
4	147.9214	9.03	14.08	23.11	43.50	-20.39	QP	150	89	P	
5	292.0583	15.96	14.76	30.72	46.00	-15.28	QP	150	341	P	
6 *	550.9480	11.72	21.55	33.27	46.00	-12.73	QP	150	86	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

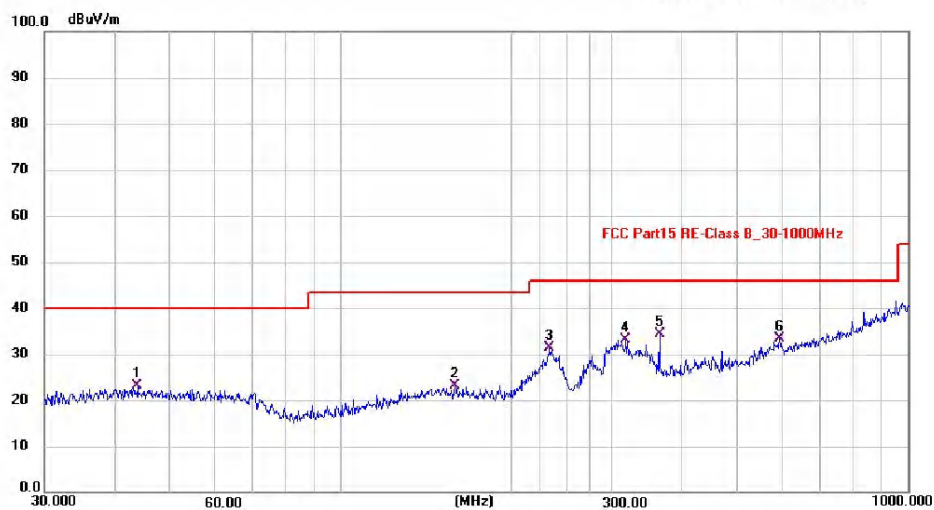
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax20 5180MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 14:25:50



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	43.8119	8.68	14.41	23.09	40.00	-16.91	QP	150	230	P	
2	158.6677	8.72	14.32	23.04	43.50	-20.46	QP	150	18	P	
3	233.3487	18.59	12.73	31.32	46.00	-14.68	QP	150	173	P	
4	317.7011	17.67	15.40	33.07	46.00	-12.93	QP	150	220	P	
5 *	364.2595	17.77	16.72	34.49	46.00	-11.51	QP	150	150	P	
6	593.0497	10.57	22.70	33.27	46.00	-12.73	QP	150	354	P	

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

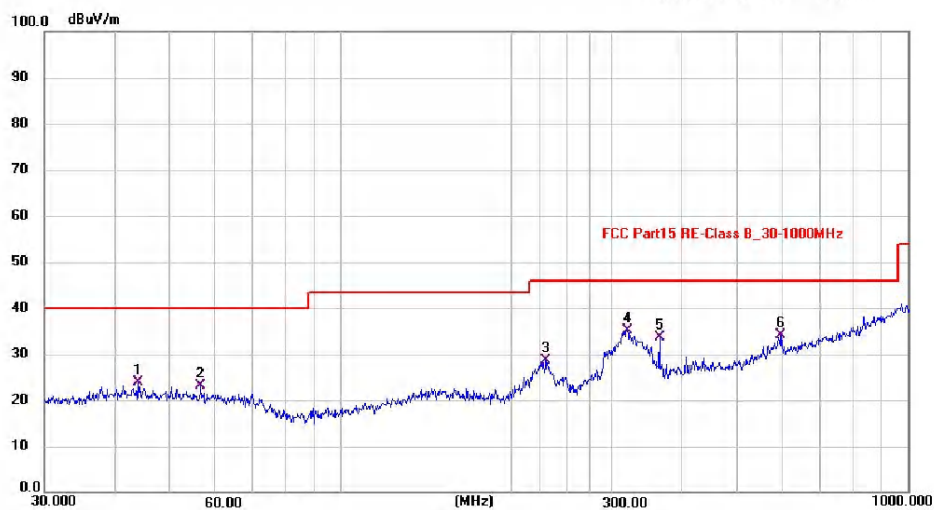


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5200MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 14:30:15



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	43.8120	9.50	14.41	23.91	40.00	-16.09	QP	150	52	P	
2	56.5930	9.68	13.46	23.14	40.00	-16.86	QP	150	295	P	
3	230.0985	15.97	12.54	28.51	46.00	-17.49	QP	150	30	P	
4 *	319.9370	19.75	15.47	35.22	46.00	-10.78	QP	150	288	P	
5	364.2595	16.87	16.72	33.59	46.00	-12.41	QP	150	191	P	
6	597.2234	11.29	22.81	34.10	46.00	-11.90	QP	150	48	P	

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

File: FCC 30-1000MHz 5\Data :#3

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Engineer Signature:



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: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax20 5200MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 14:35:59



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	42.7496	8.94	14.45	23.39	40.00	-16.61	QP	150	305	P	
2	62.6507	9.49	12.84	22.33	40.00	-17.67	QP	150	209	P	
3	163.1818	8.87	14.04	22.91	43.50	-20.59	QP	150	141	P	
4	364.2595	12.95	16.72	29.67	46.00	-16.33	QP	150	66	P	
5	441.7426	11.64	18.74	30.38	46.00	-15.62	QP	150	248	P	
6 *	550.9480	13.80	21.55	35.35	46.00	-10.65	QP	150	264	P	

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

File: FCC 30-1000MHz 5\Data :#4

Page: 1

Engineer Signature:

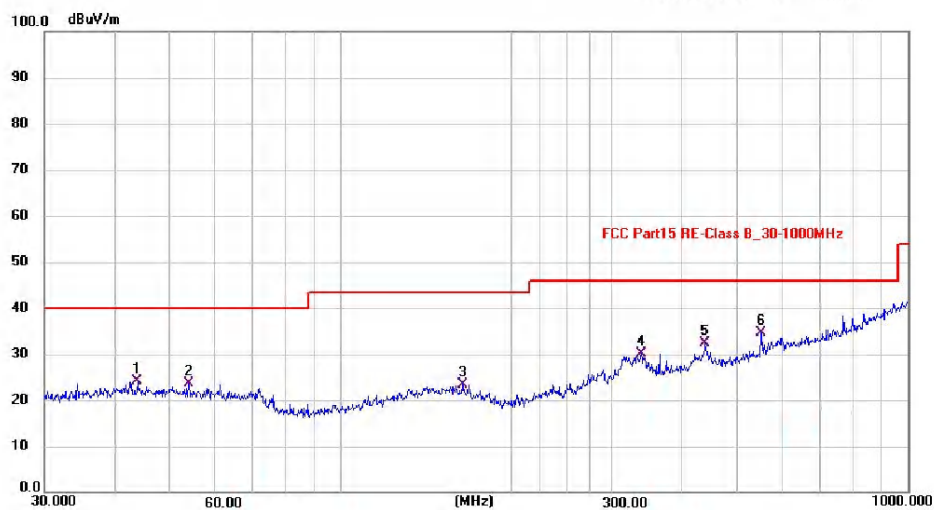


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5240MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 14:40:12



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	43.8119	9.78	14.41	24.19	40.00	-15.81	QP	150	261	P	
2	53.8818	9.94	13.74	23.68	40.00	-16.32	QP	150	97	P	
3	163.7550	9.33	13.98	23.31	43.50	-20.19	QP	150	116	P	
4	338.4001	14.25	15.98	30.23	46.00	-15.77	QP	150	162	P	
5	438.6554	13.84	18.66	32.50	46.00	-13.50	QP	150	13	P	
6 *	550.9480	13.05	21.55	34.60	46.00	-11.40	QP	150	0	P	

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

File: FCC 30-1000MHz 5\Data :#5

Page: 1

Engineer Signature:



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: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax20 5240MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 14:45:45



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	44.5868	9.54	14.37	23.91	40.00	-16.09	QP	150	24	P	
2	72.0843	11.36	11.54	22.90	40.00	-17.10	QP	150	317	P	
3	226.8936	15.41	12.33	27.74	46.00	-18.26	QP	150	305	P	
4 *	322.1886	19.93	15.53	35.46	46.00	-10.54	QP	150	152	P	
5	364.2595	16.09	16.72	32.81	46.00	-13.19	QP	150	79	P	
6	593.0497	10.73	22.70	33.43	46.00	-12.57	QP	150	4	P	

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



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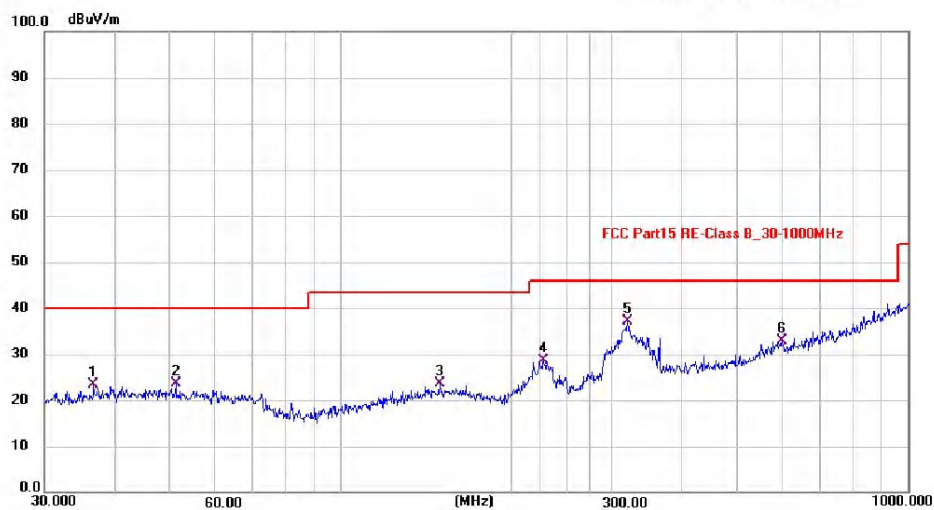
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax40 5190MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 14:50:47



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	36.6374	9.21	14.08	23.29	40.00	-16.71	QP	150	56	P	
2	51.1210	9.49	14.03	23.52	40.00	-16.48	QP	150	110	P	
3	149.4857	9.41	14.11	23.52	43.50	-19.98	QP	150	23	P	
4	227.6906	16.13	12.38	28.51	46.00	-17.49	QP	150	34	P	
5 *	319.9370	21.69	15.47	37.16	46.00	-8.84	QP	150	262	P	
6	599.3212	10.12	22.86	32.98	46.00	-13.02	QP	150	17	P	

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

File: FCC 30-1000MHz 5\Data :#7

Page: 1

Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
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Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax40 5190MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 14:55:09



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	40.4172	9.45	14.55	24.00	40.00	-16.00	QP	150	148	P	
2	47.4918	9.87	14.25	24.12	40.00	-15.88	QP	150	351	P	
3	145.3506	9.73	14.02	23.75	43.50	-19.75	QP	150	155	P	
4	330.1949	14.50	15.75	30.25	46.00	-15.75	QP	150	343	P	
5	438.6554	12.51	18.66	31.17	46.00	-14.83	QP	150	43	P	
6 *	550.9480	12.62	21.55	34.17	46.00	-11.83	QP	150	223	P	

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

File: FCC 30-1000MHz 5\Data :#8

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Engineer Signature:



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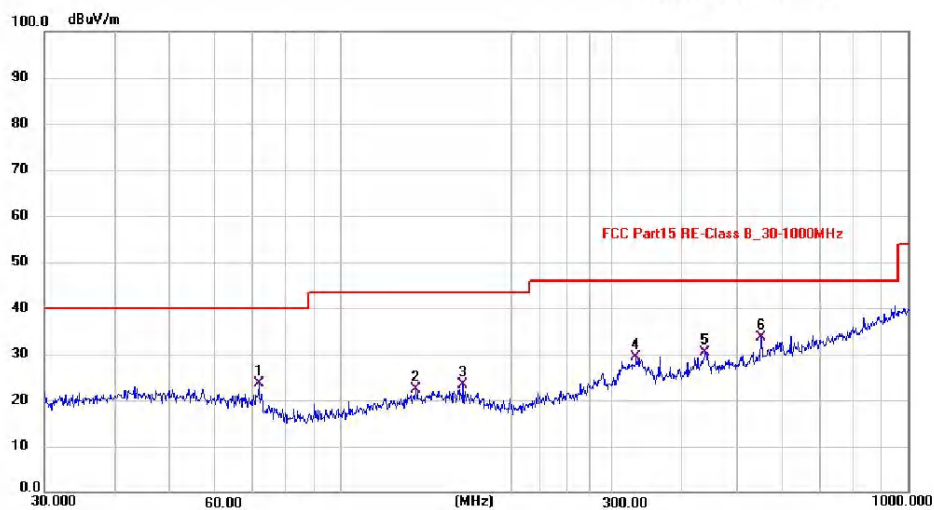
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax40 5230MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 15:00:45



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	71.5806	11.86	11.67	23.53	40.00	-16.47	QP	150	157	P	
2	135.5062	8.83	13.60	22.43	43.50	-21.07	QP	150	259	P	
3	164.3301	9.39	13.93	23.32	43.50	-20.18	QP	150	164	P	
4	331.3546	13.58	15.78	29.36	46.00	-16.64	QP	150	230	P	
5	438.6554	11.78	18.66	30.44	46.00	-15.56	QP	150	297	P	
6 *	550.9480	12.14	21.55	33.69	46.00	-12.31	QP	150	49	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: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax40 5230MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:05:25



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	38.2120	9.00	14.31	23.31	40.00	-16.69	QP	150	324	P	
2	42.8998	8.87	14.45	23.32	40.00	-16.68	QP	150	110	P	
3	150.5378	10.23	14.14	24.37	43.50	-19.13	QP	150	208	P	
4	228.4904	15.93	12.43	28.36	46.00	-17.64	QP	150	306	P	
5 *	315.4808	19.87	15.34	35.21	46.00	-10.79	QP	150	27	P	
6	590.9737	11.90	22.64	34.54	46.00	-11.46	QP	150	64	P	

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



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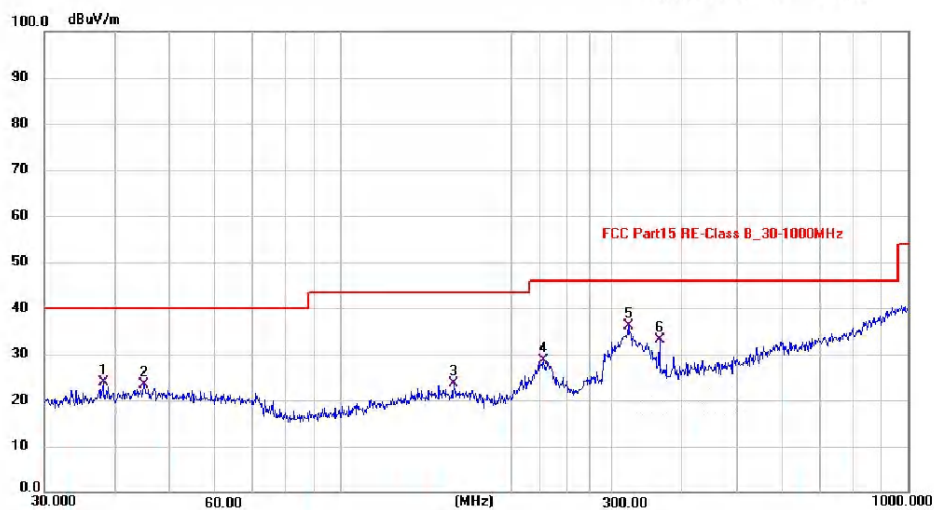
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax80 5210MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 15:10:02



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	38.0782	9.64	14.29	23.93	40.00	-16.07	QP	150	103	P	
2	44.9006	8.93	14.36	23.29	40.00	-16.71	QP	150	355	P	
3	158.1123	9.40	14.31	23.71	43.50	-19.79	QP	150	348	P	
4	227.6906	16.29	12.38	28.67	46.00	-17.33	QP	150	84	P	
5 *	321.0608	20.75	15.50	36.25	46.00	-9.75	QP	150	289	P	
6	364.2595	16.39	16.72	33.11	46.00	-12.89	QP	150	81	P	

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

File: FCC 30-1000MHz 5\Data :#11

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Engineer Signature:



Shenzhen PSI Testing Co., Ltd.
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Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax80 5210MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 15:15:50



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	41.2765	8.70	14.52	23.22	40.00	-16.78	QP	150	220	P	
2	46.0162	9.29	14.31	23.60	40.00	-16.40	QP	150	142	P	
3	138.8734	10.48	13.83	24.31	43.50	-19.19	QP	150	135	P	
4	337.2155	15.07	15.95	31.02	46.00	-14.98	QP	150	21	P	
5	440.1962	13.79	18.70	32.49	46.00	-13.51	QP	150	286	P	
6 *	550.9480	13.24	21.55	34.79	46.00	-11.21	QP	150	45	P	

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

File: FCC 30-1000MHz 5\Data :#12

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Engineer Signature:

1GHz - 18GHz

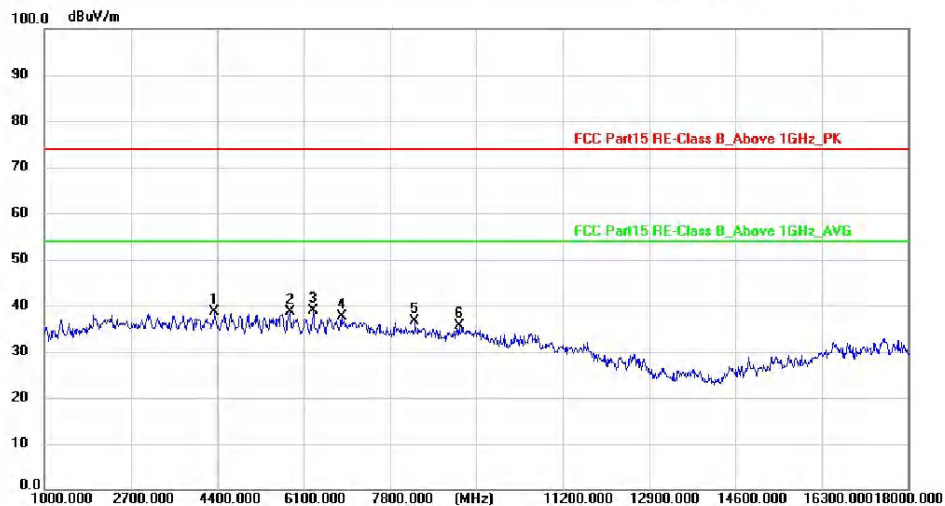


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: FreeScan Omni	Test Engineer: Felix	
Test Mode: a 5180MHz		
Test Voltage: DC 7.2V		
Note:		

Radiated Emission Measurement

Test Date: 2025/7/10 18:30:15



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	4349.000	51.31	-12.80	38.51	74.00	-35.49	peak	150	200	P	
2	5840.750	48.43	-9.85	38.58	74.00	-35.42	peak	150	289	P	
3 *	6297.625	48.26	-9.29	38.97	74.00	-35.03	peak	150	11	P	
4	6850.125	46.65	-8.95	37.70	74.00	-36.30	peak	150	323	P	
5	8301.500	44.81	-8.19	36.62	74.00	-37.38	peak	150	73	P	
6	9174.875	42.77	-7.20	35.57	74.00	-38.43	peak	150	5	P	

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

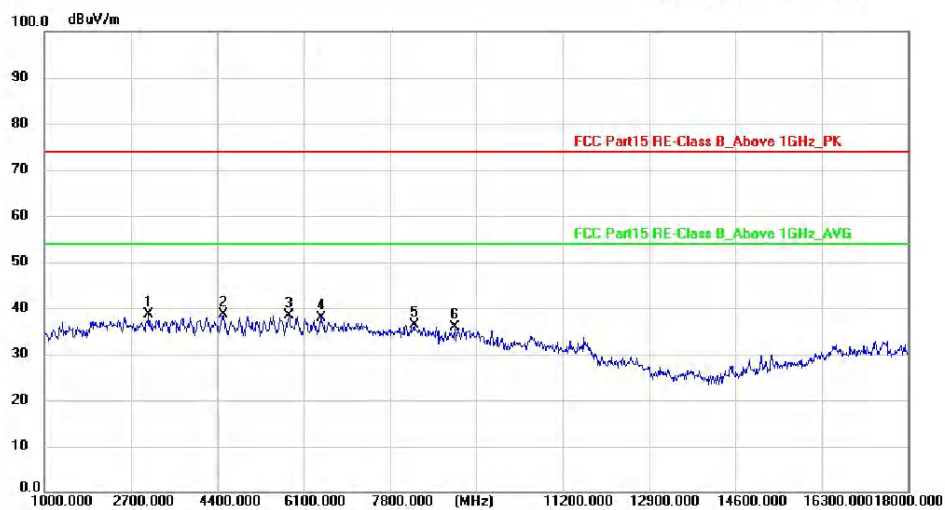


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: a 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 18:35:07



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 *	3061.250	53.56	-14.85	38.71	74.00	-35.29	peak	150	287	P	
2	4525.375	51.04	-12.52	38.52	74.00	-35.48	peak	150	101	P	
3	5817.375	48.24	-9.90	38.34	74.00	-35.66	peak	150	104	P	
4	6469.750	47.16	-9.18	37.98	74.00	-36.02	peak	150	328	P	
5	8284.500	44.55	-8.21	36.34	74.00	-37.66	peak	150	84	P	
6	9079.250	43.11	-7.31	35.80	74.00	-38.20	peak	150	236	P	

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

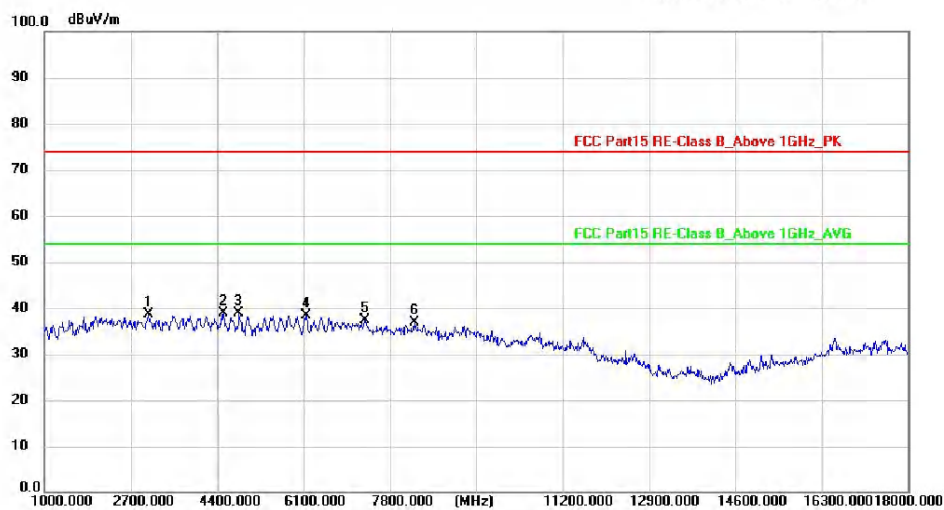


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: n20 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 18:40:27



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	3061.250	53.56	-14.85	38.71	74.00	-35.29	peak	150	63	P	
2 *	4519.000	51.43	-12.53	38.90	74.00	-35.10	peak	150	97	P	
3	4833.500	50.94	-12.05	38.89	74.00	-35.11	peak	150	308	P	
4	6151.000	47.75	-9.37	38.38	74.00	-35.62	peak	150	180	P	
5	7313.375	46.12	-8.76	37.36	74.00	-36.64	peak	150	323	P	
6	8286.625	45.20	-8.21	36.99	74.00	-37.01	peak	150	161	P	

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



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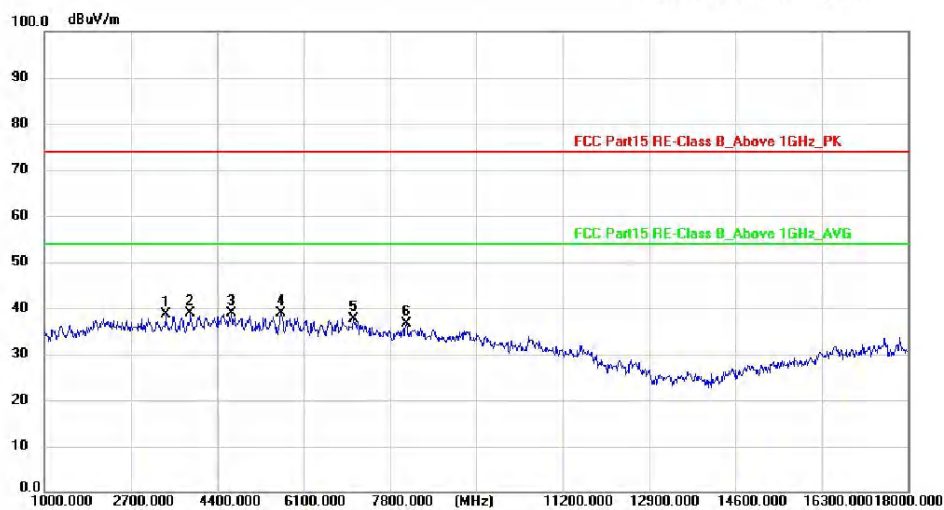
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: n20 5180MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/10 18:45:49



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	3394.875	53.05	-14.30	38.75	74.00	-35.25	peak	150	357	P	
2 *	3873.000	52.47	-13.53	38.94	74.00	-35.06	peak	150	164	P	
3	4701.750	51.16	-12.26	38.90	74.00	-35.10	peak	150	306	P	
4	5666.500	49.02	-10.24	38.78	74.00	-35.22	peak	150	238	P	
5	7098.750	46.35	-8.82	37.53	74.00	-36.47	peak	150	104	P	
6	8129.375	45.11	-8.39	36.72	74.00	-37.28	peak	150	148	P	

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

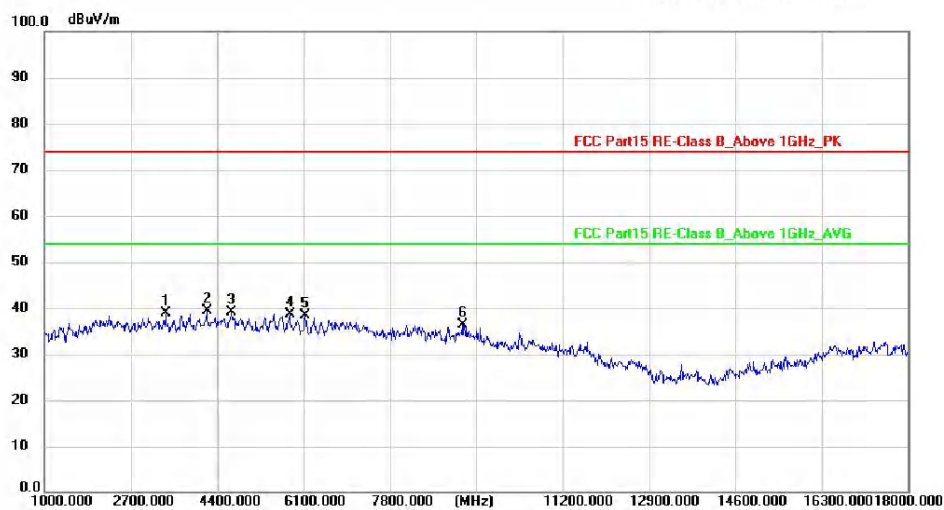


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ac20 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 18:50:43



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	3388.500	53.17	-14.31	38.86	74.00	-35.14	peak	150	265	P	
2 *	4204.500	52.28	-13.02	39.26	74.00	-34.74	peak	150	46	P	
3	4699.625	51.31	-12.26	39.05	74.00	-34.95	peak	150	360	P	
4	5828.000	48.52	-9.87	38.65	74.00	-35.35	peak	150	244	P	
5	6138.250	47.81	-9.39	38.42	74.00	-35.58	peak	150	58	P	
6	9240.750	43.60	-7.11	36.49	74.00	-37.51	peak	150	122	P	

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

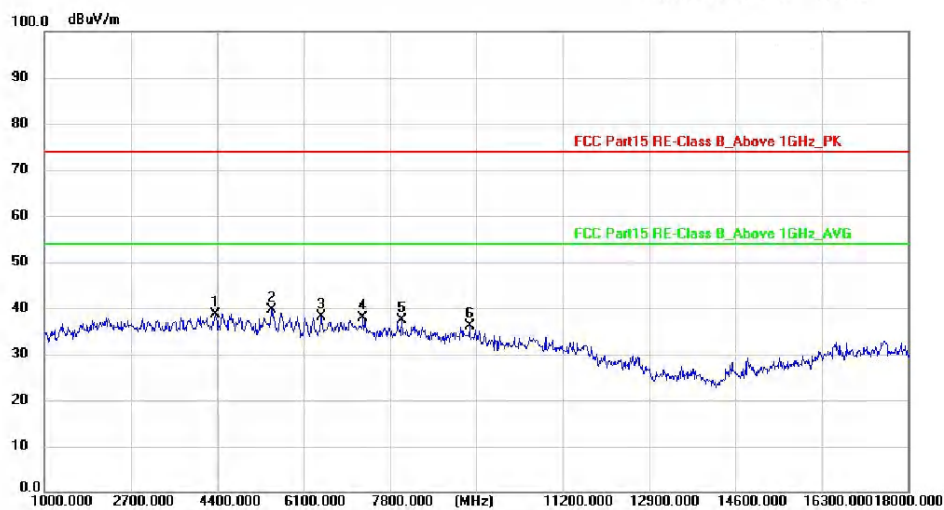


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ac20 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 18:55:04



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	4366.000	51.48	-12.77	38.71	74.00	-35.29	peak	150	136	P	
2 *	5479.500	50.27	-10.69	39.58	74.00	-34.42	peak	150	115	P	
3	6454.875	47.32	-9.19	38.13	74.00	-35.87	peak	150	17	P	
4	7279.375	46.55	-8.77	37.78	74.00	-36.22	peak	150	304	P	
5	8050.750	45.77	-8.47	37.30	74.00	-36.70	peak	150	219	P	
6	9376.750	43.16	-6.95	36.21	74.00	-37.79	peak	150	120	P	

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

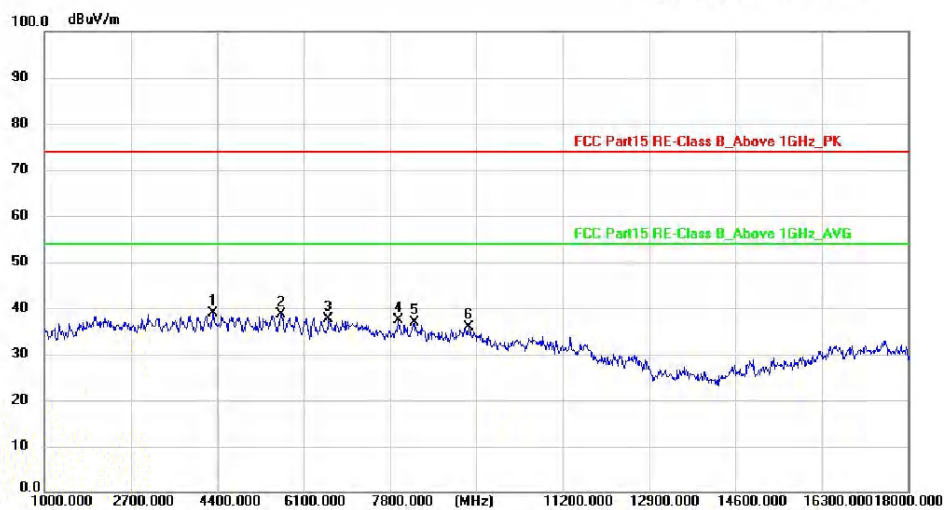


Shenzhen PSI Testing Co., Ltd.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5180MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 19:00:22



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 *	4321.375	51.81	-12.83	38.98	74.00	-35.02	peak	150	265	P	
2	5662.250	48.86	-10.26	38.60	74.00	-35.40	peak	150	259	P	
3	6593.000	46.61	-9.10	37.51	74.00	-36.49	peak	150	182	P	
4	7982.750	45.81	-8.54	37.27	74.00	-36.73	peak	150	101	P	
5	8290.875	45.03	-8.20	36.83	74.00	-37.17	peak	150	316	P	
6	9349.125	42.81	-6.99	35.82	74.00	-38.18	peak	150	21	P	

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