

Test Result, MIMO mode

Condition	Antenna	Mode	Frequency (MHz)	MIMO Conducted Power (dBm)	Limit (dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	5745.00	13.88	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	5785.00	13.90	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	5825.00	13.73	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5745.00	13.28	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5785.00	13.32	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5825.00	13.19	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5745.00	13.68	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5785.00	13.65	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5825.00	13.50	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	5755.00	13.73	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	5795.00	14.23	30	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5755.00	13.78	30	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5795.00	14.10	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5755.00	13.71	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5795.00	12.98	30	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5775.00	13.33	30	Pass
NVNT	MIMO_TX	802.11ax(HE80)	5775.00	13.33	30	Pass

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

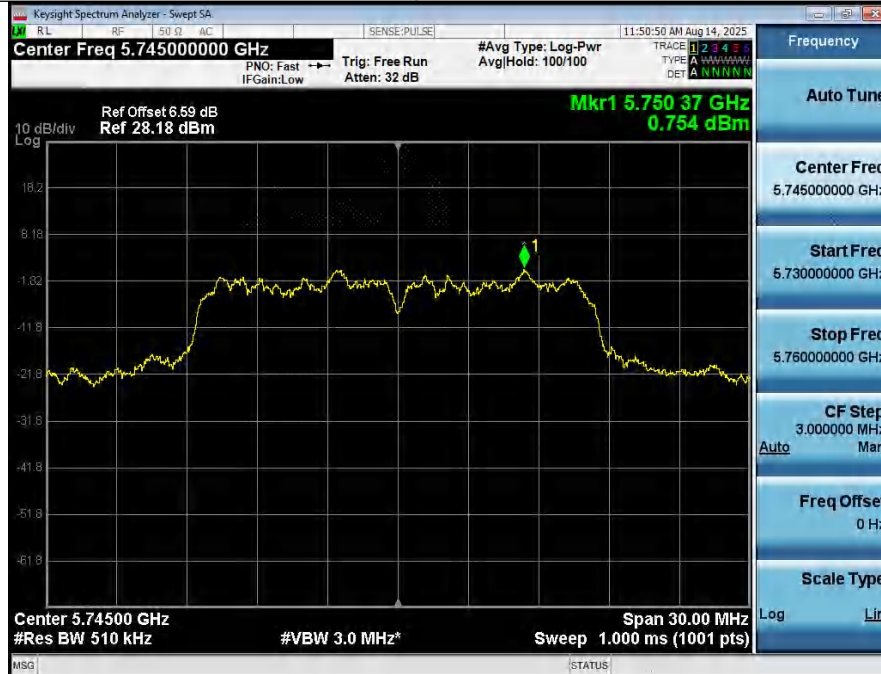
Test Result, SISO mode

Condition	Antenna	Modulation	Frequency (MHz)	PSD SA (dBm/RBW)	RB factor (dB)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	ANT1	802.11a	5745.00	0.75	-0	0.67	30	Pass
NVNT	ANT2	802.11a	5745.00	-2.14	-0	-2.22	30	Pass
NVNT	ANT1	802.11a	5785.00	0.21	-0	0.13	30	Pass
NVNT	ANT2	802.11a	5785.00	-1.48	-0	-1.57	30	Pass
NVNT	ANT1	802.11a	5825.00	-1.07	-0	-1.16	30	Pass
NVNT	ANT2	802.11a	5825.00	-1.76	-0	-1.84	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	-1.44	-0	-1.53	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	-0.32	-0	-0.41	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	-0.09	-0	-0.17	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	1.69	-0	1.61	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	0.73	-0	0.64	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	0.82	-0	0.74	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	-1.61	-0	-1.70	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	-3.33	-0	-3.42	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	0.34	-0	0.26	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	0.69	-0	0.60	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	-0.17	-0	-0.26	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	2.60	-0	2.51	30	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	-2.63	-0	-2.71	30	Pass
NVNT	ANT2	802.11ax(HE20)	5745.00	-2.41	-0	-2.49	30	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	0.66	-0	0.58	30	Pass
NVNT	ANT2	802.11ax(HE20)	5785.00	0.58	-0	0.50	30	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	0.20	-0	0.11	30	Pass
NVNT	ANT2	802.11ax(HE20)	5825.00	-0.94	-0	-1.03	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	-0.84	-0	-0.93	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	-0.58	-0	-0.67	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	-1.49	-0	-1.58	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	-0.73	-0	-0.81	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	1.52	-0	1.44	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	-0.73	-0	-0.82	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	-0.41	-0	-0.49	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	-0.66	-0	-0.75	30	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	-3.85	-0	-3.93	30	Pass
NVNT	ANT2	802.11ax(HE40)	5755.00	-4.11	-0	-4.19	30	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	-2.00	-0	-2.09	30	Pass
NVNT	ANT2	802.11ax(HE40)	5795.00	-3.11	-0	-3.20	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	-5.21	-0	-5.29	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	-5.65	-0	-5.74	30	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	-5.09	-0	-5.18	30	Pass
NVNT	ANT2	802.11ax(HE80)	5775.00	-5.06	-0	-5.14	30	Pass

Note: 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_5745



Power Spectral Density_NVNT_ANT2_802_11a_5745



Power Spectral Density NVNT_ANT1_802_11a_5785



Power Spectral Density NVNT_ANT2_802_11a_5785



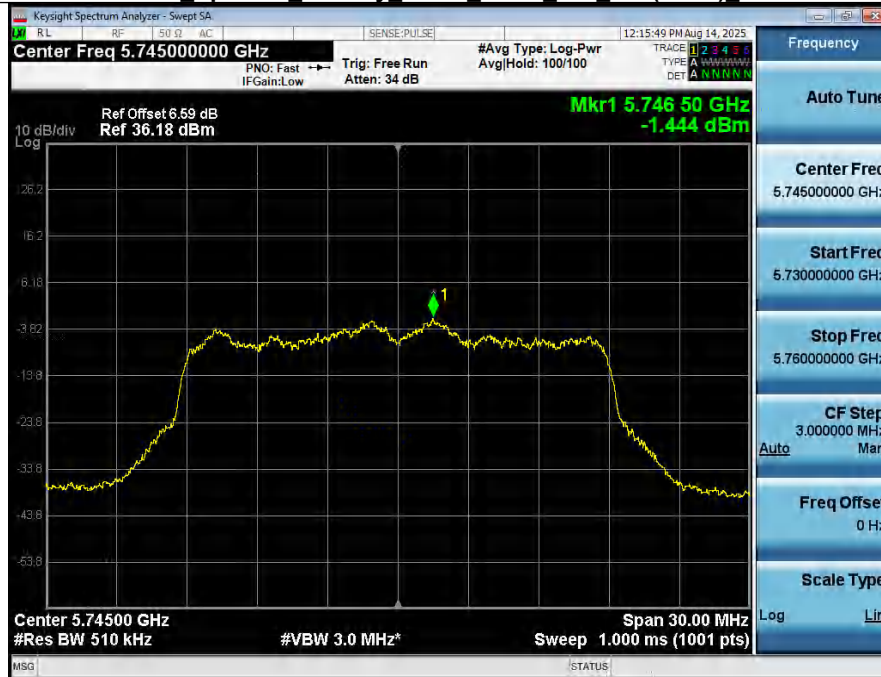
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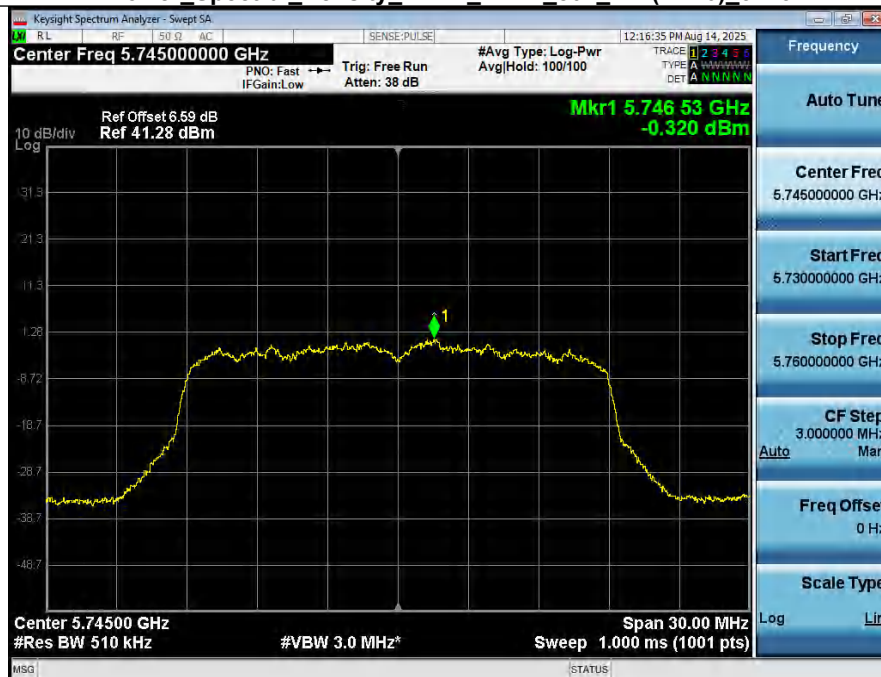
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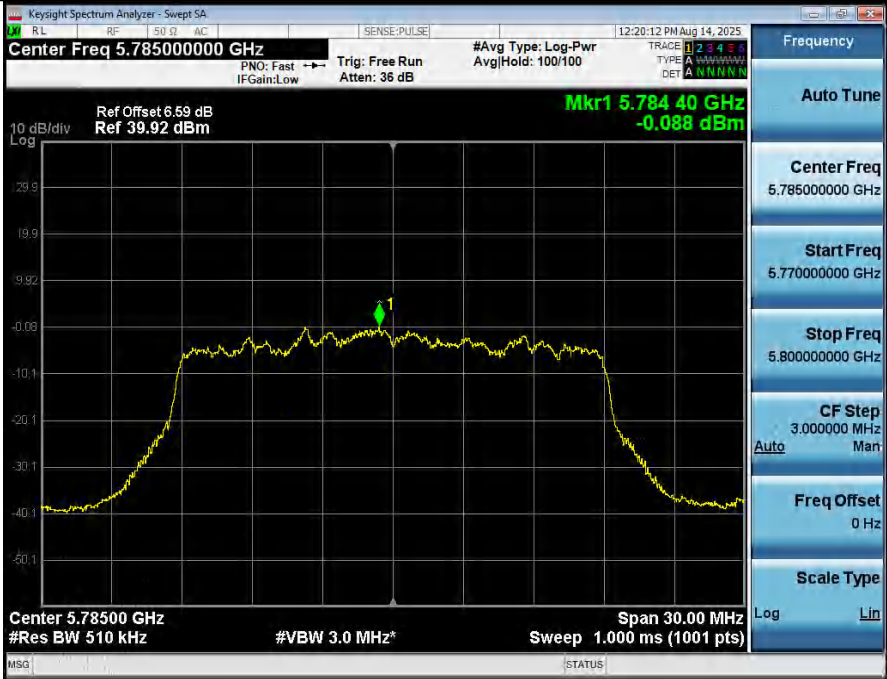
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5745



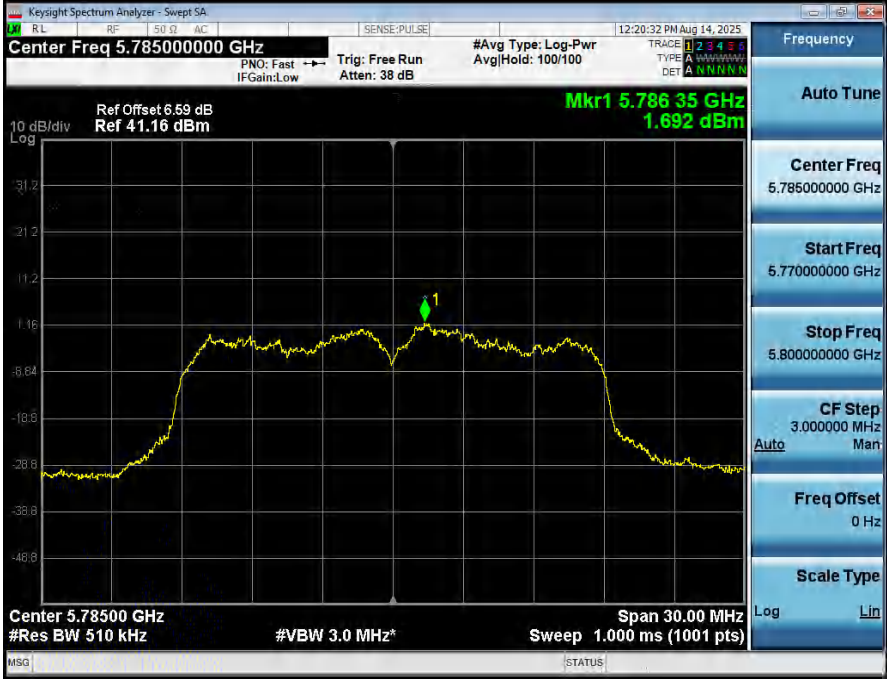
Power Spectral Density_NVNT_ANT2_802_11n(HT20)_5745



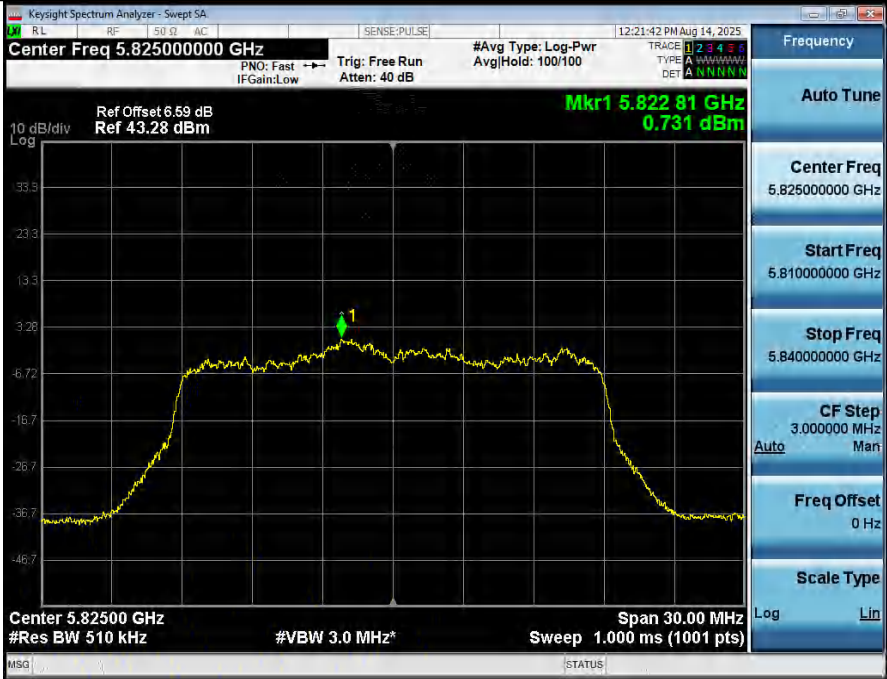
Power Spectral Density_NVNT_ANT1_802_11n(HT20)_5785



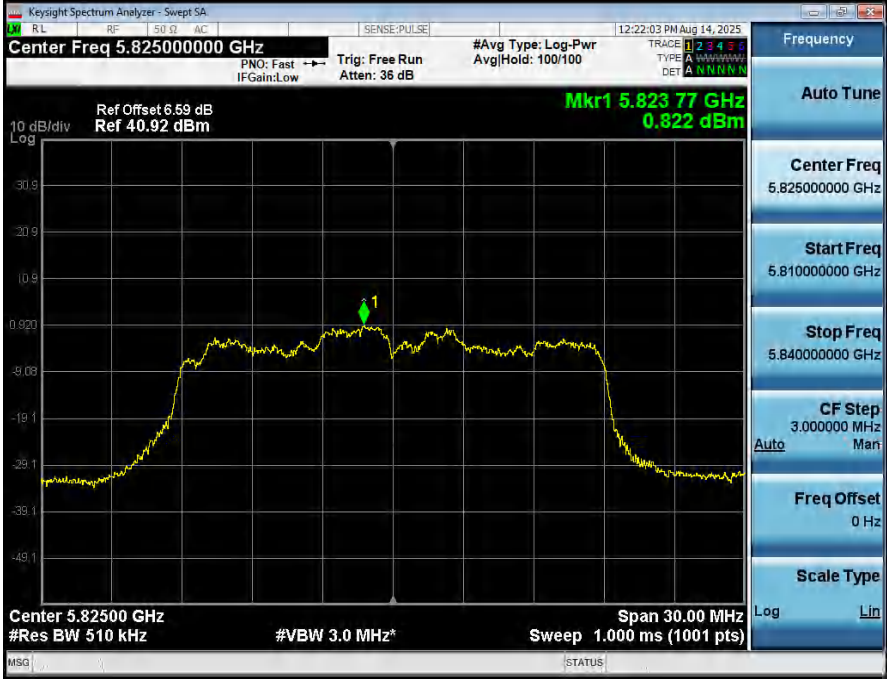
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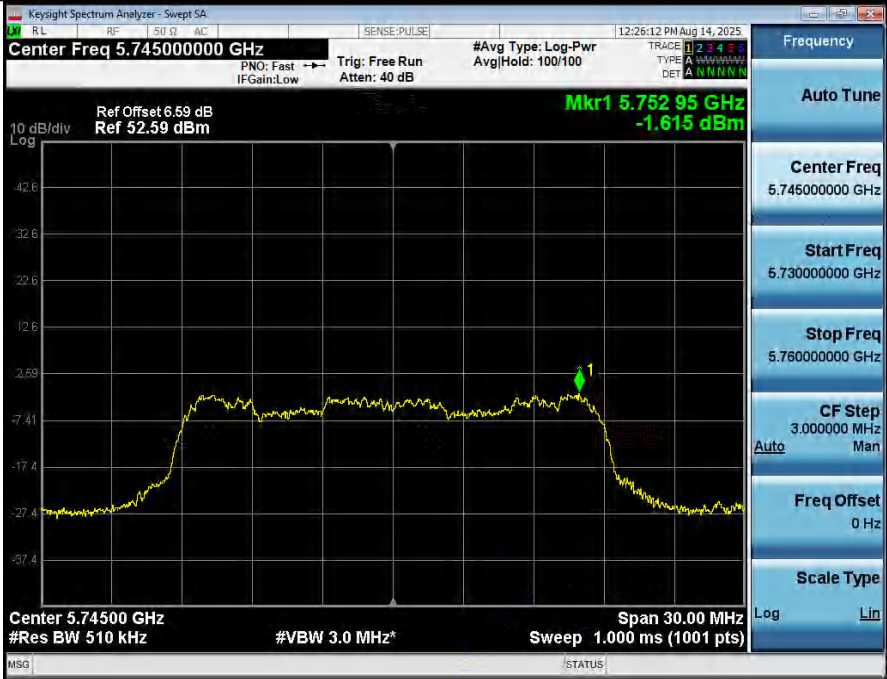
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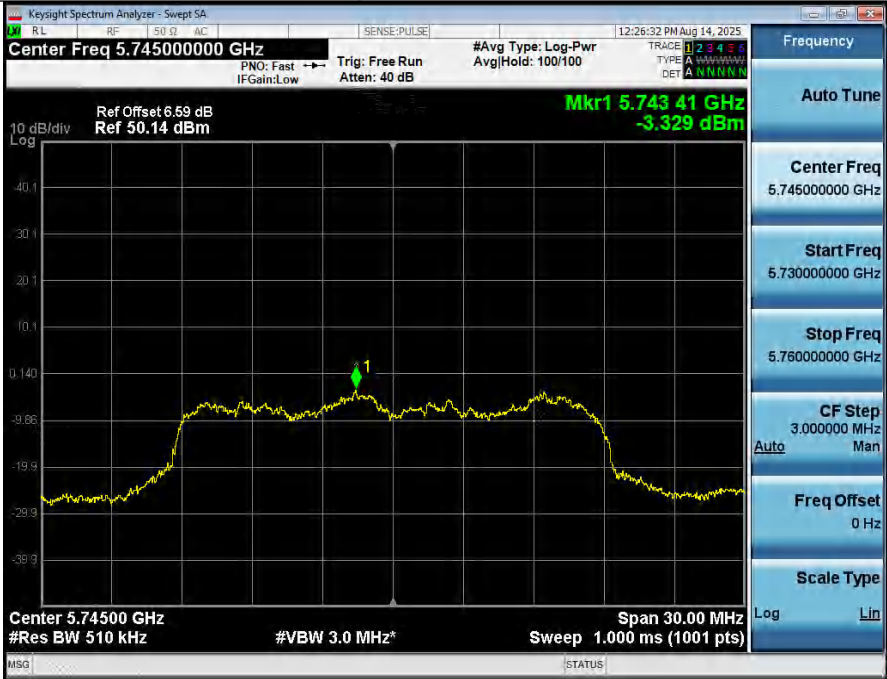
Power Spectral Density NVNT_ANT2_802_11n(HT20)_5825



Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5745



Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5745



Power Spectral Density NVNT_ANT1_802_11ac(VHT20)_5785



Power Spectral Density NVNT_ANT2_802_11ac(VHT20)_5785



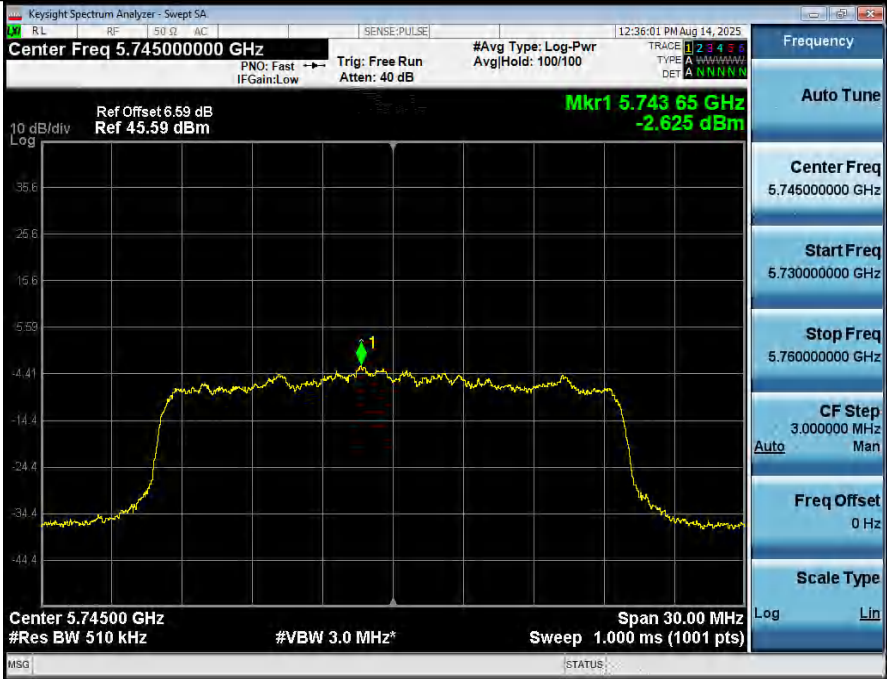
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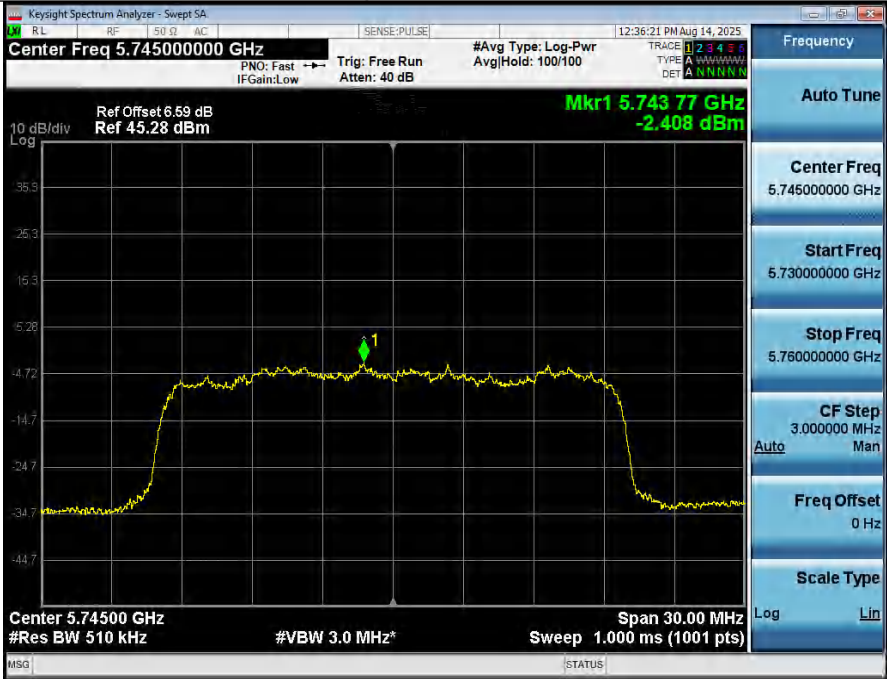
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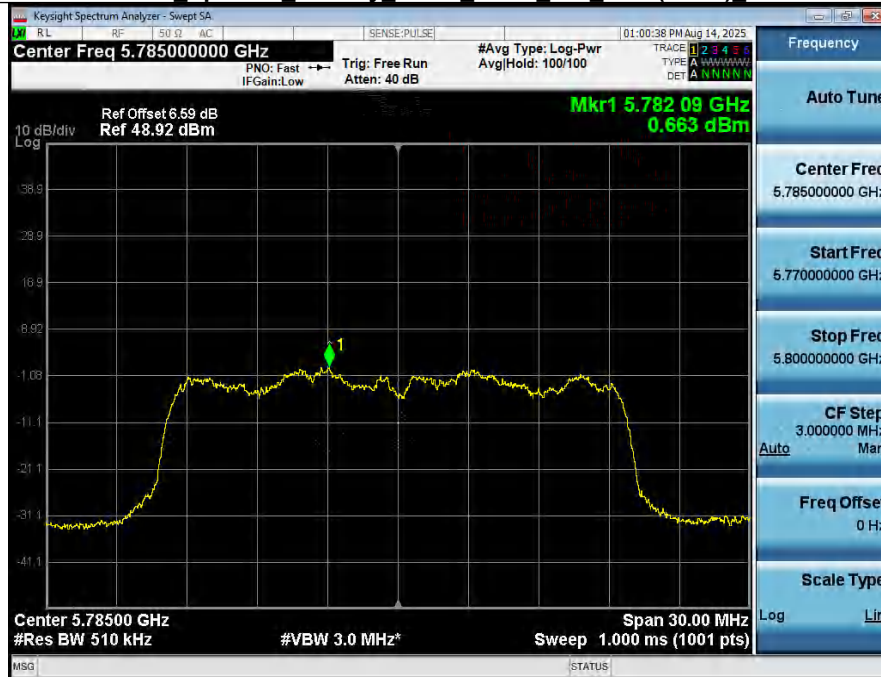
Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5745



Power Spectral Density NVNT_ANT2_802_11ax(HE20)_5745



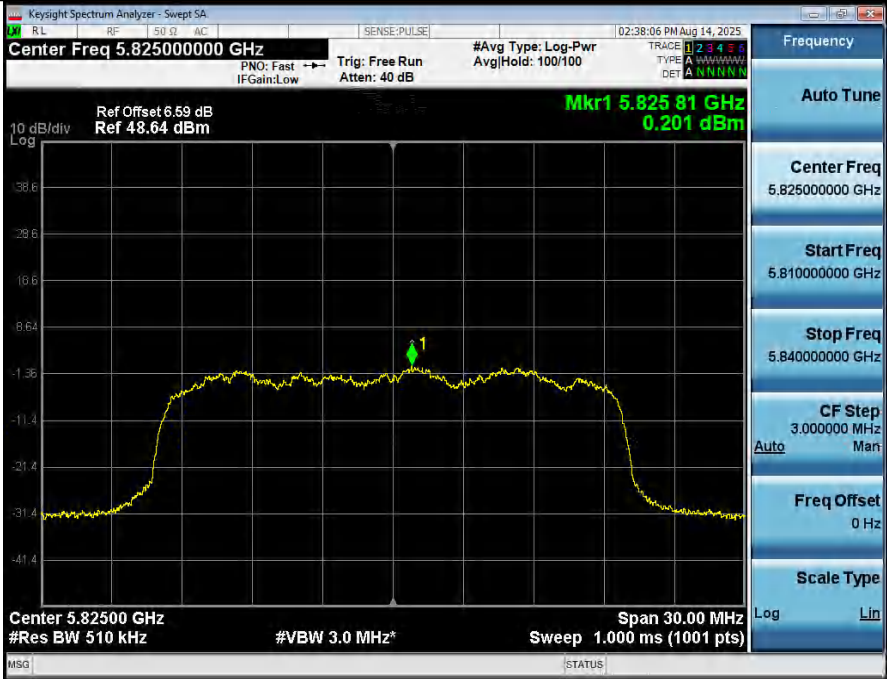
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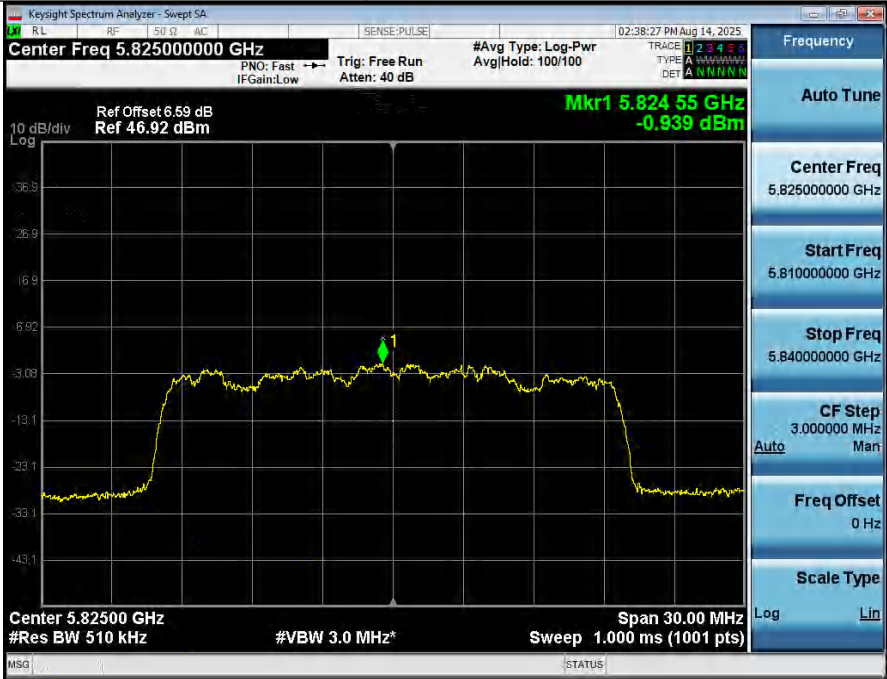
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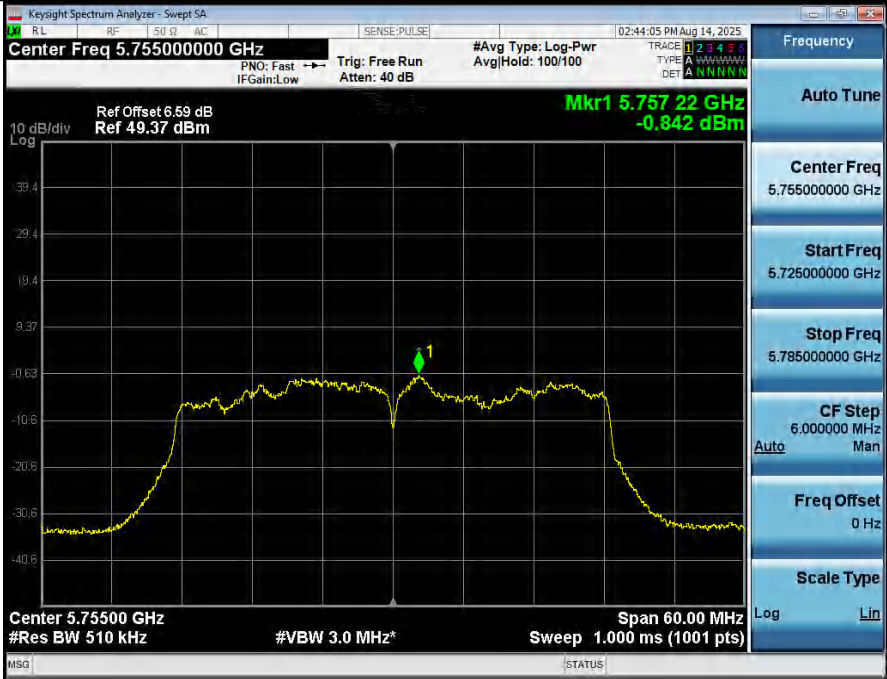
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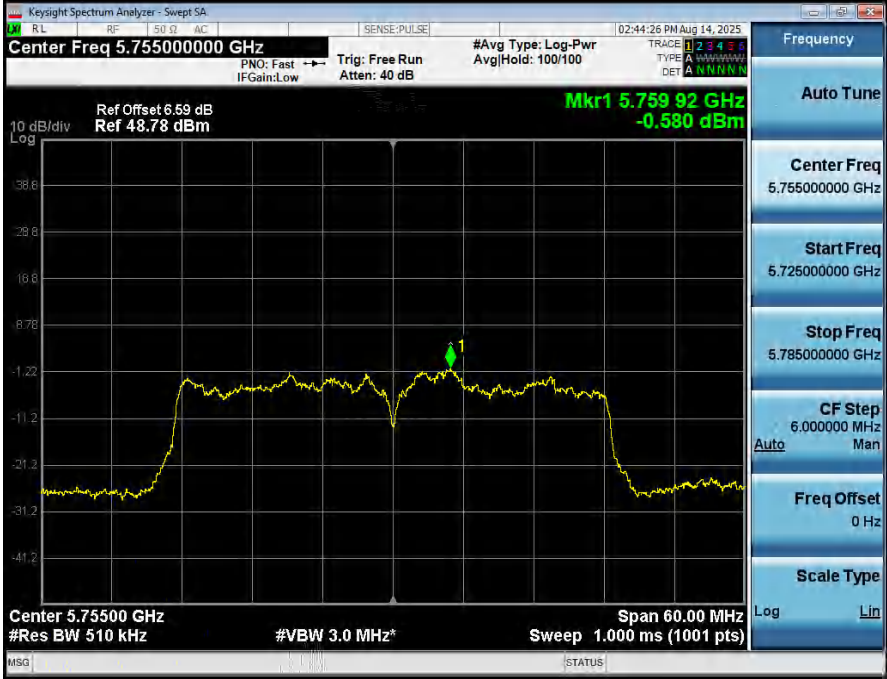
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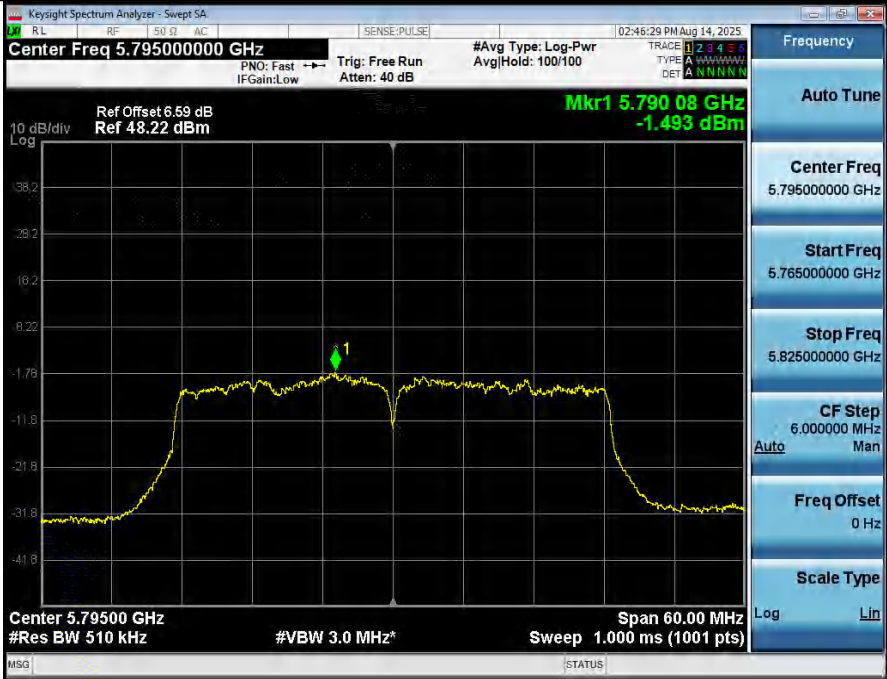
Power Spectral Density_NVNT_ANT1_802_11n(HT40)_5755



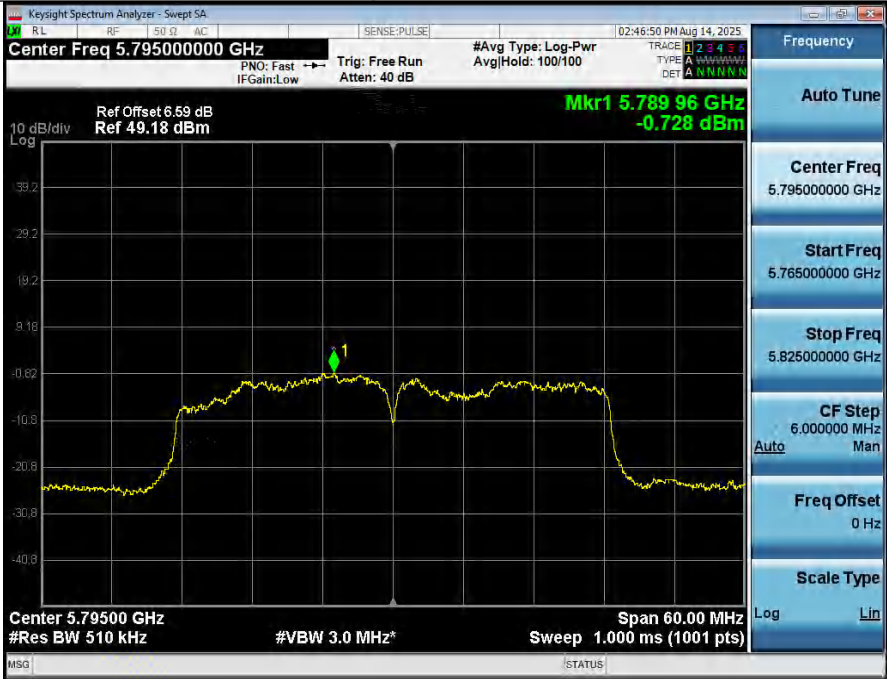
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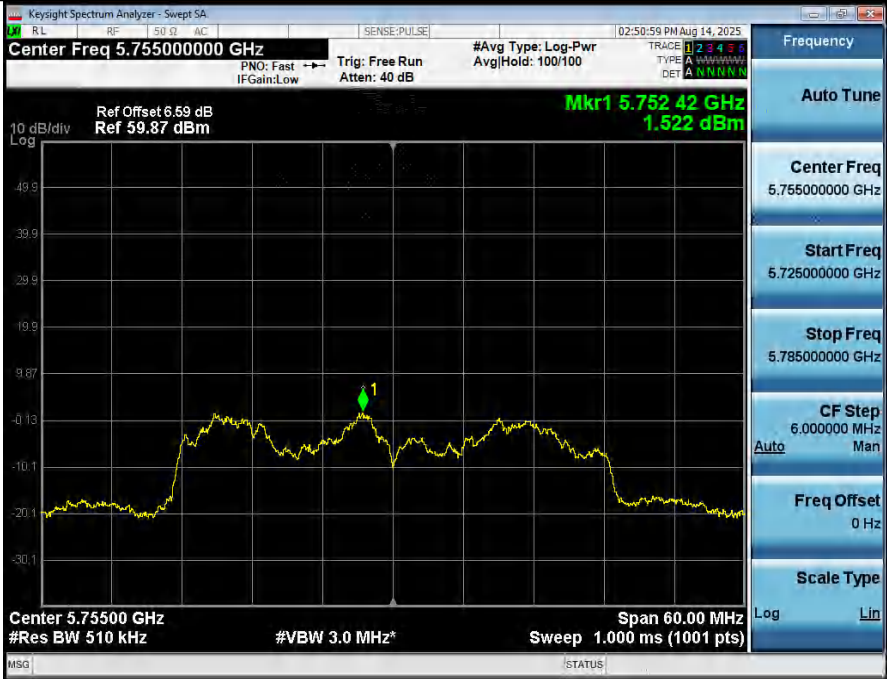
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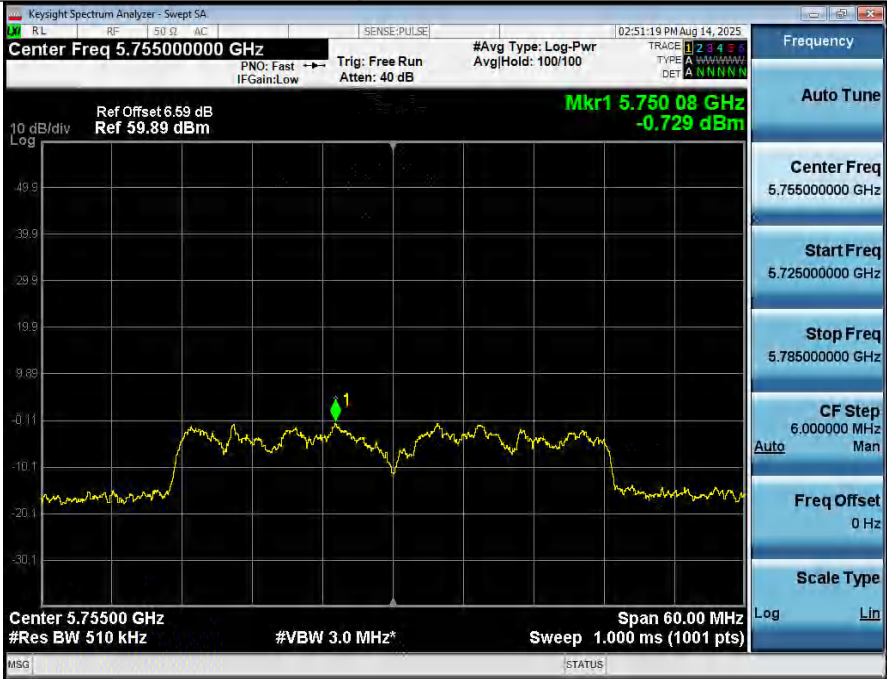
Power Spectral Density NVNT_ANT2_802_11n(HT40)_5795



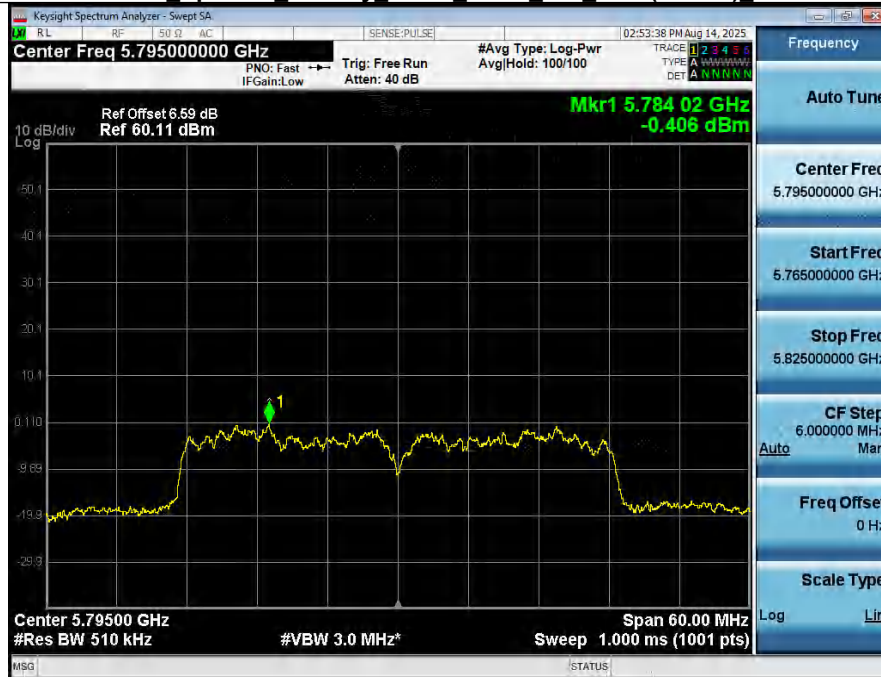
Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5755



Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5755



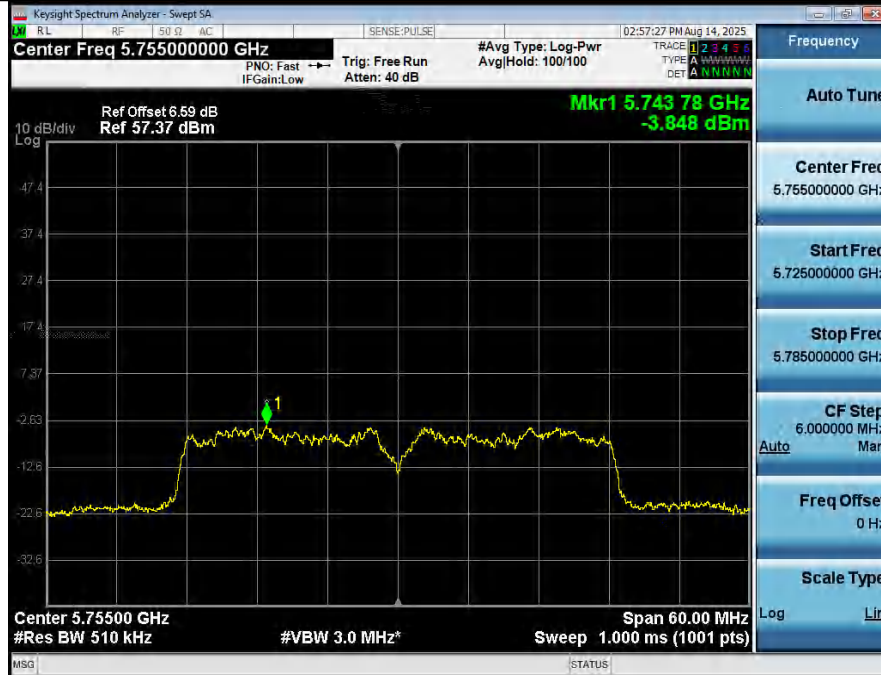
Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5795



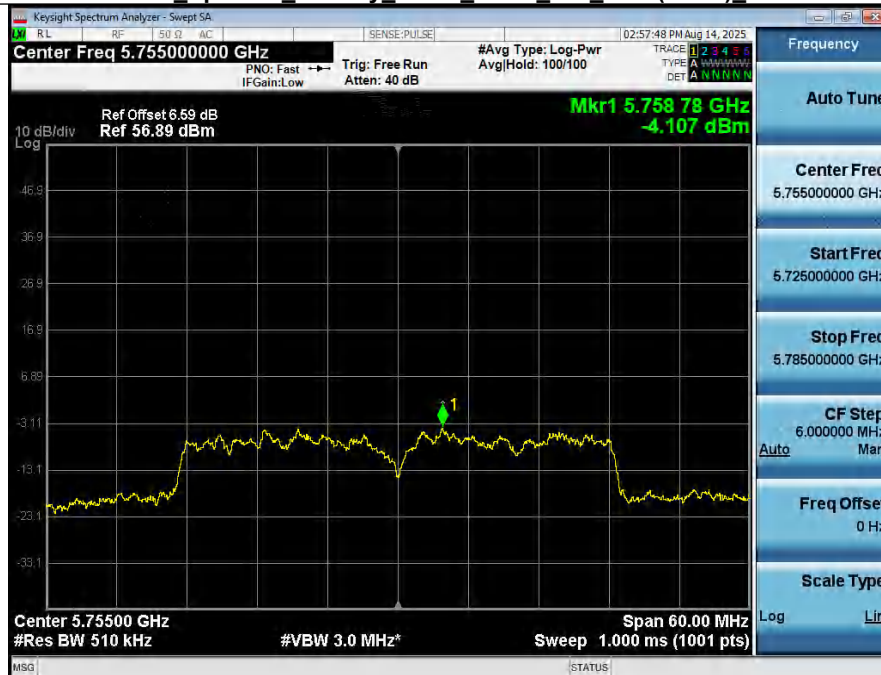
Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5795



Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5755



Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5755



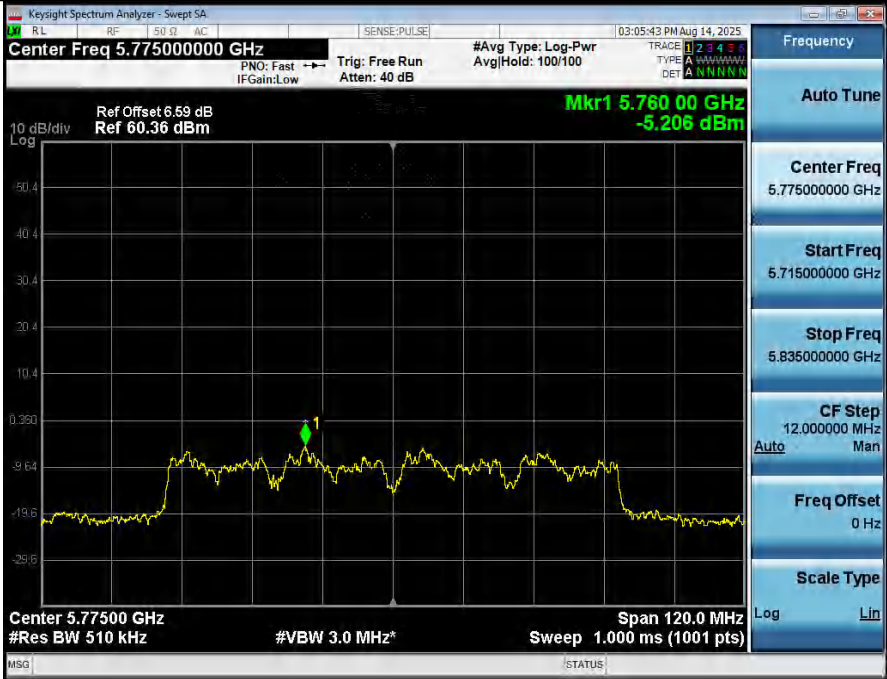
Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5795



Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5795



Power Spectral Density NVNT_ANT1_802_11ac(VHT80)_5775



Power Spectral Density NVNT_ANT2_802_11ac(VHT80)_5775



Power Spectral Density NVNT_ANT1_802_11ax(HE80)_5775



Power Spectral Density NVNT_ANT2_802_11ax(HE80)_5775



Test Result, MIMO mode

Condition	Antenna	Mode	Frequency (MHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	5745.00	1.83	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	5785.00	3.09	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	5825.00	3.12	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5745.00	-0.18	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5785.00	1.66	30	Pass
NVNT	MIMO_TX	802.11ac(VHT20)	5825.00	4.24	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5745.00	0.26	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5785.00	2.62	30	Pass
NVNT	MIMO_TX	802.11ax(HE20)	5825.00	2.47	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	5755.00	1.53	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	5795.00	1.59	30	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5755.00	2.49	30	Pass
NVNT	MIMO_TX	802.11ac(VHT40)	5795.00	1.14	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5755.00	-1.56	30	Pass
NVNT	MIMO_TX	802.11ax(HE40)	5795.00	0.14	30	Pass
NVNT	MIMO_TX	802.11ac(VHT80)	5775.00	-3.89	30	Pass
NVNT	MIMO_TX	802.11ax(HE80)	5775.00	-3.15	30	Pass

Appendix B.5: Test Results of Frequency Stability

Test Result

Mode	Voltage (V)	FHL (5745MHz)	Deviation (kHz)	FHH (5825MHz)	Deviation (kHz)
Band 4 (5725-5850 MHz)	DC 6.48V	5744.997	3	5824.997	3
	DC 7.20V	5744.997	3	5824.994	6
	DC 7.92V	5744.995	5	5824.996	4

Mode	Temperature (°C)	FHL (5745MHz)	Deviation (kHz)	FHH (5825MHz)	Deviation (kHz)
Band 4 (5725-5850 MHz)	-10°C	5744.993	7	5824.996	4
	0°C	5744.997	3	5824.991	9
	+10°C	5744.993	7	5824.994	6
	+20°C	5744.996	4	5824.992	8
	+30°C	5744.993	7	5824.993	7
	+40°C	5744.994	6	5824.993	7
	+50°C	5744.995	5	5824.996	4

Appendix B.6: 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: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:20:00



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	45.3755	9.34	14.34	23.68	40.00	-16.32	QP	150	11	P	
2	54.6429	9.48	13.67	23.15	40.00	-16.85	QP	150	191	P	
3	142.8243	9.66	13.97	23.63	43.50	-19.87	QP	150	154	P	
4	225.3080	16.75	12.23	28.98	46.00	-17.02	QP	150	145	P	
5 *	321.0608	20.96	15.50	36.46	46.00	-9.54	QP	150	25	P	
6	582.7425	11.57	22.41	33.98	46.00	-12.02	QP	150	226	P	

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

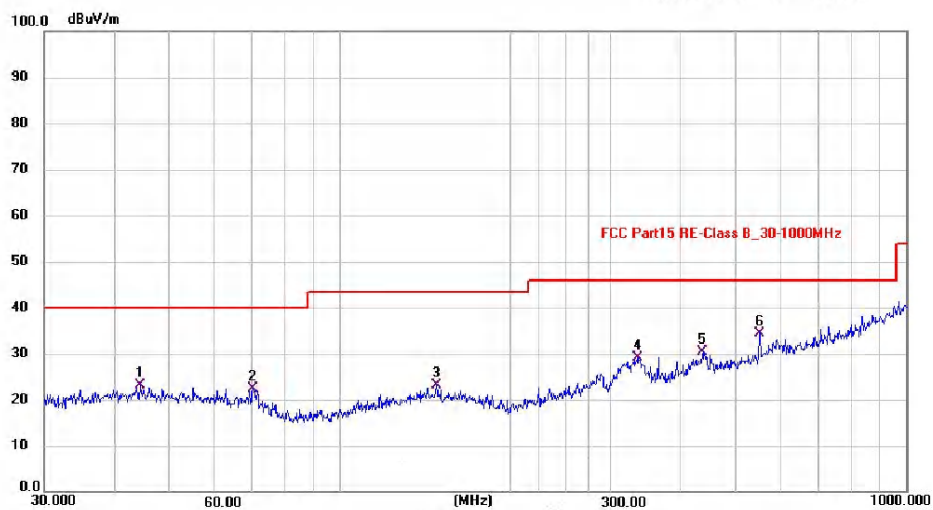


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:25:26



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	44.2752	8.74	14.39	23.13	40.00	-16.87	QP	150	277	P	
2	70.0903	10.29	12.07	22.36	40.00	-17.64	QP	150	209	P	
3	147.9214	8.95	14.08	23.03	43.50	-20.47	QP	150	138	P	
4	334.8589	13.31	15.89	29.20	46.00	-16.80	QP	150	83	P	
5	437.1199	11.70	18.63	30.33	46.00	-15.67	QP	150	28	P	
6 *	550.9480	12.90	21.55	34.45	46.00	-11.55	QP	150	289	P	

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

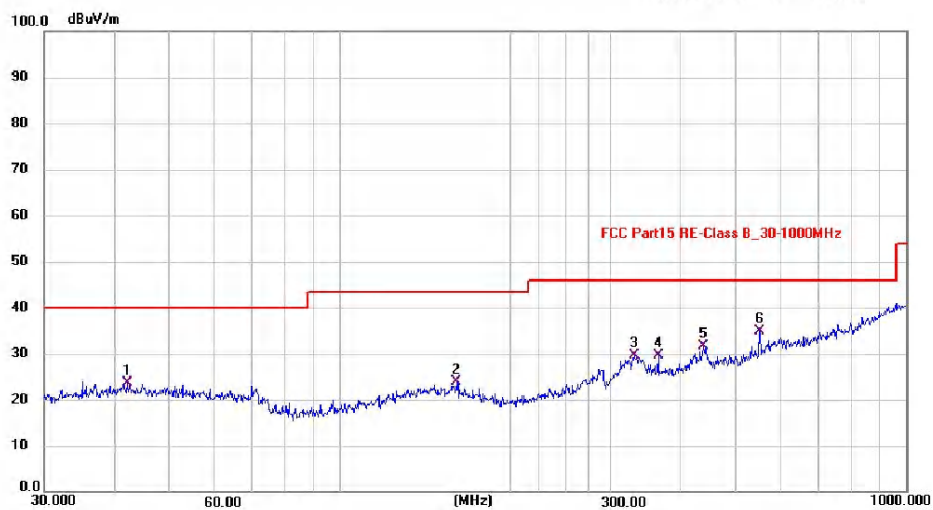


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5785MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:30:03



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	42.0066	9.04	14.49	23.53	40.00	-16.47	QP	150	228	P	
2	160.9089	9.65	14.26	23.91	43.50	-19.59	QP	150	322	P	
3	330.1949	13.76	15.75	29.51	46.00	-16.49	QP	150	125	P	
4	364.2595	12.80	16.72	29.52	46.00	-16.48	QP	150	149	P	
5	438.6554	12.93	18.66	31.59	46.00	-14.41	QP	150	71	P	
6 *	550.9480	13.31	21.55	34.86	46.00	-11.14	QP	150	324	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 5785MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:35:42



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	45.3755	9.47	14.34	23.81	40.00	-16.19	QP	150	173	P	
2	135.5062	9.54	13.60	23.14	43.50	-20.36	QP	150	88	P	
3	160.3456	9.08	14.32	23.40	43.50	-20.10	QP	150	267	P	
4	226.8936	16.28	12.33	28.61	46.00	-17.39	QP	150	94	P	
5 *	316.5890	20.05	15.37	35.42	46.00	-10.58	QP	150	38	P	
6	593.0497	11.07	22.70	33.77	46.00	-12.23	QP	150	280	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.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

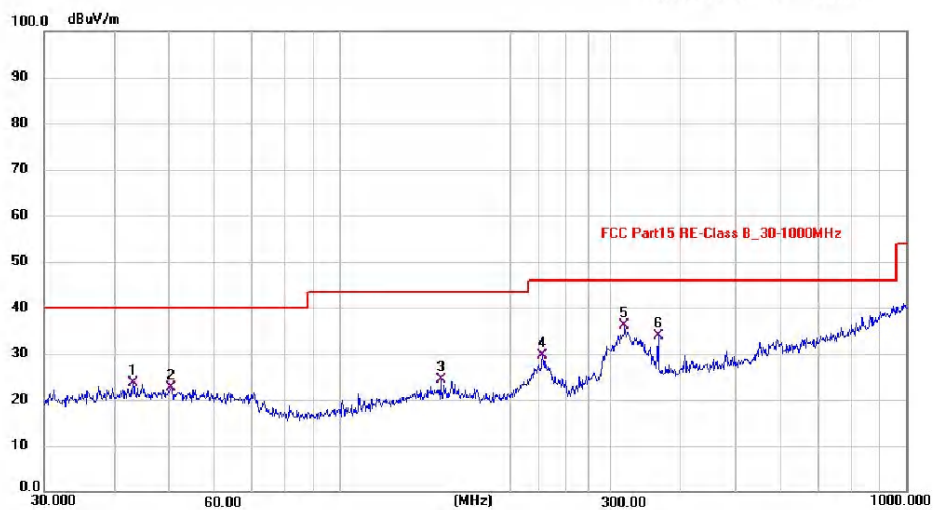
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax20 5825MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 15:40:10



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	43.0505	9.18	14.44	23.62	40.00	-16.38	QP	150	340	P	
2	50.2324	8.55	14.11	22.66	40.00	-17.34	QP	150	215	P	
3	150.5378	10.25	14.14	24.39	43.50	-19.11	QP	150	314	P	
4	227.6906	17.21	12.38	29.59	46.00	-16.41	QP	150	69	P	
5 *	317.7011	20.76	15.40	36.16	46.00	-9.84	QP	150	281	P	
6	364.2595	17.09	16.72	33.81	46.00	-12.19	QP	150	107	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: ax20 5825MHz
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 15:45:42



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	40.2757	8.49	14.56	23.05	40.00	-16.95	QP	150	27	P	
2	71.0803	10.55	11.80	22.35	40.00	-17.65	QP	150	77	P	
3	157.0074	8.21	14.28	22.49	43.50	-21.01	QP	150	9	P	
4	364.2595	13.05	16.72	29.77	46.00	-16.23	QP	150	224	P	
5	443.2943	11.64	18.78	30.42	46.00	-15.58	QP	150	351	P	
6 *	550.9480	13.03	21.55	34.58	46.00	-11.42	QP	150	121	P	

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

File: FCC 30-1000MHz 5\Data :#6

Page: 1

Engineer Signature:

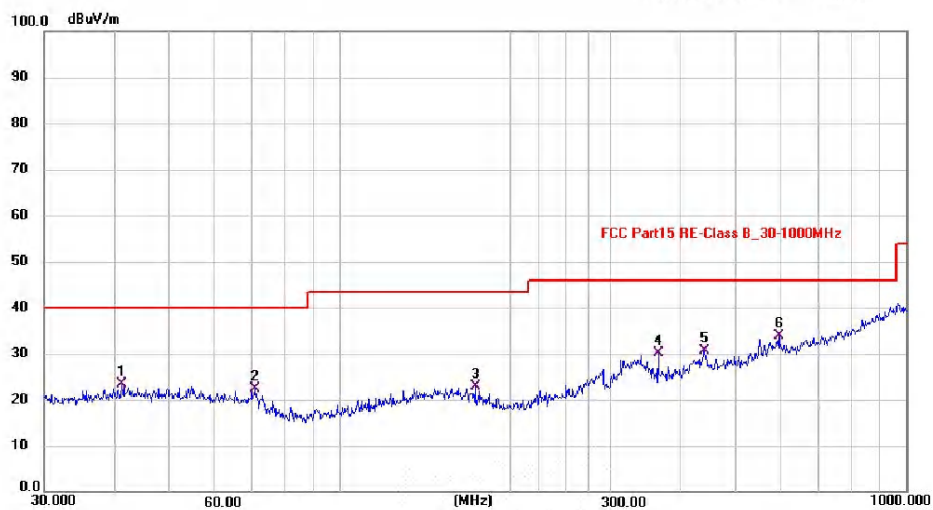


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax40 5755MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 15:50:20



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	41.1320	8.75	14.52	23.27	40.00	-16.73	QP	150	43	P	
2	70.8315	10.47	11.87	22.34	40.00	-17.66	QP	150	62	P	
3	173.2051	9.91	13.06	22.97	43.50	-20.53	QP	150	322	P	
4	364.2595	13.44	16.72	30.16	46.00	-15.84	QP	150	112	P	
5	440.1963	11.89	18.70	30.59	46.00	-15.41	QP	150	171	P	
6 *	595.1329	11.20	22.75	33.95	46.00	-12.05	QP	150	47	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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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: ax40 5755MHz
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 15:55:44



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	39.7146	8.22	14.53	22.75	40.00	-17.25	QP	150	17	P	
2	167.8243	9.33	13.59	22.92	43.50	-20.58	QP	150	98	P	
3	225.3080	16.31	12.23	28.54	46.00	-17.46	QP	150	196	P	
4	296.1836	16.98	14.83	31.81	46.00	-14.19	QP	150	265	P	
5 *	319.9370	19.92	15.47	35.39	46.00	-10.61	QP	150	49	P	
6	364.2595	15.73	16.72	32.45	46.00	-13.55	QP	150	124	P	

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

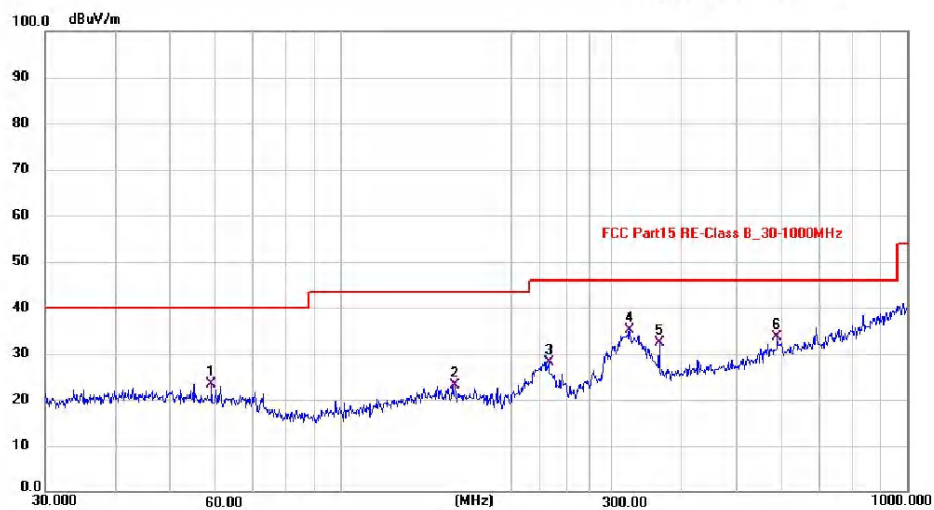


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax40 5795MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 16:00:18



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	59.0251	10.17	13.22	23.39	40.00	-16.61	QP	150	227	P	
2	158.6677	8.70	14.32	23.02	43.50	-20.48	QP	150	210	P	
3	232.5318	15.50	12.68	28.18	46.00	-17.82	QP	150	90	P	
4 *	323.3204	19.68	15.56	35.24	46.00	-10.76	QP	150	61	P	
5	364.2595	15.71	16.72	32.43	46.00	-13.57	QP	150	40	P	
6	588.9051	10.95	22.58	33.53	46.00	-12.47	QP	150	333	P	

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



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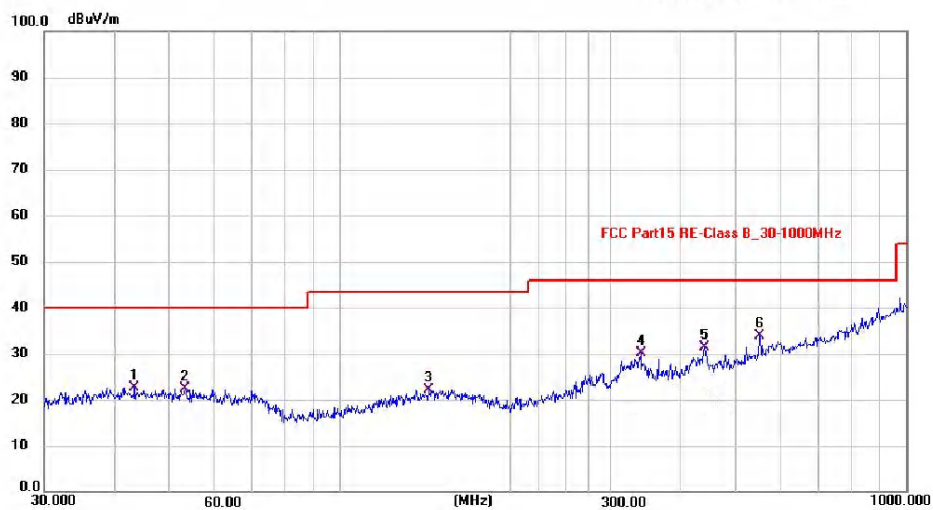
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax40 5795MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/12 16:05:49



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	43.3534	8.30	14.43	22.73	40.00	-17.27	QP	150	242	P	
2	53.1313	8.56	13.83	22.39	40.00	-17.61	QP	150	196	P	
3	143.3261	8.18	13.98	22.16	43.50	-21.34	QP	150	304	P	
4	339.5888	14.00	16.02	30.02	46.00	-15.98	QP	150	213	P	
5	440.1963	12.60	18.70	31.30	46.00	-14.70	QP	150	143	P	
6 *	550.9480	12.23	21.55	33.78	46.00	-12.22	QP	150	356	P	

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

File: FCC 30-1000MHz 5\Data :#10

Page: 1

Engineer Signature:

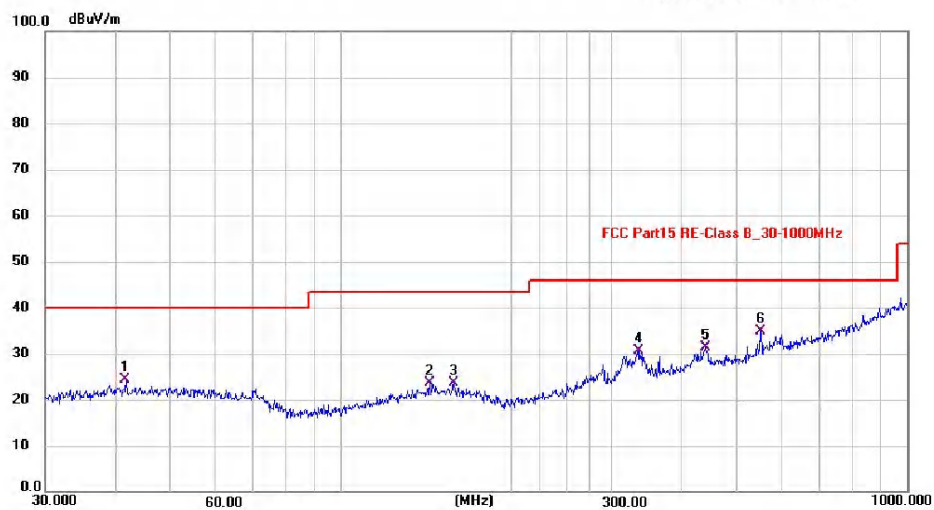


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax80 5775MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/12 16:10:17



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	41.7129	9.78	14.49	24.27	40.00	-15.73	QP	150	7	P	
2	143.3261	9.67	13.98	23.65	43.50	-19.85	QP	150	257	P	
3	158.1123	9.44	14.31	23.75	43.50	-19.75	QP	150	135	P	
4	336.0352	14.81	15.91	30.72	46.00	-15.28	QP	150	286	P	
5	440.1963	12.60	18.70	31.30	46.00	-14.70	QP	150	177	P	
6 *	550.9480	13.35	21.55	34.90	46.00	-11.10	QP	150	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
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: ax80 5775MHz
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 16:15:44



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	8.90	14.45	23.35	40.00	-16.65	QP	150	61	P	
2	53.6932	9.43	13.76	23.19	40.00	-16.81	QP	150	258	P	
3	164.3301	8.93	13.93	22.86	43.50	-20.64	QP	150	134	P	
4	231.7179	16.14	12.63	28.77	46.00	-17.23	QP	150	23	P	
5 *	317.7011	20.30	15.40	35.70	46.00	-10.30	QP	150	208	P	
6	364.2595	16.65	16.72	33.37	46.00	-12.63	QP	150	199	P	

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

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

Page: 1

Engineer Signature:

1GHz - 18GHz



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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 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:00:47



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 *	4043.000	52.03	-13.26	38.77	74.00	-35.23	peak	150	10	P	
2	4839.875	50.20	-12.05	38.15	74.00	-35.85	peak	150	358	P	
3	5851.375	47.98	-9.81	38.17	74.00	-35.83	peak	150	204	P	
4	6635.500	46.48	-9.09	37.39	74.00	-36.61	peak	150	167	P	
5	7030.750	46.06	-8.84	37.22	74.00	-36.78	peak	150	249	P	
6	8127.250	44.73	-8.40	36.33	74.00	-37.67	peak	150	152	P	

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

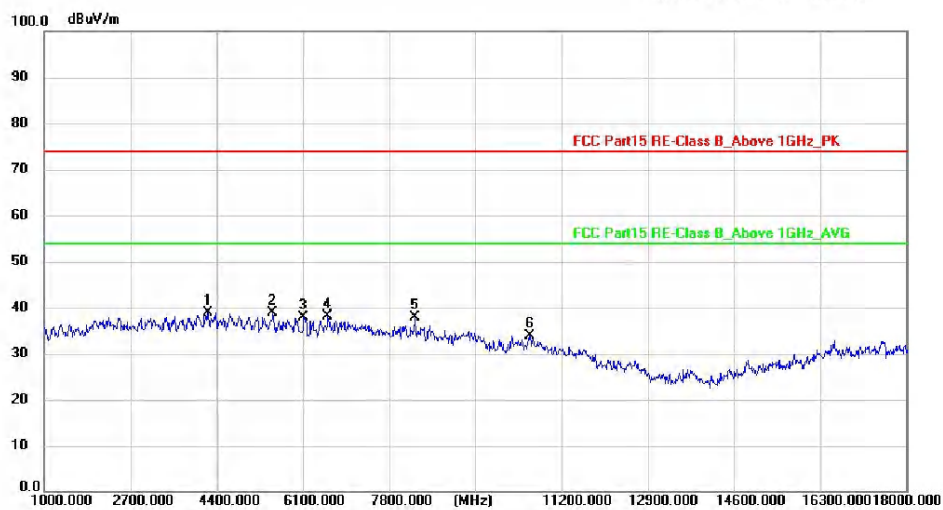


Shenzhen PSI Testing Co., Ltd.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: a 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:05:20



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 *	4230.000	51.95	-12.97	38.98	74.00	-35.02	peak	150	338	P	
2	5515.625	49.52	-10.61	38.91	74.00	-35.09	peak	150	261	P	
3	6117.000	47.38	-9.40	37.98	74.00	-36.02	peak	150	32	P	
4	6603.625	47.17	-9.10	38.07	74.00	-35.93	peak	150	202	P	
5	8314.250	46.06	-8.17	37.89	74.00	-36.11	peak	150	213	P	
6	10583.750	39.23	-5.35	33.88	74.00	-40.12	peak	150	29	P	

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



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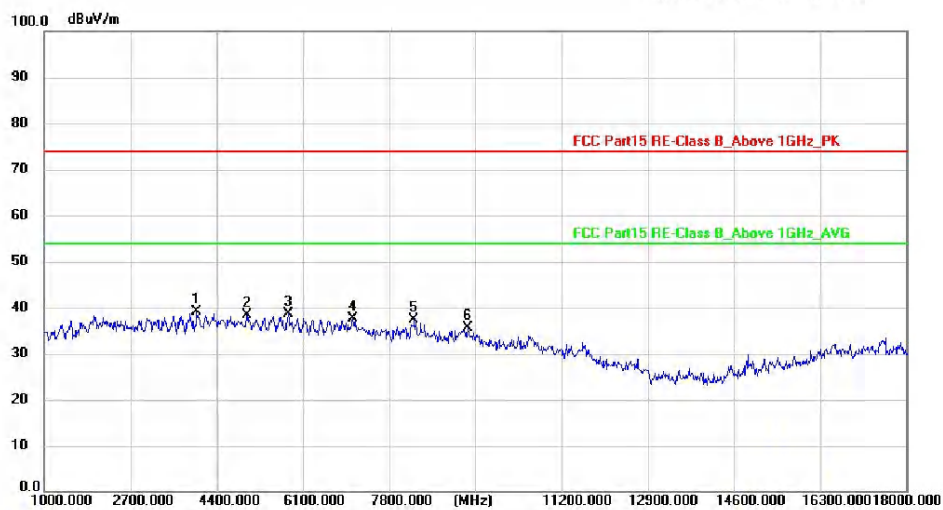
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: n20 5745MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/10 20:10:38



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 *	4021.750	52.51	-13.29	39.22	74.00	-34.78	peak	150	201	P	
2	4997.125	50.14	-11.80	38.34	74.00	-35.66	peak	150	106	P	
3	5817.375	48.62	-9.90	38.72	74.00	-35.28	peak	150	90	P	
4	7096.625	46.52	-8.82	37.70	74.00	-36.30	peak	150	154	P	
5	8297.250	45.60	-8.19	37.41	74.00	-36.59	peak	150	65	P	
6	9361.875	42.57	-6.97	35.60	74.00	-38.40	peak	150	204	P	

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



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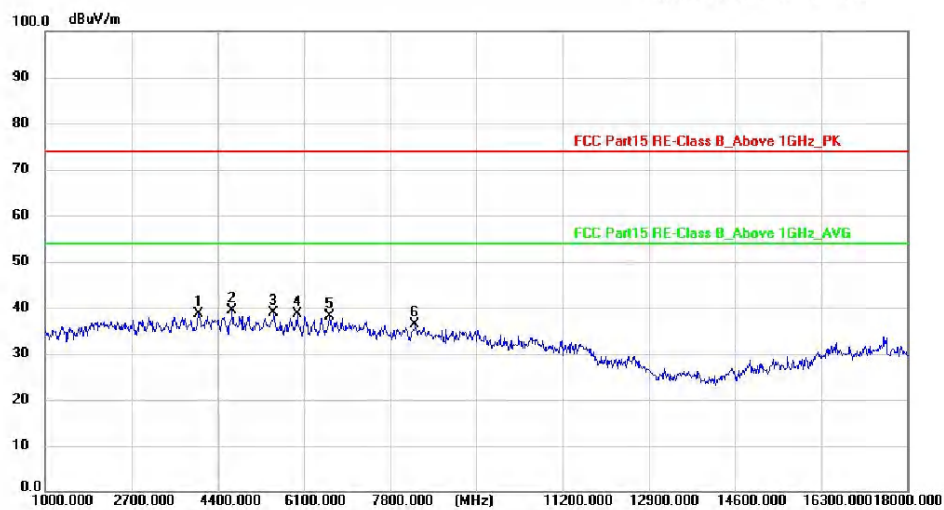
Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: FreeScan Omni
Test Mode: n20 5745MHz
Test Voltage: DC 7.2V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/7/10 20:15:56



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	4030.250	51.99	-13.27	38.72	74.00	-35.28	peak	150	40	P	
2 *	4703.875	51.56	-12.26	39.30	74.00	-34.70	peak	150	306	P	
3	5517.750	49.37	-10.60	38.77	74.00	-35.23	peak	150	41	P	
4	5966.125	48.08	-9.55	38.53	74.00	-35.47	peak	150	2	P	
5	6616.375	47.14	-9.09	38.05	74.00	-35.95	peak	150	297	P	
6	8299.375	44.49	-8.19	36.30	74.00	-37.70	peak	150	113	P	

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

File: FCC 1-18G 5\Data :#4

Page: 1

Engineer Signature:

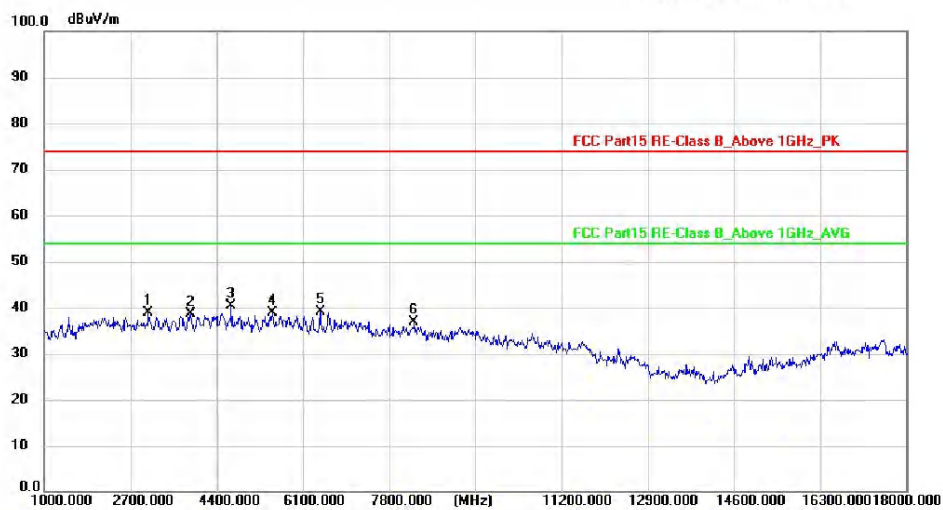


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ac20 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:20:18



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	53.64	-14.85	38.79	74.00	-35.21	peak	150	210	P	
2	3892.125	52.07	-13.50	38.57	74.00	-35.43	peak	150	176	P	
3 *	4689.000	52.66	-12.28	40.38	74.00	-33.62	peak	150	123	P	
4	5490.125	49.65	-10.66	38.99	74.00	-35.01	peak	150	164	P	
5	6454.875	48.34	-9.19	39.15	74.00	-34.85	peak	150	36	P	
6	8293.000	44.96	-8.20	36.76	74.00	-37.24	peak	150	85	P	

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

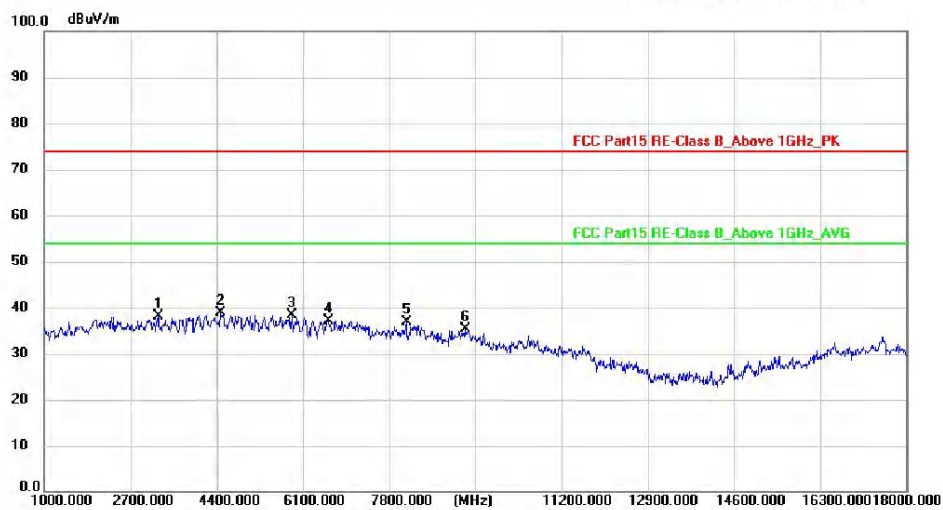


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ac20 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:25:39



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	3248.250	52.71	-14.55	38.16	74.00	-35.84	peak	150	96	P	
2 *	4472.250	51.48	-12.61	38.87	74.00	-35.13	peak	150	68	P	
3	5891.750	48.02	-9.73	38.29	74.00	-35.71	peak	150	155	P	
4	6620.625	46.26	-9.09	37.17	74.00	-36.83	peak	150	20	P	
5	8140.000	45.19	-8.37	36.82	74.00	-37.18	peak	150	132	P	
6	9296.000	42.42	-7.04	35.38	74.00	-38.62	peak	150	222	P	

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

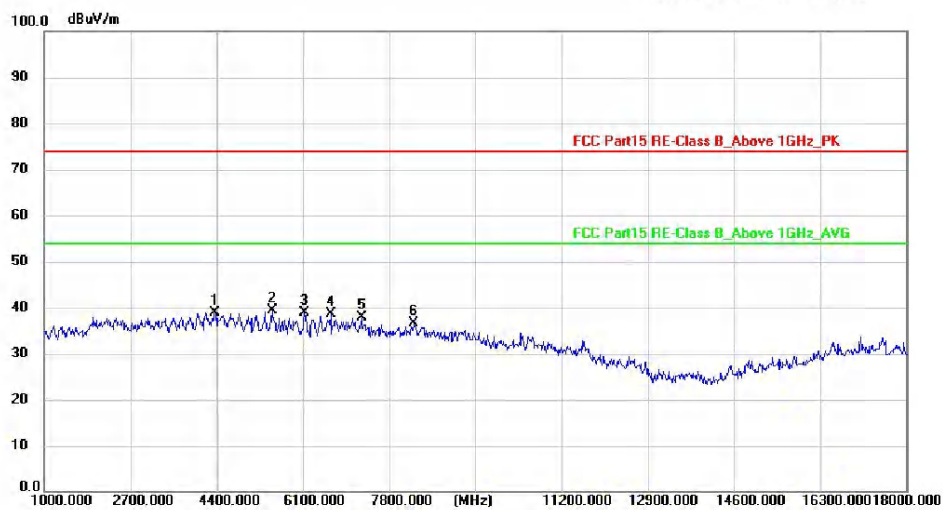


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

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 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:30:59



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	4378.750	51.73	-12.75	38.98	74.00	-35.02	peak	150	182	P	
2 *	5492.250	50.08	-10.66	39.42	74.00	-34.58	peak	150	219	P	
3	6134.000	48.24	-9.40	38.84	74.00	-35.16	peak	150	301	P	
4	6646.125	47.79	-9.08	38.71	74.00	-35.29	peak	150	246	P	
5	7270.875	46.54	-8.77	37.77	74.00	-36.23	peak	150	307	P	
6	8305.750	44.93	-8.18	36.75	74.00	-37.25	peak	150	2	P	

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

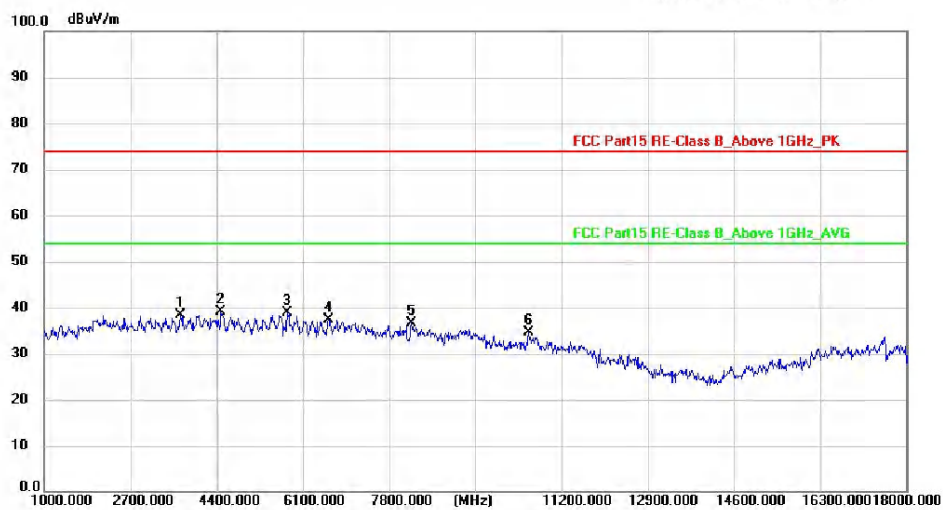


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: FreeScan Omni Test Engineer: Felix
Test Mode: ax20 5745MHz
Test Voltage: DC 7.2V
Note:

Radiated Emission Measurement

Test Date: 2025/7/10 20:35:18



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	3694.500	52.24	-13.81	38.43	74.00	-35.57	peak	150	222	P	
2 *	4493.500	51.64	-12.56	39.08	74.00	-34.92	peak	150	79	P	
3	5804.625	48.78	-9.93	38.85	74.00	-35.15	peak	150	357	P	
4	6622.750	46.55	-9.09	37.46	74.00	-36.54	peak	150	249	P	
5	8252.625	44.95	-8.24	36.71	74.00	-37.29	peak	150	346	P	
6	10566.750	40.10	-5.37	34.73	74.00	-39.27	peak	150	282	P	

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