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1. Transmitter Spurious Emissions

Note:

1. Testing is carried out with frequency rang 9kHz to the tenth harmonics. And it verified that the emssions above 18GHz are just floor-nises, no need to report it.
2. The highest emissions are the fundamental waves.
3. All modes for required channel tested, only the worst-case reported.

1.1 Transmitter Spurious Emissions, Below 1GHz

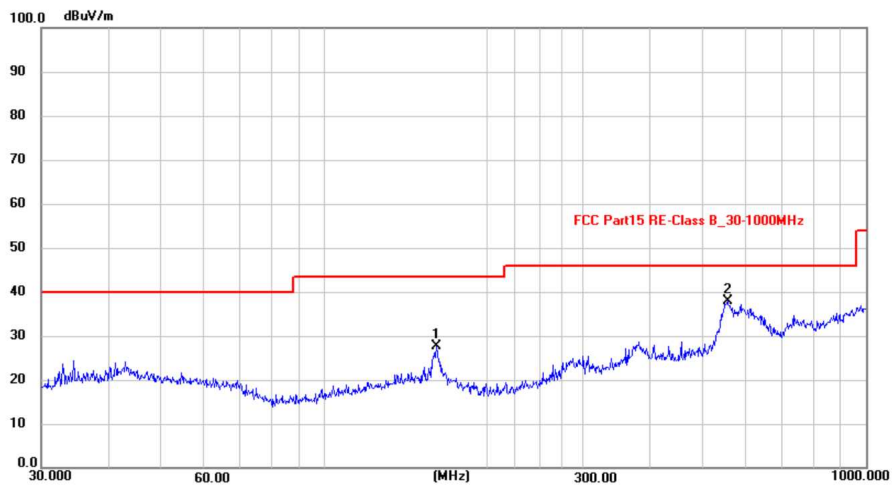


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: EinScan Libre	Test Engineer: Felix Pang	
Test Mode: a 5180MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/15 13:45:17



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	160.9090	14.37	13.17	27.54	43.50	-15.96	peak	100	82	P	
2 *	554.8254	18.30	19.60	37.90	46.00	-8.10	peak	100	49	P	

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

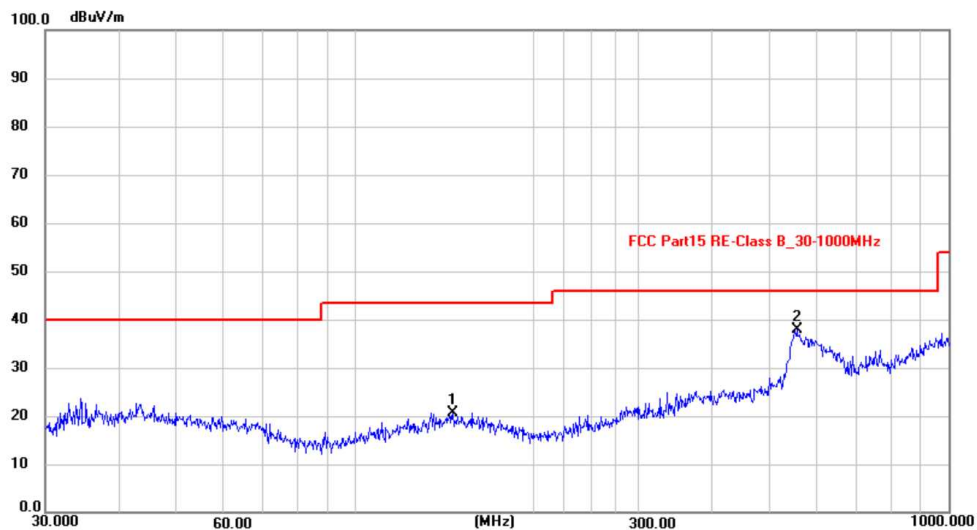


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: a 5180MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/15 13:50:43



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	145.8611	7.67	12.95	20.62	43.50	-22.88	peak	200	249	P	
2 *	554.8254	18.36	19.60	37.96	46.00	-8.04	peak	200	186	P	

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



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Test Site: PSI EMC Lab-3m Chamber

Polarization: **Vertical**

Temperature: 26 °C

EUT: 3D Scanner

Distance: 3m

Humidity: 54 %RH

M/N: EinScan Libre

Test Engineer: Felix Pang

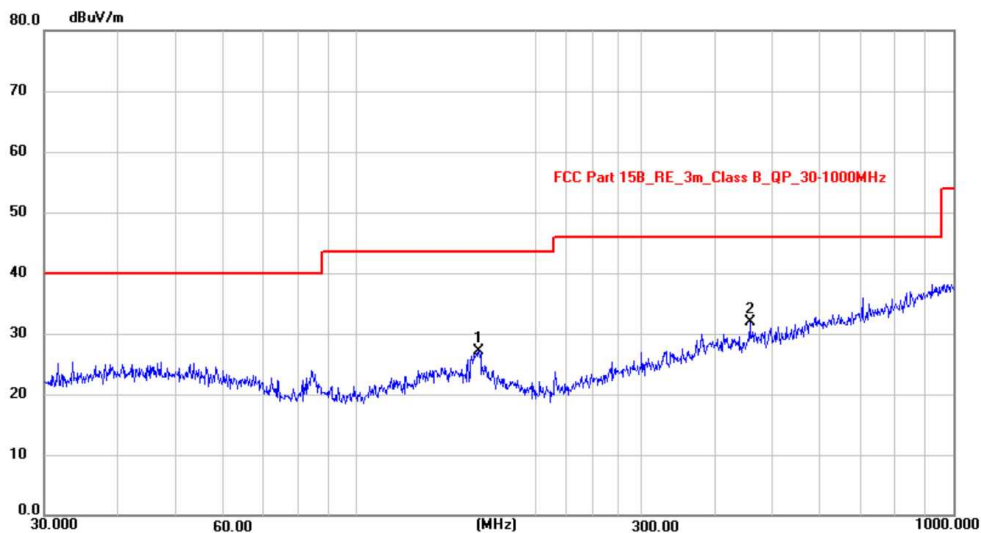
Test Mode: 11a 5745MHz

Test Voltage: DC 14.4V

Note:

Radiated Emission Measurement

Test Date: 2024/9/21 18:02:05



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	160.3456	13.81	13.23	27.04	43.50	-16.46	peak	100	102	P	
2 *	456.1057	14.46	17.37	31.83	46.00	-14.17	peak	100	124	P	

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

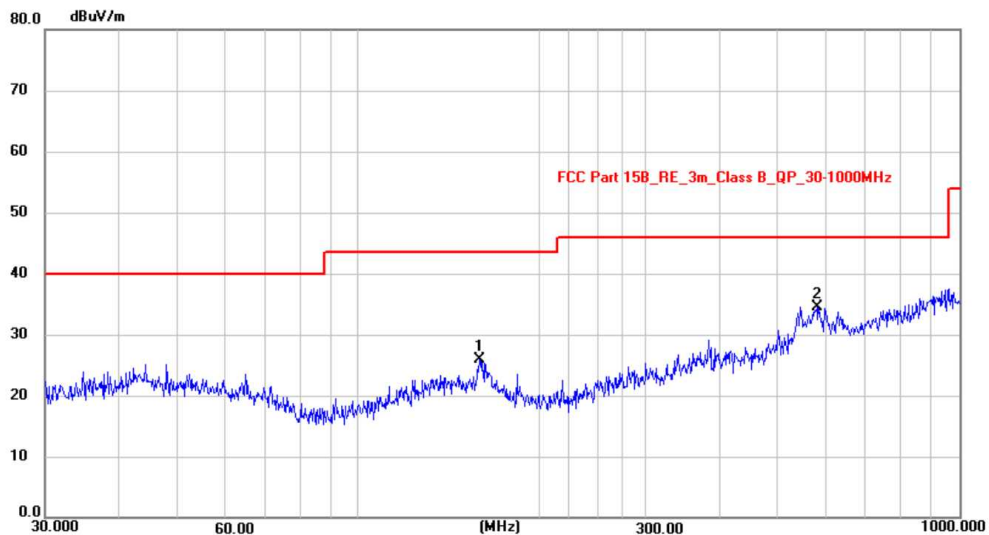


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: EinScan Libre	Test Engineer: Felix Pang	
Test Mode: 11a 5745MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/21 18:07:25



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	158.8765	12.76	13.23	25.99	43.50	-17.51	peak	200	240	P	
2 *	578.6700	14.35	20.18	34.53	46.00	-11.47	peak	200	103	P	

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

1.2 Transmitter Spurious Emissions, above 1GHz

Note: there is a appropriate filter installed at the input of the measurement system power amplifier to attenuate the fundamental emission of the EUT.

U-NII-1 Band:

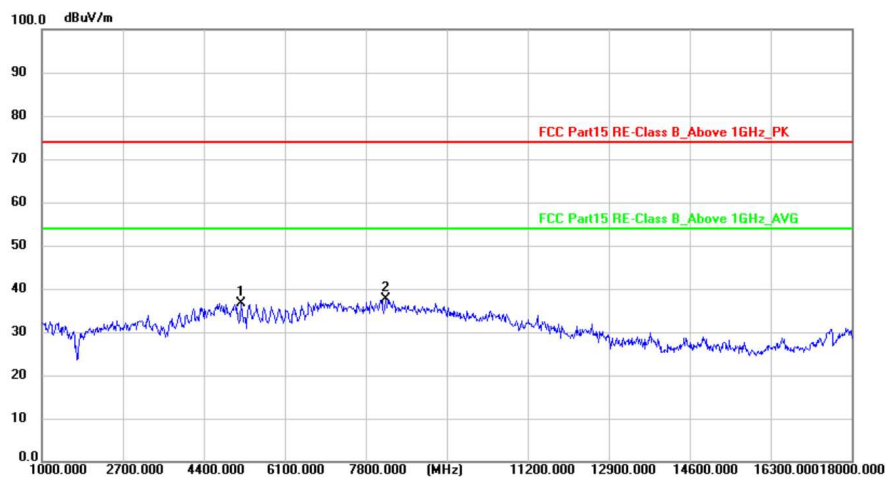


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: EinScan Libre	Test Engineer: Felix Pang	
Test Mode: n20 5200MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/16 16:24:03



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	5196.875	48.75	-12.23	36.52	74.00	-37.48	peak	150	158	P	
2 *	8210.125	44.68	-6.97	37.71	74.00	-36.29	peak	150	247	P	

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

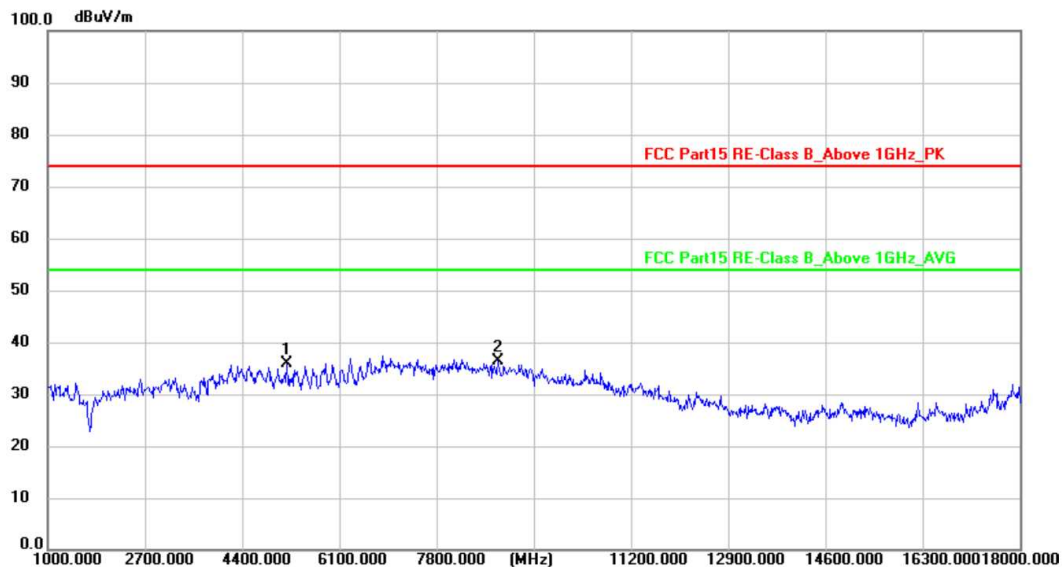


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: n20 5200MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 16:34:03



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	5192.625	49.04	-13.05	35.99	74.00	-38.01	peak	150	147	P	
2 *	8879.500	42.60	-6.32	36.28	74.00	-37.72	peak	150	201	P	

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

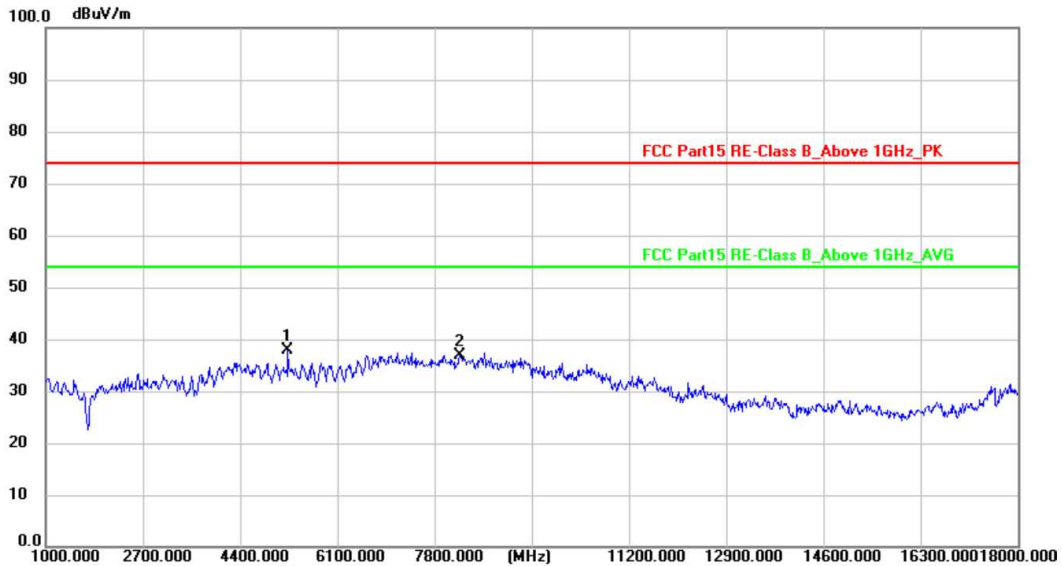


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: EinScan Libre	Test Engineer: Felix Pang	
Test Mode: n20 5240MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/16 16:39:03



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 *	5235.125	50.80	-12.93	37.87	74.00	-36.13	peak	150	214	P	
2	8256.875	43.90	-6.91	36.99	74.00	-37.01	peak	150	35	P	

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

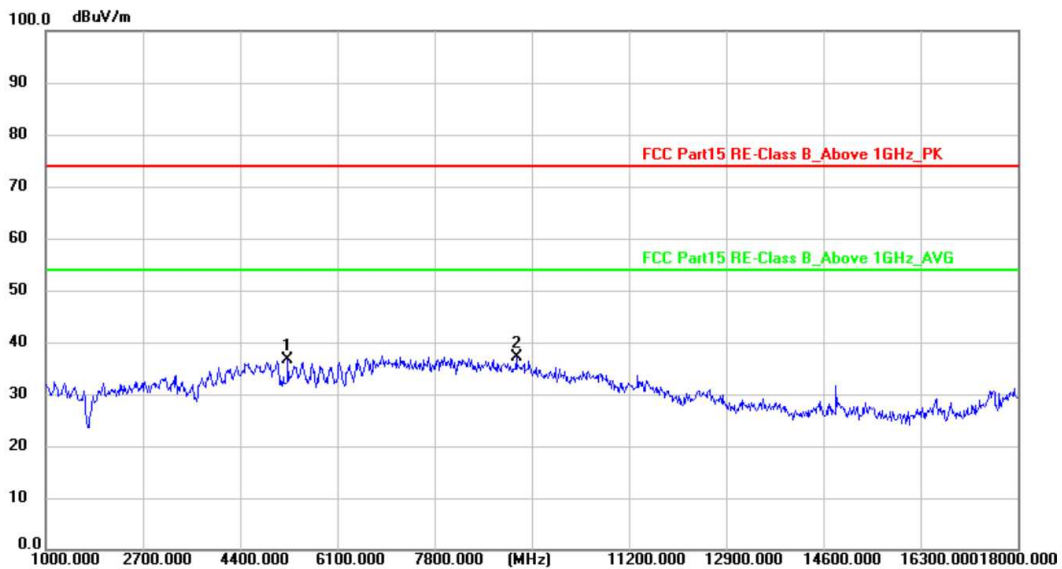


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: n20 5240MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 16:43:03



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	5243.625	48.73	-12.14	36.59	74.00	-37.41	peak	150	213	P	
2 *	9236.500	43.25	-6.06	37.19	74.00	-36.81	peak	150	146	P	

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

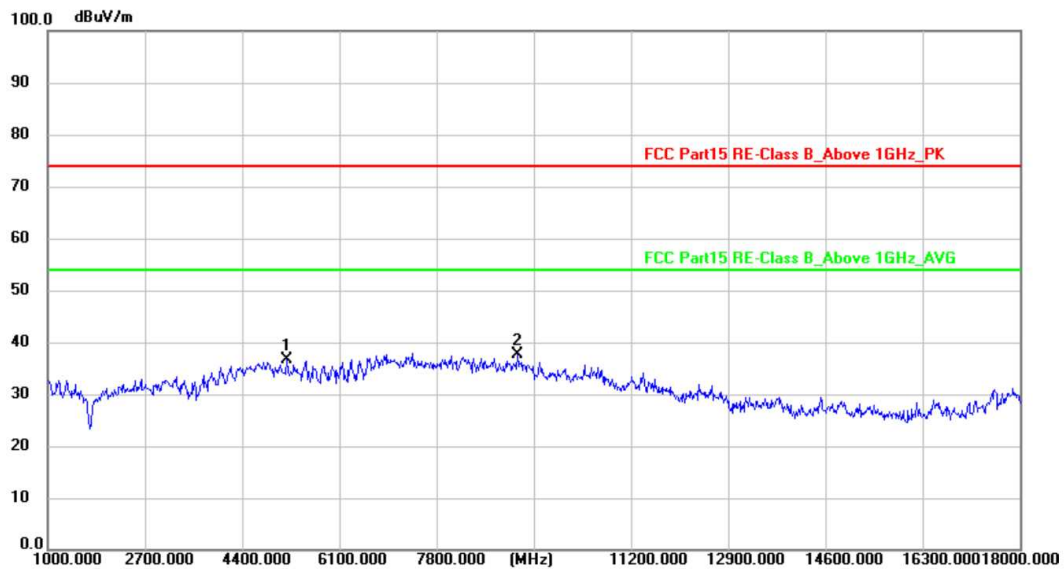


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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5180MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 16:49:03



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	5184.125	48.80	-12.25	36.55	74.00	-37.45	peak	150	240	P	
2 *	9215.250	43.73	-6.09	37.64	74.00	-36.36	peak	150	322	P	

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

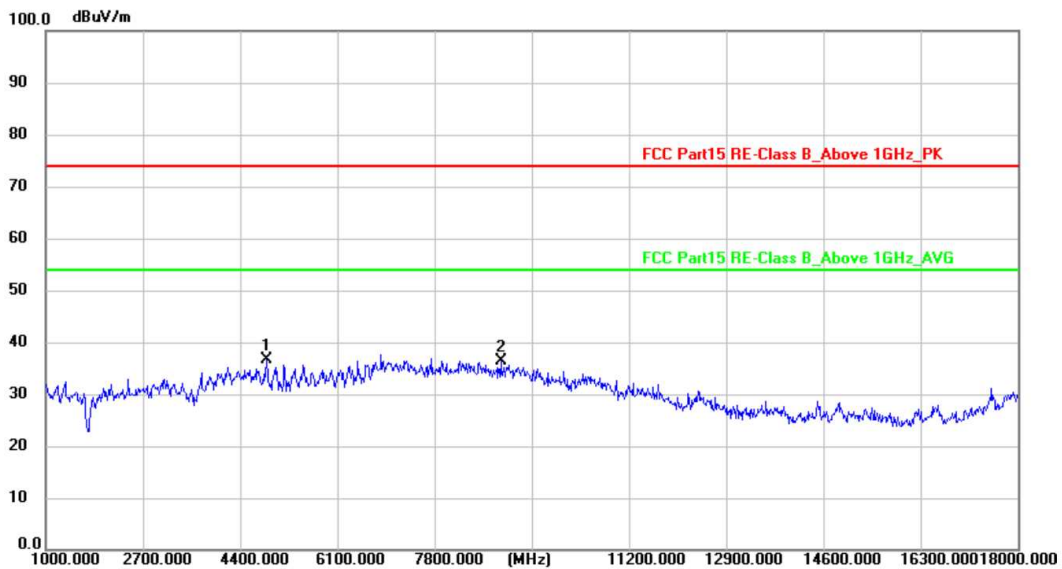


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5180MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 16:54:03



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 *	4873.875	50.48	-13.88	36.60	74.00	-37.40	peak	150	145	P	
2	8964.500	42.55	-6.24	36.31	74.00	-37.69	peak	150	211	P	

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

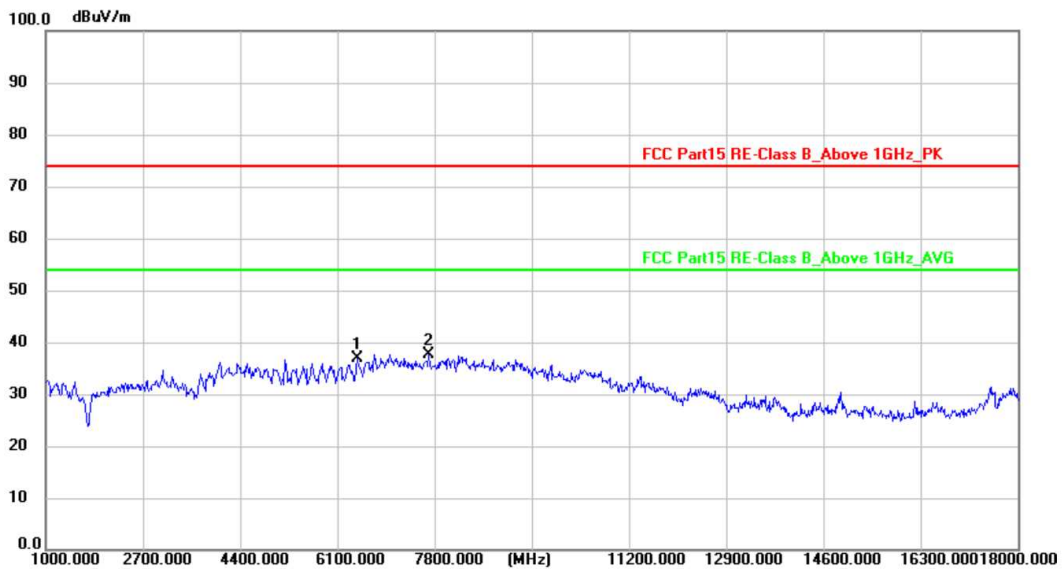


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5200MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 16:59:03



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	6452.750	46.45	-9.59	36.86	74.00	-37.14	peak	150	245	P	
2 *	7700.125	45.03	-7.43	37.60	74.00	-36.40	peak	150	112	P	

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

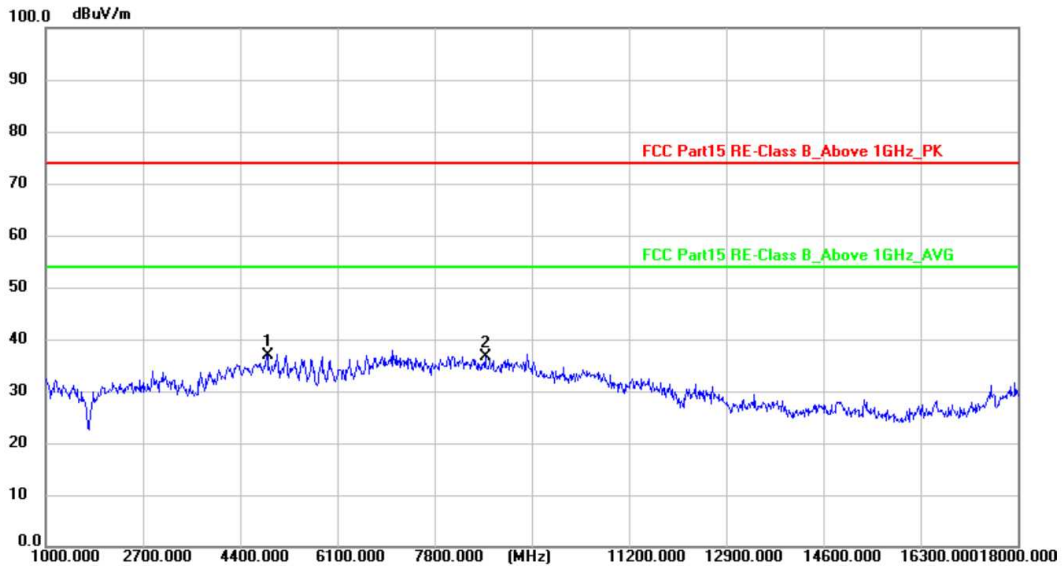


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5200MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 17:07:03



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 *	4876.000	49.90	-13.00	36.90	74.00	-37.10	peak	150	214	P	
2	8692.500	43.21	-6.50	36.71	74.00	-37.29	peak	150	144	P	

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

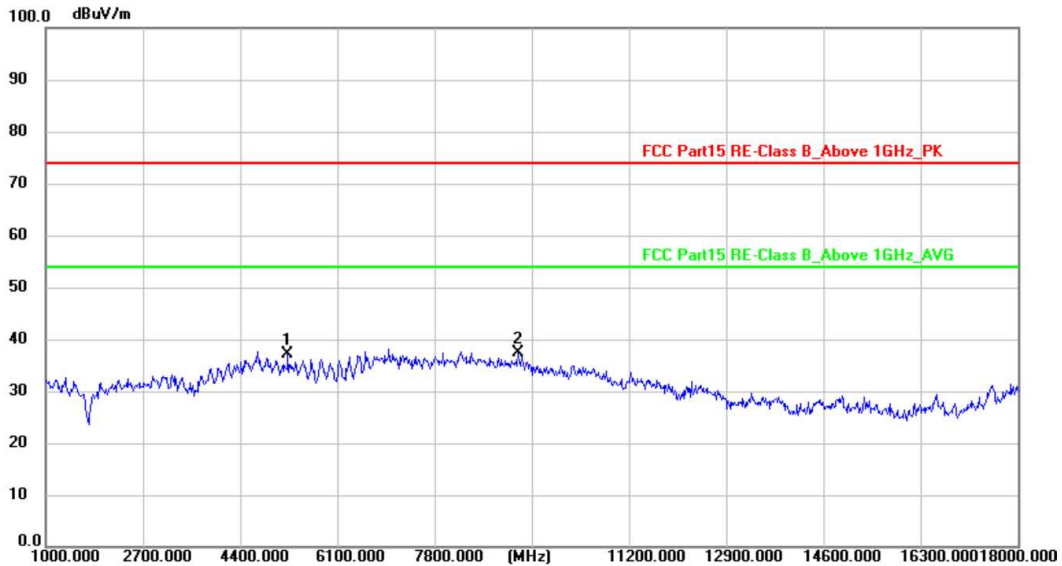


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5240MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 17:14:03



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	5245.750	49.32	-12.14	37.18	74.00	-36.82	peak	150	147	P	
2 *	9270.500	43.43	-6.05	37.38	74.00	-36.62	peak	150	114	P	

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

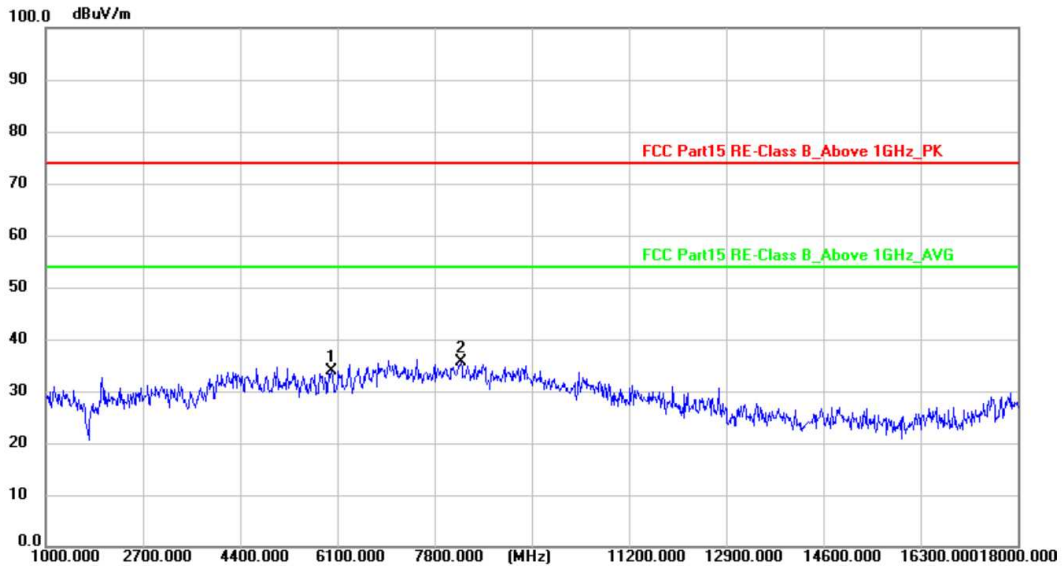


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ac20 5240MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 17:24:03



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	6000.125	44.78	-10.87	33.91	74.00	-40.09	peak	150	24	P	
2 *	8261.125	42.57	-6.91	35.66	74.00	-38.34	peak	150	102	P	

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

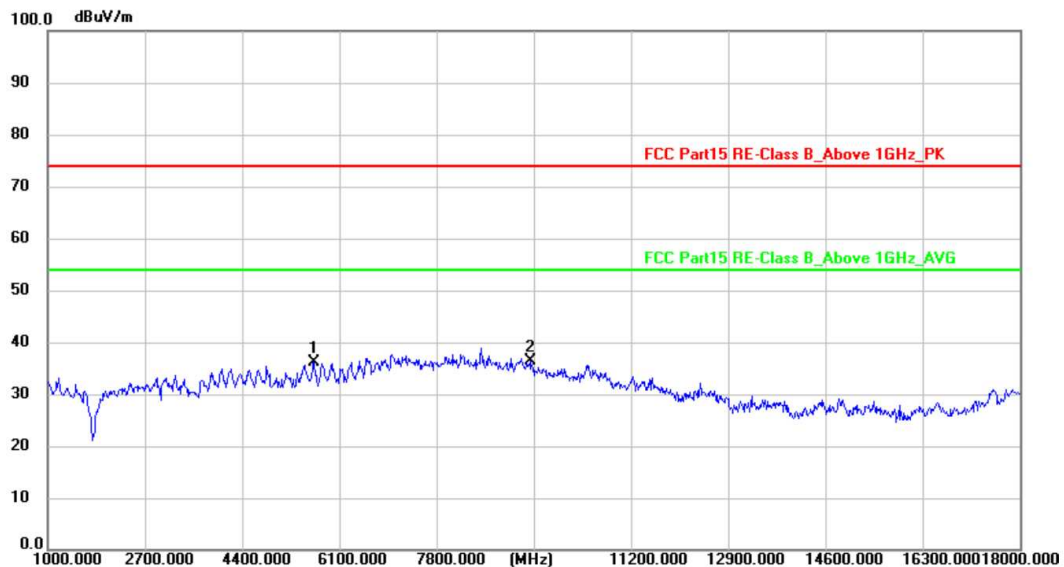


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Vertical** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ax20 5180
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 19:05:45



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	5658.000	48.00	-11.78	36.22	74.00	-37.78	peak	150	124	P	
2 *	9432.000	42.21	-5.95	36.26	74.00	-37.74	peak	150	245	P	

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

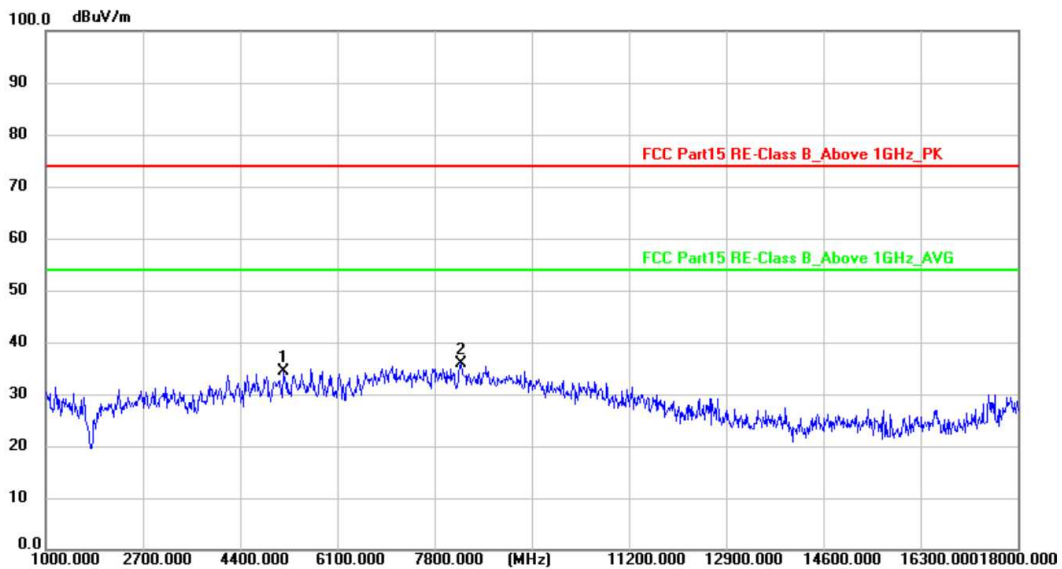


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ax20 5180
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 19:10:57



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	5158.625	46.79	-12.30	34.49	74.00	-39.51	peak	150	241	P	
2 *	8263.250	42.69	-6.90	35.79	74.00	-38.21	peak	150	144	P	

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

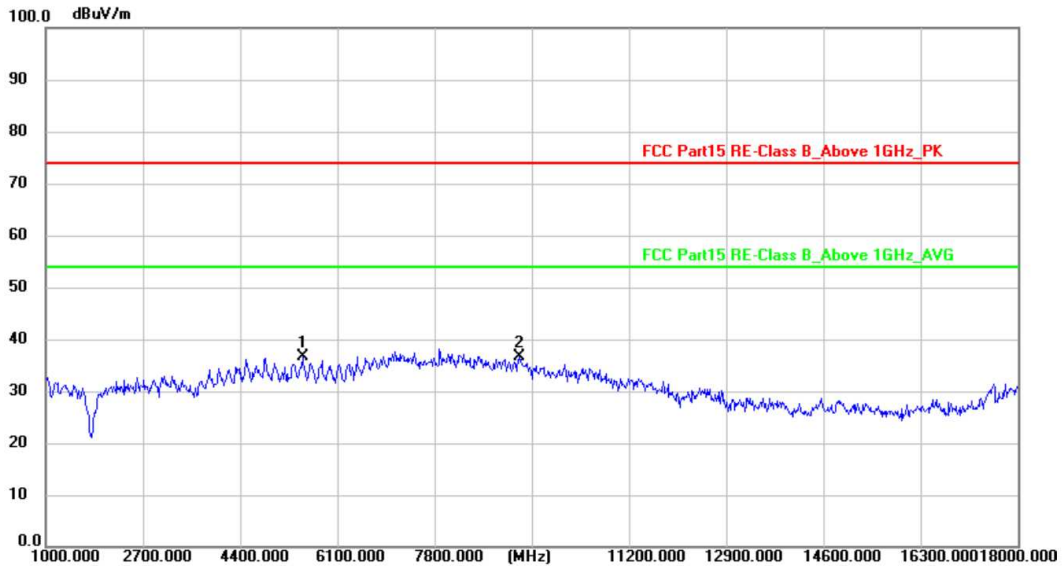


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: EinScan Libre Test Engineer: Felix Pang
Test Mode: ax20 5200
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2024/9/16 19:15:26



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 *	5500.750	48.44	-11.71	36.73	74.00	-37.27	peak	150	175	P	
2	9287.500	42.72	-6.03	36.69	74.00	-37.31	peak	150	142	P	

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

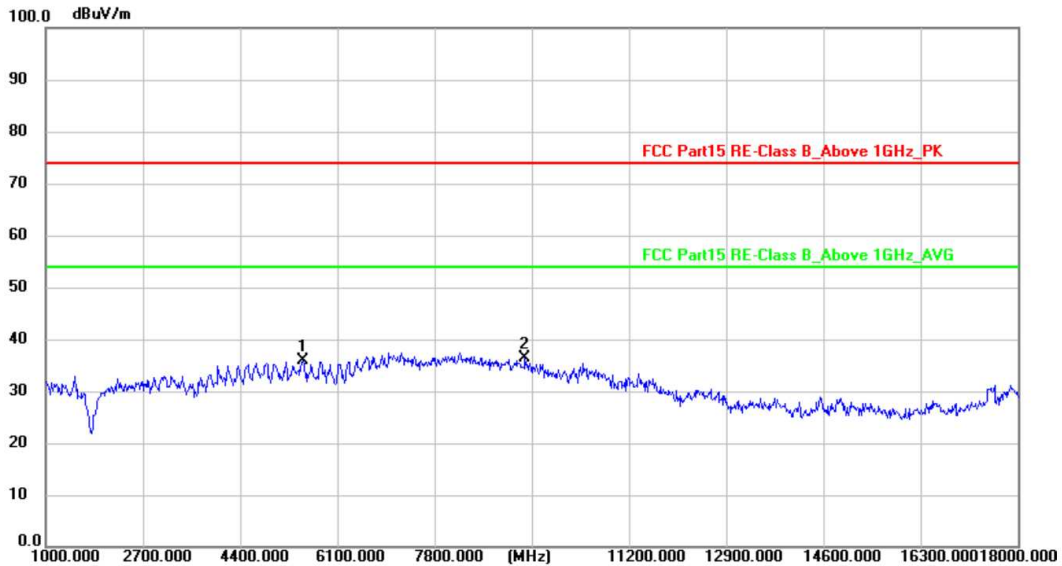


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: EinScan Libre	Test Engineer: Felix Pang	
Test Mode: ax20 5200		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2024/9/16 19:20:43



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	5507.125	48.00	-12.20	35.80	74.00	-38.20	peak	150	24	P	
2 *	9393.750	42.23	-5.97	36.26	74.00	-37.74	peak	150	38	P	

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