



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

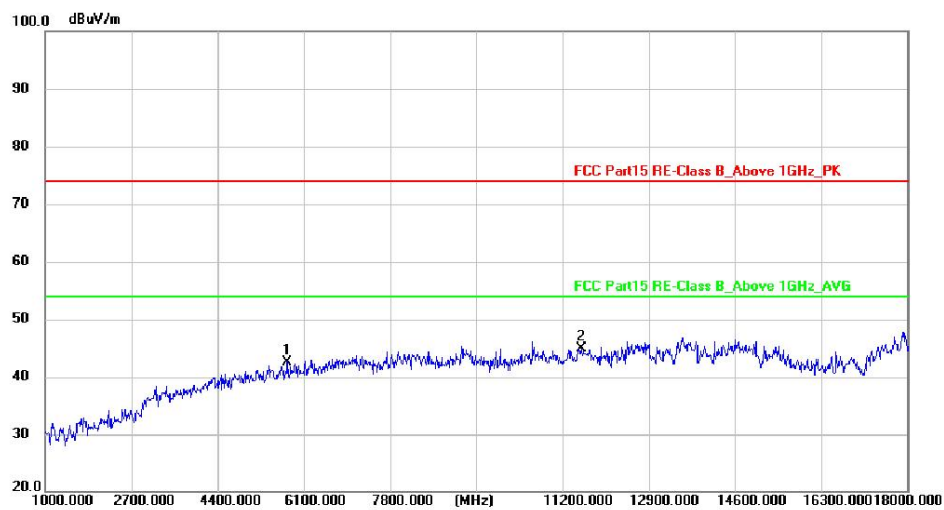
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: $\pi/4$ DQPSK 2480MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 10:25:16



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	5785.500	56.75	-14.15	42.60	74.00	-31.40	peak	150	328	P	
2 *	11586.750	53.76	-8.76	45.00	74.00	-29.00	peak	150	129	P	

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

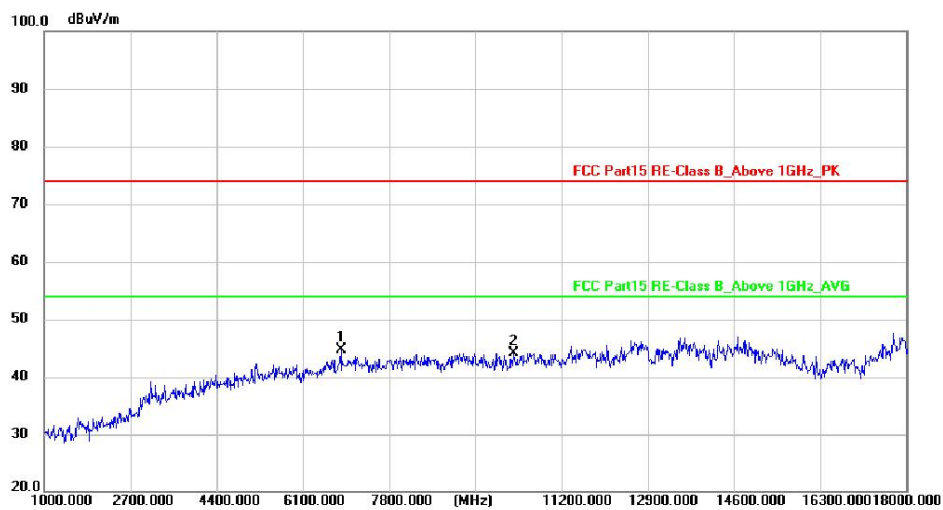


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: 8DPSK 2402MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/11 10:31:22



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 *	6858.625	56.34	-11.69	44.65	74.00	-29.35	peak	150	163	P	
2	10250.125	53.83	-9.70	44.13	74.00	-29.87	peak	150	42	P	

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

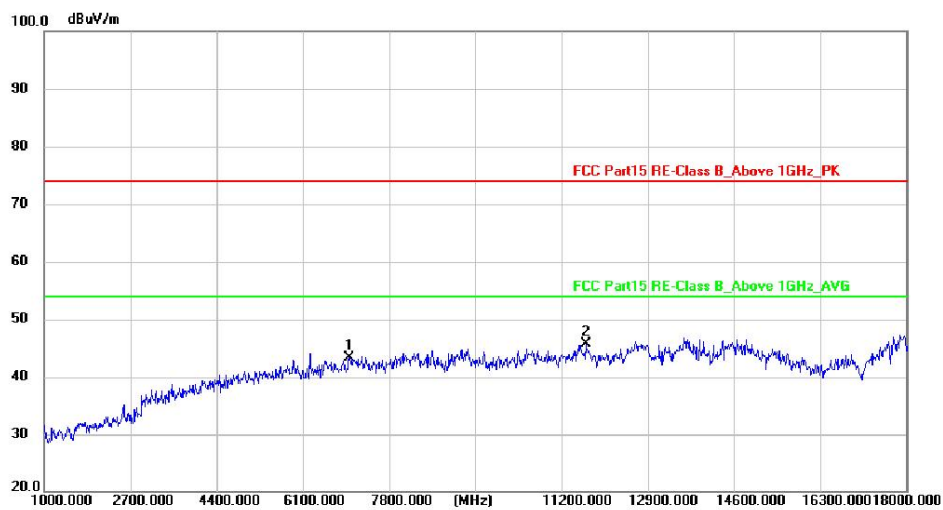


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: 8DPSK 2402MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/11 10:36:28



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	7018.000	54.68	-11.34	43.34	74.00	-30.66	peak	150	165	P	
2 *	11678.125	54.40	-8.73	45.67	74.00	-28.33	peak	150	102	P	

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



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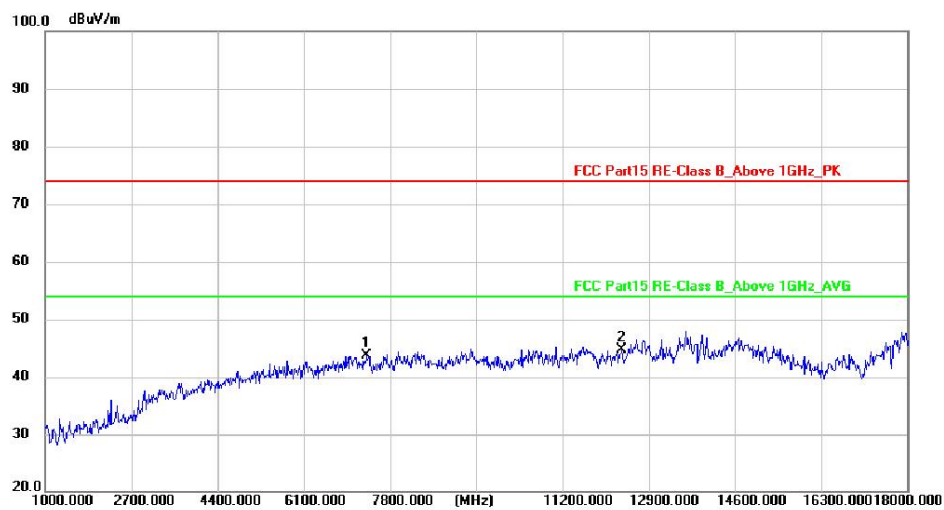
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: 8DPSK 2480MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 10:41:34



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	7353.750	54.72	-11.11	43.61	74.00	-30.39	peak	150	15	P	
2 *	12385.750	52.86	-8.23	44.63	74.00	-29.37	peak	150	206	P	

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



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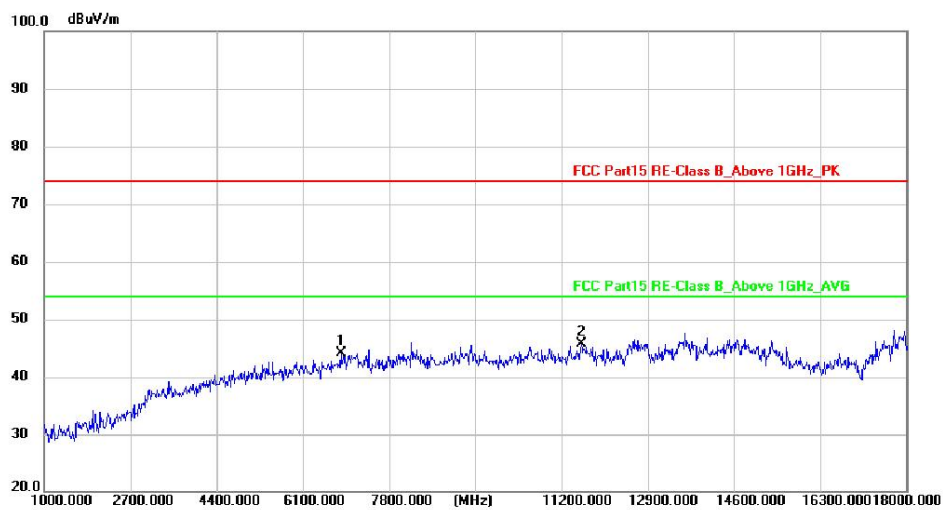
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: 8DPSK 2480MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/11 10:46:42



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	6850.125	55.90	-11.71	44.19	74.00	-29.81	peak	150	321	P	
2 *	11599.500	54.54	-8.76	45.78	74.00	-28.22	peak	150	296	P	

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

Appendix A.10: Test Results of Radiated Emissions in Restricted Bands

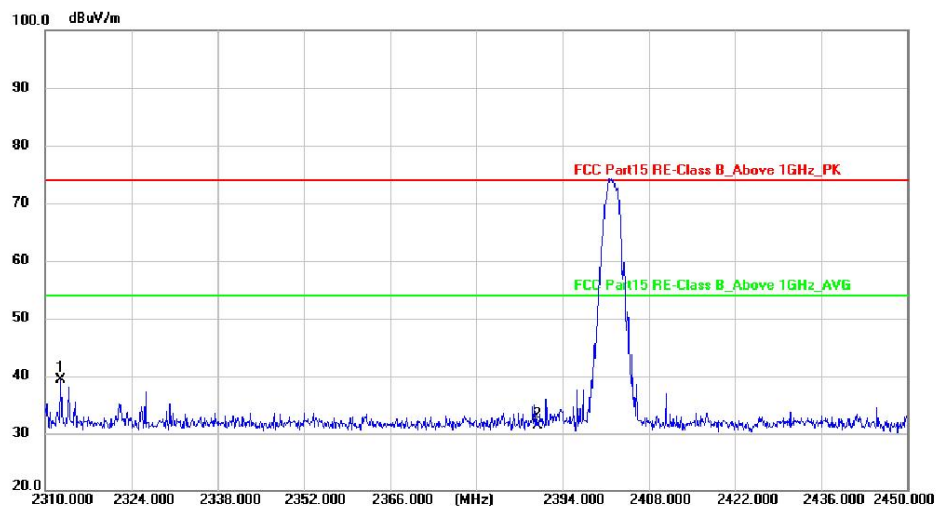


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: GFSK 2402MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 16:13:14



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 *	2312.520	63.49	-24.13	39.36	74.00	-34.64	peak	150	206	P	
2	2390.000	55.15	-23.89	31.26	74.00	-42.74	peak	150	115	P	

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

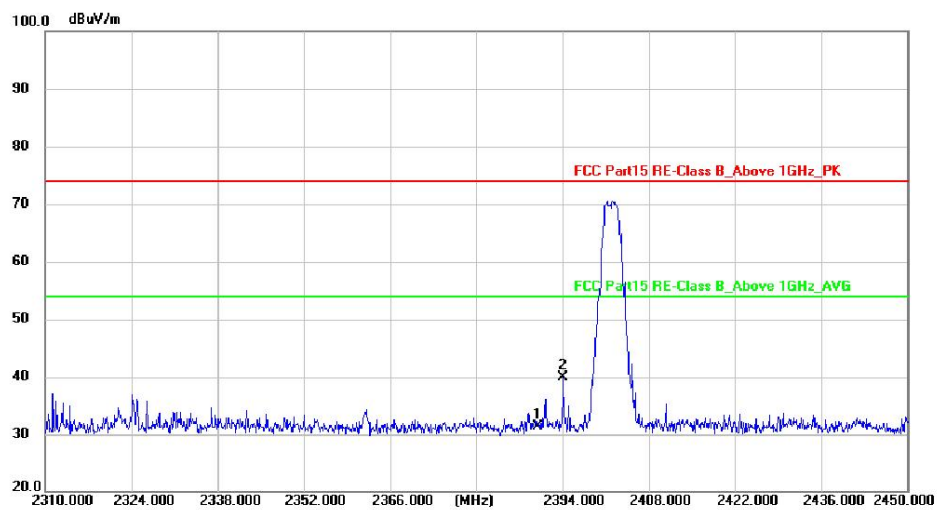


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: GFSK 2402MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 16:19:43



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	2390.000	55.27	-23.89	31.38	74.00	-42.62	peak	150	114	P	
2 *	2394.175	63.70	-23.88	39.82	74.00	-34.18	peak	150	256	P	

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

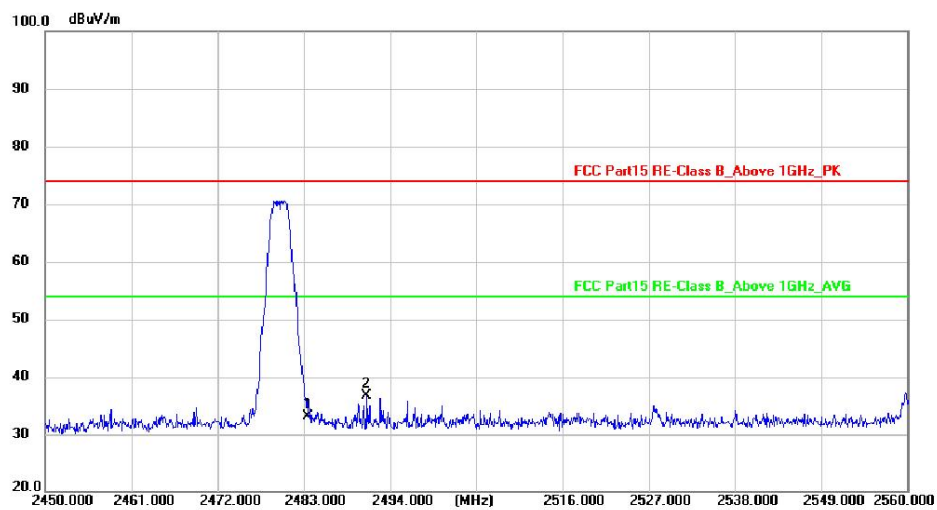


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: Robotic Vacuum Distance: 3m Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: GFSK 2480MHz
Test Voltage: DC 14.4V
Note:

Radiated Emission Measurement

Test Date: 2026/3/10 16:25:08



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	56.76	-23.58	33.18	74.00	-40.82	peak	150	215	P	
2 *	2491.099	60.26	-23.56	36.70	74.00	-37.30	peak	150	320	P	

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

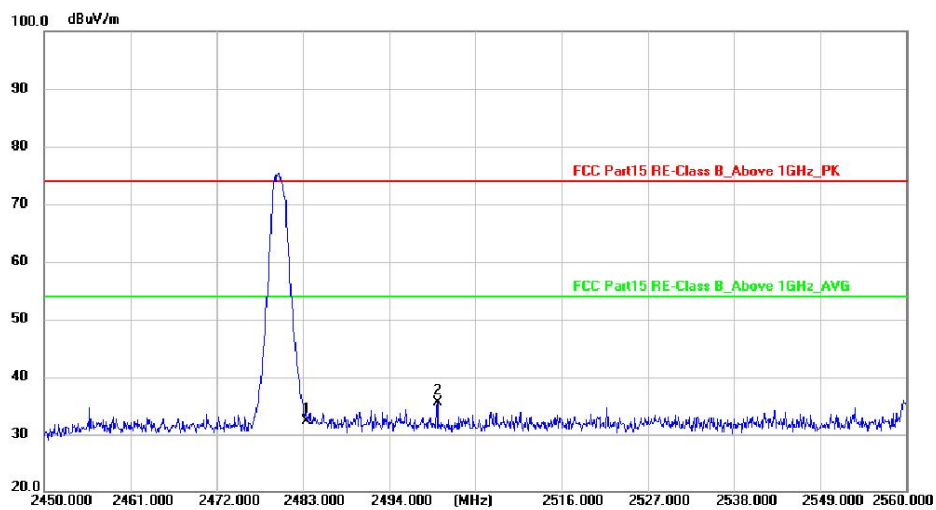


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: GFSK 2480MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 16:31:07



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	2483.500	55.96	-23.58	32.38	74.00	-41.62	peak	150	65	P	
2 *	2500.174	59.10	-23.53	35.57	74.00	-38.43	peak	150	291	P	

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

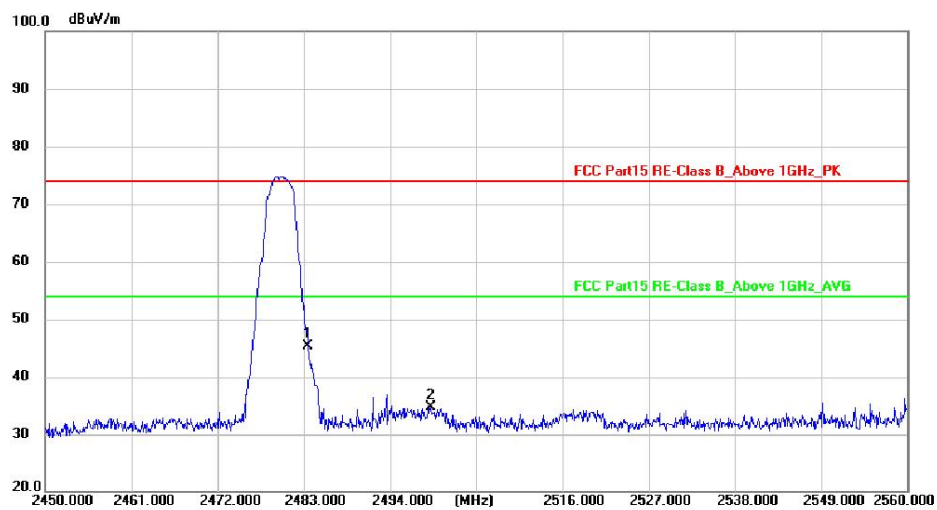


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: Π/4DQPSK 2480MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 16:36:09



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 *	2483.500	68.79	-23.58	45.21	74.00	-28.79	peak	150	312	P	
2	2499.253	58.28	-23.53	34.75	74.00	-39.25	peak	150	51	P	

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



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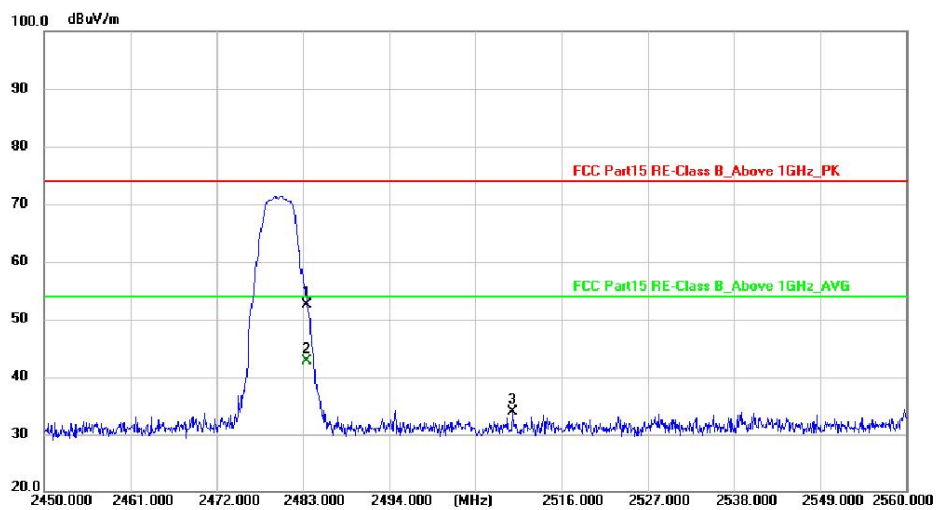
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: Π/4DQPSK 2480MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/10 16:42:30



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	76.08	-23.58	52.50	74.00	-21.50	peak	150	206	P	
2 *	2483.500	66.21	-23.58	42.63	54.00	-11.37	AVG	150	206	P	
3	2509.744	57.30	-23.49	33.81	74.00	-40.19	peak	150	125	P	

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



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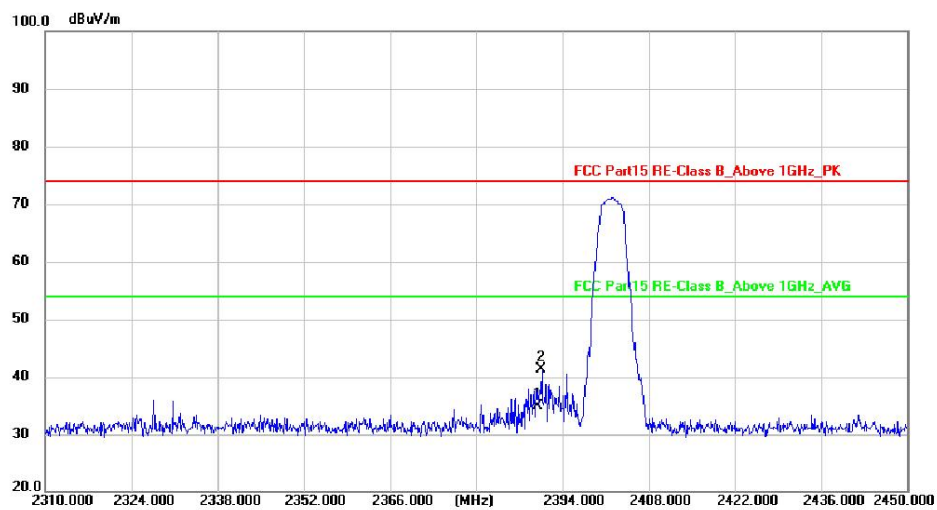
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: $\Pi/4$ DQPSK 2402MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/10 16:49:38



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	2390.000	58.71	-23.89	34.82	74.00	-39.18	peak	150	215	P	
2 *	2390.727	65.10	-23.89	41.21	74.00	-32.79	peak	150	330	P	

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



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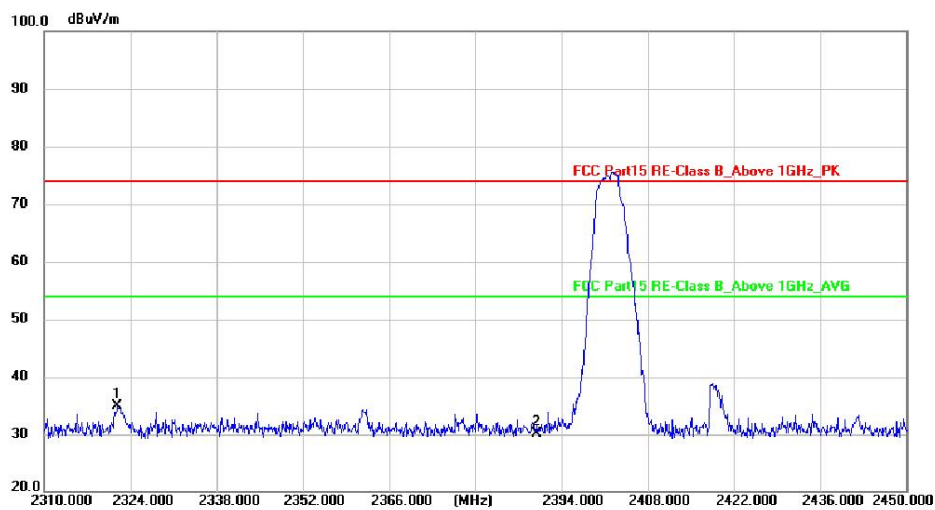
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: $\Pi/4$ DQPSK 2402MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/10 16:54:58



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 *	2322.005	59.12	-24.12	35.00	74.00	-39.00	peak	150	203	P	
2	2390.000	54.03	-23.89	30.14	74.00	-43.86	peak	150	125	P	

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

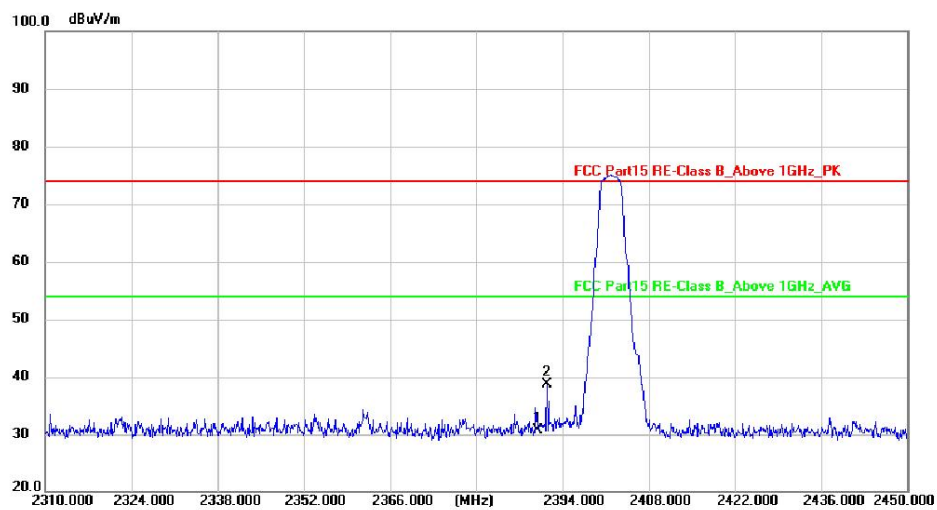


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: 8DPSK 2402MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 16:59:51



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	2390.000	54.65	-23.89	30.76	74.00	-43.24	peak	150	215	P	
2 *	2391.585	62.66	-23.88	38.78	74.00	-35.22	peak	150	265	P	

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



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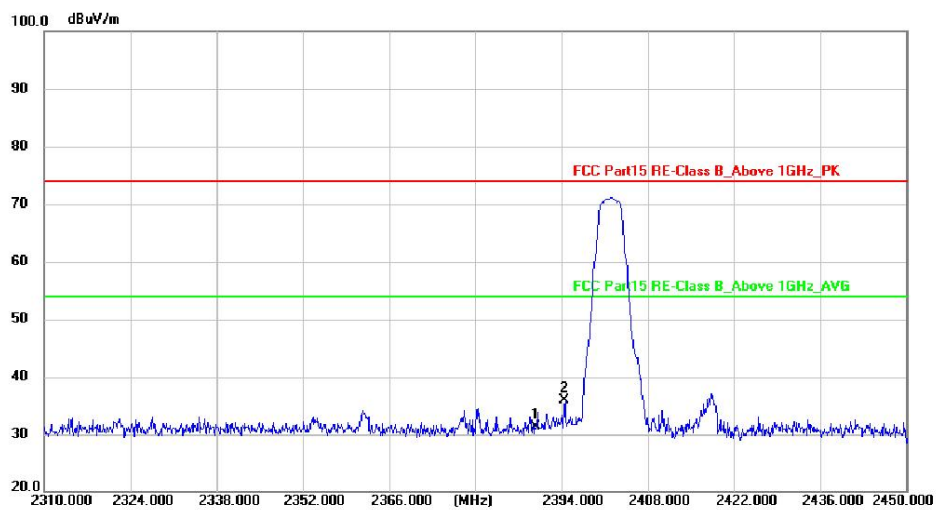
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: 8DPSK 2402MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/10 17:05:17



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	2390.000	55.25	-23.89	31.36	74.00	-42.64	peak	150	251	P	
2 *	2394.577	59.70	-23.88	35.82	74.00	-38.18	peak	150	125	P	

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

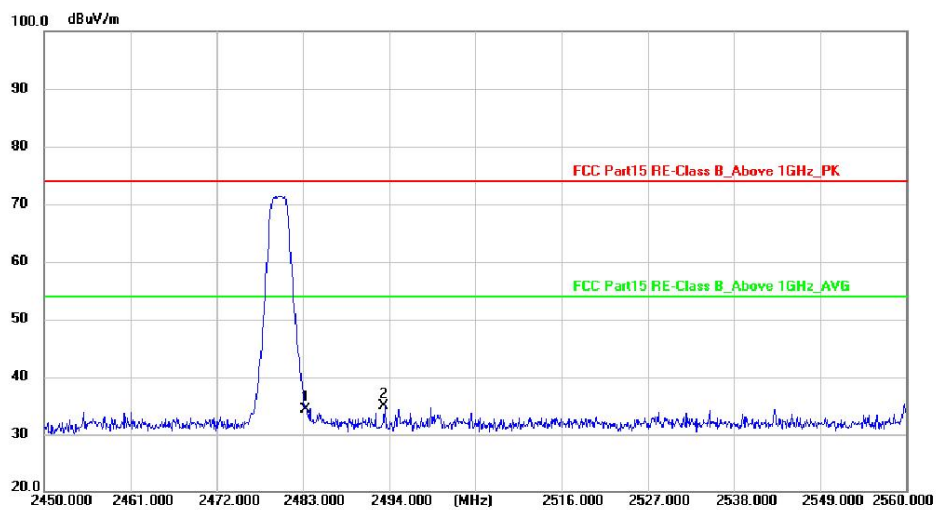


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Robotic Vacuum	Distance: 3m	Humidity: 54 %RH
M/N: AVA111E2US	Test Engineer: Felix	
Test Mode: 8DPSK 2480MHz		
Test Voltage: DC 14.4V		
Note:		

Radiated Emission Measurement

Test Date: 2026/3/10 17:12:50



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	57.90	-23.58	34.32	74.00	-39.68	peak	150	151	P	
2 *	2493.505	58.45	-23.55	34.90	74.00	-39.10	peak	150	196	P	

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



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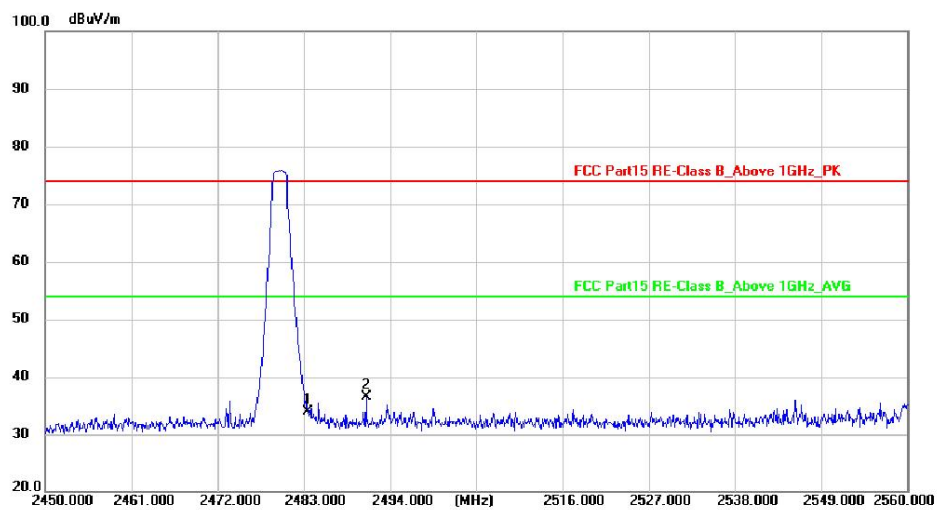
Test Site: PSI EMC Lab-3m Chamber
EUT: Robotic Vacuum
M/N: AVA111E2US
Test Mode: 8DPSK 2480MHz
Test Voltage: DC 14.4V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2026/3/10 17:18:10



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	2483.500	57.39	-23.58	33.81	74.00	-40.19	peak	150	215	P	
2 *	2490.989	60.14	-23.57	36.57	74.00	-37.43	peak	150	256	P	

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

Appendix A.11: Test Results of Conducted Emission on AC Mains

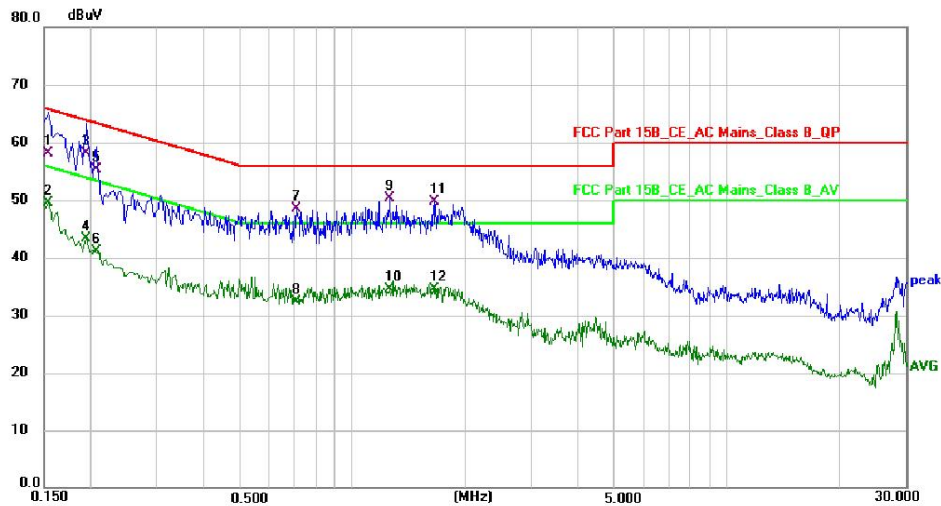


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Test Site: PSI EMC Lab-Shielded Room Phase: **L1** Temperature: 26 °C
EUT: Robotic Vacuum Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: On, Charging by AED Dock + Dust Collecting
Test Voltage: AC 120V/60Hz
Note:

Conducted Emission Measurement

Test Date: 2026/3/9 14:20:44



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1539	48.52	9.68	58.20	65.79	-7.59	QP	P	
2	0.1539	39.80	9.68	49.48	55.79	-6.31	AVG	P	
3	0.1940	48.66	9.44	58.10	63.86	-5.76	QP	P	
4	0.1940	33.91	9.44	43.35	53.86	-10.51	AVG	P	
5	0.2060	45.96	9.40	55.36	63.37	-8.01	QP	P	
6	0.2060	31.61	9.40	41.01	53.37	-12.36	AVG	P	
7	0.7100	39.00	9.41	48.41	56.00	-7.59	QP	P	
8	0.7100	22.85	9.41	32.26	46.00	-13.74	AVG	P	
9 *	1.2620	40.49	9.83	50.32	56.00	-5.68	QP	P	
10	1.2620	24.65	9.83	34.48	46.00	-11.52	AVG	P	
11	1.6540	39.77	9.87	49.64	56.00	-6.36	QP	P	
12	1.6540	24.61	9.87	34.48	46.00	-11.52	AVG	P	

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

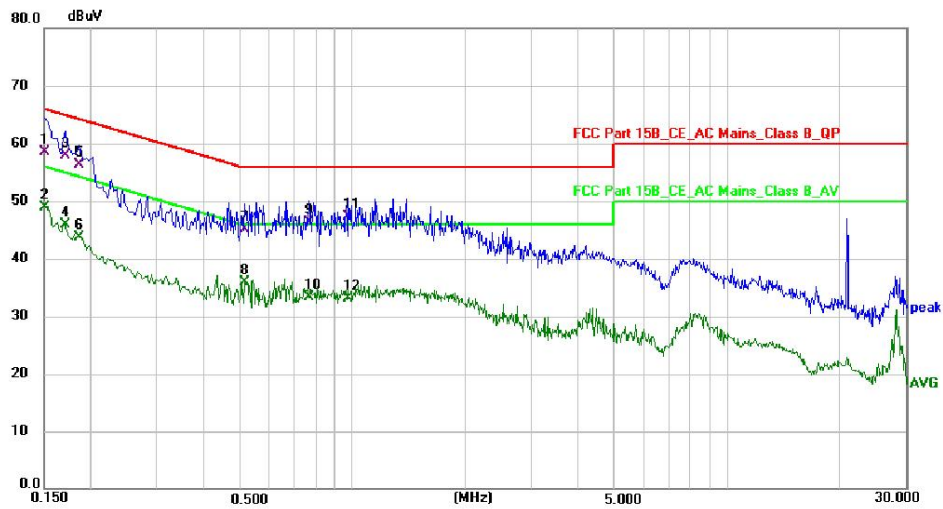


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-Shielded Room Phase: **N** Temperature: 26 °C
EUT: Robotic Vacuum Humidity: 54 %RH
M/N: AVA111E2US Test Engineer: Felix
Test Mode: On, Charging by AED Dock + Dust Collecting
Test Voltage: AC 120V/60Hz
Note:

Conducted Emission Measurement

Test Date: 2026/3/9 14:25:59



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	49.00	9.60	58.60	66.00	-7.40	QP	P	
2	0.1500	39.37	9.60	48.97	56.00	-7.03	AVG	P	
3 *	0.1700	48.48	9.52	58.00	64.96	-6.96	QP	P	
4	0.1700	36.41	9.52	45.93	54.96	-9.03	AVG	P	
5	0.1860	46.80	9.46	56.26	64.21	-7.95	QP	P	
6	0.1860	34.31	9.46	43.77	54.21	-10.44	AVG	P	
7	0.5140	35.49	9.71	45.20	56.00	-10.80	QP	P	
8	0.5140	26.12	9.71	35.83	46.00	-10.17	AVG	P	
9	0.7660	36.44	9.83	46.27	56.00	-9.73	QP	P	
10	0.7660	23.55	9.83	33.38	46.00	-12.62	AVG	P	
11	0.9780	37.74	9.62	47.36	56.00	-8.64	QP	P	
12	0.9780	23.49	9.62	33.11	46.00	-12.89	AVG	P	

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

File: CE/Data :#4

Page: 1

Engineer Signature: