

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.



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: Bluetooth module

Distance: 3m

Humidity: 54 %RH

M/N:

Test Engineer: Felix Pang

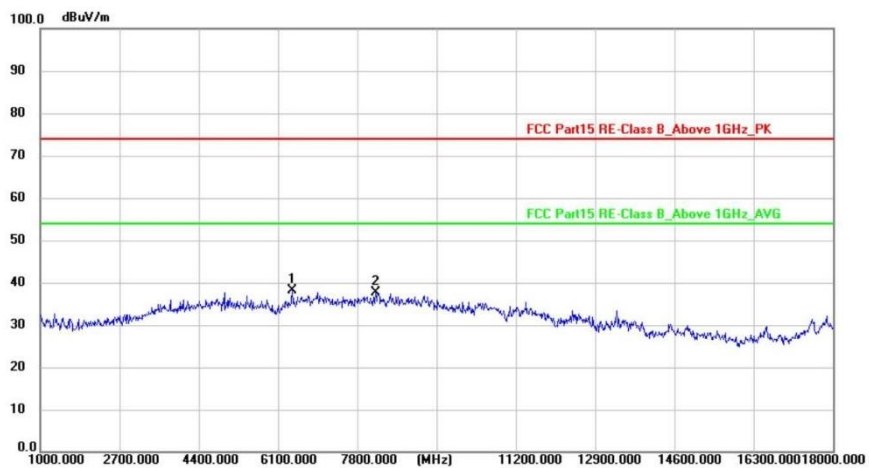
Test Mode: LE 1M 2402MHz

Test Voltage: DC 3.3V

Note:

Radiated Emission Measurement

Test Date: 2025/4/6 11:32:27



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 *	6406.000	47.78	-9.73	38.05	74.00	-35.95	peak	150	126	P	
2	8193.125	44.52	-6.99	37.53	74.00	-36.47	peak	150	254	P	

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

File: BLE TX 1-18G\Data :#1

Page: 1

Engineer Signature:

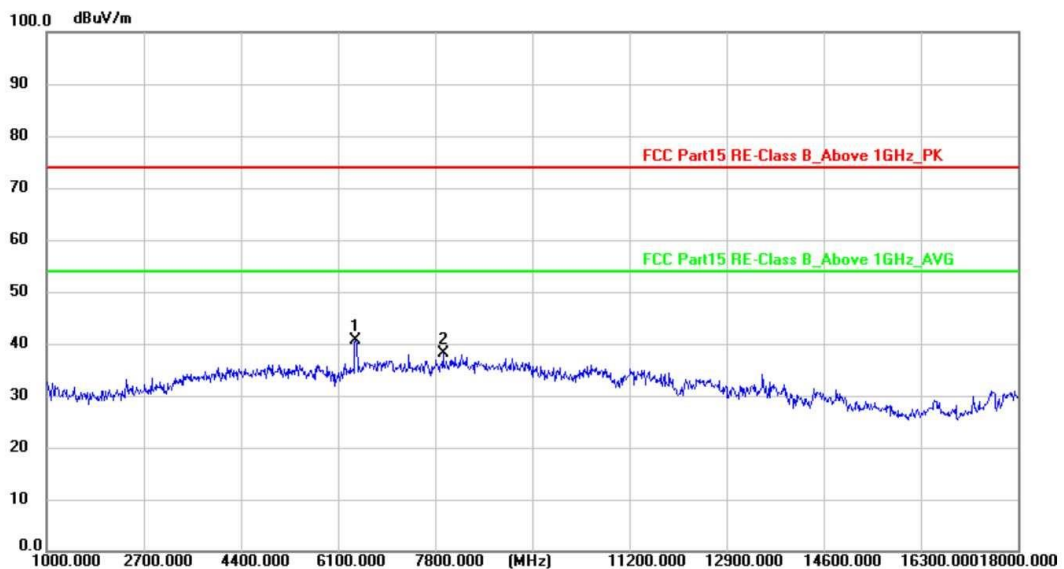


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2402MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:35:51



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 *	6406.000	50.37	-9.73	40.64	74.00	-33.36	peak	150	21	P	
2	7938.125	45.28	-7.22	38.06	74.00	-35.94	peak	150	154	P	

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

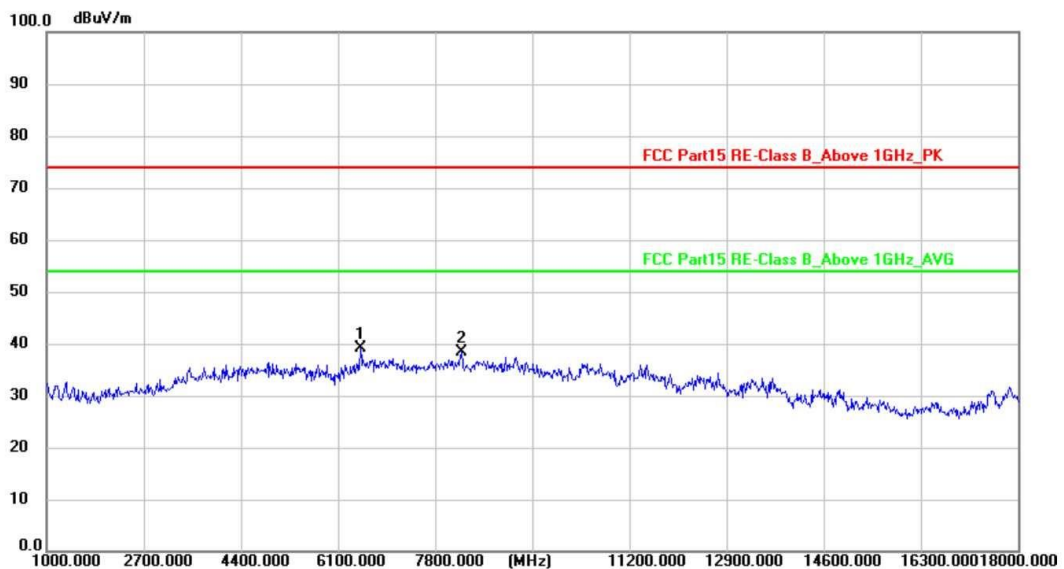


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2440MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:37:14



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 *	6505.875	48.60	-9.45	39.15	74.00	-34.85	peak	150	102	P	
2	8263.250	45.17	-6.90	38.27	74.00	-35.73	peak	150	254	P	

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

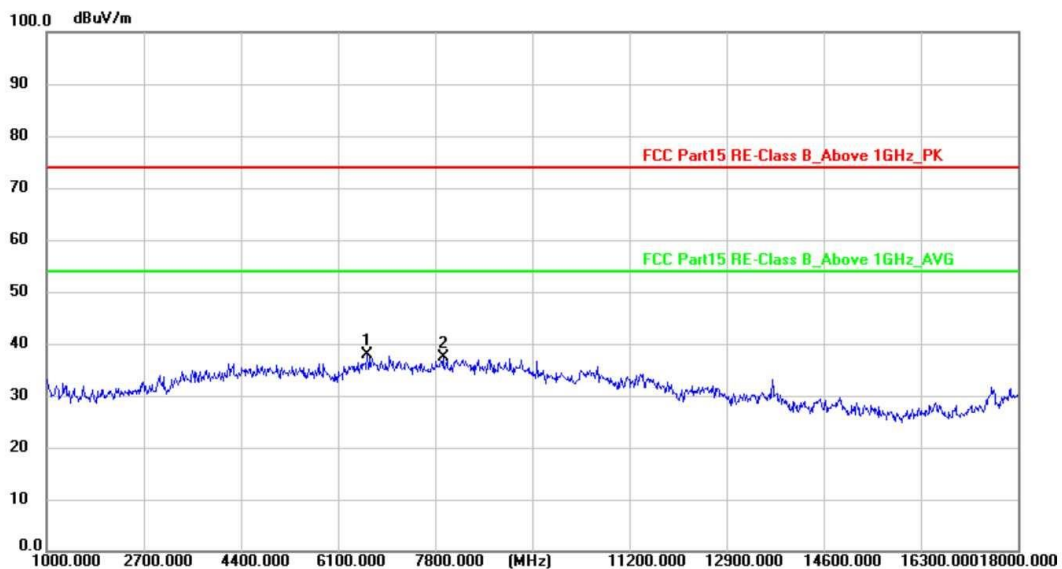


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2440MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:42:43



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 *	6620.625	46.91	-9.11	37.80	74.00	-36.20	peak	150	154	P	
2	7948.750	44.56	-7.20	37.36	74.00	-36.64	peak	150	123	P	

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

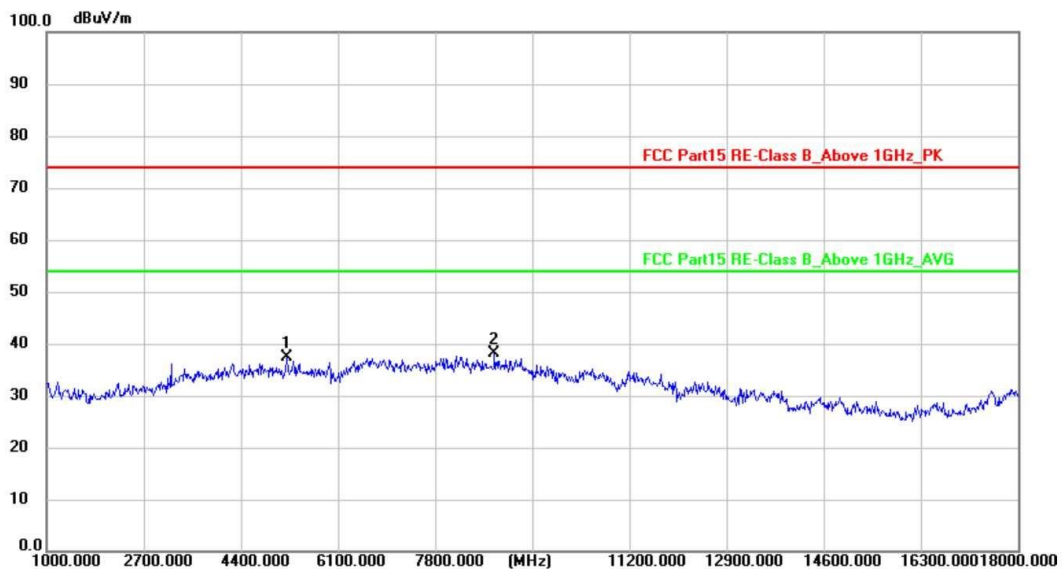


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:47:39



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	5207.500	49.49	-12.21	37.28	74.00	-36.72	peak	150	12	P	
2 *	8851.875	44.44	-6.35	38.09	74.00	-35.91	peak	150	45	P	

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

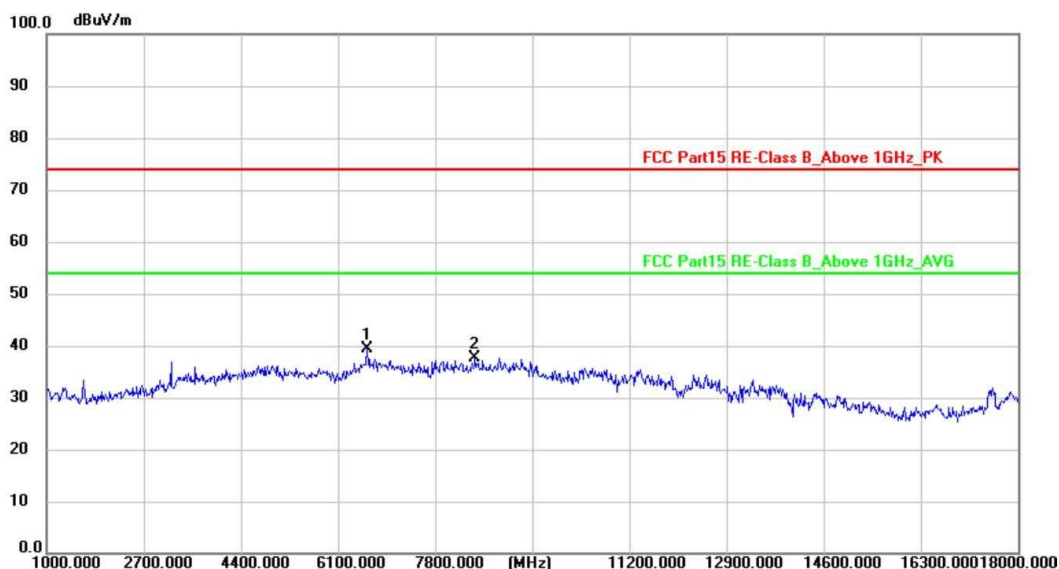


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:51:10



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	6614.250	48.49	-9.13	39.36	74.00	-34.64	peak	150	124	P	
2	8509.750	44.37	-6.67	37.70	74.00	-36.30	peak	150	257	P	

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

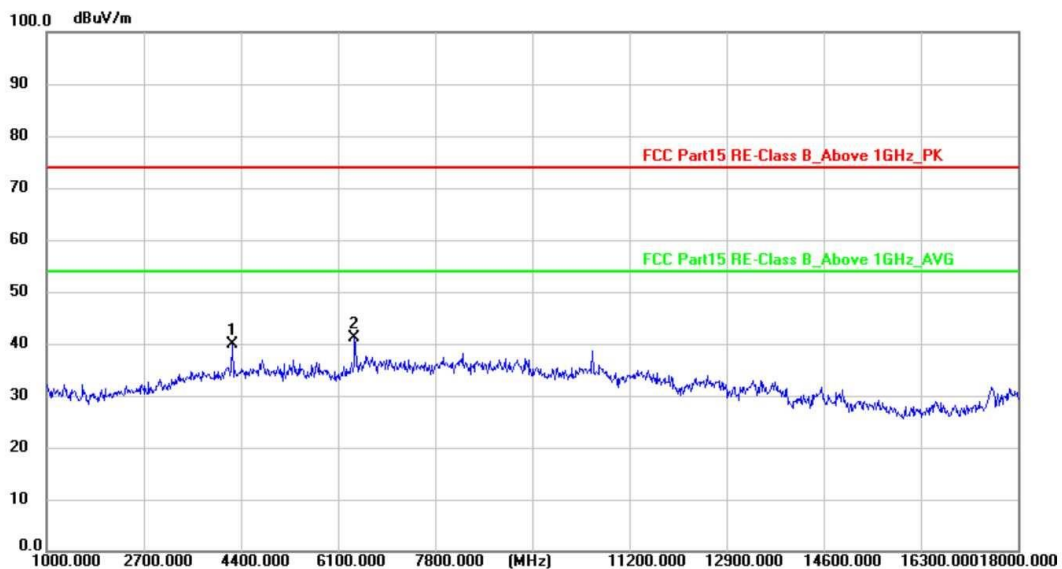


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2402MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:56:07



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	4253.375	55.40	-15.45	39.95	74.00	-34.05	peak	150	158	P	
2 *	6389.000	50.83	-9.76	41.07	74.00	-32.93	peak	150	98	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: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2402MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 11:59:36



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	6607.875	46.96	-9.15	37.81	74.00	-36.19	peak	150	125	P	
2 *	8520.375	44.86	-6.67	38.19	74.00	-35.81	peak	150	254	P	

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

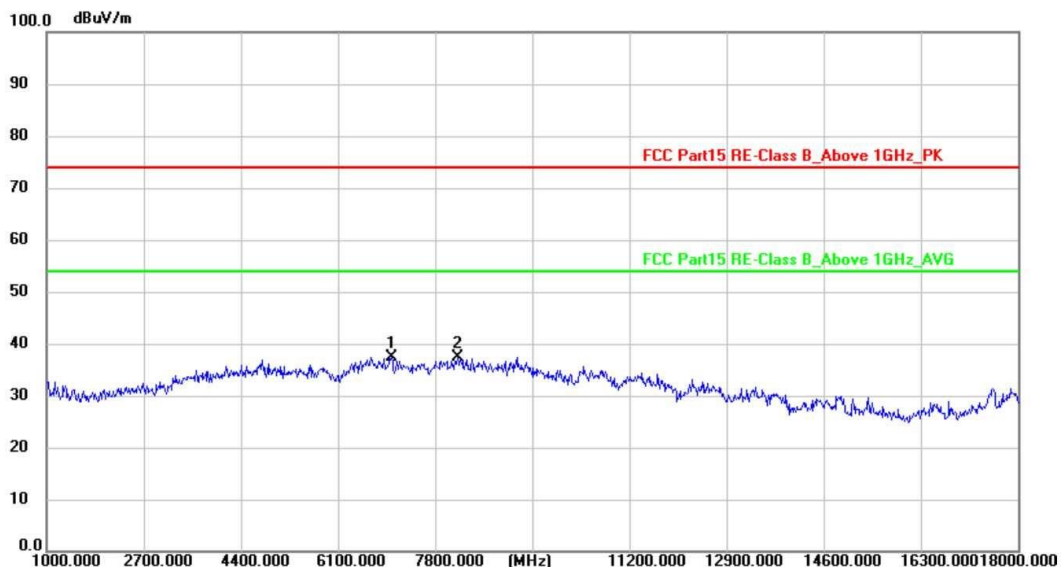


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2440MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 12:04:12



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	7041.375	45.46	-8.01	37.45	74.00	-36.55	peak	150	154	P	
2 *	8191.000	44.48	-6.99	37.49	74.00	-36.51	peak	150	268	P	

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

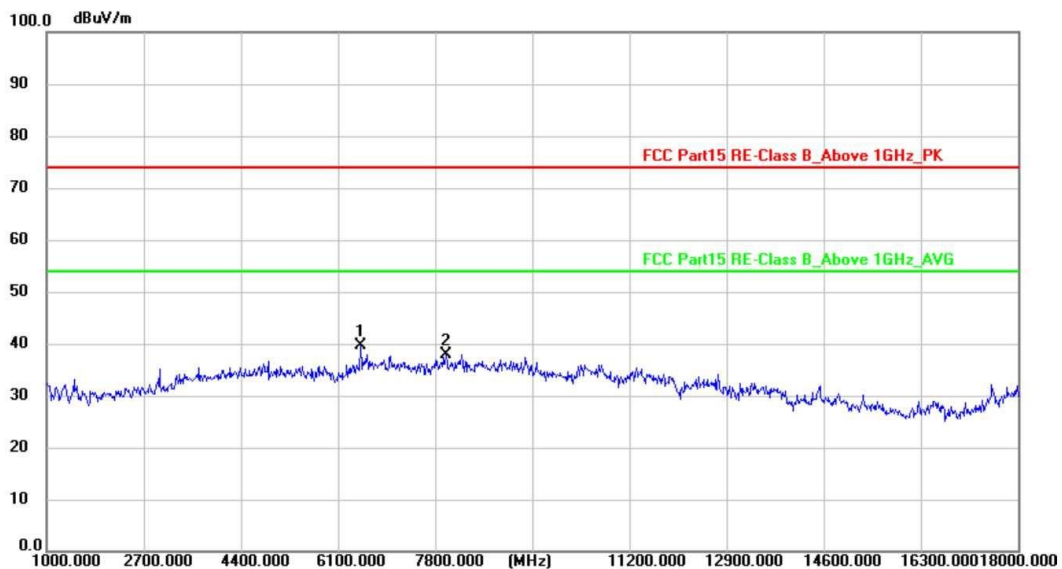


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2440MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 12:08:37



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 *	6505.875	48.96	-9.45	39.51	74.00	-34.49	peak	150	257	P	
2	7997.625	45.15	-7.16	37.99	74.00	-36.01	peak	150	124	P	

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

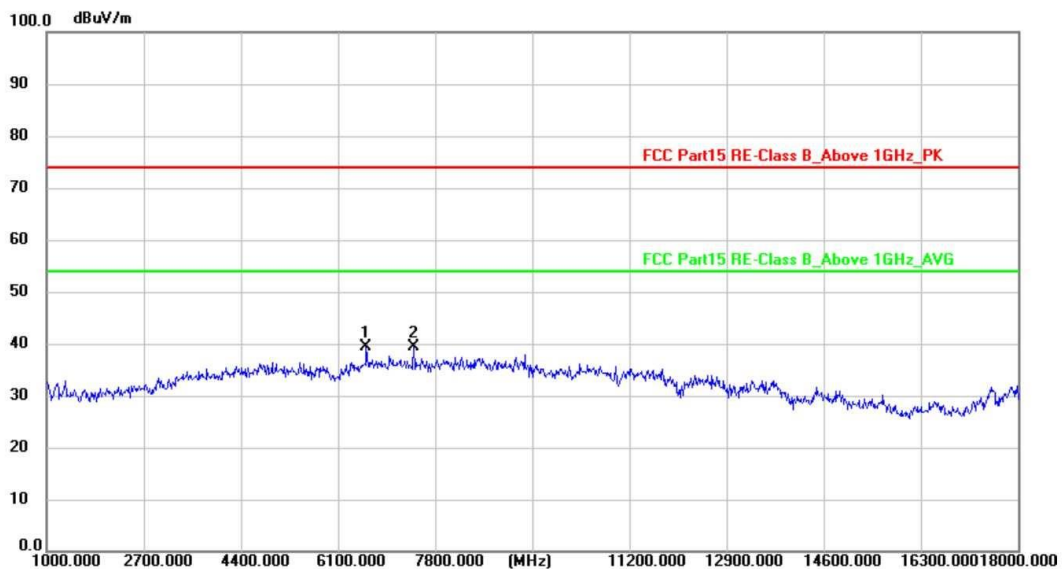


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 12:12:12



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 *	6607.875	48.56	-9.15	39.41	74.00	-34.59	peak	150	78	P	
2	7438.750	46.99	-7.66	39.33	74.00	-34.67	peak	150	106	P	

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

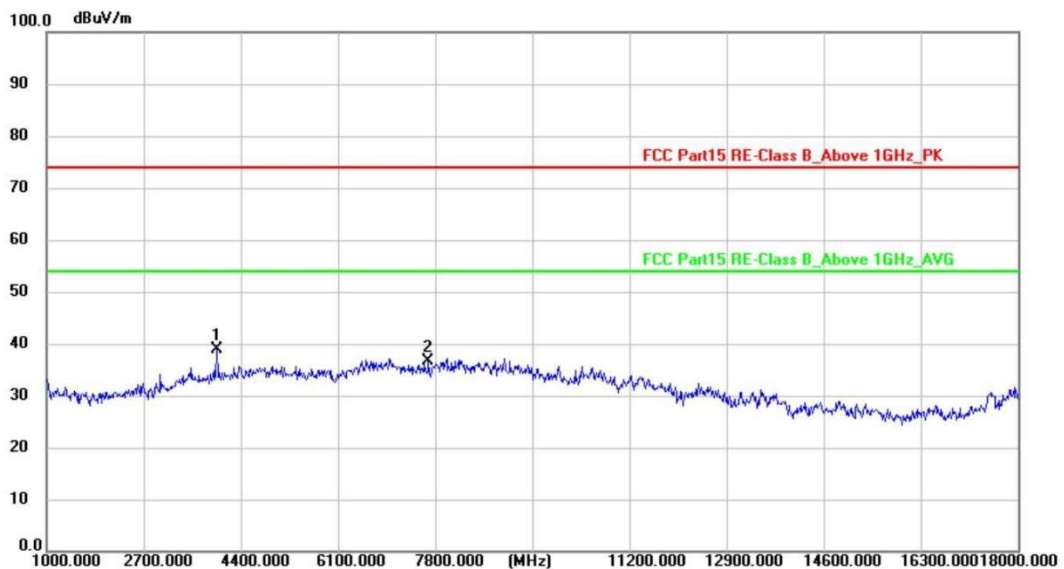


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 2M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 12:16:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	3983.500	55.13	-16.15	38.98	74.00	-35.02	peak	150	120	P	
2	7695.875	44.05	-7.43	36.62	74.00	-37.38	peak	150	186	P	

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

Appendix A.6: Test Results of Radiated Emissions in Restricted Bands



Shenzhen PSI Testing Co., Ltd.
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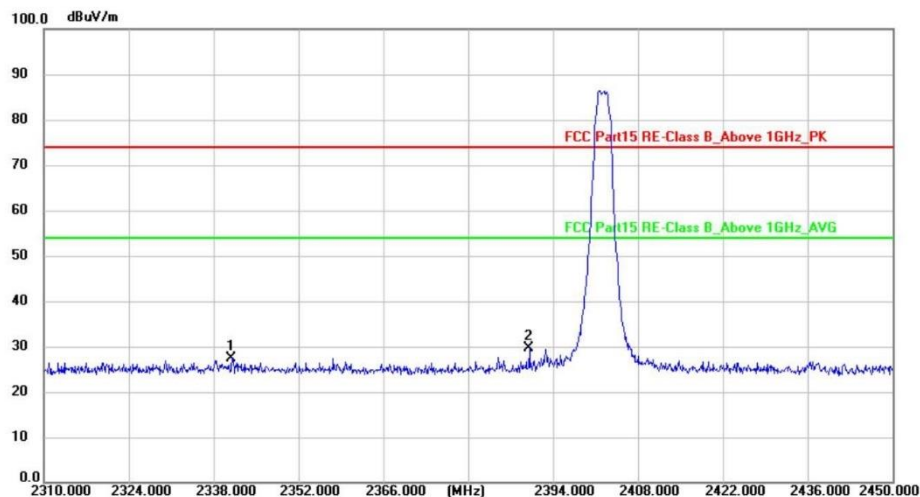
Test Site: PSI EMC Lab-3m Chamber
EUT: Bluetooth module
M/N:
Test Mode: LE 1M 2402MHz
Test Voltage: DC 3.3V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2025/4/6 18:50:48



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2341.202	53.71	-26.26	27.45	74.00	-46.55	peak	150	102	P	
2 *	2390.000	55.64	-26.12	29.52	74.00	-44.48	peak	150	324	P	

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

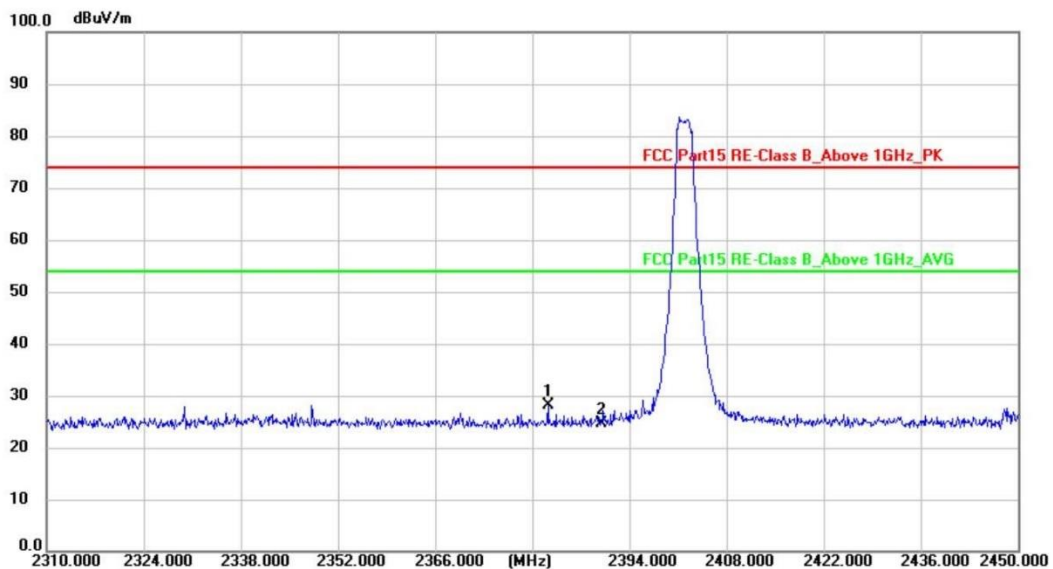


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2402MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 18:55:50



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 *	2382.310	54.29	-26.13	28.16	74.00	-45.84	peak	150	214	P	
2	2390.000	50.77	-26.12	24.65	74.00	-49.35	peak	150	125	P	

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

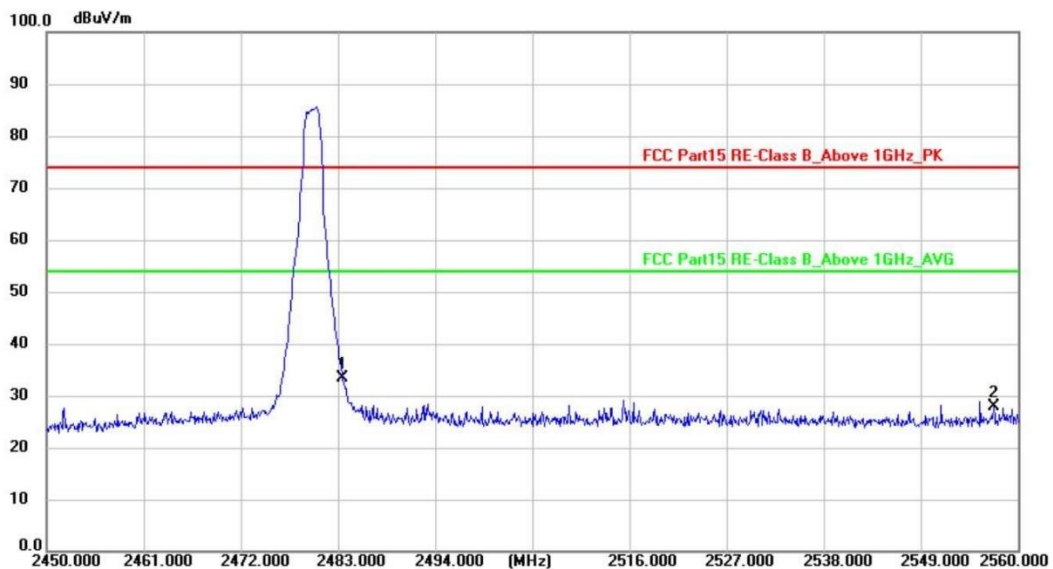


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 18:59:04



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 *	2483.500	59.28	-25.84	33.44	74.00	-40.56	peak	150	119	P	
2	2557.278	53.60	-25.60	28.00	74.00	-46.00	peak	150	217	P	

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

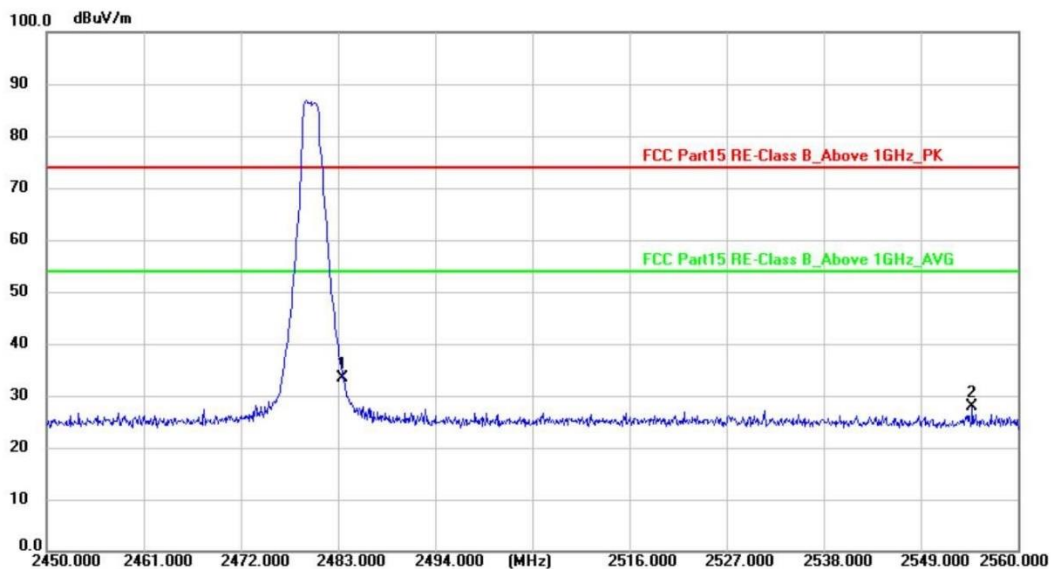


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: Bluetooth module	Distance: 3m	Humidity: 54 %RH
M/N:	Test Engineer: Felix Pang	
Test Mode: LE 1M 2480MHz		
Test Voltage: DC 3.3V		
Note:		

Radiated Emission Measurement

Test Date: 2025/4/6 19:04:43



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 *	2483.500	59.13	-25.84	33.29	74.00	-40.71	peak	150	84	P	
2	2554.871	53.54	-25.62	27.92	74.00	-46.08	peak	150	126	P	

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