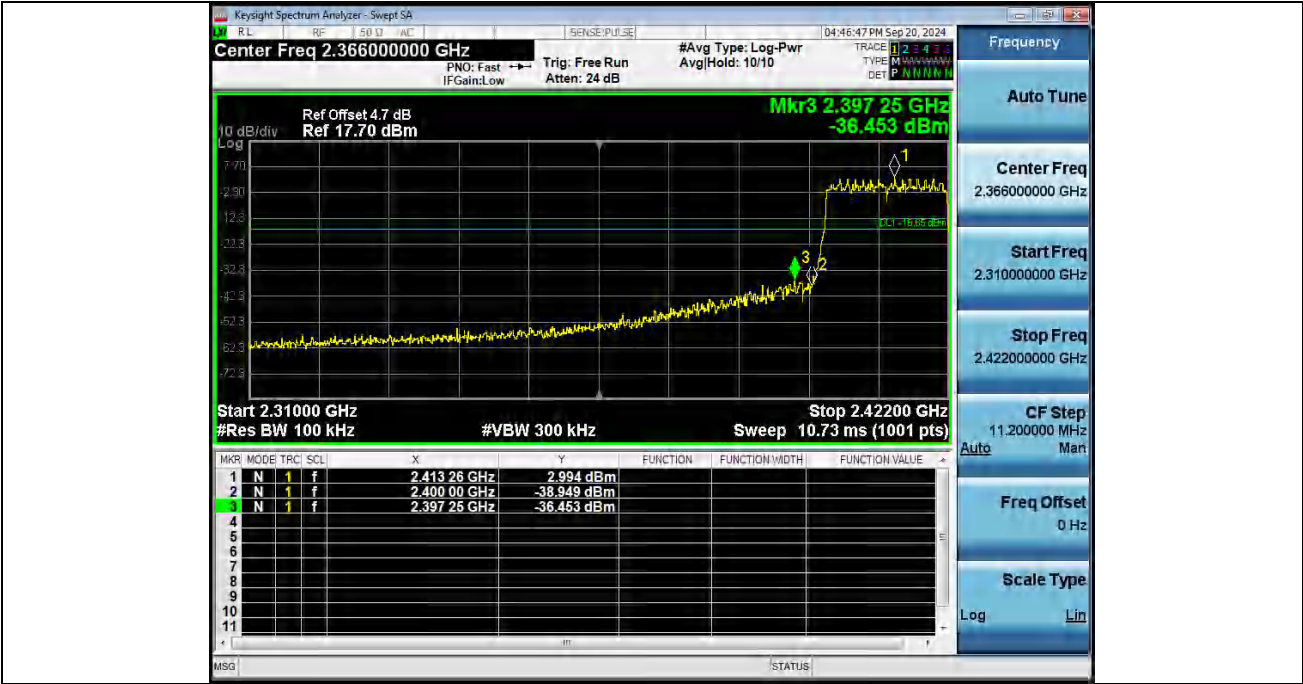
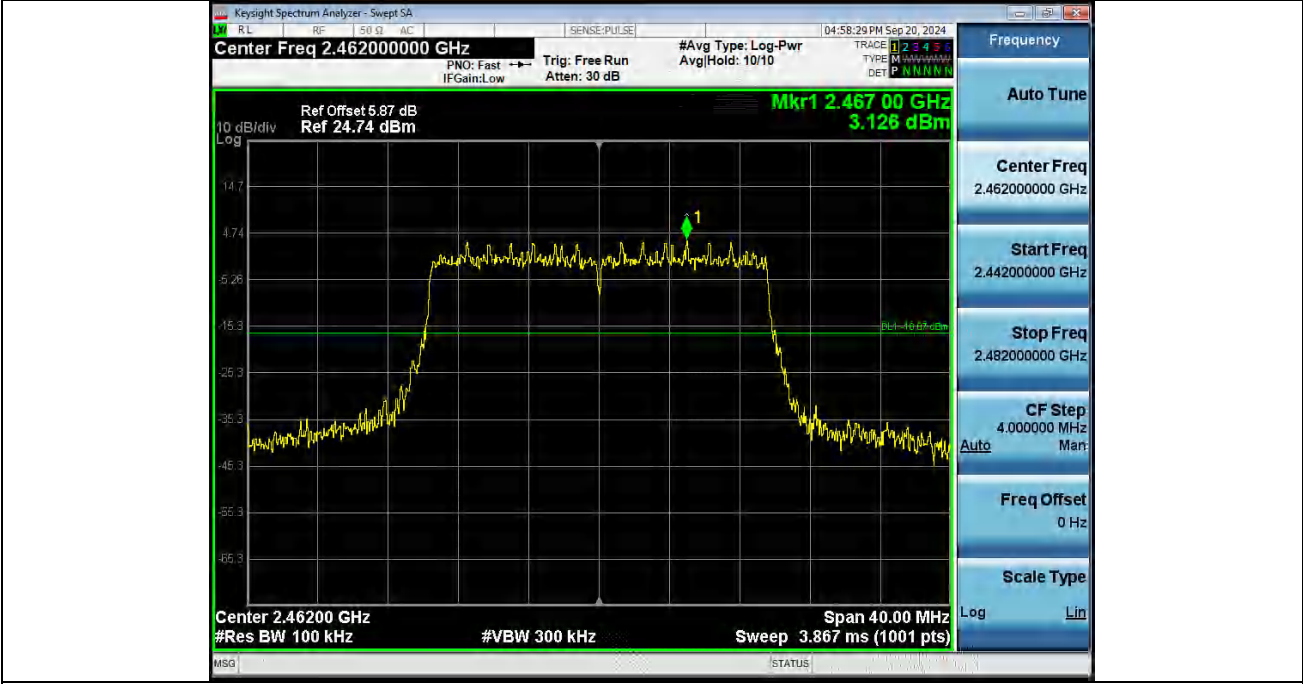
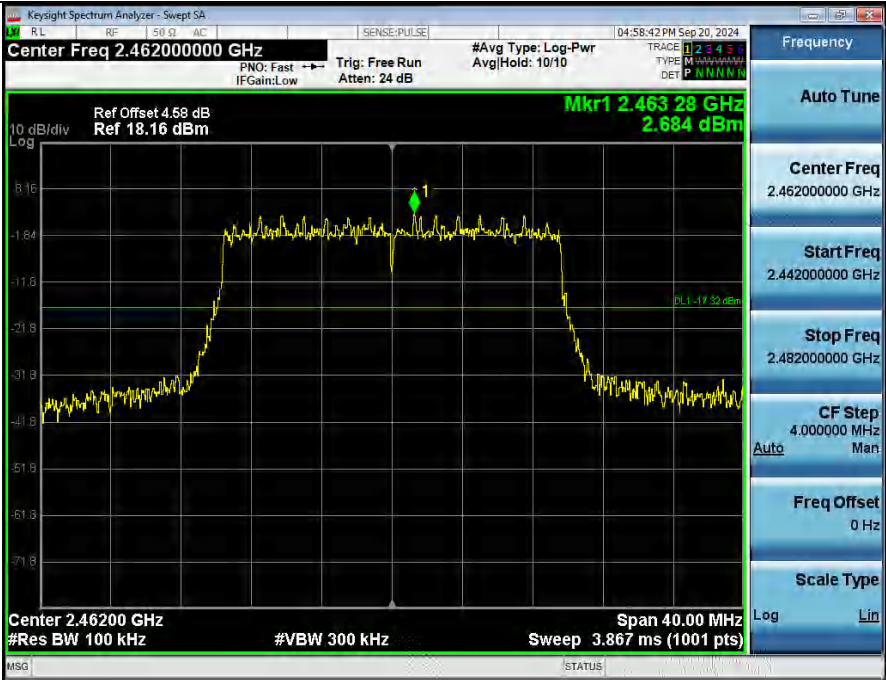




1 Reference_Level_NVNT_ANT1_802_11ax(HE20)_2462



1 Reference_Level_NVNT_ANT2_802_11ax(HE20)_2462



2_Bandedge_NVNT_ANT1_802_11ax(HE20)_2462



2_Bandedge_NVNT_ANT2_802_11ax(HE20)_2462



Appendix B.6: Test Results of Radiated Spurious Emissions

Note 1: 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.

Note 2: The highest emissions are the fundamental waves.

Note 3: All modes and ports tested, only the worst-case 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: See note Distance: 3m Humidity: 54 %RH
M/N: See note Test Engineer: Felix Pang
Test Mode: 11b 2412MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

Radiated Emission Measurement

Test Date: 2024/11/13 10:03:18



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	64.4330	21.70	12.66	34.36	40.00	-5.64	QP	100	124	P	
2	120.2766	25.08	12.57	37.65	43.50	-5.85	QP	100	157	P	
3	157.5588	24.27	14.29	38.56	43.50	-4.94	QP	100	89	P	
4	245.0900	20.04	13.26	33.30	46.00	-12.70	QP	100	302	P	
5 *	360.4476	24.53	16.61	41.14	46.00	-4.86	QP	100	167	P	
6	649.6596	16.66	23.70	40.36	46.00	-5.64	QP	100	89	P	

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



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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: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11b 2412MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/13 10:09:49



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	96.7750	18.32	10.32	28.64	43.50	-14.86	QP	200	135	P	
2	120.2766	23.26	12.57	35.83	43.50	-7.67	QP	200	247	P	
3 *	144.3347	24.30	14.00	38.30	43.50	-5.20	QP	200	78	P	
4	196.5098	24.55	11.37	35.92	43.50	-7.58	QP	200	159	P	
5	234.9910	25.29	12.84	38.13	46.00	-7.87	QP	200	64	P	
6	364.2595	21.60	16.72	38.32	46.00	-7.68	QP	200	48	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: See note Distance: 3m Humidity: 54 %RH
M/N: See note Test Engineer: Felix Pang
Test Mode: 11b 2437MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

Radiated Emission Measurement

Test Date: 2024/11/13 10:15:54



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	107.1337	20.83	11.30	32.13	43.50	-11.37	QP	200	135	P	
2	121.5485	24.34	12.65	36.99	43.50	-6.51	QP	200	268	P	
3 *	144.8417	24.58	14.01	38.59	43.50	-4.91	QP	200	78	P	
4	234.9910	23.75	12.84	36.59	46.00	-9.41	QP	200	168	P	
5	365.5390	22.74	16.75	39.49	46.00	-6.51	QP	200	48	P	
6	649.6596	17.14	23.70	40.84	46.00	-5.16	QP	200	207	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: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11b 2437MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/13 10:21:23



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	64.6594	21.70	12.64	34.34	40.00	-5.66	QP	100	48	P	
2	96.7750	20.14	10.32	30.46	43.50	-13.04	QP	100	148	P	
3	119.8556	24.50	12.54	37.04	43.50	-6.46	QP	100	320	P	
4	157.5588	22.69	14.29	36.98	43.50	-6.52	QP	100	168	P	
5	245.0900	20.07	13.26	33.33	46.00	-12.67	QP	100	247	P	
6 *	357.9287	23.94	16.54	40.48	46.00	-5.52	QP	100	59	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: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11b 2462MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/13 10:27:42



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 *	64.6594	22.41	12.64	35.05	40.00	-4.95	QP	100	128	P	
2	119.8556	23.62	12.54	36.16	43.50	-7.34	QP	100	247	P	
3	157.0073	23.08	14.28	37.36	43.50	-6.14	QP	100	325	P	
4	196.5098	23.39	11.37	34.76	43.50	-8.74	QP	100	168	P	
5	243.3771	21.03	13.23	34.26	46.00	-11.74	QP	100	20	P	
6	365.5390	23.58	16.75	40.33	46.00	-5.67	QP	100	168	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: See note Distance: 3m Humidity: 54 %RH
M/N: See note Test Engineer: Felix Pang
Test Mode: 11b 2462MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

Radiated Emission Measurement

Test Date: 2024/11/13 10:32:07



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	121.5485	23.11	12.65	35.76	43.50	-7.74	QP	200	124	P	
2	143.3260	23.98	13.98	37.96	43.50	-5.54	QP	200	204	P	
3	196.5098	24.85	11.37	36.22	43.50	-7.28	QP	200	157	P	
4	235.8163	24.51	12.89	37.40	46.00	-8.60	QP	200	57	P	
5	369.4047	17.49	16.87	34.36	46.00	-11.64	QP	200	268	P	
6 *	649.6596	17.62	23.70	41.32	46.00	-4.68	QP	200	247	P	

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

Above 1GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.



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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: See note Distance: 3m Humidity: 54 %RH
M/N: See note Test Engineer: Felix Pang
Test Mode: 11b 2462MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

Radiated Emission Measurement

Test Date: 2024/11/14 20:22:49



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 *	3324.750	65.53	-17.72	47.81	74.00	-26.19	peak	150	124	P	
2	7392.000	50.16	-7.70	42.46	74.00	-31.54	peak	150	120	P	
3	4750.625	53.99	-13.43	40.56	74.00	-33.44	peak	150	48	P	
4	6176.500	50.33	-10.37	39.96	74.00	-34.04	peak	150	201	P	
5	9215.250	42.62	-6.09	36.53	74.00	-37.47	peak	150	189	P	
6	10388.250	39.91	-5.10	34.81	74.00	-39.19	peak	150	234	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: See note
M/N: See note
Test Mode: 11b 2462MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 20:27:18



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	3324.750	64.55	-17.72	46.83	74.00	-27.17	peak	150	78	P	
2 *	7389.875	54.56	-7.70	46.86	74.00	-27.14	peak	150	54	P	
3	3193.000	59.69	-18.04	41.65	74.00	-32.35	peak	150	124	P	
4	3800.750	54.14	-16.58	37.56	74.00	-36.44	peak	150	135	P	
5	4750.625	53.33	-14.18	39.15	74.00	-34.85	peak	150	207	P	
6	8261.125	44.75	-6.91	37.84	74.00	-36.16	peak	150	98	P	

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

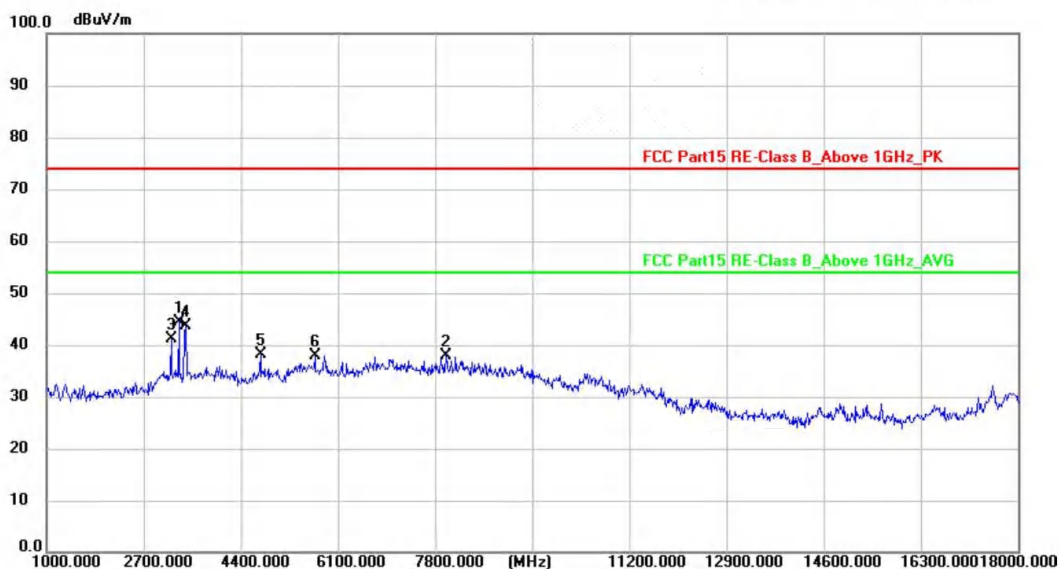


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11g 2412MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:32:01



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 *	3324.750	62.02	-17.72	44.30	74.00	-29.70	peak	150	124	P	
2	7999.750	44.96	-7.16	37.80	74.00	-36.20	peak	150	24	P	
3	3186.625	59.31	-18.07	41.24	74.00	-32.76	peak	150	78	P	
4	3437.375	61.09	-17.45	43.64	74.00	-30.36	peak	150	109	P	
5	4750.625	52.37	-14.18	38.19	74.00	-35.81	peak	150	207	P	
6	5702.625	49.66	-11.66	38.00	74.00	-36.00	peak	150	324	P	

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



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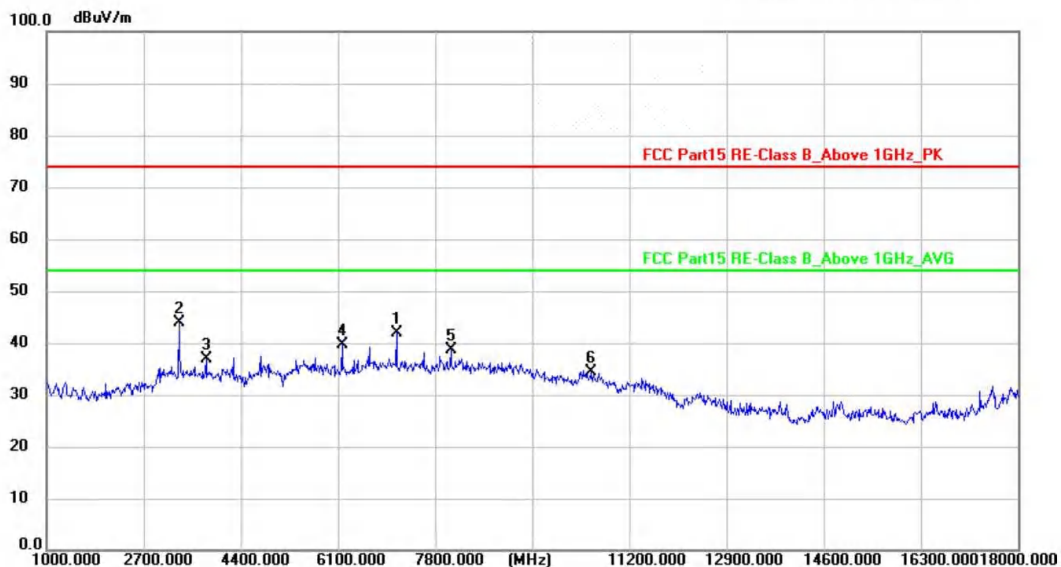
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11g 2412MHz(Ant 1)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 20:36:27



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	7128.500	49.91	-7.94	41.97	74.00	-32.03	peak	150	70	P	
2 *	3326.875	61.63	-17.72	43.91	74.00	-30.09	peak	150	102	P	
3	3800.750	53.51	-16.58	36.93	74.00	-37.07	peak	150	124	P	
4	6176.500	50.03	-10.37	39.66	74.00	-34.34	peak	150	201	P	
5	8078.375	45.69	-7.09	38.60	74.00	-35.40	peak	150	78	P	
6	10537.000	39.23	-4.90	34.33	74.00	-39.67	peak	150	65	P	

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

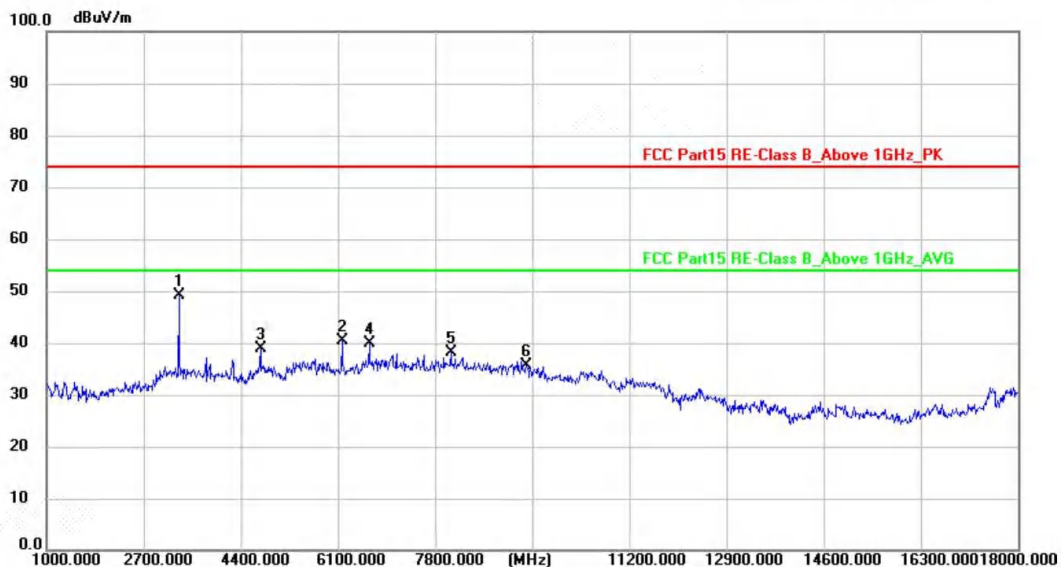


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11g 2437MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:40:26



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 *	3324.750	66.78	-17.72	49.06	74.00	-24.94	peak	150	135	P	
2	6176.500	50.86	-10.37	40.49	74.00	-33.51	peak	150	157	P	
3	4752.750	52.33	-13.43	38.90	74.00	-35.10	peak	150	221	P	
4	6652.500	48.91	-9.02	39.89	74.00	-34.11	peak	150	98	P	
5	8078.375	45.25	-7.09	38.16	74.00	-35.84	peak	150	201	P	
6	9402.250	41.66	-5.97	35.69	74.00	-38.31	peak	150	45	P	

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

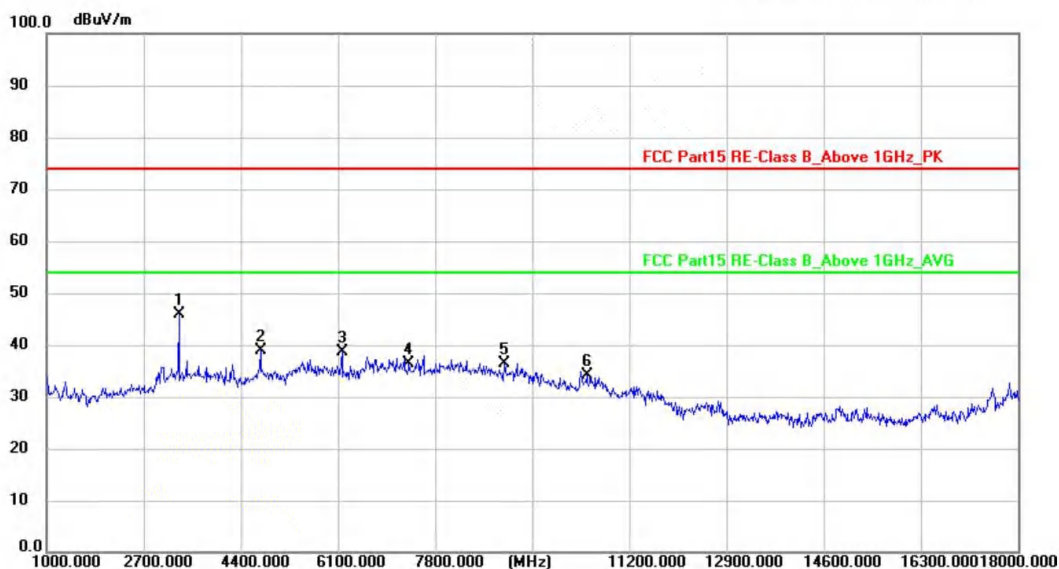


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11g 2437MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:46:54



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 *	3324.750	63.60	-17.72	45.88	74.00	-28.12	peak	150	98	P	
2	4750.625	52.98	-14.18	38.80	74.00	-35.20	peak	150	214	P	
3	6176.500	48.98	-10.37	38.61	74.00	-35.39	peak	150	147	P	
4	7349.500	44.18	-7.74	36.44	74.00	-37.56	peak	150	102	P	
5	9019.750	42.66	-6.20	36.46	74.00	-37.54	peak	150	320	P	
6	10466.875	39.07	-4.99	34.08	74.00	-39.92	peak	150	140	P	

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

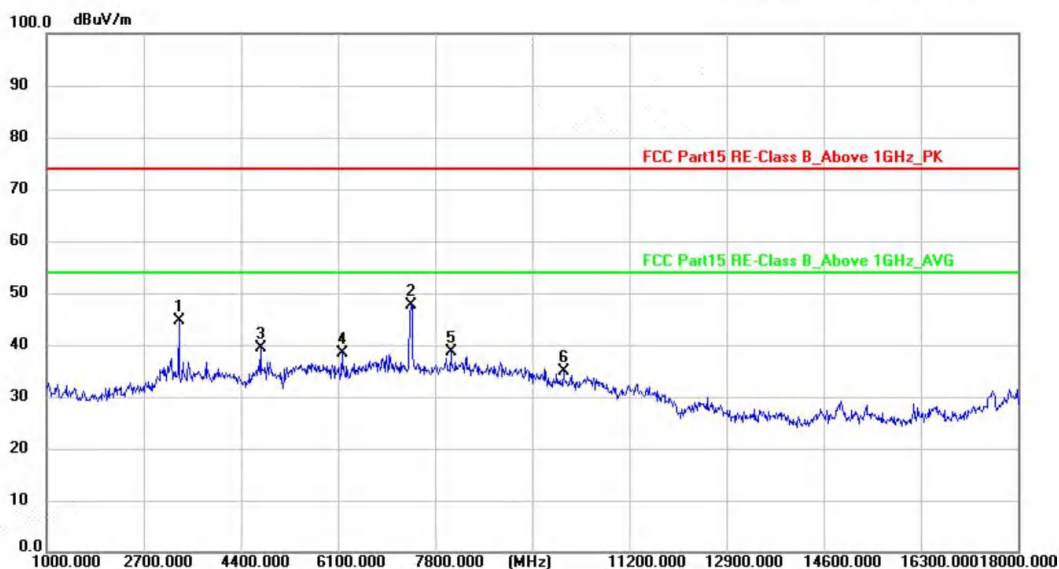


Shenzhen PSI Testing Co., Ltd.
1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11g 2462MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:51:31



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	3324.750	62.43	-17.72	44.71	74.00	-29.29	peak	150	124	P	
2 *	7387.750	55.37	-7.70	47.67	74.00	-26.33	peak	150	201	P	
3	4750.625	53.47	-14.18	39.29	74.00	-34.71	peak	150	168	P	
4	6176.500	48.71	-10.37	38.34	74.00	-35.66	peak	150	210	P	
5	8078.375	45.71	-7.09	38.62	74.00	-35.38	peak	150	302	P	
6	10058.875	40.36	-5.53	34.83	74.00	-39.17	peak	150	98	P	

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

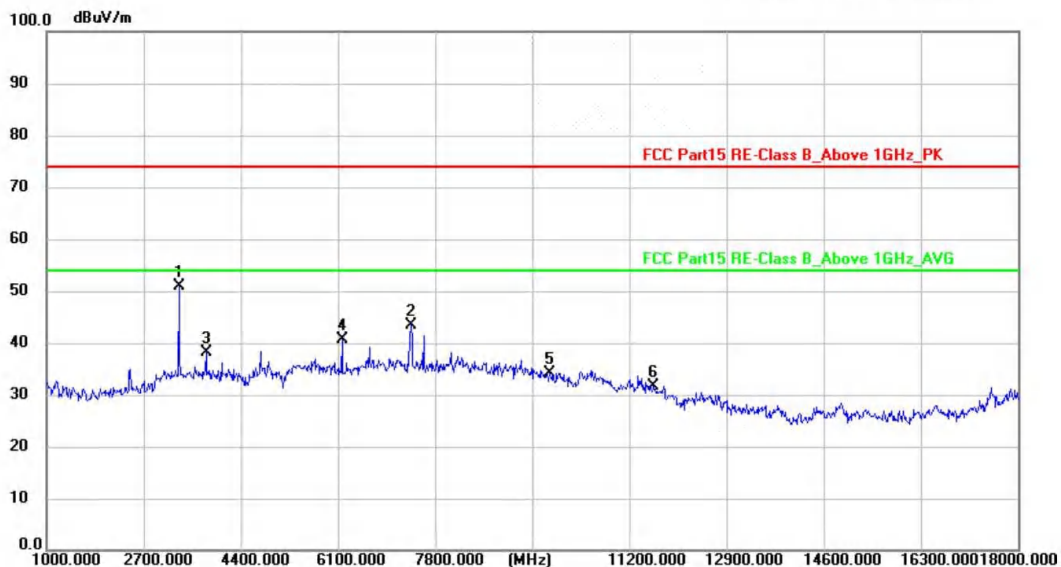


Shenzhen PSI Testing Co., Ltd.
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Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11g 2462MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:56:57



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 *	3324.750	68.71	-17.72	50.99	74.00	-23.01	peak	150	321	P	
2	7379.250	51.09	-7.72	43.37	74.00	-30.63	peak	150	45	P	
3	3800.750	54.62	-16.58	38.04	74.00	-35.96	peak	150	120	P	
4	6176.500	51.08	-10.37	40.71	74.00	-33.29	peak	150	15	P	
5	9808.125	39.84	-5.73	34.11	74.00	-39.89	peak	150	165	P	
6	11635.625	35.76	-4.24	31.52	74.00	-42.48	peak	150	48	P	

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



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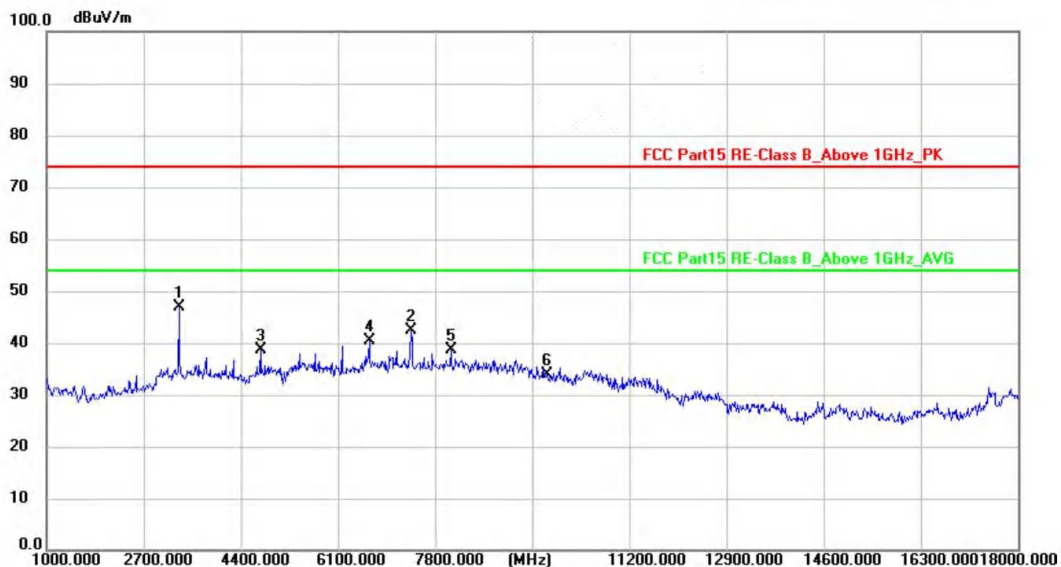
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11n20 2412MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 20:59:16



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 *	3324.750	64.54	-17.72	46.82	74.00	-27.18	peak	150	124	P	
2	7383.500	50.12	-7.71	42.41	74.00	-31.59	peak	150	257	P	
3	4750.625	52.11	-13.43	38.68	74.00	-35.32	peak	150	98	P	
4	6652.500	49.40	-9.02	40.38	74.00	-33.62	peak	150	134	P	
5	8078.375	45.67	-7.09	38.58	74.00	-35.42	peak	150	210	P	
6	9759.250	39.64	-5.76	33.88	74.00	-40.12	peak	150	274	P	

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

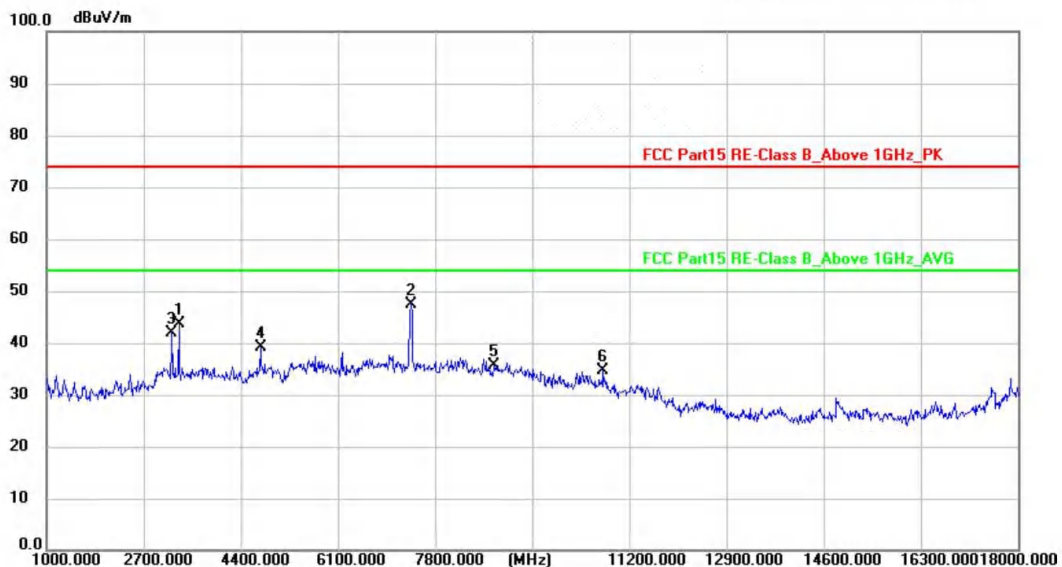


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11n20 2412MHz(MIMO)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 21:04:44



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	3324.750	61.31	-17.72	43.59	74.00	-30.41	peak	150	98	P	
2 *	7383.500	55.07	-7.71	47.36	74.00	-26.64	peak	150	52	P	
3	3193.000	59.80	-18.04	41.76	74.00	-32.24	peak	150	130	P	
4	4752.750	53.36	-14.18	39.18	74.00	-34.82	peak	150	78	P	
5	8837.000	41.93	-6.37	35.56	74.00	-38.44	peak	150	41	P	
6	10745.250	39.15	-4.64	34.51	74.00	-39.49	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
EUT: See note
M/N: See note
Test Mode: 11n20 2437MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:09:54



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	3326.875	63.96	-17.72	46.24	74.00	-27.76	peak	150	124	P	
2 *	7389.875	54.63	-7.70	46.93	74.00	-27.07	peak	150	257	P	
3	3186.625	60.04	-18.07	41.97	74.00	-32.03	peak	150	46	P	
4	4750.625	52.88	-14.18	38.70	74.00	-35.30	peak	150	98	P	
5	8898.625	41.87	-6.30	35.57	74.00	-38.43	peak	150	204	P	
6	10641.125	37.75	-4.77	32.98	74.00	-41.02	peak	150	132	P	

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



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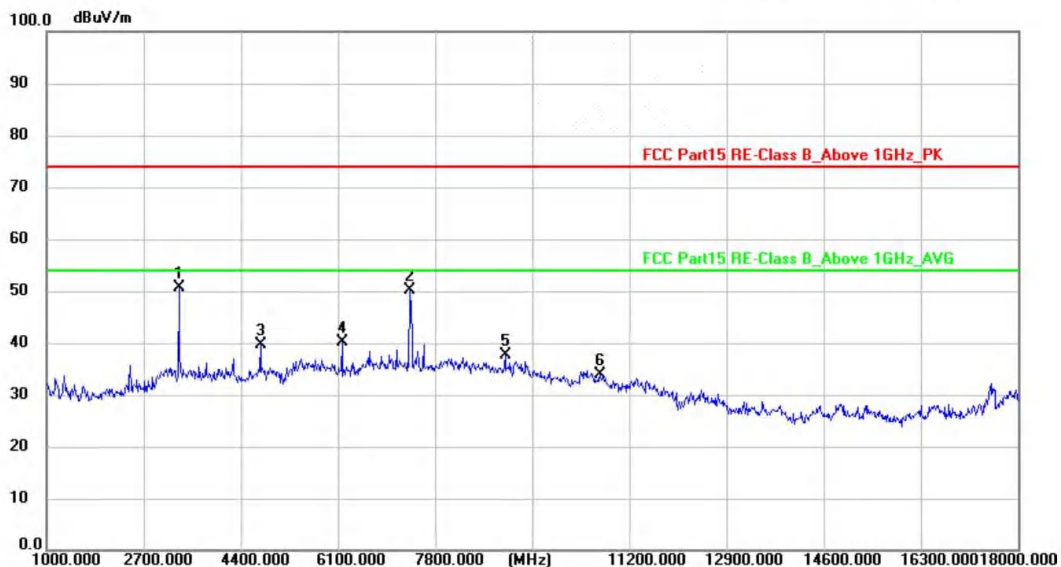
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11n20 2437MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:14:21



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 *	3324.750	68.35	-17.72	50.63	74.00	-23.37	peak	150	135	P	
2	7372.875	57.87	-7.71	50.16	74.00	-23.84	peak	150	198	P	
3	4750.625	52.94	-13.43	39.51	74.00	-34.49	peak	150	204	P	
4	6176.500	50.59	-10.37	40.22	74.00	-33.78	peak	150	325	P	
5	9034.625	43.81	-6.19	37.62	74.00	-36.38	peak	150	67	P	
6	10700.625	38.53	-4.69	33.84	74.00	-40.16	peak	150	204	P	

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



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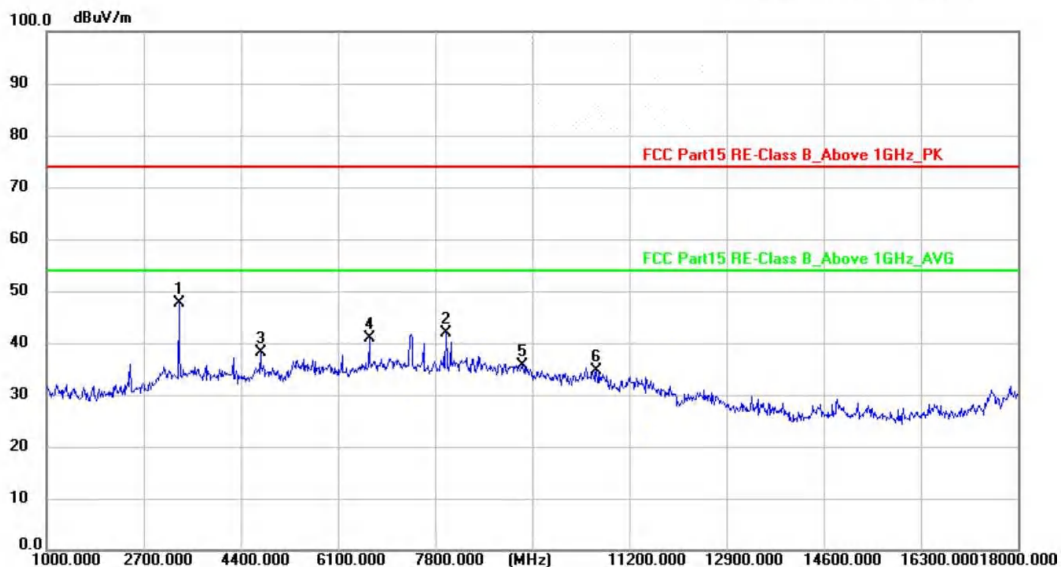
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11n20 2462MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:19:57



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 *	3326.875	65.38	-17.72	47.66	74.00	-26.34	peak	150	124	P	
2	7999.750	49.01	-7.16	41.85	74.00	-32.15	peak	150	57	P	
3	4750.625	51.65	-13.43	38.22	74.00	-35.78	peak	150	49	P	
4	6652.500	49.89	-9.02	40.87	74.00	-33.13	peak	150	98	P	
5	9336.375	41.68	-6.01	35.67	74.00	-38.33	peak	150	204	P	
6	10630.500	39.40	-4.78	34.62	74.00	-39.38	peak	150	321	P	

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

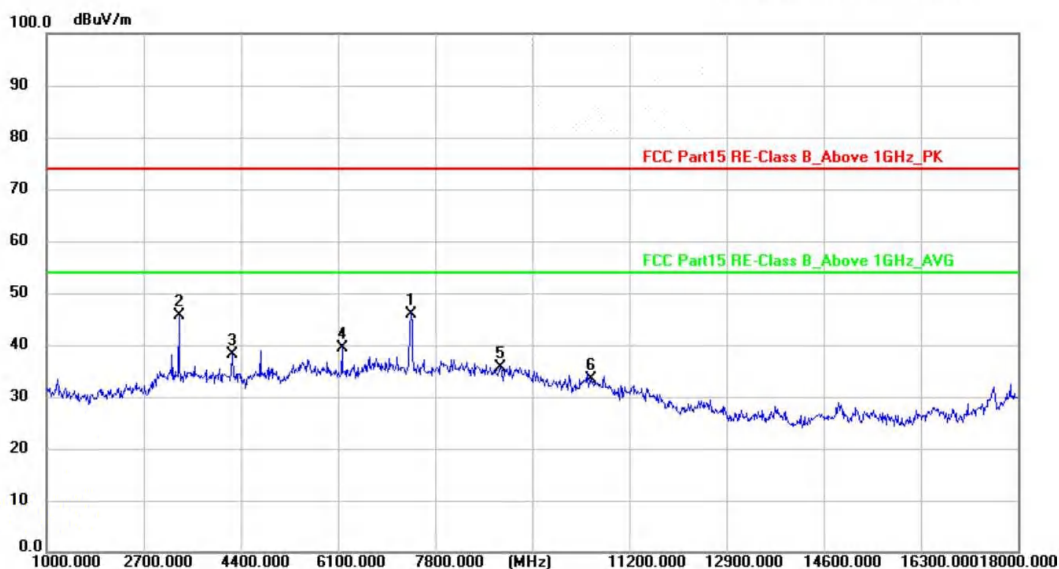


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11n20 2462MHz(MIMO)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 21:24:27



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 *	7383.500	53.59	-7.71	45.88	74.00	-28.12	peak	150	132	P	
2	3324.750	63.45	-17.72	45.73	74.00	-28.27	peak	150	201	P	
3	4257.625	53.54	-15.44	38.10	74.00	-35.90	peak	150	57	P	
4	6176.500	49.66	-10.37	39.29	74.00	-34.71	peak	150	49	P	
5	8941.125	41.79	-6.26	35.53	74.00	-38.47	peak	150	62	P	
6	10526.375	38.41	-4.91	33.50	74.00	-40.50	peak	150	157	P	

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



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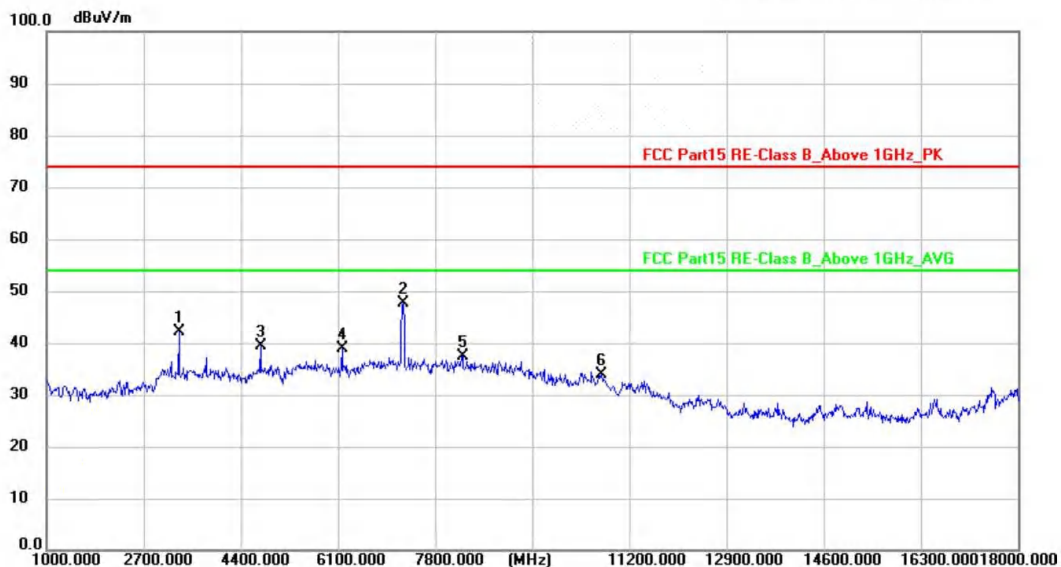
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11ax20 2412MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:29:05



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	3326.875	59.75	-17.72	42.03	74.00	-31.97	peak	150	124	P	
2 *	7245.375	55.56	-7.83	47.73	74.00	-26.27	peak	150	78	P	
3	4750.625	53.55	-14.18	39.37	74.00	-34.63	peak	150	241	P	
4	6176.500	49.17	-10.37	38.80	74.00	-35.20	peak	150	167	P	
5	8276.000	44.38	-6.90	37.48	74.00	-36.52	peak	150	209	P	
6	10715.500	38.63	-4.68	33.95	74.00	-40.05	peak	150	217	P	

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



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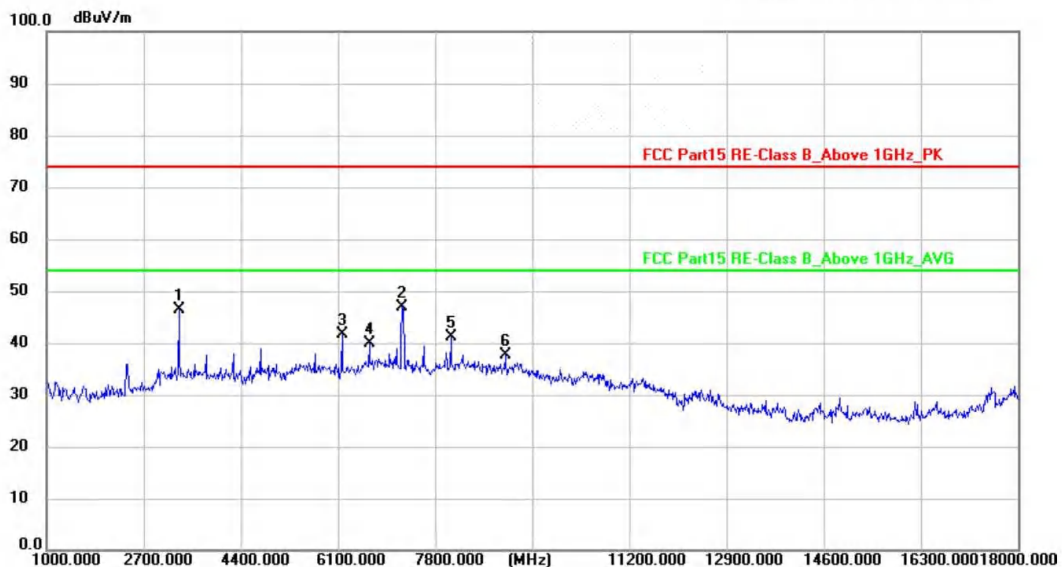
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11ax20 2412MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:34:30



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	3324.750	64.06	-17.72	46.34	74.00	-27.66	peak	150	135	P	
2 *	7228.375	54.64	-7.85	46.79	74.00	-27.21	peak	150	241	P	
3	6176.500	51.92	-10.37	41.55	74.00	-32.45	peak	150	98	P	
4	6652.500	48.88	-9.02	39.86	74.00	-34.14	peak	150	106	P	
5	8078.375	48.27	-7.09	41.18	74.00	-32.82	peak	150	24	P	
6	9030.375	43.90	-6.19	37.71	74.00	-36.29	peak	150	70	P	

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

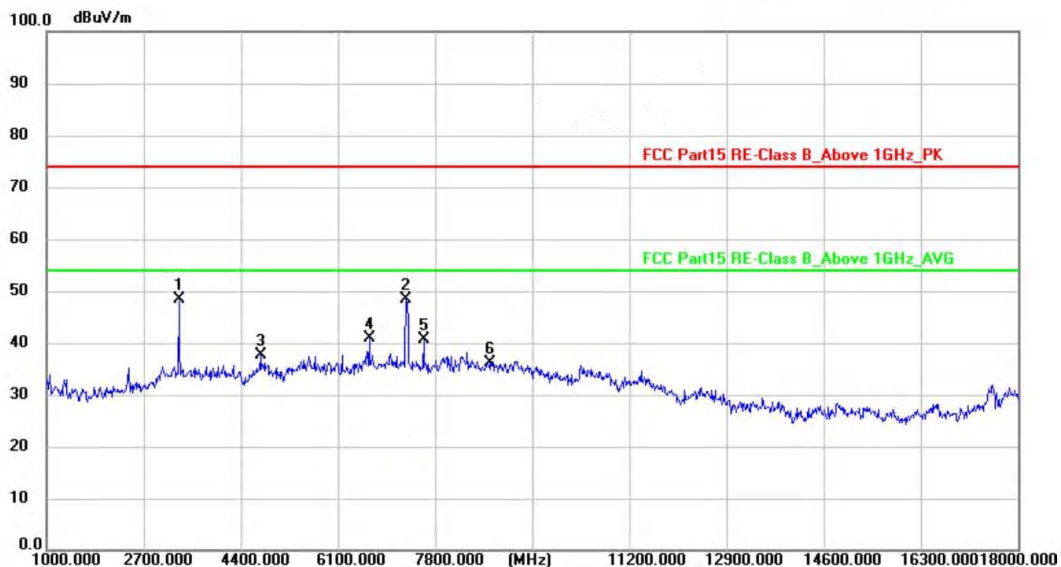


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Test Site: PSI EMC Lab-3m Chamber Polarization: **Horizontal** Temperature: 26 °C
EUT: See note Distance: 3m Humidity: 54 %RH
M/N: See note Test Engineer: Felix Pang
Test Mode: 11ax20 2437MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

Radiated Emission Measurement

Test Date: 2024/11/14 21:38:39



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	3326.875	66.01	-17.72	48.29	74.00	-25.71	peak	150	135	P	
2 *	7298.500	56.19	-7.78	48.41	74.00	-25.59	peak	150	214	P	
3	4750.625	51.01	-13.43	37.58	74.00	-36.42	peak	150	78	P	
4	6652.500	49.95	-9.02	40.93	74.00	-33.07	peak	150	90	P	
5	7602.375	48.08	-7.51	40.57	74.00	-33.43	peak	150	65	P	
6	8769.000	42.45	-6.42	36.03	74.00	-37.97	peak	150	117	P	

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



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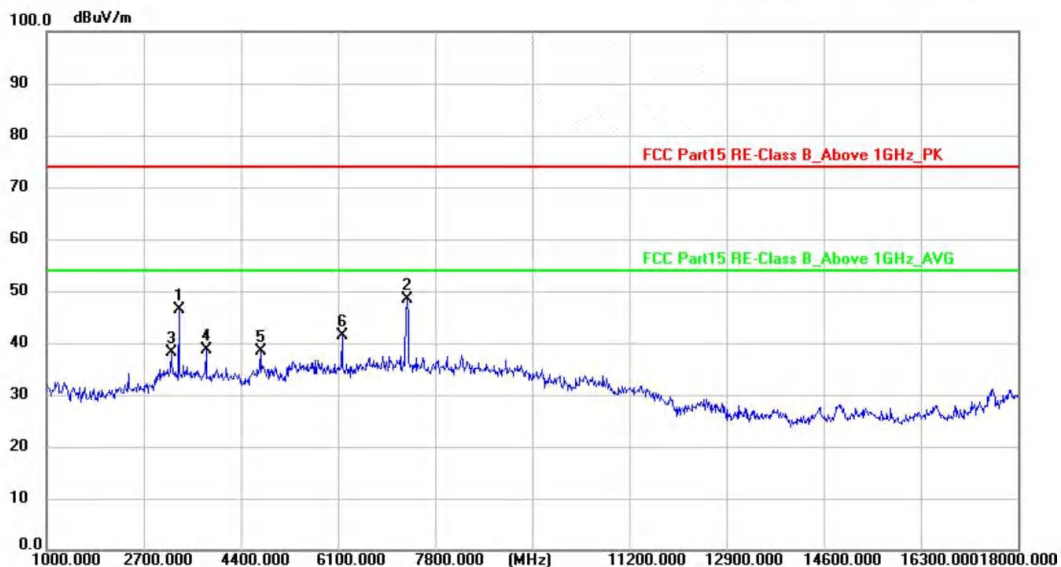
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11ax20 2437MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:42:02



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	3324.750	64.06	-17.72	46.34	74.00	-27.66	peak	150	102	P	
2 *	7321.875	56.20	-7.76	48.44	74.00	-25.56	peak	150	325	P	
3	3186.625	56.29	-18.07	38.22	74.00	-35.78	peak	150	78	P	
4	3800.750	55.14	-16.58	38.56	74.00	-35.44	peak	150	124	P	
5	4752.750	52.51	-14.18	38.33	74.00	-35.67	peak	150	268	P	
6	6176.500	51.80	-10.37	41.43	74.00	-32.57	peak	150	98	P	

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

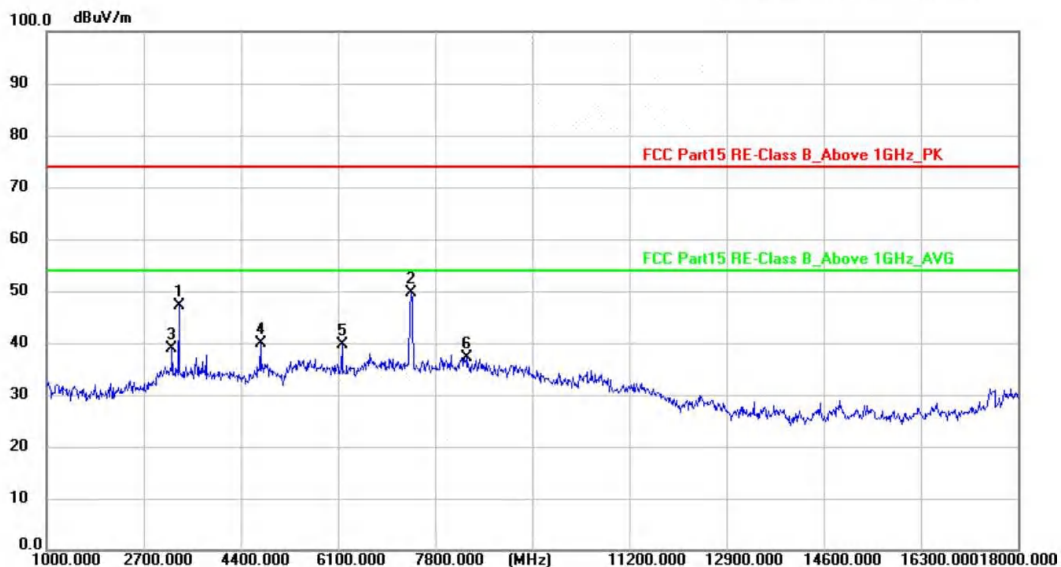


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11ax20 2462MHz(MIMO)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 21:47:42



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	3324.750	64.87	-17.72	47.15	74.00	-26.85	peak	150	168	P	
2 *	7387.750	57.25	-7.70	49.55	74.00	-24.45	peak	150	204	P	
3	3197.250	56.91	-18.03	38.88	74.00	-35.12	peak	150	157	P	
4	4750.625	54.08	-14.18	39.90	74.00	-34.10	peak	150	65	P	
5	6176.500	50.06	-10.37	39.69	74.00	-34.31	peak	150	247	P	
6	8352.500	44.04	-6.83	37.21	74.00	-36.79	peak	150	109	P	

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



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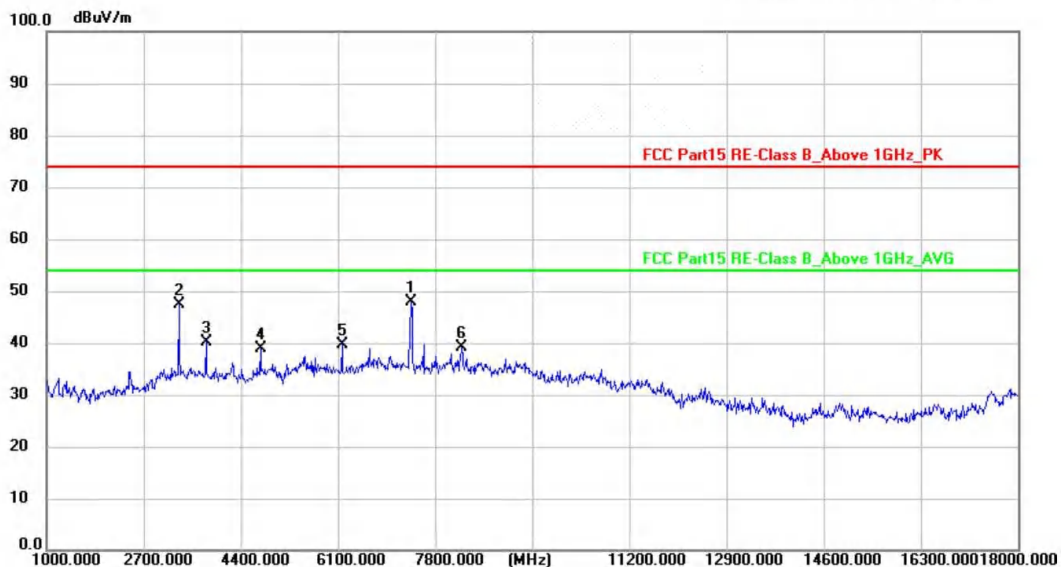
Test Site: PSI EMC Lab-3m Chamber
EUT: See note
M/N: See note
Test Mode: 11ax20 2462MHz(MIMO)
Test Voltage: DC 24V
Note: Optical 3D Measuring and Dynamic Tracking System
FreeScan Trak ProW(FreeTrakW)

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

Temperature: 26 °C
Humidity: 54 %RH

Radiated Emission Measurement

Test Date: 2024/11/14 21:52:10



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 *	7389.875	55.50	-7.70	47.80	74.00	-26.20	peak	150	124	P	
2	3324.750	64.99	-17.72	47.27	74.00	-26.73	peak	150	57	P	
3	3800.750	56.79	-16.58	40.21	74.00	-33.79	peak	150	42	P	
4	4750.625	52.34	-13.43	38.91	74.00	-35.09	peak	150	206	P	
5	6178.625	49.90	-10.36	39.54	74.00	-34.46	peak	150	258	P	
6	8265.375	45.91	-6.90	39.01	74.00	-34.99	peak	150	304	P	

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

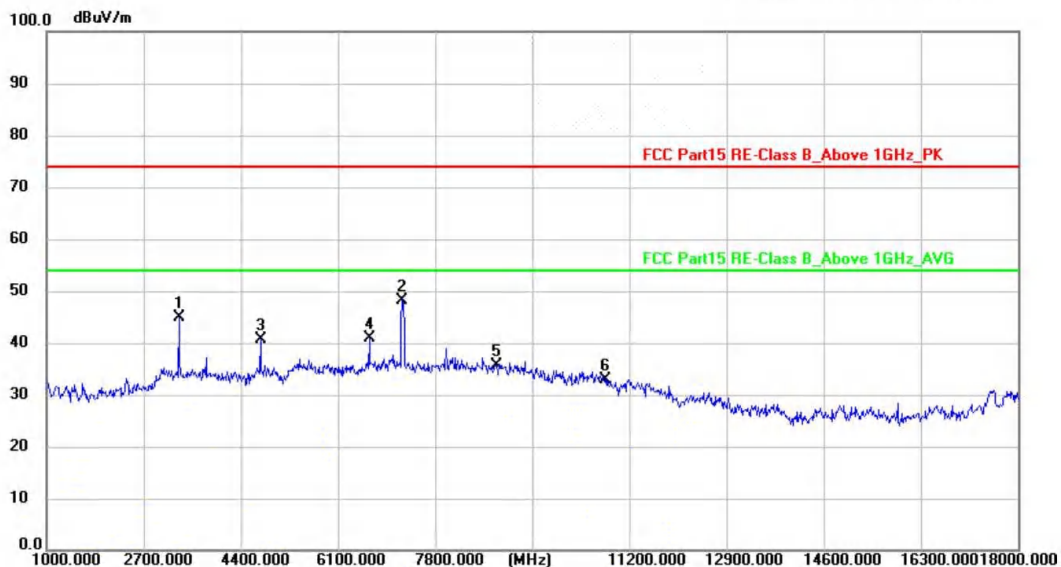


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Horizontal	Temperature: 26 °C
EUT: See note	Distance: 3m	Humidity: 54 %RH
M/N: See note	Test Engineer: Felix Pang	
Test Mode: 11b 2412MHz(Ant 1)		
Test Voltage: DC 24V		
Note: Optical 3D Measuring and Dynamic Tracking System		
FreeScan Trak ProW(FreeTrakW)		

Radiated Emission Measurement

Test Date: 2024/11/14 20:04:16



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	3324.750	62.54	-17.72	44.82	74.00	-29.18	peak	150	134	P	
2 *	7230.500	56.01	-7.85	48.16	74.00	-25.84	peak	150	110	P	
3	4750.625	54.06	-13.43	40.63	74.00	-33.37	peak	150	124	P	
4	6652.500	49.78	-9.02	40.76	74.00	-33.24	peak	150	8	P	
5	8875.250	41.98	-6.33	35.65	74.00	-38.35	peak	150	109	P	
6	10787.750	37.55	-4.57	32.98	74.00	-41.02	peak	150	244	P	

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