



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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 4/ΠDQPSK 2402MHz		
Test Voltage: DC 3.7V		
Note:		

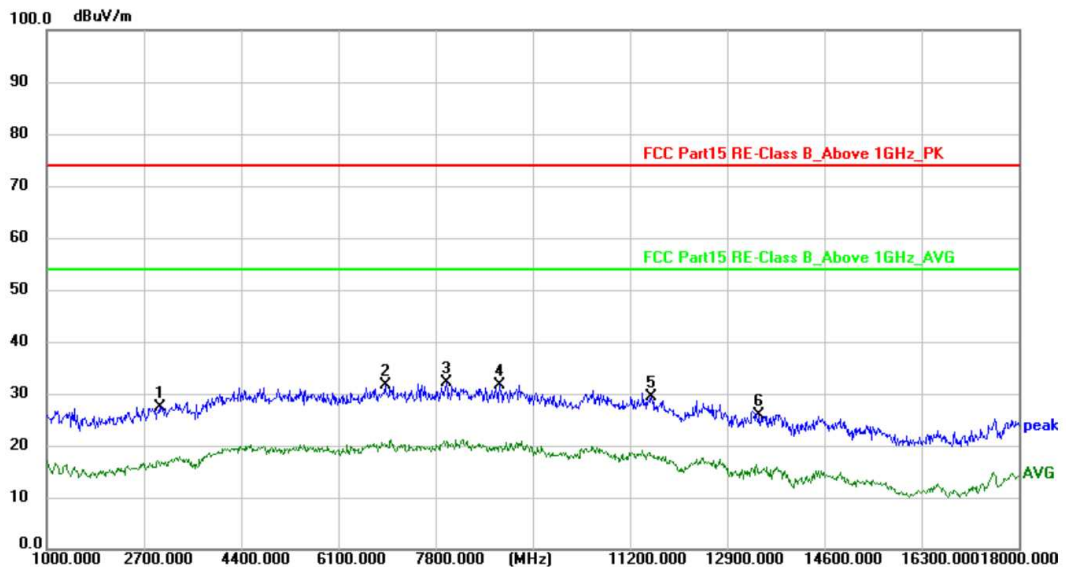
Radiated Emission Measurement

Project No.: 1-18

Data :#8

2024/7/14

11:14:33



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	2972.000	51.84	-24.34	27.50	74.00	-46.50	peak			P	
2	6916.000	45.84	-14.33	31.51	74.00	-42.49	peak			P	
3 *	7987.000	45.48	-13.24	32.24	74.00	-41.76	peak			P	
4	8922.000	44.04	-12.37	31.67	74.00	-42.33	peak			P	
5	11574.000	39.71	-10.41	29.30	74.00	-44.70	peak			P	
6	13461.000	34.62	-8.69	25.93	74.00	-48.07	peak			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: Einstar Vega
Test Mode: 4/ΠDQPSK 2441MHz
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

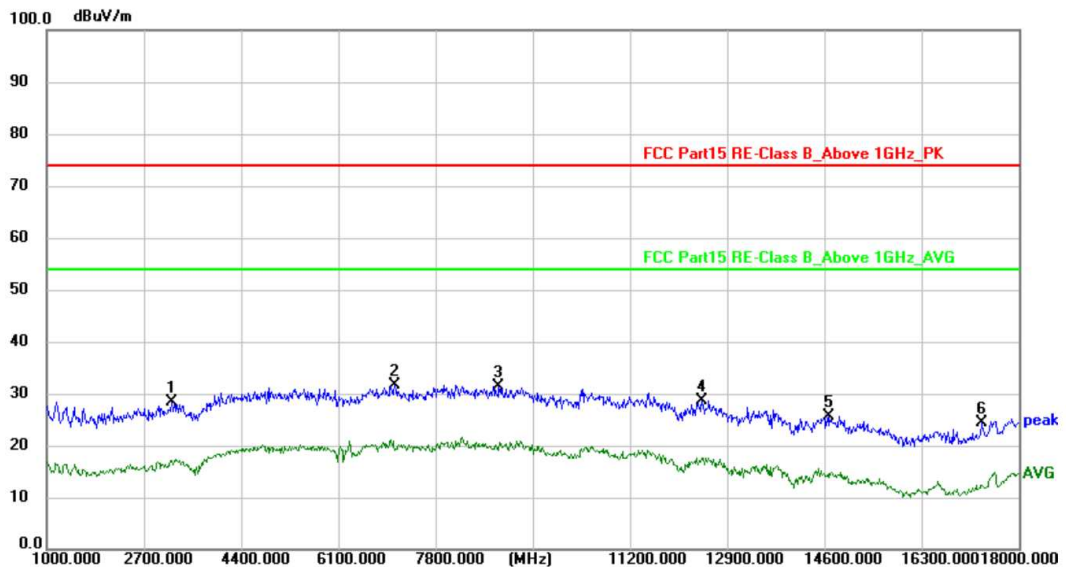
Radiated Emission Measurement

Project No.: 1-18

Data :#9

2024/7/14

11:19:07



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	3193.000	52.29	-23.81	28.48	74.00	-45.52	peak			P	
2 *	7086.000	45.53	-14.02	31.51	74.00	-42.49	peak			P	
3	8905.000	43.80	-12.38	31.42	74.00	-42.58	peak			P	
4	12458.000	38.50	-9.79	28.71	74.00	-45.29	peak			P	
5	14685.000	34.10	-8.37	25.73	74.00	-48.27	peak			P	
6	17354.000	32.33	-7.98	24.35	74.00	-49.65	peak			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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 4/ΠDQPSK 2441MHz		
Test Voltage: DC 3.7V		
Note:		

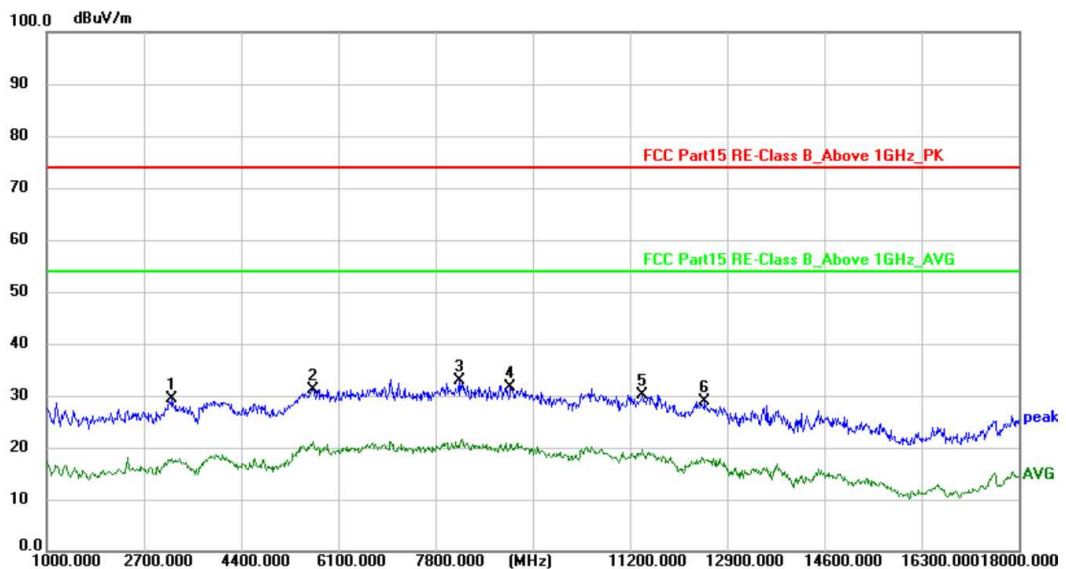
Radiated Emission Measurement

Project No.: 1-18

Data :#10

2024/7/14

11:24:09



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	3193.000	53.12	-23.81	29.31	74.00	-44.69	peak			P	
2	5658.000	52.07	-20.88	31.19	74.00	-42.81	peak			P	
3 *	8208.000	45.79	-13.03	32.76	74.00	-41.24	peak			P	
4	9109.000	43.99	-12.24	31.75	74.00	-42.25	peak			P	
5	11421.000	40.52	-10.40	30.12	74.00	-43.88	peak			P	
6	12509.000	38.70	-9.72	28.98	74.00	-45.02	peak			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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 4/ΠDQPSK 2480MHz		
Test Voltage: DC 3.7V		
Note:		

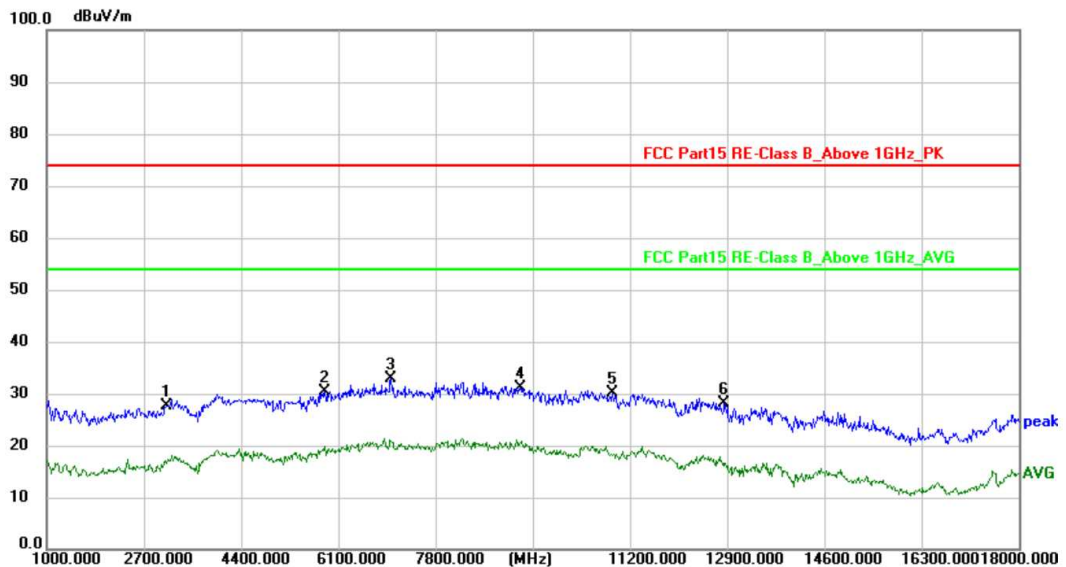
Radiated Emission Measurement

Project No.: 1-18

Data :#11

2024/7/14

11:29:55



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	3091.000	51.79	-24.04	27.75	74.00	-46.25	peak			P	
2	5862.000	48.95	-18.50	30.45	74.00	-43.55	peak			P	
3 *	7018.000	46.95	-14.08	32.87	74.00	-41.13	peak			P	
4	9279.000	43.17	-12.14	31.03	74.00	-42.97	peak			P	
5	10894.000	40.64	-10.56	30.08	74.00	-43.92	peak			P	
6	12849.000	37.46	-9.28	28.18	74.00	-45.82	peak			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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 4/ΠDQPSK 2480MHz		
Test Voltage: DC 3.7V		
Note:		

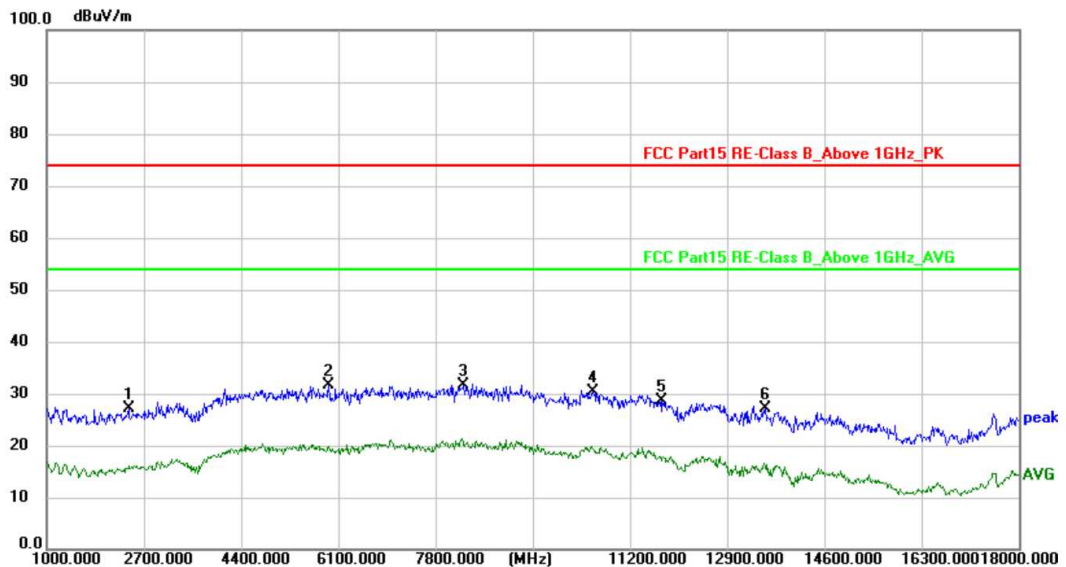
Radiated Emission Measurement

Project No.: 1-18

Data :#12

2024/7/14

11:34:08



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	2428.000	53.07	-26.00	27.07	74.00	-46.93	peak			P	
2	5930.000	48.53	-17.01	31.52	74.00	-42.48	peak			P	
3 *	8293.000	44.63	-12.96	31.67	74.00	-42.33	peak			P	
4	10554.000	41.36	-11.00	30.36	74.00	-43.64	peak			P	
5	11761.000	39.14	-10.40	28.74	74.00	-45.26	peak			P	
6	13563.000	35.70	-8.61	27.09	74.00	-46.91	peak			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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 8DPSK 2402MHz		
Test Voltage: DC 3.7V		
Note:		

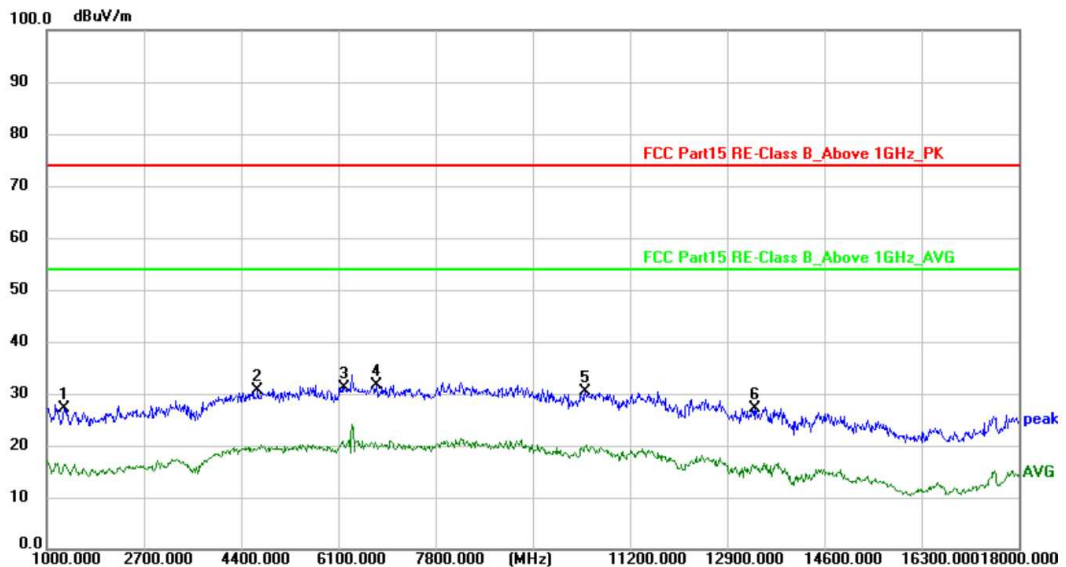
Radiated Emission Measurement

Project No.: 1-18

Data :#13

2024/7/14

11:40:23



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	1306.000	54.64	-27.53	27.11	74.00	-46.89	peak			P	
2	4689.000	50.19	-19.62	30.57	74.00	-43.43	peak			P	
3	6202.000	47.49	-16.33	31.16	74.00	-42.84	peak			P	
4 *	6763.000	46.39	-14.75	31.64	74.00	-42.36	peak			P	
5	10418.000	41.57	-11.18	30.39	74.00	-43.61	peak			P	
6	13393.000	35.93	-8.75	27.18	74.00	-46.82	peak			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: Einstar Vega
Test Mode: 8DPSK 2402MHz
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

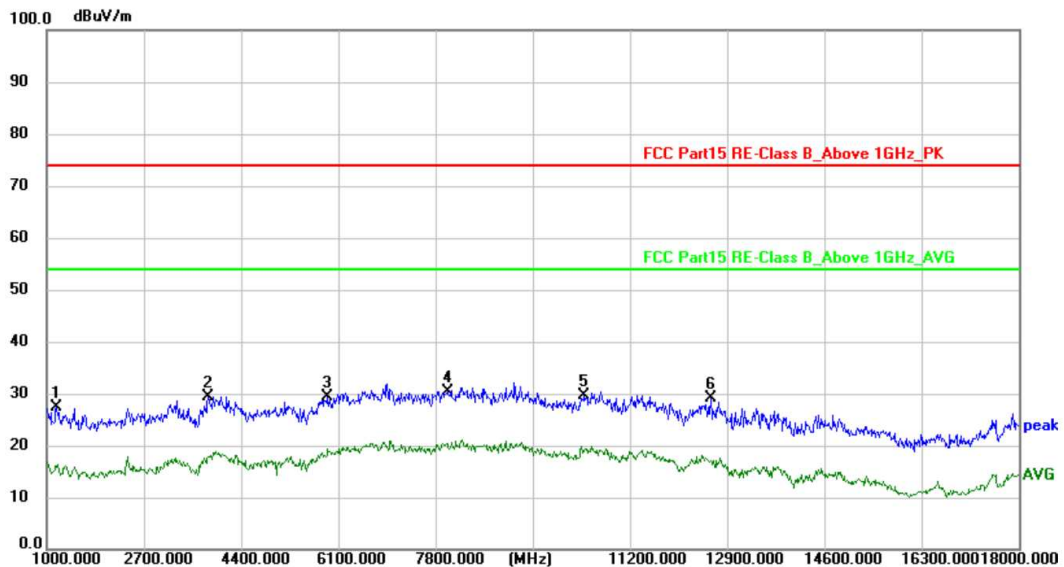
Radiated Emission Measurement

Project No.: 1-18

Data :#14

2024/7/14

11:49:06



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	1170.000	55.00	-27.56	27.44	74.00	-46.56	peak			P	
2	3822.000	51.84	-22.38	29.46	74.00	-44.54	peak			P	
3	5913.000	47.28	-17.91	29.37	74.00	-44.63	peak			P	
4 *	8004.000	43.73	-13.23	30.50	74.00	-43.50	peak			P	
5	10401.000	40.81	-11.21	29.60	74.00	-44.40	peak			P	
6	12611.000	38.73	-9.59	29.14	74.00	-44.86	peak			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: Einstar Vega
Test Mode: 8DPSK 2441MHz
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

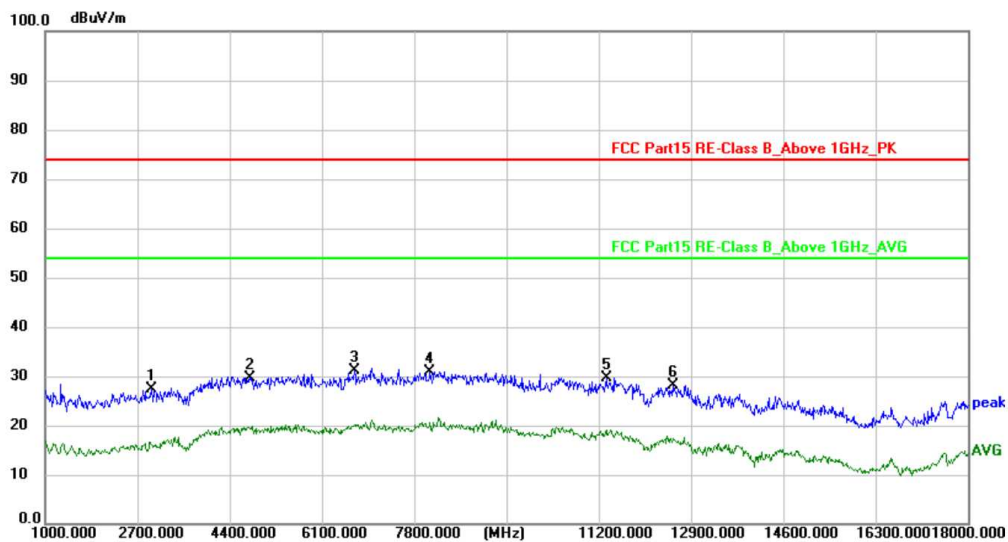
Radiated Emission Measurement

Project No.: 1-18

Data :#15

2024/7/14

11:57:40



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	2955.000	51.75	-24.40	27.35	74.00	-46.65	peak			P	
2	4774.000	48.97	-19.32	29.65	74.00	-44.35	peak			P	
3 *	6695.000	46.00	-14.94	31.06	74.00	-42.94	peak			P	
4	8089.000	44.05	-13.14	30.91	74.00	-43.09	peak			P	
5	11336.000	40.13	-10.41	29.72	74.00	-44.28	peak			P	
6	12560.000	37.73	-9.66	28.07	74.00	-45.93	peak			P	

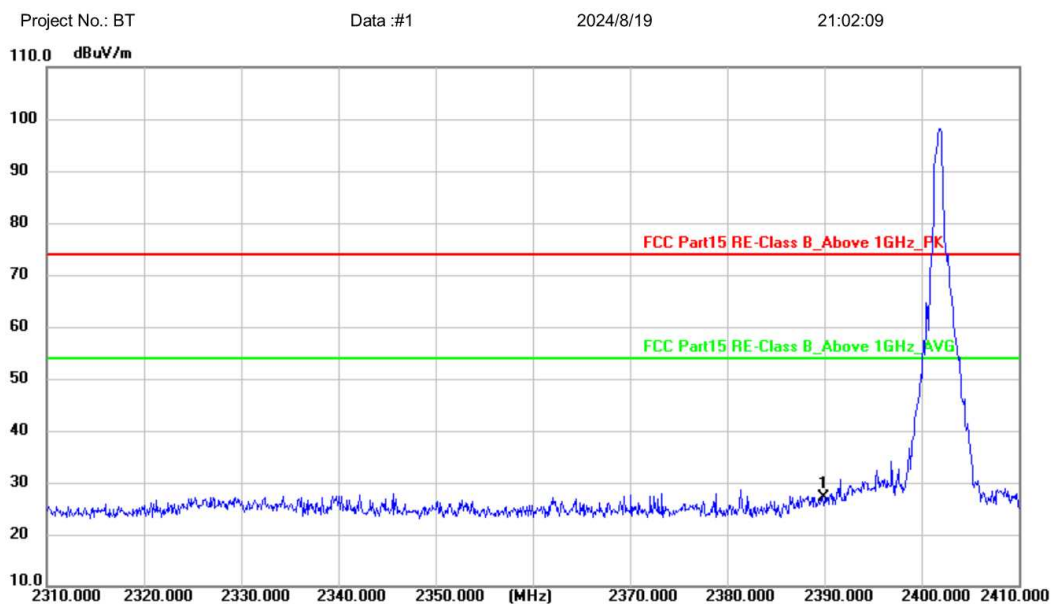
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 8DPSK 2402MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement



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	53.32	-26.12	27.20	74.00	-46.80	peak			P	

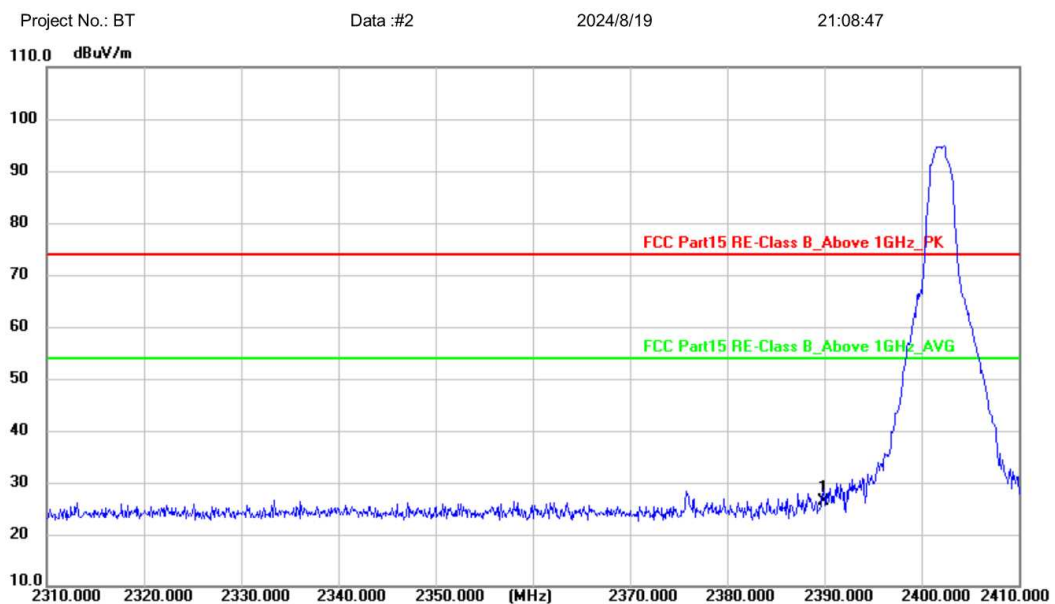
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 8DPSK 2402MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement



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	52.48	-26.12	26.36	74.00	-47.64	peak			P	

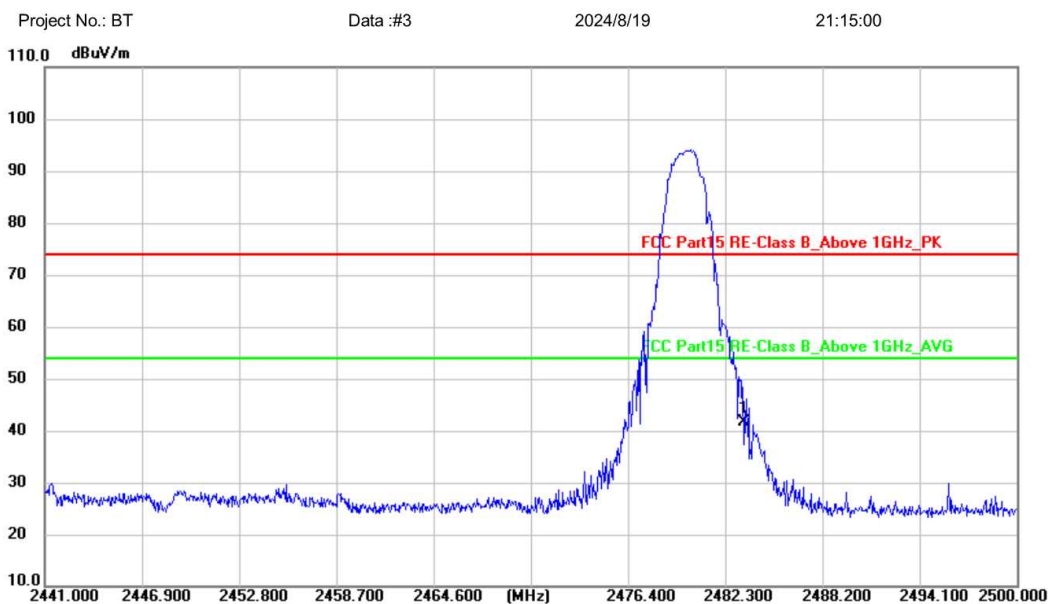
Note: *:Maximum data x:Over limit !:over margin Level = Reading + Factor Margin = Level - Limit



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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: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 8DPSK 2480MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement



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	67.41	-25.84	41.57	74.00	-32.43	peak			P	

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

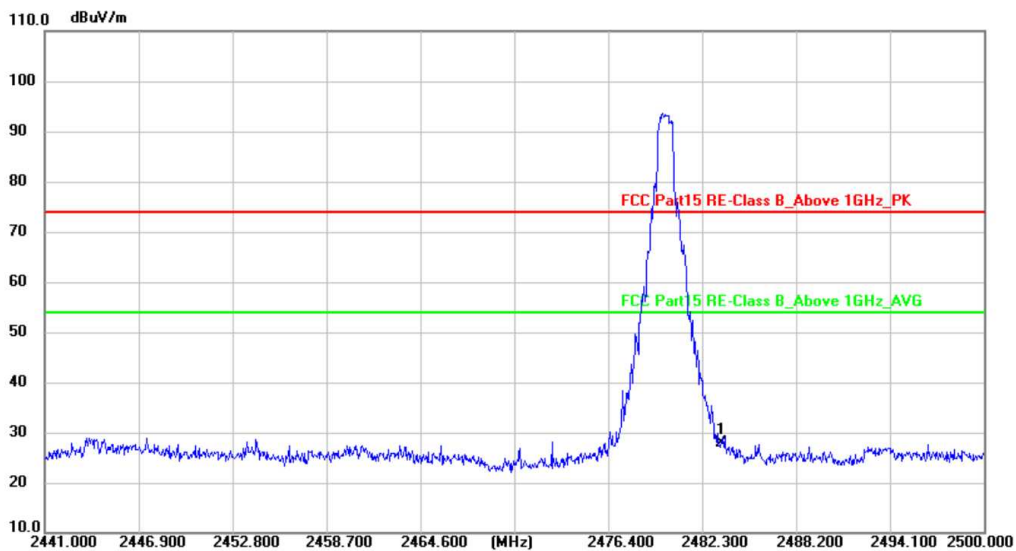


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Test Site: PSI EMC Lab-3m Chamber	Polarization: Vertical	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: 8DPSK 2480MHz		
Test Voltage: DC 3.7V		
Note:		

Radiated Emission Measurement

Project No.: BT Data :#4 2024/8/19 21:21:36



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 *	2483.500	53.81	-25.84	27.97	74.00	-46.03	peak			P	

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

Appendix B.2: Test Results of Conducted Emission on AC Mains

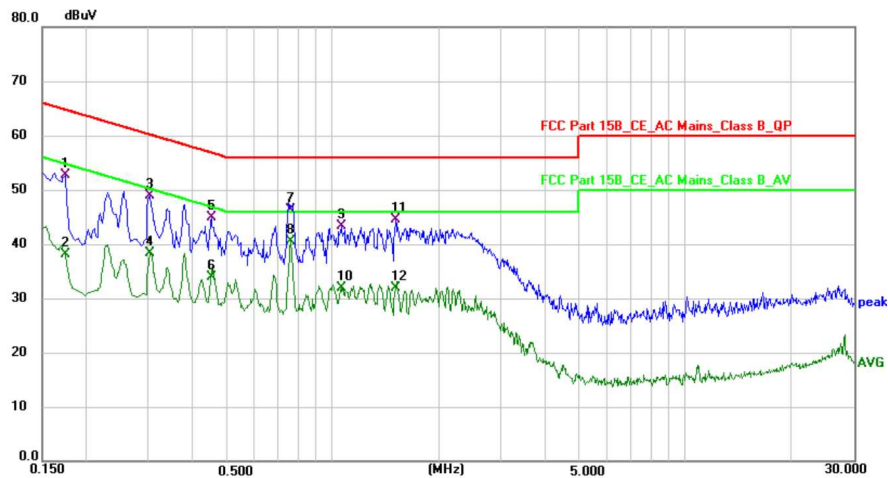


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1-2F, Building 5, Yudafu Industrial Park, No. 10, Xingye West Road,
Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Test Site: PSI EMC Lab-Shielded Room Phase: **L1** Temperature: 26 °C
EUT: 3D Scanner Humidity: 54 %RH
M/N: Einstar Vega Test Engineer: Felix Pang
Test Mode: Fast Mode+2.4G Wi-Fi +BT Link+Charging
Test Voltage: AC 120V/60Hz
Note:

Conducted Emission Measurement

Test Date: 2024/7/11 14:35:45



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1740	42.85	9.94	52.79	64.77	-11.98	QP	P	
2	0.1740	28.15	9.94	38.09	54.77	-16.68	AVG	P	
3	0.3020	38.95	9.98	48.93	60.19	-11.26	QP	P	
4	0.3020	28.25	9.98	38.23	50.19	-11.96	AVG	P	
5	0.4500	35.23	9.76	44.99	56.88	-11.89	QP	P	
6	0.4500	24.05	9.76	33.81	46.88	-13.07	AVG	P	
7	0.7620	36.95	9.43	46.38	56.00	-9.62	QP	P	
8 *	0.7620	31.09	9.43	40.52	46.00	-5.48	AVG	P	
9	1.0580	33.85	9.41	43.26	56.00	-12.74	QP	P	
10	1.0580	22.44	9.41	31.85	46.00	-14.15	AVG	P	
11	1.5100	35.18	9.40	44.58	56.00	-11.42	QP	P	
12	1.5100	22.59	9.40	31.99	46.00	-14.01	AVG	P	

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

File: CE\Data :#9

Page: 1

Engineer Signature:



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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-Shielded Room

Phase: **N**

Temperature: 26 °C

EUT: 3D Scanner

Humidity: 54 %RH

M/N: Einstar Vega

Test Engineer: Felix Pang

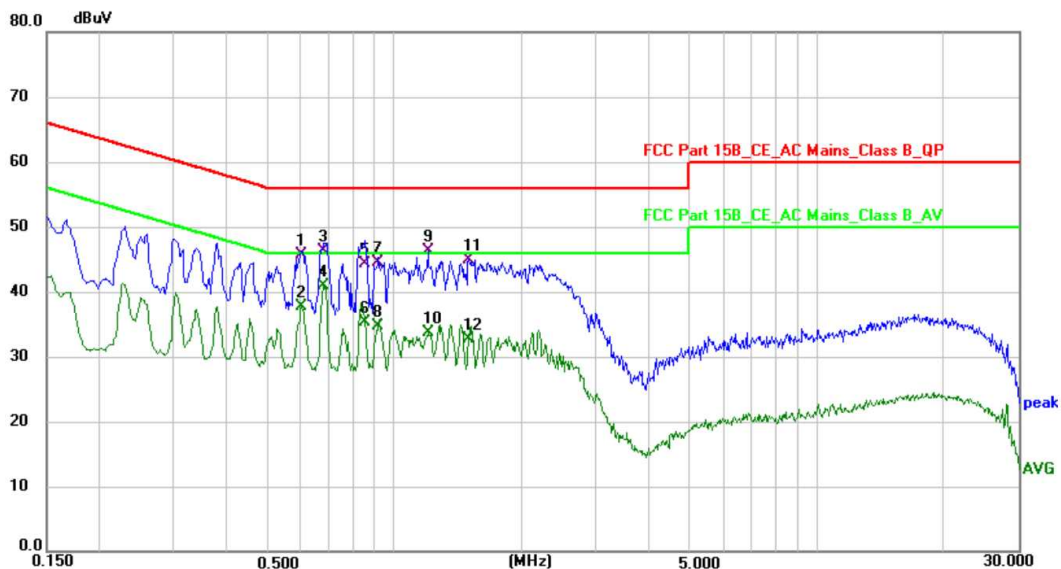
Test Mode: Fast Mode+2.4G Wi-Fi +BT Link+Charging

Test Voltage: AC 120V/60Hz

Note:

Conducted Emission Measurement

Test Date: 2024/7/11 14:42:51



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.6020	35.85	9.78	45.63	56.00	-10.37	QP	P	
2	0.6020	27.96	9.78	37.74	46.00	-8.26	AVG	P	
3	0.6820	36.55	9.78	46.33	56.00	-9.67	QP	P	
4 *	0.6820	31.20	9.78	40.98	46.00	-5.02	AVG	P	
5	0.8500	34.72	9.64	44.36	56.00	-11.64	QP	P	
6	0.8500	25.63	9.64	35.27	46.00	-10.73	AVG	P	
7	0.9180	34.94	9.58	44.52	56.00	-11.48	QP	P	
8	0.9180	25.17	9.58	34.75	46.00	-11.25	AVG	P	
9	1.1980	36.78	9.46	46.24	56.00	-9.76	QP	P	
10	1.1980	24.24	9.46	33.70	46.00	-12.30	AVG	P	
11	1.5020	35.44	9.38	44.82	56.00	-11.18	QP	P	
12	1.5020	23.38	9.38	32.76	46.00	-13.24	AVG	P	

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