

Appendix B: Test Results of 2.4GHz Wi-Fi

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Appendix B.1: 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.

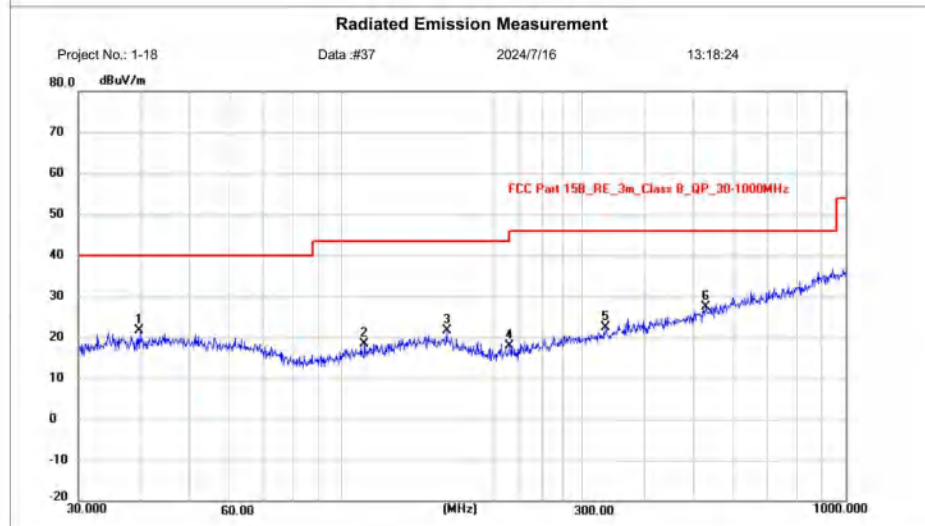
Note 3: All modes and ports tested, only the worst-case reported.

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: **Horizontal** Temperature: 26 °C
EUT: 3D Scanner Distance: 3m Humidity: 54 %RH
M/N: Einstar Vega Test Engineer: Felix Pang
Test Mode: AX20 2412MHz MIMO
Test Voltage: DC 3.7V
Note:



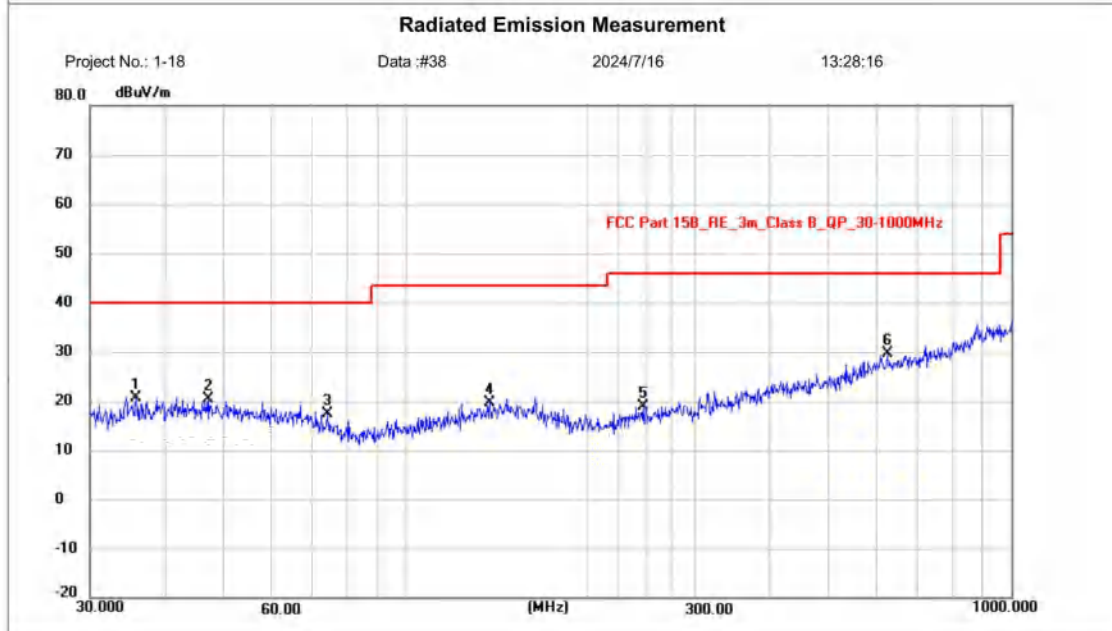
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	39.7146	7.20	14.53	21.73	40.00	-18.27	peak			P	
2	110.9570	6.79	11.67	18.46	43.50	-25.04	peak			P	
3	161.4740	7.45	14.20	21.65	43.50	-21.85	peak			P	
4	215.2675	6.19	11.72	17.91	43.50	-25.59	peak			P	
5	333.6865	6.42	15.85	22.27	46.00	-23.73	peak			P	
6	528.2458	6.33	20.93	27.26	46.00	-18.74	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: AX20 2412MHz MIMO		
Test Voltage: DC 3.7V		
Note:		



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	35.7490	6.74	13.94	20.68	40.00	-19.32	peak			P	
2	47.1597	6.21	14.26	20.47	40.00	-19.53	peak			P	
3	74.1350	6.42	11.00	17.42	40.00	-22.58	peak			P	
4	137.4200	5.83	13.72	19.55	43.50	-23.95	peak			P	
5	245.9510	5.60	13.28	18.88	46.00	-27.12	peak			P	
6 *	625.0780	6.45	23.29	29.74	46.00	-16.26	peak			P	

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

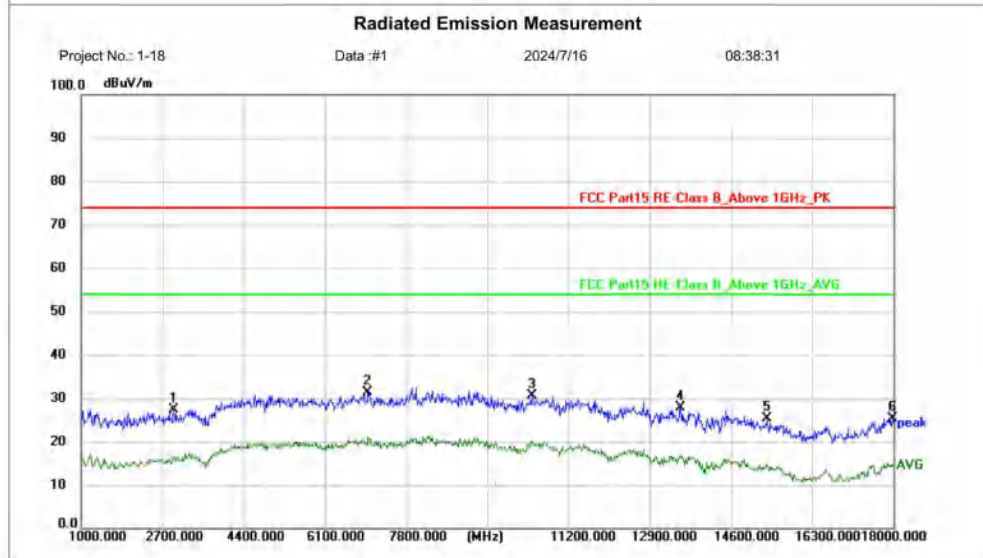
Above 1GHz

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



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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: B 2412MHz SISO		
Test Voltage:		
Note:		



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	2938.000	51.87	-24.45	27.42	74.00	-46.58	peak			P	
2 *	7001.000	45.42	-14.09	31.33	74.00	-42.67	peak			P	
3	10435.000	41.91	-11.17	30.74	74.00	-43.26	peak			P	
4	13546.000	36.47	-8.63	27.84	74.00	-46.16	peak			P	
5	15348.000	34.15	-8.75	25.40	74.00	-48.60	peak			P	
6	17983.000	31.26	-5.85	25.41	74.00	-48.59	peak			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,
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Test Site: PSI EMC Lab-3m Chamber
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: B 2412MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

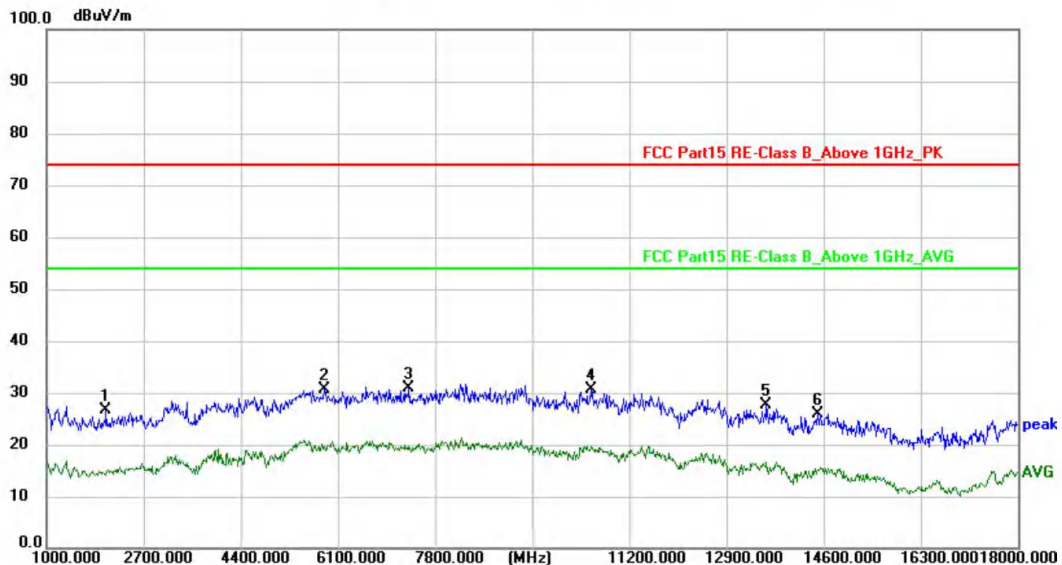
Radiated Emission Measurement

Project No.: 1-18

Data :#2

2024/7/16

08:43:57



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	2037.000	53.75	-27.18	26.57	74.00	-47.43	peak			P	
2	5862.000	49.16	-18.50	30.66	74.00	-43.34	peak			P	
3 *	7341.000	44.61	-13.80	30.81	74.00	-43.19	peak			P	
4	10520.000	41.73	-11.05	30.68	74.00	-43.32	peak			P	
5	13597.000	36.32	-8.58	27.74	74.00	-46.26	peak			P	
6	14498.000	34.34	-8.34	26.00	74.00	-48.00	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: B 2437MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

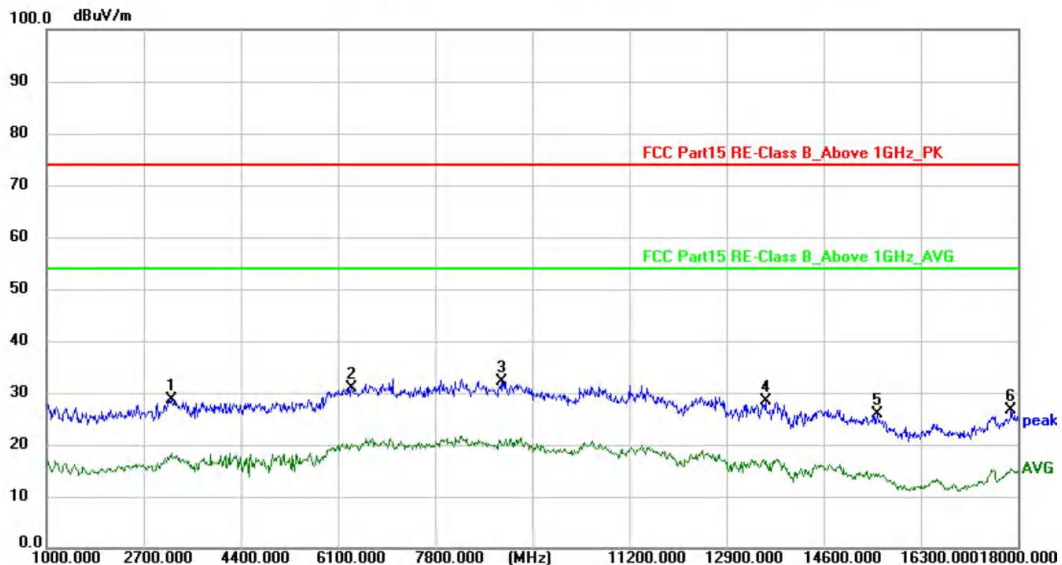
Radiated Emission Measurement

Project No.: 1-18

Data :#3

2024/7/16

08:48:55



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	3193.000	52.48	-23.81	28.67	74.00	-45.33	peak			P	
2	6338.000	46.94	-15.94	31.00	74.00	-43.00	peak			P	
3 *	8956.000	44.56	-12.34	32.22	74.00	-41.78	peak			P	
4	13580.000	36.89	-8.61	28.28	74.00	-45.72	peak			P	
5	15535.000	34.88	-8.91	25.97	74.00	-48.03	peak			P	
6	17881.000	32.83	-6.19	26.64	74.00	-47.36	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: B 2437MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

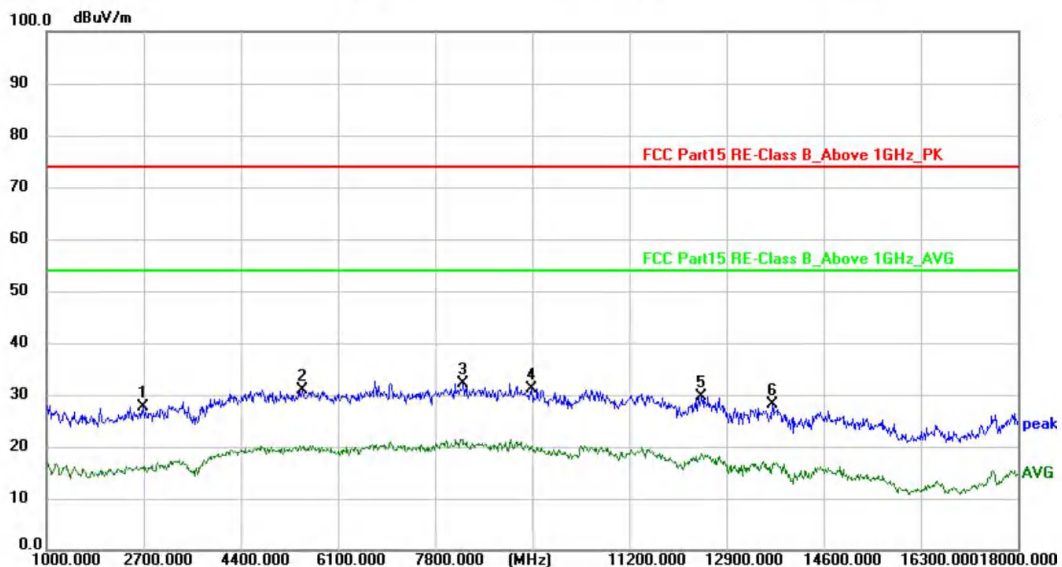
Radiated Emission Measurement

Project No.: 1-18

Data :#4

2024/7/16

08:52:48



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	2683.000	52.85	-25.22	27.63	74.00	-46.37	peak			P	
2	5471.000	48.67	-17.77	30.90	74.00	-43.10	peak			P	
3 *	8293.000	45.21	-12.96	32.25	74.00	-41.75	peak			P	
4	9483.000	43.15	-12.03	31.12	74.00	-42.88	peak			P	
5	12458.000	39.46	-9.79	29.67	74.00	-44.33	peak			P	
6	13699.000	36.53	-8.50	28.03	74.00	-45.97	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: B 2462MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

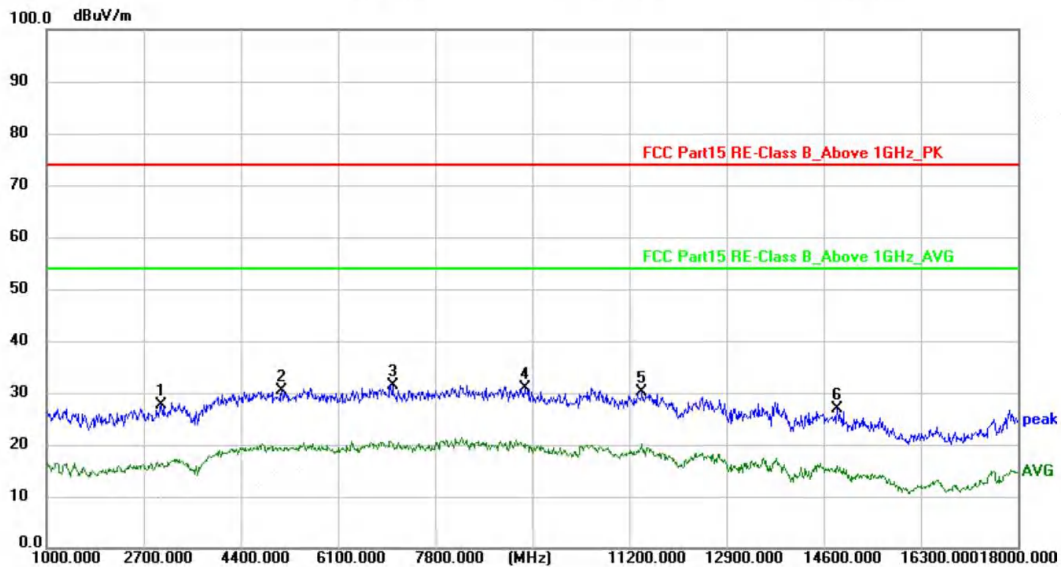
Radiated Emission Measurement

Project No.: 1-18

Data :#5

2024/7/16

09:04:55



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	3006.000	51.84	-24.25	27.59	74.00	-46.41	peak			P	
2	5114.000	48.70	-18.37	30.33	74.00	-43.67	peak			P	
3 *	7052.000	45.46	-14.05	31.41	74.00	-42.59	peak			P	
4	9364.000	42.99	-12.09	30.90	74.00	-43.10	peak			P	
5	11421.000	40.53	-10.40	30.13	74.00	-43.87	peak			P	
6	14838.000	35.32	-8.40	26.92	74.00	-47.08	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: B 2462MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

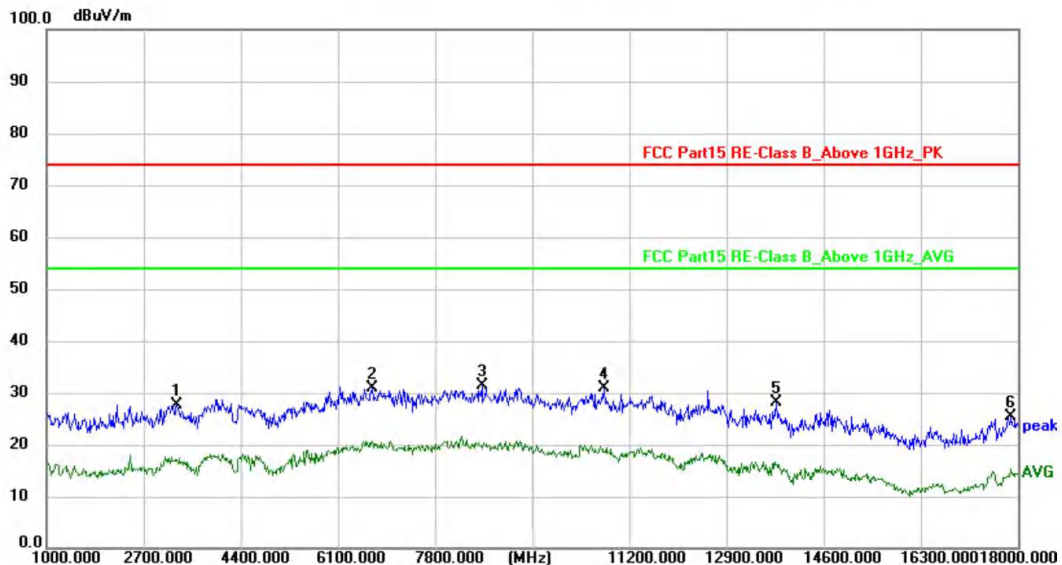
Radiated Emission Measurement

Project No.: 1-18

Data :#6

2024/7/16

09:10:21



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	3278.000	51.33	-23.62	27.71	74.00	-46.29	peak			P	
2	6695.000	45.87	-14.94	30.93	74.00	-43.07	peak			P	
3 *	8616.000	43.92	-12.66	31.26	74.00	-42.74	peak			P	
4	10758.000	41.51	-10.74	30.77	74.00	-43.23	peak			P	
5	13767.000	36.56	-8.44	28.12	74.00	-45.88	peak			P	
6	17881.000	31.48	-6.19	25.29	74.00	-48.71	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: G 2412MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

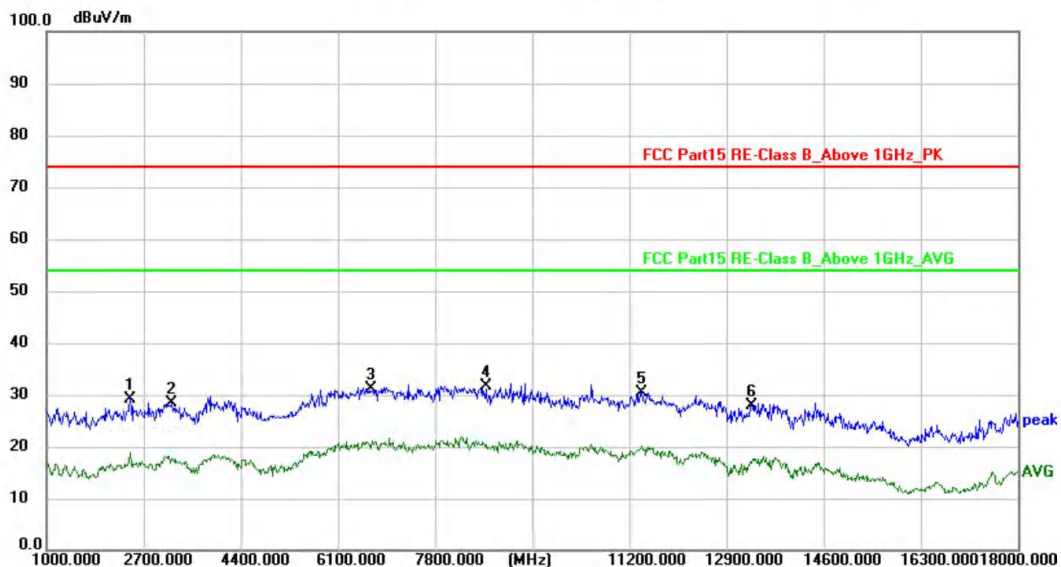
Radiated Emission Measurement

Project No.: 1-18

Data :#7

2024/7/16

09:15:28



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	2462.000	55.12	-25.90	29.22	74.00	-44.78	peak			P	
2	3193.000	52.22	-23.81	28.41	74.00	-45.59	peak			P	
3	6678.000	46.23	-15.00	31.23	74.00	-42.77	peak			P	
4 *	8684.000	44.31	-12.59	31.72	74.00	-42.28	peak			P	
5	11421.000	40.73	-10.40	30.33	74.00	-43.67	peak			P	
6	13342.000	36.68	-8.80	27.88	74.00	-46.12	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: G 2412MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

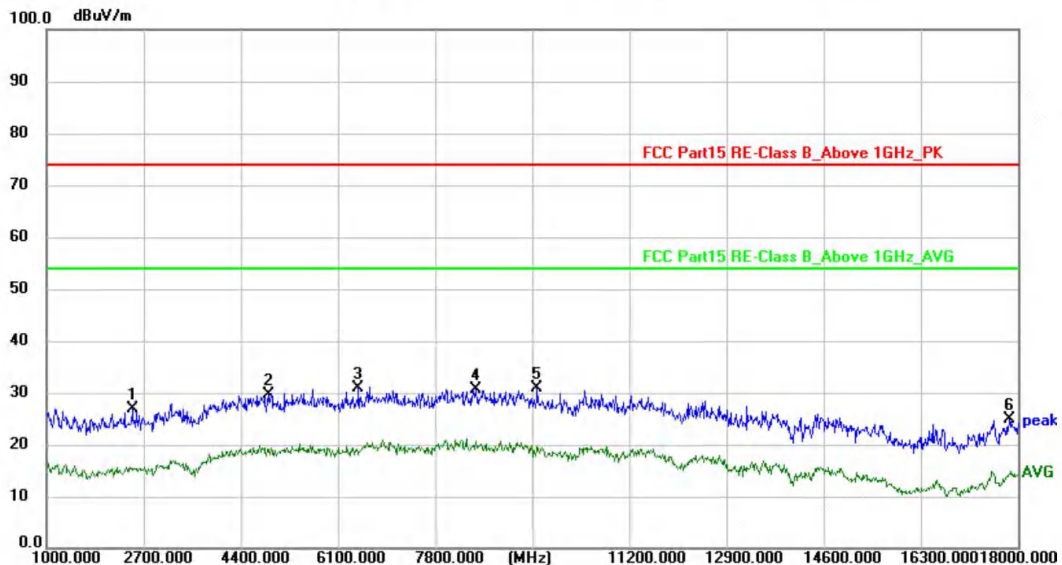
Radiated Emission Measurement

Project No.: 1-18

Data :#8

2024/7/16

09:20:49



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	2496.000	52.60	-25.79	26.81	74.00	-47.19	peak			P	
2	4876.000	48.53	-18.98	29.55	74.00	-44.45	peak			P	
3	6457.000	46.46	-15.61	30.85	74.00	-43.15	peak			P	
4	8514.000	43.50	-12.75	30.75	74.00	-43.25	peak			P	
5 *	9585.000	42.91	-11.96	30.95	74.00	-43.05	peak			P	
6	17847.000	31.14	-6.30	24.84	74.00	-49.16	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: G 2437MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

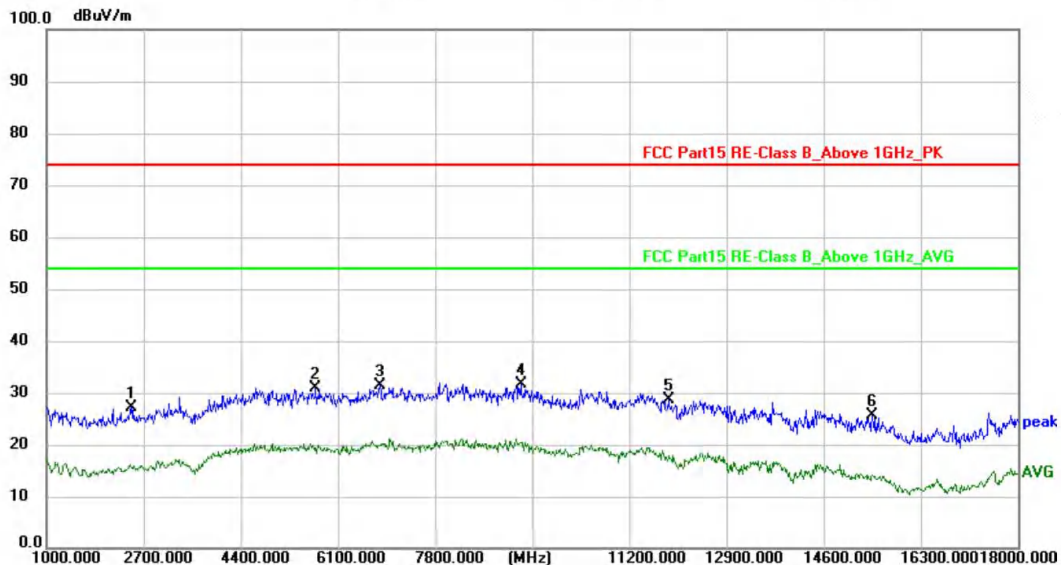
Radiated Emission Measurement

Project No.: 1-18

Data :#9

2024/7/16

09:25:17



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	2479.000	52.93	-25.84	27.09	74.00	-46.91	peak			P	
2	5709.000	48.28	-17.38	30.90	74.00	-43.10	peak			P	
3	6831.000	45.91	-14.56	31.35	74.00	-42.65	peak			P	
4 *	9296.000	43.64	-12.13	31.51	74.00	-42.49	peak			P	
5	11880.000	38.94	-10.39	28.55	74.00	-45.45	peak			P	
6	15450.000	34.55	-8.84	25.71	74.00	-48.29	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: Vertical	Temperature: 26 °C
EUT: 3D Scanner	Distance: 3m	Humidity: 54 %RH
M/N: Einstar Vega	Test Engineer: Felix Pang	
Test Mode: G 2437MHz SISO		
Test Voltage: DC 3.7V		
Note:		

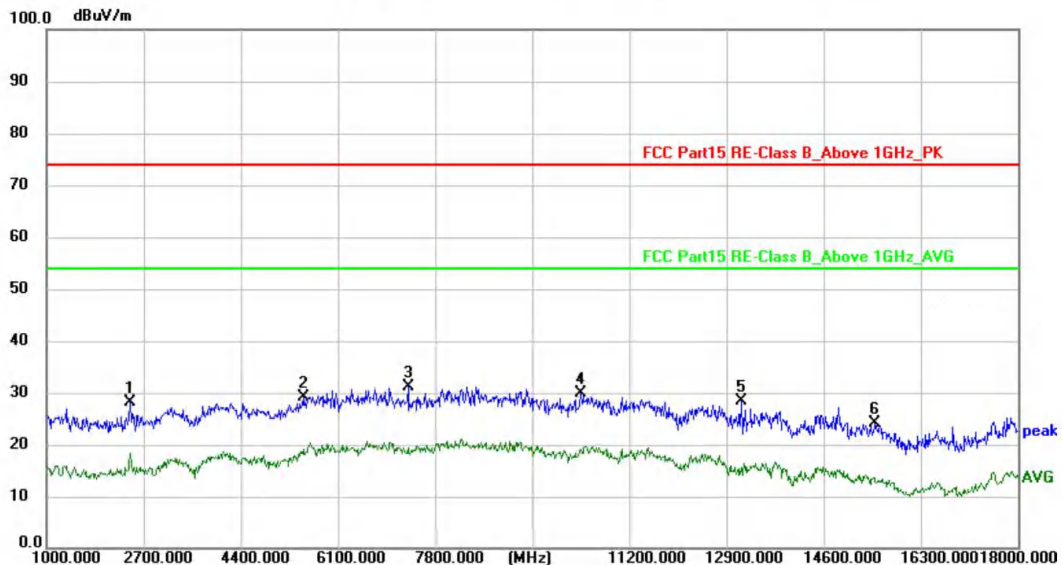
Radiated Emission Measurement

Project No.: 1-18

Data :#10

2024/7/16

09:32:43



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	2462.000	54.04	-25.90	28.14	74.00	-45.86	peak			P	
2	5488.000	52.05	-22.86	29.19	74.00	-44.81	peak			P	
3 *	7324.000	44.82	-13.81	31.01	74.00	-42.99	peak			P	
4	10350.000	41.19	-11.28	29.91	74.00	-44.09	peak			P	
5	13155.000	37.43	-8.94	28.49	74.00	-45.51	peak			P	
6	15501.000	33.08	-8.88	24.20	74.00	-49.80	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: G 2462MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

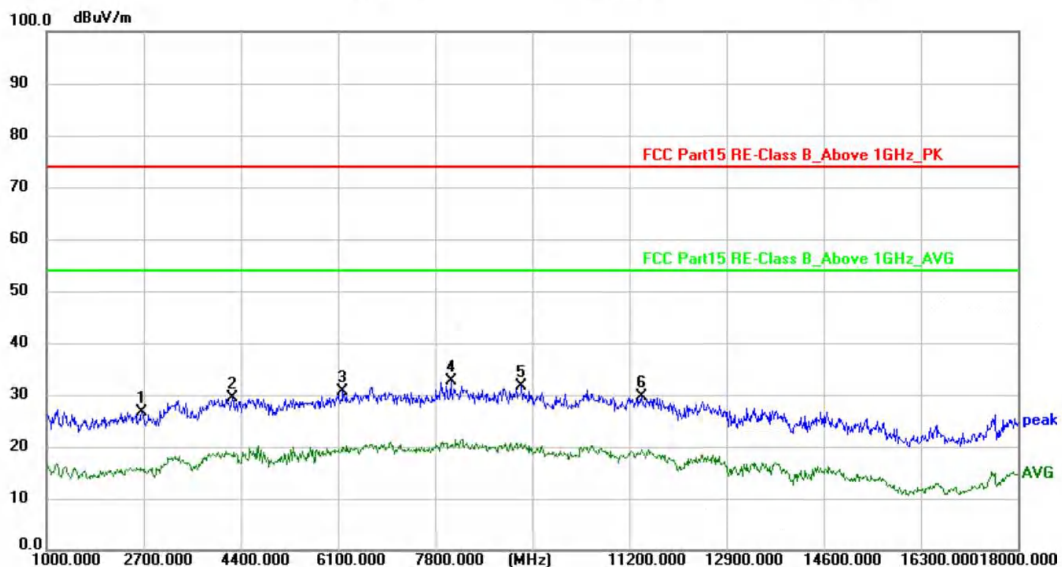
Radiated Emission Measurement

Project No.: 1-18

Data :#11

2024/7/16

09:36:17



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	2666.000	51.88	-25.28	26.60	74.00	-47.40	peak			P	
2	4247.000	53.00	-23.60	29.40	74.00	-44.60	peak			P	
3	6185.000	47.00	-16.37	30.63	74.00	-43.37	peak			P	
4 *	8072.000	45.71	-13.16	32.55	74.00	-41.45	peak			P	
5	9313.000	43.70	-12.13	31.57	74.00	-42.43	peak			P	
6	11404.000	39.98	-10.41	29.57	74.00	-44.43	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: G 2462MHz SISO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

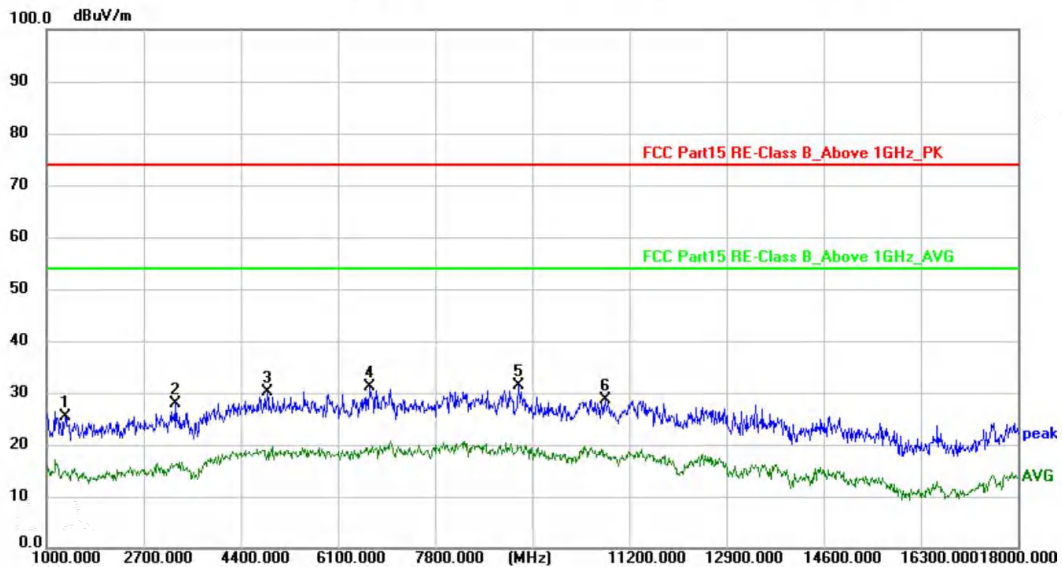
Radiated Emission Measurement

Project No.: 1-18

Data :#12

2024/7/16

09:40:44



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	1323.000	52.85	-27.52	25.33	74.00	-48.67	peak			P	
2	3261.000	51.61	-23.67	27.94	74.00	-46.06	peak			P	
3	4859.000	49.29	-19.05	30.24	74.00	-43.76	peak			P	
4	6644.000	46.30	-15.09	31.21	74.00	-42.79	peak			P	
5 *	9262.000	43.59	-12.15	31.44	74.00	-42.56	peak			P	
6	10775.000	39.40	-10.73	28.67	74.00	-45.33	peak			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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: N20 2412MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

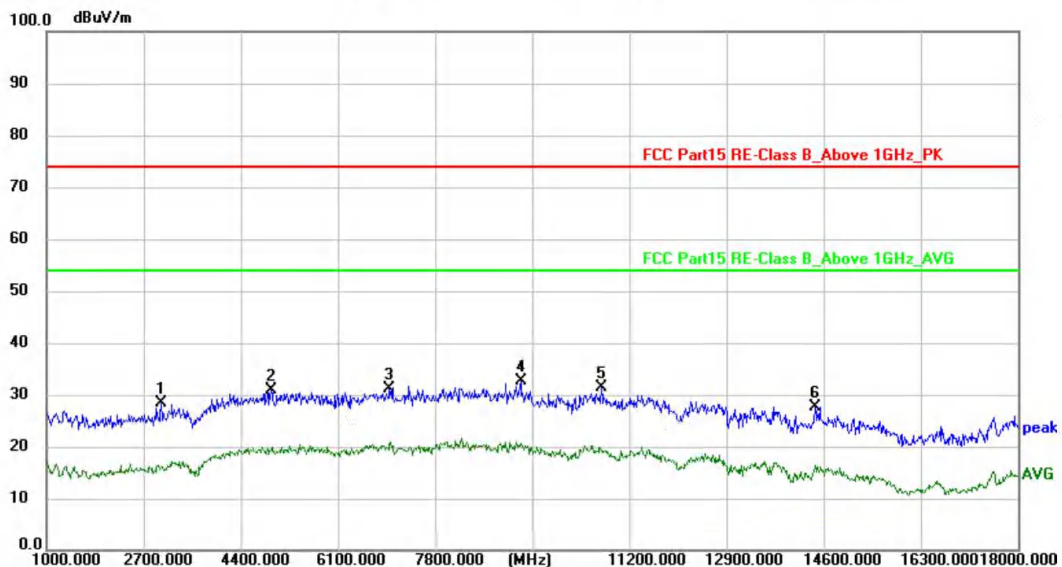
Radiated Emission Measurement

Project No.: 1-18

Data :#13

2024/7/16

09:44:26



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	3006.000	52.57	-24.25	28.32	74.00	-45.68	peak			P	
2	4927.000	49.67	-18.81	30.86	74.00	-43.14	peak			P	
3	7001.000	45.15	-14.09	31.06	74.00	-42.94	peak			P	
4 *	9296.000	44.73	-12.13	32.60	74.00	-41.40	peak			P	
5	10707.000	42.17	-10.82	31.35	74.00	-42.65	peak			P	
6	14447.000	36.05	-8.33	27.72	74.00	-46.28	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: N20 2412MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

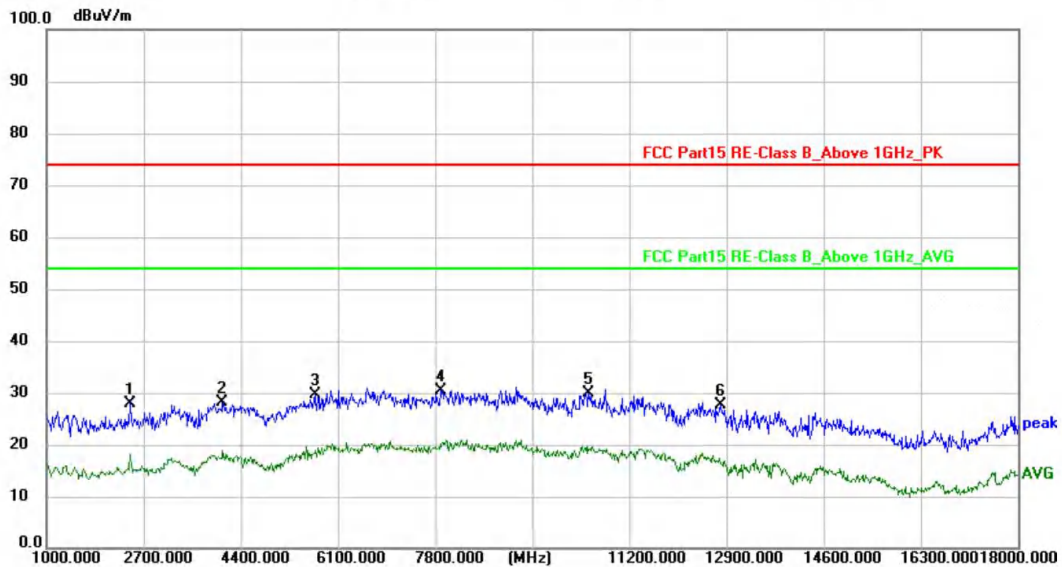
Radiated Emission Measurement

Project No.: 1-18

Data :#14

2024/7/16

09:48:52



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	2462.000	53.81	-25.90	27.91	74.00	-46.09	peak			P	
2	4077.000	50.71	-22.48	28.23	74.00	-45.77	peak			P	
3	5692.000	50.06	-20.48	29.58	74.00	-44.42	peak			P	
4 *	7902.000	43.65	-13.32	30.33	74.00	-43.67	peak			P	
5	10486.000	40.91	-11.09	29.82	74.00	-44.18	peak			P	
6	12798.000	36.90	-9.34	27.56	74.00	-46.44	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
EUT: 3D Scanner
M/N: Einstar Vega
Test Mode: N20 2437MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

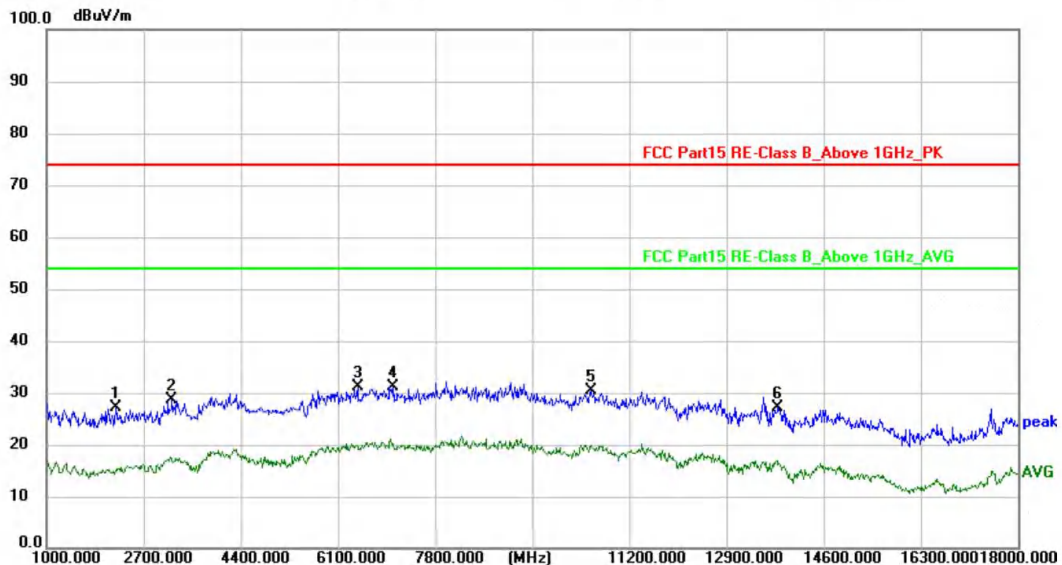
Radiated Emission Measurement

Project No.: 1-18

Data :#15

2024/7/16

09:56:30



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	2207.000	53.82	-26.67	27.15	74.00	-46.85	peak			P	
2	3193.000	52.36	-23.81	28.55	74.00	-45.45	peak			P	
3	6440.000	46.73	-15.66	31.07	74.00	-42.93	peak			P	
4 *	7069.000	45.23	-14.02	31.21	74.00	-42.79	peak			P	
5	10520.000	41.35	-11.05	30.30	74.00	-43.70	peak			P	
6	13801.000	35.54	-8.42	27.12	74.00	-46.88	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: N20 2437MHz MIMO
Test Voltage: DC 3.7V
Note:

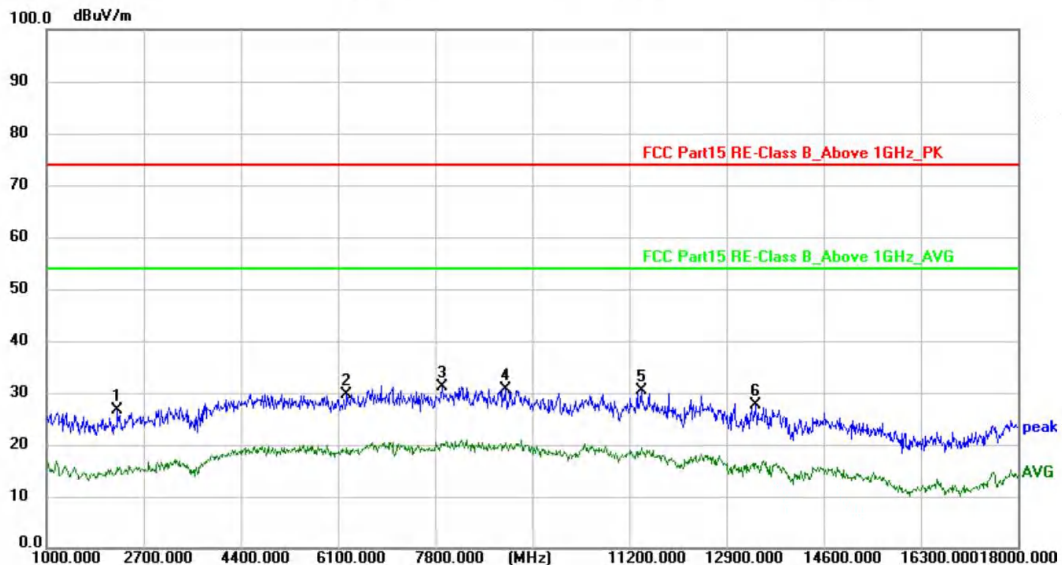
Radiated Emission Measurement

Project No.: 1-18

Data :#16

2024/7/16

10:06:01



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	2241.000	53.30	-26.56	26.74	74.00	-47.26	peak			P	
2	6253.000	45.87	-16.18	29.69	74.00	-44.31	peak			P	
3 *	7919.000	44.52	-13.29	31.23	74.00	-42.77	peak			P	
4	9024.000	42.86	-12.29	30.57	74.00	-43.43	peak			P	
5	11404.000	40.88	-10.41	30.47	74.00	-43.53	peak			P	
6	13410.000	36.48	-8.75	27.73	74.00	-46.27	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: N20 2462MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

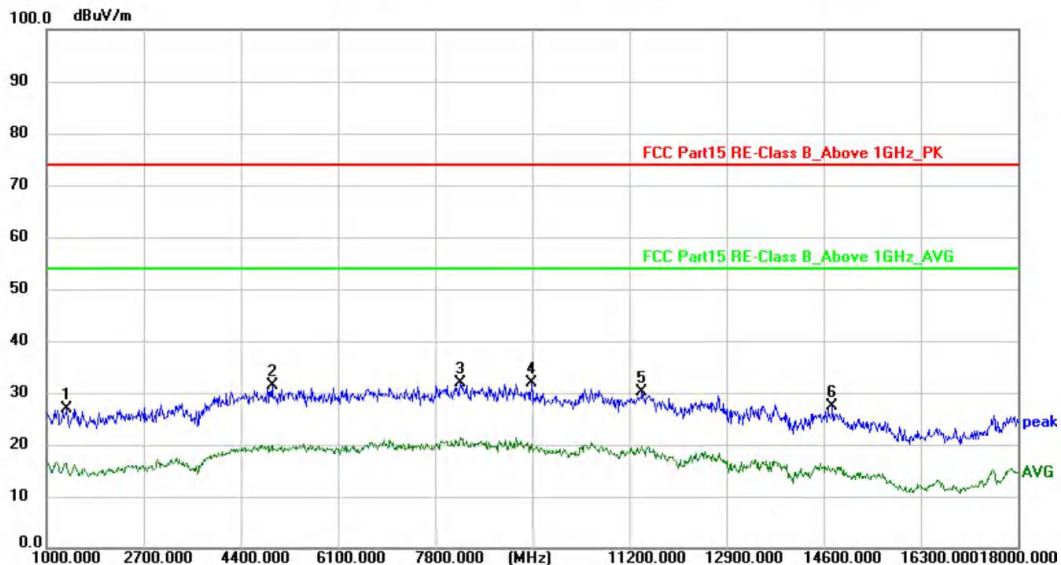
Radiated Emission Measurement

Project No.: 1-18

Data :#17

2024/7/16

10:12:39



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	1357.000	54.31	-27.51	26.80	74.00	-47.20	peak			P	
2	4944.000	50.05	-18.75	31.30	74.00	-42.70	peak			P	
3	8242.000	44.90	-13.00	31.90	74.00	-42.10	peak			P	
4 *	9483.000	43.96	-12.03	31.93	74.00	-42.07	peak			P	
5	11421.000	40.54	-10.40	30.14	74.00	-43.86	peak			P	
6	14753.000	35.81	-8.39	27.42	74.00	-46.58	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: N20 2462MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

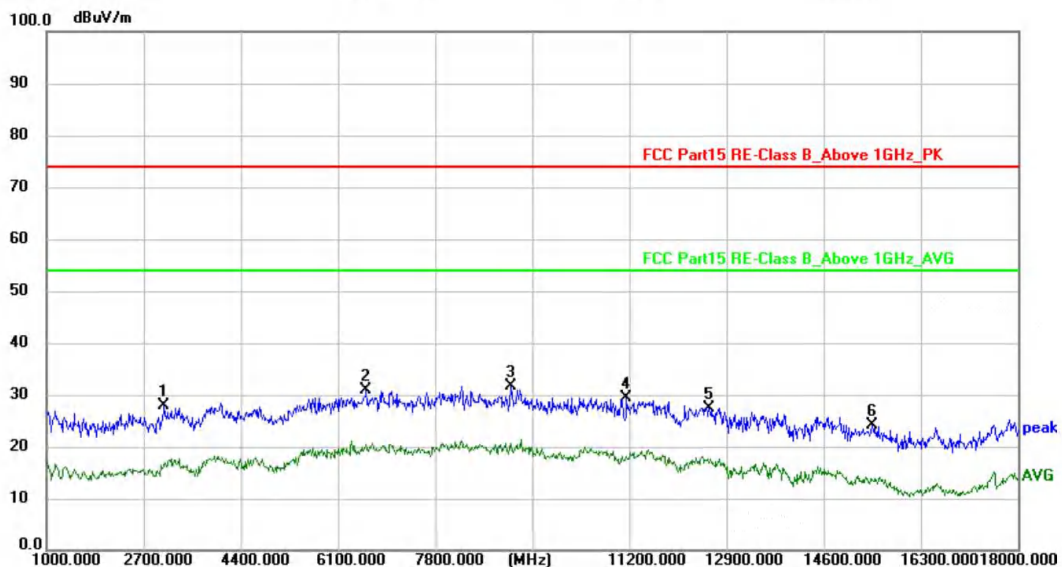
Radiated Emission Measurement

Project No.: 1-18

Data :#18

2024/7/16

10:18:07



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	3057.000	51.93	-24.13	27.80	74.00	-46.20	peak			P	
2	6593.000	46.03	-15.22	30.81	74.00	-43.19	peak			P	
3 *	9126.000	43.92	-12.22	31.70	74.00	-42.30	peak			P	
4	11149.000	39.91	-10.41	29.50	74.00	-44.50	peak			P	
5	12594.000	37.10	-9.61	27.49	74.00	-46.51	peak			P	
6	15450.000	32.86	-8.84	24.02	74.00	-49.98	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: AX20 2412MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

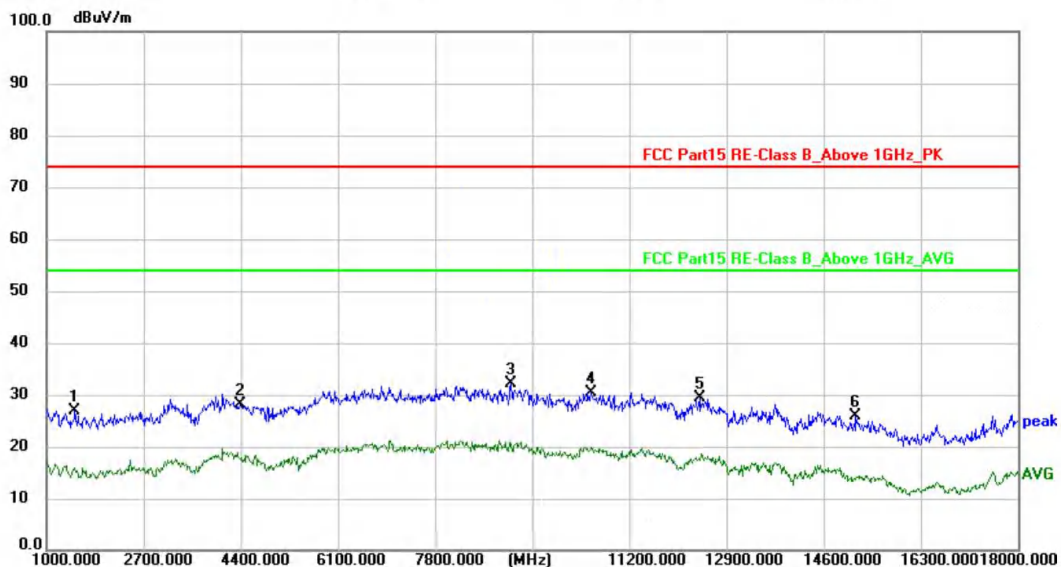
Radiated Emission Measurement

Project No.: 1-18

Data :#19

2024/7/16

10:23:47



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	1493.000	54.21	-27.45	26.76	74.00	-47.24	peak			P	
2	4383.000	52.59	-24.50	28.09	74.00	-45.91	peak			P	
3 *	9126.000	44.38	-12.22	32.16	74.00	-41.84	peak			P	
4	10520.000	41.50	-11.05	30.45	74.00	-43.55	peak			P	
5	12424.000	39.20	-9.84	29.36	74.00	-44.64	peak			P	
6	15161.000	34.57	-8.57	26.00	74.00	-48.00	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: AX20 2412MHz MIMO
Test Voltage: DC 3.7V
Note:

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

Temperature: 26 °C
Humidity: 54 %RH

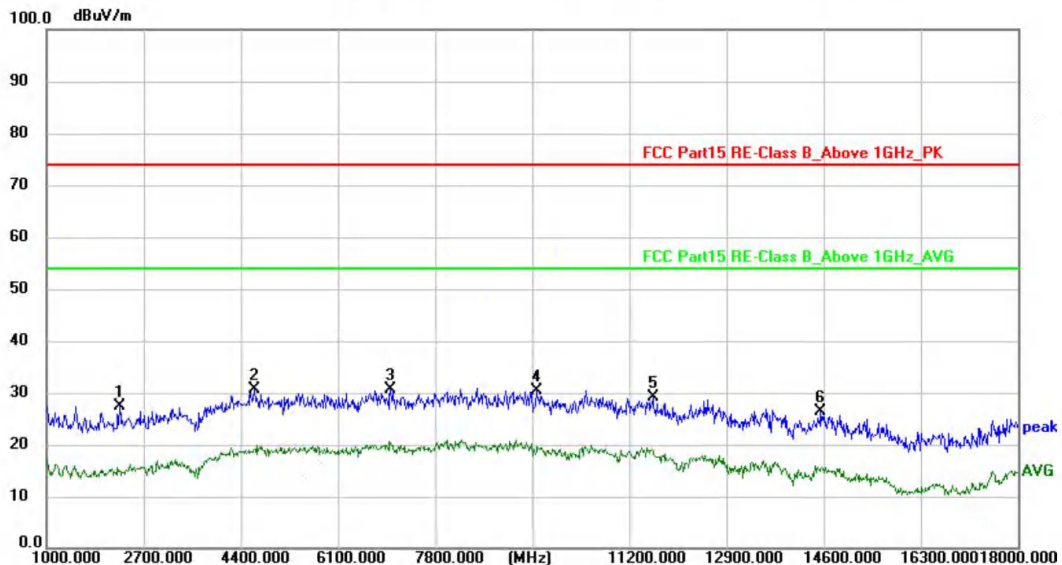
Radiated Emission Measurement

Project No.: 1-18

Data :#20

2024/7/16

10:30:10



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	2275.000	53.74	-26.46	27.28	74.00	-46.72	peak			P	
2 *	4638.000	50.51	-19.80	30.71	74.00	-43.29	peak			P	
3	7018.000	44.79	-14.08	30.71	74.00	-43.29	peak			P	
4	9568.000	42.41	-11.98	30.43	74.00	-43.57	peak			P	
5	11608.000	39.55	-10.40	29.15	74.00	-44.85	peak			P	
6	14549.000	34.72	-8.34	26.38	74.00	-47.62	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: AX20 2437MHz MIMO
Test Voltage: DC 3.7V
Note:

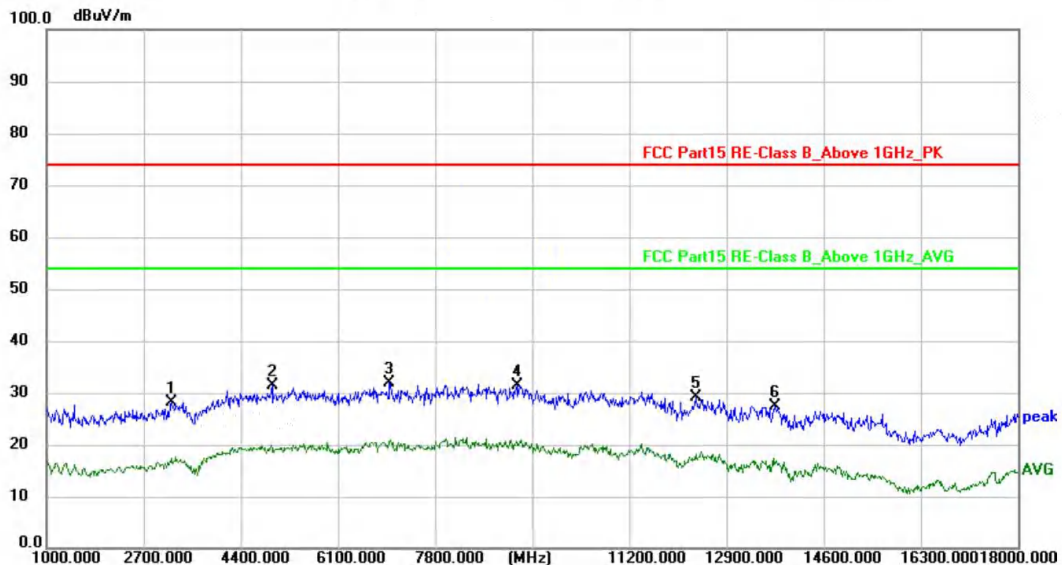
Radiated Emission Measurement

Project No.: 1-18

Data :#21

2024/7/16

10:34:43



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	3176.000	52.06	-23.86	28.20	74.00	-45.80	peak			P	
2	4944.000	50.23	-18.75	31.48	74.00	-42.52	peak			P	
3 *	7001.000	45.86	-14.09	31.77	74.00	-42.23	peak			P	
4	9228.000	43.66	-12.16	31.50	74.00	-42.50	peak			P	
5	12356.000	38.93	-9.92	29.01	74.00	-44.99	peak			P	
6	13750.000	35.91	-8.46	27.45	74.00	-46.55	peak			P	

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