Appendix B: Test Results

Note: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz -26.5GHz were observed to greater than 20dB magin to the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

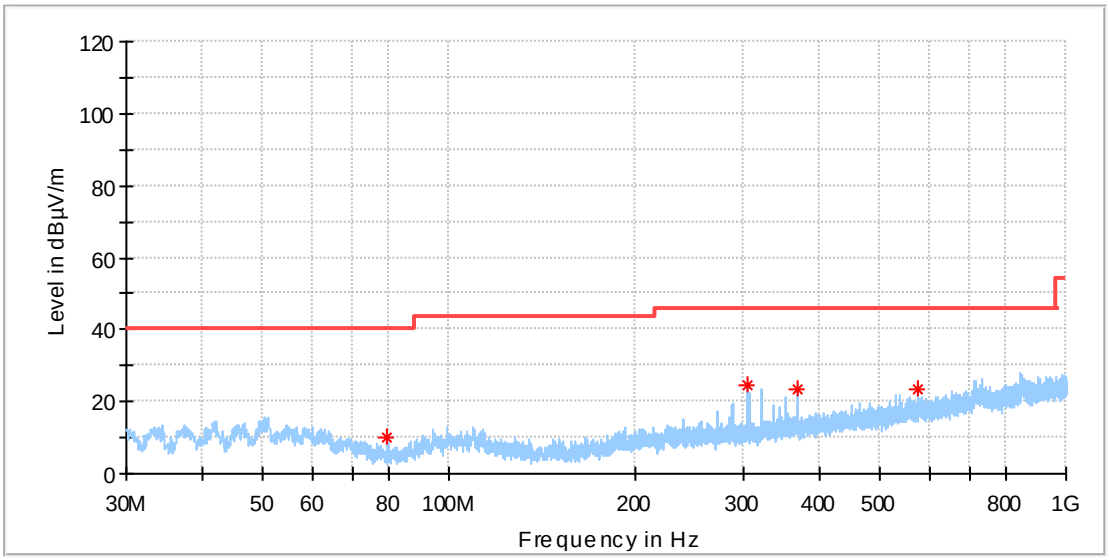
Appendix B.1: Fundamental & Harmonics Radiated Emission

30MHz - 1GHz

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



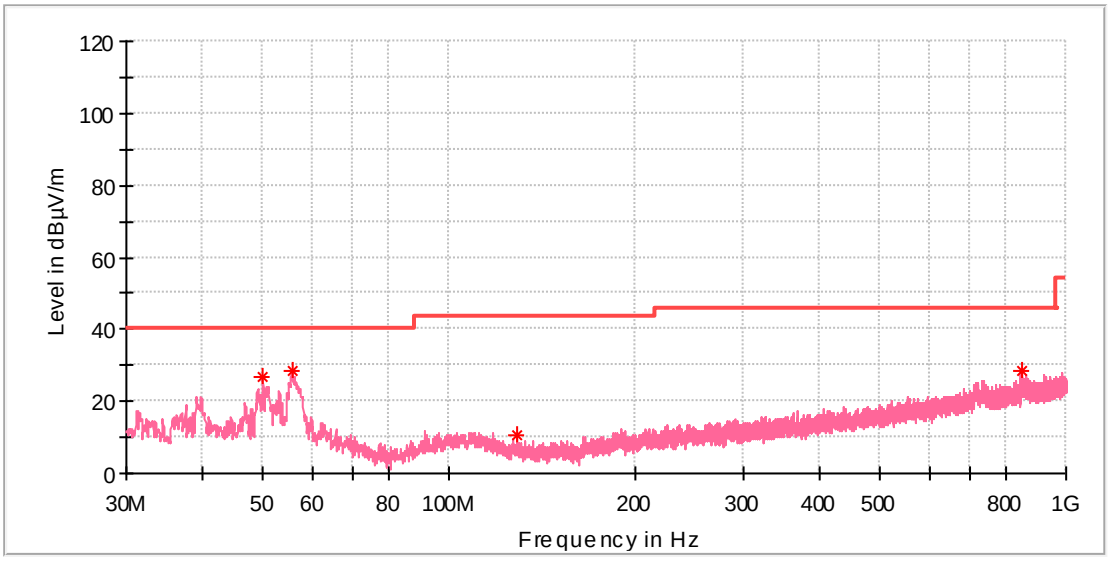
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
79.567000	9.86	---	40.00	30.14	100.0	H	301.0	-23.8
304.025000	24.33	---	46.00	21.67	100.0	H	63.0	-16.5
367.996500	23.35	---	46.00	22.65	100.0	H	285.0	-14.8
575.916000	23.42	---	46.00	22.58	100.0	H	7.0	-10.7

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



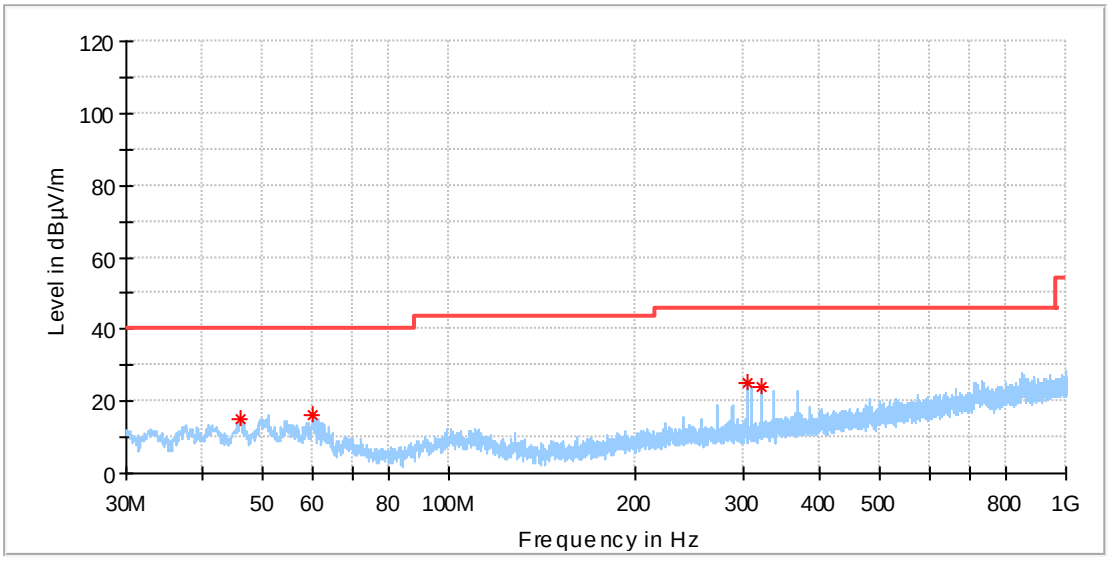
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	26.61	---	40.00	13.39	100.0	V	208.0	-18.6
55.753500	28.42	---	40.00	11.58	100.0	V	299.0	-18.8
128.940000	10.70	---	43.50	32.80	100.0	V	0.0	-22.1
845.188000	28.31	---	46.00	17.69	100.0	V	200.0	-6.0

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



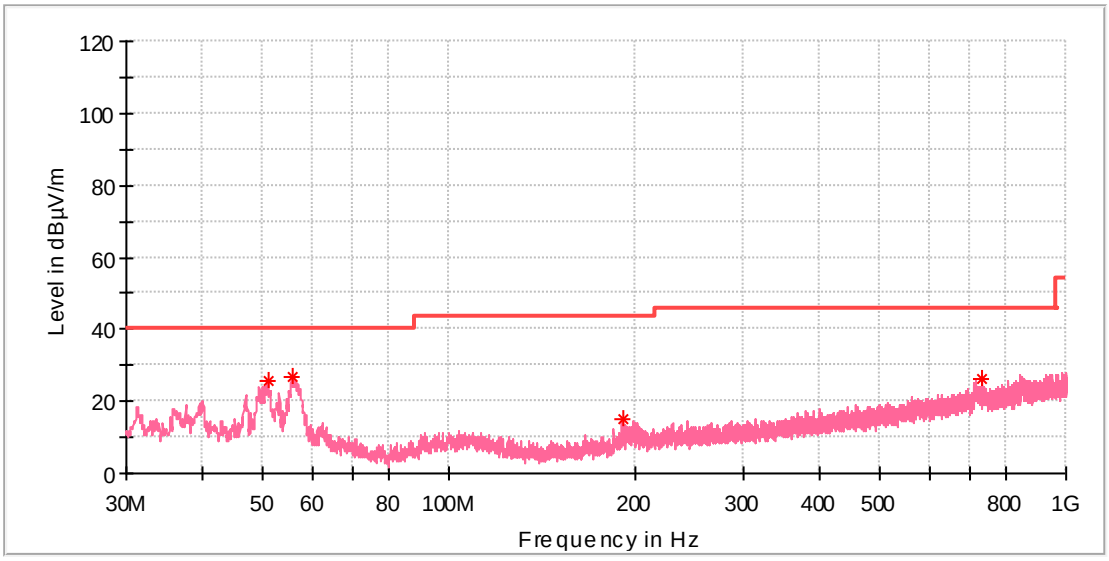
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.811000	15.00	---	40.00	25.00	100.0	H	160.0	-19.0
60.264000	16.09	---	40.00	23.91	100.0	H	299.0	-19.4
304.025000	24.89	---	46.00	21.11	100.0	H	86.0	-16.5
320.030000	24.16	---	46.00	21.84	100.0	H	86.0	-16.1

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

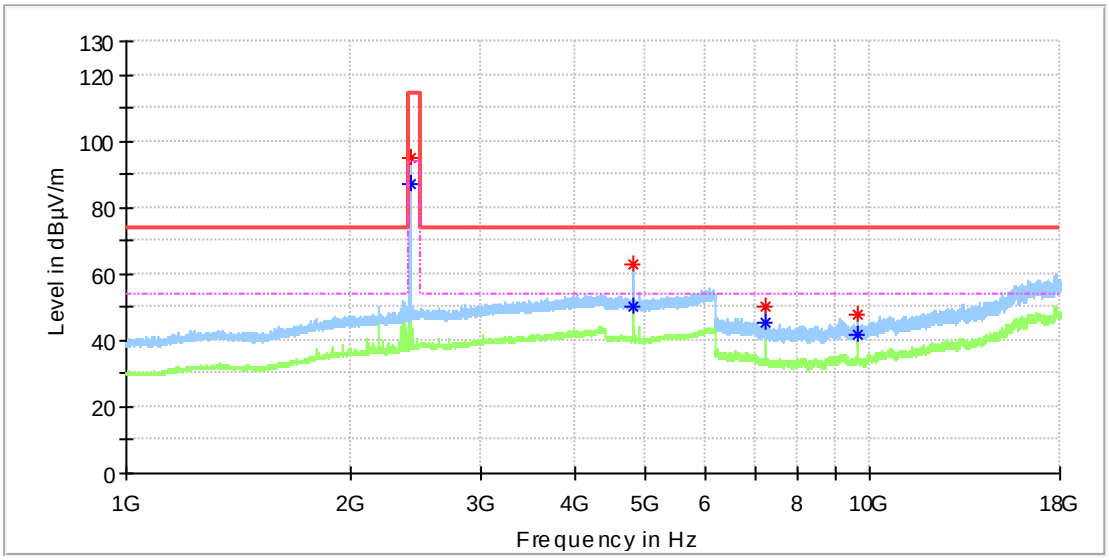
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.952000	25.46	---	40.00	14.54	100.0	V	0.0	-18.6
55.753500	26.74	---	40.00	13.26	100.0	V	206.0	-18.8
190.923000	14.92	---	43.50	28.58	100.0	V	297.0	-19.8
728.739500	26.38	---	46.00	19.62	100.0	V	247.0	-7.9

1GHz - 18GHz

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



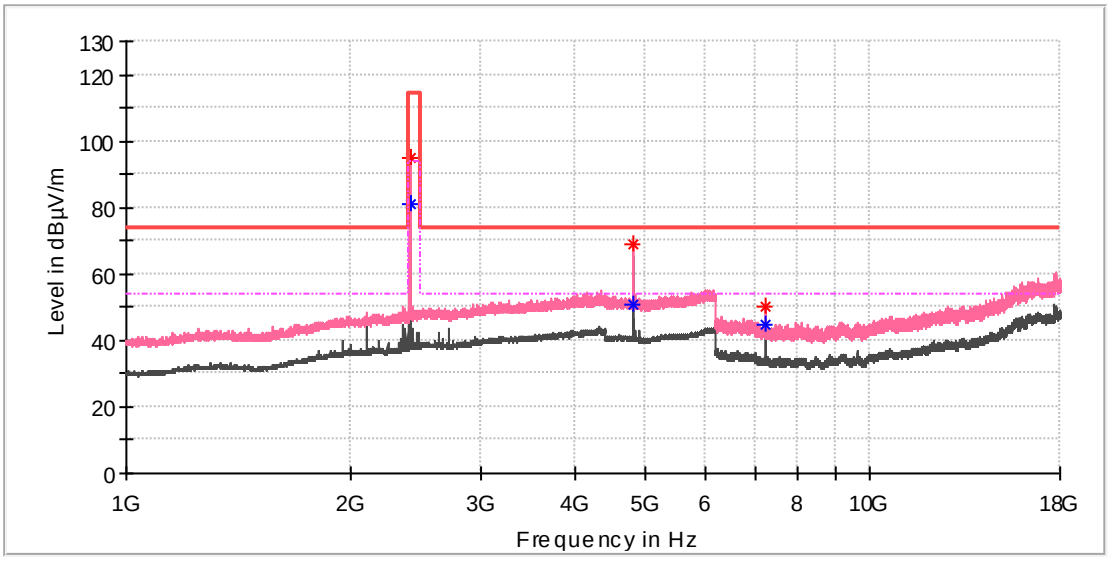
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2407.000000	94.68	---	114.00	19.32	100.0	H	245.0	7.0
2408.000000	---	87.04	94.00	6.96	100.0	H	245.0	7.1
4815.000000	62.98	---	74.00	11.02	100.0	H	134.0	13.5
4815.500000	---	50.16	54.00	3.84	100.0	H	134.0	13.5
7220.700000	50.24	---	74.00	23.76	100.0	H	3.0	8.7
7222.175000	---	45.10	54.00	8.90	100.0	H	3.0	8.7
9629.375000	---	42.02	54.00	11.98	100.0	H	192.0	10.4
9629.866667	47.90	---	74.00	26.10	100.0	H	192.0	10.4

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



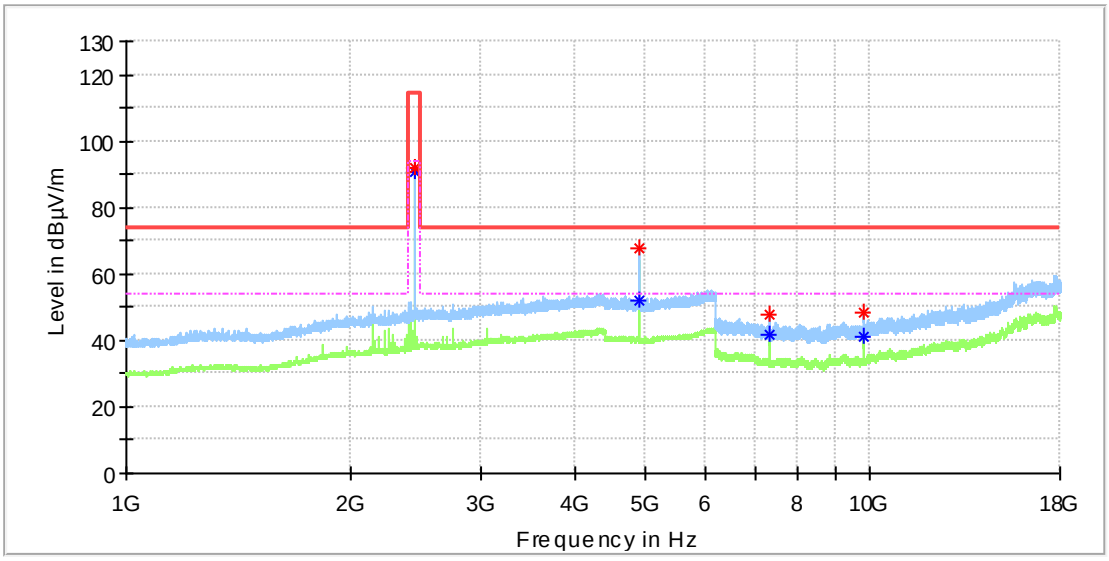
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2406.000000	---	80.82	94.00	13.18	100.0	V	355.0	7.0
2407.500000	95.03	---	114.00	18.97	100.0	V	355.0	7.1
4812.000000	---	50.92	54.00	3.08	100.0	V	117.0	13.6
4814.500000	69.03	---	74.00	4.97	100.0	V	160.0	13.6
7222.175000	---	44.68	54.00	9.32	100.0	V	106.0	8.7
7222.175000	50.34	---	74.00	23.66	100.0	V	106.0	8.7

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Mid CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



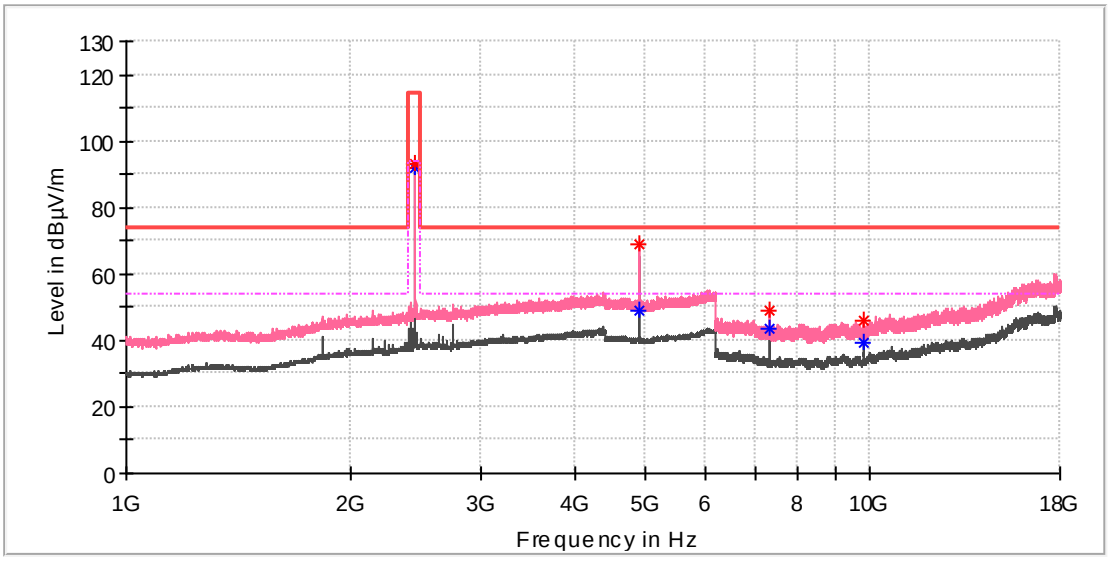
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2445.000000	---	90.63	94.00	3.37	100.0	H	300.0	7.4
2445.500000	91.76	---	114.00	22.24	100.0	H	300.0	7.4
4888.500000	---	50.81	54.00	3.19	100.0	H	201.0	13.3
4889.500000	67.48	---	74.00	6.52	100.0	H	201.0	13.3
7336.241667	---	41.49	54.00	12.51	100.0	H	320.0	8.1
7336.241667	47.56	---	74.00	26.44	100.0	H	320.0	8.1
9779.333333	48.64	---	74.00	25.36	100.0	H	338.0	10.4
9781.791667	---	41.07	54.00	12.93	100.0	H	338.0	10.4

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Mid CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



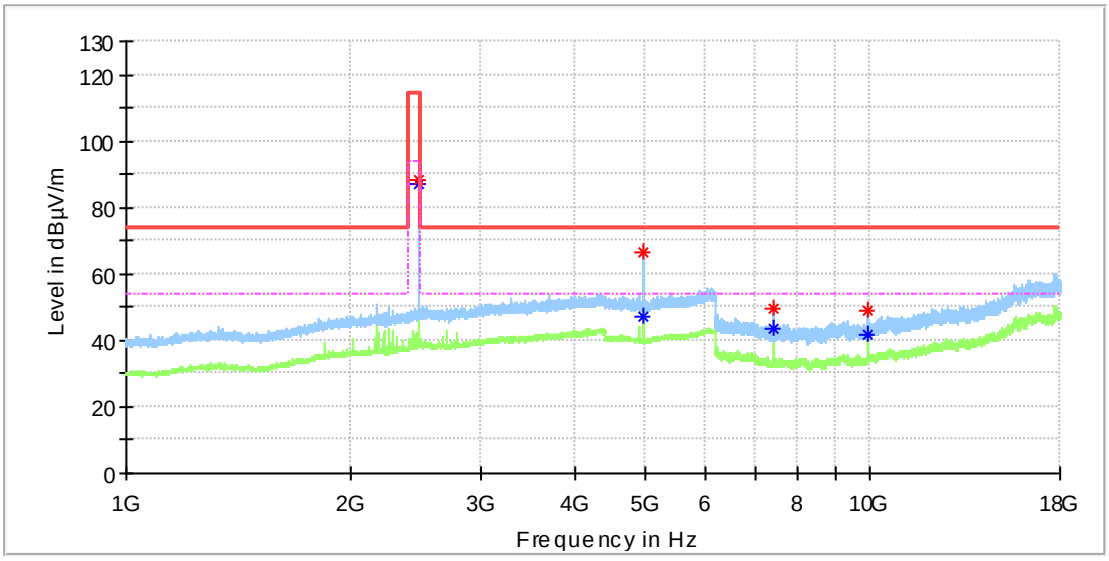
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2445.000000	---	91.88	94.00	2.12	100.0	V	0.0	7.4
2445.000000	93.03	---	114.00	20.97	100.0	V	0.0	7.4
4888.000000	---	48.89	54.00	5.11	100.0	V	103.0	13.3
4889.500000	68.95	---	74.00	5.05	100.0	V	239.0	13.3
7334.766667	49.26	---	74.00	24.74	100.0	V	332.0	8.1
7336.241667	---	43.27	54.00	10.73	100.0	V	111.0	8.1
9781.791667	45.77	---	74.00	28.23	100.0	V	332.0	10.4
9781.791667	---	39.27	54.00	14.73	100.0	V	332.0	10.4

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



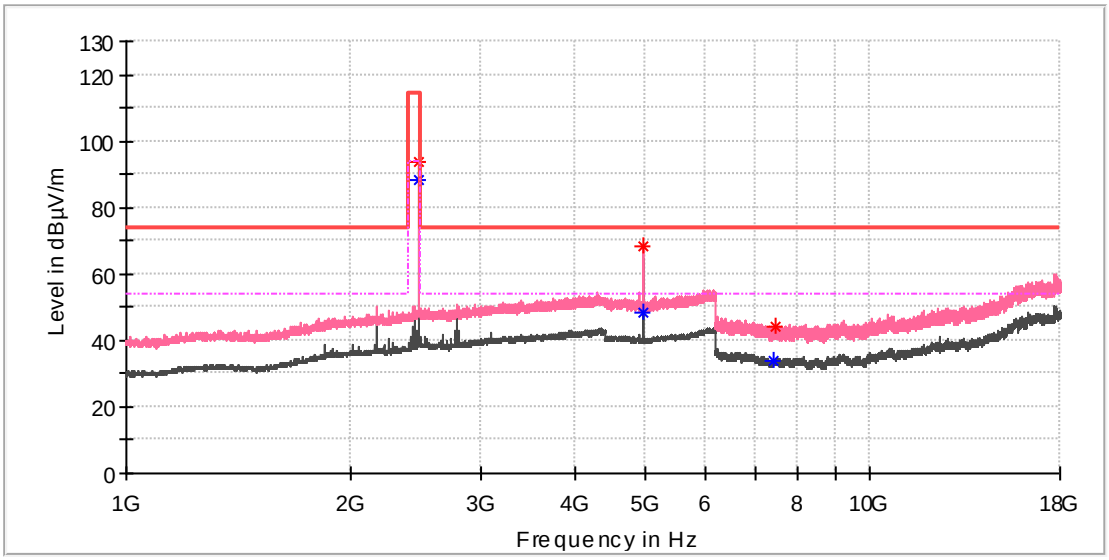
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2475.000000	---	87.02	94.00	6.98	100.0	H	276.0	7.4
2475.500000	88.19	---	114.00	25.81	100.0	H	276.0	7.4
4950.000000	66.52	---	74.00	7.48	100.0	H	295.0	13.2
4952.000000	---	47.44	54.00	6.56	100.0	H	295.0	13.2
7426.216667	---	43.53	54.00	10.47	100.0	H	125.0	8.4
7426.216667	49.62	---	74.00	24.38	100.0	H	125.0	8.4
9901.758333	---	41.46	54.00	12.54	100.0	H	0.0	10.8
9901.758333	48.85	---	74.00	25.15	100.0	H	0.0	10.8

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

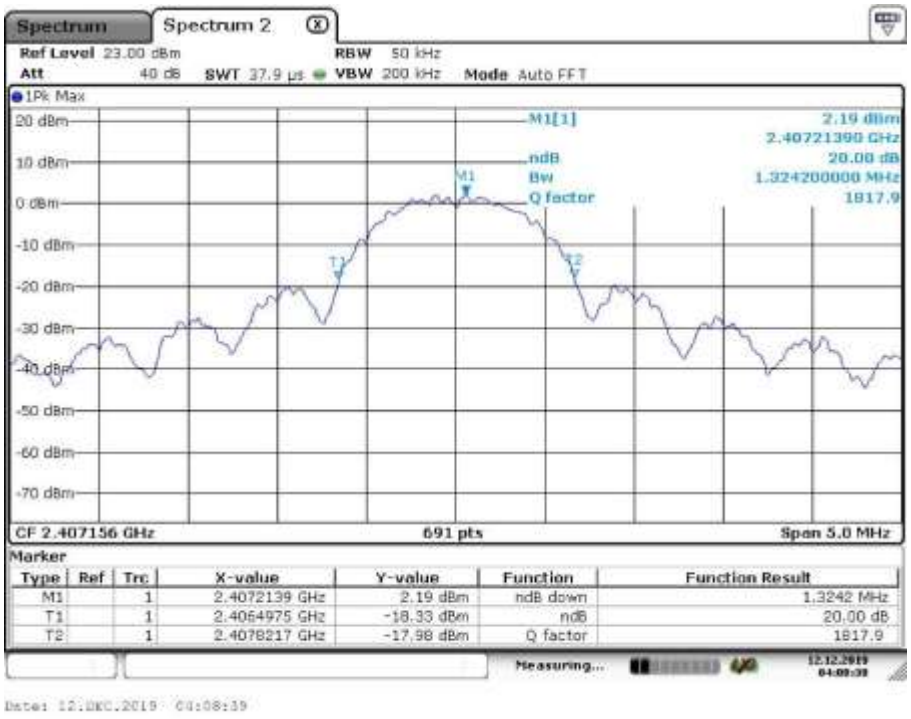
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2474.500000	---	88.03	94.00	5.97	100.0	V	358.0	7.4
2475.500000	93.59	---	114.00	20.41	100.0	V	358.0	7.4
4948.000000	---	48.15	54.00	5.85	100.0	V	105.0	13.2
4950.000000	68.37	---	74.00	5.63	100.0	V	53.0	13.2
7434.575000	---	33.79	54.00	20.21	100.0	V	213.0	8.4
7445.391667	43.95	---	74.00	30.05	100.0	V	21.0	8.5

Appendix B.2: Test Results of 20dB Bandwidth

Test Result of 20dB Bandwidth, General 2.4GHz

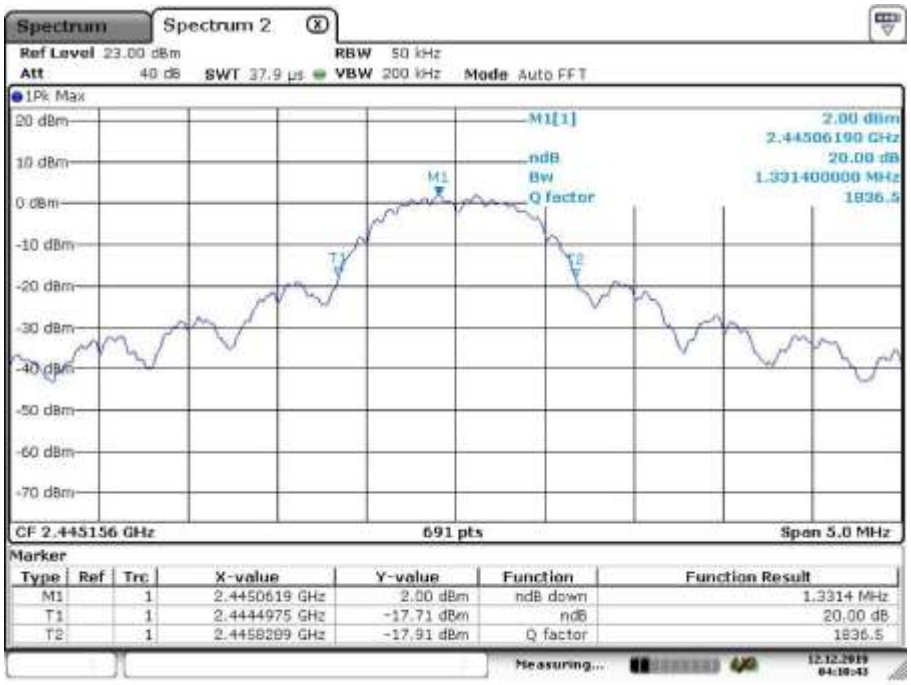
Test Mode Test Channel (MHz)	20dB Bandwidth (kHz)	Limit (MHz)
2407.156	1324.20	Within the assigned frequency band 2400~2483.5MHz
2445.156	1331.14	
2475.156	1374.80	
Maximum Measured Value	1374.80	

Low Channel



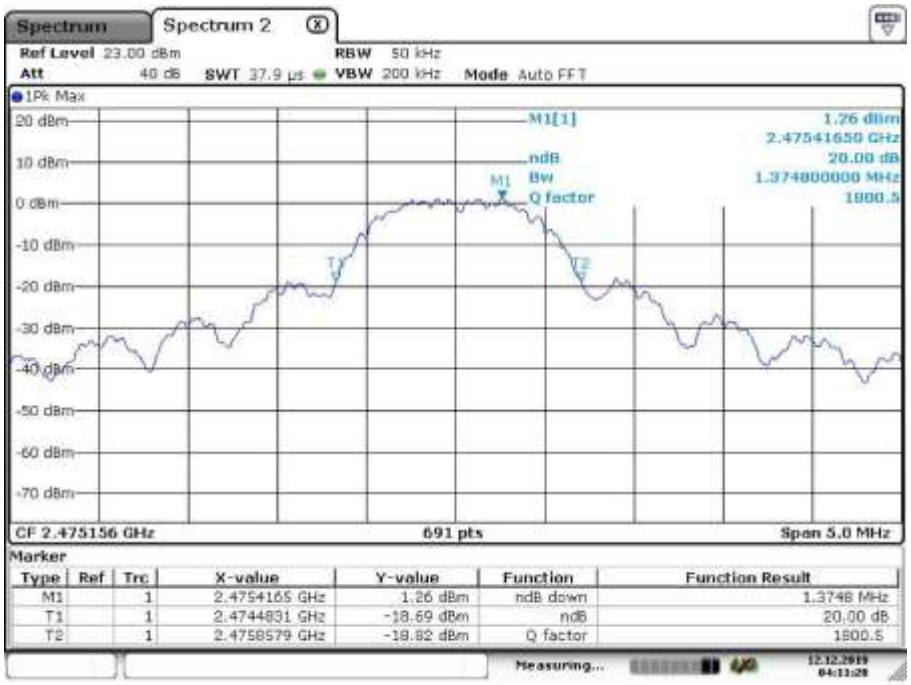
Date: 12.DEC.2019 04:08:39

Middle Channel



Date: 12.DEC.2019 04:10:43

High Channel



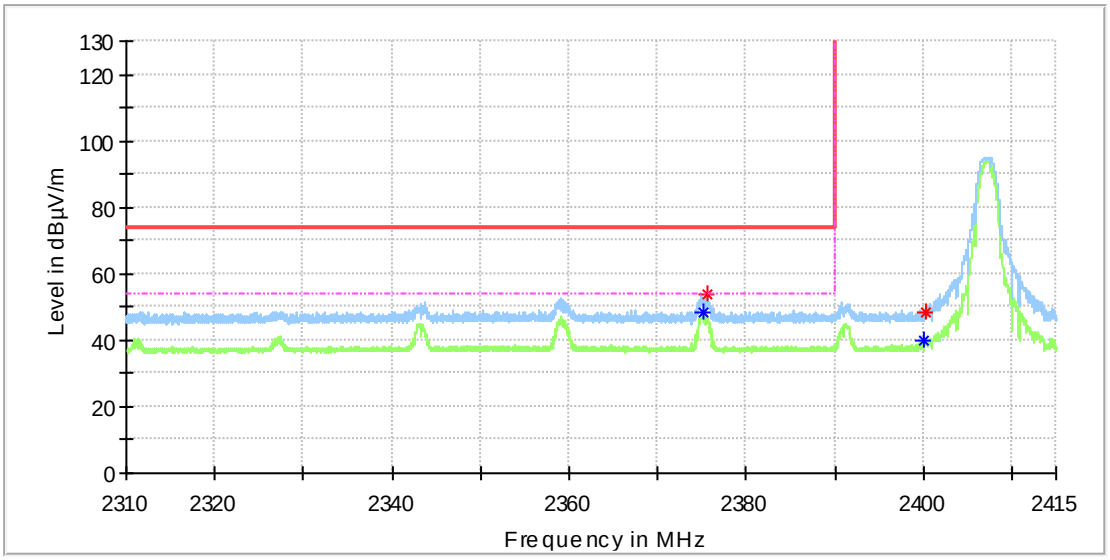
Date: 12.DEC.2019 04:11:29

Appendix B.3: Test Results of Radiated Emissions in Restricted Bands

Test Report

EUT Information

EUT Name:	Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



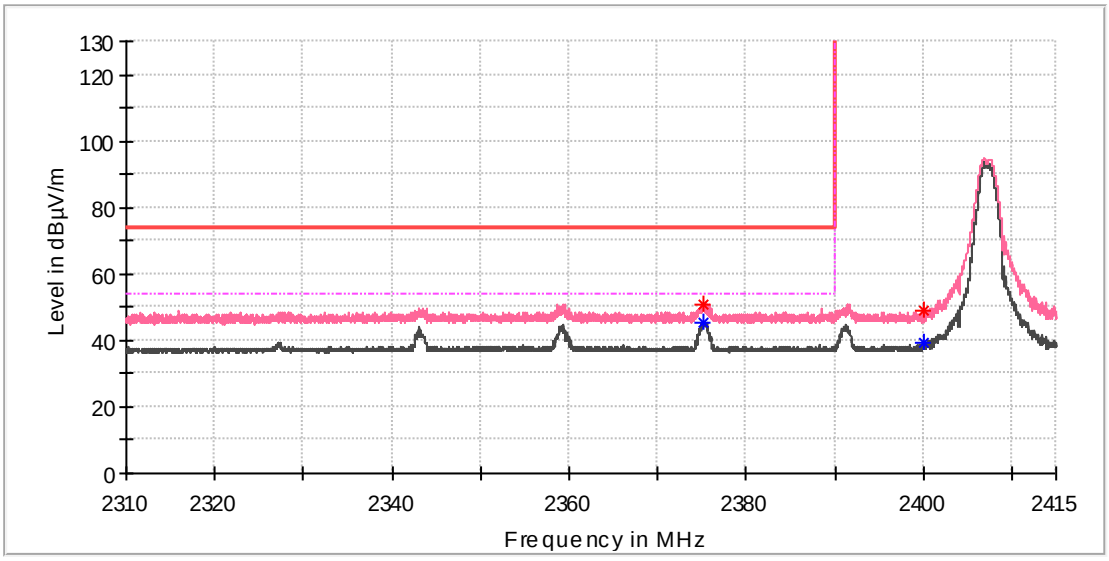
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.161765	---	48.52	54.00	5.48	100.0	H	281.0	6.9
2375.547794	53.51	---	74.00	20.49	100.0	H	288.0	6.9
2400.269118	48.49	---	74.68	26.19	100.0	H	288.0	7.0

Test Report

EUT Information

EUT Name:	Robot
Model:	OMSLR24AIQI
Test Mode:	TX_Low CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



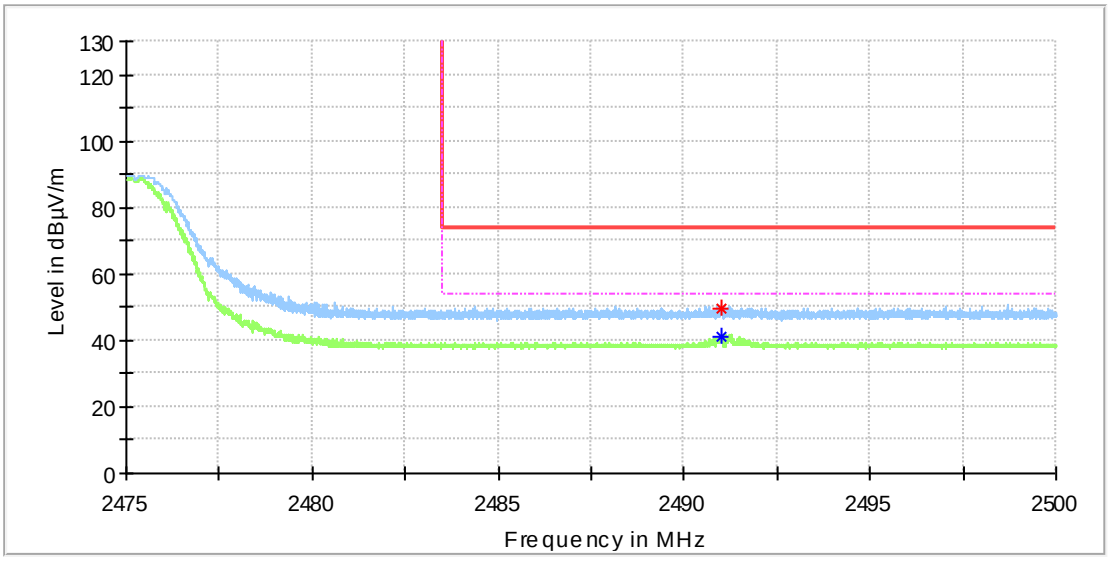
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2375.223529	---	45.56	54.00	8.44	100.0	V	0.0	6.9
2375.223529	50.86	---	74.00	23.14	100.0	V	0.0	6.9
2399.991177	48.75	---	75.03	26.28	100.0	V	0.0	7.0

Test Report

EUT Information

EUT Name:	Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



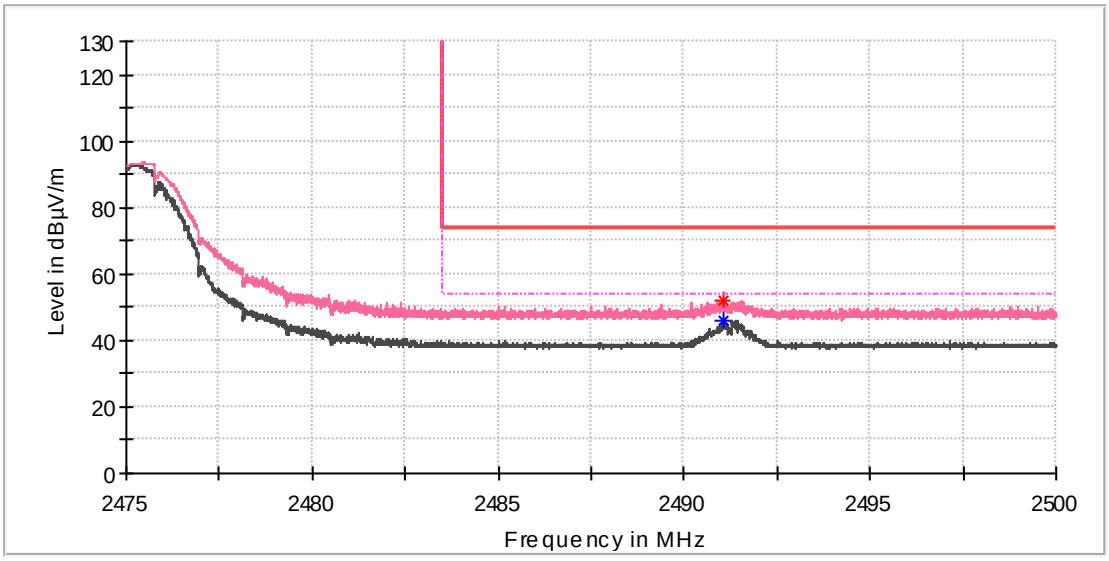
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2491.014706	49.84	---	74.00	24.16	100.0	H	205.0	7.4
2491.025735	---	41.33	54.00	12.67	100.0	H	205.0	7.4

Test Report

EUT Information

EUT Name:	Robot
Model:	OMSLR24AIQI
Test Mode:	TX_High CH
Test Voltage::	Fully charged battery
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

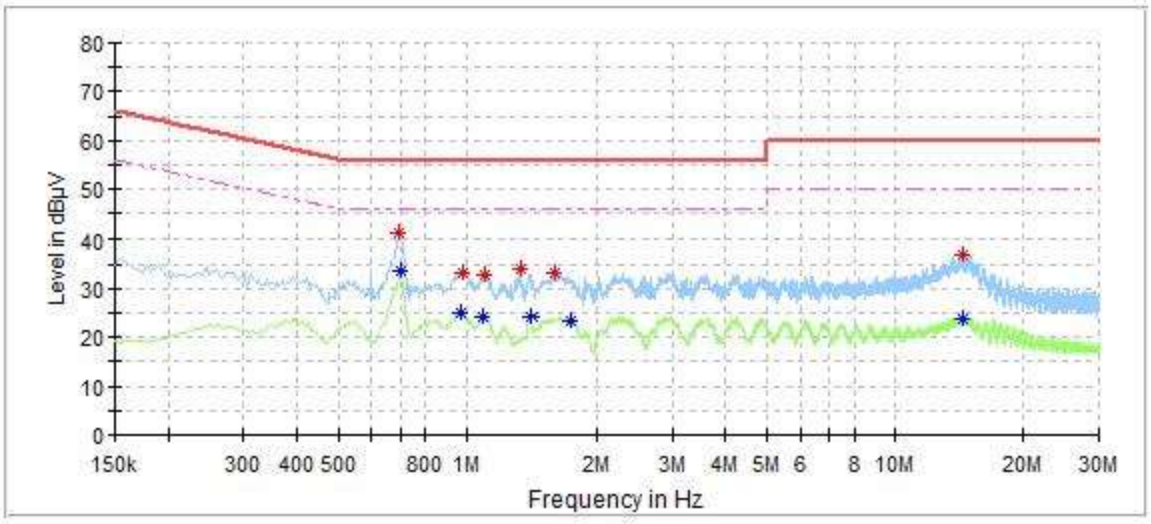
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2491.058824	51.77	---	74.00	22.23	100.0	V	149.0	7.4
2491.073529	---	45.91	54.00	8.09	100.0	V	149.0	7.4

Appendix B.4: Test Results of Conducted Emission on AC Mains

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No.:	168141149 40
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	



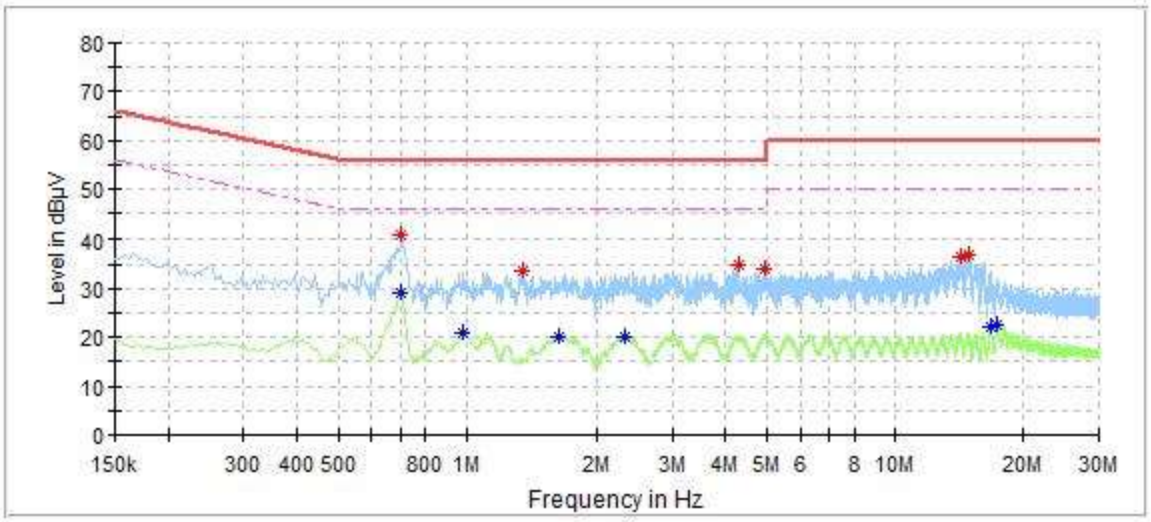
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.696000	40.90	---	56.00	15.10	L1	9.7
0.700000	---	33.46	46.00	12.54	L1	9.7
0.968000	---	24.92	46.00	21.08	L1	9.7
0.976000	33.22	---	56.00	22.78	L1	9.7
1.096000	---	24.23	46.00	21.77	L1	9.7
1.100000	32.88	---	56.00	23.12	L1	9.7
1.336000	33.93	---	56.00	22.07	L1	9.7
1.408000	---	24.33	46.00	21.67	L1	9.7
1.588000	33.24	---	56.00	22.76	L1	9.7
1.740000	---	23.54	46.00	22.46	L1	9.7
14.392000	---	23.92	50.00	26.08	L1	10.3
14.396000	37.09	---	60.00	22.91	L1	10.3

Test Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No.:	168141149 40
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.704000	40.75	---	56.00	15.25	N	9.7
0.704000	---	29.13	46.00	16.87	N	9.7
0.976000	---	20.79	46.00	25.21	N	9.7
1.356000	33.53	---	56.00	22.47	N	9.7
1.636000	---	20.16	46.00	25.84	N	9.7
2.332000	---	20.29	46.00	25.71	N	9.8
4.296000	34.71	---	56.00	21.29	N	9.9
4.960000	34.12	---	56.00	21.88	N	9.9
14.228000	36.63	---	60.00	23.37	N	10.3
14.872000	36.73	---	60.00	23.27	N	10.3
16.712000	---	22.18	50.00	27.82	N	10.4
17.396000	---	22.36	50.00	27.64	N	10.4

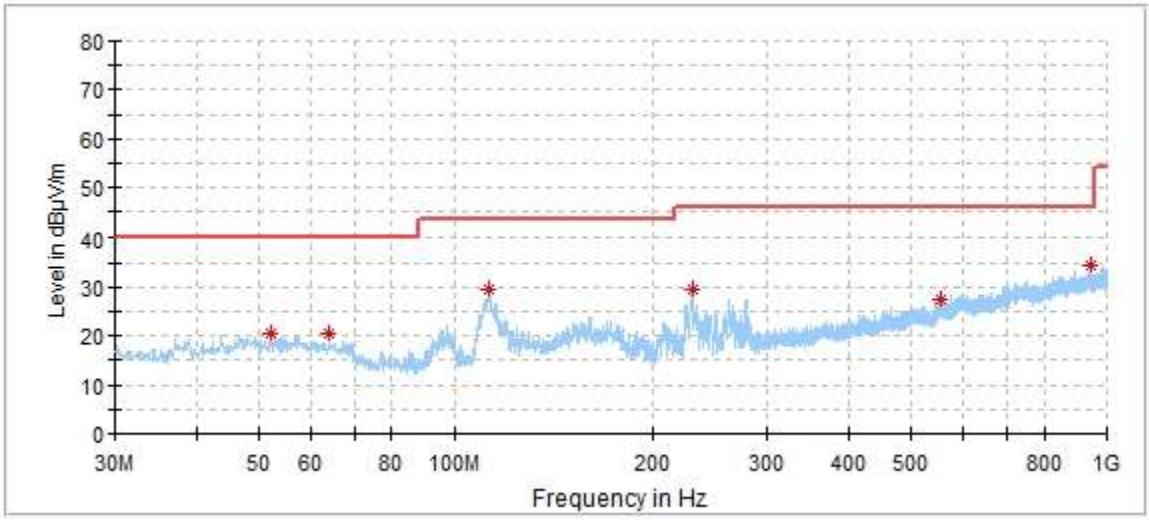
Appendix B.5: Radiated Emission

Note: The measurement results below 30MHz and above 6GHz were observed to greater than 20dB magin to the limit, so only the radiated spurious emissions from 30MHz to 6GHz were reported.

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	



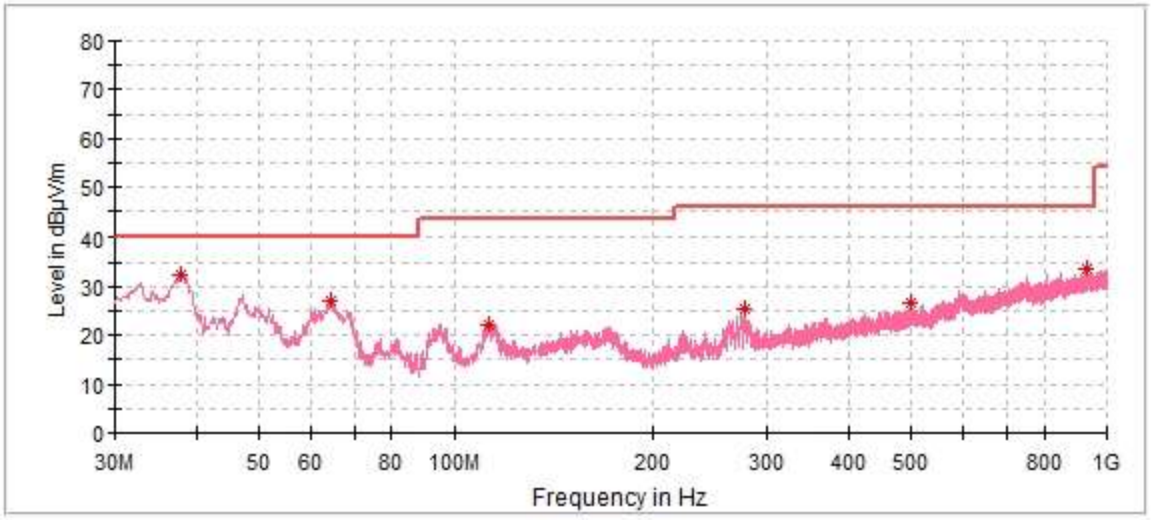
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
230.402000	29.53	46.00	16.47	---	---	100.0	H	165.0
946.359000	34.40	46.00	11.60	---	---	100.0	H	355.0
557.389000	27.55	46.00	18.45	---	---	150.0	H	246.0
52.019000	20.50	40.00	19.50	---	---	150.0	H	299.0
64.047000	20.33	40.00	19.67	---	---	200.0	H	58.0
113.129000	29.42	43.50	14.08	---	---	250.0	H	0.0

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	



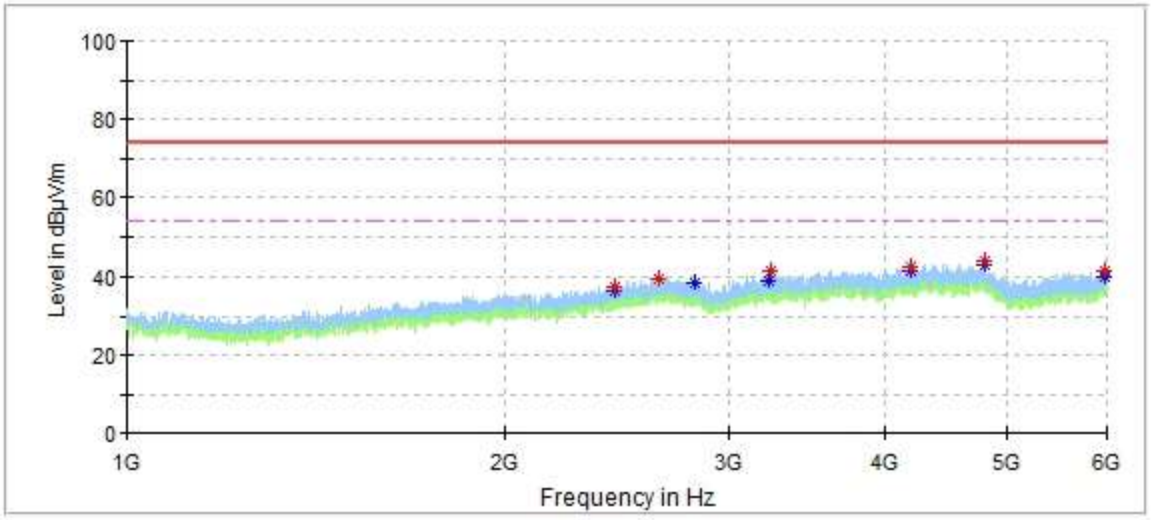
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
37.954000	32.41	40.00	7.59	---	---	100.0	V	36.0
113.129000	22.35	43.50	21.15	---	---	100.0	V	310.0
64.532000	27.00	40.00	13.00	---	---	150.0	V	0.0
277.059000	25.63	46.00	20.37	---	---	200.0	V	58.0
932.197000	33.60	46.00	12.40	---	---	200.0	V	149.0
498.704000	26.56	46.00	19.44	---	---	200.0	V	183.0

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149 40
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



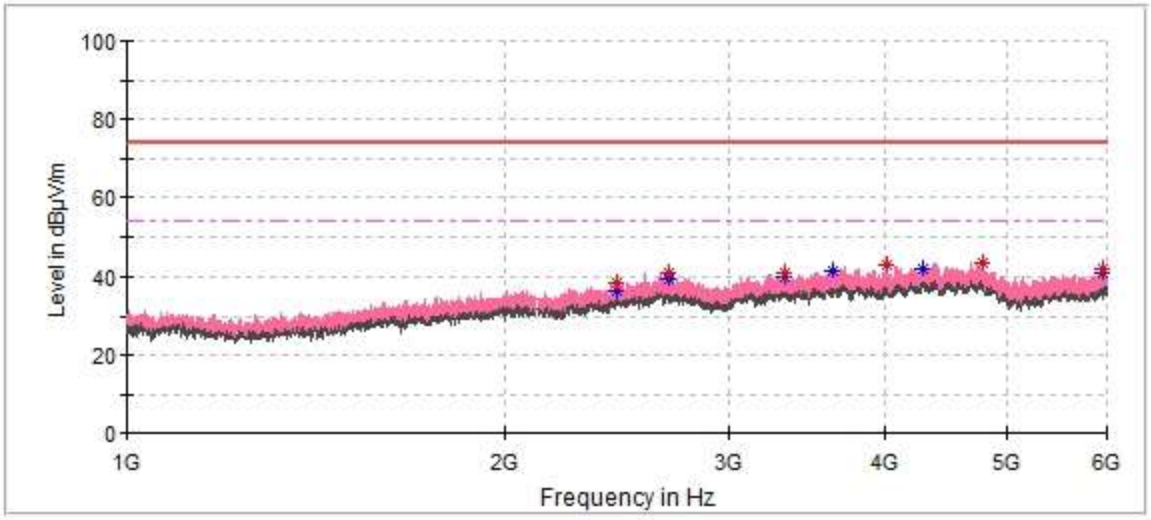
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
5987.500000	---	40.06	54.00	13.94	---	---	100.0	H
2436.000000	37.53	---	74.00	36.47	---	---	100.0	H
2436.000000	---	36.54	54.00	17.46	---	---	100.0	H
4184.000000	---	41.54	54.00	12.46	---	---	100.0	H
4184.000000	42.39	---	74.00	31.61	---	---	100.0	H
2640.500000	39.51	---	74.00	34.49	---	---	100.0	H
3233.000000	---	39.18	54.00	14.82	---	---	100.0	H
5980.000000	41.73	---	74.00	32.27	---	---	100.0	H
2820.000000	---	38.46	54.00	15.54	---	---	100.0	H
4799.000000	44.33	---	74.00	29.67	---	---	100.0	H
4799.000000	---	43.05	54.00	10.95	---	---	100.0	H
3242.500000	41.41	---	74.00	32.59	---	---	100.0	H

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Charging mode
Test Voltage:	AC 120V/60Hz
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



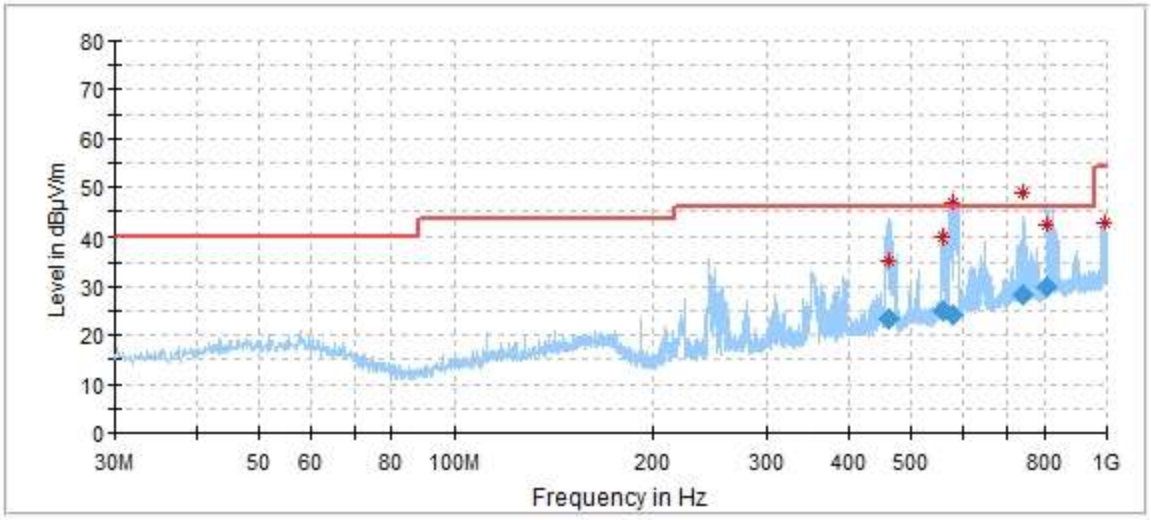
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
3629.500000	---	41.58	54.00	12.42	---	---	100.0	V
2444.000000	---	36.49	54.00	17.51	---	---	100.0	V
2444.000000	38.28	---	74.00	35.72	---	---	100.0	V
3330.500000	41.08	---	74.00	32.92	---	---	100.0	V
3330.500000	---	40.13	54.00	13.87	---	---	100.0	V
4008.500000	43.29	---	74.00	30.71	---	---	100.0	V
2684.500000	40.90	---	74.00	33.10	---	---	100.0	V
2684.500000	---	39.42	54.00	14.58	---	---	100.0	V
4783.500000	43.52	---	74.00	30.48	---	---	100.0	V
4281.000000	---	42.19	54.00	11.81	---	---	100.0	V
5948.000000	---	40.82	54.00	13.18	---	---	100.0	V
5948.000000	41.92	---	74.00	32.08	---	---	100.0	V

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Running
Test Voltage:	DC 4.8V via Ni-MH batteries (1.2V*4)
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
462.809000	35.34	46.00	2.37	---	---	132.0	H	147.0
561.176000	39.96	46.00	4.53	---	---	129.0	H	277.0
580.143000	46.90	46.00	-3.05	---	---	263.0	H	261.0
744.078000	48.66	46.00	2.08	---	---	100.0	H	179.0
807.952000	42.11	46.00	0.27	---	---	164.0	H	346.0
990.106000	42.70	54.00	11.30	---	---	200.0	H	118.0

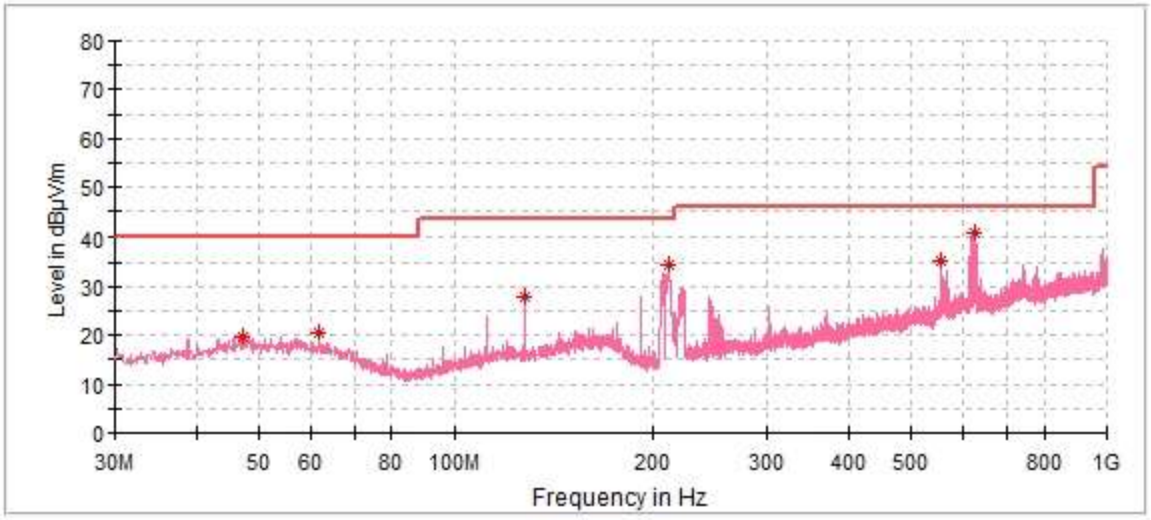
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
462.809000	23.19	46.00	22.81	1000.0	120.000	132.0	H	147.0
561.176000	24.98	46.00	21.02	1000.0	120.000	129.0	H	277.0
580.143000	24.18	46.00	21.82	1000.0	120.000	263.0	H	261.0
744.078000	28.34	46.00	17.66	1000.0	120.000	100.0	H	179.0
807.952000	29.78	46.00	16.22	1000.0	120.000	164.0	H	346.0

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Running
Test Voltage:	DC 4.8V via Ni-MH batteries (1.2V*4)
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



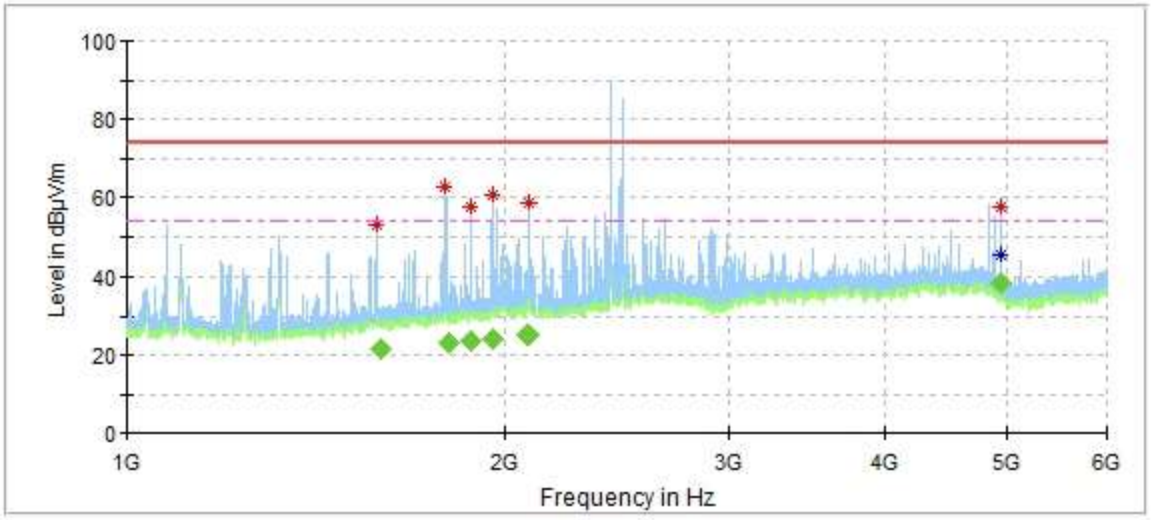
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
555.934000	35.18	46.00	10.82	---	---	100.0	V	109.0
211.875000	34.42	43.50	9.08	---	---	100.0	V	120.0
47.363000	19.90	40.00	20.10	---	---	100.0	V	187.0
127.970000	27.85	43.50	15.65	---	---	150.0	V	39.0
61.719000	20.40	40.00	19.60	---	---	150.0	V	337.0
625.483000	40.43	46.00	5.57	---	---	200.0	V	297.0

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Running
Test Voltage:	DC 4.8V via Ni-MH batteries (1.2V*4)
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1582.500000	52.68	---	74.00	21.32	---	---	100.0	H
1592.100000	---	21.91	54.00	32.21	---	---	100.0	H
1793.500000	62.63	---	74.00	11.37	---	---	100.0	H
1801.500000	---	23.22	54.00	30.52	---	---	100.0	H
1876.500000	57.59	---	74.00	16.41	---	---	100.0	H
1880.500000	---	23.95	54.00	29.76	---	---	100.0	H
1953.000000	60.26	---	74.00	13.74	---	---	100.0	H
1958.700000	---	24.47	54.00	29.56	---	---	100.0	H
2081.000000	---	25.22	54.00	28.98	---	---	100.0	H
2091.000000	58.23	---	74.00	15.77	---	---	100.0	H
4936.400000	---	45.40	54.00	12.24	---	---	100.0	H
4938.000000	57.60	---	74.00	16.40	---	---	100.0	H

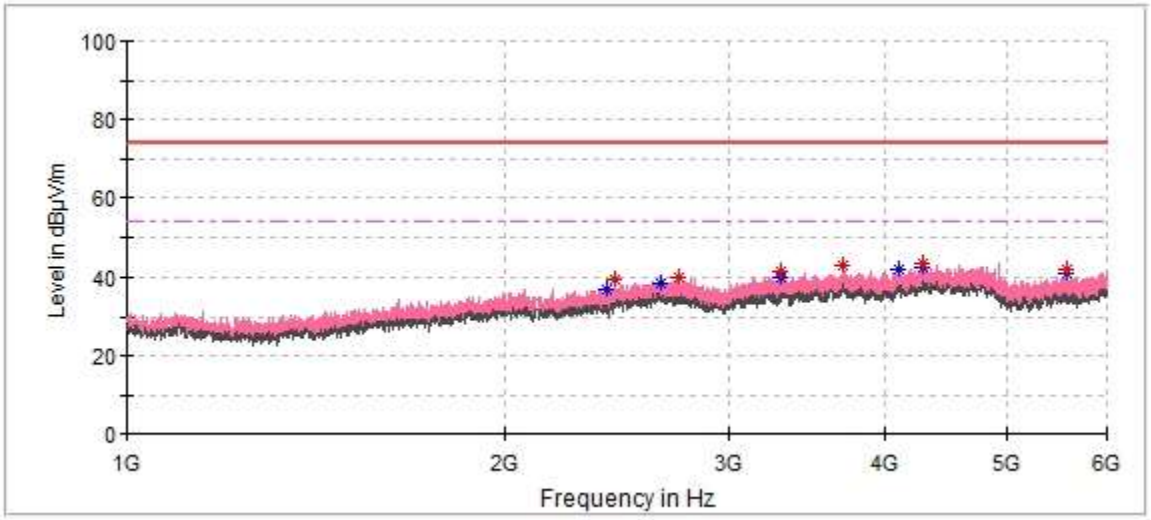
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1592.100000	---	21.63	54.00	32.37	50.0	1000.000	98.0	H
1801.500000	---	22.89	54.00	31.11	50.0	1000.000	98.0	H
1880.500000	---	23.66	54.00	30.34	50.0	1000.000	98.0	H
1958.700000	---	24.30	54.00	29.70	50.0	1000.000	98.0	H
2081.000000	---	24.95	54.00	29.05	50.0	1000.000	98.0	H
4936.400000	---	38.67	54.00	15.33	50.0	1000.000	98.0	H

EMC32 Report

EUT Information

EUT Name:	ONEMARS Hexapod Battle Robot
Model:	OMSLR24AIQI
Order No:	168141149
Test Mode:	Running
Test Voltage:	DC 4.8V via Ni-MH batteries (1.2V*4)
Test By:	Charlie Wang
Review By:	Gary Chen
Remark:	3M Chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
2738.000000	39.83	---	74.00	34.17	---	---	100.0	V
5574.000000	42.01	---	74.00	31.99	---	---	100.0	V
5574.000000	---	40.83	54.00	13.17	---	---	100.0	V
3302.500000	---	39.96	54.00	14.04	---	---	100.0	V
3302.500000	41.31	---	74.00	32.69	---	---	100.0	V
3695.500000	43.05	---	74.00	30.95	---	---	100.0	V
2440.000000	39.25	---	74.00	34.75	---	---	100.0	V
2655.000000	---	38.39	54.00	15.61	---	---	100.0	V
4285.500000	43.56	---	74.00	30.44	---	---	100.0	V
4285.500000	---	42.36	54.00	11.64	---	---	100.0	V
2399.000000	---	36.92	54.00	17.08	---	---	100.0	V
4097.500000	---	41.80	54.00	12.20	---	---	100.0	V