

Appendix A: Test Results of Bluetooth LE

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Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.684	2402.336	0.5	PASS
		2440	0.636	2439.680	2440.316	0.5	PASS
		2480	0.624	2479.708	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.108	2401.456	2402.564	0.5	PASS
		2440	0.944	2439.464	2440.408	0.5	PASS
		2480	1.124	2479.468	2480.592	0.5	PASS

Test Graphs

BLE_1M_Ant1_2402

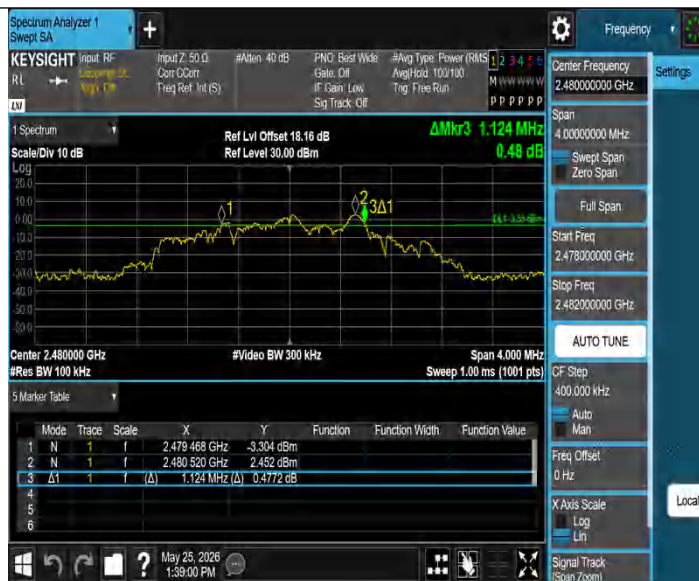


BLE_1M_Ant1_2440



BLE_1M_Ant1_2480





Appendix A.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0543	2401.4863	2402.5406	---	PASS
		2440	1.0476	2439.4892	2440.5368	---	PASS
		2480	1.0681	2479.4773	2480.5454	---	PASS
BLE_2M	Ant1	2402	2.0804	2400.9942	2403.0746	---	PASS
		2440	2.0978	2438.9838	2441.0816	---	PASS
		2480	2.0279	2479.0218	2481.0497	---	PASS

Test Graphs





BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

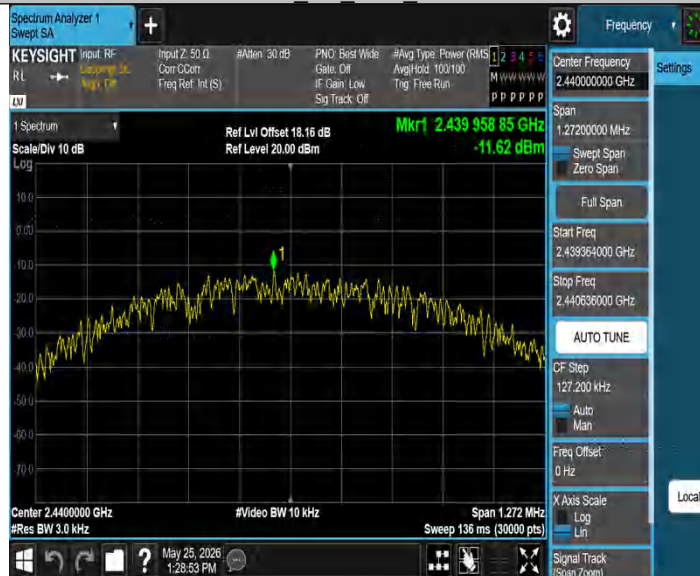
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.62	≤8.00	PASS
		2440	-11.62	≤8.00	PASS
		2480	-12.18	≤8.00	PASS
BLE_2M	Ant1	2402	-13.47	≤8.00	PASS
		2440	-14.52	≤8.00	PASS
		2480	-1.59	≤8.00	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.86	-43.13	≤-16.14	PASS
		High	2480	2.62	-40.76	≤-17.38	PASS
BLE_2M	Ant1	Low	2402	3.84	-30.31	≤-16.16	PASS
		High	2480	2.64	-40.99	≤-17.36	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE 2M Ant1 High 2480

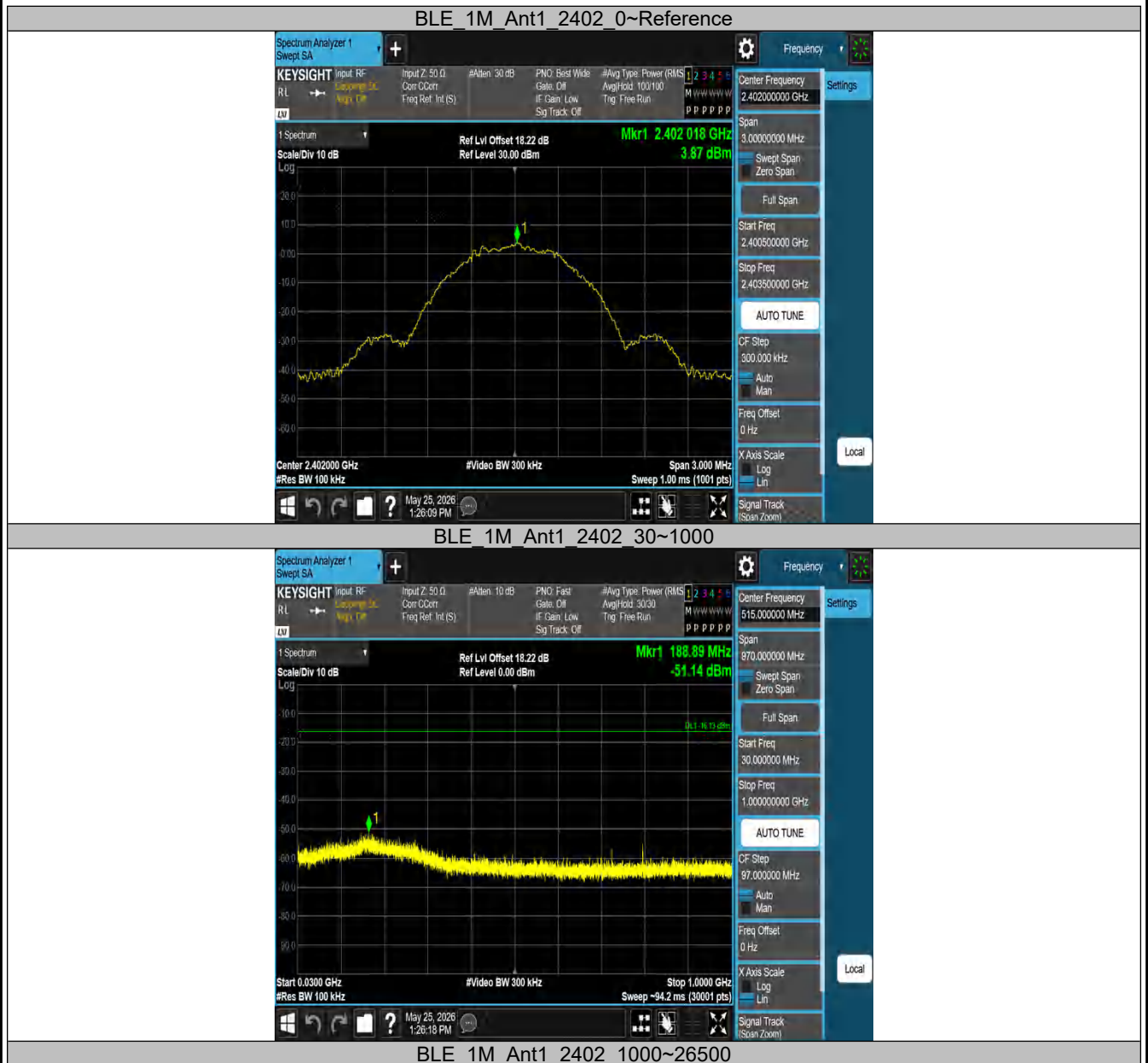


Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-51.14	≤-16.13	PASS
			1000~26500	3.87	-54.26	≤-16.13	PASS
		2440	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-50.66	≤-17.5	PASS
			1000~26500	2.50	-54.48	≤-17.5	PASS
		2480	Reference	2.46	2.46	---	PASS
			30~1000	2.46	-52.31	≤-17.54	PASS
			1000~26500	2.46	-54.34	≤-17.54	PASS
BLE_2M	Ant1	2402	Reference	3.90	3.90	---	PASS
			30~1000	3.90	-50.18	≤-16.1	PASS
			1000~26500	3.90	-53.38	≤-16.1	PASS
		2440	Reference	3.45	3.45	---	PASS
			30~1000	3.45	-51.77	≤-16.55	PASS
			1000~26500	3.45	-53.62	≤-16.55	PASS
		2480	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-50.7	≤-17.34	PASS
			1000~26500	2.66	-54.26	≤-17.34	PASS

Test Graphs

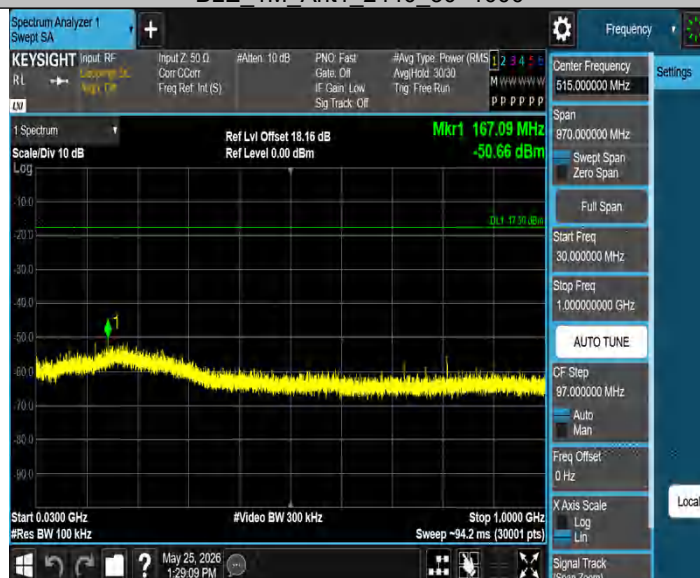




BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



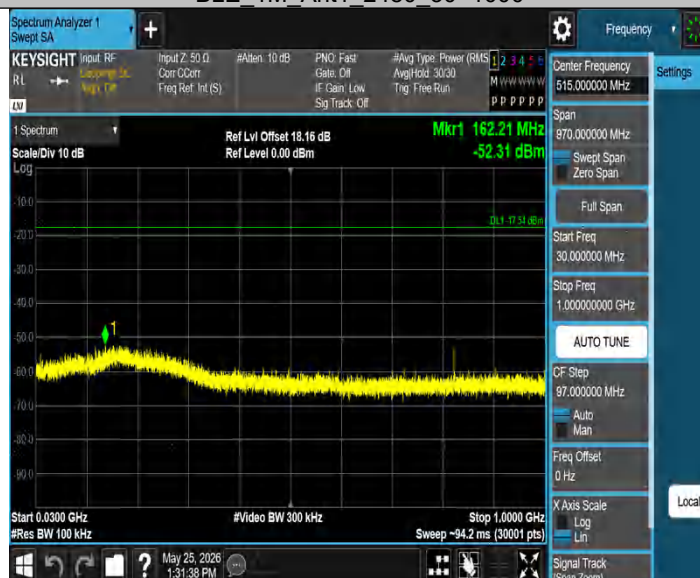
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



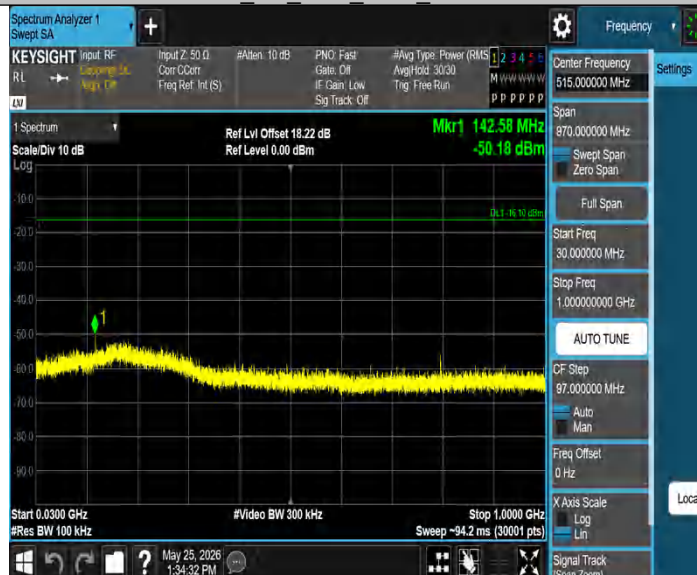
BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



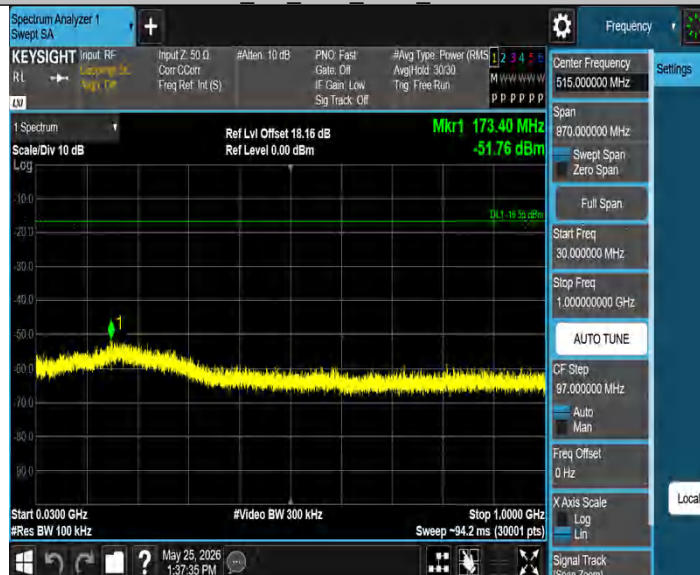
BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE 2M Ant1 2480 1000~26500



Appendix A.6: Test Results of Radiated Spurious Emissions

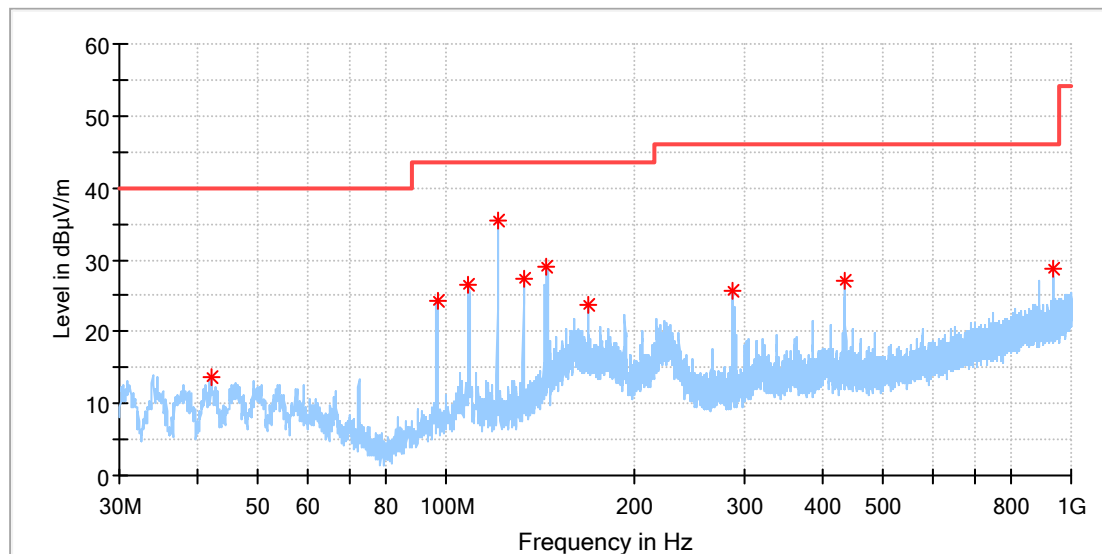
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30MHz - 1GHz

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

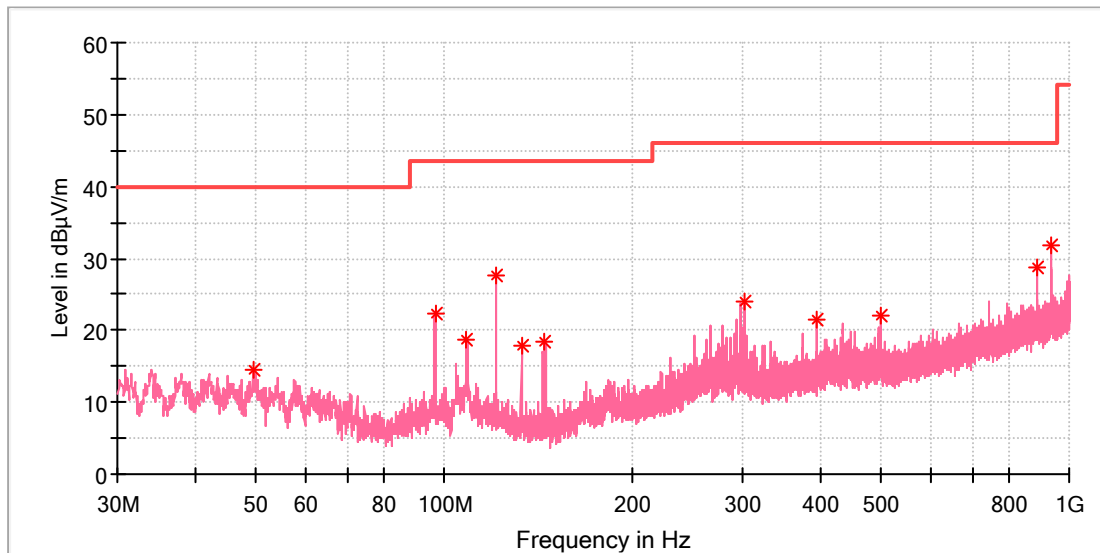
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.125000	13.79	40.00	26.21	100.0	H	355.0	-19.6
96.714444	24.40	43.50	19.10	100.0	H	15.0	-19.6
108.731667	26.46	43.50	17.04	100.0	H	30.0	-19.1
120.910556	35.37	43.50	8.13	100.0	H	53.0	-21.0
132.981667	27.30	43.50	16.20	100.0	H	211.0	-22.1
145.052778	28.89	43.50	14.61	100.0	H	53.0	-22.4
169.248889	23.78	43.50	19.72	100.0	H	15.0	-21.4
288.020000	25.76	46.00	20.24	100.0	H	211.0	-16.6
435.082778	27.20	46.00	18.80	100.0	H	110.0	-13.0
936.950000	28.62	46.00	17.38	100.0	H	37.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: A2 Quadruped Robot
Model: A2-W PRO
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168583829/A004271048-003
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.400000	14.42	40.00	25.58	100.0	V	350.0	-18.4
96.768333	22.25	43.50	21.25	100.0	V	292.0	-19.6
108.731667	18.81	43.50	24.69	100.0	V	334.0	-19.1
120.910556	27.76	43.50	15.74	100.0	V	300.0	-21.0
133.035556	17.73	43.50	25.77	100.0	V	308.0	-22.1
145.052778	18.51	43.50	24.99	100.0	V	300.0	-22.4
302.677778	24.03	46.00	21.97	100.0	V	227.0	-16.2
395.097222	21.47	46.00	24.53	100.0	V	235.0	-13.9
498.132778	22.14	46.00	23.86	100.0	V	259.0	-11.9
890.982778	28.77	46.00	17.23	100.0	V	342.0	-4.9
937.542778	31.84	46.00	14.16	100.0	V	227.0	-4.4

Final Result

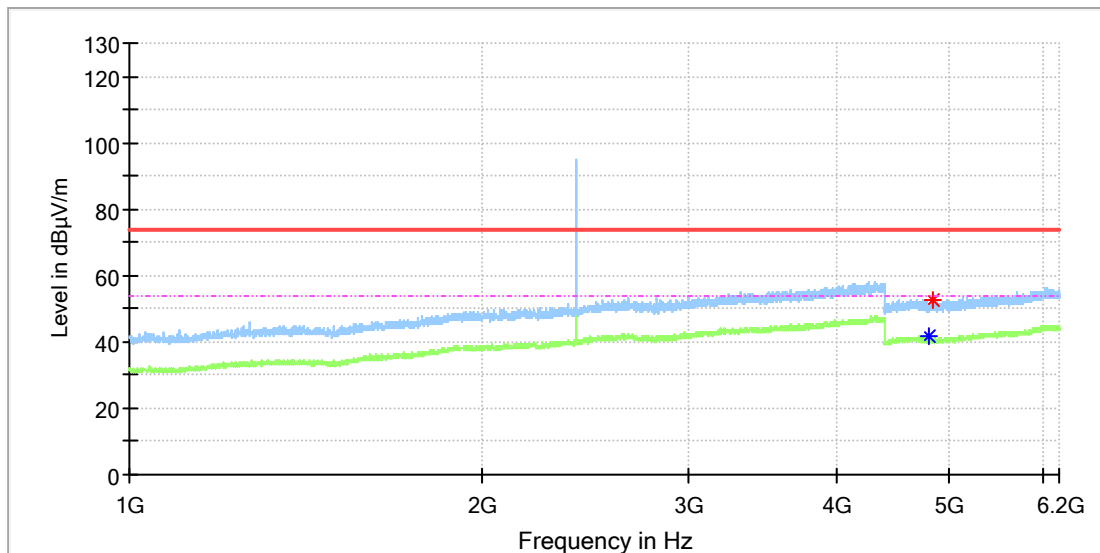
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

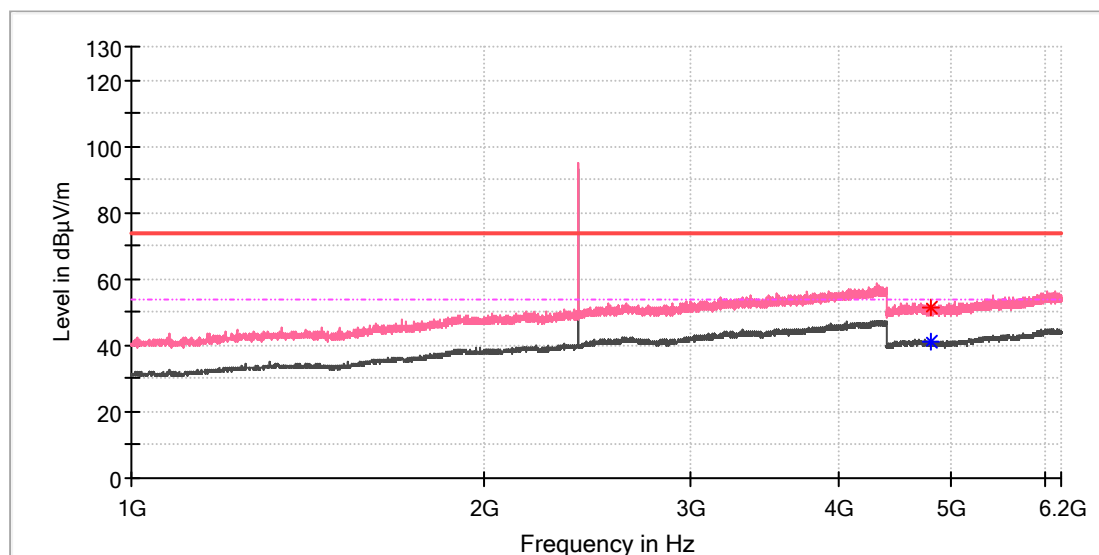
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
4805.500000	---	41.43	54.00	12.57	150.0	H	251.0	13.3
4832.000000	52.41	---	74.00	21.59	150.0	H	27.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

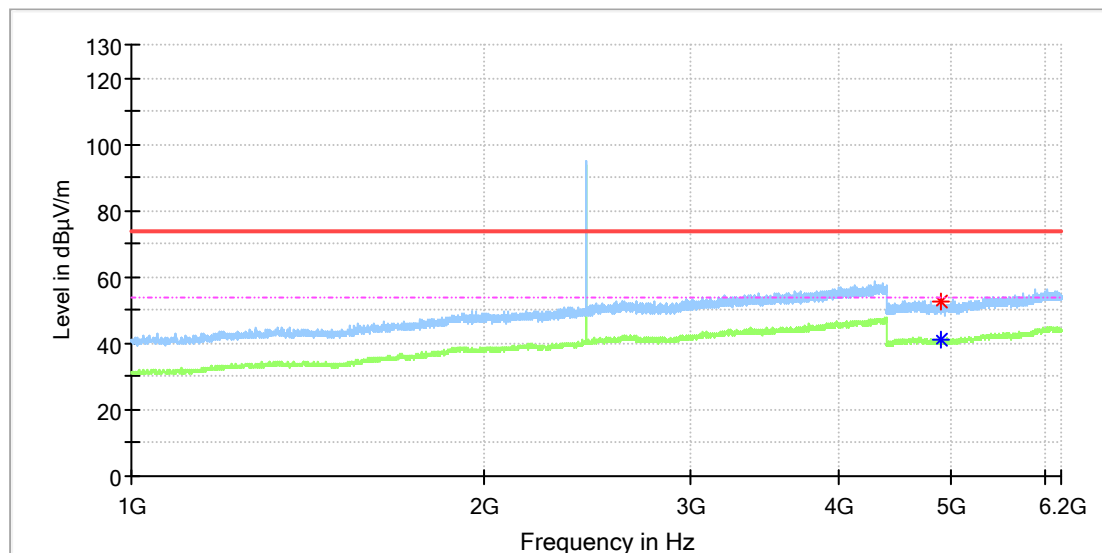
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4806.000000	51.64	---	74.00	22.36	150.0	V	293.0	13.3
4808.000000	---	40.91	54.00	13.09	150.0	V	190.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

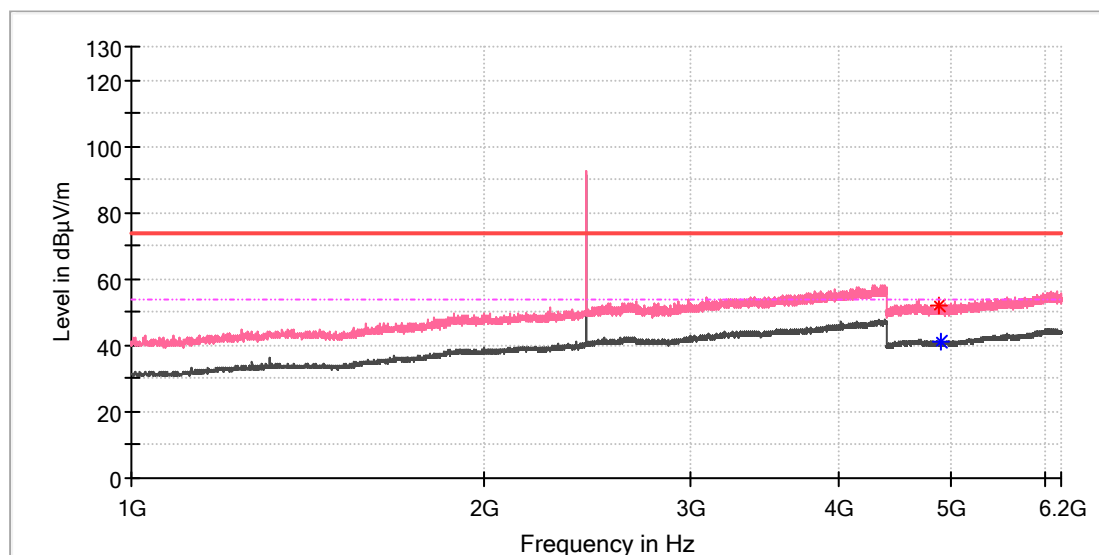
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4902.000000	---	40.83	54.00	13.17	150.0	H	54.0	13.3
4903.500000	52.78	---	74.00	21.22	150.0	H	195.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

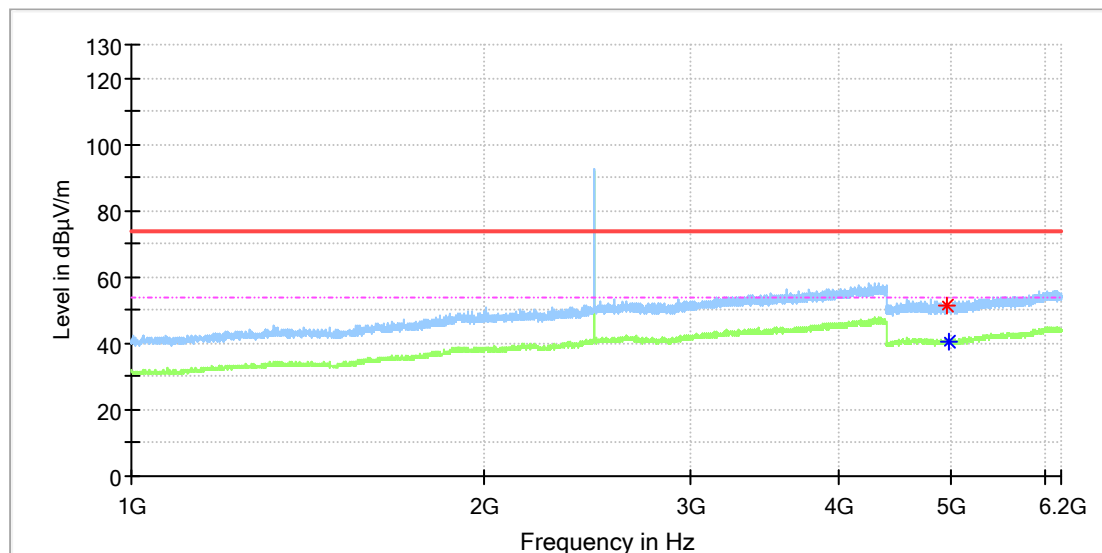
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4877.500000	51.89	---	74.00	22.11	150.0	V	284.0	13.3
4896.500000	---	40.87	54.00	13.13	150.0	V	76.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

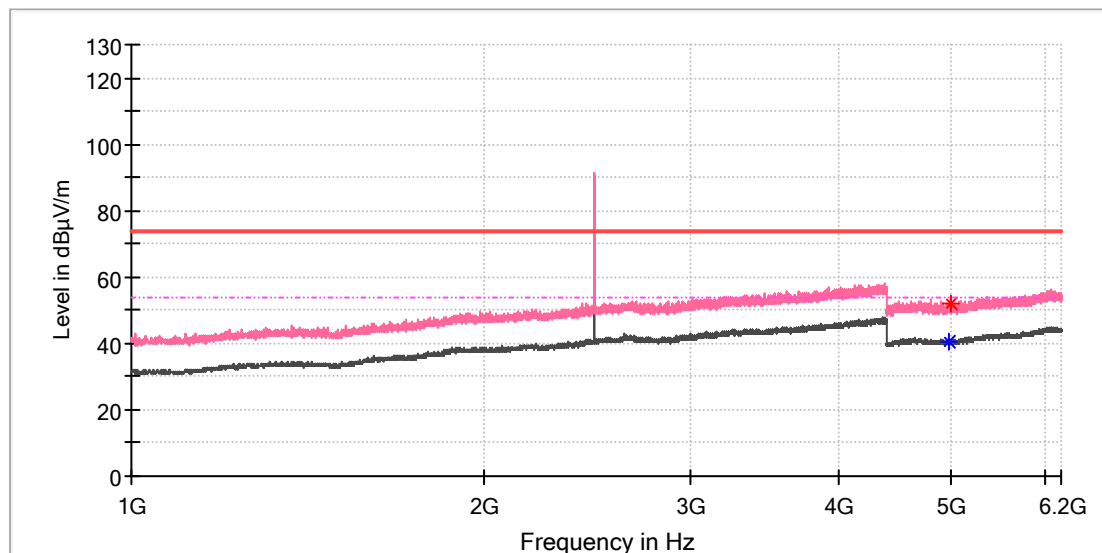
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4955.000000	51.43	---	74.00	22.57	150.0	H	123.0	13.3
4972.500000	---	40.78	54.00	13.22	150.0	H	111.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
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)
4976.000000	---	40.73	54.00	13.27	150.0	V	199.0	13.3
4987.000000	52.06	---	74.00	21.94	150.0	V	93.0	13.3

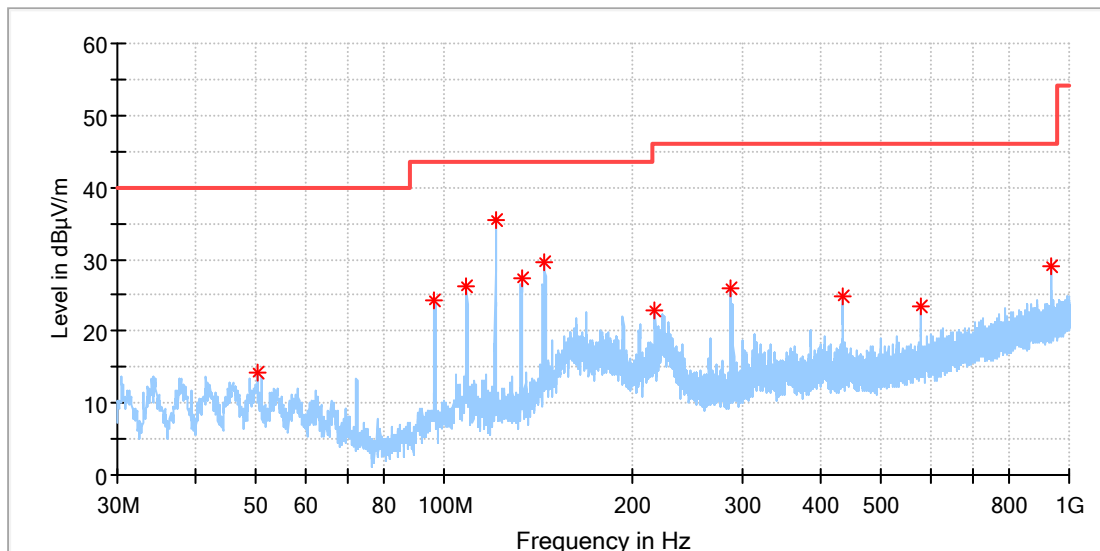
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

30MHz - 1GHz for co-location

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

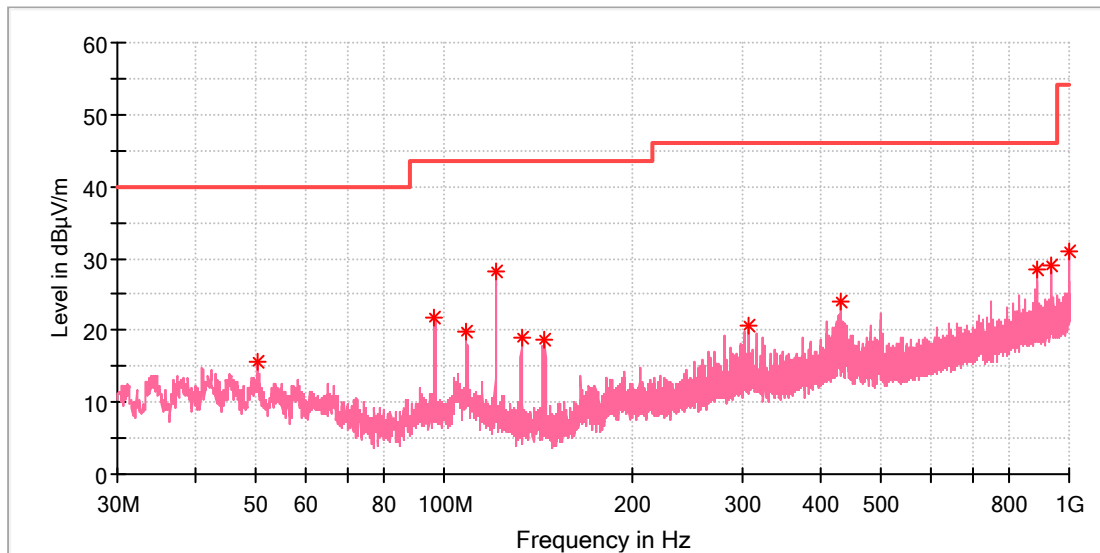
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.262222	14.10	40.00	25.90	100.0	H	299.0	-18.4
96.660556	24.42	43.50	19.08	100.0	H	0.0	-19.6
108.731667	26.17	43.50	17.33	100.0	H	25.0	-19.1
120.748889	35.37	43.50	8.13	100.0	H	58.0	-21.0
132.927778	27.35	43.50	16.15	100.0	H	66.0	-22.1
144.998889	29.60	43.50	13.90	100.0	H	50.0	-22.4
217.533333	22.81	46.00	23.19	100.0	H	275.0	-18.7
287.966111	25.89	46.00	20.11	100.0	H	209.0	-16.6
434.705556	24.82	46.00	21.18	100.0	H	108.0	-13.0
579.774444	23.48	46.00	22.52	100.0	H	259.0	-10.1
938.405000	28.92	46.00	17.08	100.0	H	25.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: A2 Quadruped Robot
Model: A2-W PRO
Test Mode: 2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No: 168583829/A004271048-003
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.370000	15.67	40.00	24.33	100.0	V	353.0	-18.4
96.606667	21.87	43.50	21.63	100.0	V	287.0	-19.6
108.731667	19.80	43.50	23.70	100.0	V	295.0	-19.1
120.802778	28.31	43.50	15.19	100.0	V	302.0	-21.0
132.981667	18.87	43.50	24.63	100.0	V	310.0	-22.1
144.945000	18.59	43.50	24.91	100.0	V	327.0	-22.4
307.258333	20.53	46.00	25.47	100.0	V	295.0	-16.1
430.987222	23.97	46.00	22.03	100.0	V	243.0	-13.1
890.982778	28.48	46.00	17.52	100.0	V	90.0	-4.9
936.950000	28.97	46.00	17.03	100.0	V	74.0	-4.4
997.736667	30.88	54.00	23.12	100.0	V	243.0	-3.5

Final Result

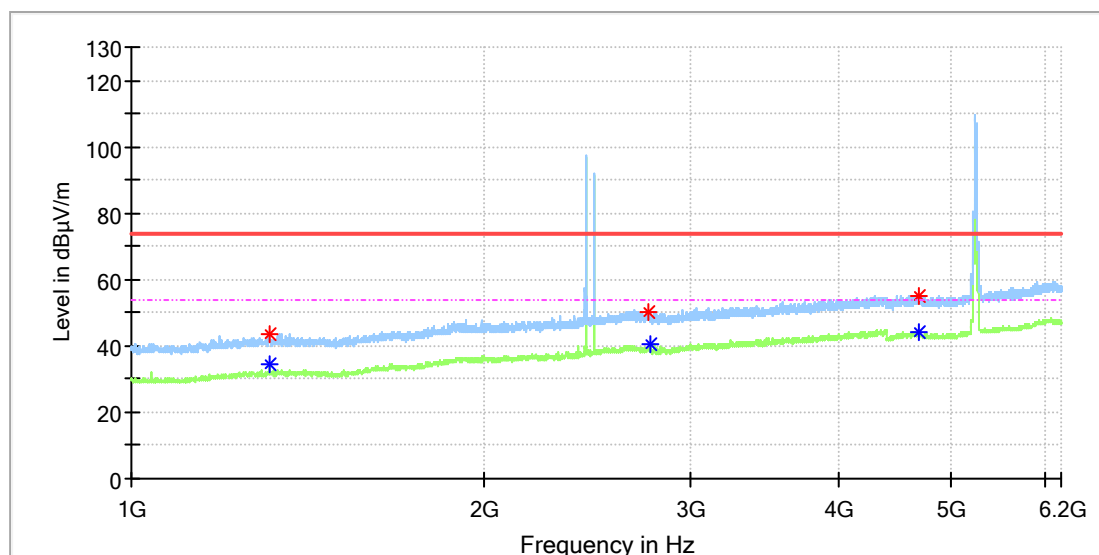
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz for co-location

Note: The highest waveform in the figure is Bluetooth / 2.4G SRD / Wi-Fi / Sub-1G Fundamental.

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

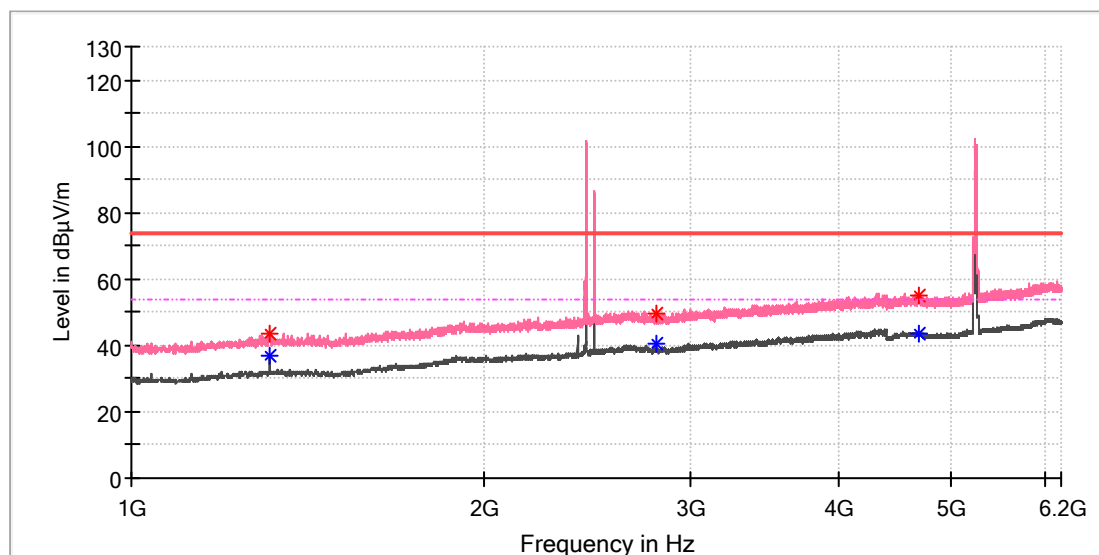
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
1312.500000	---	34.24	54.00	19.76	150.0	H	213.0	2.8
1313.000000	43.41	---	74.00	30.59	150.0	H	313.0	2.8
2757.500000	49.98	---	74.00	24.02	150.0	H	194.0	9.8
2764.000000	---	40.46	54.00	13.54	150.0	H	194.0	9.8
4693.500000	---	44.22	54.00	9.78	150.0	H	2.0	13.5
4696.500000	55.20	---	74.00	18.80	150.0	H	131.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

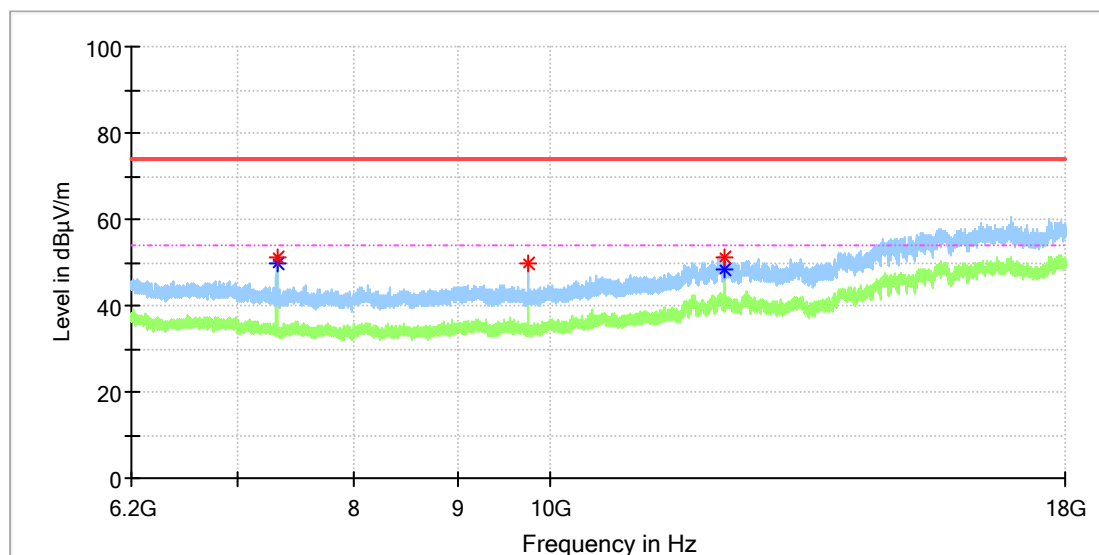
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	43.45	---	74.00	30.55	150.0	V	244.0	2.8
1312.500000	---	37.08	54.00	16.92	150.0	V	244.0	2.8
2797.000000	49.86	---	74.00	24.14	150.0	V	64.0	9.6
2797.000000	---	40.38	54.00	13.62	150.0	V	64.0	9.6
4687.500000	55.03	---	74.00	18.97	150.0	V	130.0	13.5
4690.000000	---	43.60	54.00	10.40	150.0	V	121.0	13.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

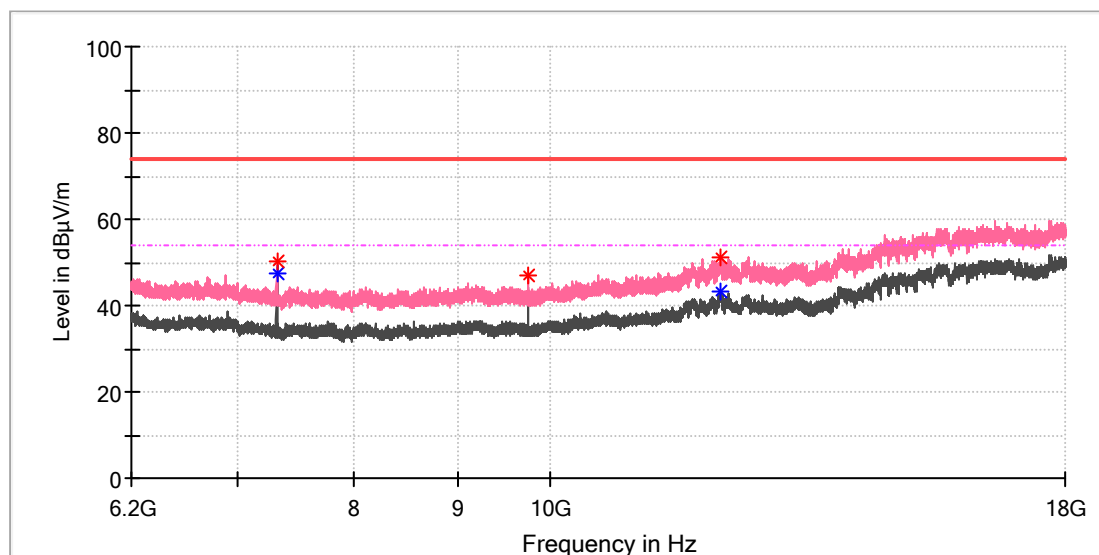
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.033333	51.28	---	74.00	22.72	150.0	H	348.0	8.2
7319.033333	---	49.72	54.00	4.28	150.0	H	348.0	8.2
9759.666667	49.54	---	68.20	18.66	150.0	H	331.0	10.4
12200.300000	51.38	---	74.00	22.62	150.0	H	166.0	15.7
12200.300000	---	48.16	54.00	5.84	150.0	H	166.0	15.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	2.4G SRD+BLE+WIFI 5G+Sub-1G
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
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)
7320.016667	---	47.66	54.00	6.34	150.0	V	291.0	8.2
7320.016667	50.13	---	74.00	23.87	150.0	V	291.0	8.2
9760.158333	47.14	---	68.20	21.06	150.0	V	239.0	10.4
12152.116667	51.15	---	74.00	22.85	150.0	V	96.0	16.6
12152.608333	---	43.09	54.00	10.91	150.0	V	6.0	16.6

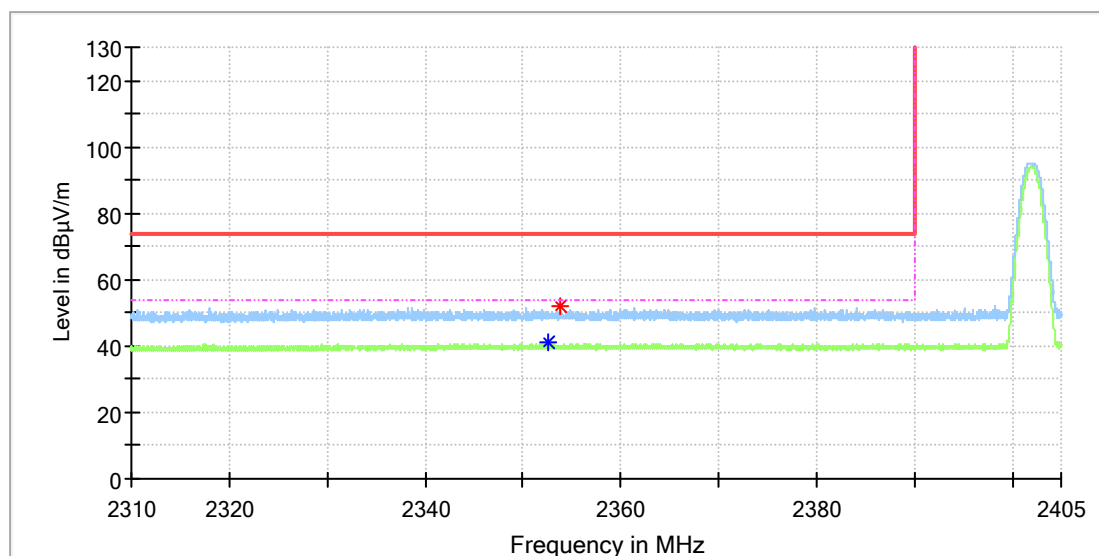
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

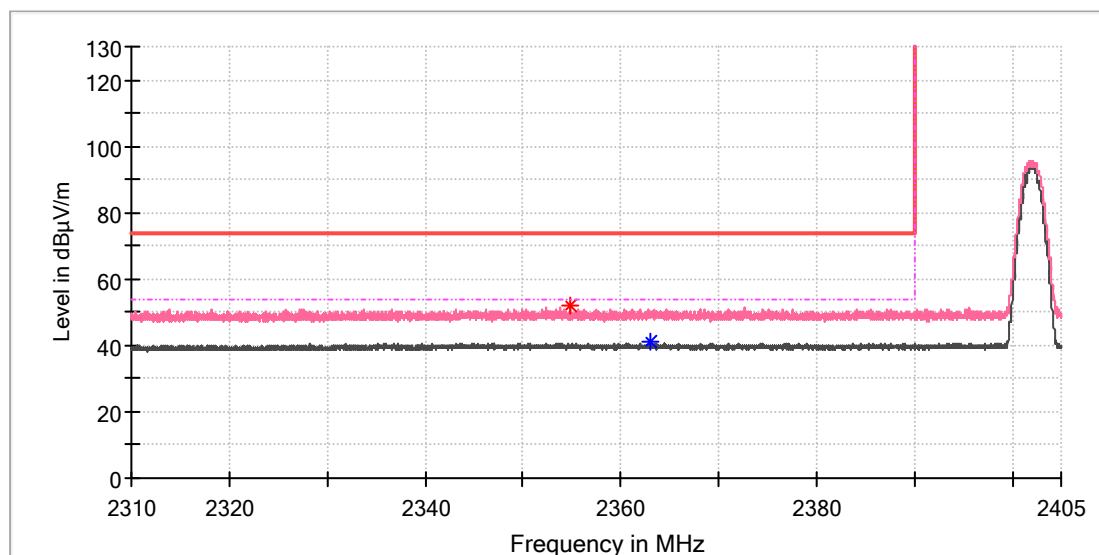
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2352.500294	---	40.96	54.00	13.04	150.0	H	329.0	8.5
2353.840588	51.89	---	74.00	22.11	150.0	H	281.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

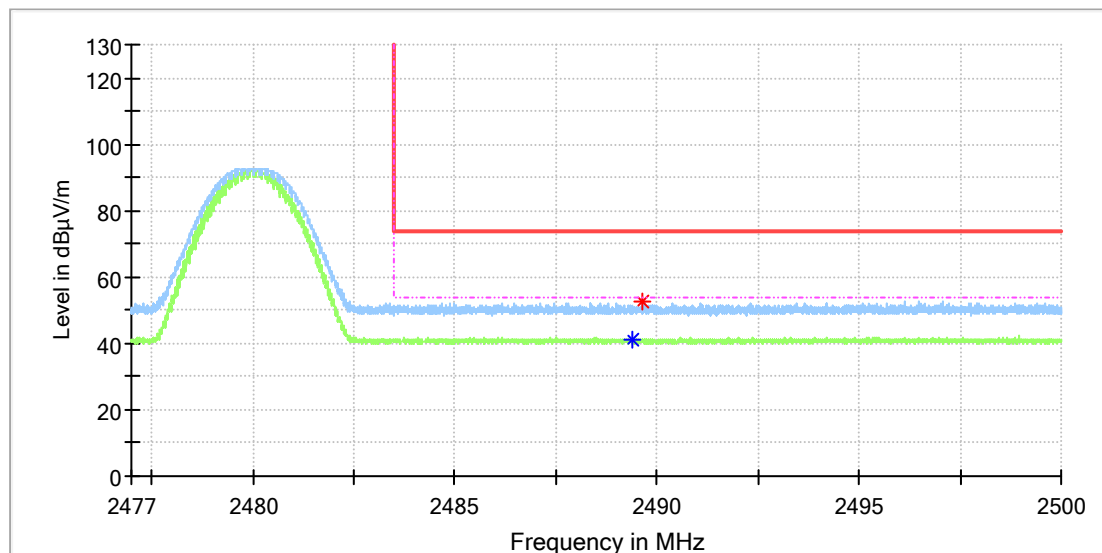
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2354.777353	51.76	---	74.00	22.24	150.0	V	212.0	8.5
2363.121765	---	41.04	54.00	12.96	150.0	V	61.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

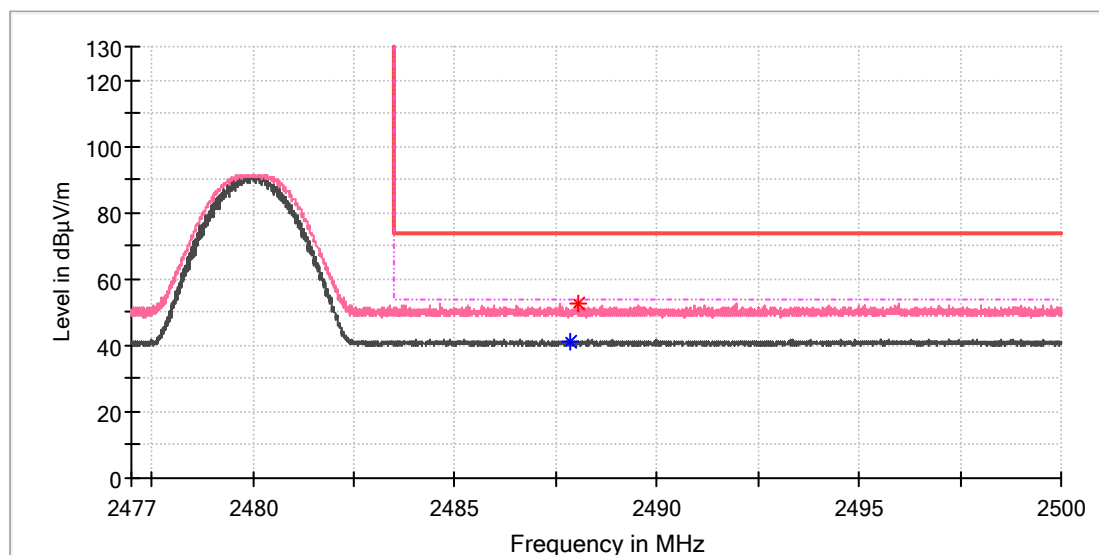
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.367647	---	41.36	54.00	12.64	150.0	H	129.0	9.0
2489.636030	52.72	---	74.00	21.28	150.0	H	4.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

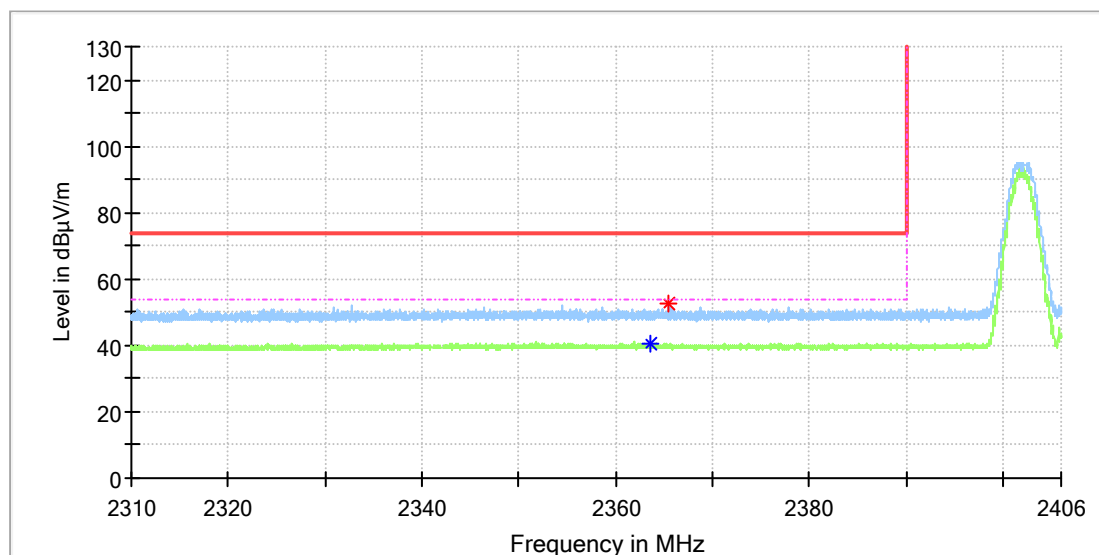
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.871324	---	41.19	54.00	12.81	150.0	V	224.0	9.0
2488.073530	52.64	---	74.00	21.36	150.0	V	324.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

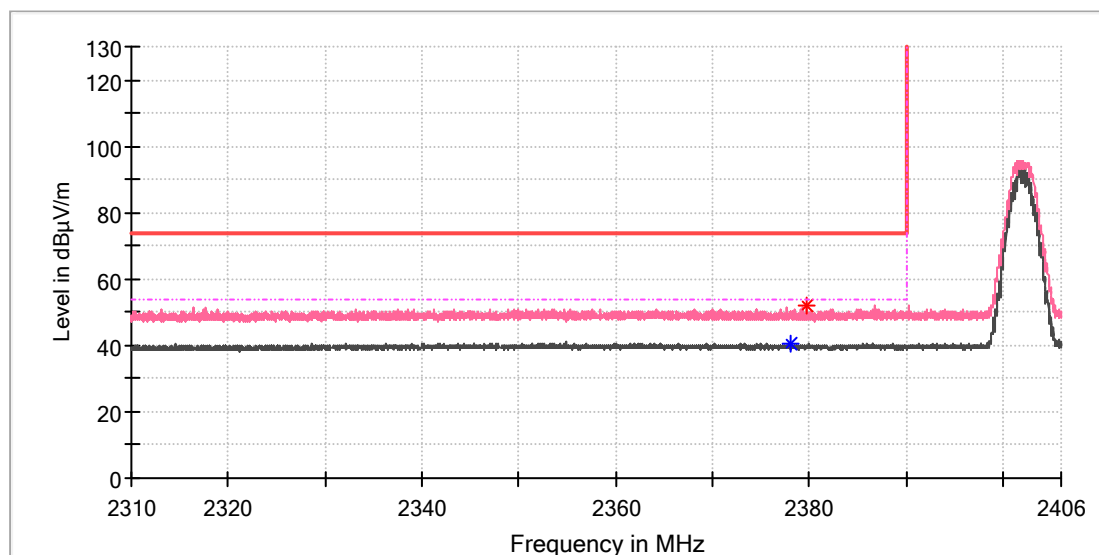
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2363.683824	---	40.60	54.00	13.40	150.0	H	6.0	8.5
2365.542941	52.49	---	74.00	21.51	150.0	H	13.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

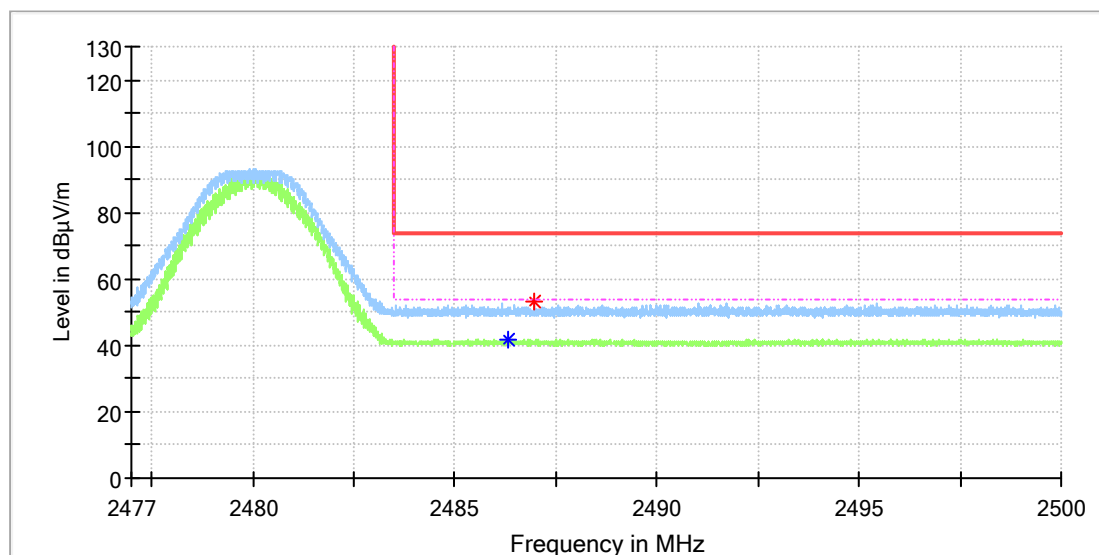
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2378.009118	---	40.51	54.00	13.49	150.0	V	155.0	8.5
2379.738529	52.23	---	74.00	21.77	150.0	V	329.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

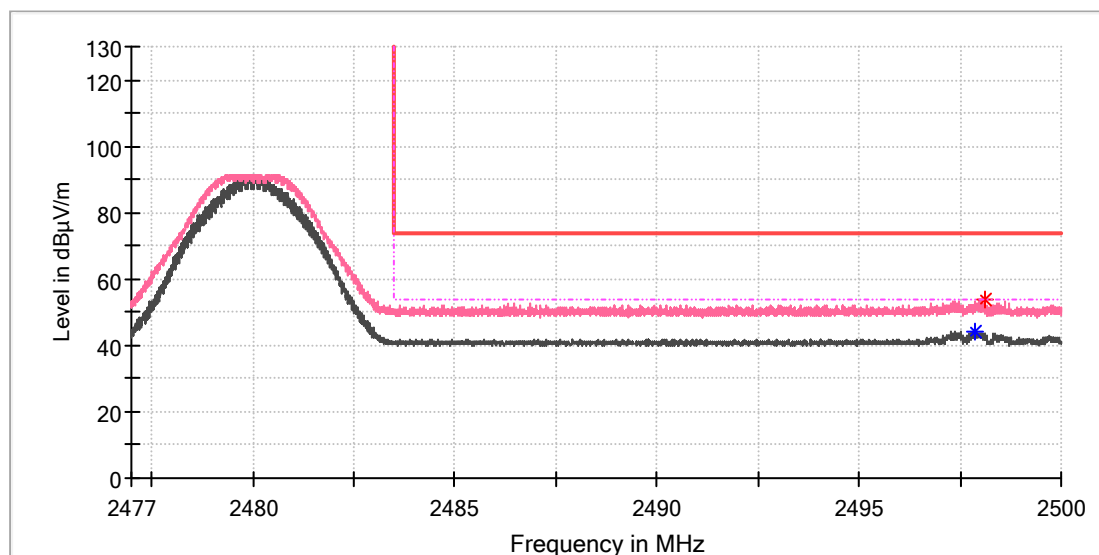
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.308824	---	41.87	54.00	12.13	150.0	H	252.0	9.0
2486.970588	53.01	---	74.00	20.99	150.0	H	252.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	A2 Quadruped Robot
Model:	A2-W PRO
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168583829/A004271048-003
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
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)
2497.886029	---	44.12	54.00	9.88	150.0	V	91.0	9.0
2498.110294	53.74	---	74.00	20.26	150.0	V	59.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---