

Appendix C: Test Results of BLE

APPENDIX C: TEST RESULTS OF BLE	1
APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH	5
APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH.....	8
APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	11
<i>Conducted Spurious Emission</i>	11
<i>Bandedge</i>	18
APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	21
30MHz - 1GHz	21
1GHz - 18GHz	23
APPENDIX C.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	35
APPENDIX C.7: TEST RESULTS OF AC CONDUCTED EMISSIONS	43

Appendix C.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.60	≤8.00	PASS
		2440	-11.27	≤8.00	PASS
		2480	-12.69	≤8.00	PASS
BLE_2M	Ant1	2402	-13.87	≤8.00	PASS
		2440	-14.58	≤8.00	PASS
		2480	-15.98	≤8.00	PASS

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 C.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.656	2402.324	0.5	PASS
		2440	0.656	2439.664	2440.320	0.5	PASS
		2480	0.680	2479.648	2480.328	0.5	PASS
BLE_2M	Ant1	2402	1.176	2401.392	2402.568	0.5	PASS
		2440	1.244	2439.336	2440.580	0.5	PASS
		2480	1.324	2479.324	2480.648	0.5	PASS



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



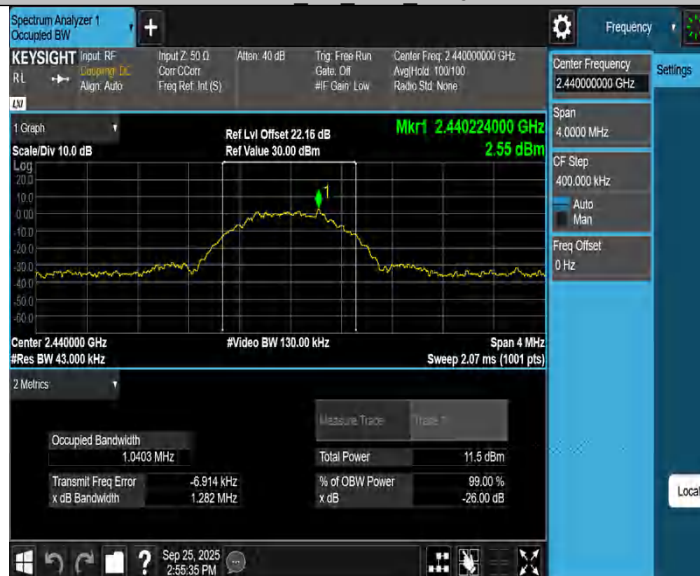
Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0384	2401.4752	2402.5136	---	---
		2440	1.0403	2439.4729	2440.5132	---	---
		2480	1.0420	2479.4741	2480.5161	---	---
BLE_2M	Ant1	2402	2.0866	2400.9571	2403.0437	---	---
		2440	2.0888	2438.9649	2441.0537	---	---
		2480	2.1149	2478.9430	2481.0579	---	---

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 C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

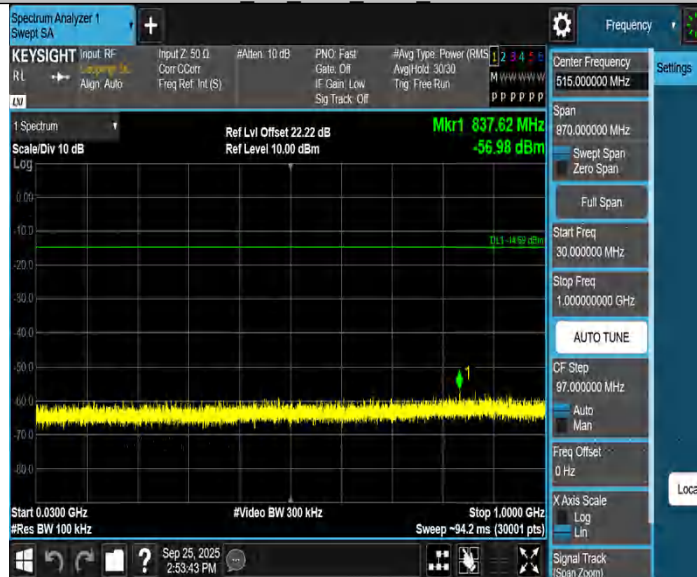
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-56.98	≤-14.69	PASS
			1000~26500	5.31	-49.09	≤-14.69	PASS
		2440	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-58.16	≤-16.13	PASS
			1000~26500	3.87	-49.3	≤-16.13	PASS
		2480	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-57.36	≤-17.69	PASS
			1000~26500	2.31	-49.28	≤-17.69	PASS
BLE_2M	Ant1	2402	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-57.31	≤-15.78	PASS
			1000~26500	4.22	-49.19	≤-15.78	PASS
		2440	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-57.84	≤-16.48	PASS
			1000~26500	3.52	-48.69	≤-16.48	PASS
		2480	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-57.07	≤-18.14	PASS
			1000~26500	1.86	-48.81	≤-18.14	PASS

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



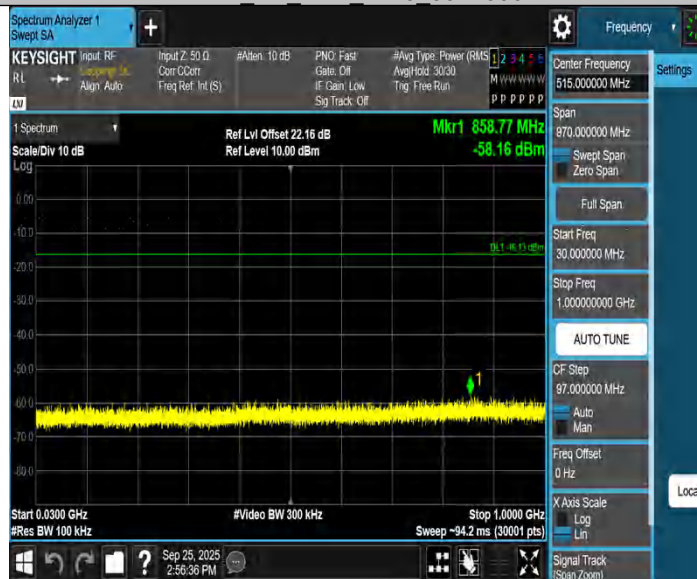
BLE 1M Ant1 2402 1000~26500



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



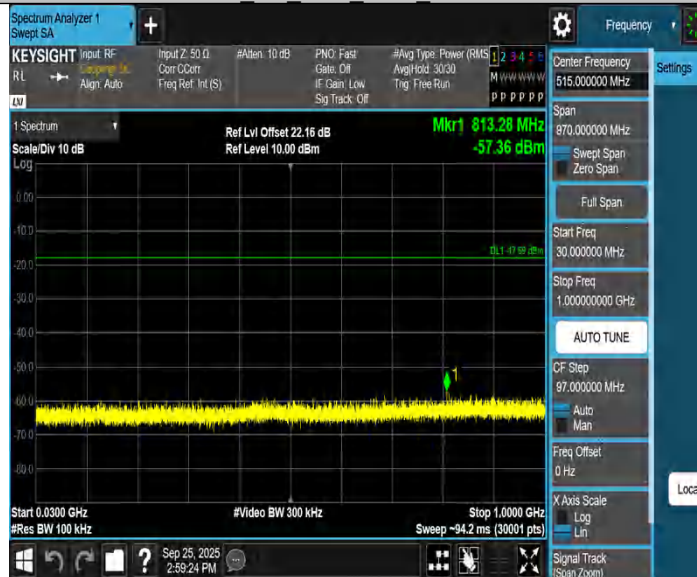
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



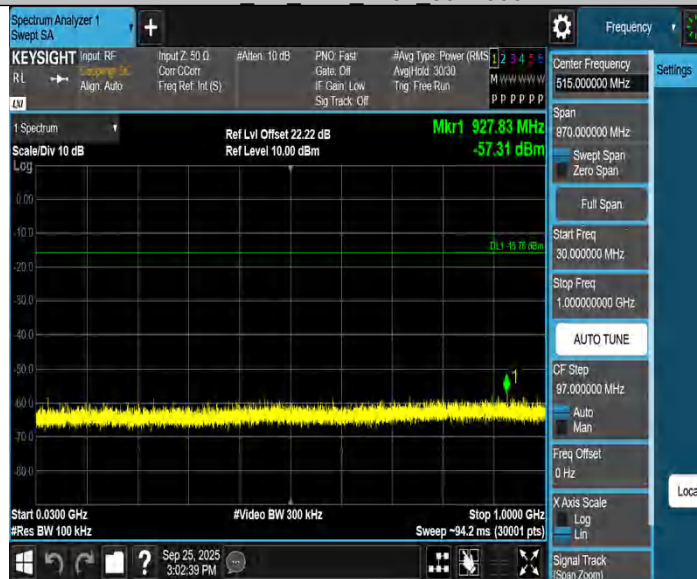
BLE 1M Ant1 2480 1000~26500



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



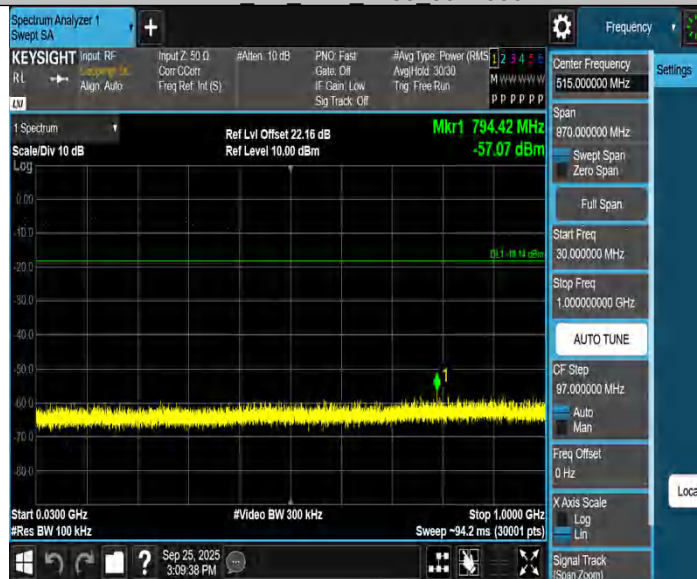
BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE 2M Ant1 2480 1000~26500



Bandedge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.64	-41.55	≤-15.36	PASS
		High	2480	2.44	-40.47	≤-17.56	PASS
BLE_2M	Ant1	Low	2402	3.88	-28.49	≤-16.12	PASS
		High	2480	1.57	-40.42	≤-18.43	PASS

BLE 1M Ant1 Low 2402

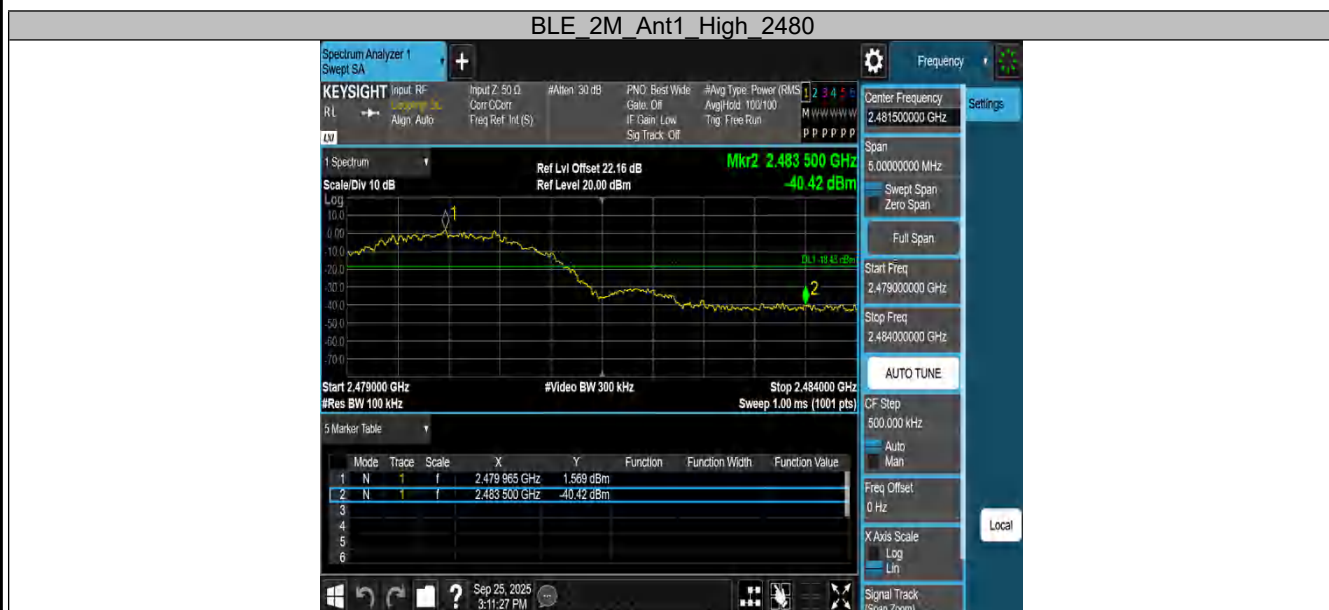


BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402





Appendix C.5: Test Results of Radiated Spurious Emissions

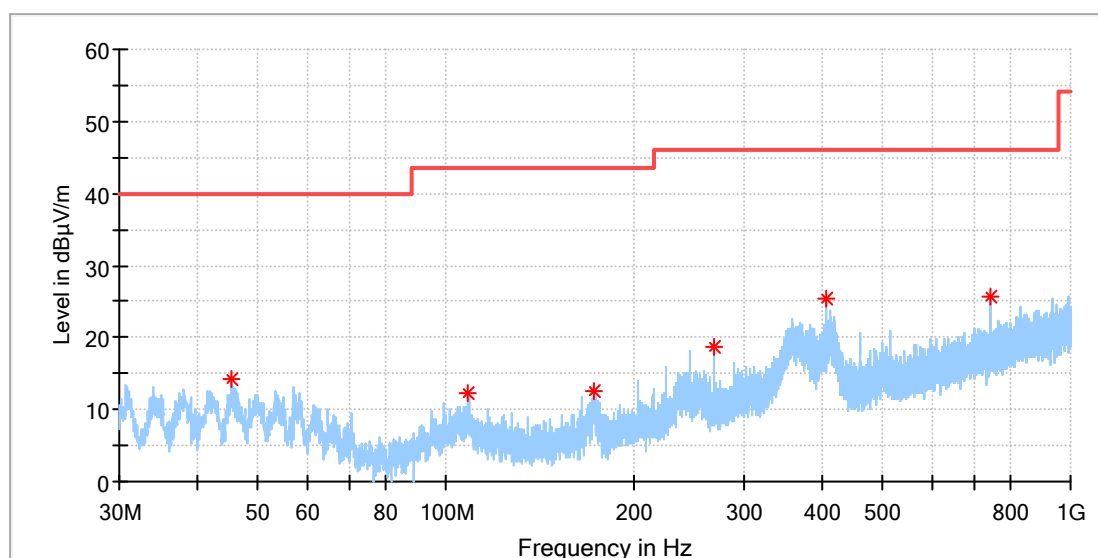
Note:

- 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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

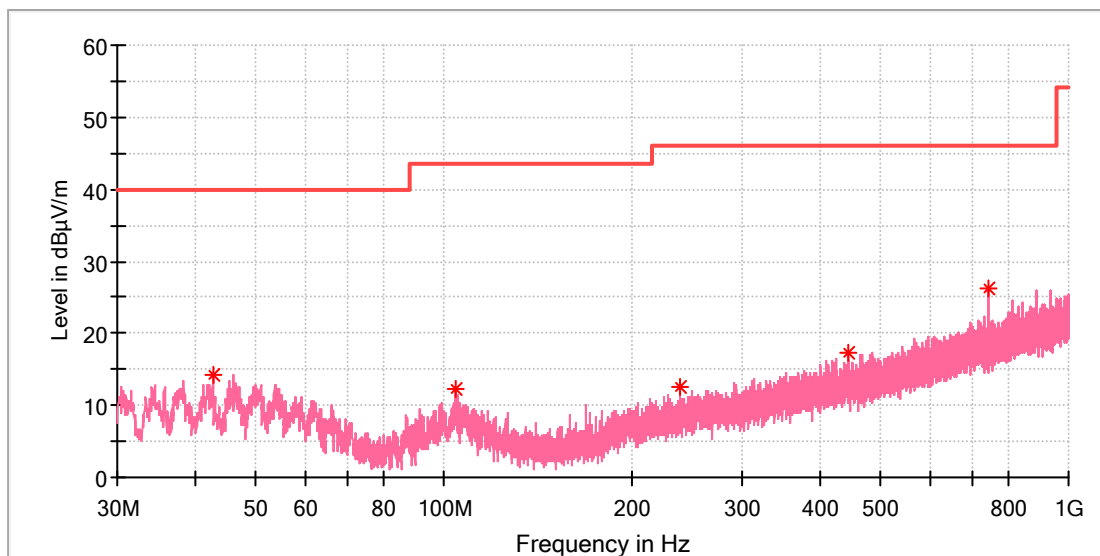
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.408077	14.30	40.00	25.70	100.0	H	157.0	-18.9
108.756539	12.15	43.50	31.35	100.0	H	32.0	-19.1
172.478077	12.55	43.50	30.95	100.0	H	283.0	-21.2
267.873846	18.80	46.00	27.20	100.0	H	240.0	-17.0
405.016923	25.34	46.00	20.66	100.0	H	198.0	-13.6
742.502308	25.75	46.00	20.25	100.0	H	8.0	-7.2

Final_Result

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

EUT Information

EUT Name: Unmanned Aircraft
Model: FMAWZVM
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168575451/A004089180-009
Test Voltage:: Battery
Remark: Temp 24 Humi:50%
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)
42.647308	14.17	40.00	25.83	100.0	V	102.0	-19.5
104.690000	12.17	43.50	31.33	100.0	V	347.0	-18.9
239.296154	12.64	46.00	33.36	100.0	V	102.0	-17.7
442.436539	17.27	46.00	28.73	100.0	V	239.0	-12.9
742.502308	26.29	46.00	19.71	100.0	V	330.0	-7.2

Final_Result

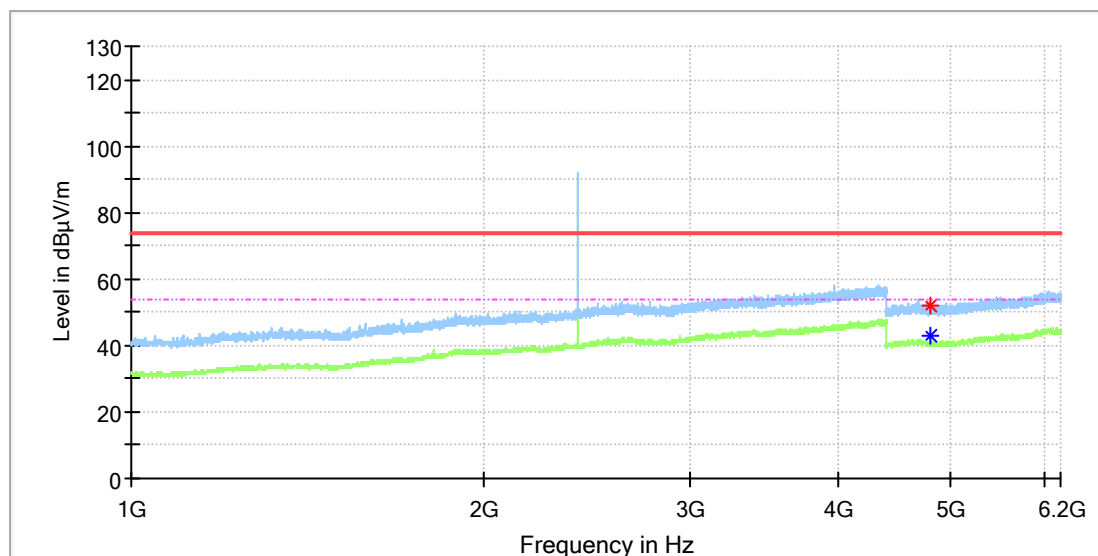
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

Note: The highest waveform in the figure is BLE Fundamental

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

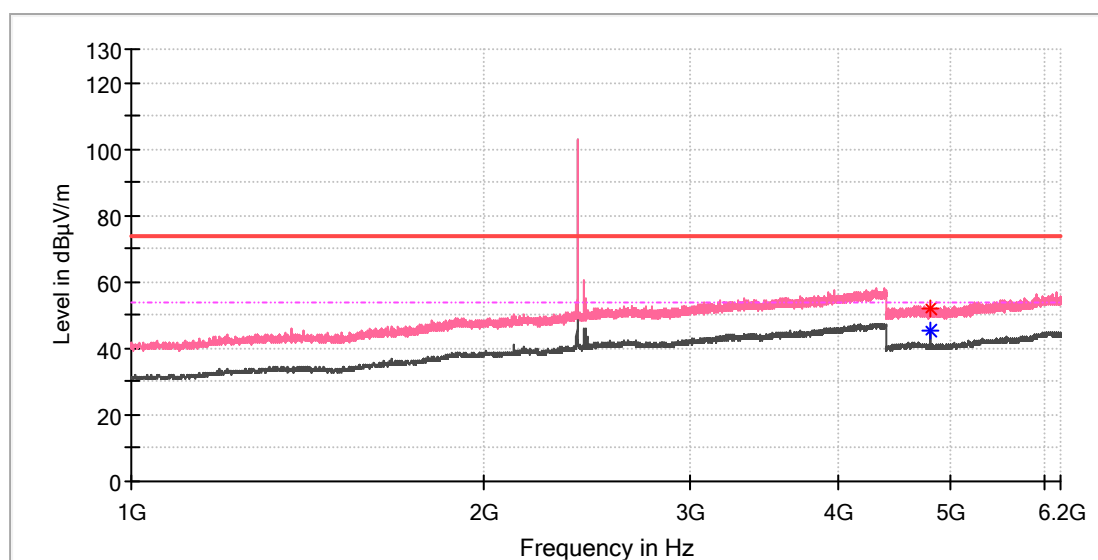
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	43.09	54.00	10.91	150.0	H	323.0	13.3
4805.500000	51.94	---	74.00	22.06	150.0	H	269.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
90.000	-68.70	-68.70	-68.70	11.30	100.00	V	0.00	0.00

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

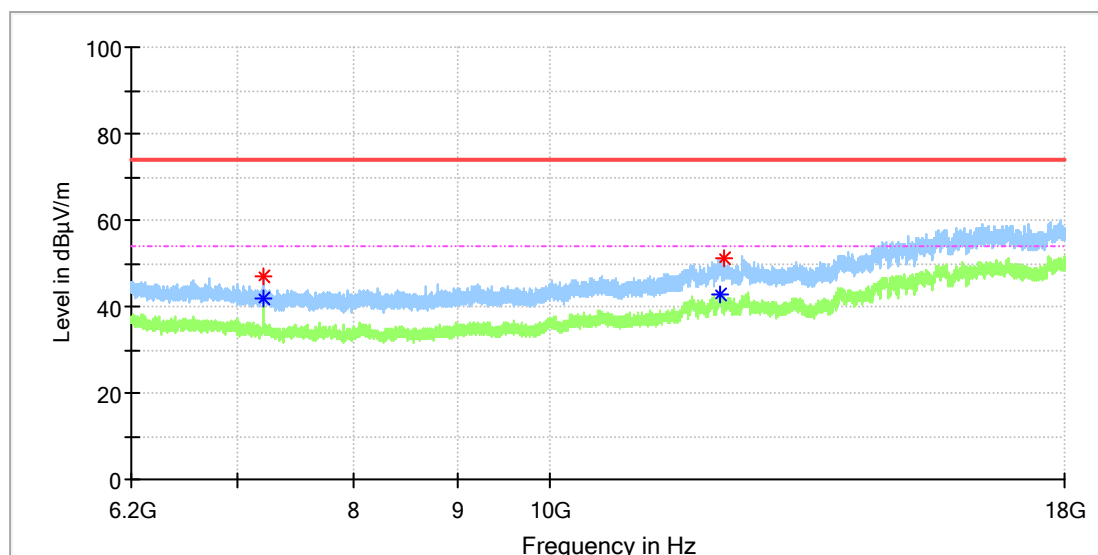
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	45.11	54.00	8.89	150.0	V	100.0	13.3
4804.500000	52.27	---	74.00	21.73	150.0	V	173.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

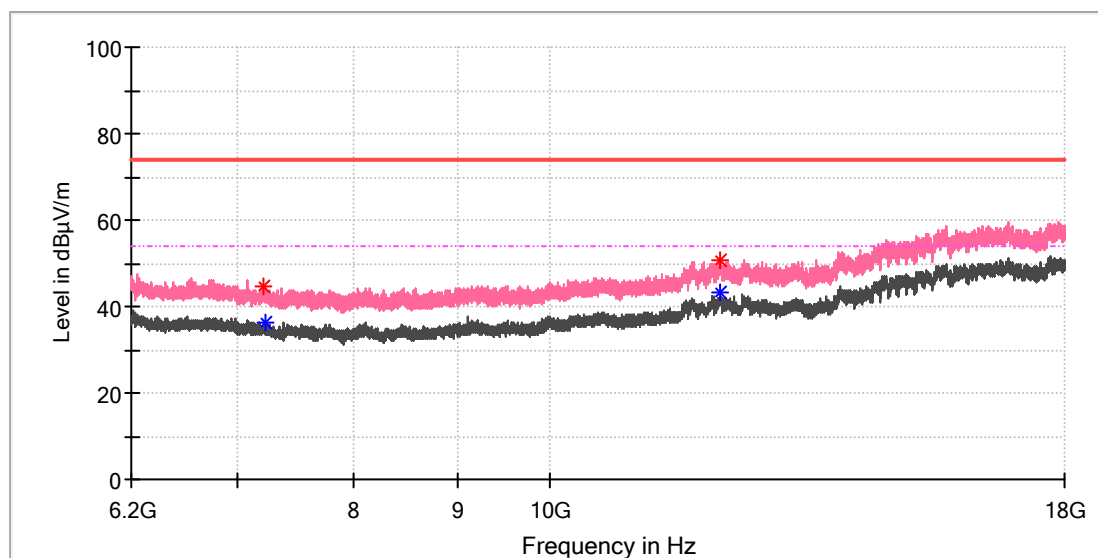
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	41.83	54.00	12.17	150.0	H	165.0	8.8
7205.458333	46.95	---	74.00	27.05	150.0	H	165.0	8.8
12148.183333	---	42.92	54.00	11.08	150.0	H	68.0	16.7
12213.083333	51.05	---	74.00	22.95	150.0	H	0.0	15.8

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

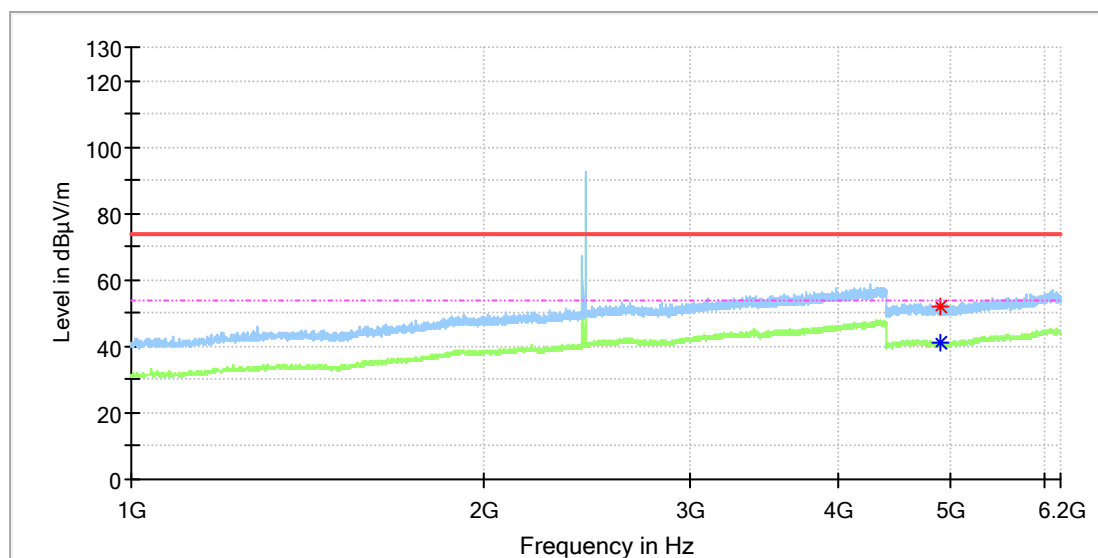
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7212.833333	44.69	---	74.00	29.31	150.0	V	13.0	8.7
7223.650000	---	36.30	54.00	17.70	150.0	V	327.0	8.7
12134.908333	50.52	---	74.00	23.48	150.0	V	209.0	16.3
12145.233333	---	43.30	54.00	10.70	150.0	V	354.0	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)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

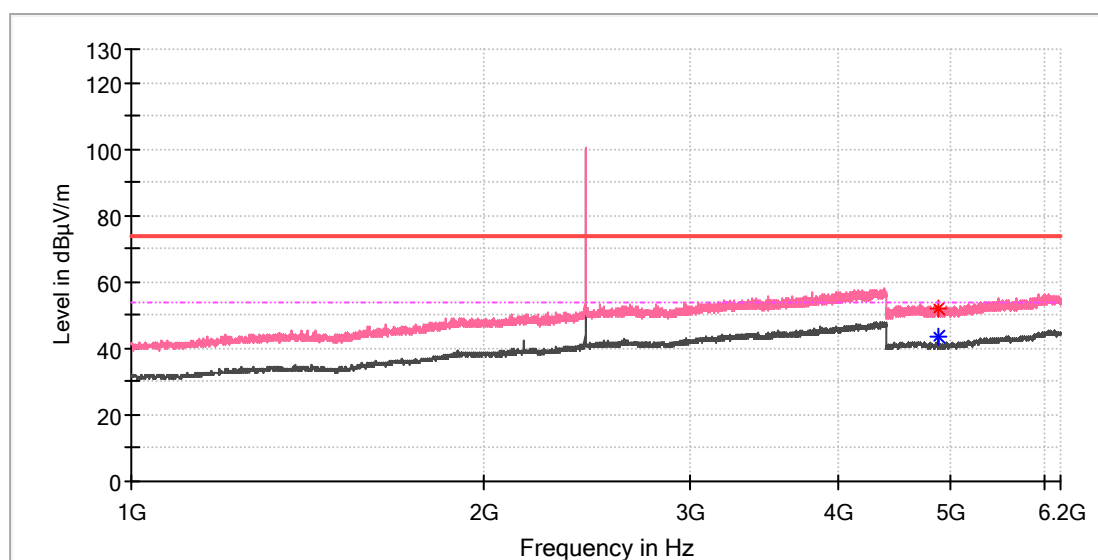
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4894.000000	51.94	---	74.00	22.06	150.0	H	36.0	13.3
4905.000000	---	41.40	54.00	12.60	150.0	H	10.0	13.3

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

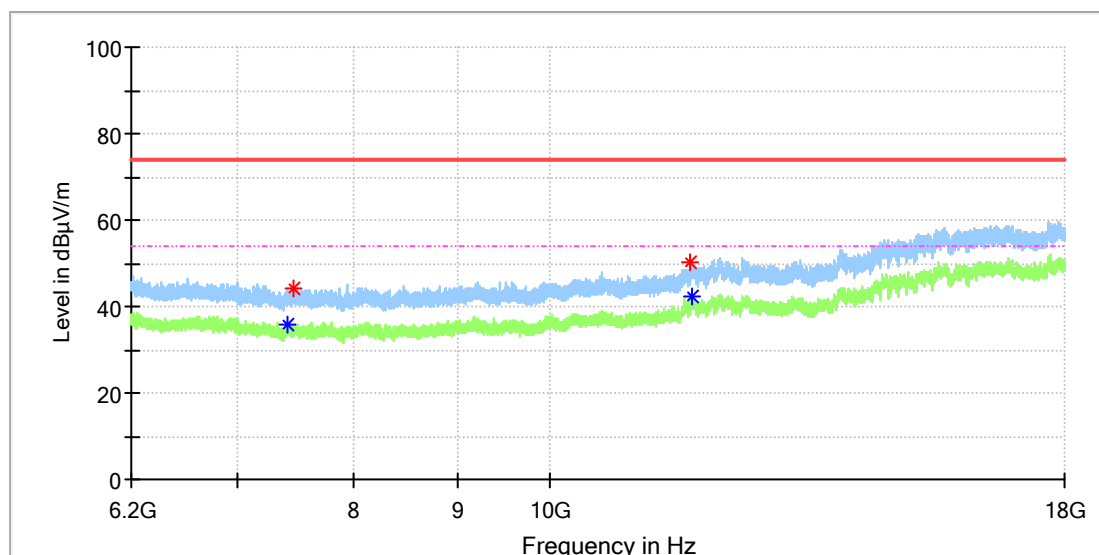
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	52.25	---	74.00	21.75	150.0	V	3.0	13.3
4880.000000	---	43.64	54.00	10.36	150.0	V	104.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

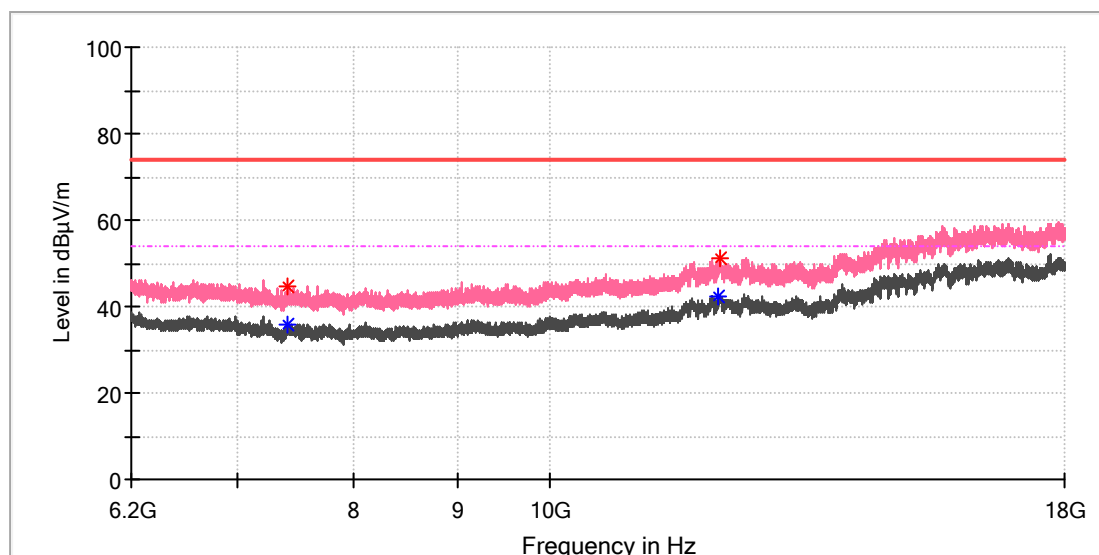
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7413.433333	---	36.01	54.00	17.99	150.0	H	190.0	8.3
7468.500000	44.26	---	74.00	29.74	150.0	H	5.0	8.6
11745.016667	50.41	---	74.00	23.59	150.0	H	154.0	15.2
11773.533333	---	42.33	54.00	11.67	150.0	H	329.0	15.2

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

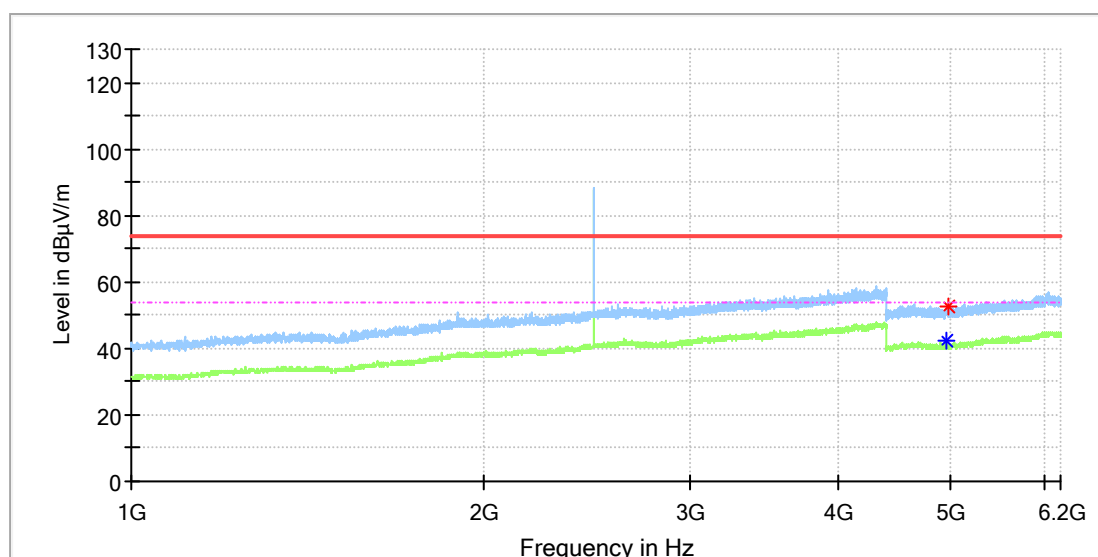
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7409.500000	---	35.96	54.00	18.04	150.0	V	352.0	8.3
7419.333333	44.53	---	74.00	29.47	150.0	V	290.0	8.4
12130.975000	---	42.42	54.00	11.58	150.0	V	63.0	16.2
12150.150000	51.31	---	74.00	22.69	150.0	V	63.0	16.7

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

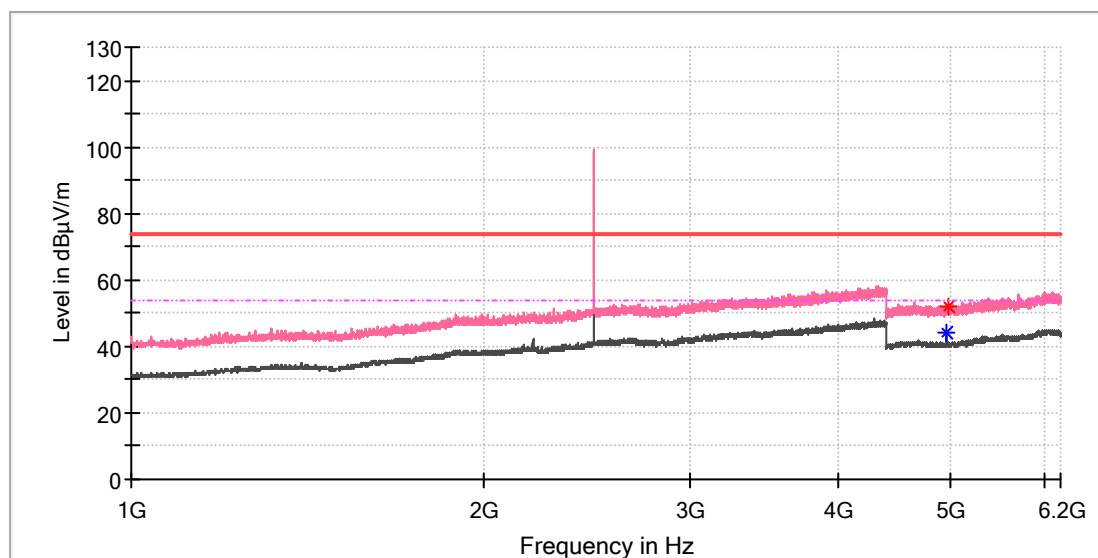
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	42.42	54.00	11.58	150.0	H	198.0	13.3
4972.000000	52.40	---	74.00	21.60	150.0	H	101.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

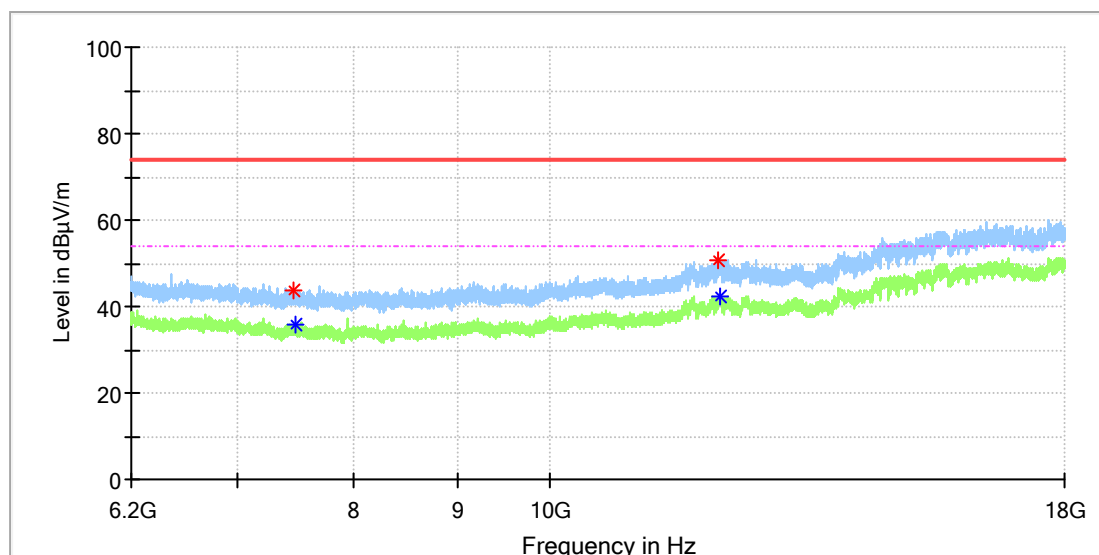
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	43.86	54.00	10.14	150.0	V	162.0	13.3
4968.000000	52.09	---	74.00	21.91	150.0	V	357.0	13.3

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

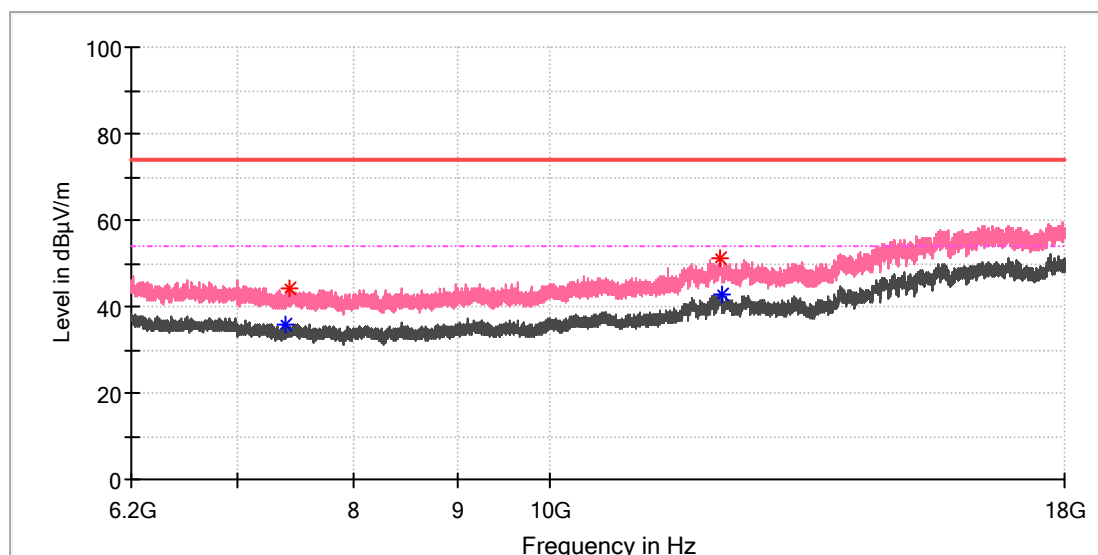
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7460.633333	43.87	---	74.00	30.13	150.0	H	198.0	8.5
7482.758333	---	36.00	54.00	18.00	150.0	H	71.0	8.7
12128.025000	50.74	---	74.00	23.26	150.0	H	248.0	16.2
12140.316667	---	42.30	54.00	11.70	150.0	H	346.0	16.5

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
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)
7401.633333	---	35.95	54.00	18.05	150.0	V	256.0	8.3
7434.083333	44.05	---	74.00	29.95	150.0	V	164.0	8.4
12155.558333	51.09	---	74.00	22.91	150.0	V	130.0	16.4
12160.966667	---	43.02	54.00	10.98	150.0	V	142.0	16.2

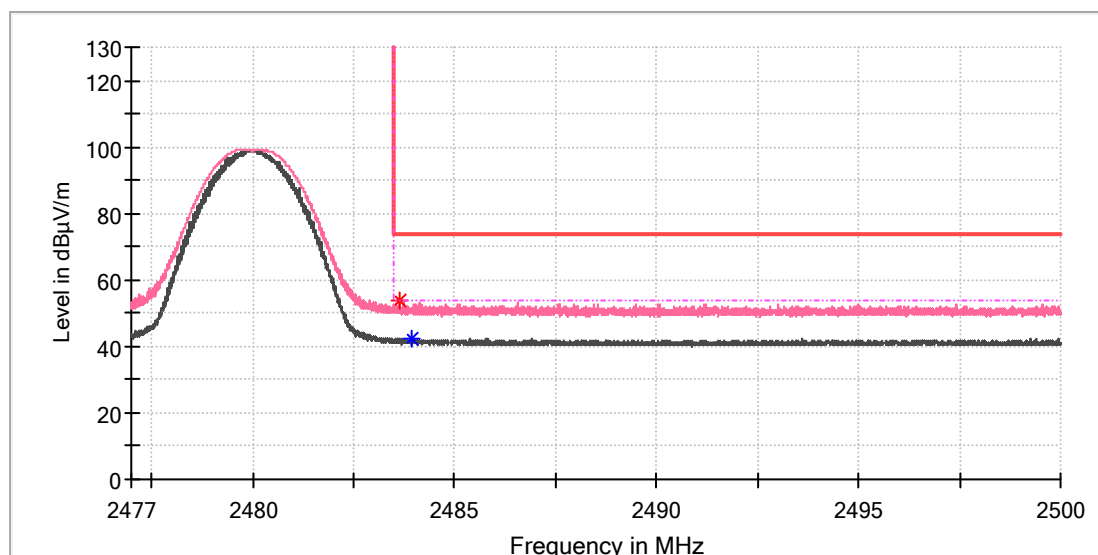
Final Result

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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

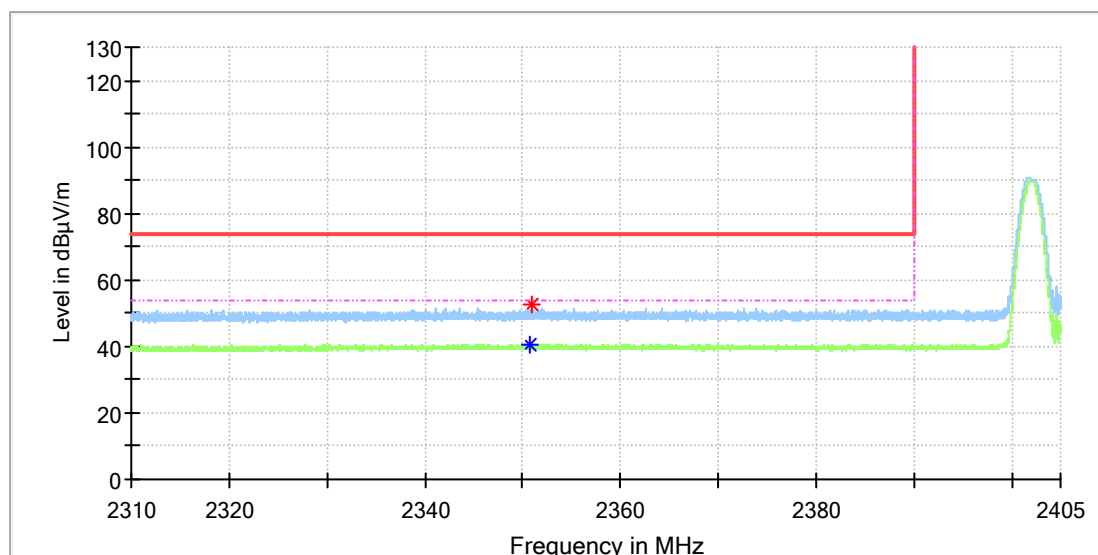
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.626030	53.92	---	74.00	20.08	150.0	V	249.0	9.0
2483.947353	---	42.32	54.00	11.68	150.0	V	319.0	9.0

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

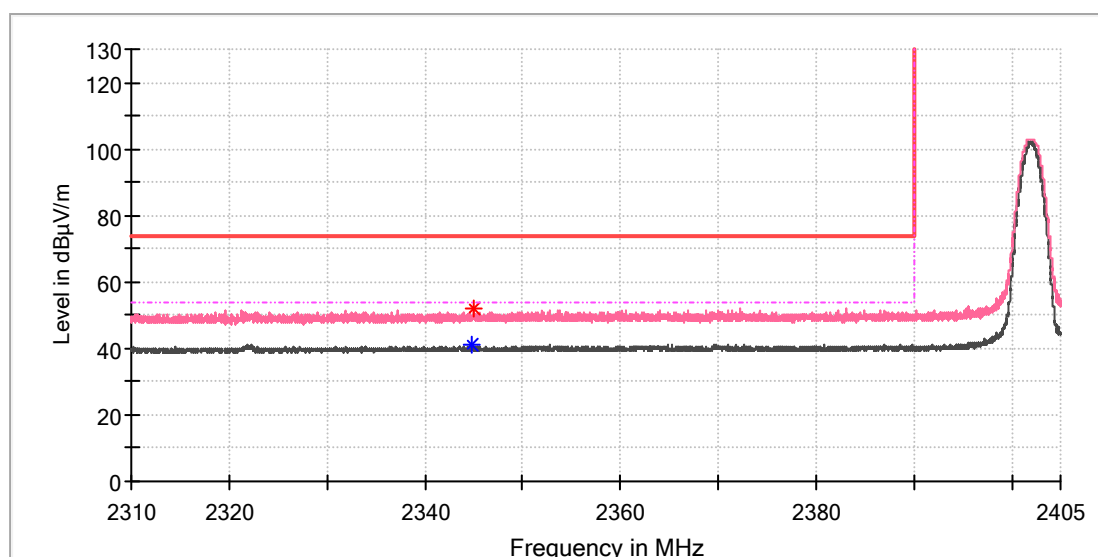
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2350.710294	---	40.78	54.00	13.22	150.0	H	46.0	8.5
2350.891912	52.61	---	74.00	21.39	150.0	H	356.0	8.5

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:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

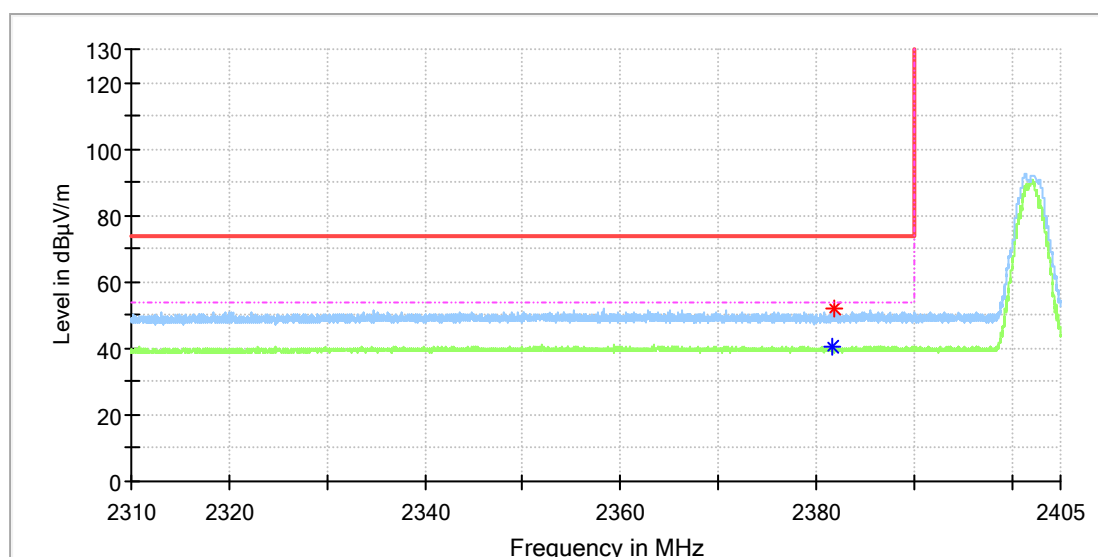
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2344.786765	---	41.12	54.00	12.88	150.0	V	222.0	8.4
2345.010294	52.06	---	74.00	21.94	150.0	V	7.0	8.4

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	122.5	122.5	0.0	1.0	0	0	0

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

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

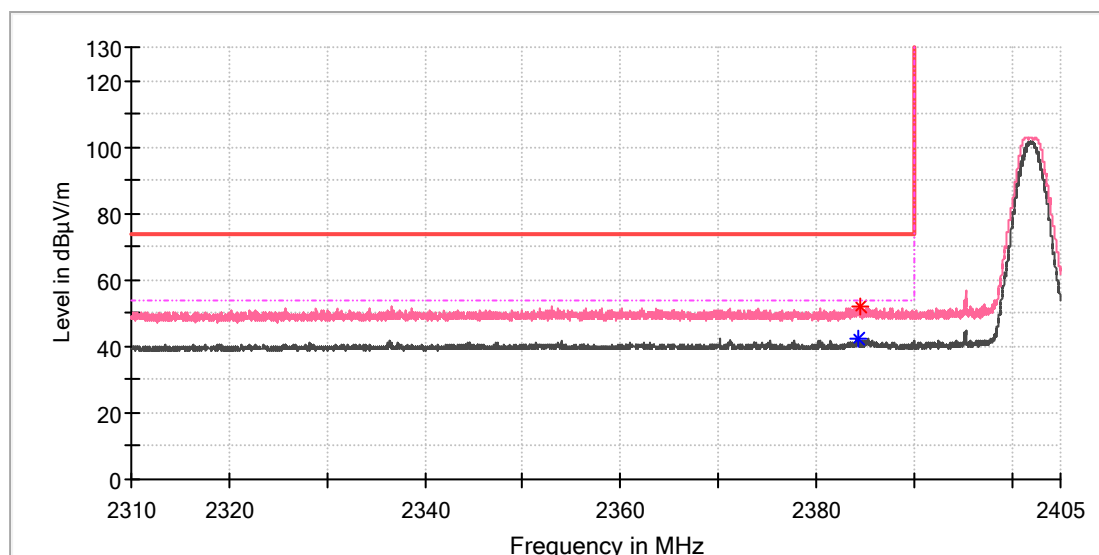


Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.655147	---	40.58	54.00	13.42	150.0	H	0.0	8.5
2381.920588	52.14	---	74.00	21.87	150.0	H	133.0	8.5

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Unmanned Aircraft
Model:	FMAWZVM
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168575451/A004089180-009
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

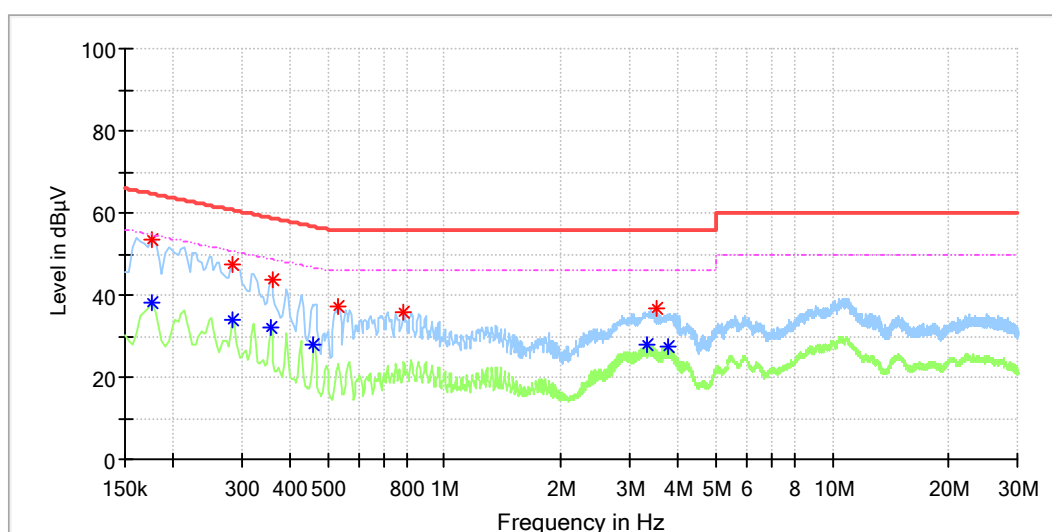
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.281618	---	42.30	54.00	11.70	150.0	V	346.0	8.5
2384.602941	51.80	---	74.00	22.20	150.0	V	158.0	8.5

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:	Unmanned Aircraft
Order Number:	168571276 160(P02083872)
Model:	FMAWZVM
Test Mode:	Wireless Connecting
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Simon Feng / Murphy Chen
Tem./Hum./Pressure:	24.5°C/52.1%/101kPa
Remark:	SR3



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.176	53.4	---	64.67	11.25	L1	9.6
0.176	---	37.9	54.67	16.73	L1	9.6
0.284	---	33.7	50.69	16.95	L1	9.6
0.284	47.7	---	60.69	13.04	L1	9.6
0.355	---	32.3	48.84	16.54	L1	9.6
0.359	43.9	---	58.75	14.89	L1	9.6
0.460	---	27.8	46.70	18.90	L1	9.5
0.534	37.3	---	56.00	18.73	L1	9.5
0.784	35.7	---	56.00	20.34	L1	9.7
3.329	---	27.9	46.00	18.06	L1	9.6
3.512	36.7	---	56.00	19.29	L1	9.7
3.762	---	27.4	46.00	18.56	L1	9.7

Final Result

[illegible]