

Appendix B: Test Results

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Note: 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.

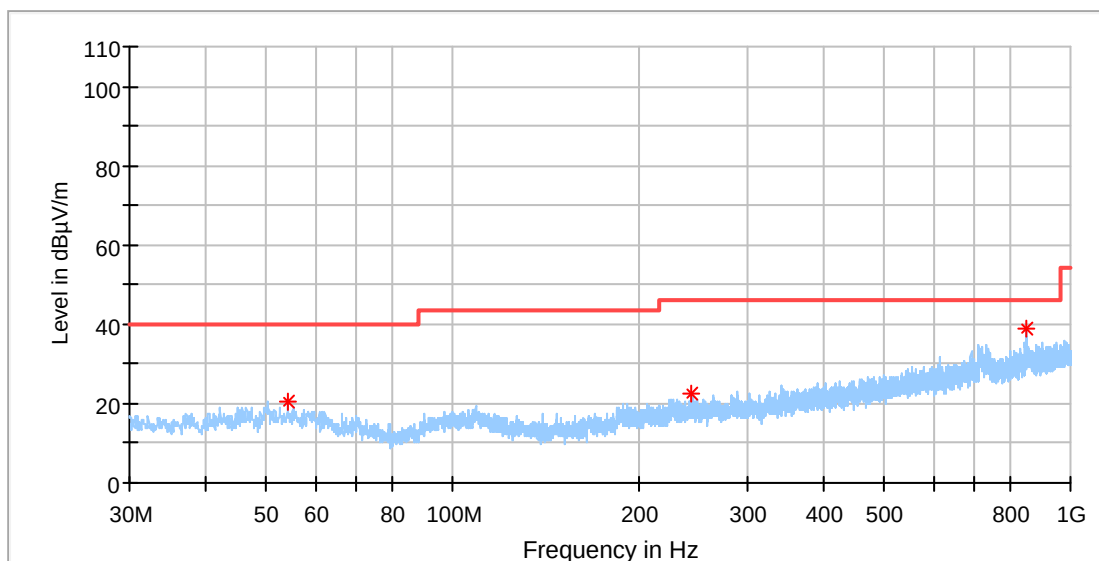
Appendix B.1: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	OpenMove
Model:	AS660
Test Mode:	TX_GFSK_Low CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

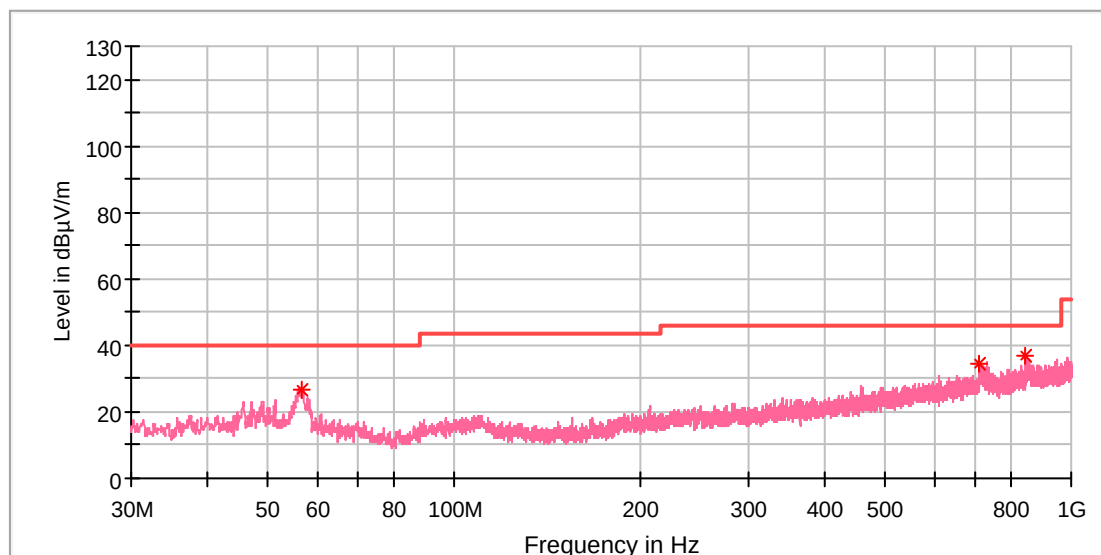


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.007500	20.40	40.00	19.60	100.0	H	256.0	-18.7
243.982000	22.28	46.00	23.72	100.0	H	172.0	-17.9
845.430500	38.06	46.00	7.94	100.0	H	245.0	-6.0

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

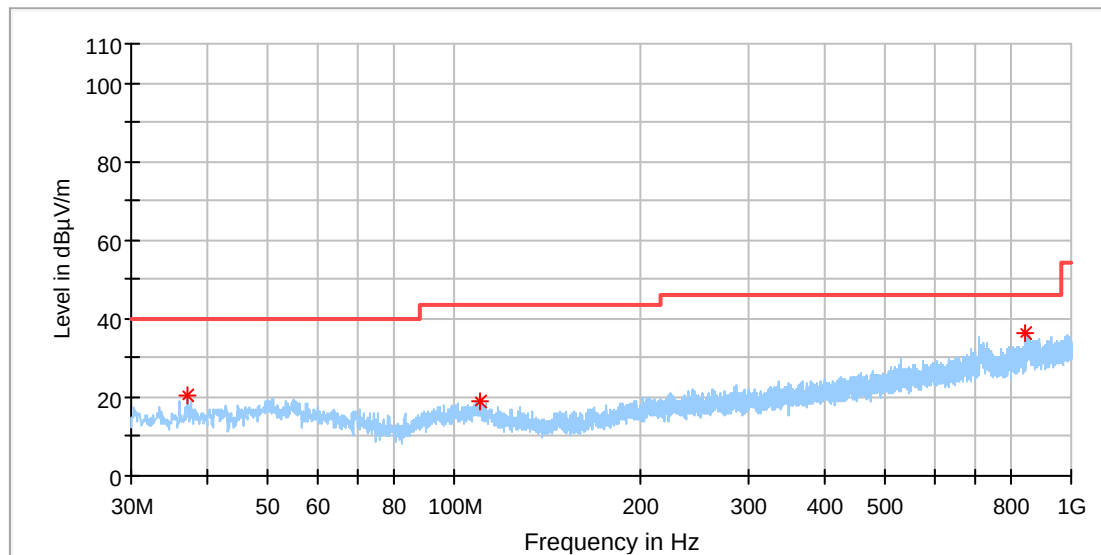


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
56.481000	26.90	40.00	13.10	100.0	V	204.0	-18.9
709.970000	34.29	46.00	11.71	100.0	V	272.0	-8.3
845.139500	37.08	46.00	8.92	100.0	V	0.0	-6.0

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

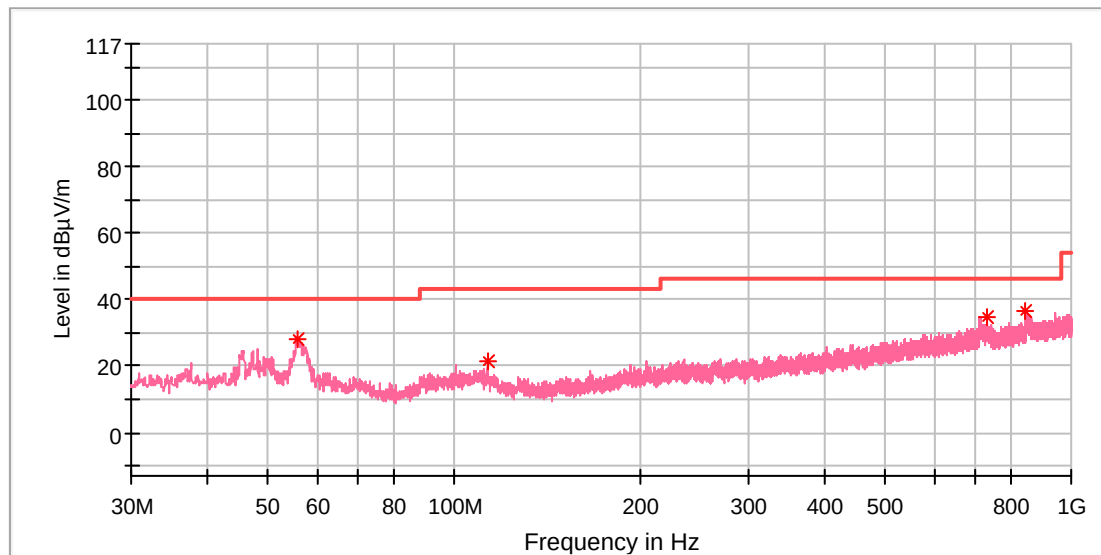


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.984000	20.59	40.00	19.41	100.0	H	41.0	-21.5
110.558500	19.16	43.50	24.34	100.0	H	83.0	-19.5
844.945500	36.51	46.00	9.49	100.0	H	0.0	-6.0

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

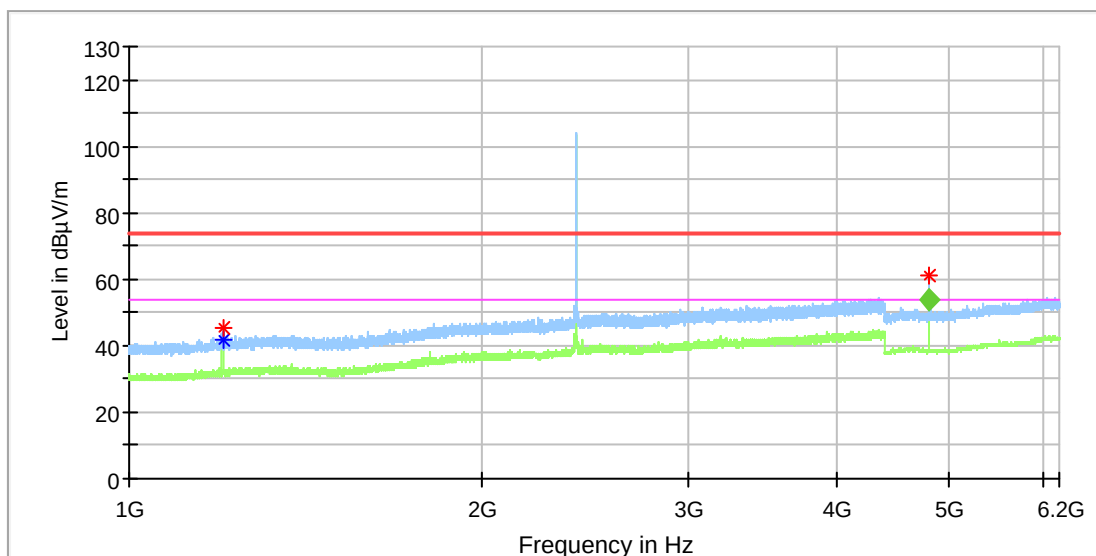
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.996000	28.16	40.00	11.84	100.0	V	37.0	-18.8
113.177500	21.33	43.50	22.17	100.0	V	336.0	-19.8
729.467000	34.77	46.00	11.23	100.0	V	316.0	-7.9
844.800000	36.46	46.00	9.54	100.0	V	177.0	-6.0

1GHz - 18GHz

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

EUT Information

EUT Name: OpenMove
 Model: AS660
 Test Mode: TX_GFSK_Low CH
 Test Voltage:: Battery
 Remark: Temp 23 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Alano Qu
 Reviewed By: Terry Yin



Critical Freqs

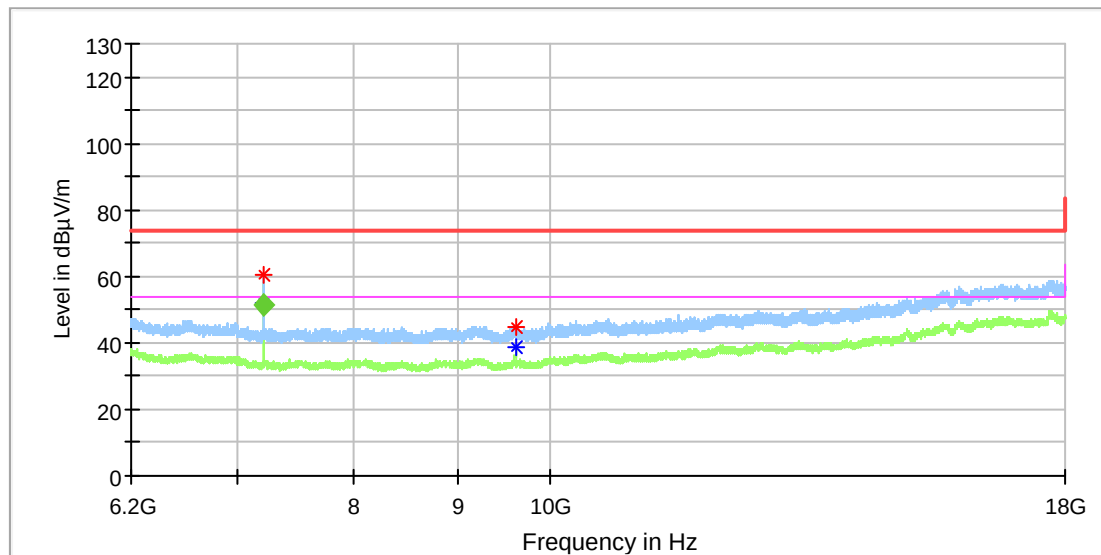
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.940000	45.12	---	74.00	28.88	100.0	H	185.0	1.1
1200.940000	---	41.69	54.00	12.31	100.0	H	185.0	1.1
4803.500000	61.04	---	74.00	12.96	100.0	H	32.0	11.8

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.900000	---	53.44	54.00	0.56	100.0	H	24.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

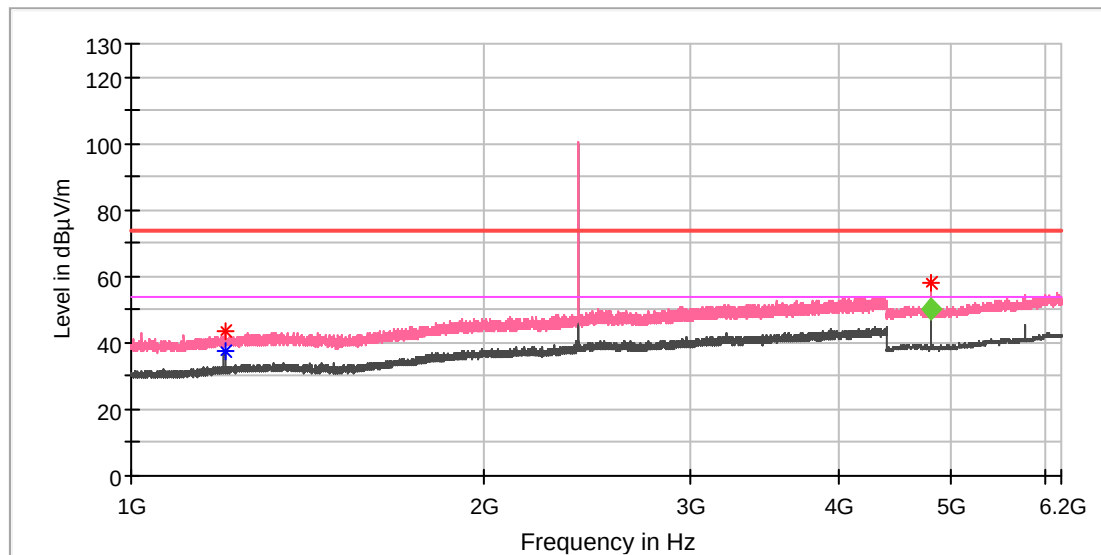
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	60.68	---	74.00	13.32	100.0	H	262.0	8.8
7206.542916	---	51.73	54.00	2.27	123.0	H	235.0	8.8
9608.233333	44.67	---	74.00	29.33	100.0	H	315.0	10.4
9608.233333	---	38.43	54.00	15.57	100.0	H	315.0	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.542916	---	51.42	54.00	2.58	123.0	H	235.0	8.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

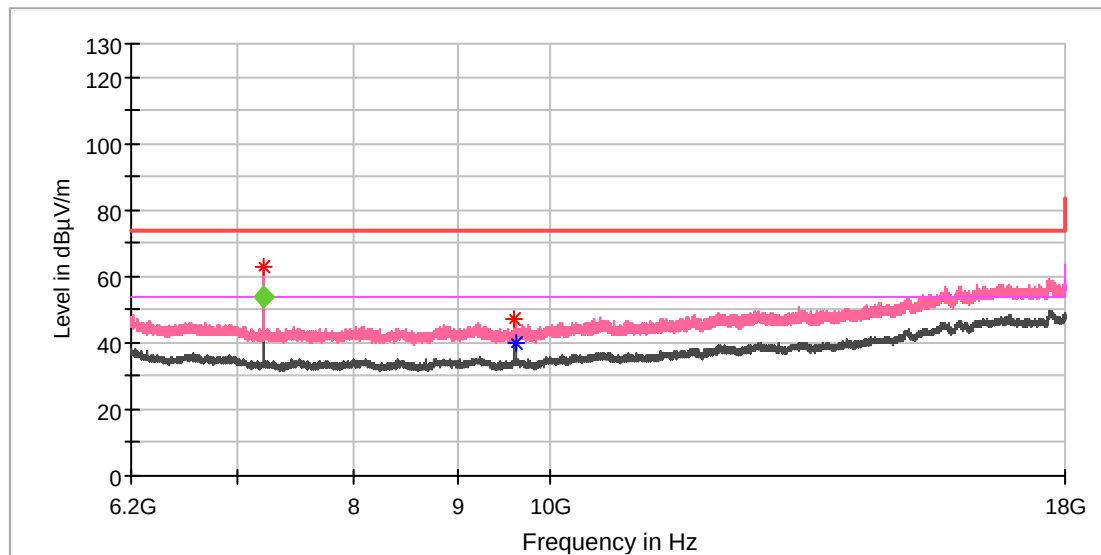
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1200.940000	43.28	---	74.00	30.72	100.0	V	174.0	1.1
1200.940000	---	37.77	54.00	16.23	100.0	V	174.0	1.1
4803.911111	57.97	---	74.00	16.03	100.0	V	98.0	11.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.905556	---	50.00	54.00	4.00	100.0	V	98.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

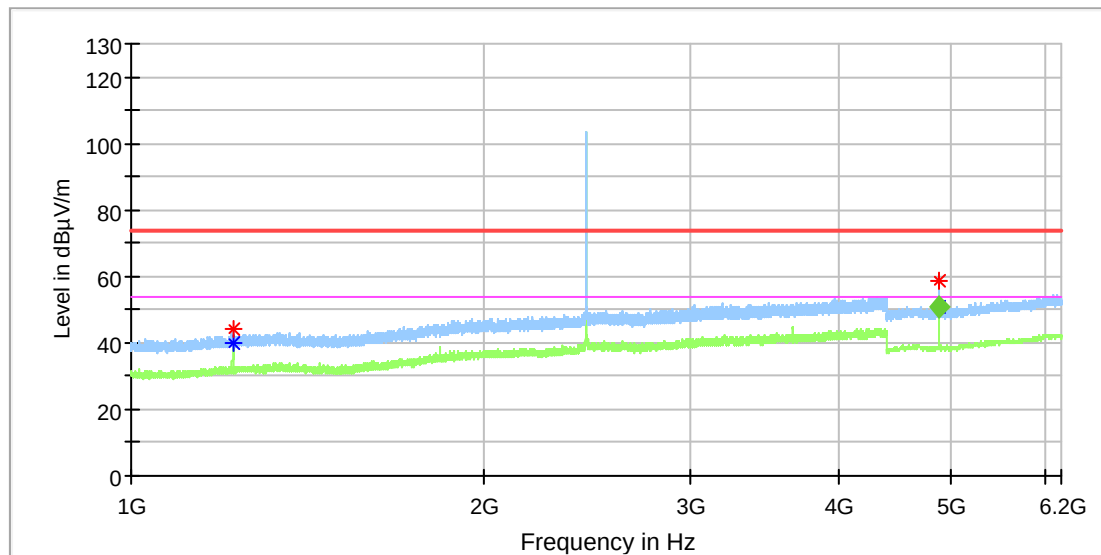
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7206.432083	63.12	---	74.00	10.88	100.0	V	94.0	8.8
9607.250000	47.26	---	74.00	26.74	100.0	V	191.0	10.4
9608.233333	---	39.85	54.00	14.15	100.0	V	0.0	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.431250	---	53.34	54.00	0.66	100.0	V	92.0	8.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Mid CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

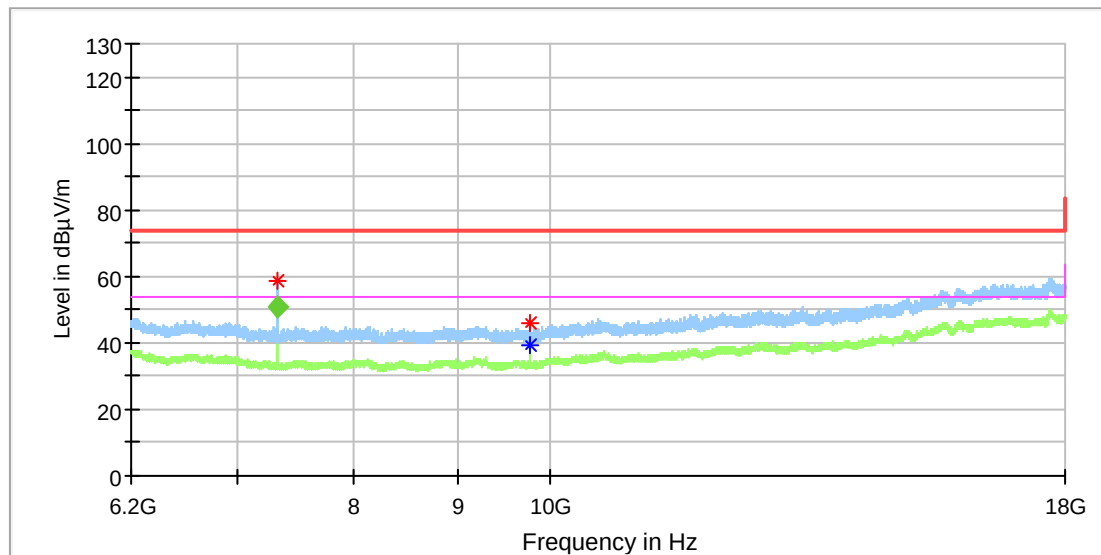
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1220.150000	44.24	---	74.00	29.76	100.0	H	79.0	1.4
1220.490000	---	39.92	54.00	14.08	100.0	H	198.0	1.4
4881.983333	---	50.60	54.00	3.40	100.0	H	50.0	11.8
4882.000000	58.61	---	74.00	15.39	100.0	H	61.0	11.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.983333	---	50.69	54.00	3.31	100.0	H	50.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Mid CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

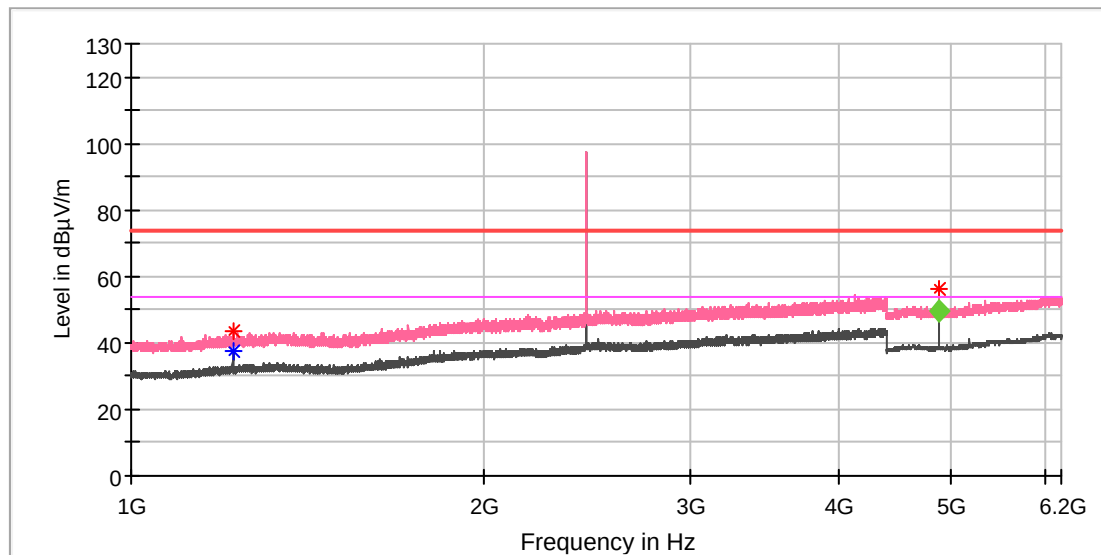
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	58.95	---	74.00	15.05	100.0	H	260.0	8.2
9763.108333	---	39.25	54.00	14.75	100.0	H	345.0	10.4
9763.600000	45.82	---	74.00	28.18	100.0	H	63.0	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7323.417500	---	50.71	54.00	3.29	105.0	H	256.0	8.2

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Mid CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

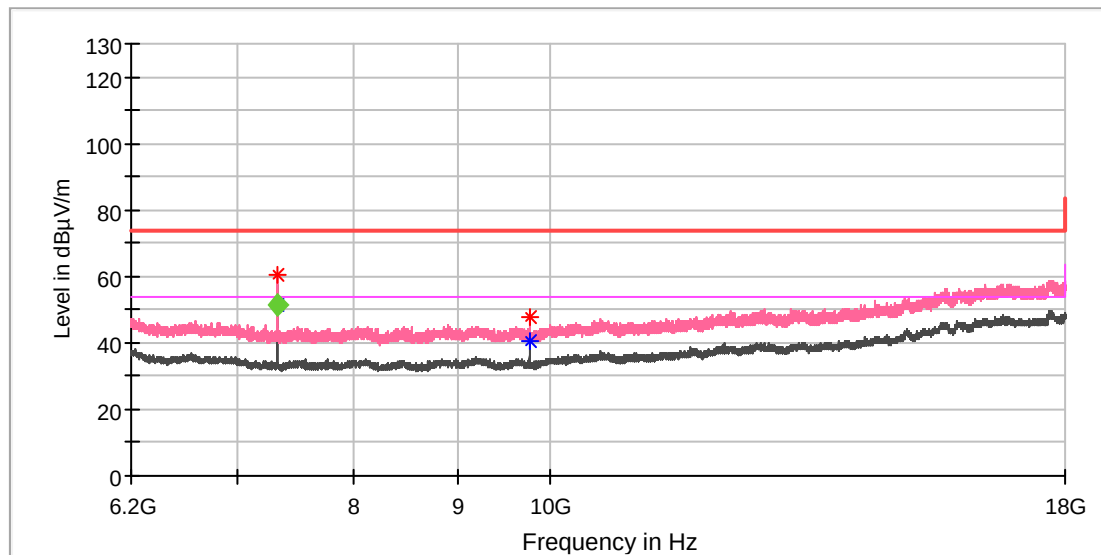
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1220.490000	43.37	---	74.00	30.63	100.0	V	309.0	1.4
1220.490000	---	37.48	54.00	16.52	100.0	V	309.0	1.4
4882.252778	56.39	---	74.00	17.61	100.0	V	20.0	11.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.025000	---	49.35	54.00	4.65	100.0	V	17.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Mid CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

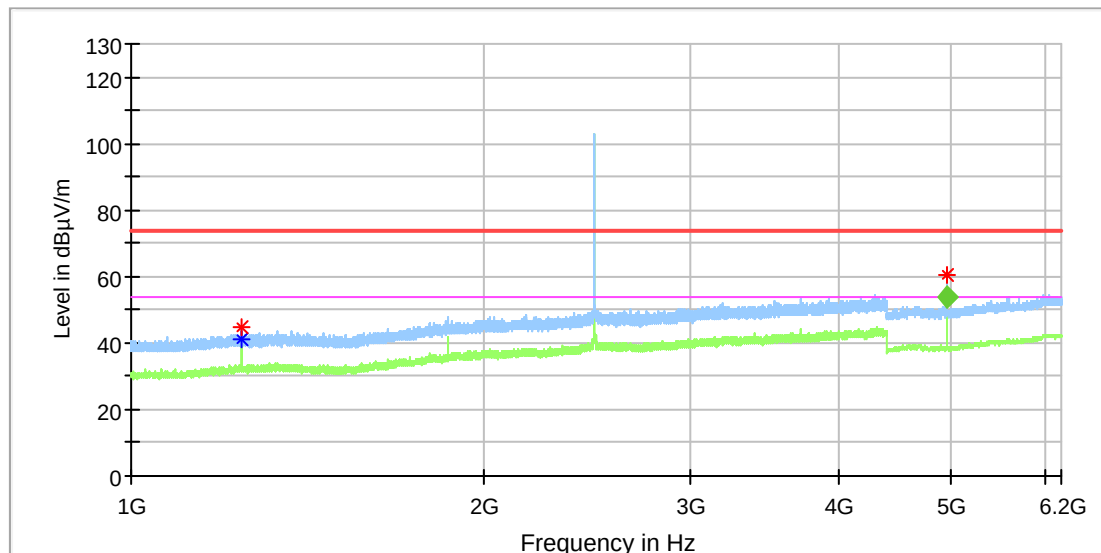
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7323.329584	---	51.49	54.00	2.51	100.0	V	276.0	8.2
7323.508333	60.39	---	74.00	13.61	100.0	V	275.0	8.2
9763.600000	47.50	---	74.00	26.50	100.0	V	207.0	10.4
9764.091667	---	40.72	54.00	13.28	100.0	V	234.0	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7323.329584	---	51.45	54.00	2.55	100.0	V	276.0	8.2

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical Freqs

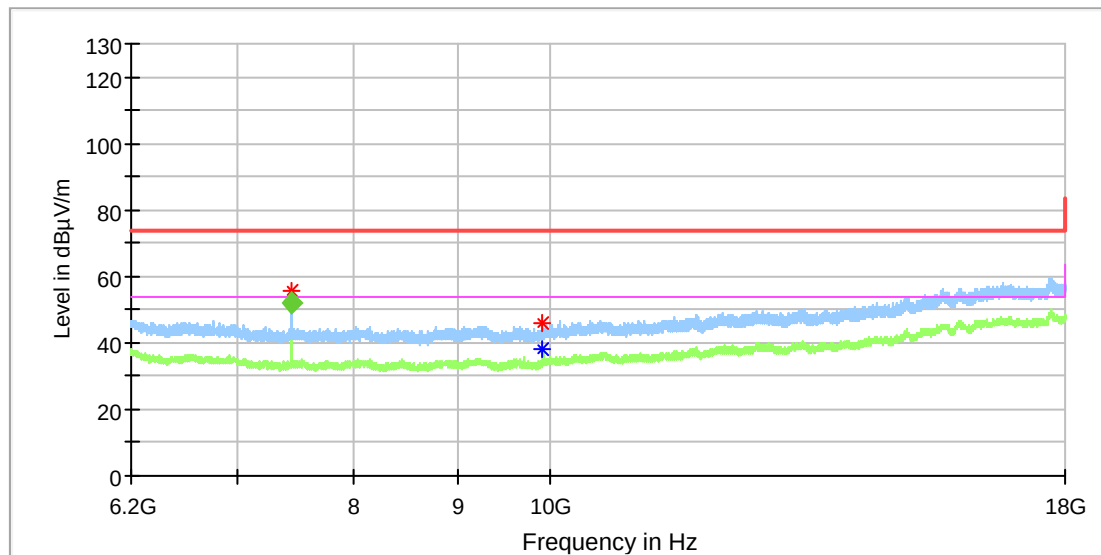
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1240.040000	44.93	---	74.00	29.07	100.0	H	208.0	1.7
1240.040000	---	41.16	54.00	12.84	100.0	H	208.0	1.7
4960.275000	60.65	---	74.00	13.35	100.0	H	67.0	11.8

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.900000	---	53.47	54.00	0.53	104.0	H	65.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

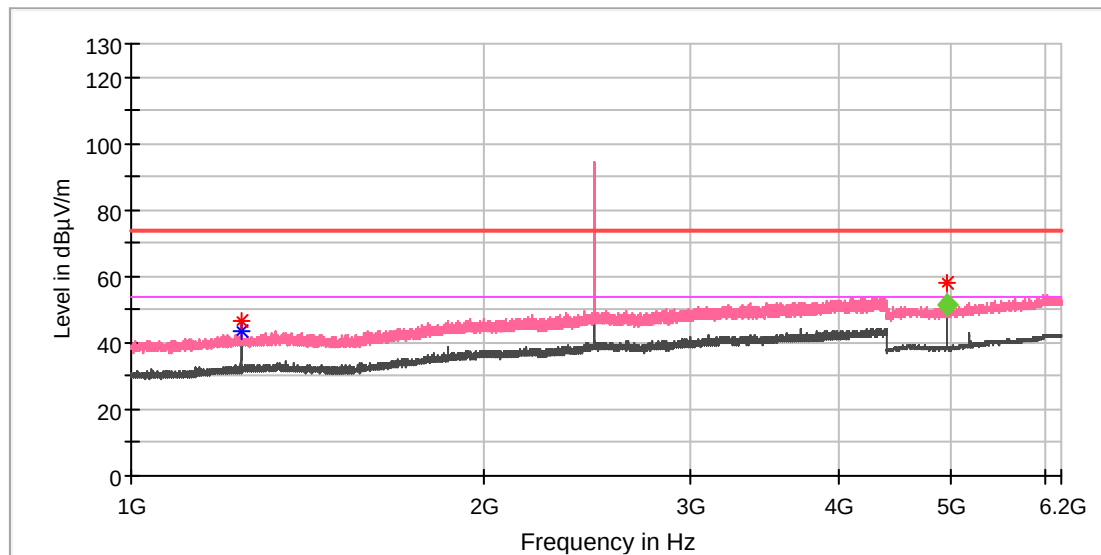
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.427917	55.70	---	74.00	18.30	100.0	H	109.0	8.4
9919.458333	45.69	---	74.00	28.31	100.0	H	354.0	10.8
9919.458333	---	38.20	54.00	15.80	100.0	H	354.0	10.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.300000	---	51.89	54.00	2.11	124.0	H	126.0	8.4

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin



Critical_Freqs

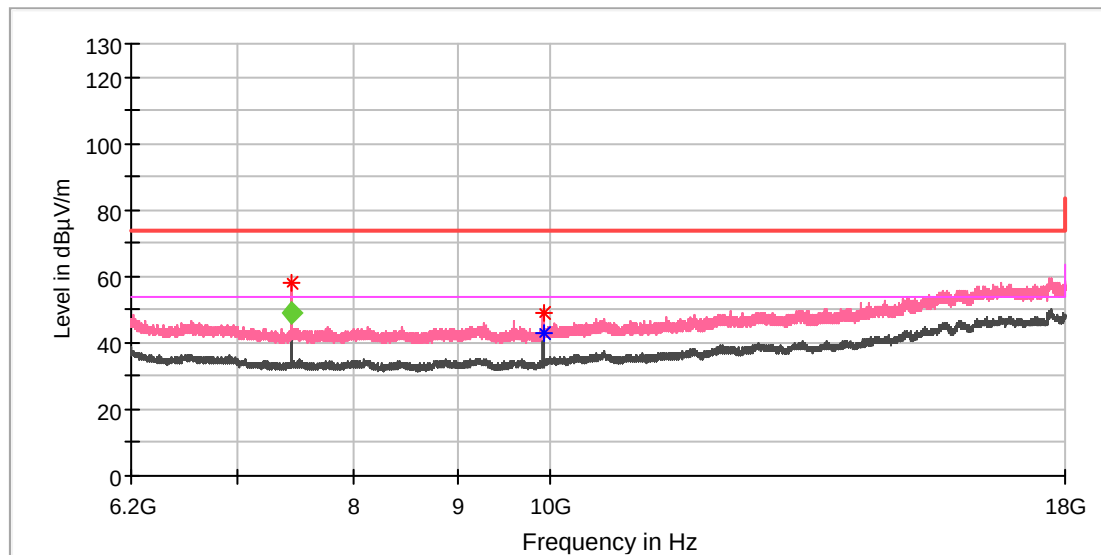
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1239.700000	46.57	---	74.00	27.43	100.0	V	359.0	1.7
1239.870000	---	43.50	54.00	10.50	100.0	V	359.0	1.7
4960.000000	58.09	---	74.00	15.91	100.0	V	78.0	11.8

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.988889	---	51.11	54.00	2.89	100.0	V	71.0	11.8

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
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)
7440.299584	57.94	---	74.00	16.06	100.0	V	108.0	8.4
9920.441667	48.94	---	74.00	25.06	100.0	V	191.0	10.8
9920.441667	---	42.91	54.00	11.09	100.0	V	191.0	10.8

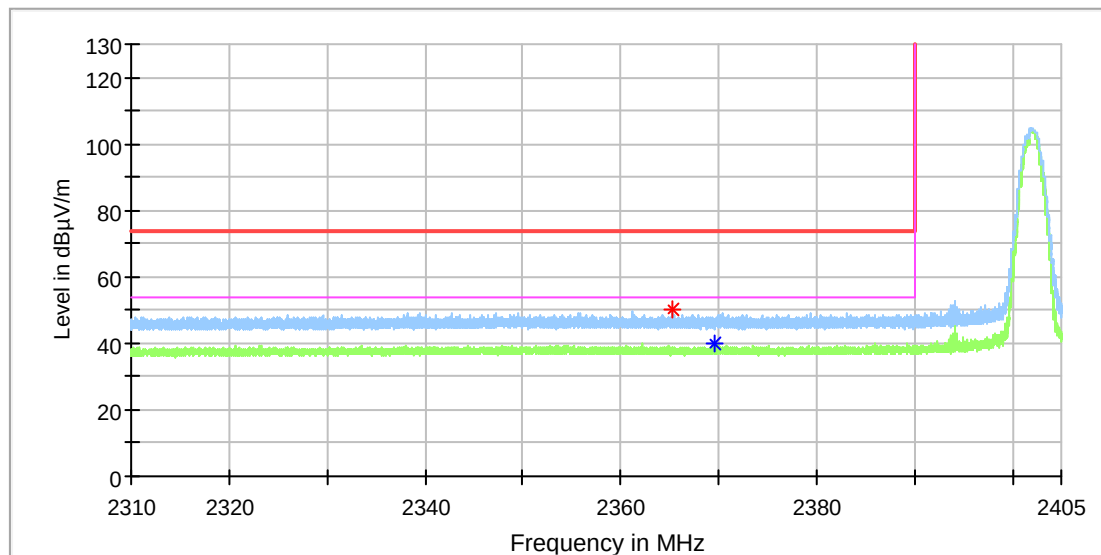
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.437917	---	49.23	54.00	4.77	100.0	V	145.0	8.4

Appendix B.2: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	OpenMove
Model:	AS660
Test Mode:	TX_GFSK_Low CH
Test Voltage::	Battery
Remark:	Temp 23 Humi:48%
Test Standard:	FCC 15.247
Tested By:	Alano Qu
Reviewed By:	Terry Yin

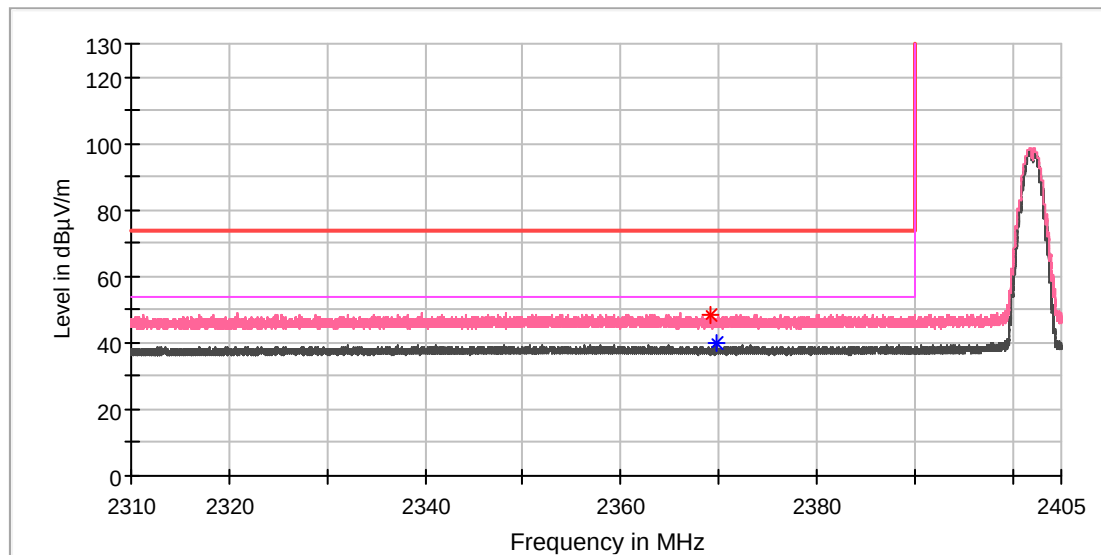


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2365.340250	49.98	---	74.00	24.02	100.0	H	308.0	6.9
2369.571750	---	39.63	54.00	14.37	100.0	H	341.0	6.9

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_Low CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin

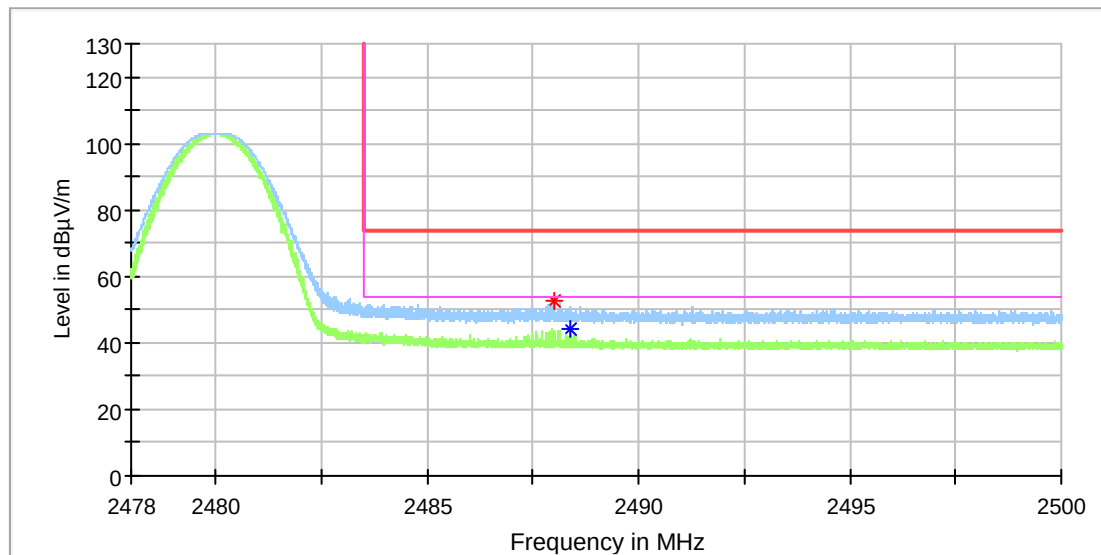


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2369.225250	48.17	---	74.00	25.83	100.0	V	165.0	6.9
2369.766000	---	39.66	54.00	14.34	100.0	V	20.0	6.9

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
Reviewed By: Terry Yin

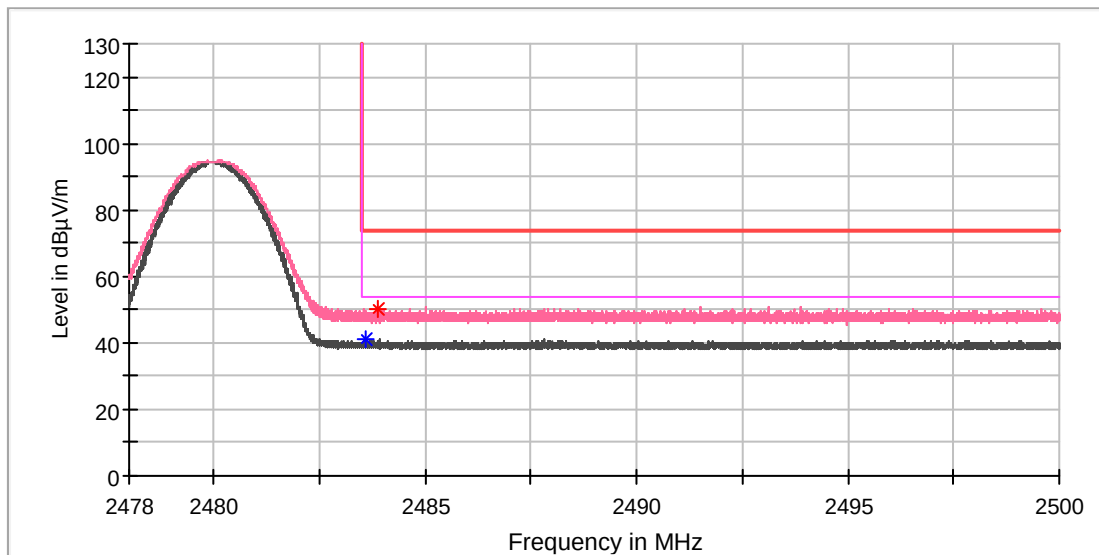


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.005250	52.44	---	74.00	21.56	100.0	H	51.0	7.4
2488.367500	---	44.17	54.00	9.83	100.0	H	0.0	7.4

EUT Information

EUT Name: OpenMove
Model: AS660
Test Mode: TX_GFSK_High CH
Test Voltage:: Battery
Remark: Temp 23 Humi:48%
Test Standard: FCC 15.247
Tested By: Alano Qu
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)
2483.585800	---	40.91	54.00	13.09	100.0	V	57.0	7.4
2483.864100	50.40	---	74.00	23.60	100.0	V	166.0	7.4