Appendix C: Test Results of Bluetooth Low Energy

APPENDIX C: TEST RESULTS OF BLUETOOTH LOW ENERGY **1**
APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY 2
APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH 3
APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH 4
APPENDIX C.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH 5
Conducted Spurious Emission *5*
Band Edge *9*
APPENDIX C.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS 10
30 MHz to 1GHz *10*
1GHz-18GHz *14*
APPENDIX C.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS 26
APPENDIX C.7: TEST RESULTS OF CONDUCTED EMISSION 30

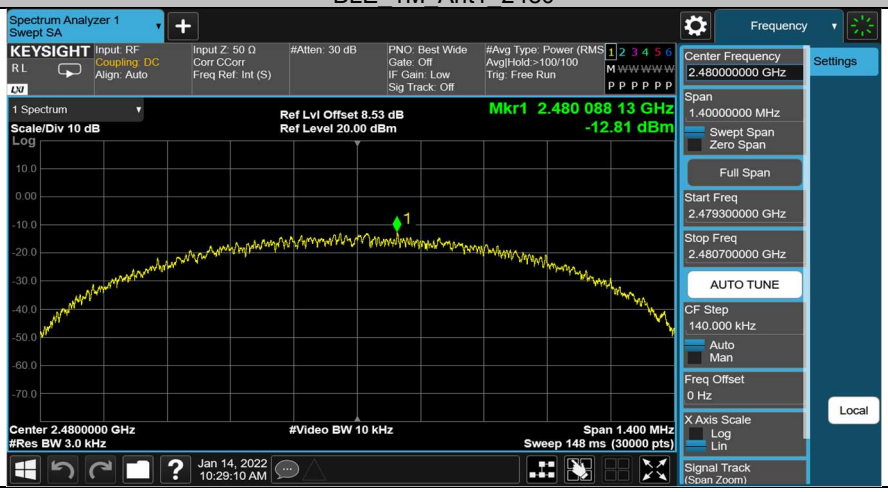
Appendix C.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.27	≤8	PASS
		2440	-13.03	≤8	PASS
		2480	-12.81	≤8	PASS

BLE_1M_Ant1_2402

BLE_1M_Ant1_2440

BLE_1M_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	0.688	2401.660	2402.348	0.5	PASS
		2440	0.688	2439.668	2440.356	0.5	PASS
		2480	0.700	2479.656	2480.356	0.5	PASS

BLE_1M_Ant1_2402

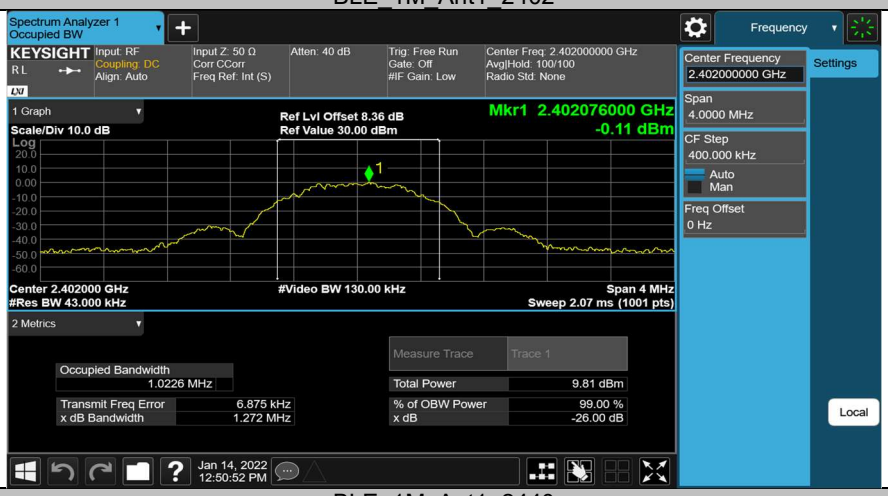
BLE_1M_Ant1_2440

BLE_1M_Ant1_2480

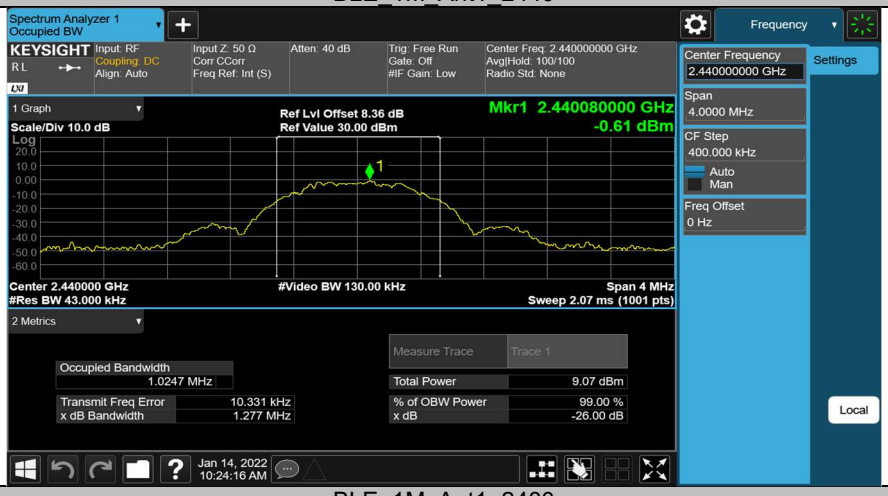
Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0226	2401.496	2402.518	---	PASS
		2440	1.0247	2439.498	2440.523	---	PASS
		2480	1.0294	2479.492	2480.522	---	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

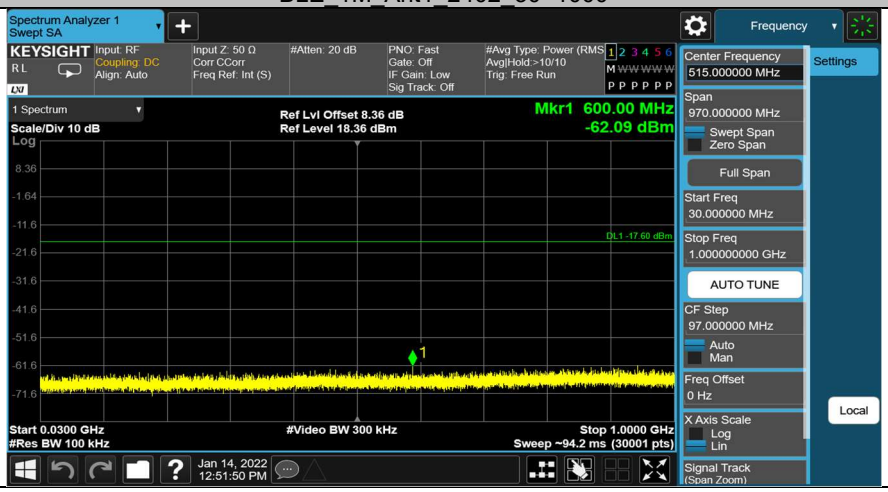
Appendix C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Conducted Spurious Emission

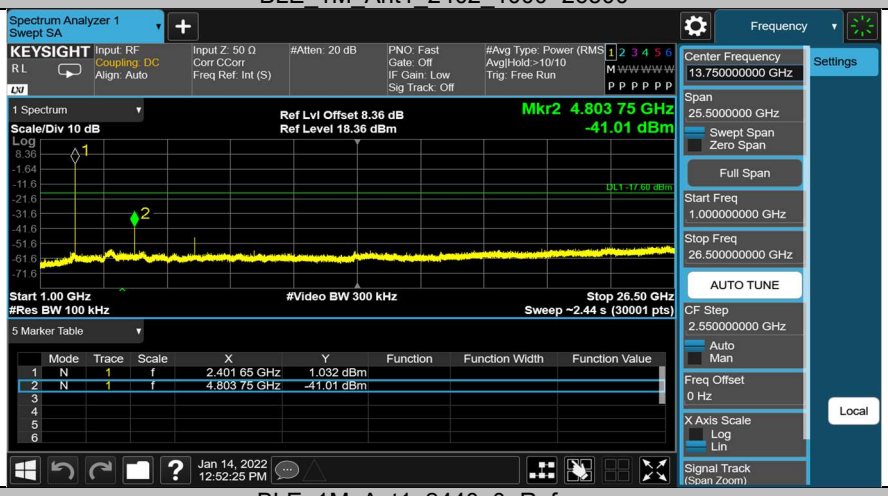
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-62.09	≤-17.6	PASS
			1000~26500	2.40	-41.01	≤-17.6	PASS
		2440	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-61.77	≤-18.02	PASS
			1000~26500	1.98	-44.24	≤-18.02	PASS
		2480	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-61.29	≤-17.91	PASS
			1000~26500	2.09	-44.85	≤-17.91	PASS

BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

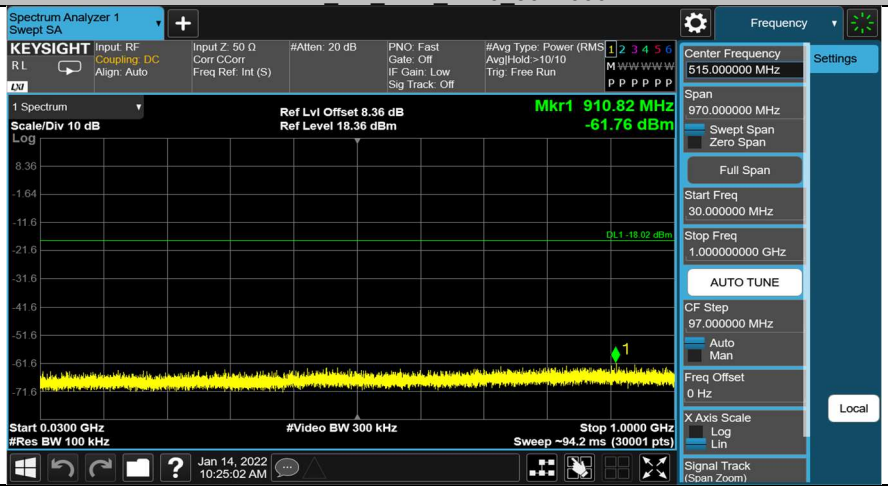


BLE_1M_Ant1_2402_1000~26500

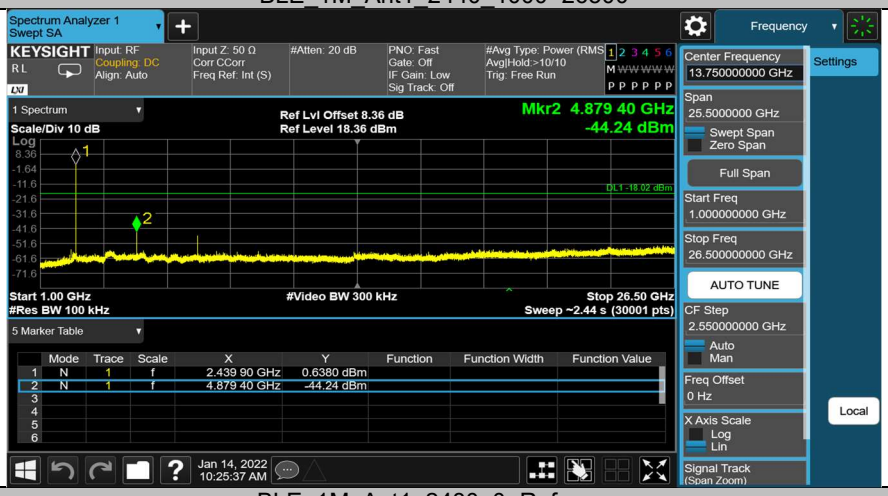


BLE_1M_Ant1_2440_0~Reference

BLE_1M_Ant1_2440_30~1000

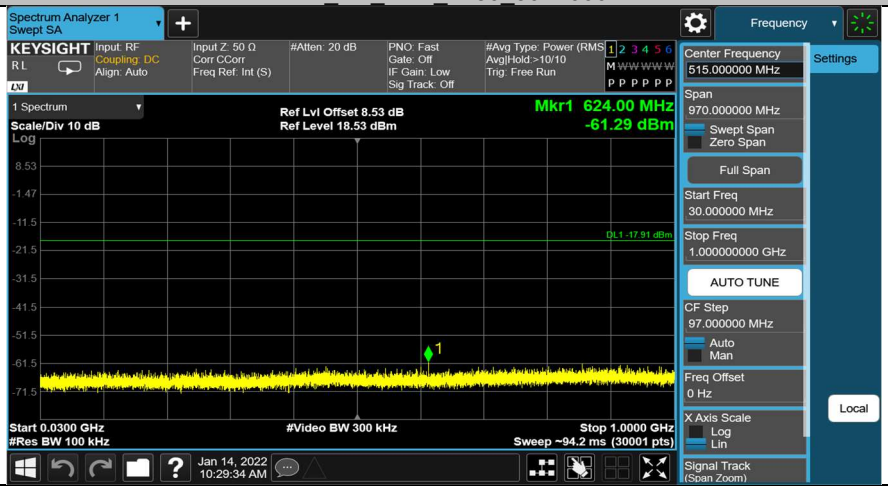


BLE_1M_Ant1_2440_1000~26500

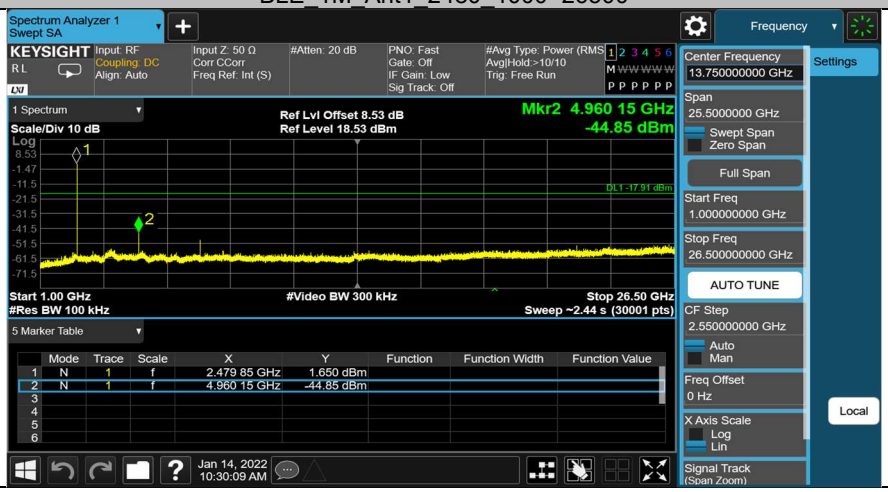


BLE_1M_Ant1_2480_0~Reference

BLE_1M_Ant1_2480_30~1000



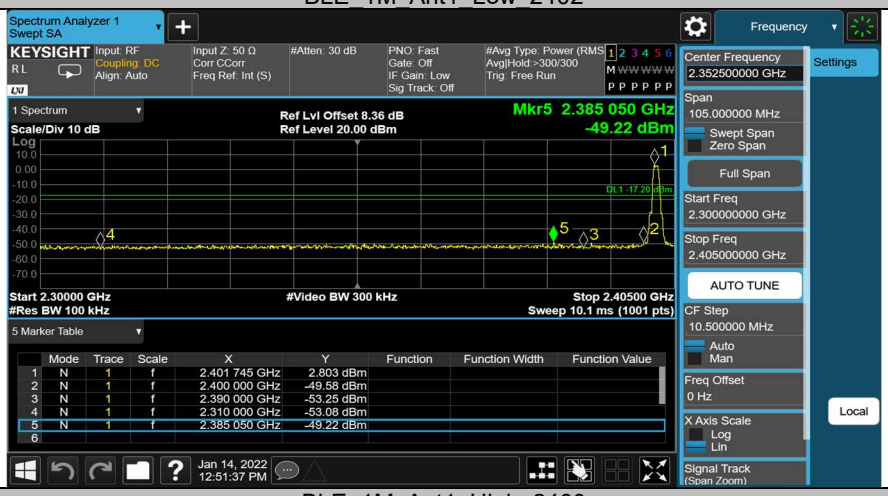
BLE_1M_Ant1_2480_1000~26500



Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.80	-49.22	≤-17.2	PASS
		High	2480	2.23	-49.28	≤-17.77	PASS

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

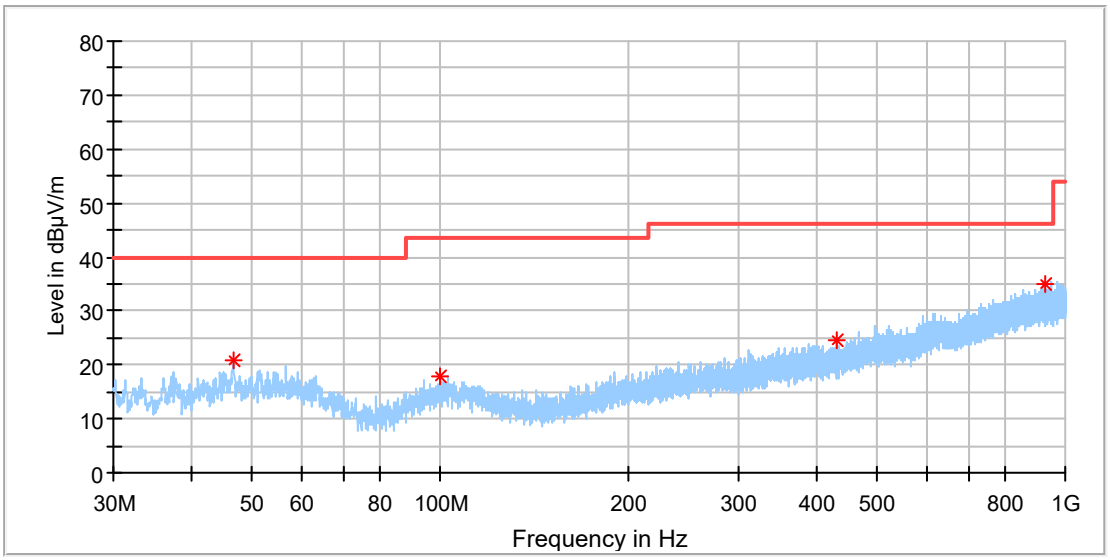
Appendix C.5: Test Results of Radiated Spurious Emissions

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.

30 MHz to 1GHz

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003187210-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

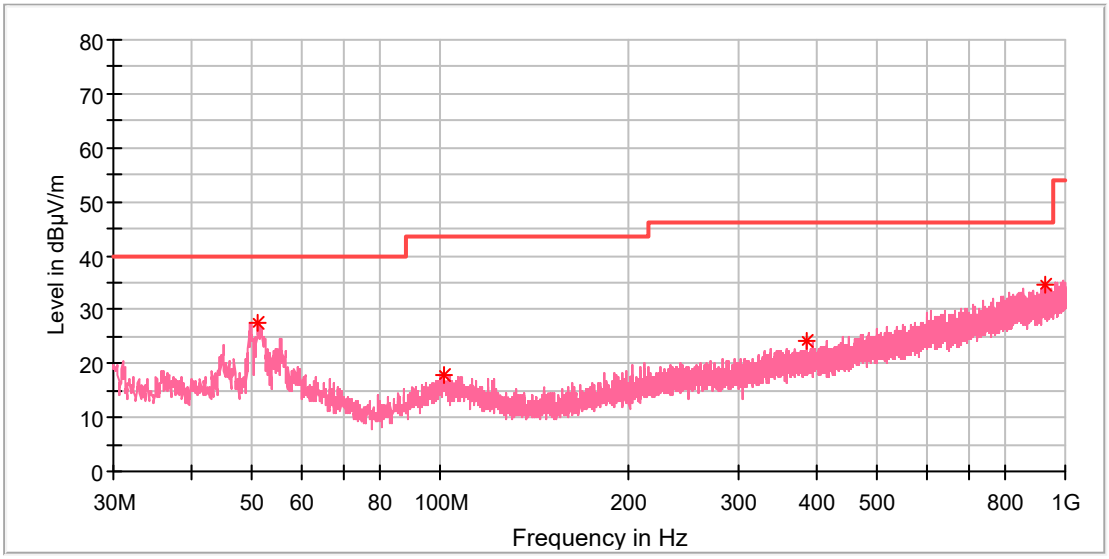
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.635500	20.66	40.00	19.34	100.0	H	0.0	-18.6
100.228000	17.84	43.50	25.66	100.0	H	1.0	-19.0
432.307500	24.57	46.00	21.43	100.0	H	280.0	-13.3
925.455500	35.14	46.00	10.86	100.0	H	260.0	-4.7

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003187210-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

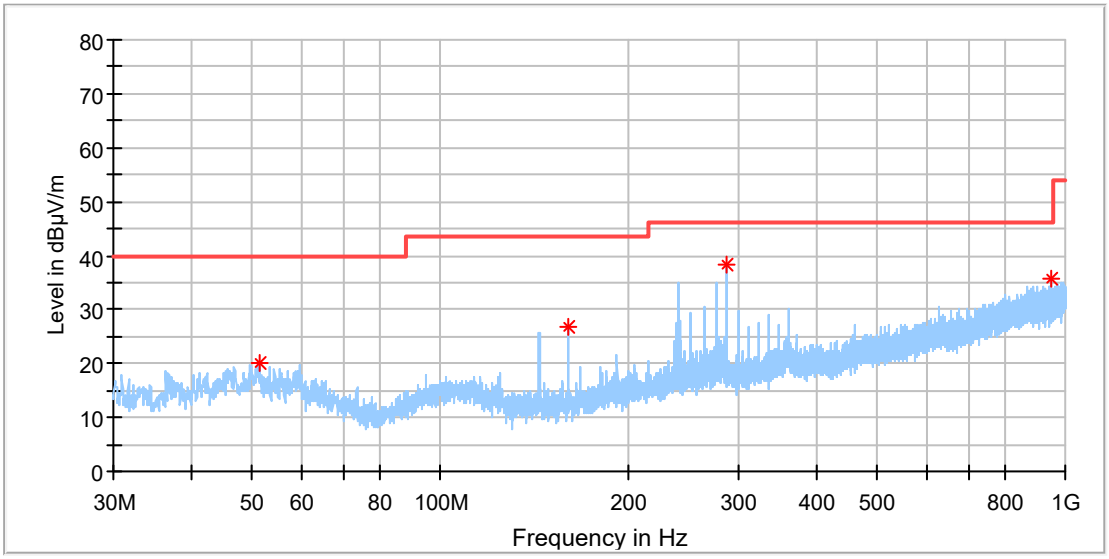
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.000500	27.59	40.00	12.41	100.0	V	44.0	-18.3
101.149500	17.69	43.50	25.81	100.0	V	0.0	-18.9
385.214000	24.17	46.00	21.83	100.0	V	256.0	-14.1
929.820500	34.78	46.00	11.22	100.0	V	10.0	-4.7

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M06
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003201415-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

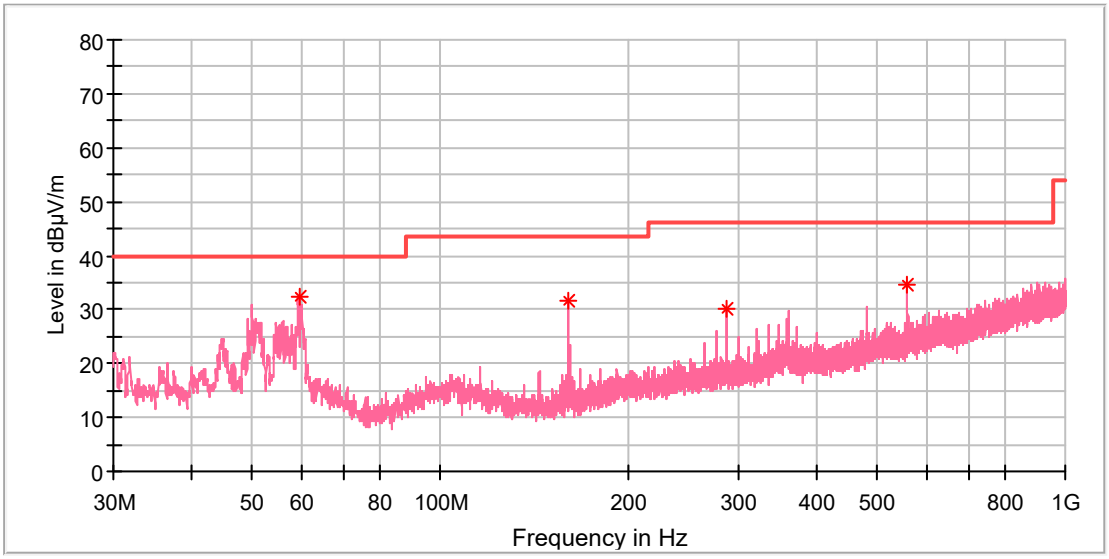
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.388500	20.01	40.00	19.99	100.0	H	225.0	-18.3
159.980000	26.69	43.50	16.81	100.0	H	53.0	-21.8
288.020000	38.33	46.00	7.67	100.0	H	191.0	-16.6
948.590000	35.87	46.00	10.13	100.0	H	354.0	-4.4

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M06
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003201415-001
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
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)
59.391000	32.44	40.00	7.56	100.0	V	273.0	-18.9
160.028500	31.66	43.50	11.84	100.0	V	320.0	-21.8
288.020000	29.99	46.00	16.01	100.0	V	47.0	-16.6
560.008000	34.60	46.00	11.40	100.0	V	0.0	-10.7

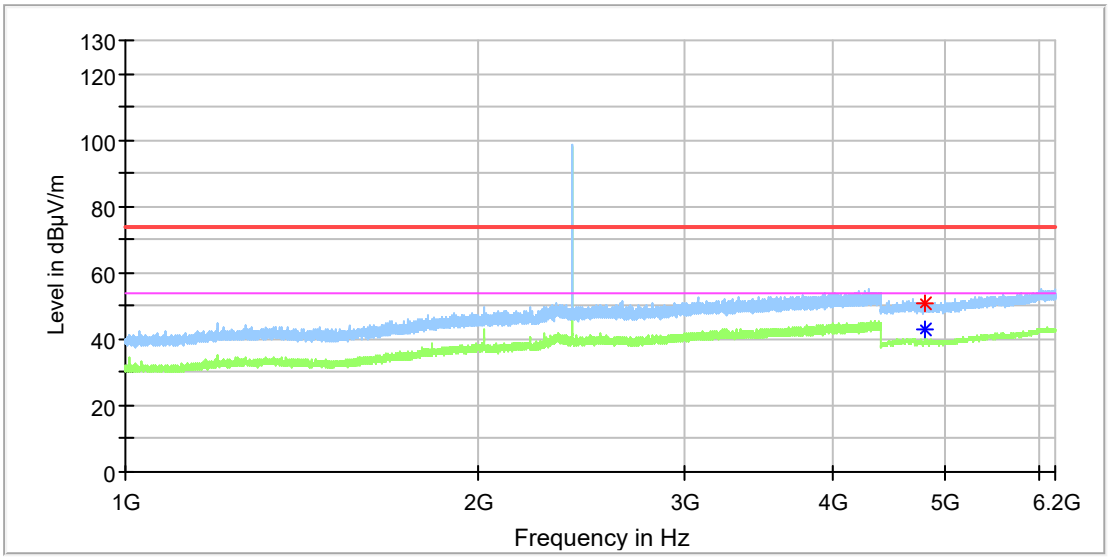
Final_Result

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:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

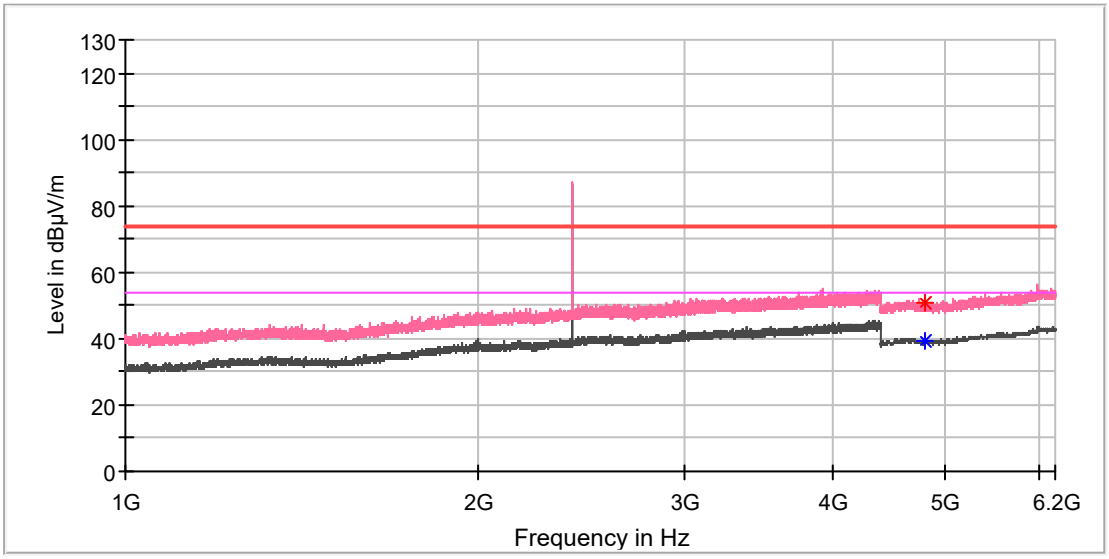
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	51.08	---	74.00	22.92	100.0	H	94.0	11.8
4804.000000	---	42.91	54.00	11.09	100.0	H	313.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

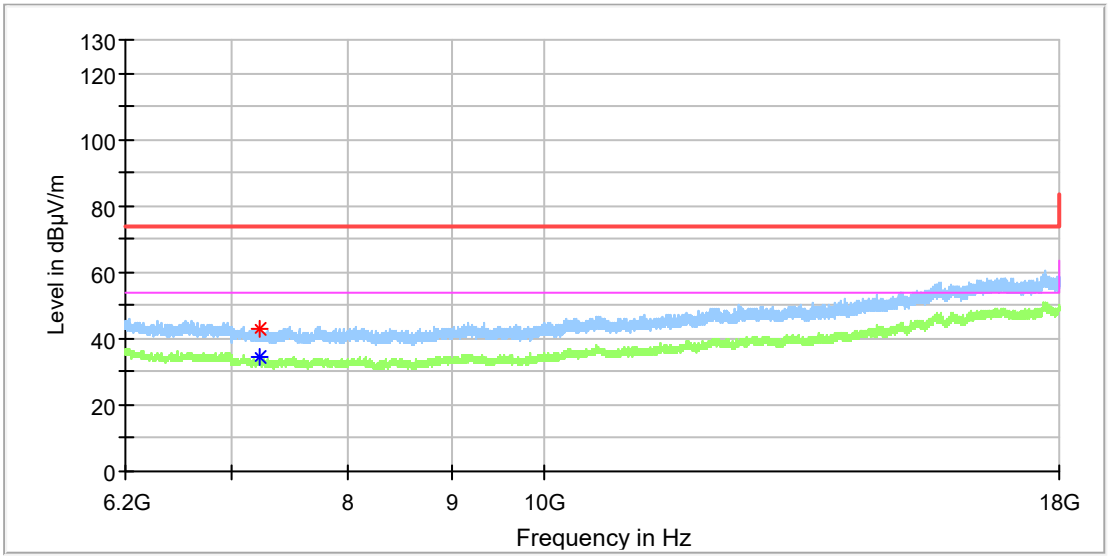
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	39.57	54.00	14.43	100.0	V	74.0	11.8
4809.500000	50.57	---	74.00	23.43	100.0	V	36.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

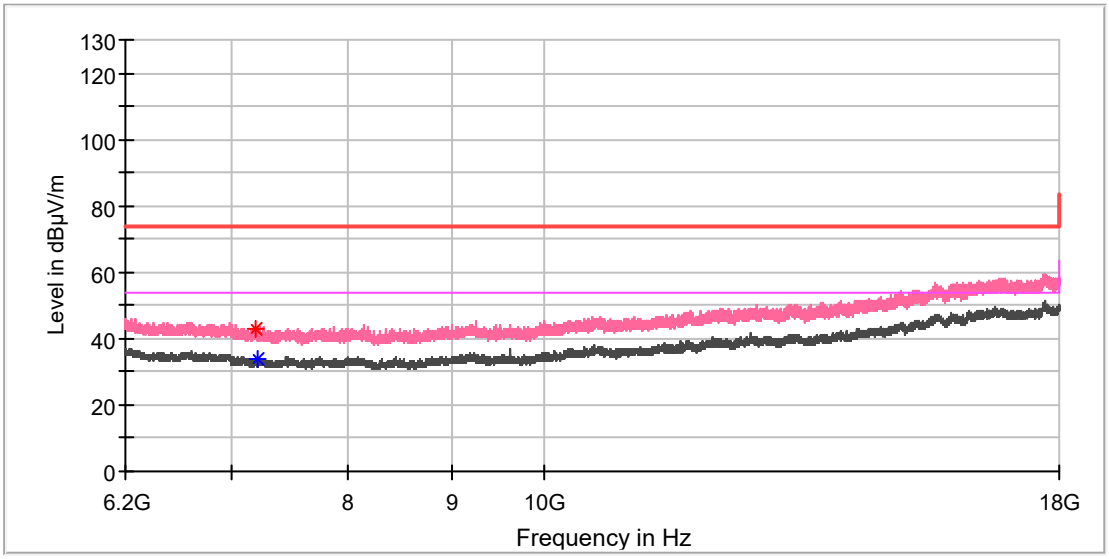
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7222.666667	---	34.39	54.00	19.61	100.0	H	104.0	8.7
7227.583333	42.69	---	74.00	31.31	100.0	H	54.0	8.7

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

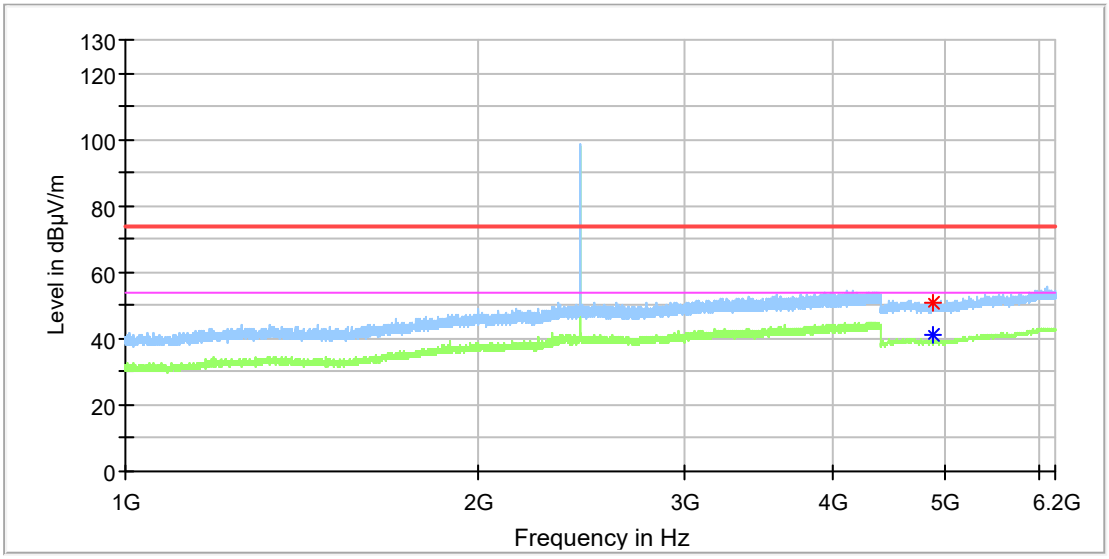
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7199.066667	42.76	---	74.00	31.24	100.0	V	275.0	8.8
7205.950000	---	33.96	54.00	20.04	100.0	V	127.0	8.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

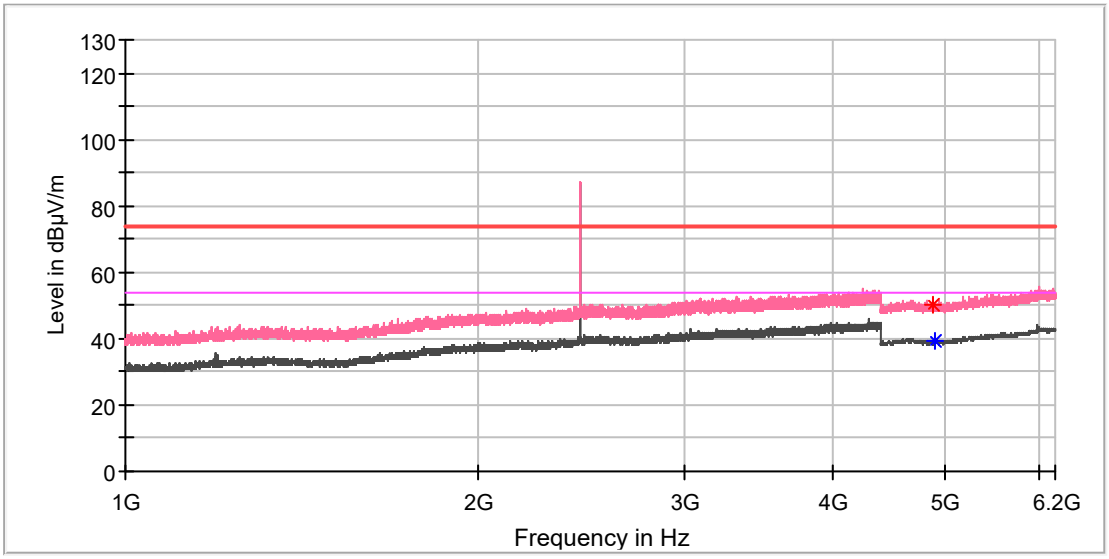
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	50.59	---	74.00	23.41	100.0	H	82.0	11.8
4880.000000	---	40.92	54.00	13.08	100.0	H	82.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

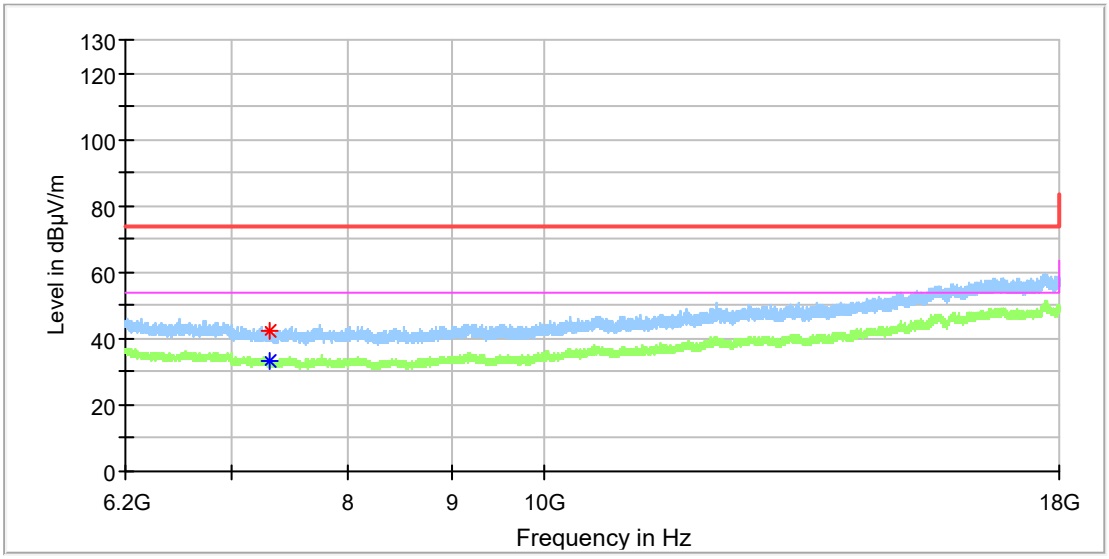
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	50.26	---	74.00	23.74	100.0	V	235.0	11.8
4890.500000	---	39.11	54.00	14.89	100.0	V	163.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

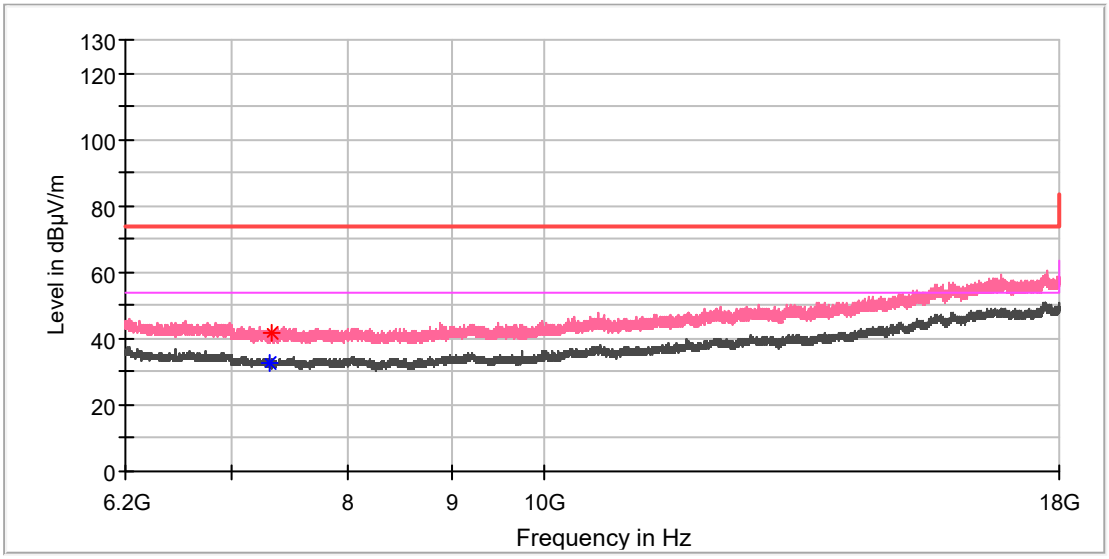
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7313.133333	42.38	---	74.00	31.62	100.0	H	125.0	8.2
7313.133333	---	33.06	54.00	20.94	100.0	H	125.0	8.2

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

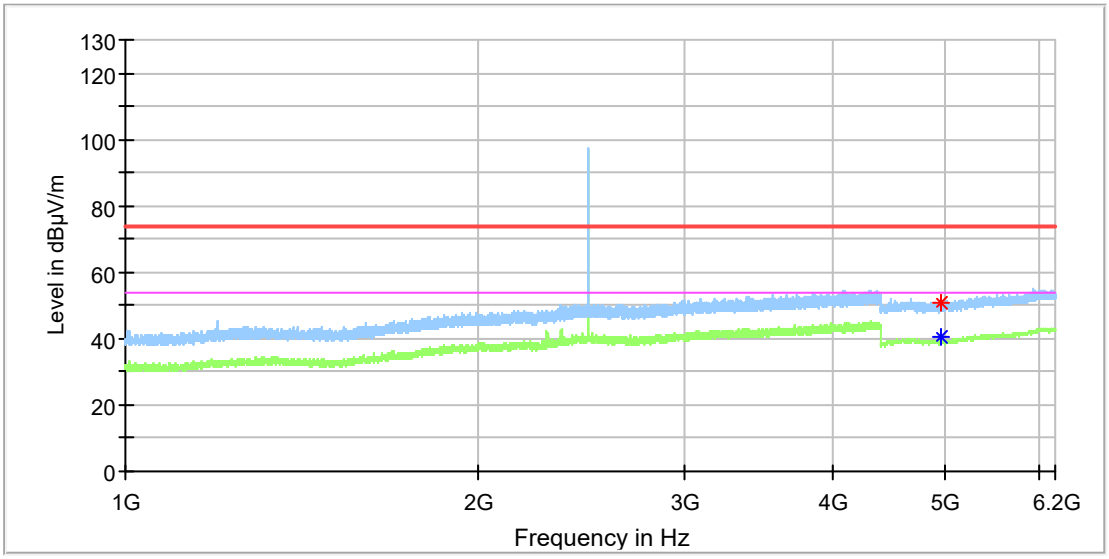
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7308.708333	---	32.82	54.00	21.18	100.0	V	309.0	8.2
7324.933333	41.91	---	74.00	32.09	100.0	V	141.0	8.2

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

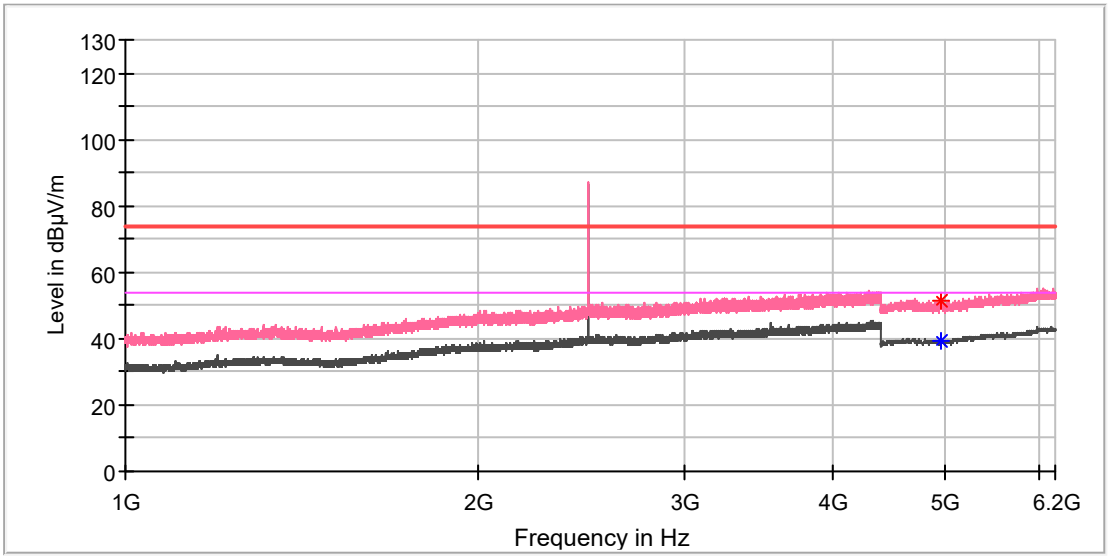
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4957.500000	50.77	---	74.00	23.23	100.0	H	21.0	11.8
4959.500000	---	40.26	54.00	13.74	100.0	H	195.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

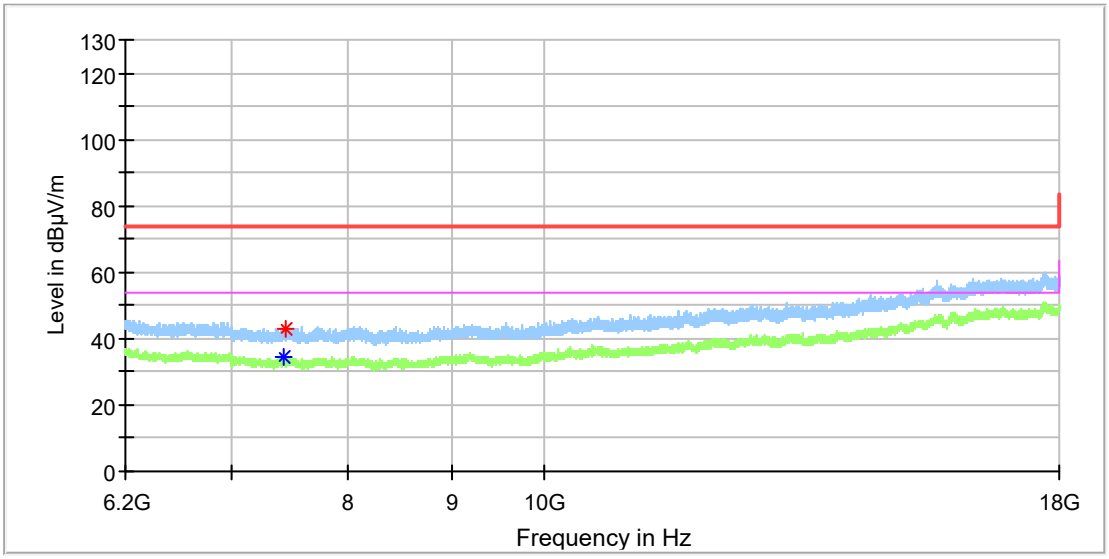
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.500000	---	39.45	54.00	14.55	100.0	V	4.0	11.8
4953.000000	51.58	---	74.00	22.42	100.0	V	76.0	11.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

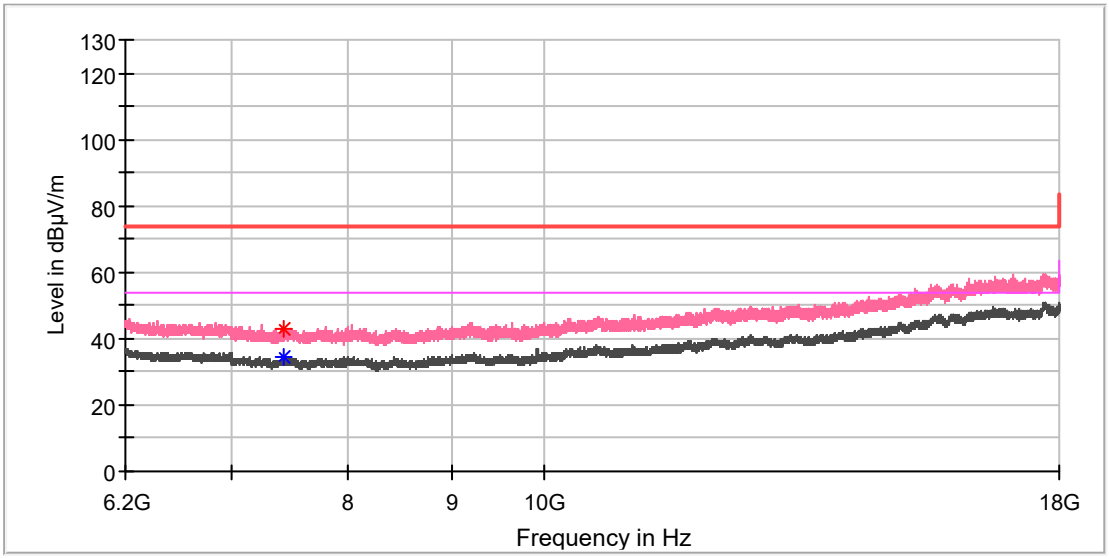
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.708333	---	34.20	54.00	19.80	100.0	H	211.0	8.4
7452.275000	42.64	---	74.00	31.36	100.0	H	281.0	8.5

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
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)
7421.791667	42.78	---	74.00	31.22	100.0	V	5.0	8.4
7427.200000	---	34.26	54.00	19.74	100.0	V	298.0	8.4

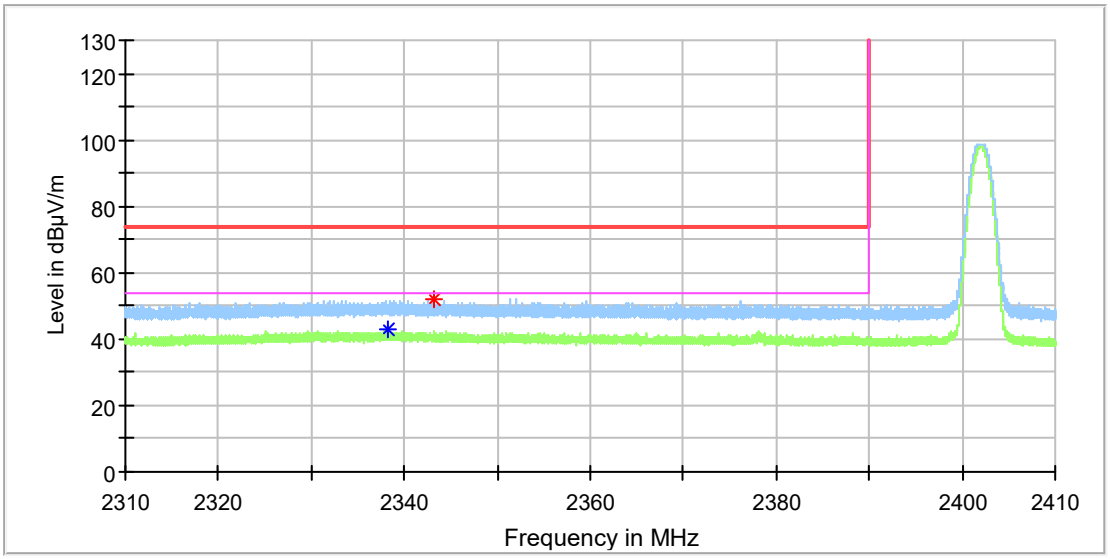
Final_Result

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

Appendix C.6: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

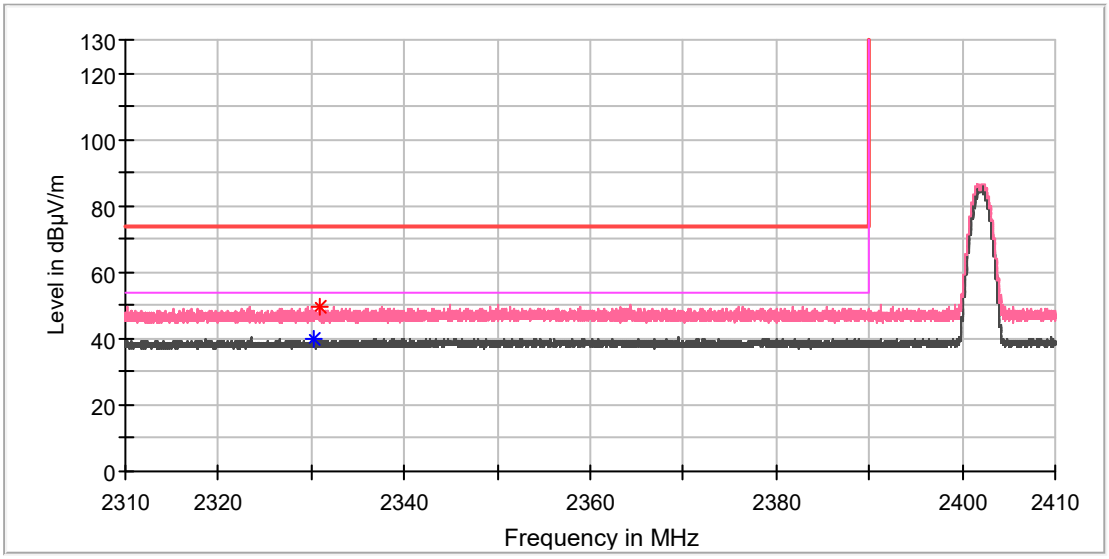
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.300000	---	42.93	54.00	11.07	100.0	H	347.0	6.8
2343.135000	51.74	---	74.00	22.26	100.0	H	87.0	6.8

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

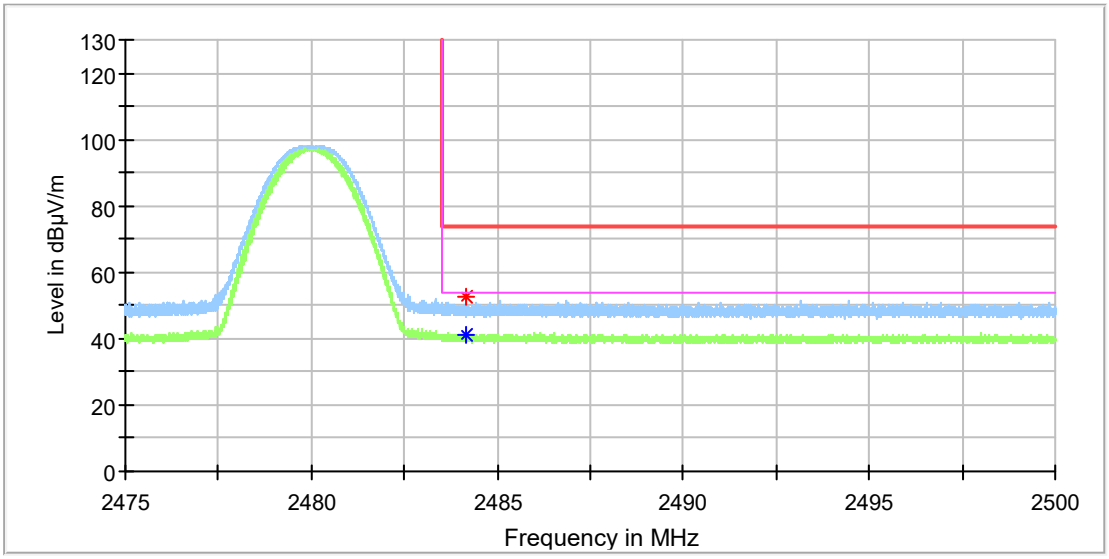
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2330.280000	---	39.87	54.00	14.13	100.0	V	0.0	6.7
2330.860000	49.61	---	74.00	24.39	100.0	V	168.0	6.7

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

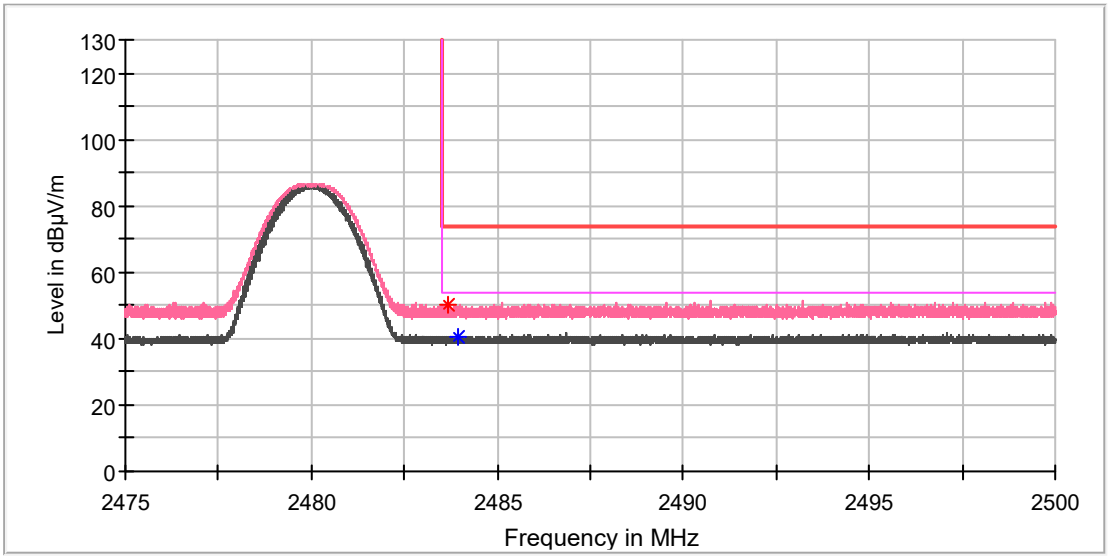
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.172500	---	41.19	54.00	12.81	100.0	H	98.0	7.4
2484.185000	52.72	---	74.00	21.28	100.0	H	0.0	7.4

Final_Result

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

EUT Information

EUT Name:	Bluetooth Speaker
Model:	M03
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168334216/A003183556-002
Test Voltage:	AC 120V, 60Hz
Remark:	Temp 23 Humi:58%
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)
2483.690000	50.31	---	74.00	23.69	100.0	V	1.0	7.4
2483.970000	---	40.53	54.00	13.47	100.0	V	52.0	7.4

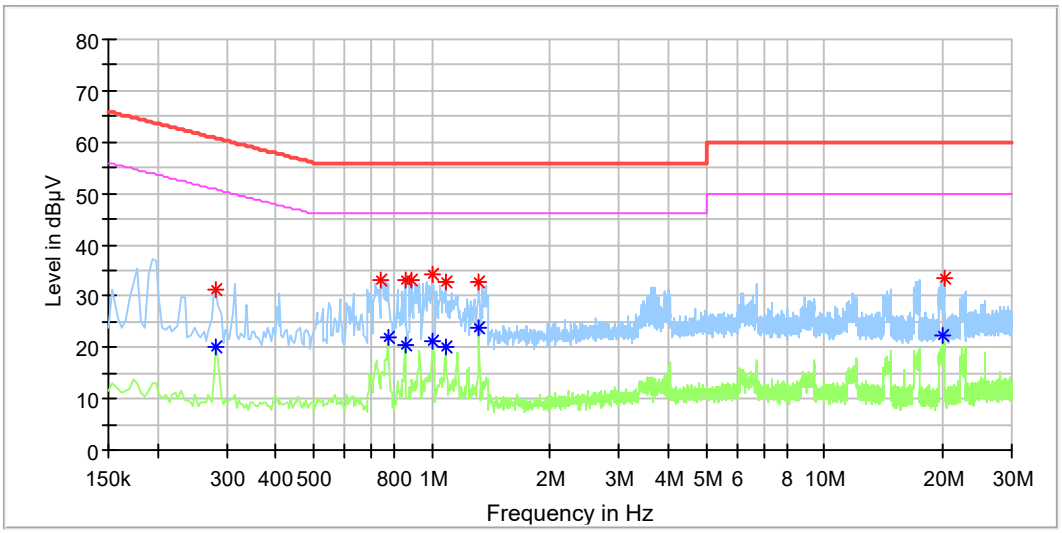
Final_Result

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

Appendix C.7: Test Results of Conducted Emission

EUT Information

EUT Name:	Bluetooth Speaker
Order No:	168334216
Model:	M03
Test mode:	BT
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR2

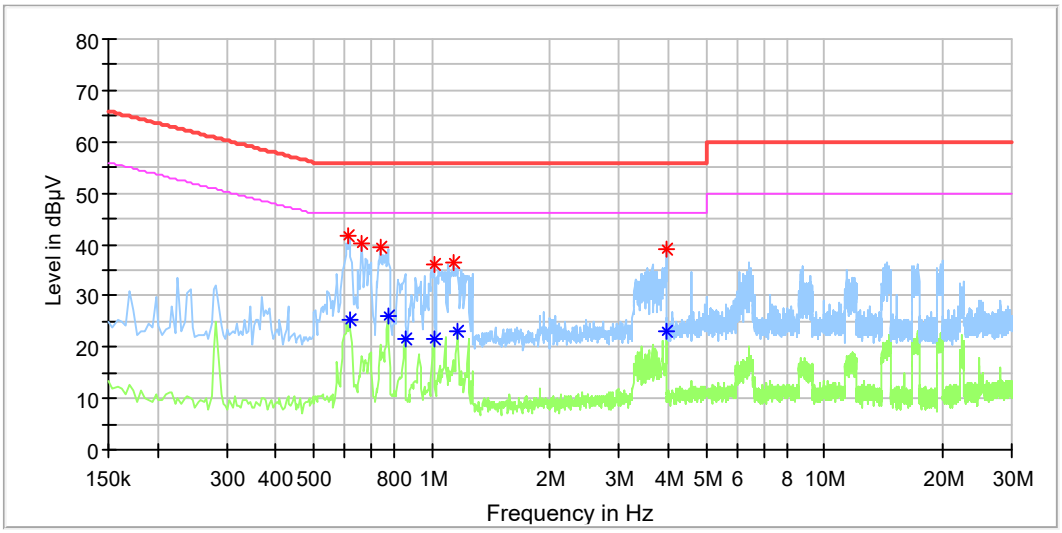


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.282000	---	20.19	50.76	30.57	L1	9.9
0.282000	31.35	---	60.76	29.40	L1	9.9
0.742000	33.17	---	56.00	22.83	L1	10.0
0.774000	---	22.11	46.00	23.89	L1	10.0
0.854000	---	20.42	46.00	25.58	L1	10.0
0.854000	33.07	---	56.00	22.93	L1	10.0
0.890000	33.29	---	56.00	22.71	L1	10.0
1.006000	34.06	---	56.00	21.94	L1	10.0
1.006000	---	21.28	46.00	24.72	L1	10.0
1.082000	32.84	---	56.00	23.16	L1	10.0
1.086000	---	20.25	46.00	25.75	L1	10.0
1.318000	---	23.89	46.00	22.11	L1	10.1
1.318000	32.91	---	56.00	23.09	L1	10.1
20.122000	---	22.41	50.00	27.59	L1	10.4
20.126000	33.48	---	60.00	26.52	L1	10.4

EUT Information

EUT Name:	Bluetooth Speaker
Order No:	168334216
Model:	M03
Test mode:	BT
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR2

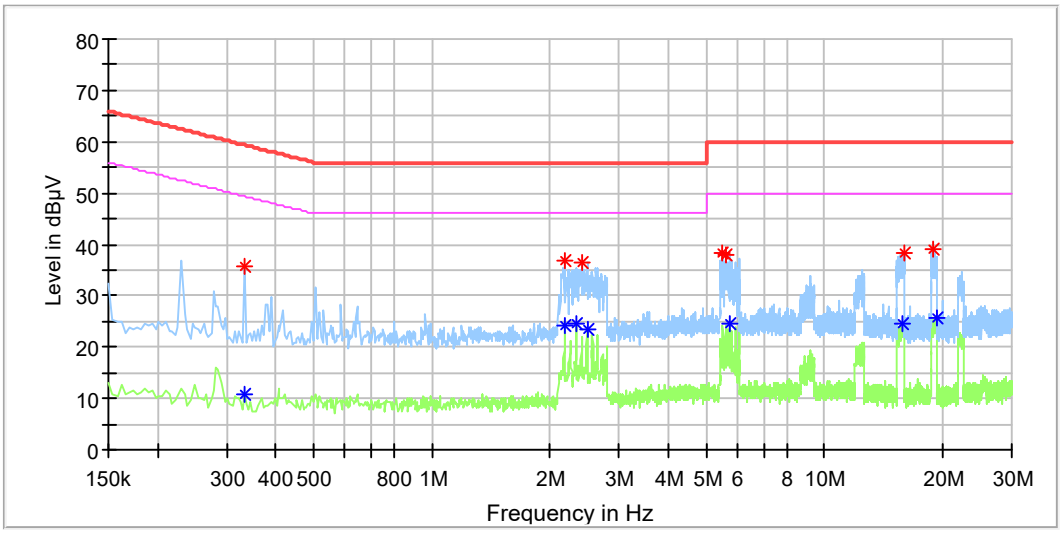


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.614000	41.76	---	56.00	14.24	N	9.8
0.618000	---	25.41	46.00	20.59	N	9.8
0.662000	40.22	---	56.00	15.78	N	9.8
0.738000	39.28	---	56.00	16.72	N	9.8
0.774000	---	25.95	46.00	20.05	N	9.8
0.854000	---	21.57	46.00	24.43	N	9.8
1.010000	---	21.72	46.00	24.28	N	9.8
1.010000	36.12	---	56.00	19.88	N	9.8
1.130000	36.46	---	56.00	19.54	N	9.8
1.162000	---	23.03	46.00	22.97	N	9.8
3.950000	39.11	---	56.00	16.89	N	9.9
3.950000	---	23.05	46.00	22.95	N	9.9

EUT Information

EUT Name:	Bluetooth Speaker
Order No:	168334216
Model:	M06
Test mode:	BT
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR2

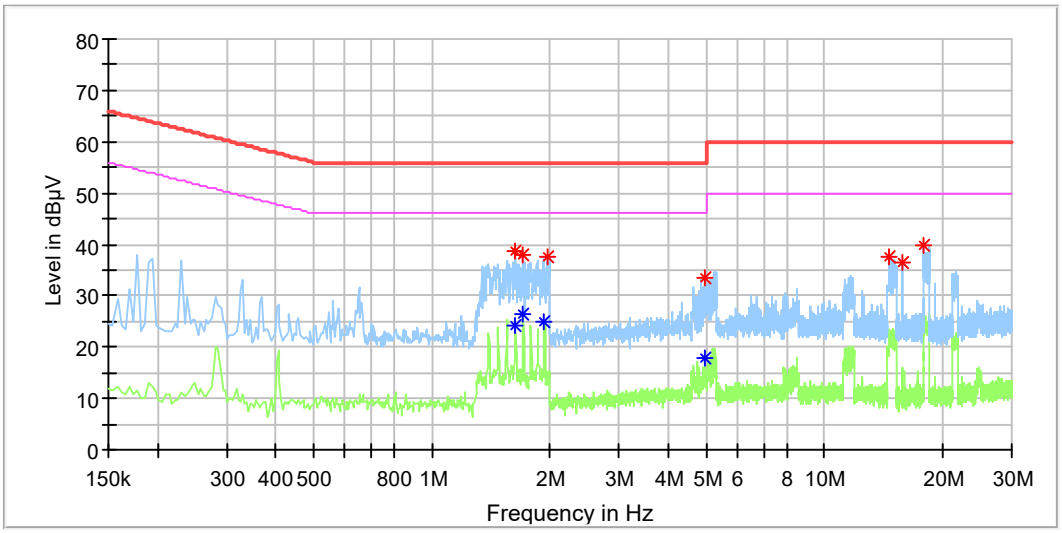


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.334000	---	10.62	49.35	38.73	L1	9.9
0.334000	35.73	---	59.35	23.62	L1	9.9
2.174000	36.73	---	56.00	19.27	L1	10.2
2.178000	---	24.34	46.00	21.66	L1	10.2
2.330000	---	24.72	46.00	21.28	L1	10.2
2.414000	36.56	---	56.00	19.44	L1	10.2
2.490000	---	23.62	46.00	22.38	L1	10.2
5.518000	38.42	---	60.00	21.58	L1	10.3
5.602000	38.00	---	60.00	22.00	L1	10.3
5.754000	---	24.57	50.00	25.43	L1	10.3
15.790000	---	24.71	50.00	25.29	L1	10.4
15.946000	38.45	---	60.00	21.55	L1	10.4
18.946000	39.20	---	60.00	20.80	L1	10.4
19.250000	---	25.64	50.00	24.36	L1	10.4

EUT Information

EUT Name:	Bluetooth Speaker
Order No:	168334216
Model:	M06
Test mode:	BT
Test Voltage:	AC 120V/60Hz
Test By:	Ouyang Wang
Review By:	Gary Chen
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
1.634000	38.61	---	56.00	17.39	N	9.8
1.634000	---	24.34	46.00	21.66	N	9.8
1.710000	---	26.33	46.00	19.67	N	9.8
1.710000	37.97	---	56.00	18.03	N	9.8
1.938000	---	24.91	46.00	21.09	N	9.8
1.962000	37.73	---	56.00	18.27	N	9.8
4.962000	---	17.80	46.00	28.20	N	9.9
4.962000	33.64	---	56.00	22.36	N	9.9
14.670000	37.43	---	60.00	22.57	N	10.1
15.806000	36.40	---	60.00	23.60	N	10.1
17.934000	39.88	---	60.00	20.12	N	10.2