

Appendix A: Test Results of FCC 15B

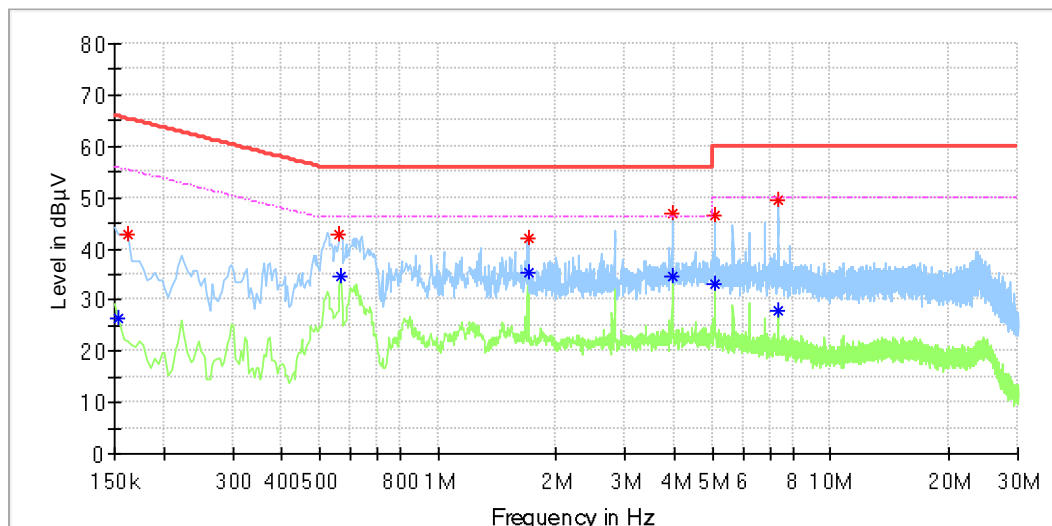
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Appendix A.1: Test Results of Conducted Emission on AC Mains

TWS + USB Charging

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order Number:	168390091
Model:	EE6154
Test Mode:	TWS+USB Charging
Test Voltage:	AC 120V/60Hz (PC)
Test By:/Review By:	Steve Lan/Gary Chen
Test Standard:	FCC Part 15B
Tem./Hum./Pressure:	25.0°C/50.2%/101kPa
Remark:	SR2

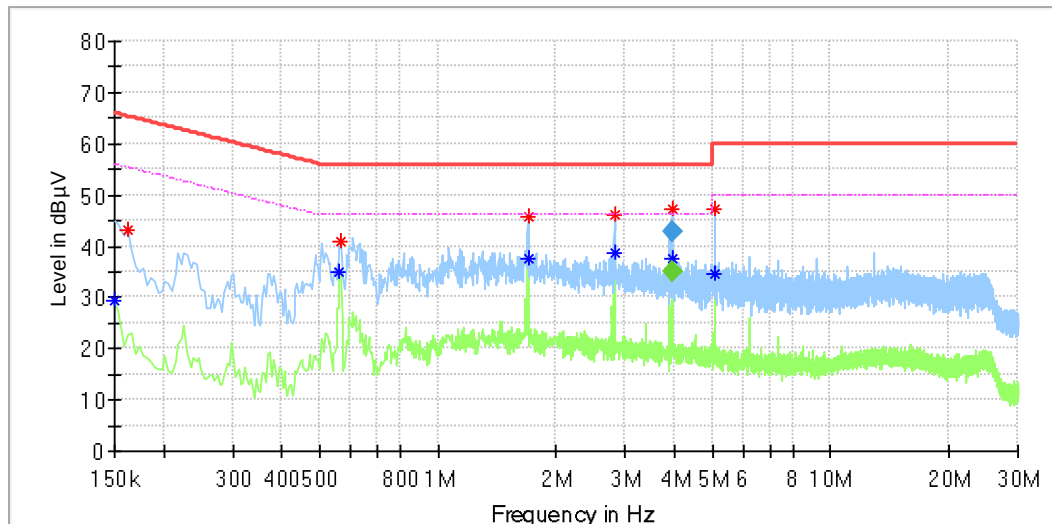


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	26.57	55.78	29.21	L1	9.9
0.162000	42.81	---	65.36	22.55	L1	9.9
0.562000	42.85	---	56.00	13.15	L1	10.0
0.566000	---	34.47	46.00	11.53	L1	10.0
1.694000	---	35.34	46.00	10.66	L1	10.1
1.698000	42.22	---	56.00	13.78	L1	10.1
3.946000	---	34.47	46.00	11.53	L1	10.2
3.946000	46.71	---	56.00	9.29	L1	10.2
5.074000	---	33.10	50.00	16.90	L1	10.3
5.074000	46.49	---	60.00	13.51	L1	10.3
7.330000	49.41	---	60.00	10.59	L1	10.3
7.330000	---	27.89	50.00	22.11	L1	10.3

EUT Information

EUT Name: BLUETOOTH HOME POD SPEAKER
Order Number: 168390091
Model: EE6154
Test Mode: TWS+USB Charging
Test Voltage: AC 120V/60Hz (PC)
Test By:/Review By: Steve Lan/Gary Chen
Test Standard: FCC Part 15B
Tem./Hum./Pressure: 25.0°C/50.2%/101kPa
Remark: SR2



Critical Freqs

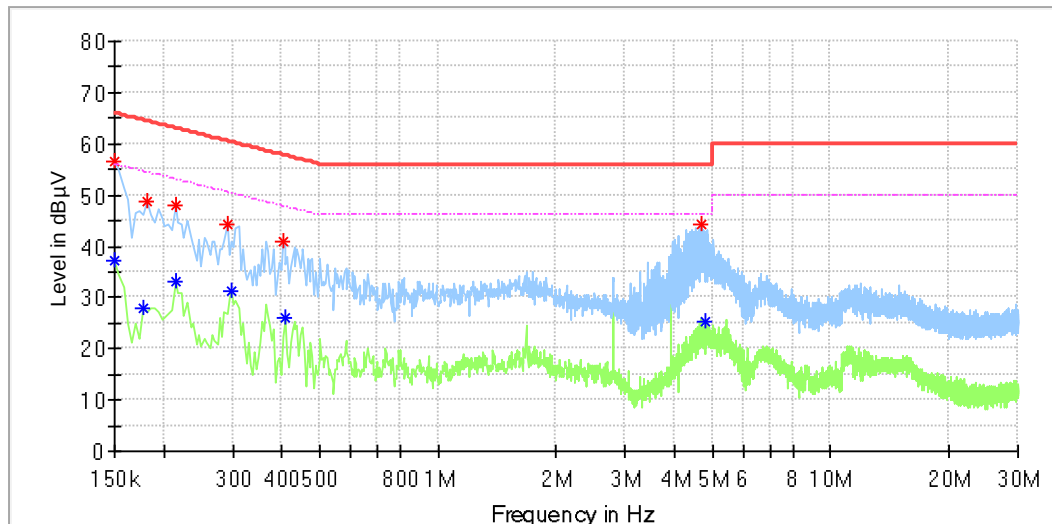
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	29.28	56.00	26.72	N	9.8
0.162000	43.16	---	65.36	22.20	N	9.8
0.562000	---	34.87	46.00	11.13	N	9.8
0.566000	40.92	---	56.00	15.08	N	9.8
1.694000	45.79	---	56.00	10.21	N	9.8
1.694000	---	37.43	46.00	8.57	N	9.8
2.822000	46.31	---	56.00	9.69	N	9.9
2.822000	---	38.80	46.00	7.20	N	9.9
3.945500	47.27	---	56.00	8.73	N	9.9
3.945500	---	37.56	46.00	8.44	N	9.9
5.062000	47.43	---	60.00	12.57	N	9.9
5.066000	---	34.53	50.00	15.47	N	9.9

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
3.945500	42.88	---	56.00	13.12	1000.0	9.000	N	9.9
3.945500	---	34.80	46.00	11.20	1000.0	9.000	N	9.9

EUT Information

EUT Name: BLUETOOTH HOME POD SPEAKER
Order Number: 168390091
Model: EE6154
Test Mode: TWS+USB Charging
Test Voltage: AC 120V/60Hz (Adapter)
Test By:/Review By: Steve Lan/Gary Chen
Test Standard: FCC Part 15B
Tem./Hum./Pressure: 25.0°C/50.2%/101kPa
Remark: SR2

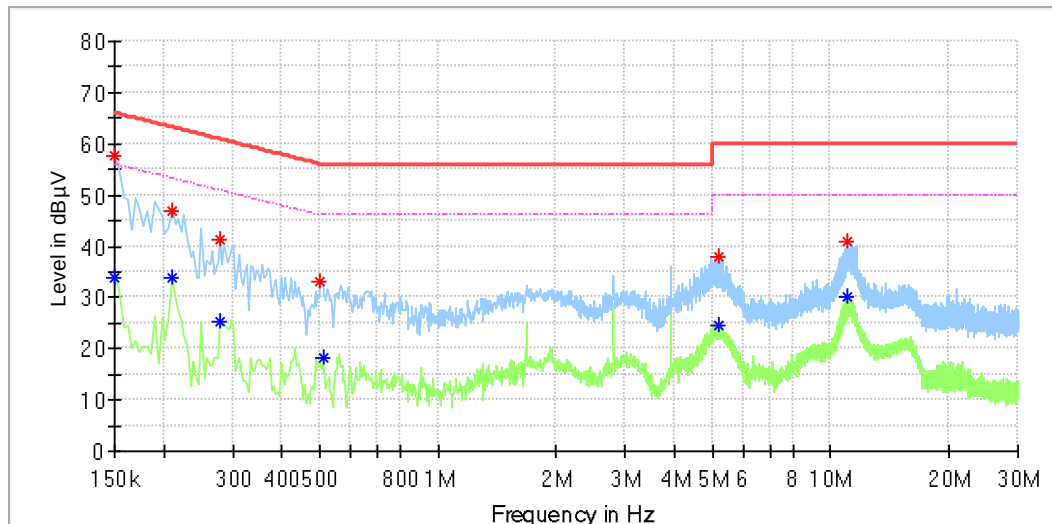


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	37.39	56.00	18.61	L1	9.9
0.150000	56.42	---	66.00	9.58	L1	9.9
0.178000	---	27.73	54.58	26.85	L1	9.9
0.182000	48.60	---	64.39	15.79	L1	9.9
0.214000	47.95	---	63.05	15.10	L1	9.9
0.214000	---	33.19	53.05	19.86	L1	9.9
0.290000	44.39	---	60.52	16.14	L1	9.9
0.298000	---	31.26	50.30	19.04	L1	9.9
0.402000	40.80	---	57.81	17.01	L1	9.9
0.410000	---	25.89	47.65	21.76	L1	9.9
4.682000	44.15	---	56.00	11.85	L1	10.2
4.818000	---	25.48	46.00	20.52	L1	10.2

EUT Information

EUT Name: BLUETOOTH HOME POD SPEAKER
Order Number: 168390091
Model: EE6154
Test Mode: TWS+USB Charging
Test Voltage: AC 120V/60Hz (Adapter)
Test By:/Review By: Steve Lan/Gary Chen
Test Standard: FCC Part 15B
Tem./Hum./Pressure: 25.0°C/50.2%/101kPa
Remark: SR2



Critical Freqs

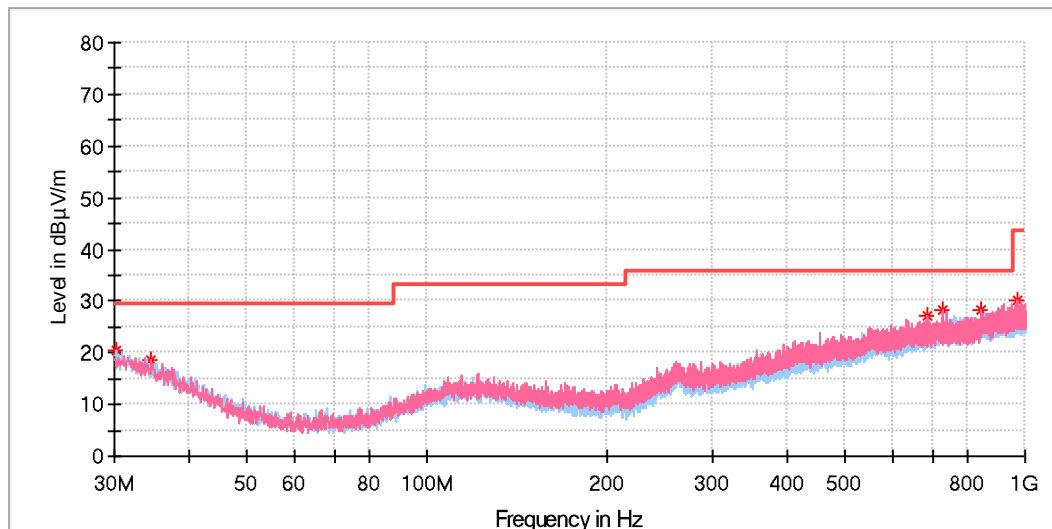
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	---	34.01	56.00	21.99	N	9.8
0.150000	57.68	---	66.00	8.32	N	9.8
0.210000	---	33.94	53.21	19.27	N	9.8
0.210000	47.06	---	63.21	16.15	N	9.8
0.278000	---	25.28	50.88	25.60	N	9.8
0.278000	41.38	---	60.88	19.49	N	9.8
0.502000	33.25	---	56.00	22.75	N	9.8
0.510000	---	18.36	46.00	27.64	N	9.8
5.214000	---	24.70	50.00	25.30	N	9.9
5.214000	38.09	---	60.00	21.91	N	9.9
11.070000	---	30.21	50.00	19.79	N	10.0
11.078000	40.81	---	60.00	19.19	N	10.0

Appendix A.2: Test Results of Radiated Emission, Below 1GHz

BT mode

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order Number:	168390091
Model:	EE6154
Test Mode:	BT
Test Voltage:	Battery
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	25.2°C/49.2%/101kPa
Remark:	10m SAC



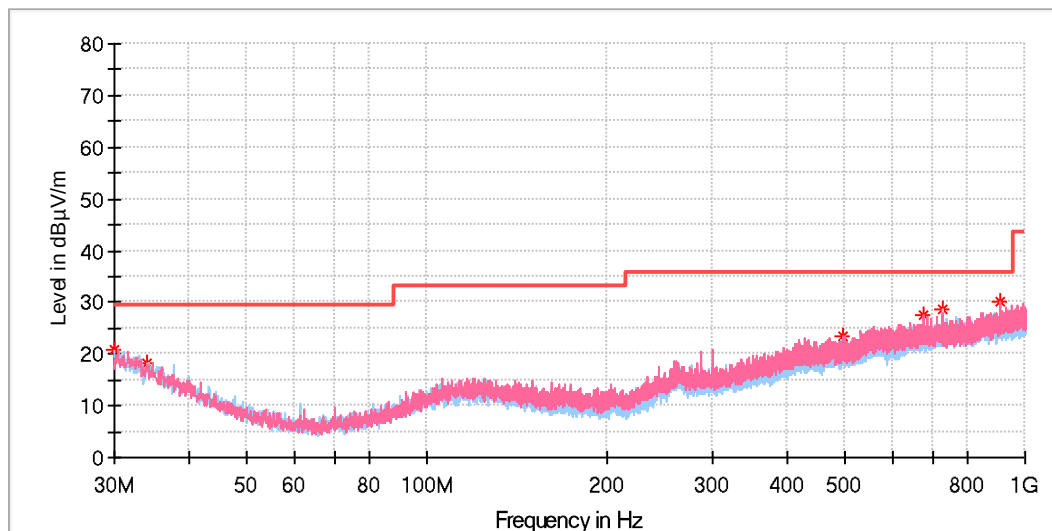
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.215556	20.34	29.50	9.16	100.0	H	55.0	-9.7
34.472778	18.72	29.50	10.78	200.0	V	0.0	-6.9
684.965556	26.98	35.60	8.62	100.0	V	0.0	-0.3
729.046667	28.16	35.60	7.44	100.0	V	285.0	-0.2
845.770000	28.25	35.60	7.35	100.0	V	154.0	1.2
973.540556	30.14	43.50	13.36	100.0	V	69.0	3.2

TWS mode

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order Number:	168390091
Model:	EE6154
Test Mode:	TWS
Test Voltage:	Battery
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.4°C/54.5%/101kPa
Remark:	10m SAC



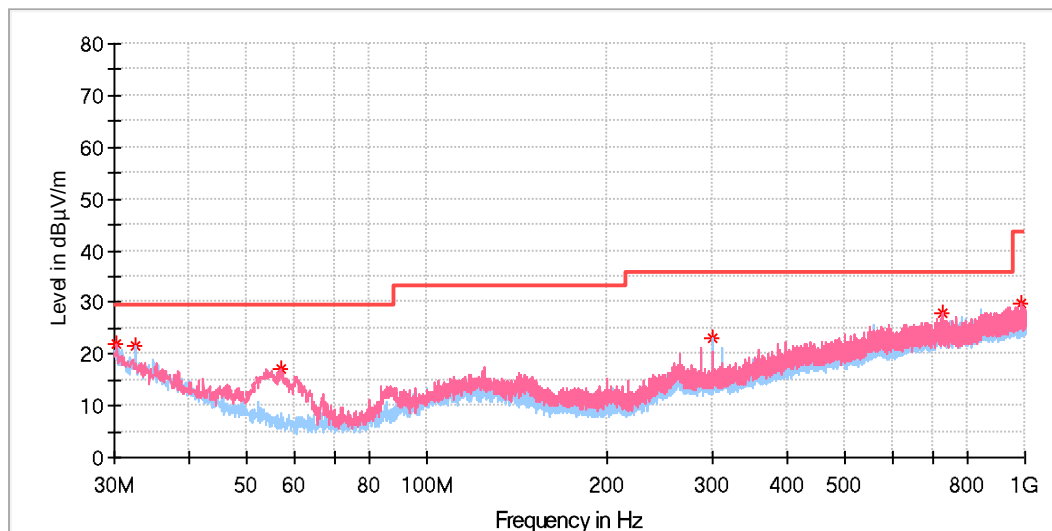
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.053889	20.84	29.50	8.66	100.0	H	203.0	-9.6
34.095556	18.32	29.50	11.18	100.0	H	286.0	-12.1
497.755556	23.60	35.60	12.00	200.0	V	181.0	-3.3
675.427222	27.57	35.60	8.03	100.0	V	60.0	-0.3
728.453889	28.52	35.60	7.08	200.0	H	254.0	-4.9
908.119444	30.20	35.60	5.40	100.0	V	145.0	2.2

TWS + USB Charging

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order Number:	168390091
Model:	EE6154
Test Mode:	TWS+USB Charging
Test Voltage:	AC120V/60Hz
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.4°C/54.5%/101kPa
Remark:	10m SAC



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.269444	21.87	29.50	7.63	100.0	V	226.0	-4.7
32.586667	21.54	29.50	7.96	100.0	H	0.0	-11.2
56.836667	17.23	29.50	12.27	100.0	V	194.0	-16.4
299.983333	23.06	35.60	12.54	200.0	H	106.0	-13.7
729.154444	27.82	35.60	7.78	100.0	V	168.0	-0.1
982.701667	29.70	43.50	13.80	200.0	V	347.0	3.3

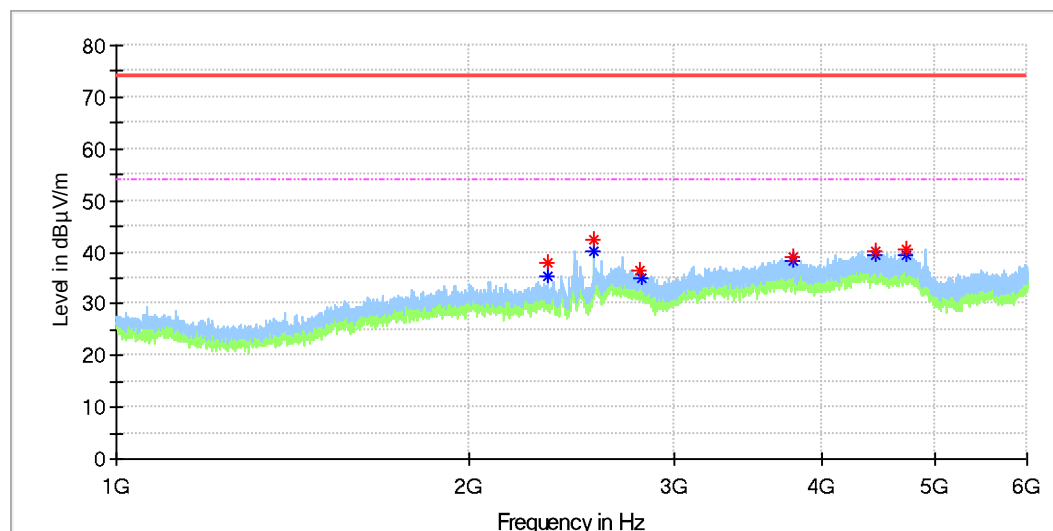
Appendix A.3: Test Results of Radiated Emission, Above 1GHz

Note: Testing was carried out within frequency range 30MHz to the 5th harmonics. The measurement results above 6GHz were greater than 20dB below the limit, so only record the test result within the 30MHz to 6GHz.

BT mode

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	BT
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber

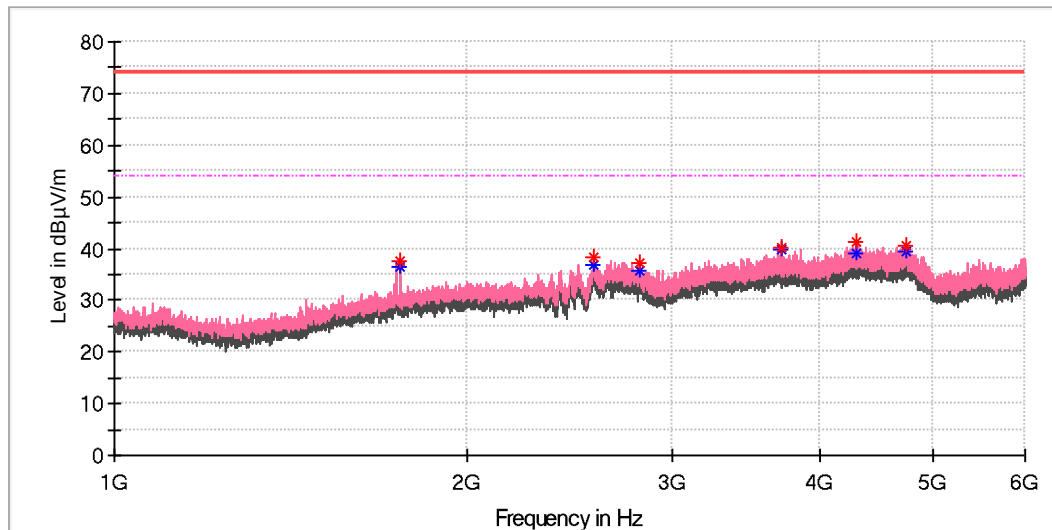


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.000000	---	35.39	54.00	18.61	100.0	H	42.0	-6.4
2338.000000	38.09	---	74.00	35.91	100.0	H	42.0	-6.4
2554.500000	---	40.04	54.00	13.96	200.0	H	54.0	-4.2
2554.500000	42.38	---	74.00	31.62	200.0	H	54.0	-4.2
2798.500000	36.33	---	74.00	37.67	200.0	H	142.0	-3.7
2812.500000	---	34.98	54.00	19.02	100.0	H	229.0	-3.9
3786.500000	---	38.31	54.00	15.69	200.0	H	312.0	0.0
3786.500000	39.20	---	74.00	34.80	200.0	H	312.0	0.0
4460.500000	---	39.34	54.00	14.66	100.0	H	143.0	2.0
4460.500000	40.21	---	74.00	33.79	100.0	H	143.0	2.0
4739.000000	---	39.43	54.00	14.57	100.0	H	52.0	2.8
4739.000000	40.58	---	74.00	33.42	100.0	H	52.0	2.8

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	BT
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber



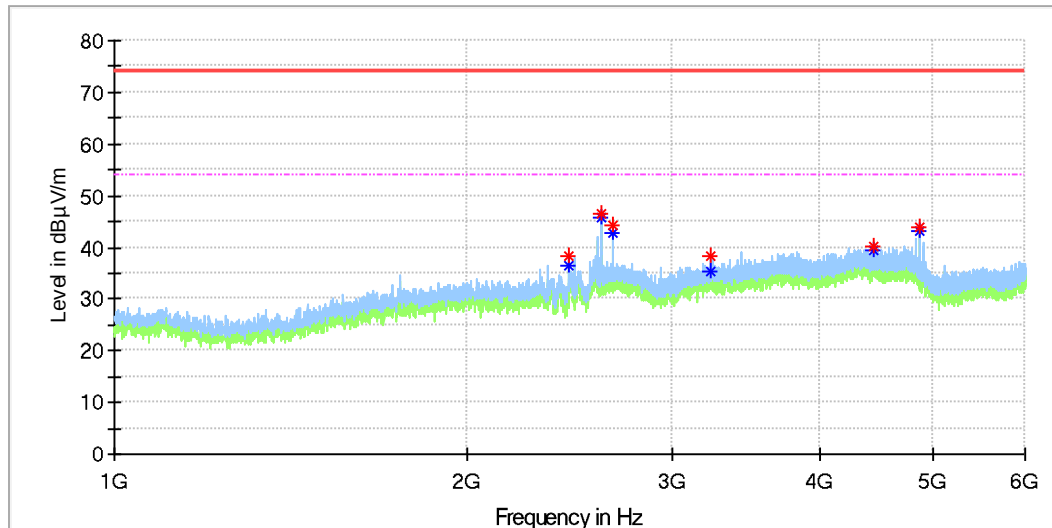
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4307.000000	---	39.25	54.00	14.75	100.0	V	4.0	2.2
4307.000000	41.34	---	74.00	32.66	100.0	V	4.0	2.2
2568.000000	---	36.71	54.00	17.29	200.0	V	78.0	-4.0
2568.000000	38.29	---	74.00	35.71	200.0	V	78.0	-4.0
2808.500000	---	35.89	54.00	18.11	200.0	V	150.0	-3.8
2808.500000	37.03	---	74.00	36.97	200.0	V	150.0	-3.8
1756.000000	37.67	---	74.00	36.33	200.0	V	275.0	-8.7
1752.000000	---	36.50	54.00	17.50	200.0	V	284.0	-8.8
4755.000000	---	39.62	54.00	14.38	200.0	V	284.0	2.9
3722.500000	---	39.81	54.00	14.19	200.0	V	337.0	0.3
3722.500000	40.25	---	74.00	33.75	200.0	V	337.0	0.3
4748.000000	40.46	---	74.00	33.54	200.0	V	346.0	2.9

TWS mode

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	TWS
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber

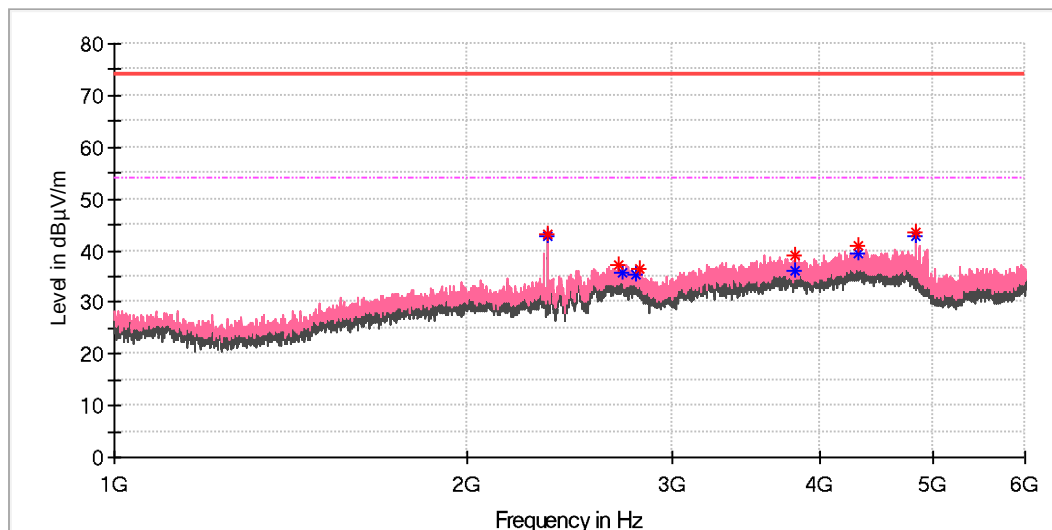


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2441.000000	38.26	---	74.00	35.74	100.0	H	282.0	-5.2
2441.000000	---	36.34	54.00	17.66	100.0	H	282.0	-5.2
2606.000000	46.58	---	74.00	27.42	200.0	H	195.0	-3.7
2606.000000	---	45.80	54.00	8.20	200.0	H	195.0	-3.7
2666.000000	---	42.71	54.00	11.29	100.0	H	168.0	-3.3
2666.000000	44.44	---	74.00	29.56	100.0	H	168.0	-3.3
3236.000000	---	35.30	54.00	18.70	200.0	H	237.0	-2.0
3236.000000	38.36	---	74.00	35.64	200.0	H	237.0	-2.0
4457.000000	40.22	---	74.00	33.78	100.0	H	130.0	2.0
4457.000000	---	39.28	54.00	14.72	100.0	H	130.0	2.0
4880.500000	---	43.06	54.00	10.94	200.0	H	340.0	1.3
4880.500000	43.74	---	74.00	30.26	200.0	H	340.0	1.3

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	TWS
Test Voltage:	Battery
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber



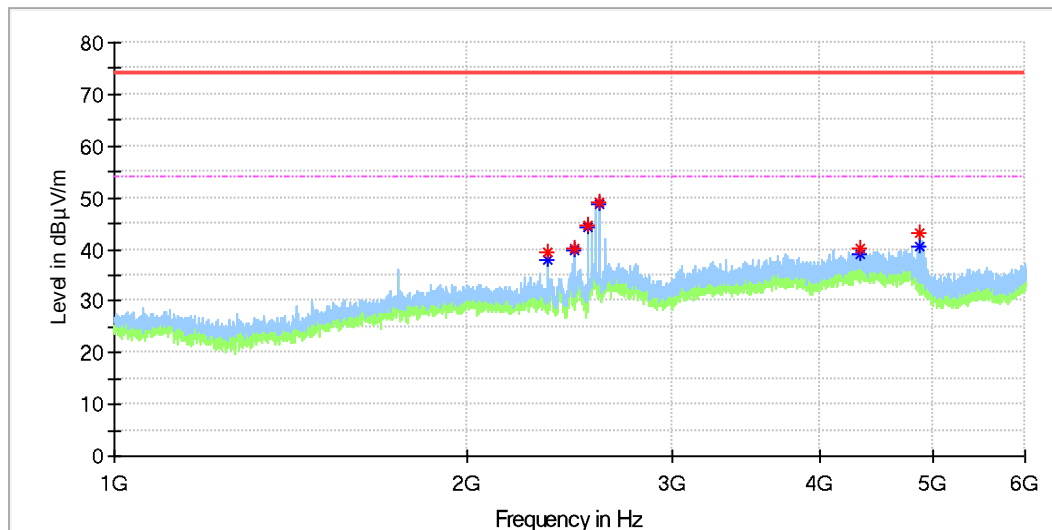
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2345.500000	43.07	---	74.00	30.93	100.0	V	4.0	-6.3
2345.500000	---	42.69	54.00	11.31	100.0	V	4.0	-6.3
2698.500000	37.32	---	74.00	36.68	200.0	V	171.0	-3.3
2712.500000	---	35.68	54.00	18.32	100.0	V	177.0	-3.3
2788.500000	---	35.39	54.00	18.61	100.0	V	66.0	-3.7
2810.000000	36.56	---	74.00	37.44	200.0	V	181.0	-3.8
3822.000000	---	36.02	54.00	17.98	200.0	V	233.0	0.0
3822.000000	39.13	---	74.00	34.87	200.0	V	233.0	0.0
4317.000000	---	39.50	54.00	14.50	200.0	V	209.0	2.2
4317.000000	40.84	---	74.00	33.16	200.0	V	209.0	2.2
4834.500000	43.66	---	74.00	30.34	200.0	V	110.0	1.9
4834.500000	---	42.61	54.00	11.39	200.0	V	110.0	1.9

TWS + USB Charging

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	TWS+USB Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber

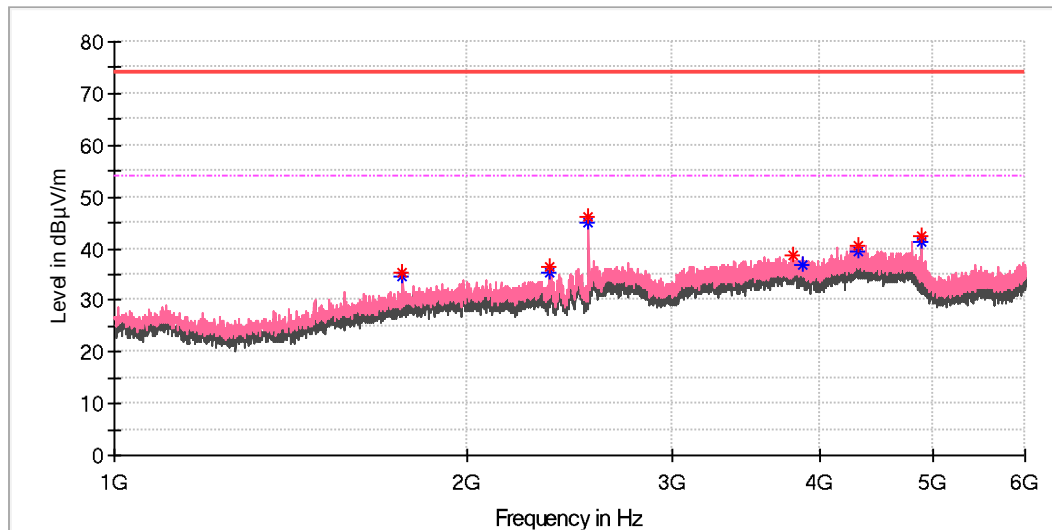


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2347.500000	39.55	---	74.00	34.45	100.0	H	95.0	-6.3
2347.500000	---	38.12	54.00	15.88	100.0	H	95.0	-6.3
2475.000000	---	39.92	54.00	14.08	100.0	H	198.0	-4.8
2475.000000	40.08	---	74.00	33.92	100.0	H	198.0	-4.8
2542.000000	---	44.24	54.00	9.76	100.0	H	301.0	-4.3
2542.000000	44.71	---	74.00	29.29	100.0	H	301.0	-4.3
2599.500000	49.08	---	74.00	24.92	100.0	H	286.0	-3.8
2599.500000	---	48.76	54.00	5.24	100.0	H	286.0	-3.8
4334.000000	40.11	---	74.00	33.89	100.0	H	81.0	2.2
4334.000000	---	39.12	54.00	14.88	100.0	H	81.0	2.2
4874.500000	43.03	---	74.00	30.97	100.0	H	248.0	1.3
4874.500000	---	40.59	54.00	13.41	100.0	H	248.0	1.3

EUT Information

EUT Name:	BLUETOOTH HOME POD SPEAKER
Order No:	168390091
Model:	EE6154
Test Mode:	TWS+USB Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15B
Test By:/Review By:	Steve Lan/Gary Chen
Tem./Hum./Pressure:	24.5°C/48.6%/101kPa
Remark:	3m chamber



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1764.000000	---	34.43	54.00	19.57	200.0	V	345.0	-8.7
1764.000000	35.17	---	74.00	38.83	200.0	V	345.0	-8.7
2352.500000	36.54	---	74.00	37.46	100.0	V	128.0	-6.2
2353.000000	---	35.39	54.00	18.61	100.0	V	128.0	-6.2
2543.000000	---	45.05	54.00	8.95	100.0	V	174.0	-4.3
2543.000000	45.97	---	74.00	28.03	100.0	V	174.0	-4.3
3806.000000	38.87	---	74.00	35.13	100.0	V	58.0	0.0
3872.000000	---	37.00	54.00	17.00	100.0	V	133.0	0.0
4323.000000	---	39.38	54.00	14.62	100.0	V	156.0	2.2
4323.000000	40.58	---	74.00	33.42	100.0	V	156.0	2.2
4898.000000	---	41.39	54.00	12.61	200.0	V	87.0	1.0
4898.000000	42.25	---	74.00	31.75	200.0	V	87.0	1.0