

Appendix C: Test Results of FCC 15B

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Appendix C.1: Test Plots of Conducted Emission on AC Mains

Charging mode for earphones and charging case

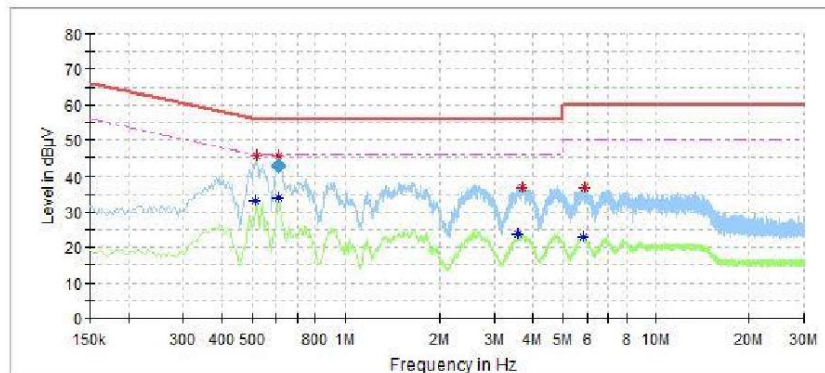
Test

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Test Report

EUT Information

EUT Name:	Wireless Earphone
Order No.:	168292414(50)
Model:	TWSEBWHV2PRM
Test Mode:	Charging mode
Test Voltage:	DC
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.516000	---	33.43	46.00	12.57	L1	9.7
0.520000	45.50	---	56.00	10.50	L1	9.7
0.610500	45.42	---	56.00	10.58	L1	9.7
0.612000	---	34.11	46.00	11.89	L1	9.7
3.588000	---	23.97	46.00	22.03	L1	9.8
3.692000	36.87	---	56.00	19.13	L1	9.8
5.836000	---	23.07	50.00	26.93	L1	10.0
5.904000	36.88	---	60.00	23.12	L1	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.610500	42.76	---	56.00	13.24	200.0	9.000	L1	9.7

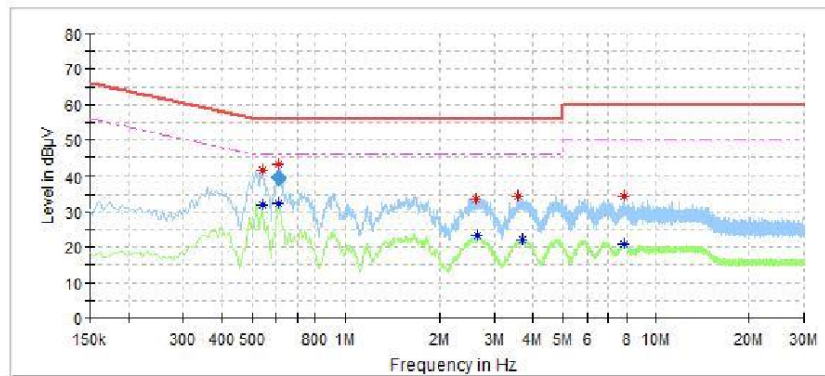
Test

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Test Report

EUT Information

EUT Name:	Wireless Earphone
Order No.:	168292414(50)
Model:	TWSEBWHV2PRM
Test Mode:	Charging mode
Test Voltage:	DC
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.540000	---	32.04	46.00	13.96	N	9.7
0.540000	41.38	---	56.00	14.62	N	9.7
0.608000	---	32.48	46.00	13.52	N	9.7
0.610500	42.94	---	56.00	13.06	N	9.7
2.632000	33.73	---	56.00	22.27	N	9.8
2.660000	---	23.19	46.00	22.81	N	9.8
3.584000	34.26	---	56.00	21.74	N	9.8
3.716000	---	22.01	46.00	23.99	N	9.8
7.836000	---	21.00	50.00	29.00	N	10.0
7.840000	34.32	---	60.00	25.68	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.610500	39.55	---	56.00	16.45	200.0	9.000	N	9.7

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Appendix C.2: Test Plots of Radiated Emission, Below 1GHz

Charging mode for earphones and charging case

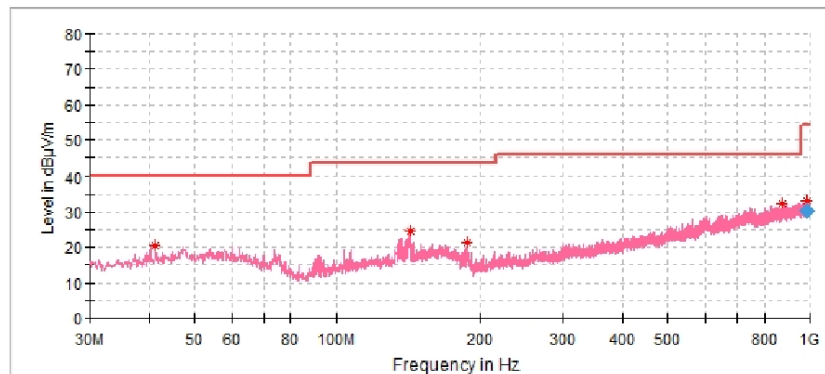
30M-1G-V-BOX

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EMC32 Report

EUT Information

EUT Name:	Wireless Earphone
Model:	TWSEBWHV2PRM
Order No:	168292414(50)
Test Mode:	Charging mode
Test Voltage:	AC 230V 50Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.252000	20.31	40.00	19.69	100.0	V	230.0	20
142.423000	24.78	43.50	18.72	100.0	V	340.0	20
187.431000	21.18	43.50	22.32	100.0	V	300.0	18
875.743000	32.59	46.00	13.41	100.0	V	0.0	31
986.343000	33.25	54.00	20.75	200.0	V	8.0	32

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
986.343000	30.55	54.00	23.45	1000.0	120.000	200.0	V	8.0	32

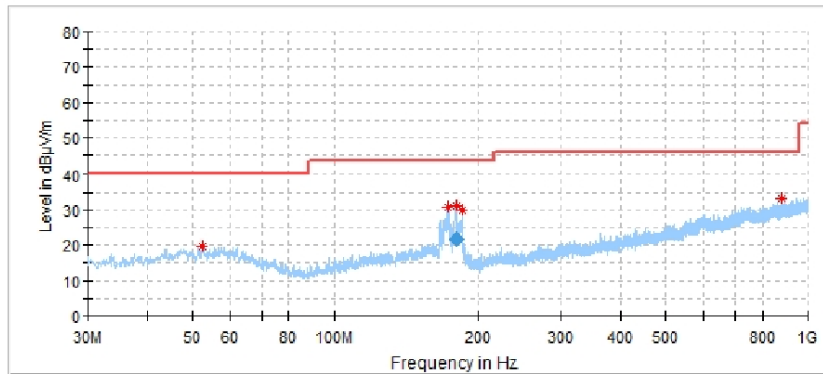
30M-1G-V-BOX

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EMC32 Report

EUT Information

EUT Name:	Wireless Earphone
Model:	TWSEBWHV2PRM
Order No:	168292414(50)
Test Mode:	Charging mode
Test Voltage:	AC 230V 50Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
52.504000	19.75	40.00	20.25	100.0	H	284.0	21
172.008000	30.69	43.50	12.81	200.0	H	315.0	21
179.554000	31.22	43.50	12.28	164.0	H	315.0	19
185.006000	29.79	43.50	13.71	200.0	H	315.0	18
882.339000	33.05	46.00	12.95	100.0	H	75.0	31

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
179.554000	21.70	43.50	21.80	1000.0	120.000	164.0	H	315.0	19

Appendix C.3: Test Plots of Radiated Emission, Above 1GHz

Charging mode for earphones and charging case

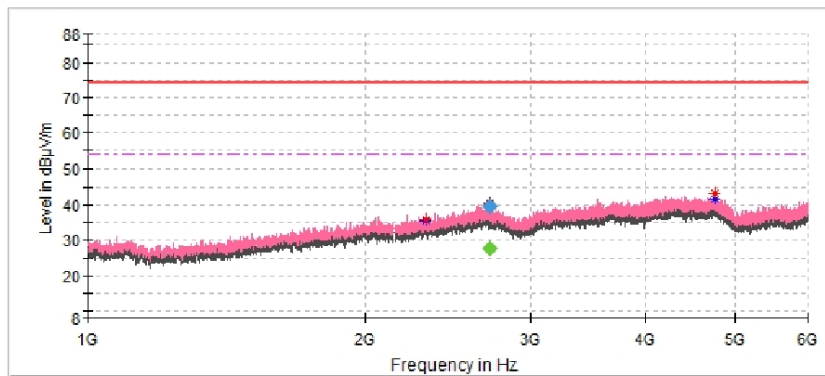
30M-1G-V-BOX

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EMC32 Report

EUT Information

EUT Name:	Wireless Earphone
Model:	TWSEBWHV2PRM
Order No:	168292414(50)
Test Mode:	Charging mode
Test Voltage:	AC 230V 50Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
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)
2318.500000	35.93	---	74.00	38.07	200.0	V	77.0	-6
2318.500000	---	35.62	54.00	18.38	200.0	V	77.0	-6
2713.800000	40.45	---	74.00	33.55	200.0	V	240.0	-3
2715.800000	---	27.74	54.00	26.26	200.0	V	216.0	-3
4763.000000	43.08	---	74.00	30.92	200.0	V	201.0	3
4763.000000	---	41.63	54.00	12.37	200.0	V	201.0	3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2713.800000	39.76	---	74.00	34.24	200.0	V	240.0	-3
2715.800000	---	27.67	54.00	26.33	200.0	V	216.0	-3

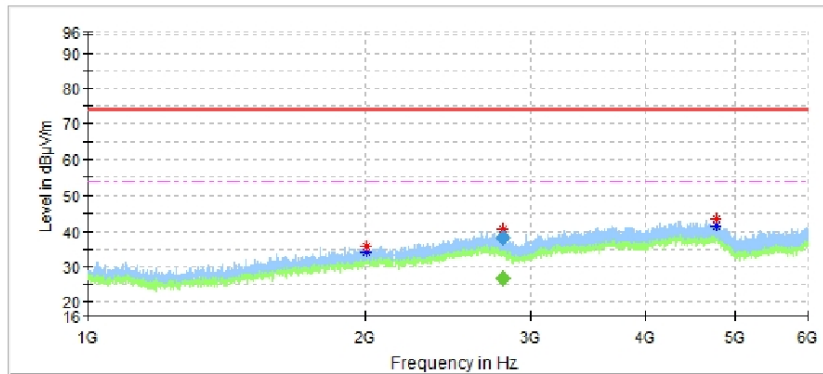
30M-1G-V-BOX

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EMC32 Report

EUT Information

EUT Name:	Wireless Earphone
Model:	TWSEBWHV2PRM
Order No:	168292414(50)
Test Mode:	Charging mode
Test Voltage:	AC 230V 50Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
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)
2004.000000	35.66	---	74.00	38.34	200.0	H	0.0	-7
2004.000000	---	34.21	54.00	19.79	200.0	H	0.0	-7
2800.700000	40.42	---	74.00	33.58	100.0	H	209.0	-4
2805.500000	---	26.85	54.00	27.15	100.0	H	134.0	-4
4783.000000	43.47	---	74.00	30.53	200.0	H	62.0	3
4783.000000	---	41.60	54.00	12.40	200.0	H	62.0	3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2800.700000	37.95	---	74.00	36.05	100.0	H	209.0	-4
2805.500000	---	26.82	54.00	27.18	100.0	H	134.0	-4