

Appendix C: Test Results of FCC 15B & ICES-003

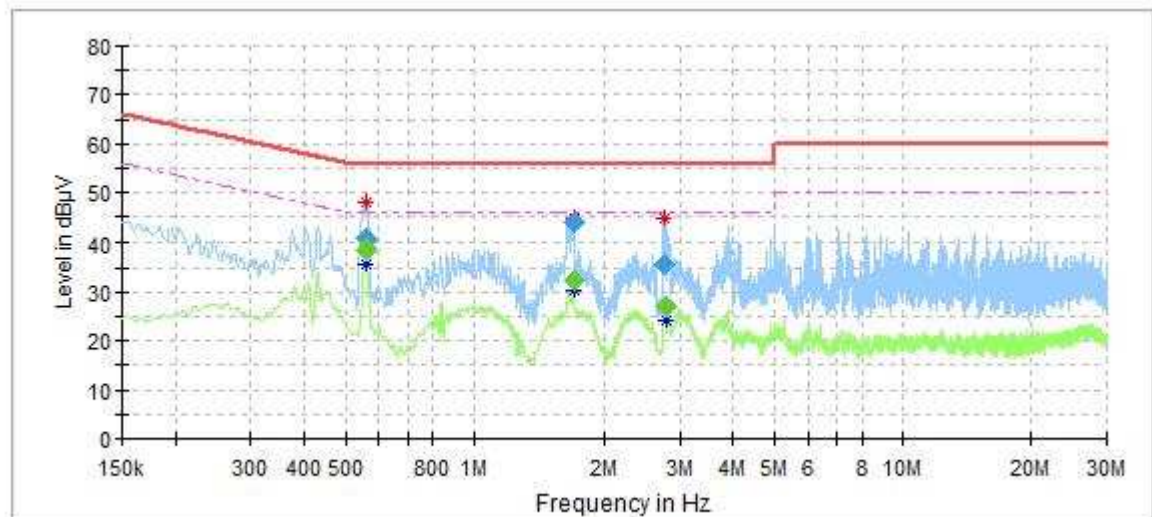
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Appendix C.1: Test Plots of Conducted Emission on AC Mains

Charging and BT playing mode

EUT Information

EUT Name:	Sonix Bluetooth Speaker
Order No.:	168286270 90
Model:	SNX-TE-003
Test Mode:	Charging and BT playing mode
Test Voltage:	AC 120V, 60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	



Critical Freqs

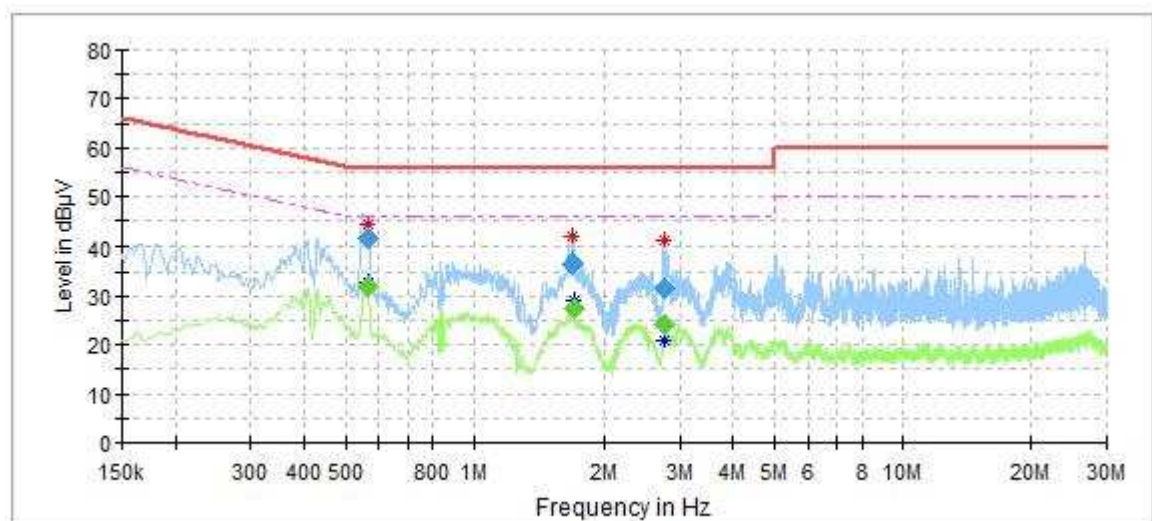
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.557925	48.11	---	56.00	7.89	L1	9.7
0.561633	---	35.54	46.00	10.46	L1	9.7
1.693883	---	30.31	46.00	15.69	L1	9.7
1.697592	44.69	---	56.00	11.31	L1	9.7
2.764292	44.72	---	56.00	11.28	L1	9.8
2.781950	---	24.15	46.00	21.85	L1	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.557925	40.51	---	56.00	15.49	200.0	9.000	L1	9.7
0.561633	---	38.71	46.00	7.29	200.0	9.000	L1	9.7
1.693883	---	32.22	46.00	13.78	200.0	9.000	L1	9.7
1.697592	43.94	---	56.00	12.06	200.0	9.000	L1	9.7
2.764292	35.89	---	56.00	20.11	200.0	9.000	L1	9.8
2.781950	---	27.08	46.00	18.92	200.0	9.000	L1	9.8

EUT Information

EUT Name: Sonix Bluetooth Speaker
Order No.: 168286270 90
Model: SNX-TE-003
Test Mode: Charging and BT playing mode
Test Voltage: AC 120V, 60Hz
Test By: Jianhua Lu
Review By: Gary Chen
Remark:



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.563583	44.46	---	56.00	11.54	N	9.7
0.564267	---	32.92	46.00	13.08	N	9.7
1.674567	41.90	---	56.00	14.10	N	9.7
1.696225	---	29.21	46.00	16.79	N	9.7
2.748683	41.18	---	56.00	14.82	N	9.8
2.768975	---	20.84	46.00	25.16	N	9.8

Final Result

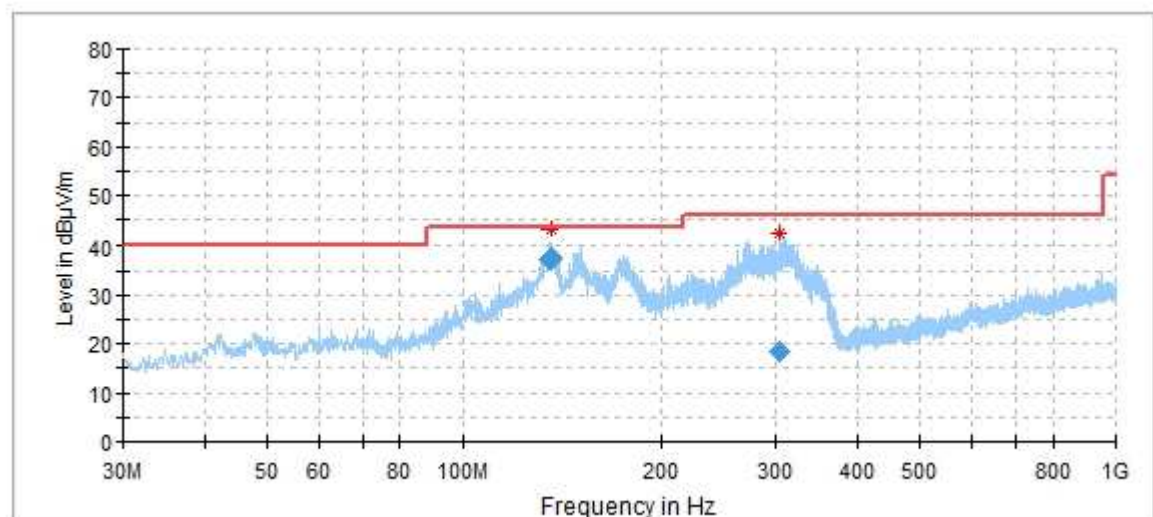
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.563583	41.42	---	56.00	14.58	200.0	9.000	N	9.7
0.564267	---	31.88	46.00	14.12	200.0	9.000	N	9.7
1.674567	36.47	---	56.00	19.53	200.0	9.000	N	9.7
1.696225	---	27.51	46.00	18.49	200.0	9.000	N	9.7
2.748683	31.41	---	56.00	24.59	200.0	9.000	N	9.8
2.768975	---	24.21	46.00	21.79	200.0	9.000	N	9.8

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

Charging and BT playing mode

EUT Information

EUT Name:	Sonix Bluetooth Speaker
Model	SNX-TE-003
Order No:	168286270 90
Test Mode:	Charging and BT playing mode
Test Voltage:	AC 120V, 60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	



Critical Freqs

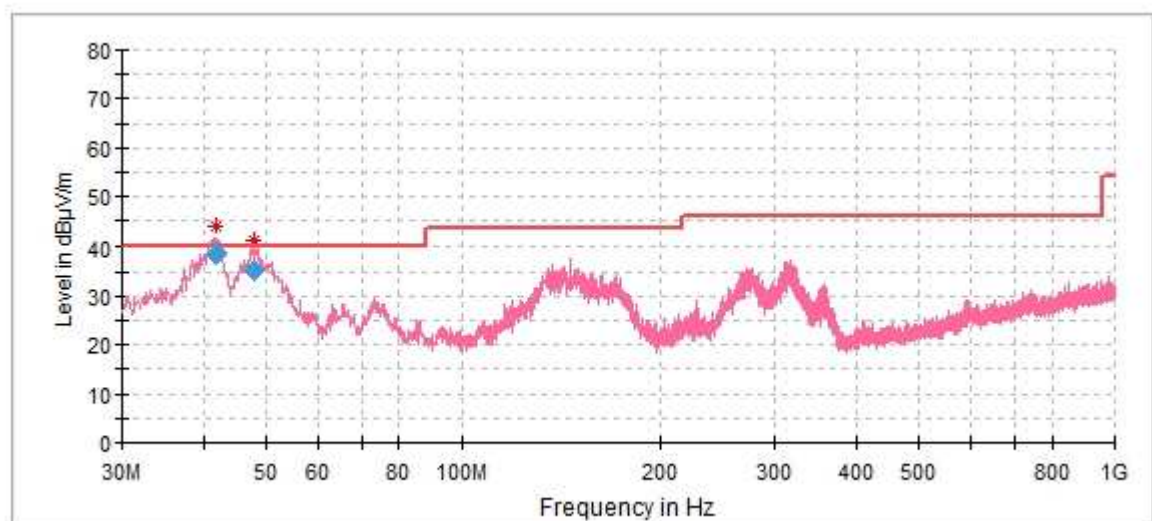
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
135.476000	43.21	43.50	3.28	300.0	H	12.0	20
304.490000	42.43	46.00	4.52	100.0	H	301.0	21

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)
135.476000	37.39	43.50	6.11	1000.0	120.000	300.0	H	12.0	20
304.490000	18.28	46.00	27.72	1000.0	120.000	100.0	H	301.0	21

EUT Information

EUT Name:	Sonix Bluetooth Speaker
Model	SNX-TE-003
Order No:	168286270 90
Test Mode:	Charging and BT playing mode
Test Voltage:	AC 120V, 60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.814000	43.97	40.00	-1.62	100.0	V	165.0	20
47.714000	41.03	40.00	-0.41	121.0	V	145.0	21

Final Result

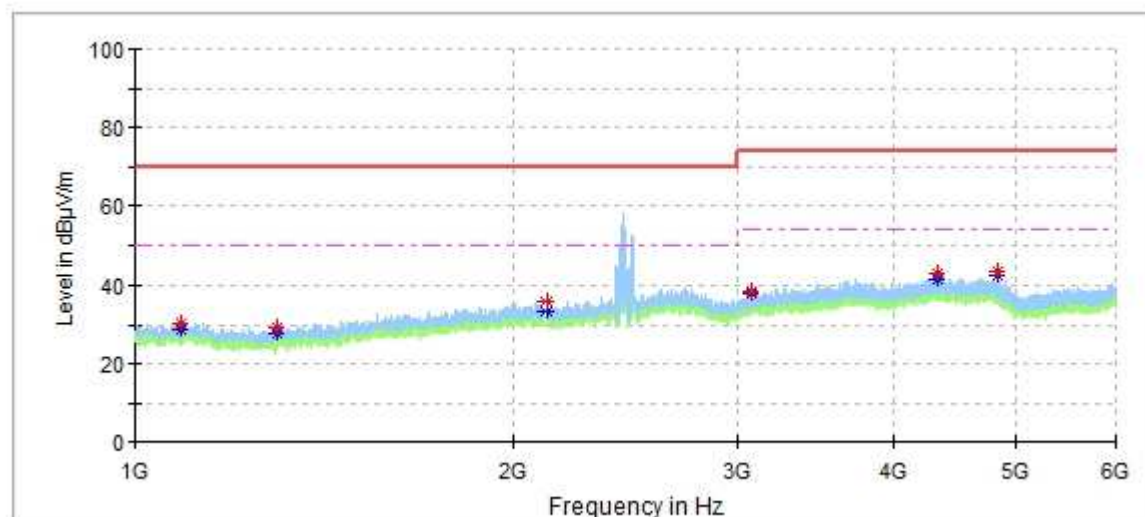
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.814000	38.76	40.00	1.24	1000.0	120.000	100.0	V	165.0	20
47.714000	35.20	40.00	4.80	1000.0	120.000	121.0	V	145.0	21

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

Charging and BT playing mode

EUT Information

EUT Name:	Sonix Bluetooth Speaker
Model	SNX-TE-003
Order No:	168286270 90
Test Mode:	Charging and BT playing mode
Test Voltage:	AC 120V, 60Hz
Test By:	Jianhua Lu
Review By:	Gary Chen
Remark:	3m Chamber



Critical Freqs

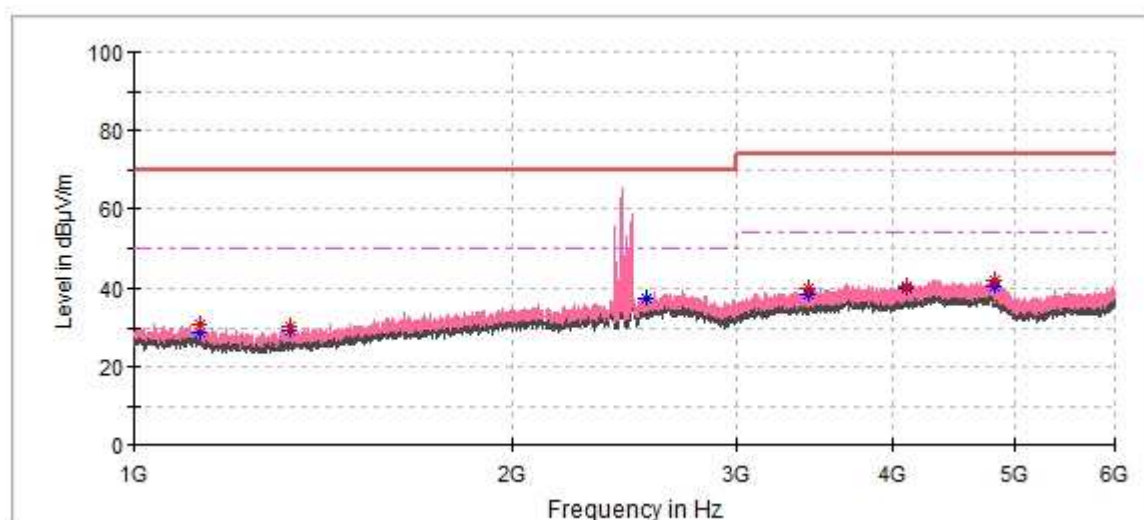
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1087.500000	---	28.77	50.00	21.23	200.0	H	169.0	-13
1087.500000	30.12	---	70.00	39.88	200.0	H	169.0	-13
1298.000000	---	27.49	50.00	22.51	100.0	H	107.0	-14
1298.000000	29.38	---	70.00	40.62	100.0	H	107.0	-14
2123.000000	---	33.15	50.00	16.85	200.0	H	125.0	-7
2123.000000	35.97	---	70.00	34.03	200.0	H	125.0	-7
3082.000000	---	37.86	54.00	16.14	100.0	H	120.0	-3
3082.000000	38.70	---	74.00	35.30	100.0	H	120.0	-3
4330.500000	---	41.49	54.00	12.51	200.0	H	80.0	2
4330.500000	43.03	---	74.00	30.97	200.0	H	80.0	2
4825.500000	---	42.81	54.00	11.19	200.0	H	204.0	2
4825.500000	43.65	---	74.00	30.35	200.0	H	204.0	2

Final Result

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

EUT Name:	Sonix Bluetooth Speaker
Model	SNX-TE-003
Order No:	168286270 90
Test Mode:	Charging and BT playing mode
Test Voltage:	AC 120V, 60Hz
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)
1130.000000	---	28.69	50.00	21.31	200.0	V	114.0	-13
1130.500000	30.79	---	70.00	39.21	200.0	V	114.0	-13
1332.500000	30.02	---	70.00	39.98	200.0	V	3.0	-13
1332.500000	---	29.02	50.00	20.98	200.0	V	3.0	-13
2544.500000	---	37.57	50.00	12.43	200.0	V	61.0	-4
3419.500000	---	38.57	54.00	15.43	200.0	V	356.0	-1
3419.500000	39.78	---	74.00	34.22	200.0	V	356.0	-1
4101.000000	---	39.90	54.00	14.10	100.0	V	265.0	1
4101.000000	40.67	---	74.00	33.33	100.0	V	265.0	1
4809.500000	---	40.74	54.00	13.26	100.0	V	323.0	2
4809.500000	41.82	---	74.00	32.18	100.0	V	323.0	2

Final Result

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