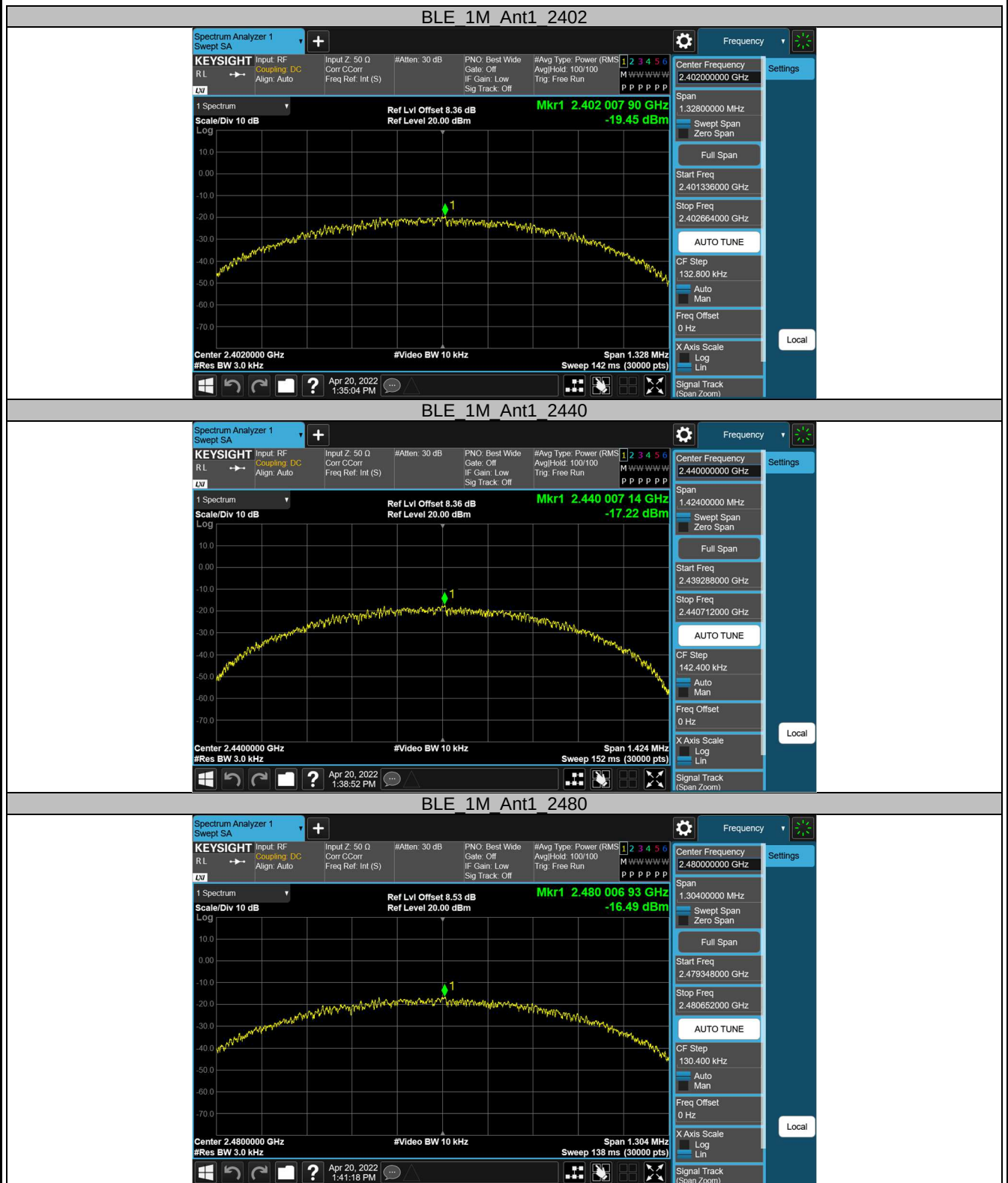


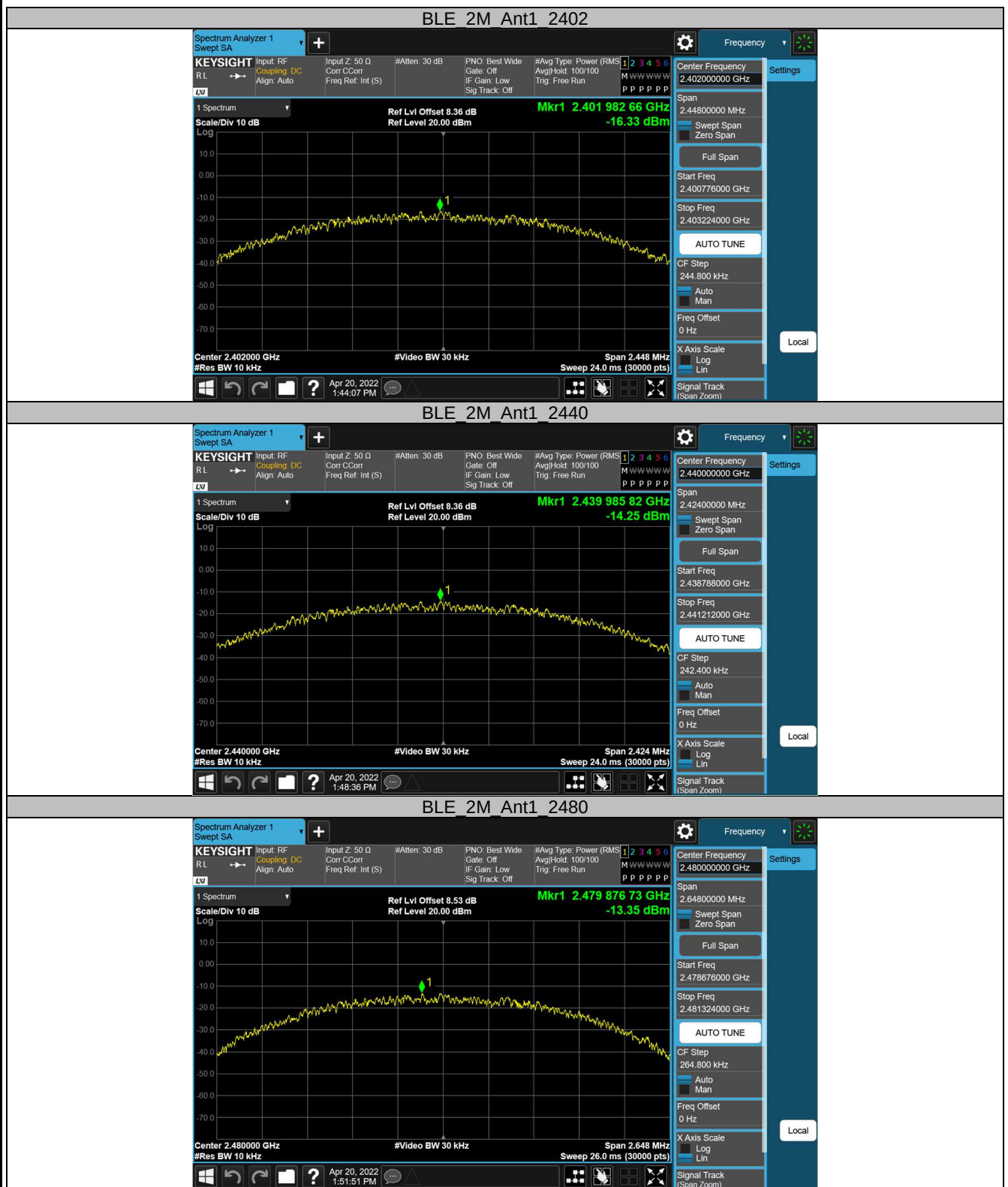
Appendix C: Test Results of Bluetooth Low Energy

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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	-19.45	≤8.00	PASS
		2440	-17.22	≤8.00	PASS
		2480	-16.49	≤8.00	PASS
BLE_2M	Ant1	2402	-16.33	≤8.00	PASS
		2440	-14.25	≤8.00	PASS
		2480	-13.35	≤8.00	PASS





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	0.664	2401.652	2402.316	0.5	PASS
		2440	0.712	2439.628	2440.340	0.5	PASS
		2480	0.652	2479.668	2480.320	0.5	PASS
BLE_2M	Ant1	2402	1.224	2401.344	2402.568	0.5	PASS
		2440	1.212	2439.352	2440.564	0.5	PASS
		2480	1.324	2479.332	2480.656	0.5	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



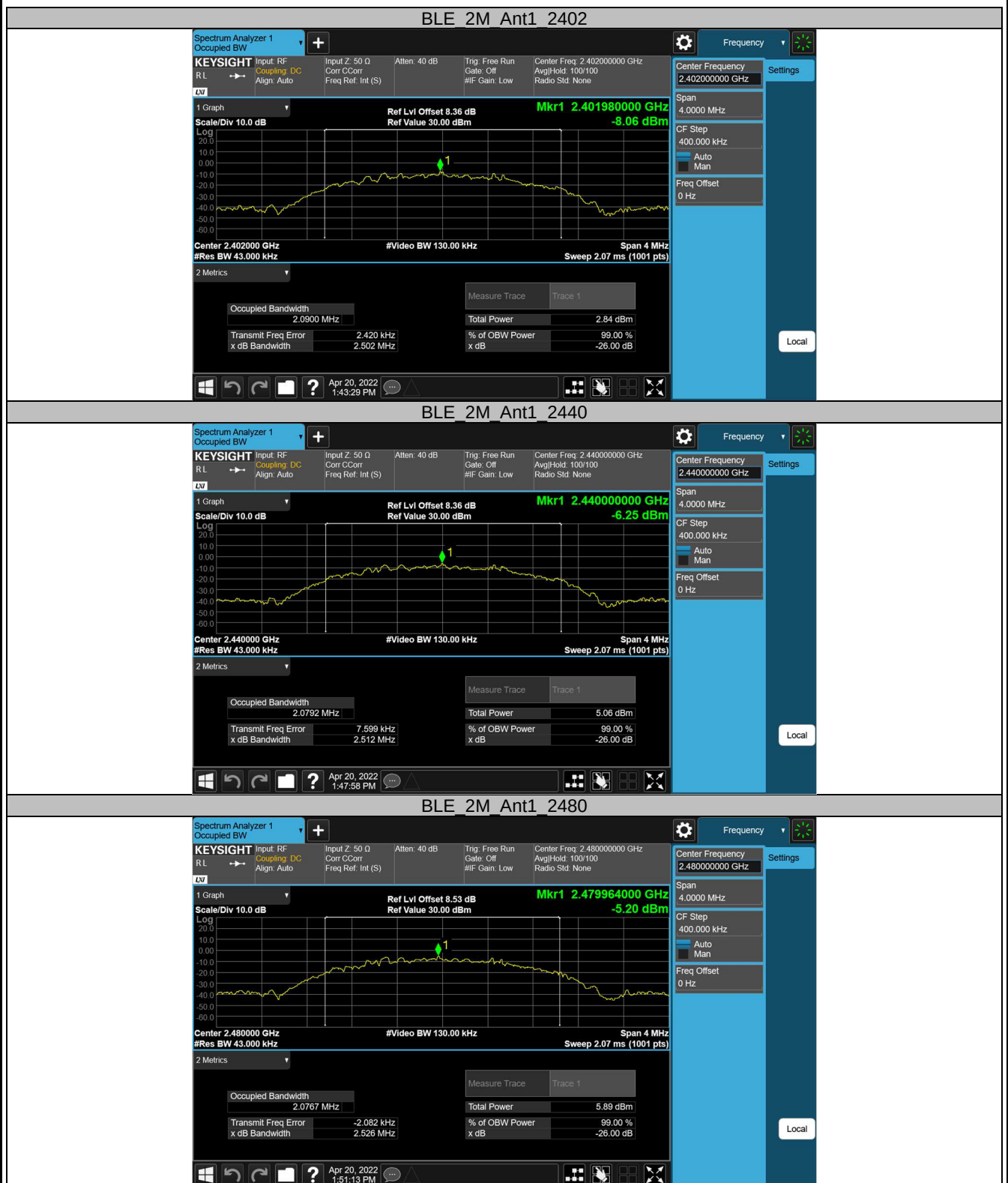
BLE 2M Ant1 2480



Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0369	2401.471	2402.508
		2440	1.0317	2439.474	2440.506
		2480	1.0341	2479.470	2480.504
BLE_2M	Ant1	2402	2.0900	2400.957	2403.047
		2440	2.0792	2438.968	2441.047
		2480	2.0767	2478.960	2481.036





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

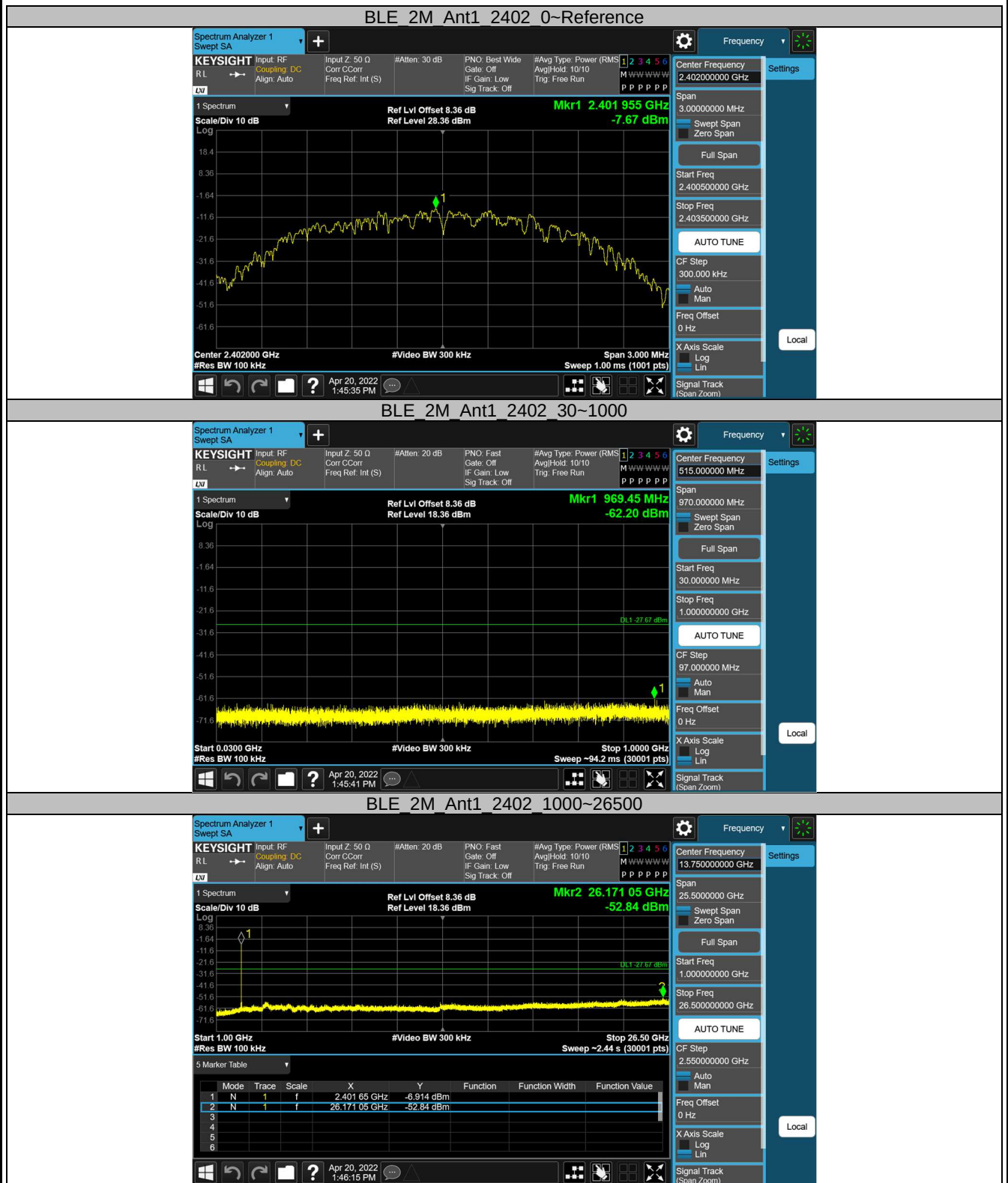
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-63.24	≤-23.63	PASS
			1000~26500	-3.63	-52.71	≤-23.63	PASS
		2440	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-62.95	≤-23.38	PASS
			1000~26500	-3.38	-52.64	≤-23.38	PASS
		2480	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-61.92	≤-21.82	PASS
			1000~26500	-1.82	-52.68	≤-21.82	PASS
BLE_2M	Ant1	2402	Reference	-7.67	-7.67	---	PASS
			30~1000	-7.67	-62.2	≤-27.67	PASS
			1000~26500	-7.67	-52.84	≤-27.67	PASS
		2440	Reference	-2.26	-2.26	---	PASS
			30~1000	-2.26	-62.24	≤-22.26	PASS
			1000~26500	-2.26	-53.23	≤-22.26	PASS
		2480	Reference	-1.90	-1.90	---	PASS
			30~1000	-1.90	-62.4	≤-21.9	PASS
			1000~26500	-1.90	-53.08	≤-21.9	PASS

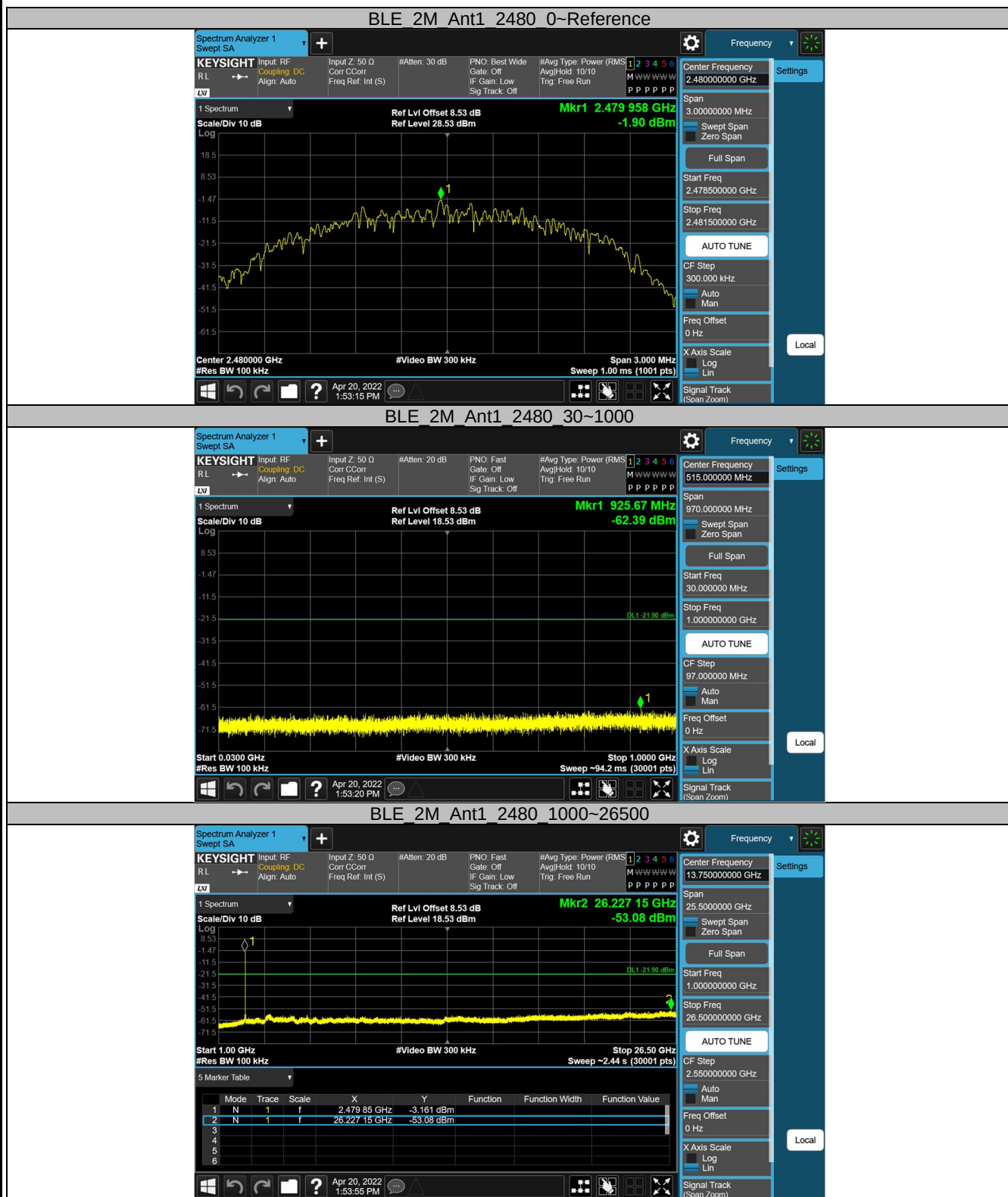






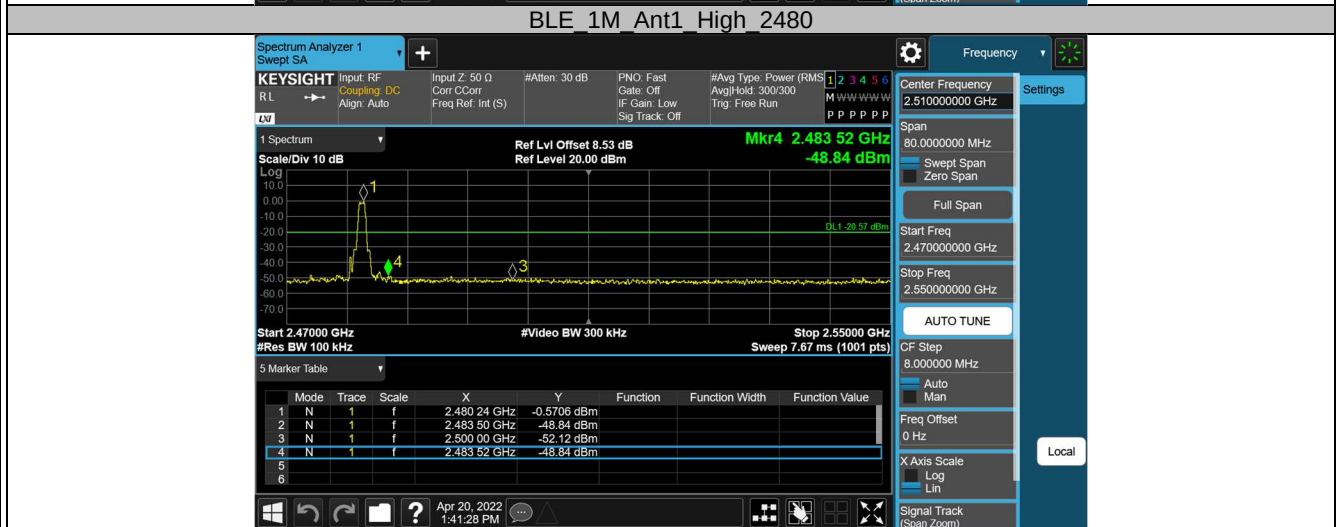
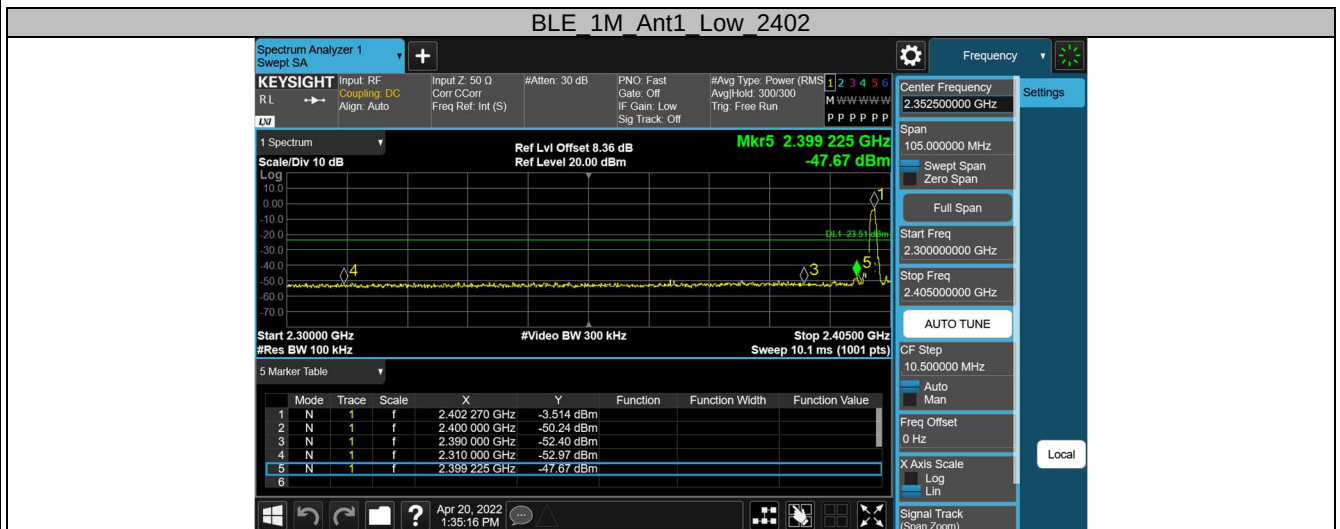




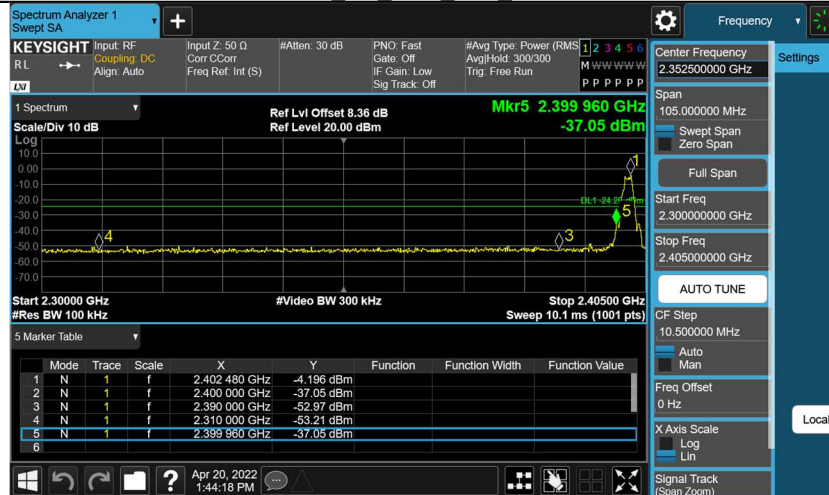


Band Edge

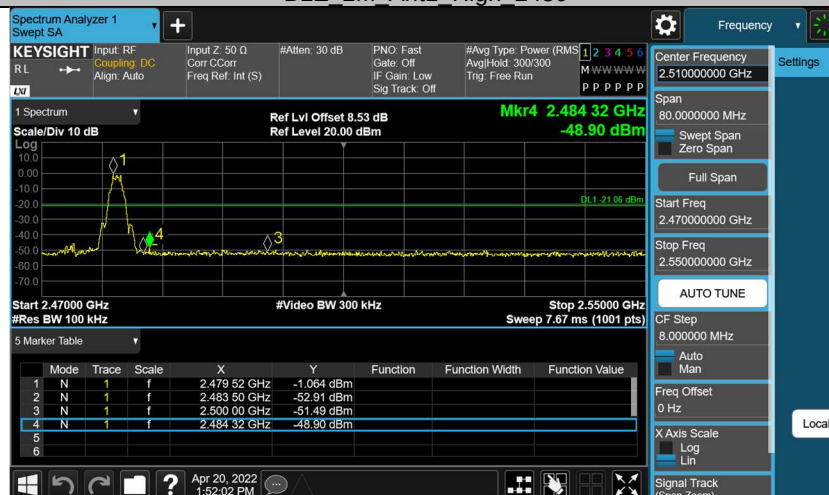
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.51	-47.67	≤-23.51	PASS
		High	2480	-0.57	-48.84	≤-20.57	PASS
BLE_2M	Ant1	Low	2402	-4.20	-37.05	≤-24.2	PASS
		High	2480	-1.06	-48.9	≤-21.06	PASS



BLE 2M Ant1 Low 2402



BLE 2M Ant1 High 2480



Appendix C.5: Test Results of Radiated Spurious Emissions

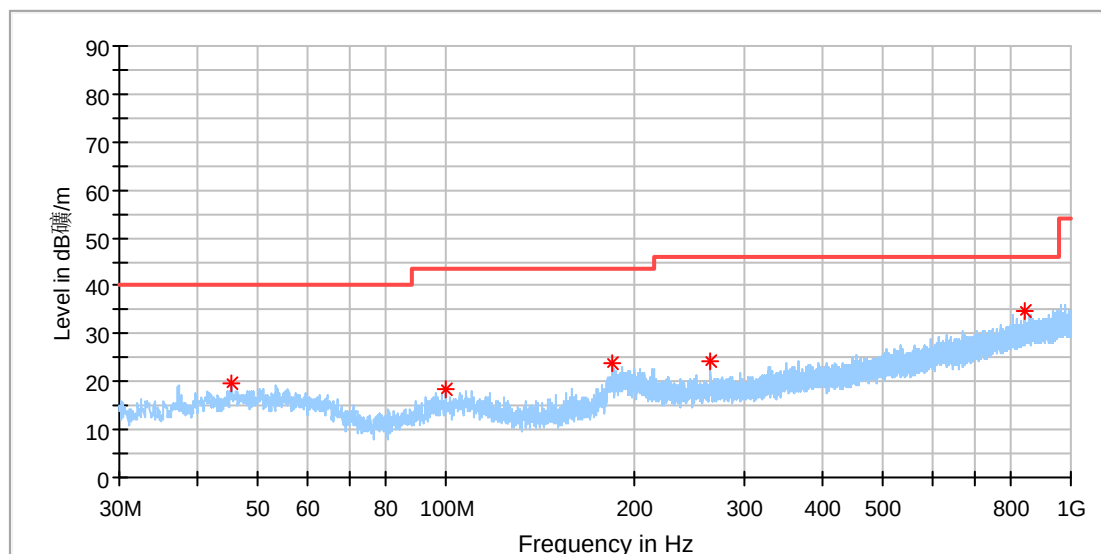
Note:

- 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:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

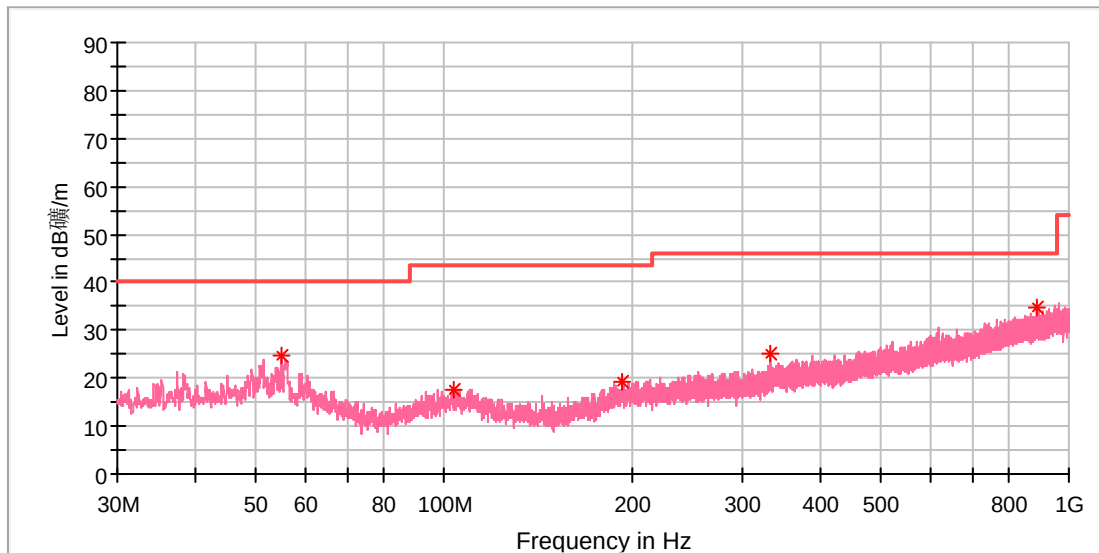


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.423000	19.68	40.00	20.32	100.0	H	0.0	-18.8
100.131000	18.50	43.50	25.00	100.0	H	64.0	-19.0
185.006000	23.97	43.50	19.53	100.0	H	268.0	-20.0
265.710000	24.32	46.00	21.68	100.0	H	113.0	-17.0
846.449000	34.77	46.00	11.23	100.0	H	38.0	-5.6

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

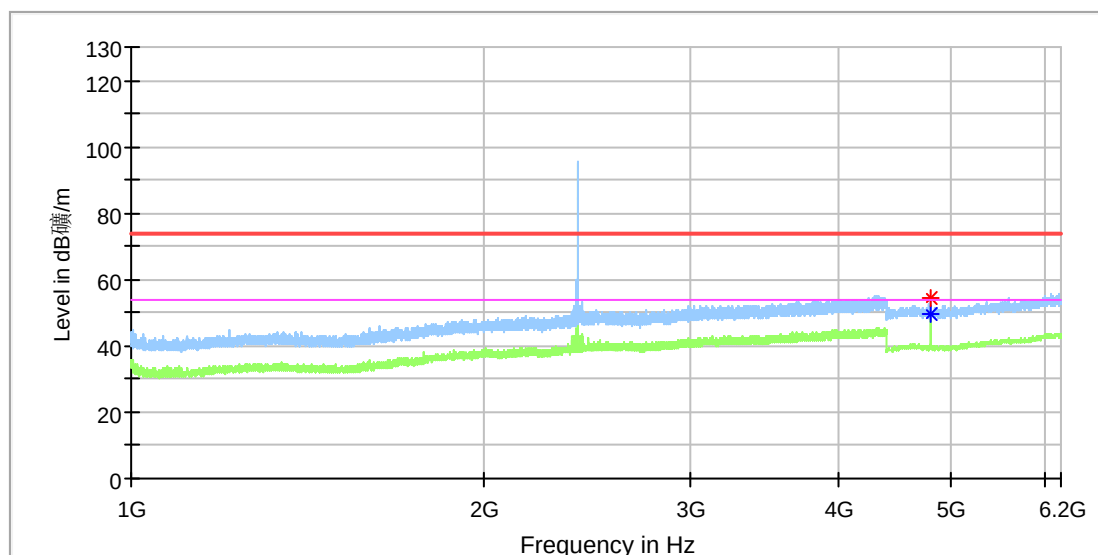
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.832000	24.63	40.00	15.37	100.0	V	50.0	-18.4
103.962500	17.79	43.50	25.71	100.0	V	177.0	-18.8
192.960000	19.34	43.50	24.16	100.0	V	206.0	-19.3
332.979500	24.95	46.00	21.05	100.0	V	0.0	-15.3
886.898000	34.77	46.00	11.23	100.0	V	0.0	-5.1

1GHz-18GHz

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

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

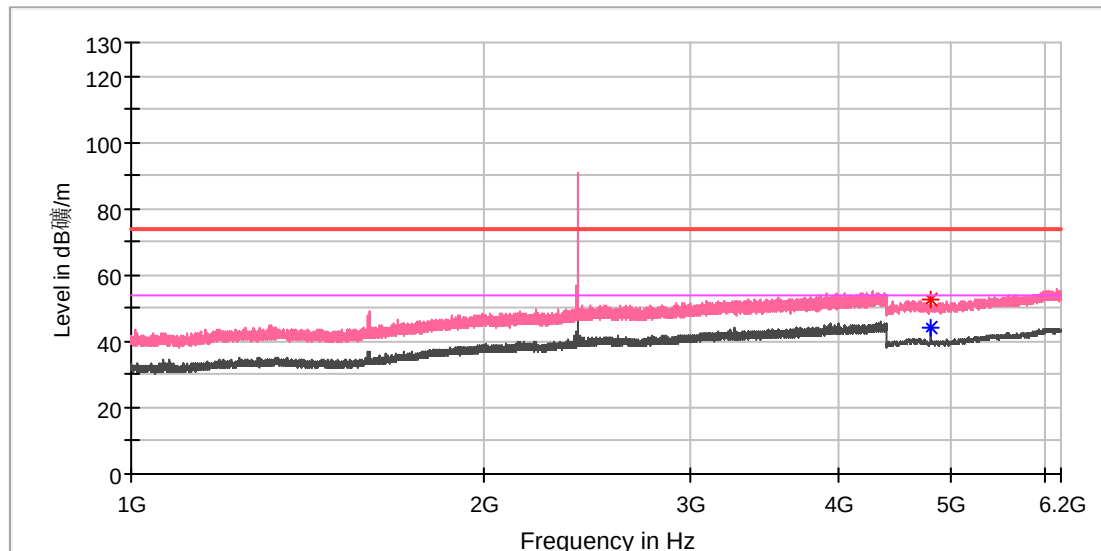


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4800.500000	54.66	---	74.00	19.34	100.0	H	355.0	11.8
4801.000000	---	49.71	54.00	4.29	100.0	H	355.0	11.8

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_Low channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

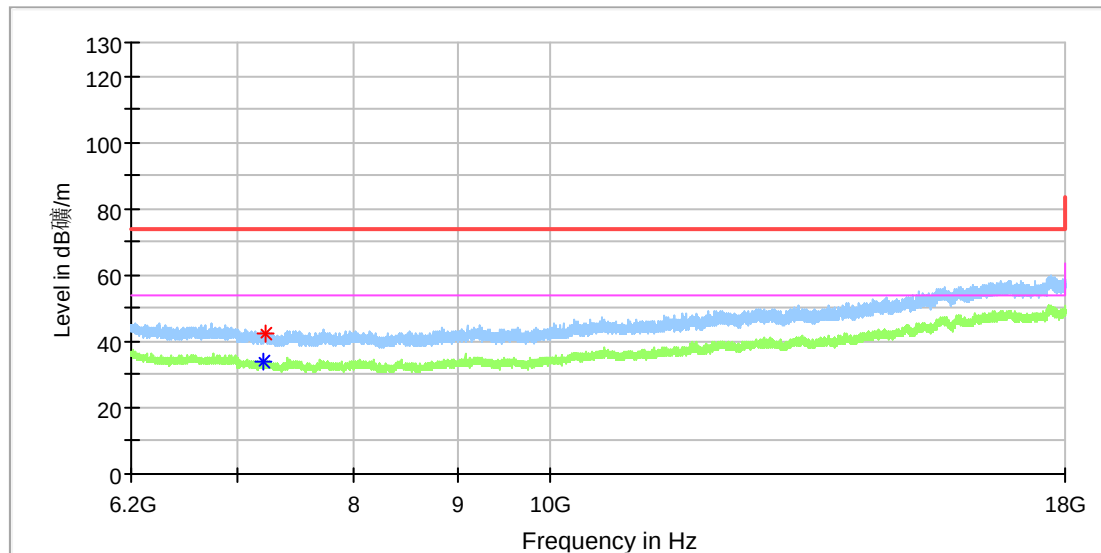


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	---	43.93	54.00	10.07	100.0	V	88.0	11.8
4807.500000	52.86	---	74.00	21.14	100.0	V	0.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

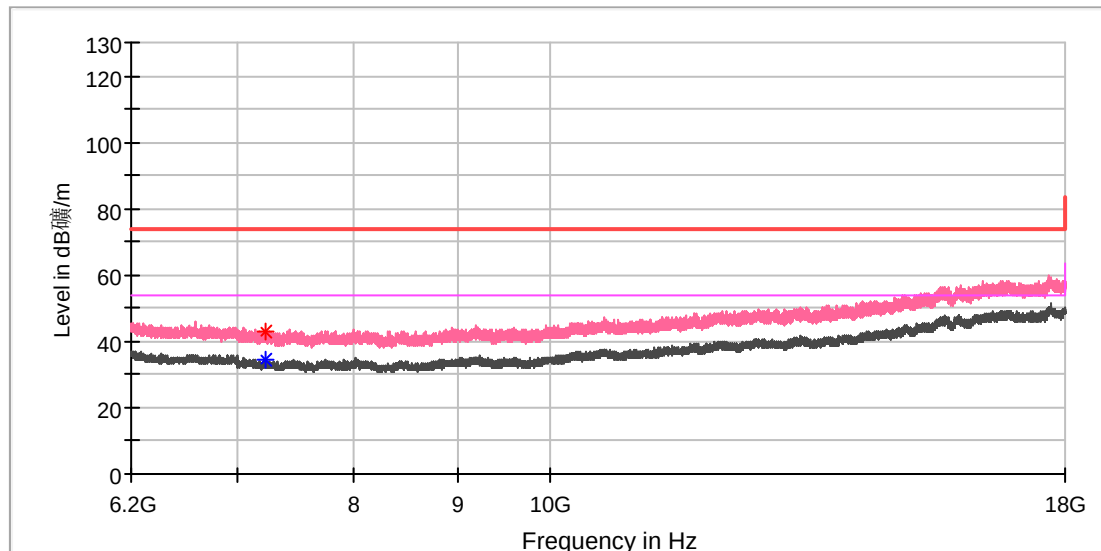


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.491667	---	33.61	54.00	20.39	100.0	H	52.0	8.8
7223.158333	42.54	---	74.00	31.46	100.0	H	139.0	8.7

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

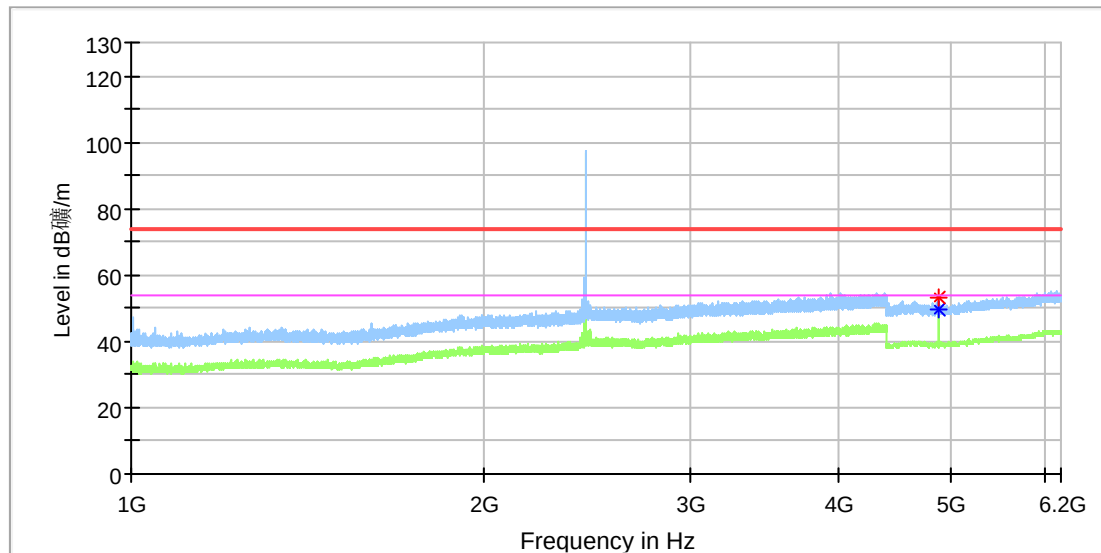


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7226.600000	---	34.39	54.00	19.61	100.0	V	244.0	8.7
7229.550000	43.12	---	74.00	30.88	100.0	V	343.0	8.6

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

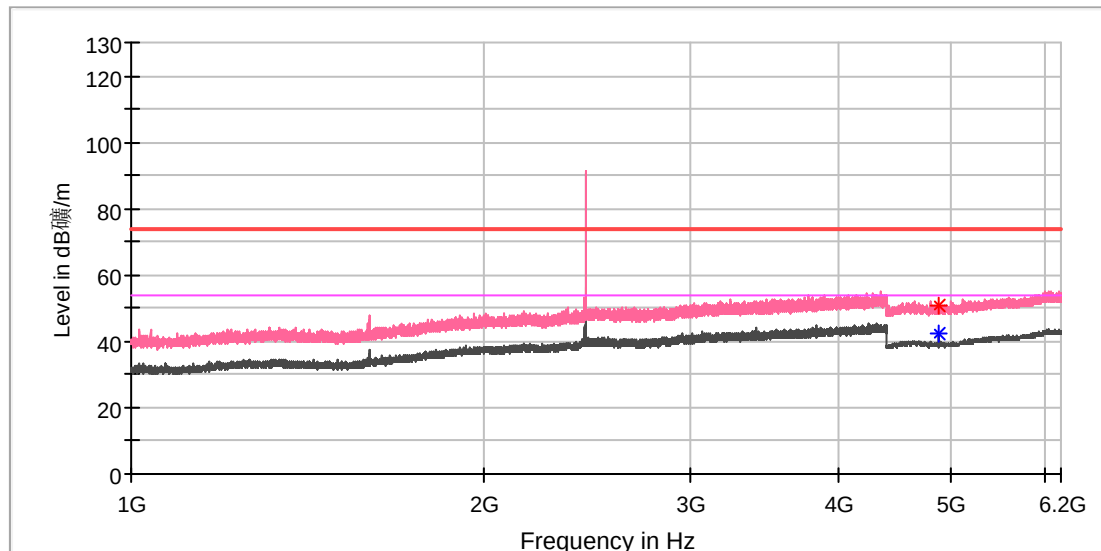


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4877.000000	53.12	---	74.00	20.88	100.0	H	279.0	11.8
4877.000000	---	49.37	54.00	4.63	100.0	H	279.0	11.8

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

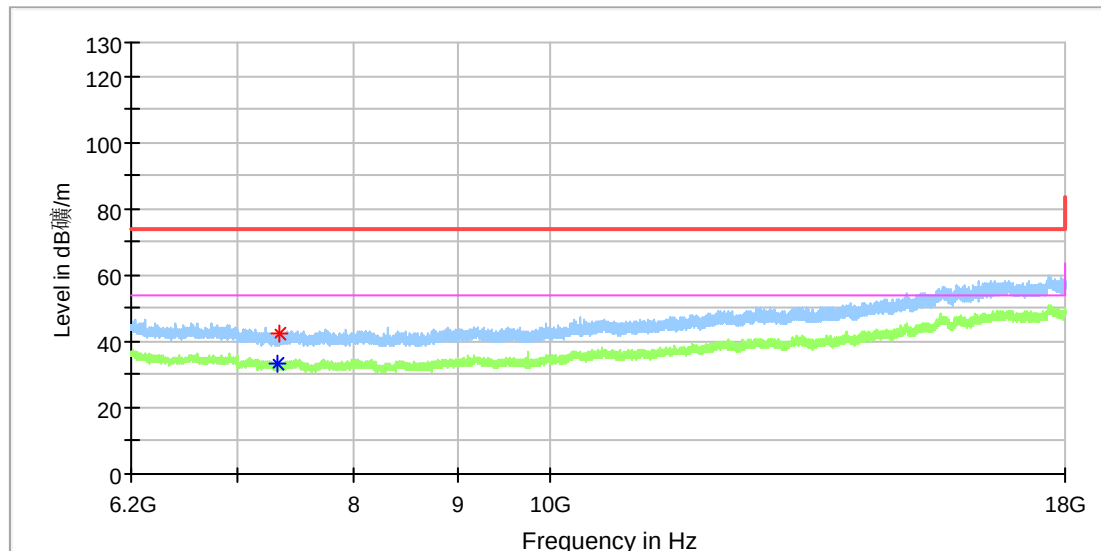


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	50.90	---	74.00	23.10	100.0	V	256.0	11.8
4876.500000	---	42.62	54.00	11.38	100.0	V	242.0	11.8

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

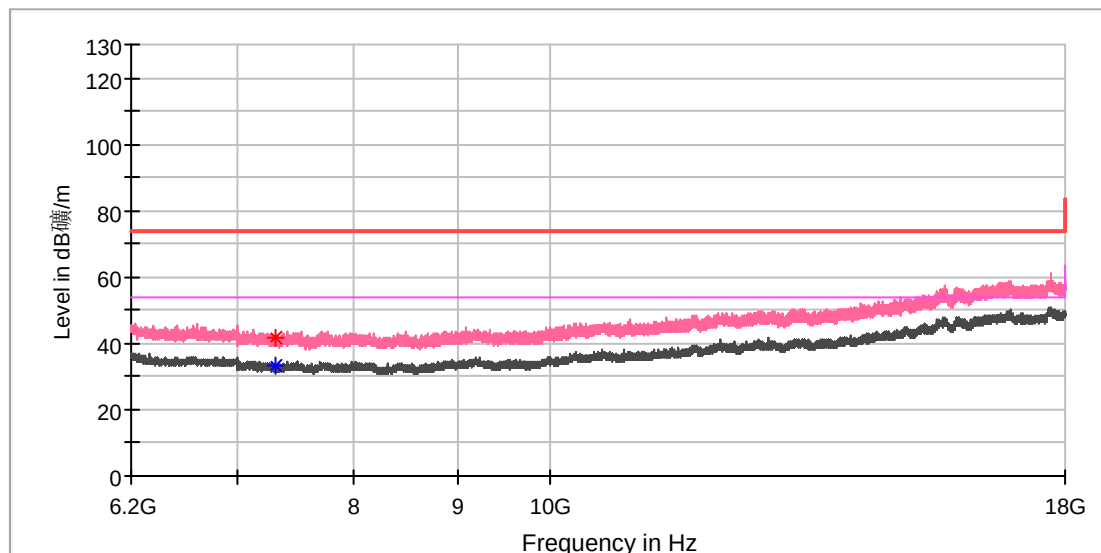


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7327.391667	---	33.51	54.00	20.49	100.0	H	126.0	8.1
7351.483333	42.06	---	74.00	31.94	100.0	H	237.0	8.1

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

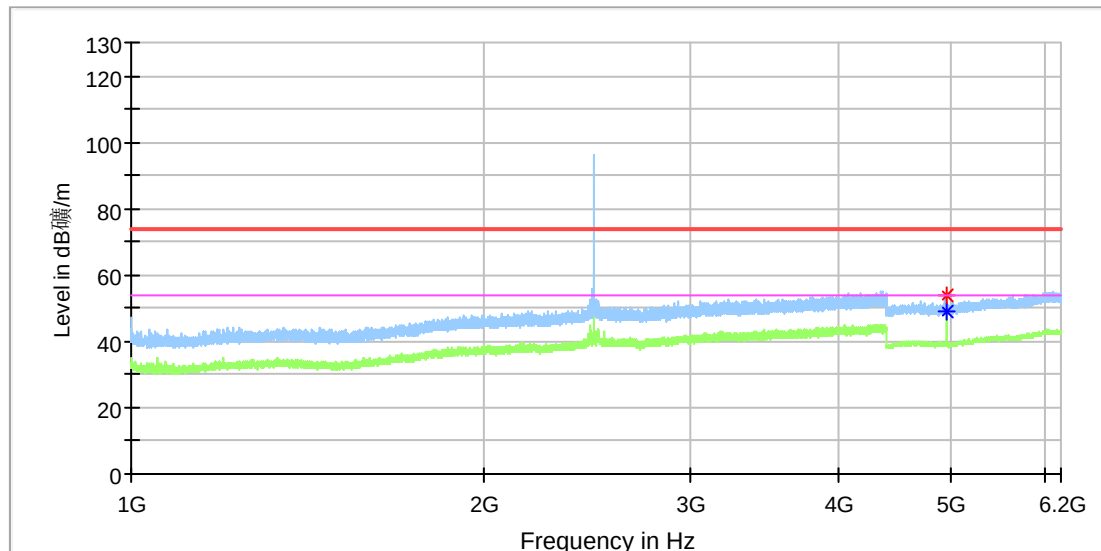


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7301.825000	41.51	---	74.00	32.49	100.0	V	45.0	8.3
7314.608333	---	33.33	54.00	20.67	100.0	V	1.0	8.2

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_High channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

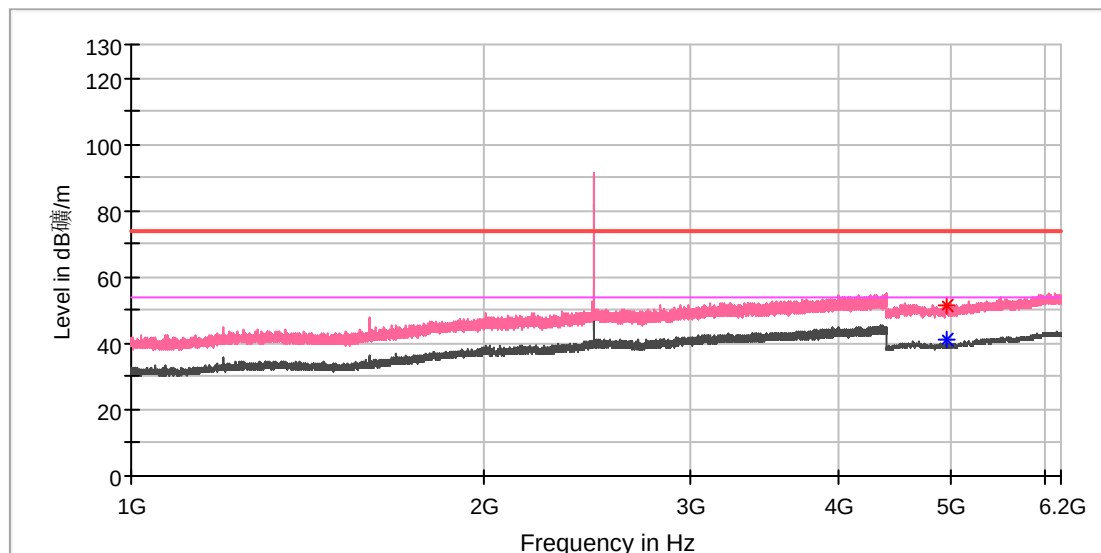


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4957.000000	53.57	---	74.00	20.43	100.0	H	19.0	11.8
4957.000000	---	48.73	54.00	5.27	100.0	H	19.0	11.8

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_High channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

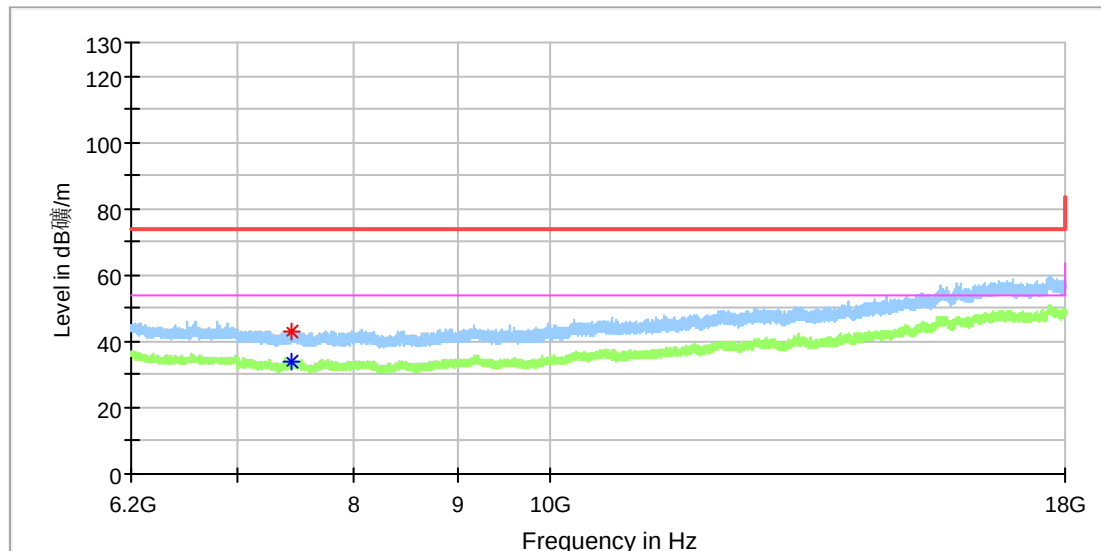


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4952.000000	51.23	---	74.00	22.77	100.0	V	114.0	11.8
4956.500000	---	41.36	54.00	12.64	100.0	V	206.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

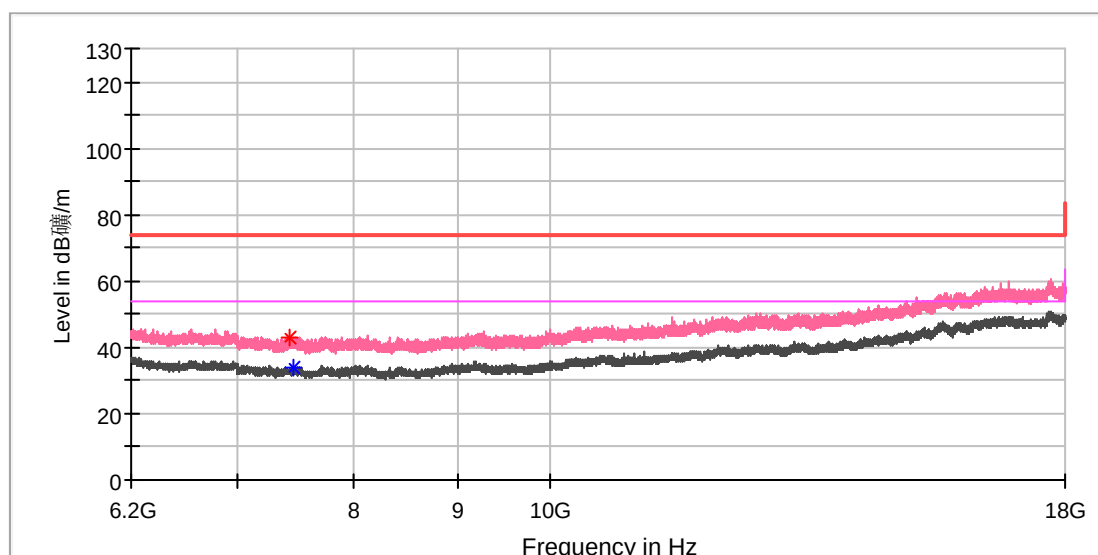


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.000000	---	33.83	54.00	20.17	100.0	H	311.0	8.4
7449.816667	43.05	---	74.00	30.95	100.0	H	286.0	8.5

EUT Information

EUT Name: True Wireless Earbud
Model: EE6011GRNPRIFOB
Test Mode: BLE 1M_High channel
Order No/Sample No: 168366486/A003239148-008
Test Voltage: Battery
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



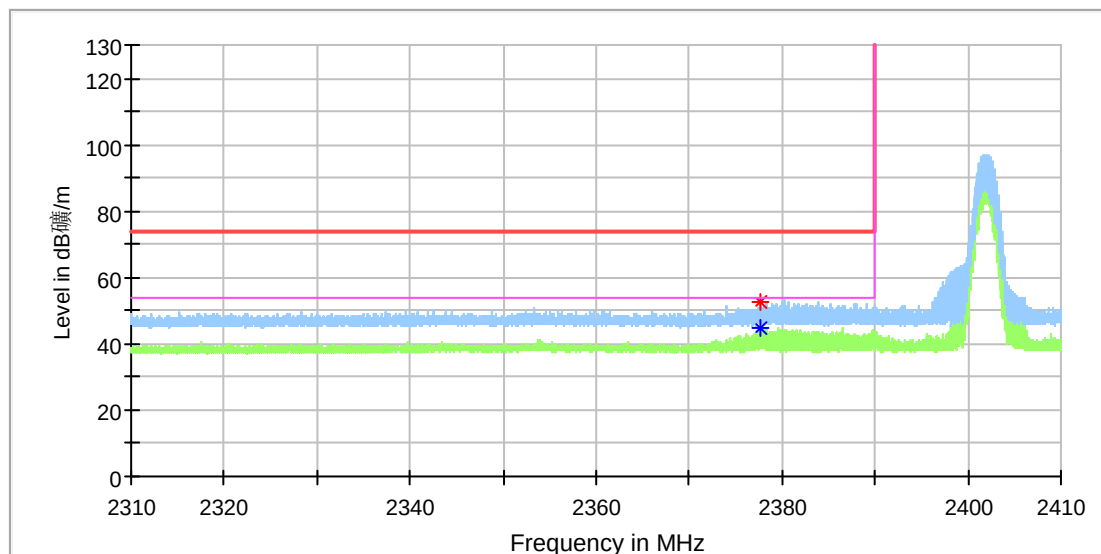
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7433.591667	43.22	---	74.00	30.78	100.0	V	44.0	8.4
7460.633333	---	33.83	54.00	20.17	100.0	V	9.0	8.5

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

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

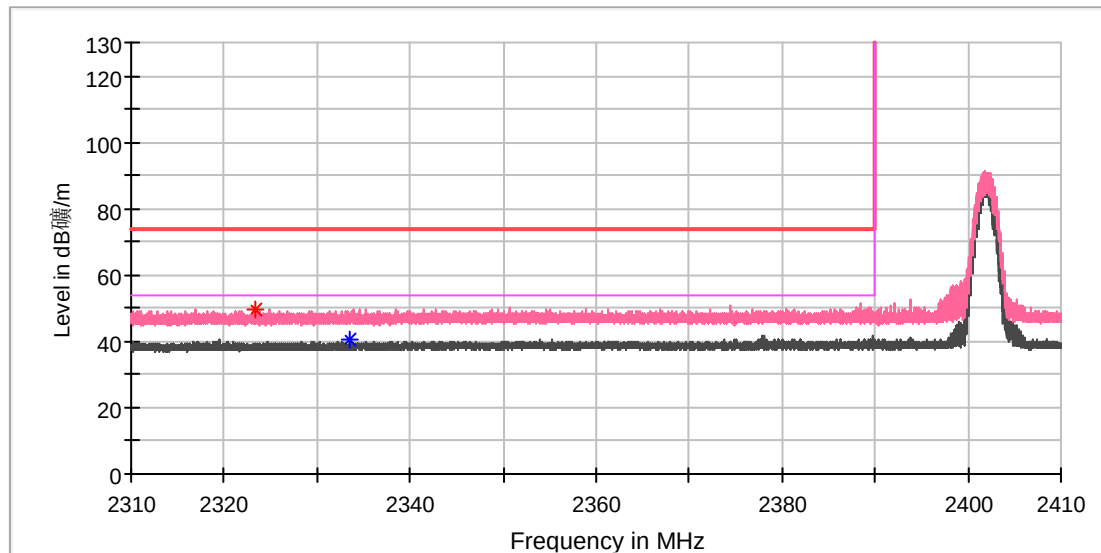


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2377.615000	---	45.03	54.00	8.97	100.0	H	249.0	6.9
2377.615000	52.82	---	74.00	21.18	100.0	H	249.0	6.9

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

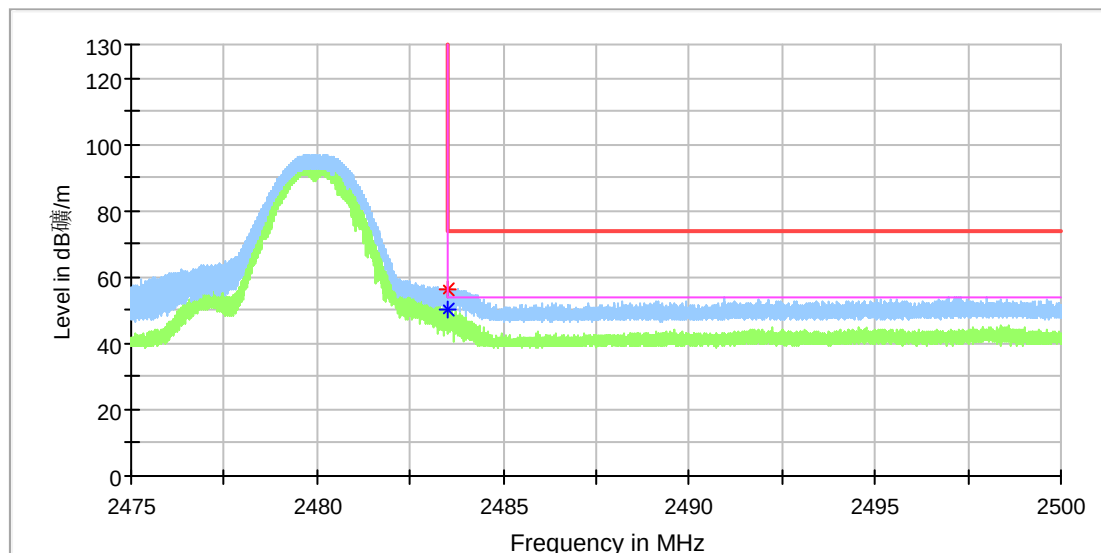


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2323.405000	49.49	---	74.00	24.51	100.0	V	261.0	6.6
2333.560000	---	40.21	54.00	13.79	100.0	V	110.0	6.7

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

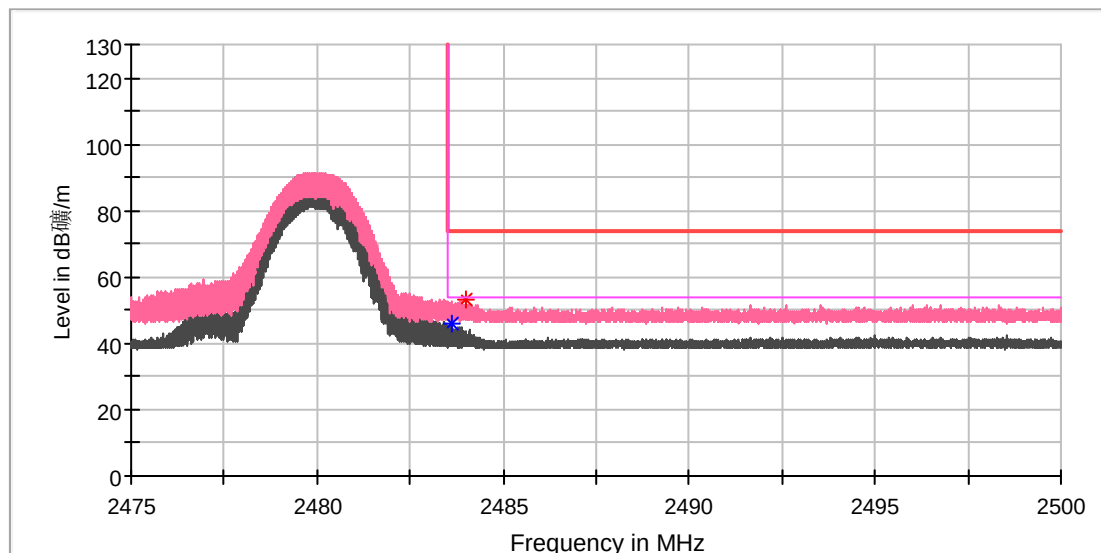


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.518750	56.48	---	74.00	17.52	100.0	H	184.0	7.4
2483.538750	---	50.08	54.00	3.92	100.0	H	291.0	7.4

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168366486/A003239148-008
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
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)
2483.598750	---	45.78	54.00	8.22	100.0	V	218.0	7.4
2484.007500	53.50	---	74.00	20.50	100.0	V	182.0	7.4