

Appendix B: Test Results of Bluetooth BR/EDR

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Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.85481	2401.550	2402.405
		2441	0.84598	2440.556	2441.402
		2480	0.85131	2479.551	2480.402
3DH5	Ant1	2402	1.1907	2401.379	2402.570
		2441	1.1979	2440.374	2441.572
		2480	1.1965	2479.375	2480.571





Appendix B.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.939	2401.523	2402.462
		2441	0.924	2440.529	2441.453
		2480	0.933	2479.526	2480.459
3DH5	Ant1	2402	1.275	2401.334	2402.609
		2441	1.269	2440.334	2441.603
		2480	1.272	2479.331	2480.603

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



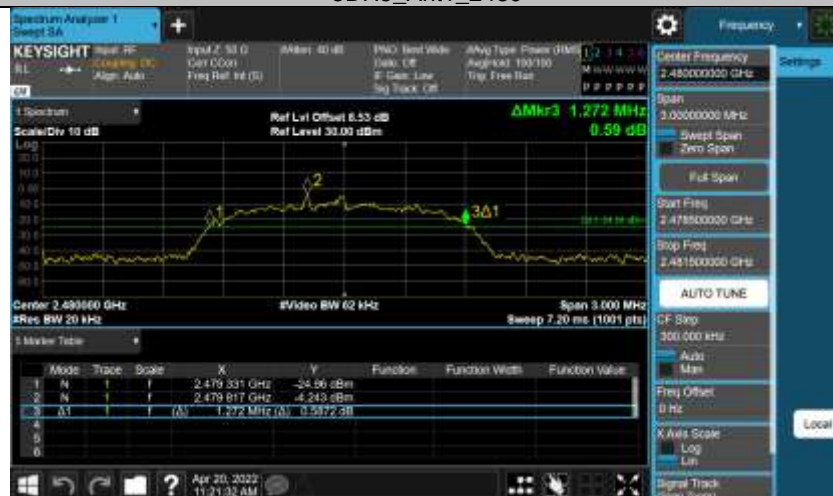
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix B.3: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥0.939	PASS
3DH5	Ant1	Hop	1.292	≥1.275	PASS

DH5_Ant1_Hop

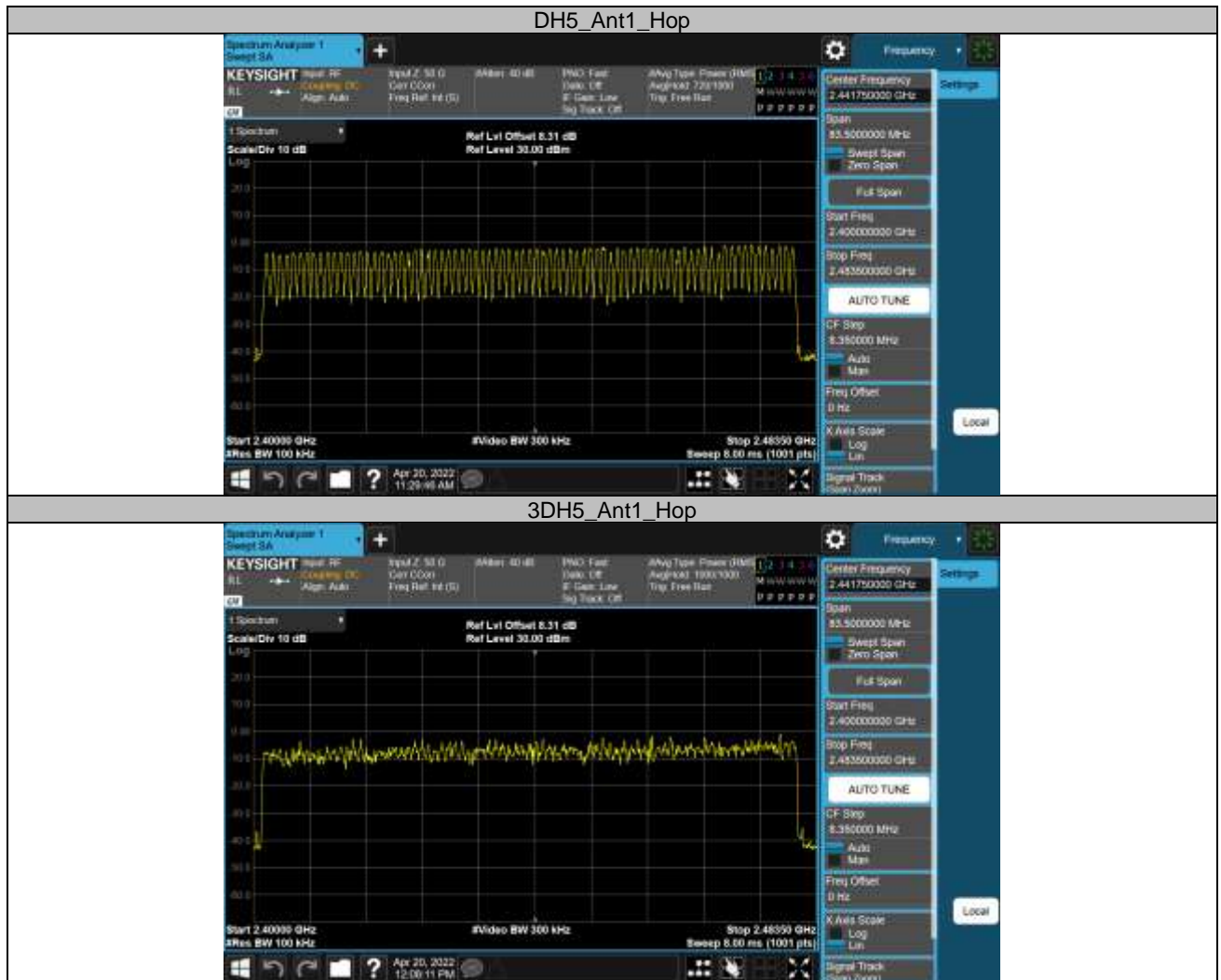


3DH5_Ant1_Hop



Appendix B.4: Test Results of Number of Hopping Frequency

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Appendix B.5: Test Results of Time of Occupancy

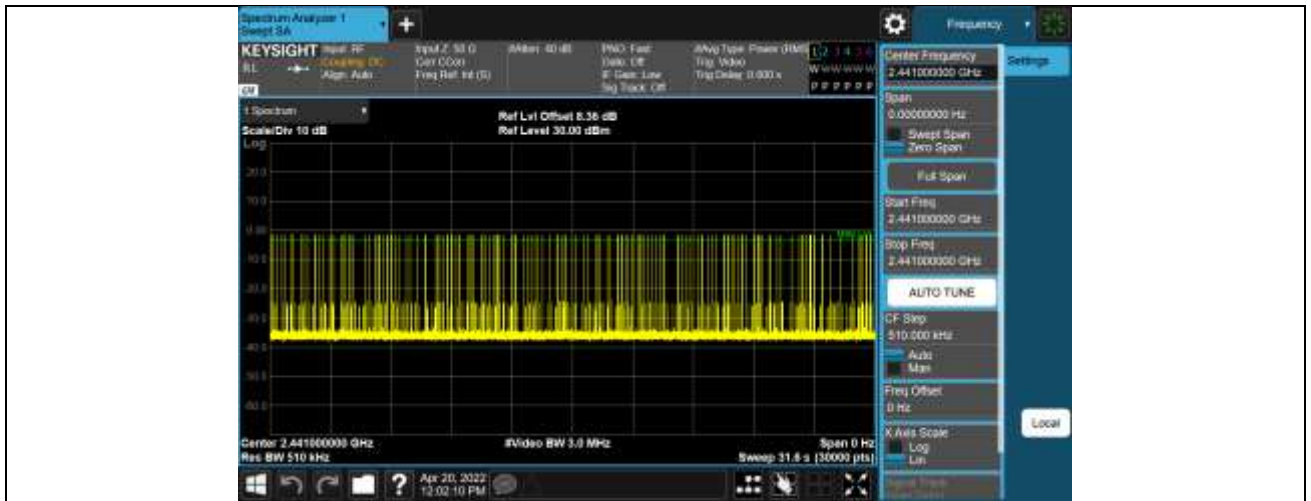
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	318	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.63	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.88	120	0.345	≤0.4	PASS
3DH1	Ant1	Hop	0.39	316	0.122	≤0.4	PASS
3DH3	Ant1	Hop	1.64	157	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.89	119	0.344	≤0.4	PASS

DH1_Ant1_Hop



DH3_Ant1_Hop





DH5_Ant1_Hop



3DH1_Ant1_Hop



3DH1_Ant1_Hop





3DH5_Ant1_Hop



Appendix B.6: 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
DH5	Ant1	2402	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-62.65	≤-23.58	PASS
			1000~26500	-3.58	-53.37	≤-23.58	PASS
		2441	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-61.7	≤-22.39	PASS
			1000~26500	-2.39	-52.63	≤-22.39	PASS
		2480	Reference	-1.36	-1.36	---	PASS
			30~1000	-1.36	-62.09	≤-21.36	PASS
			1000~26500	-1.36	-53.14	≤-21.36	PASS
3DH5	Ant1	2402	Reference	-6.95	-6.95	---	PASS
			30~1000	-6.95	-62.05	≤-26.95	PASS
			1000~26500	-6.95	-53.52	≤-26.95	PASS
		2441	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-61.87	≤-22.89	PASS
			1000~26500	-2.89	-52.61	≤-22.89	PASS
		2480	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-61.83	≤-21.19	PASS
			1000~26500	-1.19	-45.99	≤-21.19	PASS

DH5_Ant1_2402_0-Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0-Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0-Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.73	-48.14	≤-23.73	PASS
		High	2480	-0.90	-49.07	≤-20.9	PASS
		Low	Hop_2402	-3.94	-50.43	≤-23.94	PASS
		High	Hop_2480	-0.44	-50.1	≤-20.44	PASS
3DH5	Ant1	Low	2402	-4.66	-48.51	≤-24.66	PASS
		High	2480	-1.10	-50.04	≤-21.1	PASS
		Low	Hop_2402	-7.15	-50.18	≤-27.15	PASS
		High	Hop_2480	-0.82	-50.34	≤-20.82	PASS

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



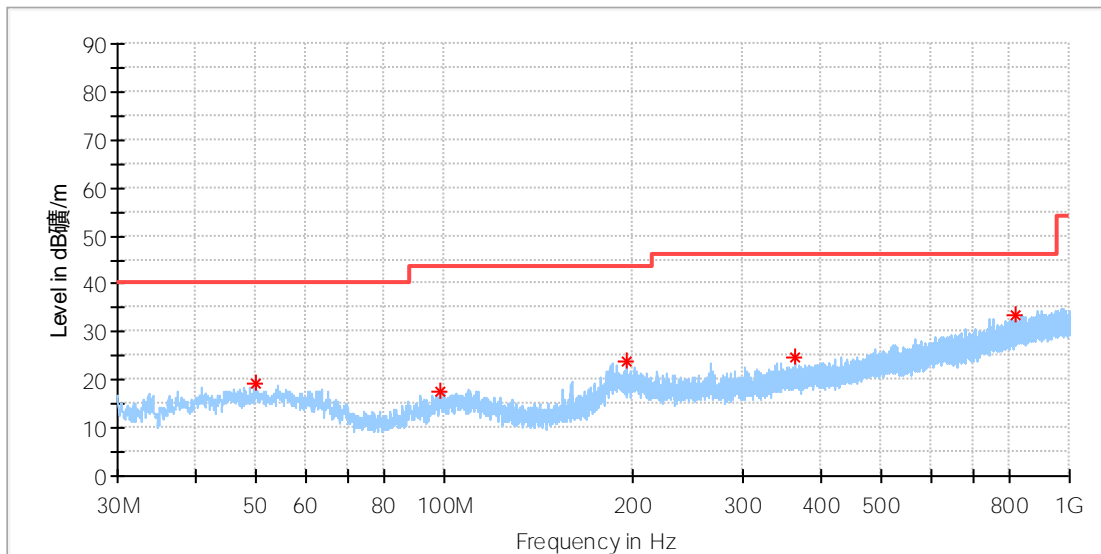
Appendix B.7: Test Results of Radiated Spurious Emissions

Note1: This testing was carried out on different modulations, but only the worst case was presented in this report.
 Note2: 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.

30MHz - 1GHz

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

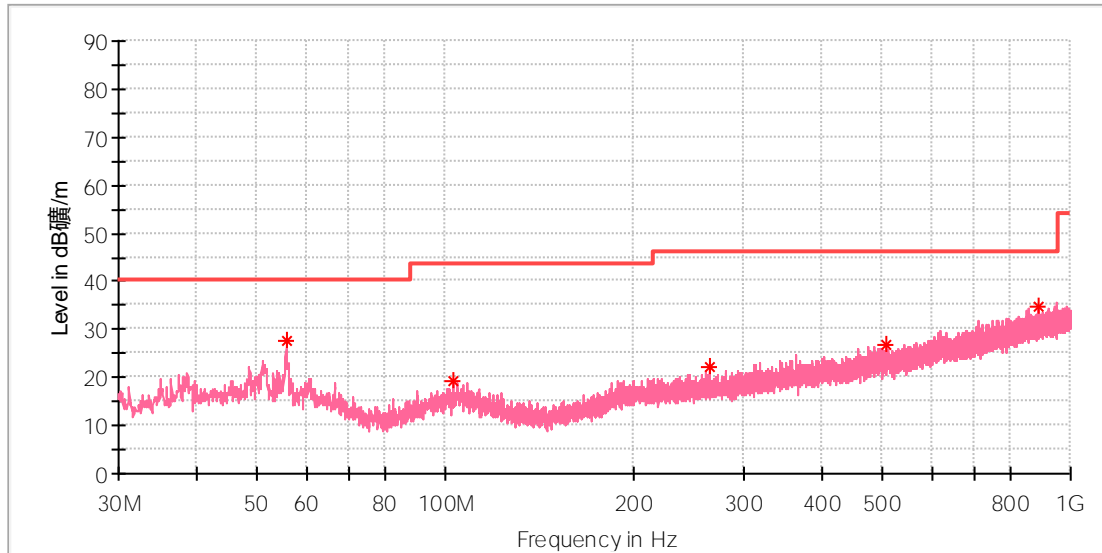


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.982000	19.32	40.00	20.68	100.0	H	297.0	-18.3
98.724500	17.49	43.50	26.01	100.0	H	264.0	-19.2
196.064000	23.67	43.50	19.83	100.0	H	279.0	-19.1
364.747000	24.77	46.00	21.23	100.0	H	27.0	-14.6
818.998000	33.38	46.00	12.62	100.0	H	195.0	-6.0

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

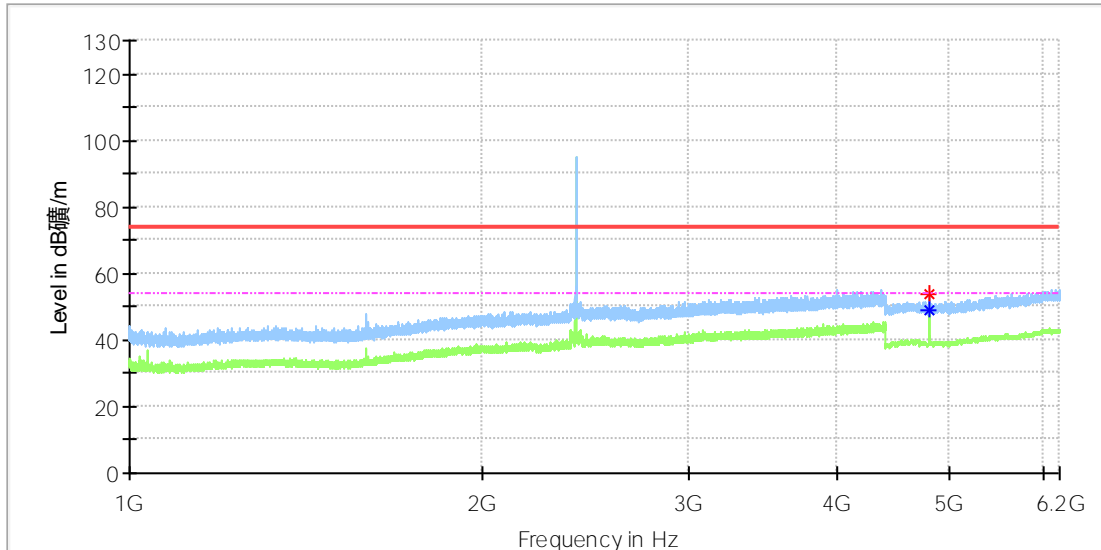
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
55.656500	27.61	40.00	12.39	100.0	V	329.0	-18.5
103.041000	19.20	43.50	24.30	100.0	V	329.0	-18.8
264.158000	22.08	46.00	23.92	100.0	V	4.0	-17.0
506.803500	26.98	46.00	19.02	100.0	V	41.0	-11.7
886.558500	34.82	46.00	11.18	100.0	V	356.0	-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:	BR_DH5_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

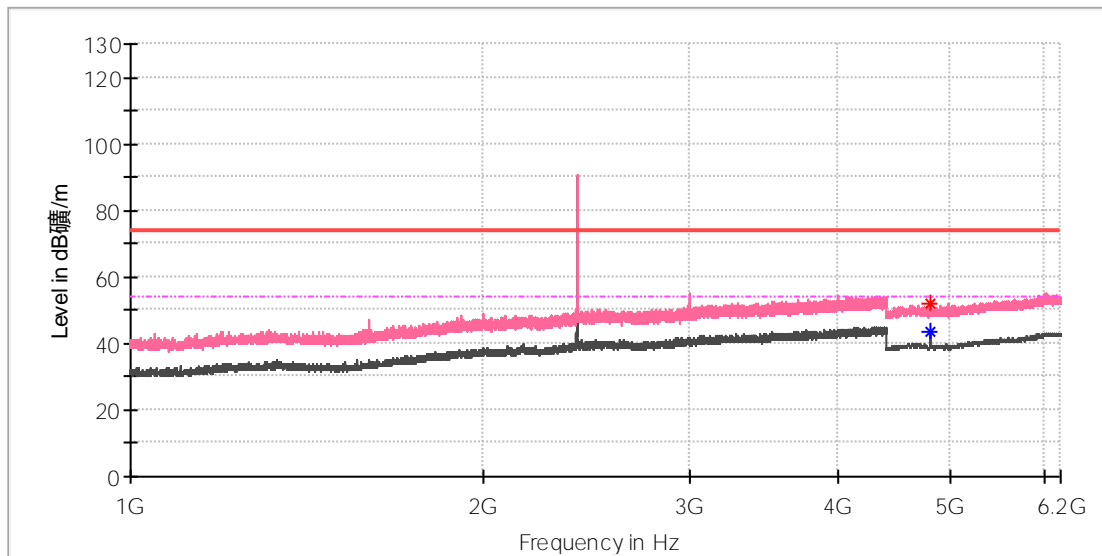


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	53.72	---	74.00	20.28	100.0	H	354.0	11.8
4801.000000	---	48.94	54.00	5.06	100.0	H	354.0	11.8

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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

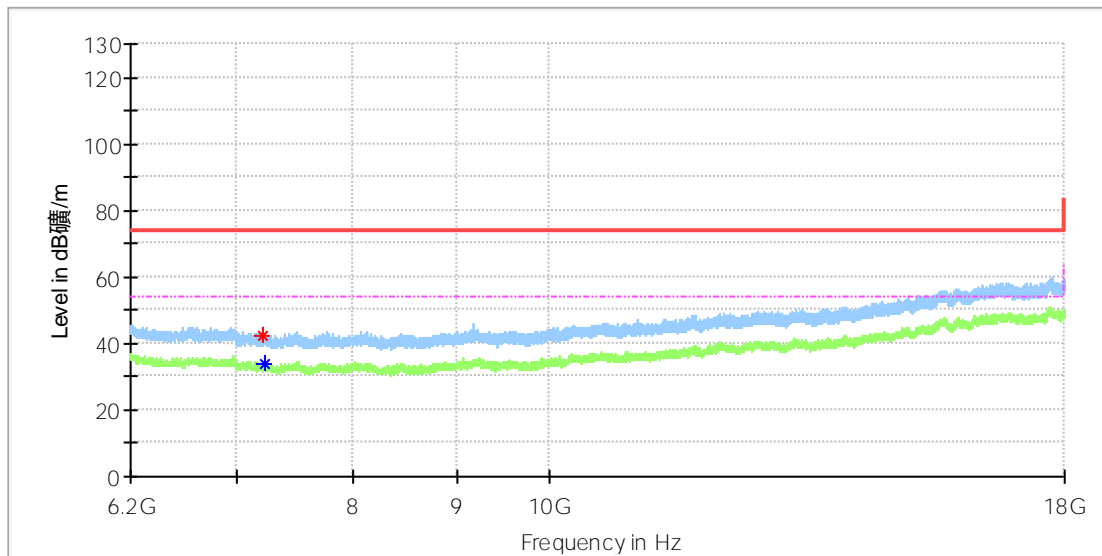


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	---	43.78	54.00	10.22	100.0	V	228.0	11.8
4801.500000	51.78	---	74.00	22.22	100.0	V	220.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

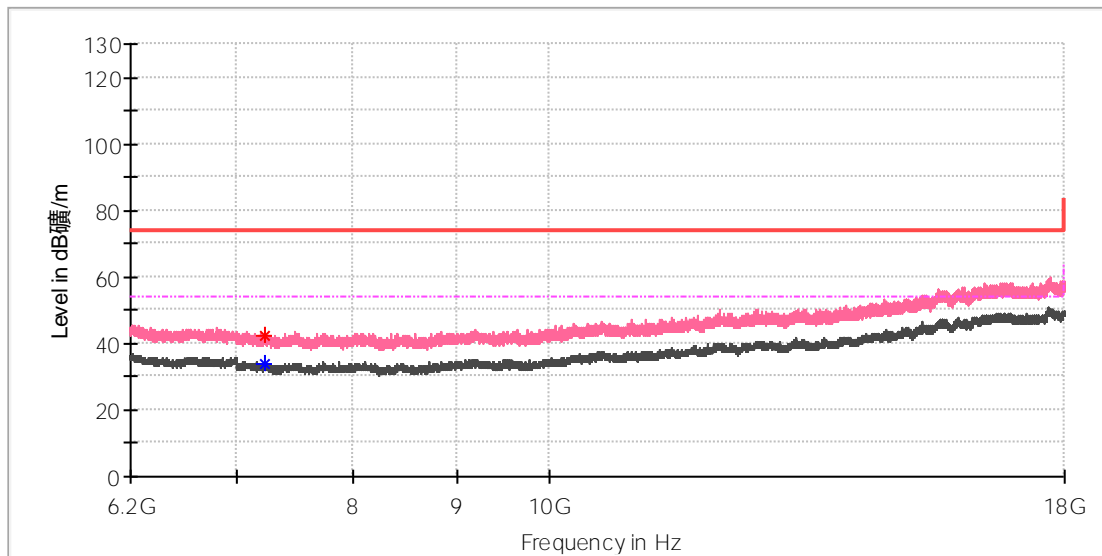


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7217.750000	42.62	---	74.00	31.38	100.0	H	66.0	8.7
7219.225000	---	33.66	54.00	20.34	100.0	H	6.0	8.7

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

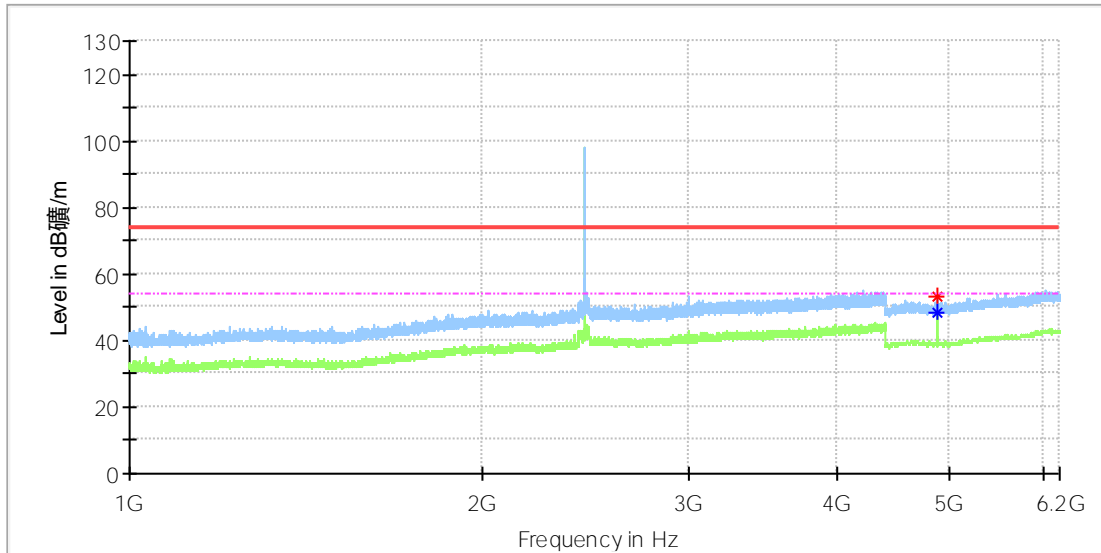


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7220.208333	---	33.97	54.00	20.03	100.0	V	333.0	8.7
7227.091667	42.20	---	74.00	31.80	100.0	V	163.0	8.7

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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

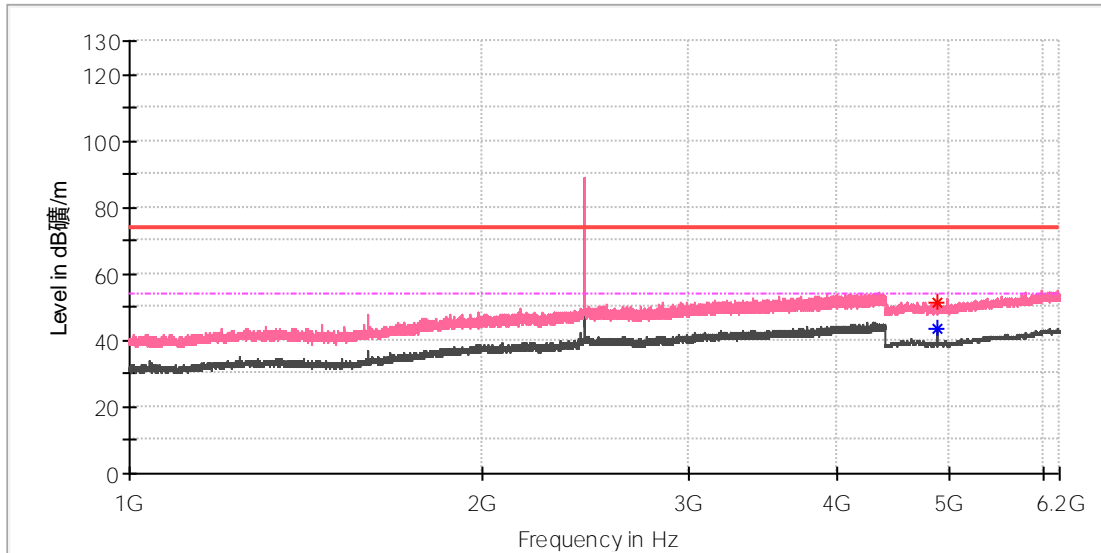


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.000000	---	48.18	54.00	5.82	100.0	H	272.0	11.8
4879.000000	53.29	---	74.00	20.71	100.0	H	272.0	11.8

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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

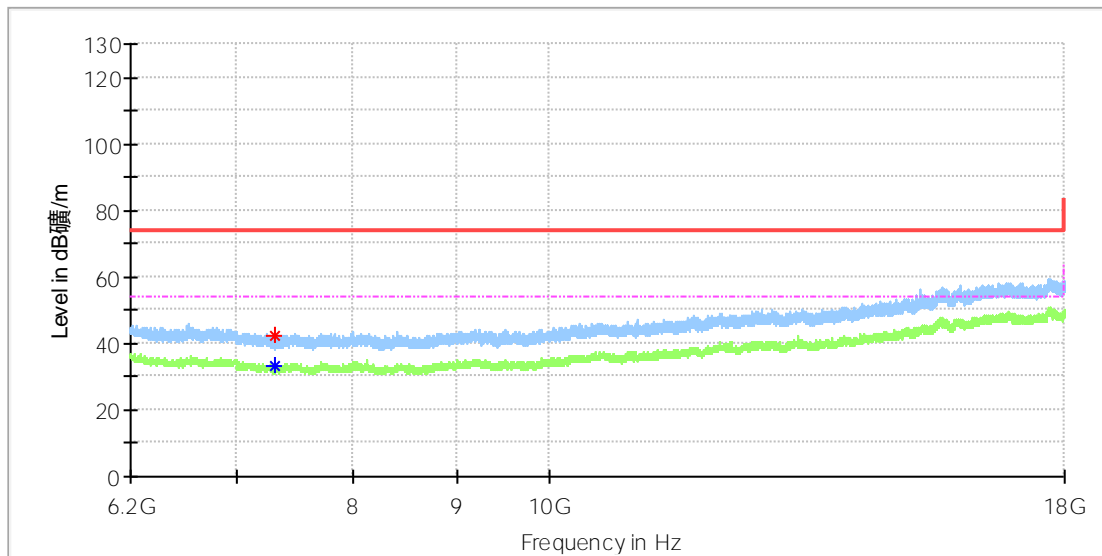


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4878.500000	51.56	---	74.00	22.44	100.0	V	228.0	11.8
4879.000000	---	43.70	54.00	10.30	100.0	V	228.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

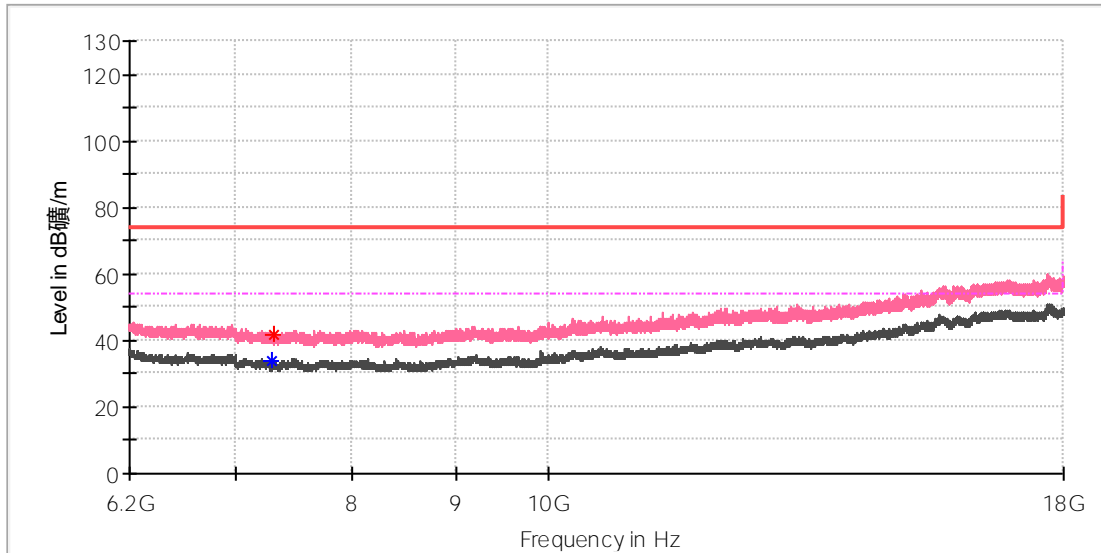


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7311.658333	42.39	---	74.00	31.61	100.0	H	296.0	8.2
7317.558333	---	33.00	54.00	21.00	100.0	H	82.0	8.2

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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

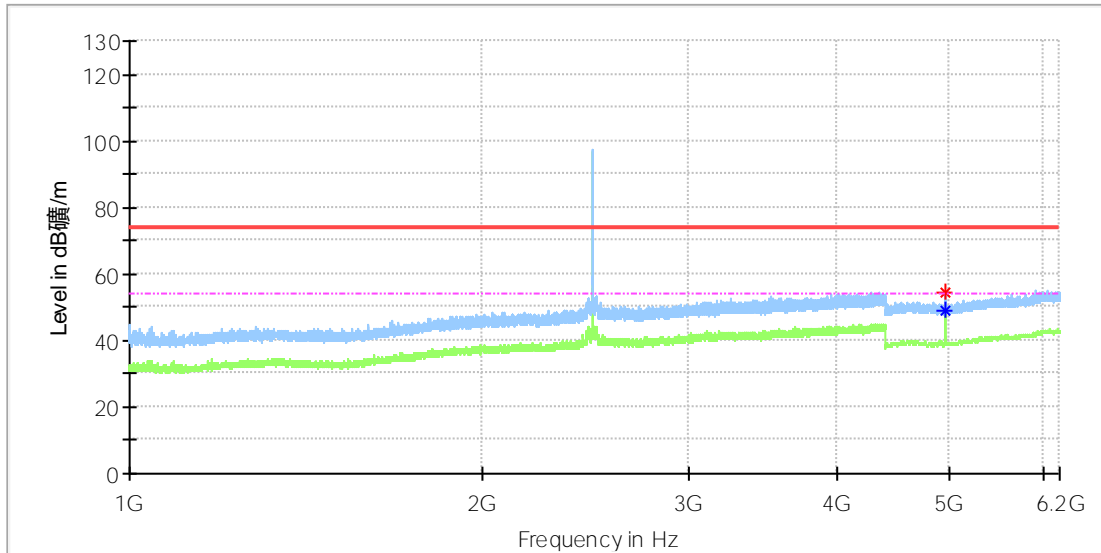


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7293.466667	---	33.88	54.00	20.12	100.0	V	32.0	8.3
7313.133333	41.47	---	74.00	32.53	100.0	V	21.0	8.2

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

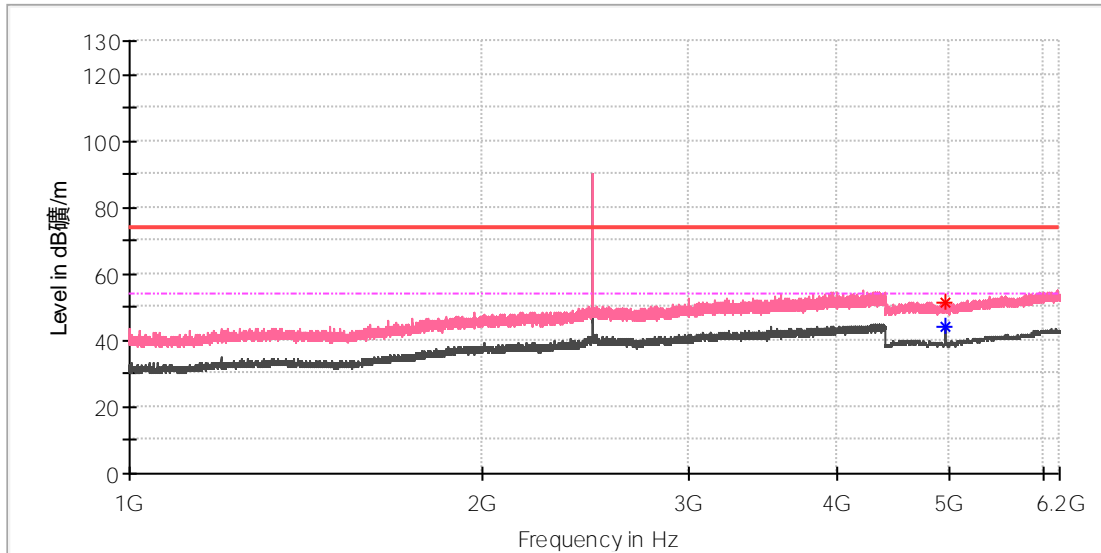


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4957.000000	---	48.85	54.00	5.15	100.0	H	231.0	11.8
4957.000000	54.32	---	74.00	19.68	100.0	H	231.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

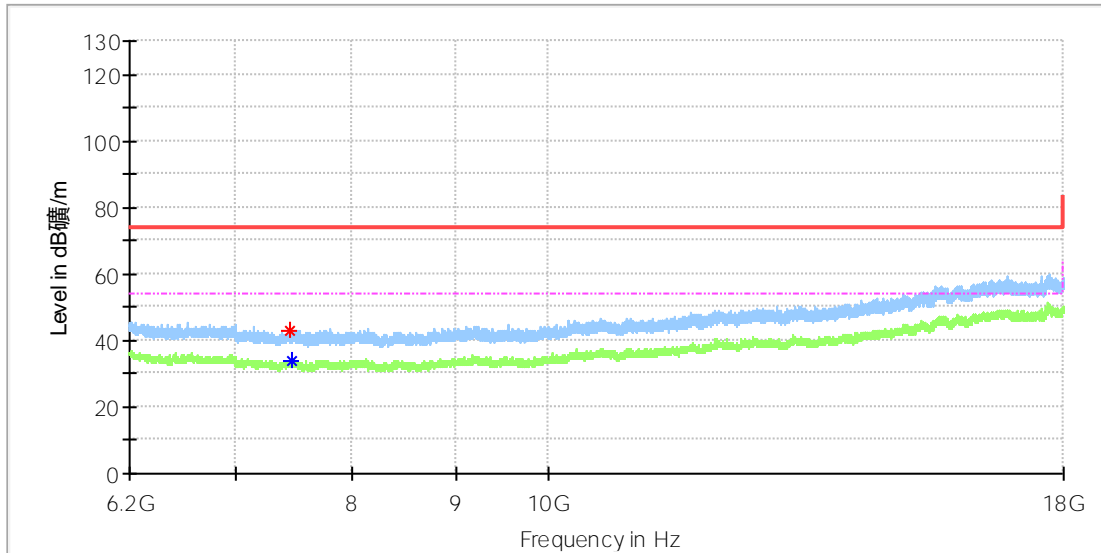


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4956.500000	51.24	---	74.00	22.76	100.0	V	235.0	11.8
4957.000000	---	44.34	54.00	9.66	100.0	V	324.0	11.8

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

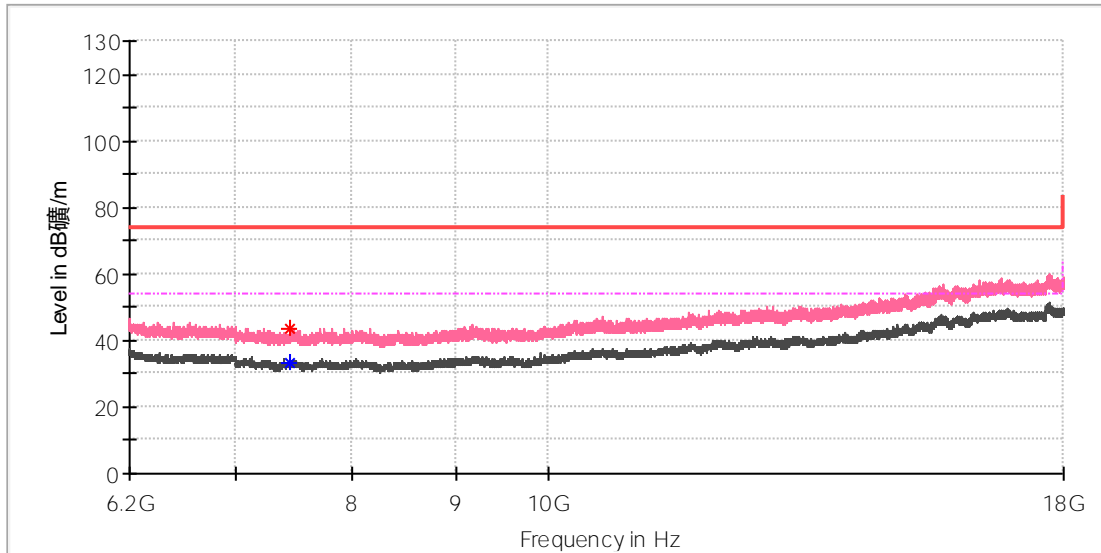


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7447.850000	42.64	---	74.00	31.36	100.0	H	0.0	8.5
7456.208333	---	33.84	54.00	20.16	100.0	H	0.0	8.5

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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



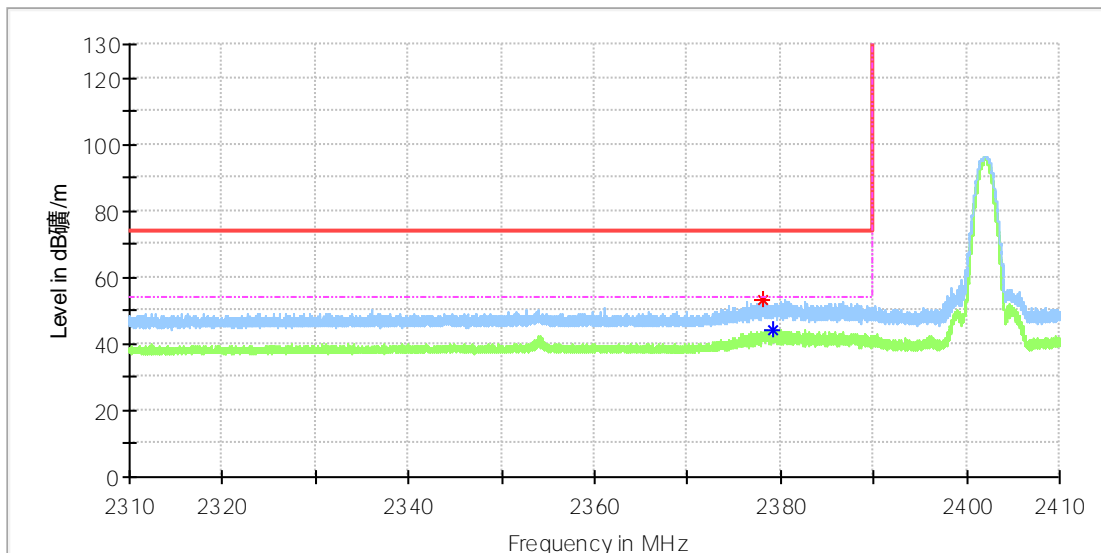
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	43.48	---	74.00	30.52	100.0	V	342.0	8.4
7441.950000	---	33.14	54.00	20.86	100.0	V	305.0	8.4

Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name: True Wireless Earbud
 Model: EE6011GRNPRIFOB
 Test Mode: BR_DH5_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

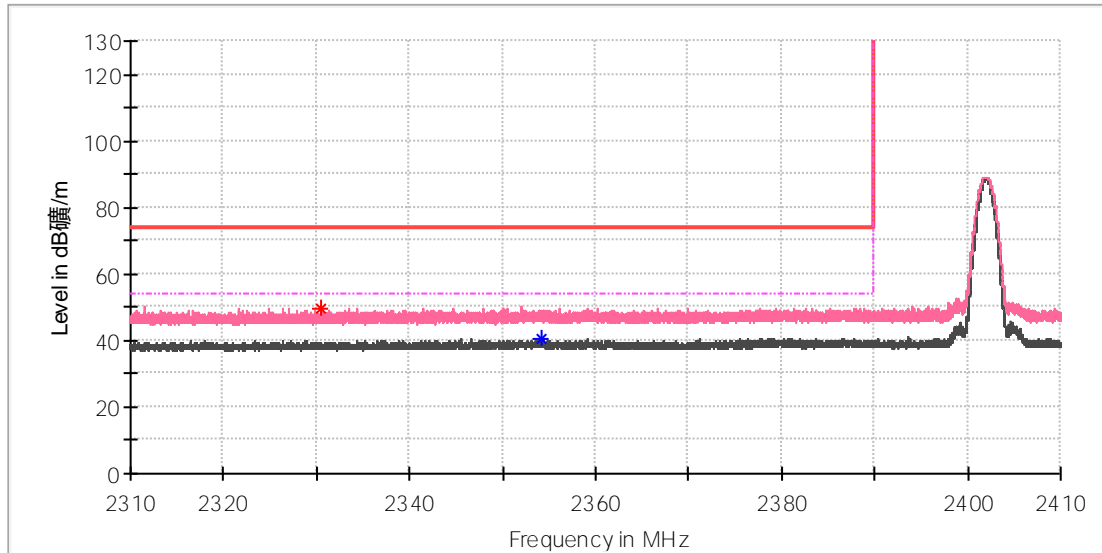


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2378.065000	53.45	---	74.00	20.55	100.0	H	256.0	6.9
2379.280000	---	44.24	54.00	9.76	100.0	H	256.0	7.0

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

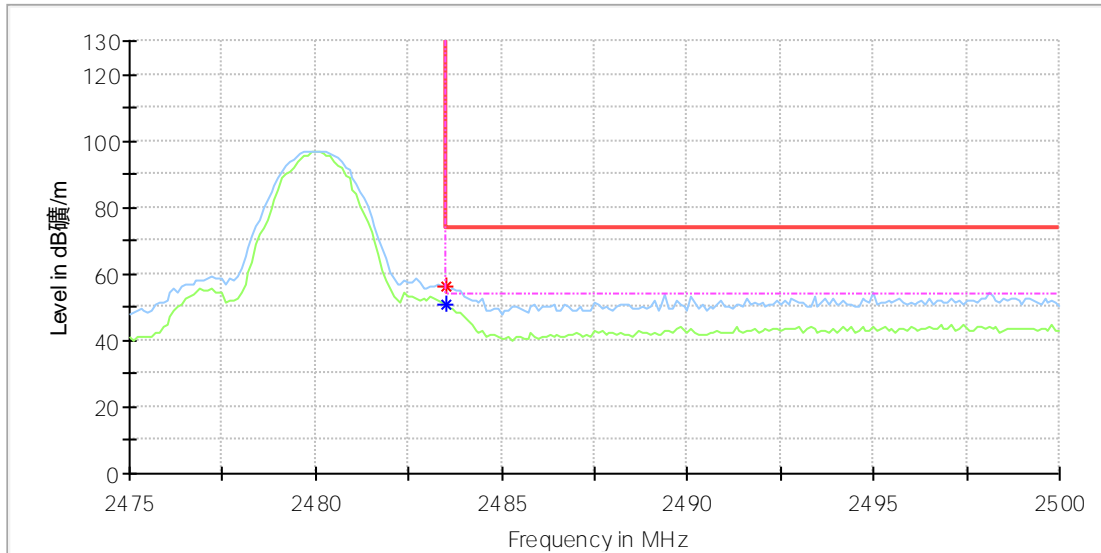


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2330.435000	49.74	---	74.00	24.26	100.0	V	235.0	6.7
2354.255000	---	40.61	54.00	13.40	100.0	V	317.0	6.9

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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

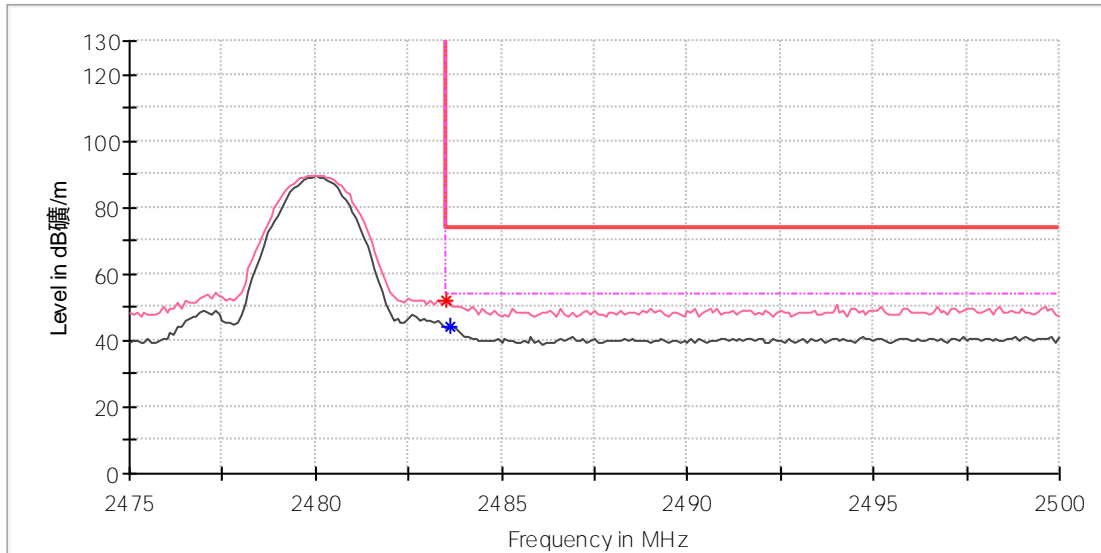


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	56.51	---	74.00	17.49	100.0	H	342.0	7.4
2483.500000	---	50.87	54.00	3.13	100.0	H	342.0	7.4

EUT Information

EUT Name:	True Wireless Earbud
Model:	EE6011GRNPRIFOB
Test Mode:	BR_DH5_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)
2483.500000	52.00	---	74.00	22.00	100.0	V	179.0	7.4
2483.600000	---	44.38	54.00	9.62	100.0	V	179.0	7.4