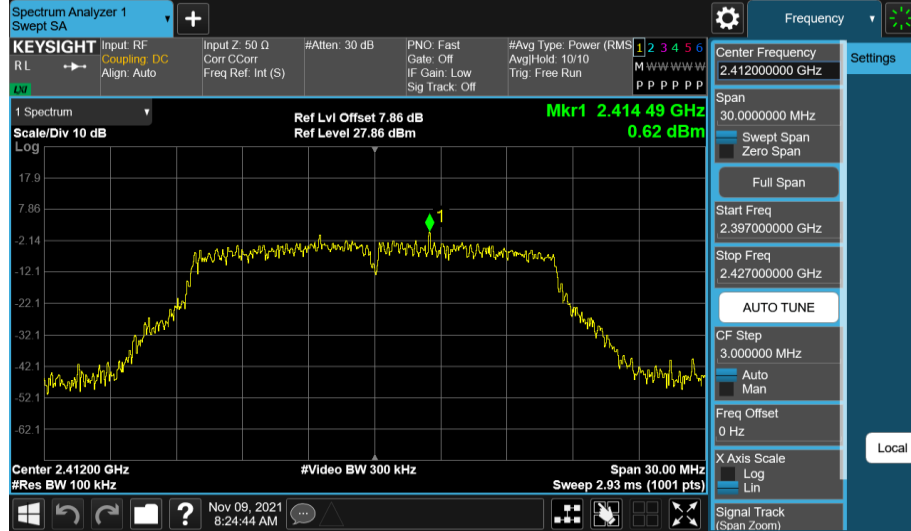
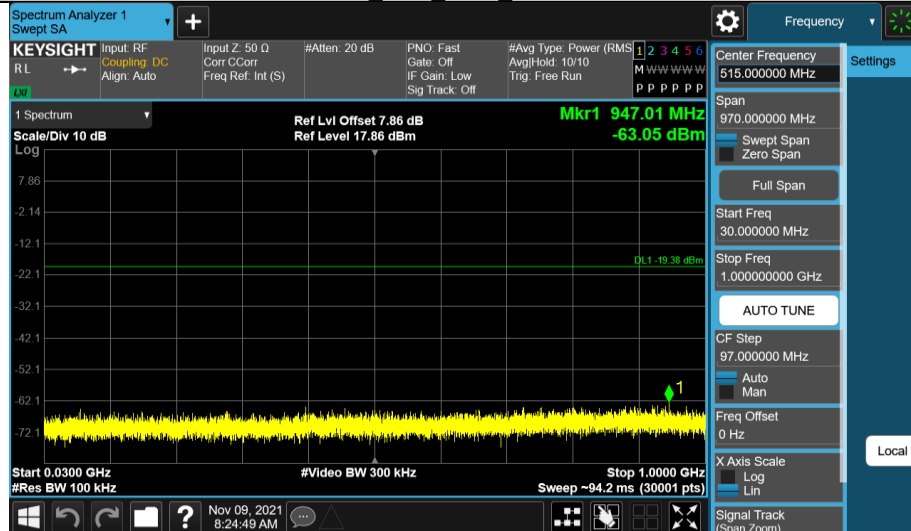


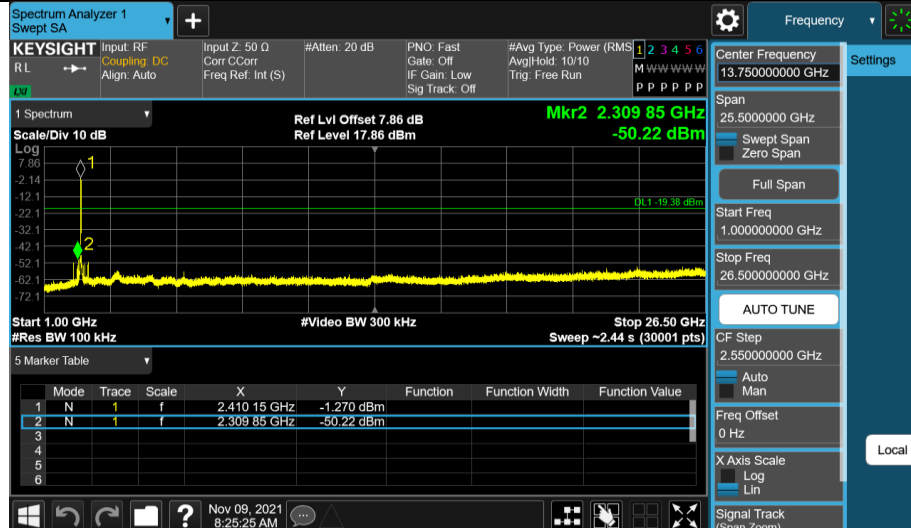
11G_Ant1_2412_0~Reference



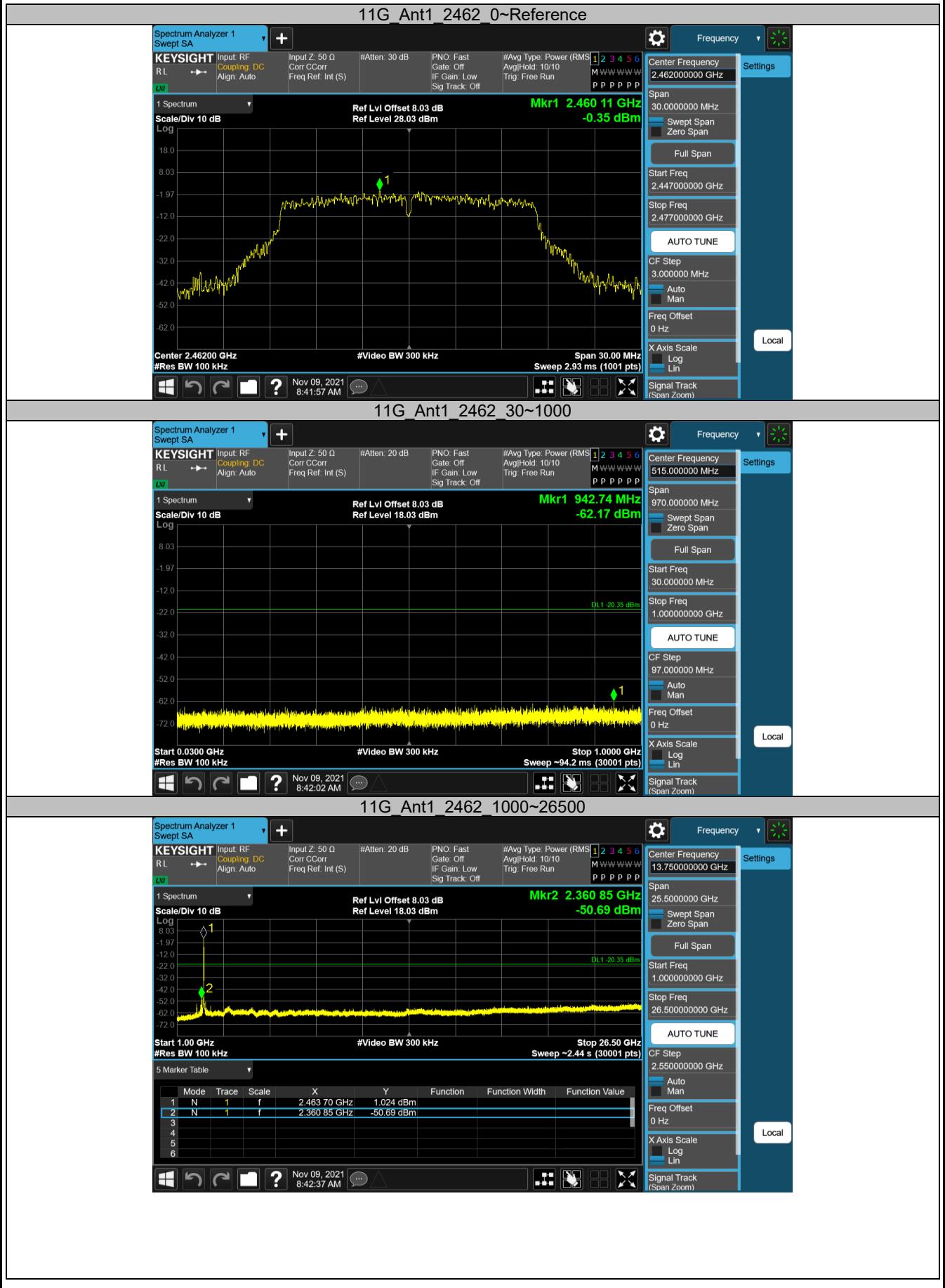
11G_Ant1_2412_30~1000

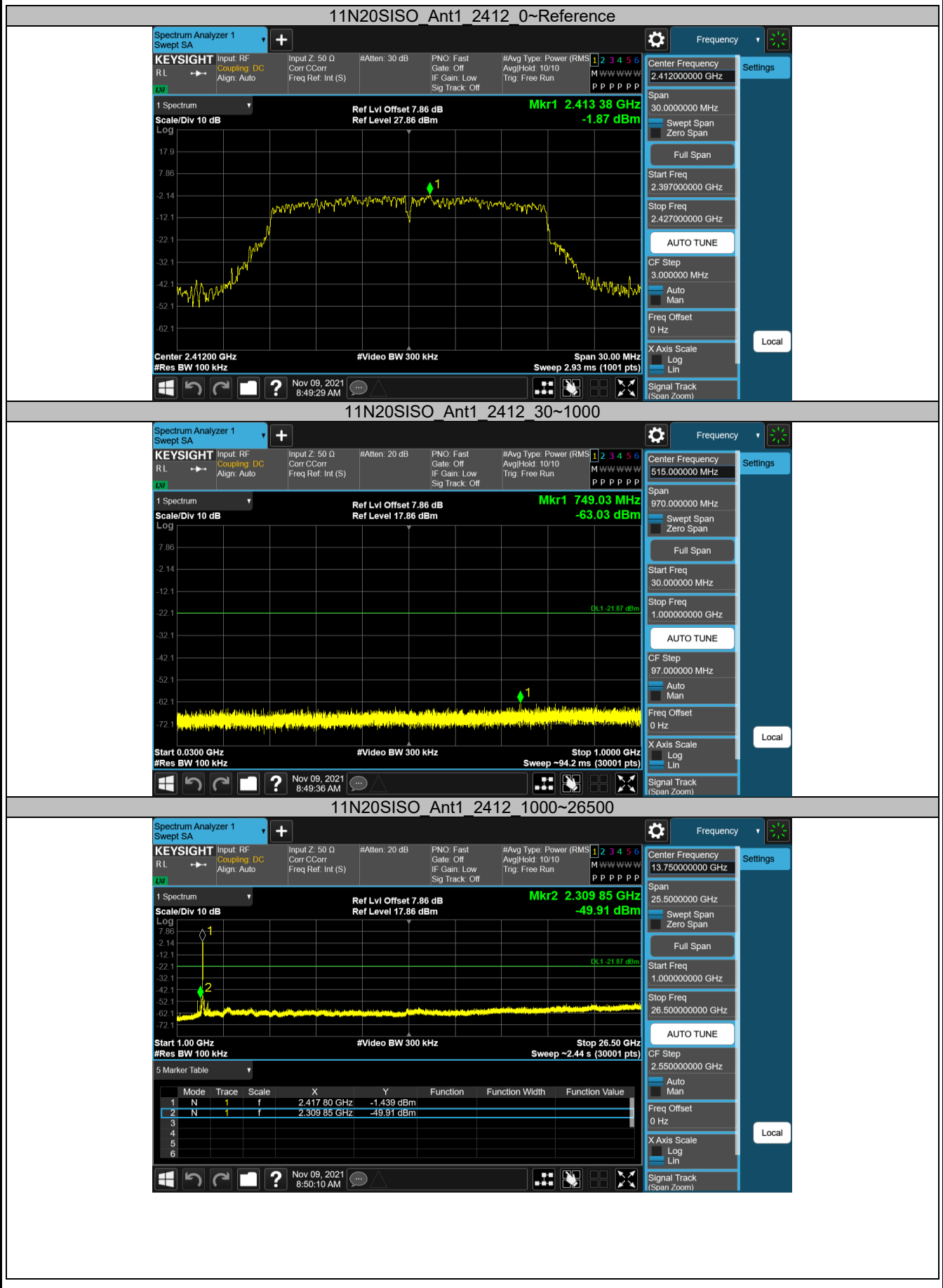


11G_Ant1_2412_1000~26500













Appendix B.5: Test Results of Radiated Spurious Emissions

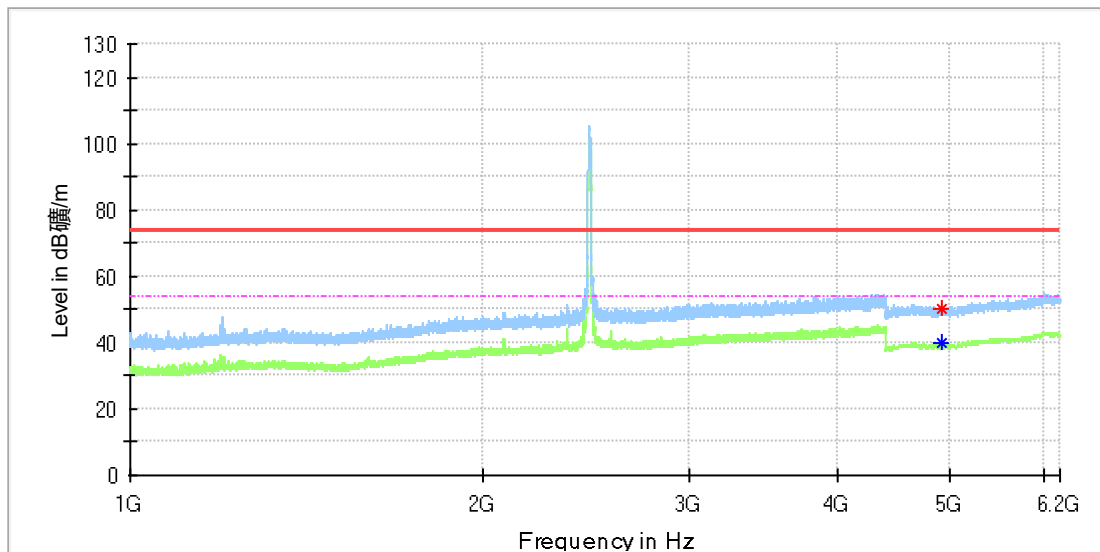
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

All modes and channels were tested, only the worst-case reported.

Wi-Fi 802.11 b mode, 1 Mbps (Worst-case)

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

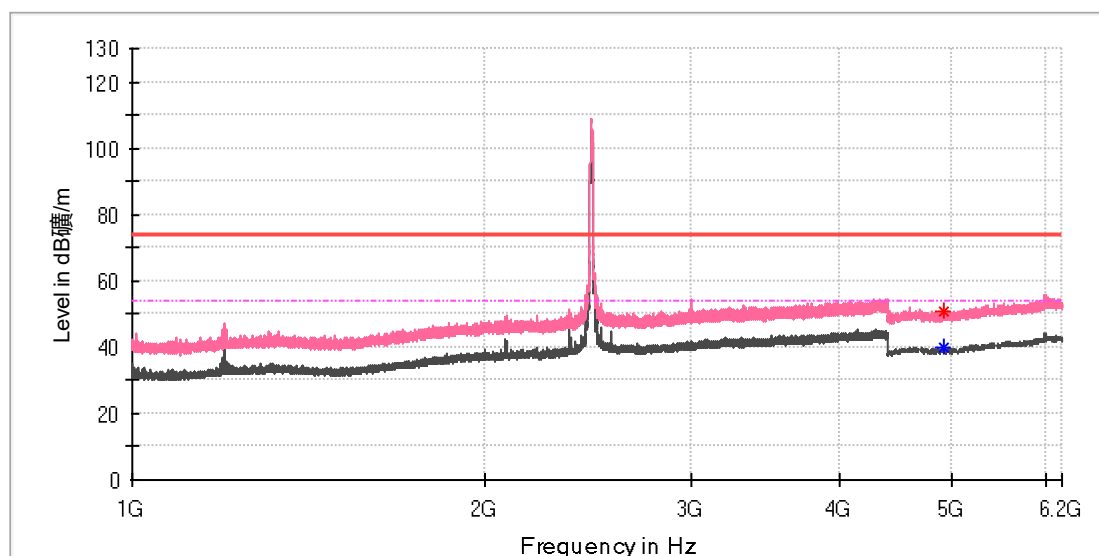
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	---	39.91	54.00	14.09	100.0	H	67.0	11.8
4925.000000	50.02	---	74.00	23.98	100.0	H	138.0	11.8

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

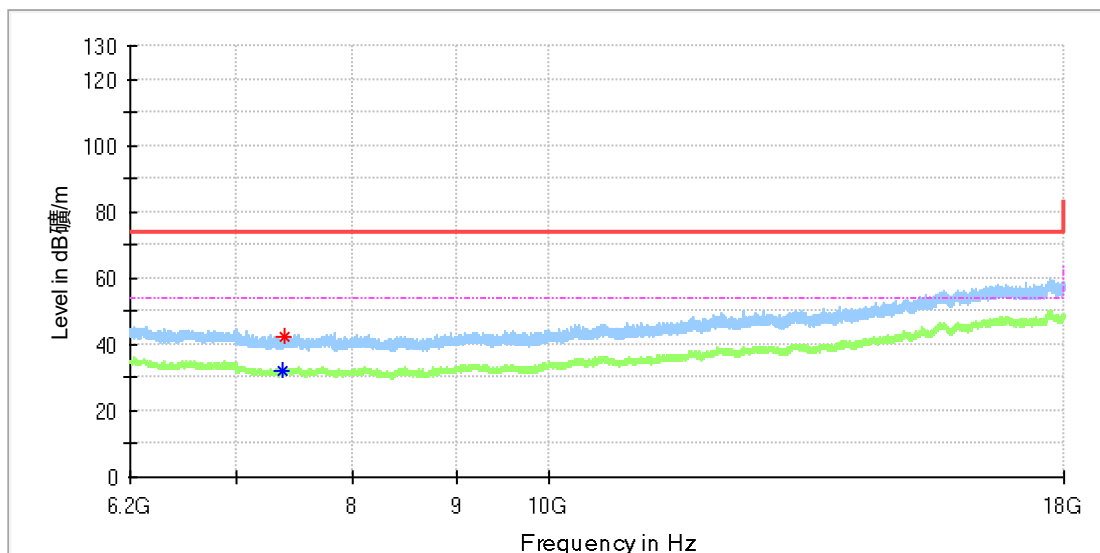
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4921.000000	50.50	---	74.00	23.50	100.0	V	78.0	11.8
4924.000000	---	39.80	54.00	14.20	100.0	V	30.0	11.8

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

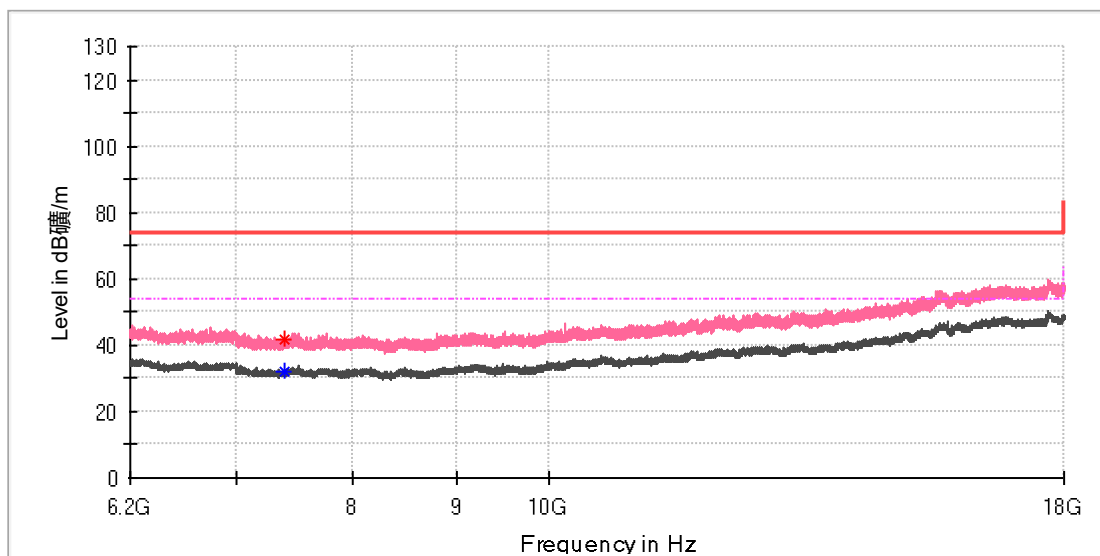
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7375.083333	---	32.27	54.00	21.73	100.0	H	58.0	8.2
7397.700000	42.19	---	74.00	31.81	100.0	H	113.0	8.3

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

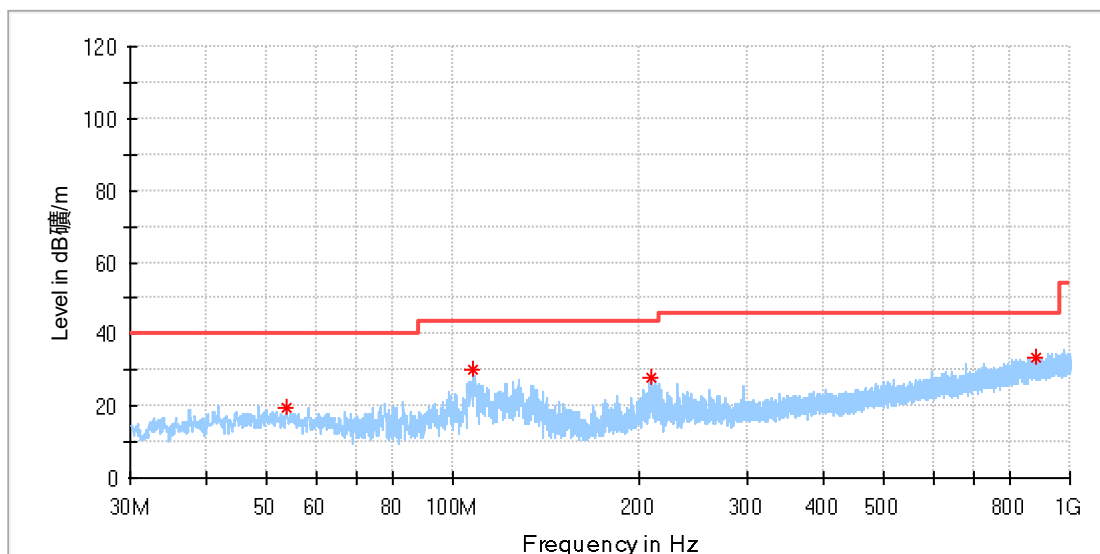


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7385.900000	41.43	---	74.00	32.57	100.0	V	66.0	8.2
7395.241667	---	31.80	54.00	22.20	100.0	V	229.0	8.3

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

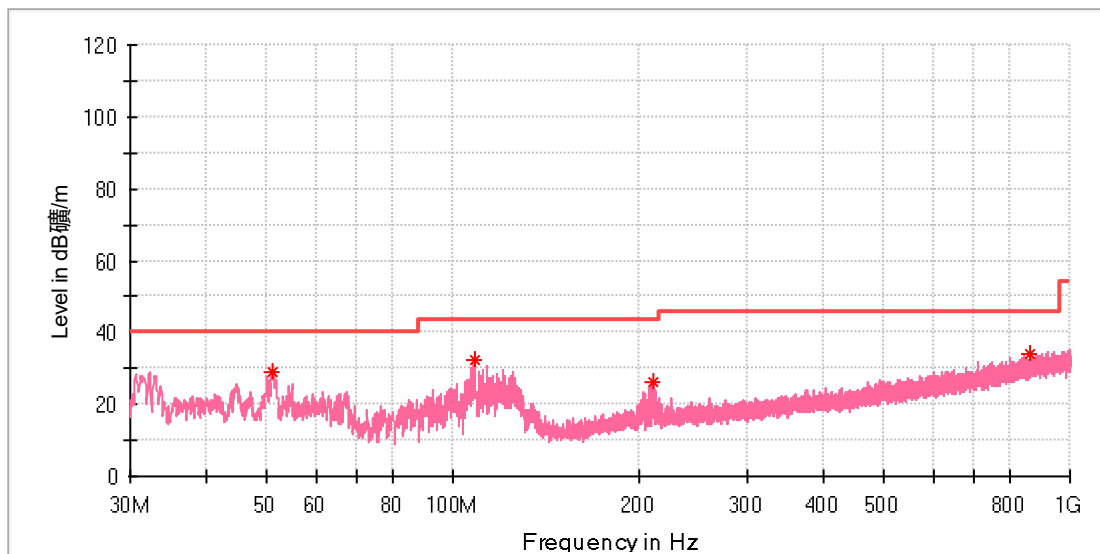
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
53.813500	19.75	40.00	20.25	100.0	H	254.0	-18.4
107.891000	30.17	43.50	13.33	100.0	H	340.0	-18.9
209.207500	28.08	43.50	15.42	100.0	H	138.0	-18.9
877.440500	33.57	46.00	12.43	100.0	H	219.0	-5.2

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

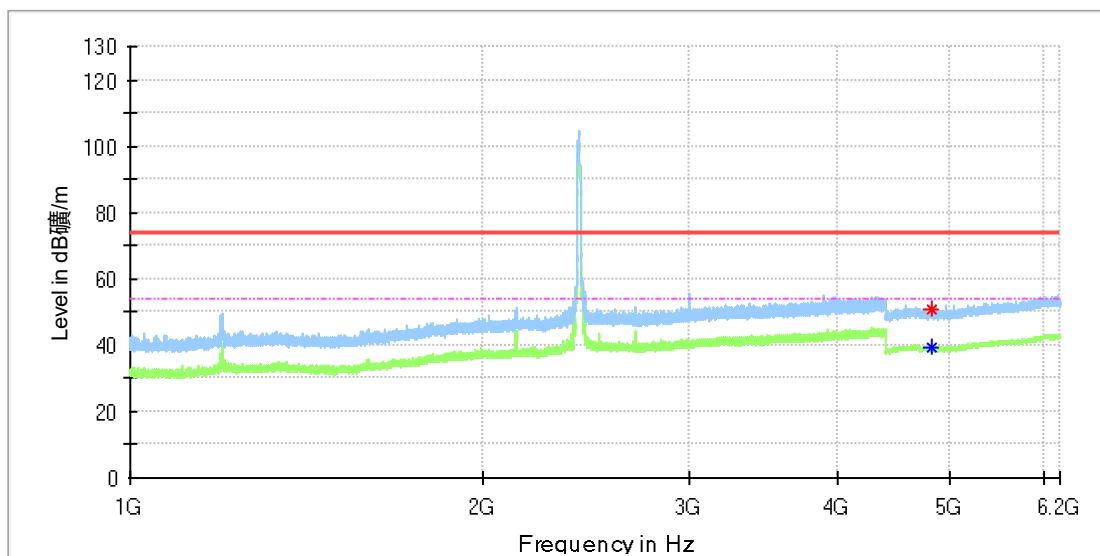
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.146000	28.76	40.00	11.24	100.0	V	243.0	-18.3
108.473000	32.41	43.50	11.09	100.0	V	210.0	-19.0
210.517000	26.48	43.50	17.02	100.0	V	268.0	-18.9
864.103000	34.26	46.00	11.74	100.0	V	136.0	-5.3

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

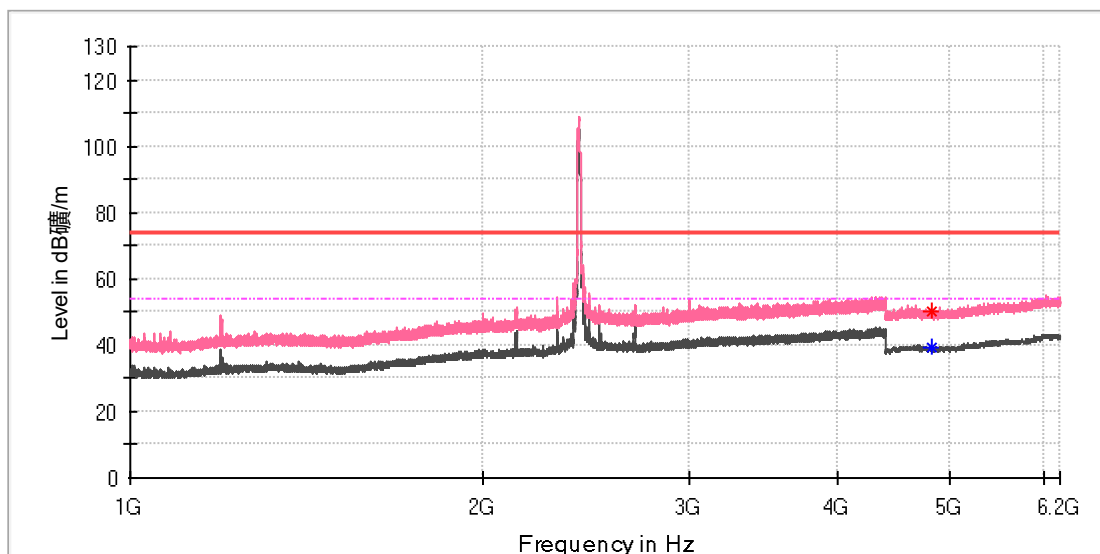
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4819.500000	50.54	---	74.00	23.46	100.0	H	157.0	11.8
4823.000000	---	39.05	54.00	14.95	100.0	H	87.0	11.8

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

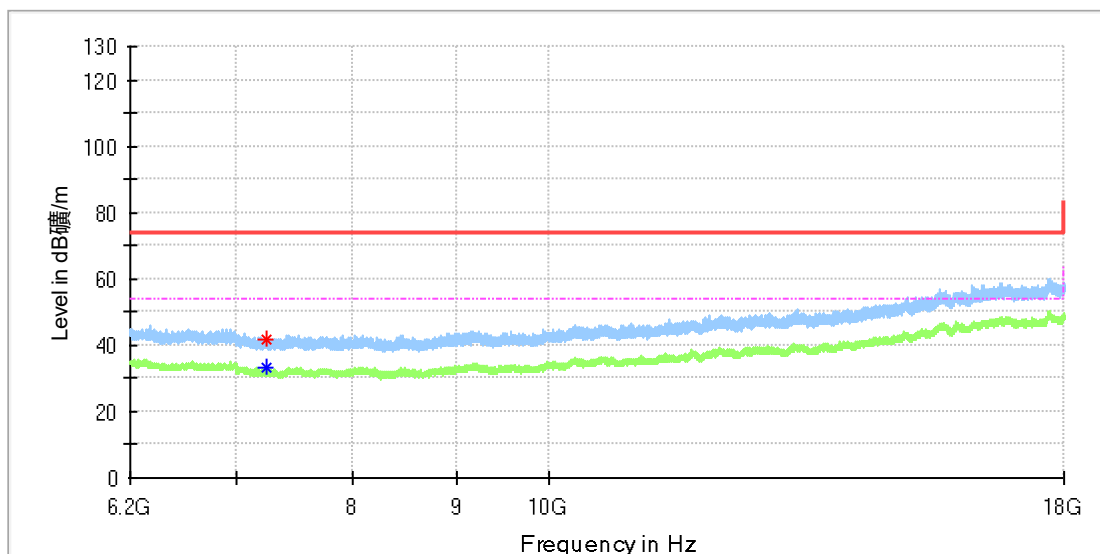
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4820.500000	50.44	---	74.00	23.56	100.0	V	109.0	11.8
4823.000000	---	39.07	54.00	14.93	100.0	V	109.0	11.8

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

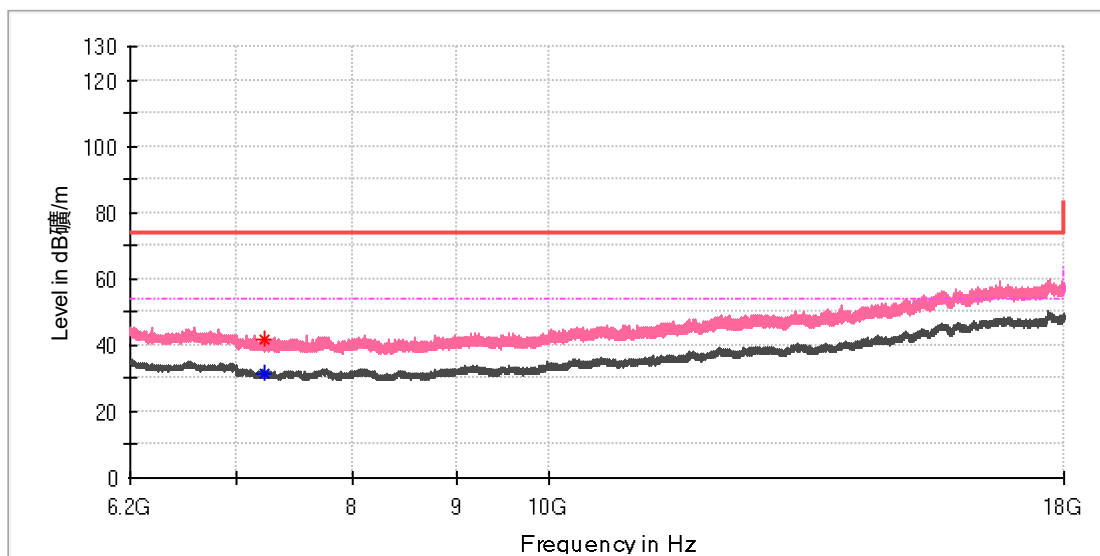
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7237.416667	42.00	---	74.00	32.00	100.0	H	0.0	8.6
7238.400000	---	33.07	54.00	20.93	100.0	H	329.0	8.6

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

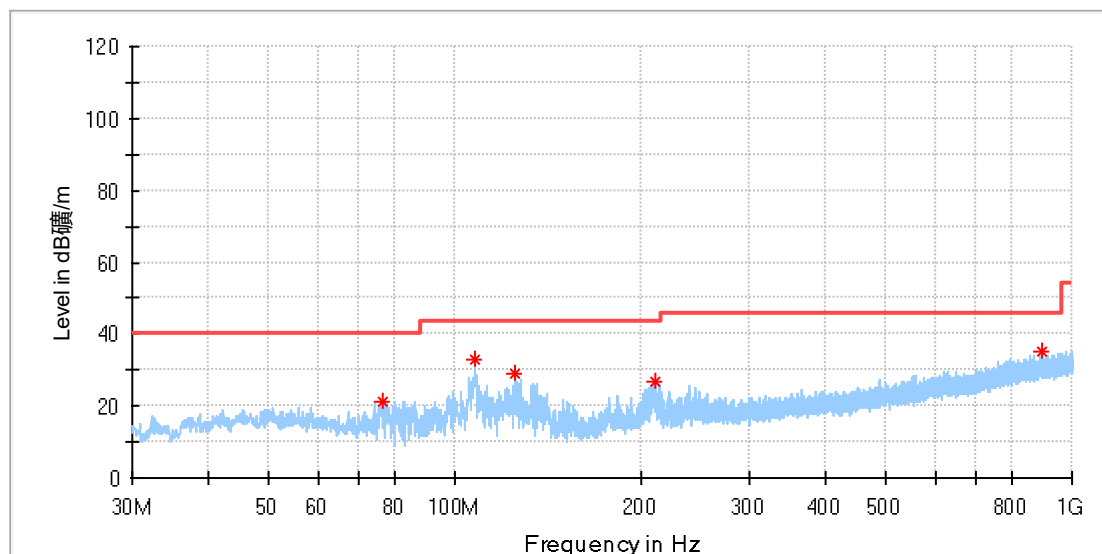
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.466667	41.47	---	74.00	32.53	100.0	V	65.0	8.6
7234.958333	---	31.35	54.00	22.65	100.0	V	94.0	8.6

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

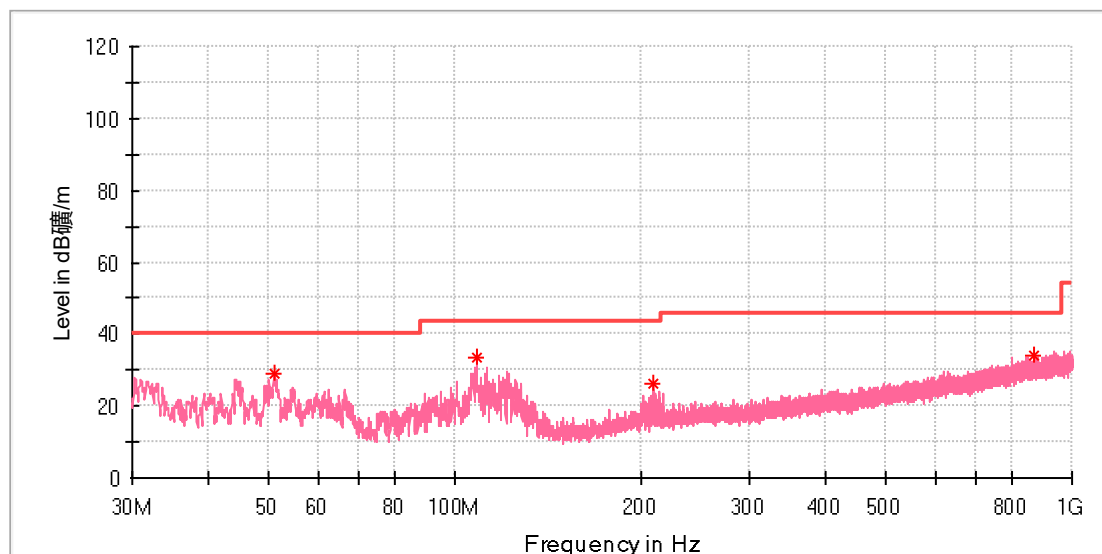
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
76.657000	21.33	40.00	18.67	100.0	H	351.0	-23.4
107.988000	33.05	43.50	10.45	100.0	H	315.0	-18.9
125.351000	29.28	43.50	14.22	100.0	H	305.0	-21.4
211.050500	26.61	43.50	16.89	100.0	H	284.0	-18.9
894.561000	35.31	46.00	10.69	100.0	H	273.0	-5.0

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
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)
50.903500	29.09	40.00	10.91	100.0	V	75.0	-18.3
108.521500	33.69	43.50	9.81	100.0	V	238.0	-19.0
209.159000	26.33	43.50	17.17	100.0	V	288.0	-18.9
864.491000	34.15	46.00	11.85	100.0	V	145.0	-5.3

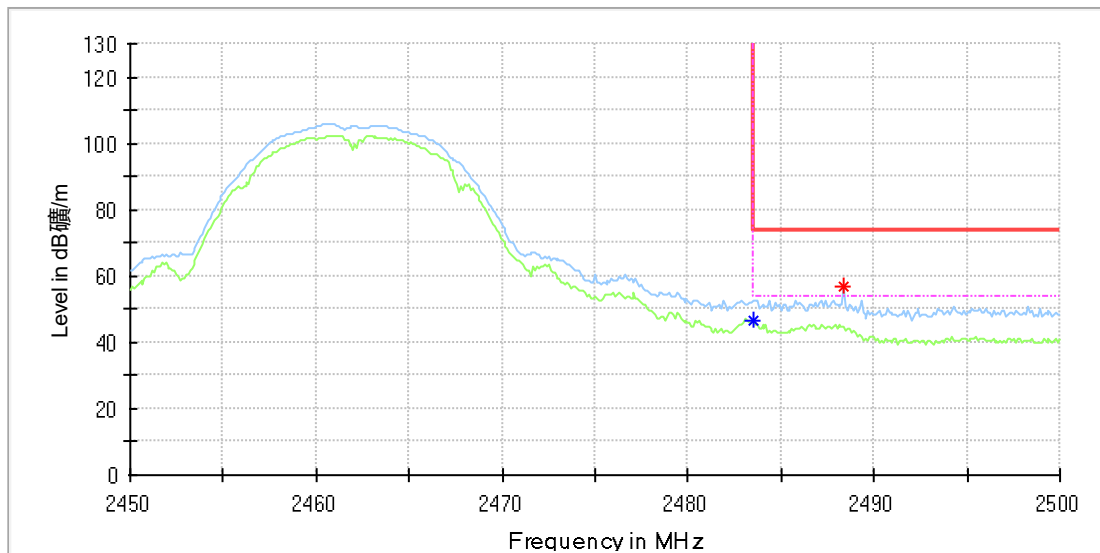
Final Result

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

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

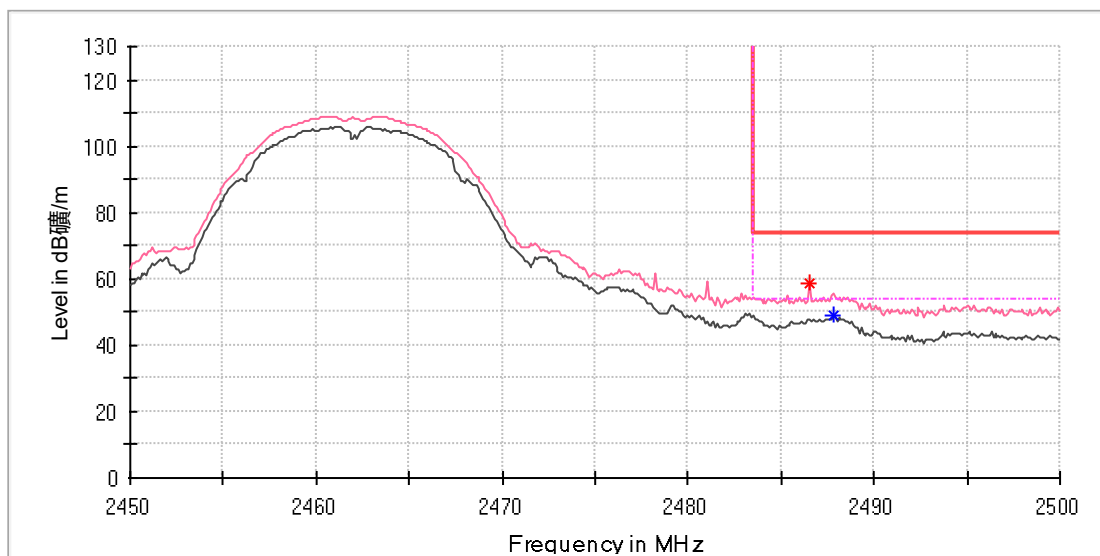
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	---	46.30	54.00	7.70	100.0	H	309.0	7.4
2488.400000	57.00	---	74.00	17.00	100.0	H	309.0	7.4

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

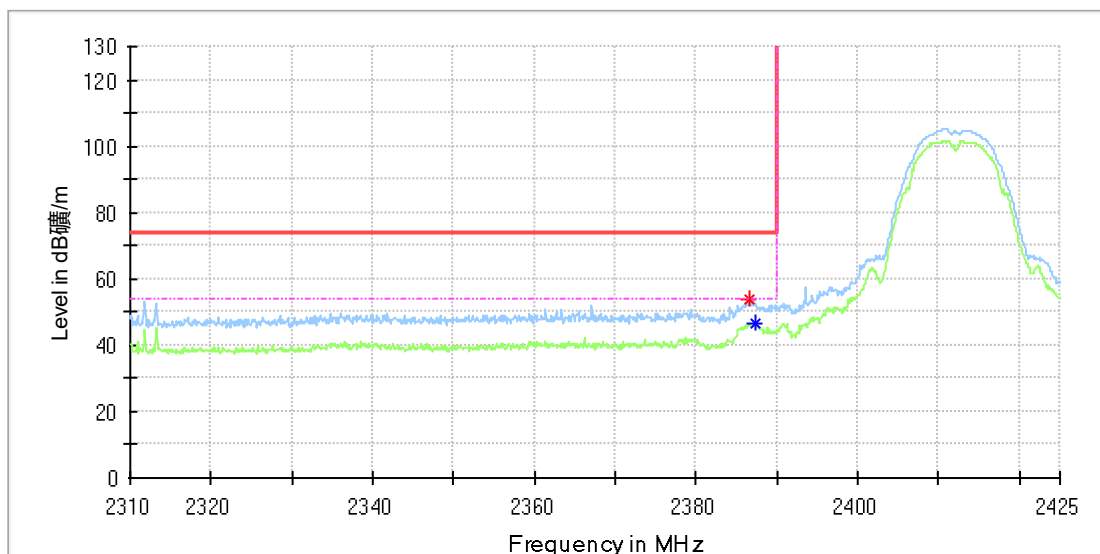
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.500000	58.88	---	74.00	15.12	100.0	V	29.0	7.4
2487.800000	---	48.94	54.00	5.06	100.0	V	29.0	7.4

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

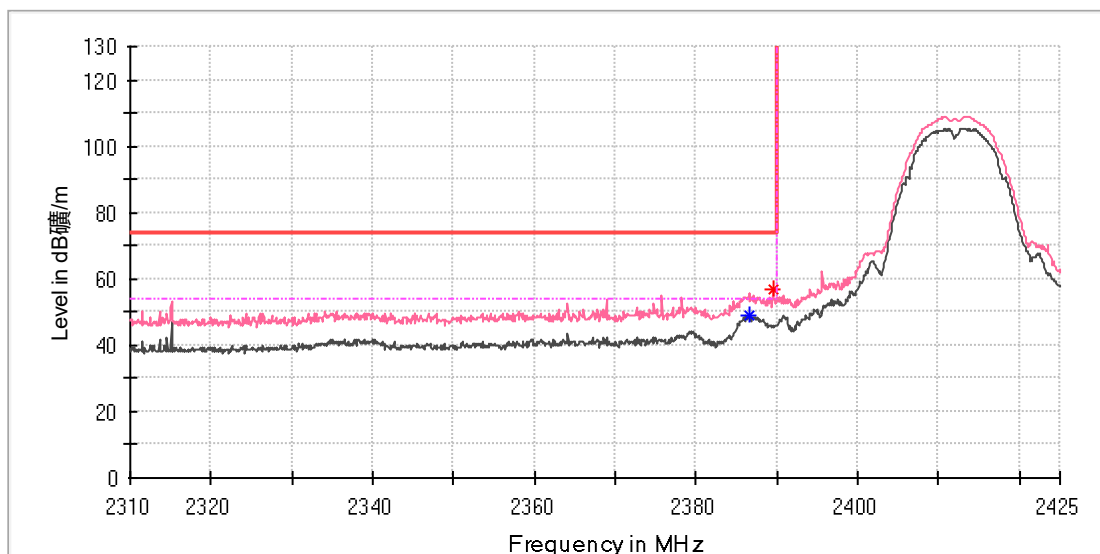
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.600000	53.78	---	74.00	20.22	100.0	H	44.0	7.0
2387.300000	---	46.71	54.00	7.29	100.0	H	54.0	7.0

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

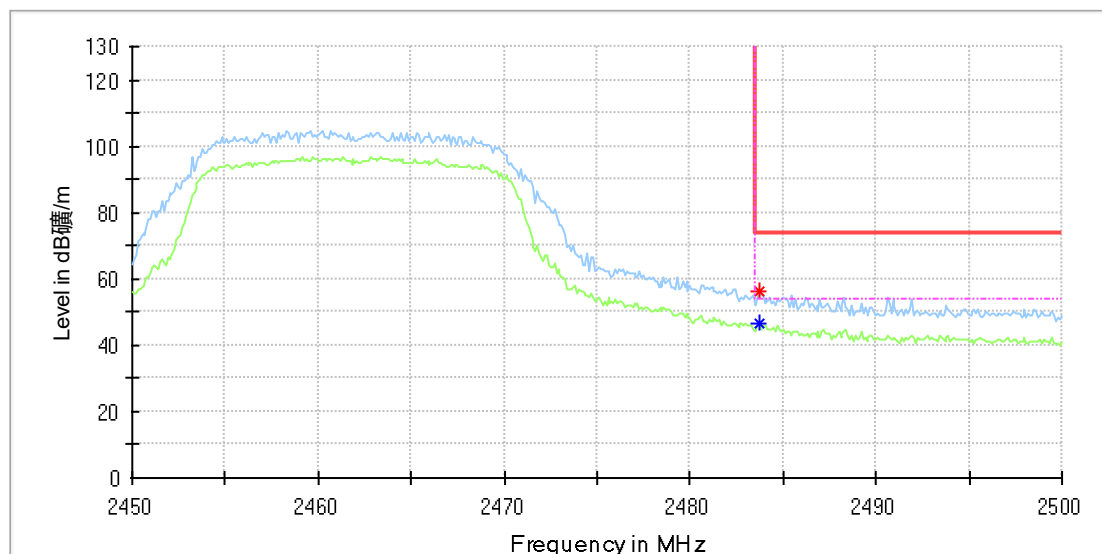
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.700000	---	49.20	54.00	4.80	100.0	V	325.0	7.0
2389.500000	56.67	---	74.00	17.33	100.0	V	325.0	7.0

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

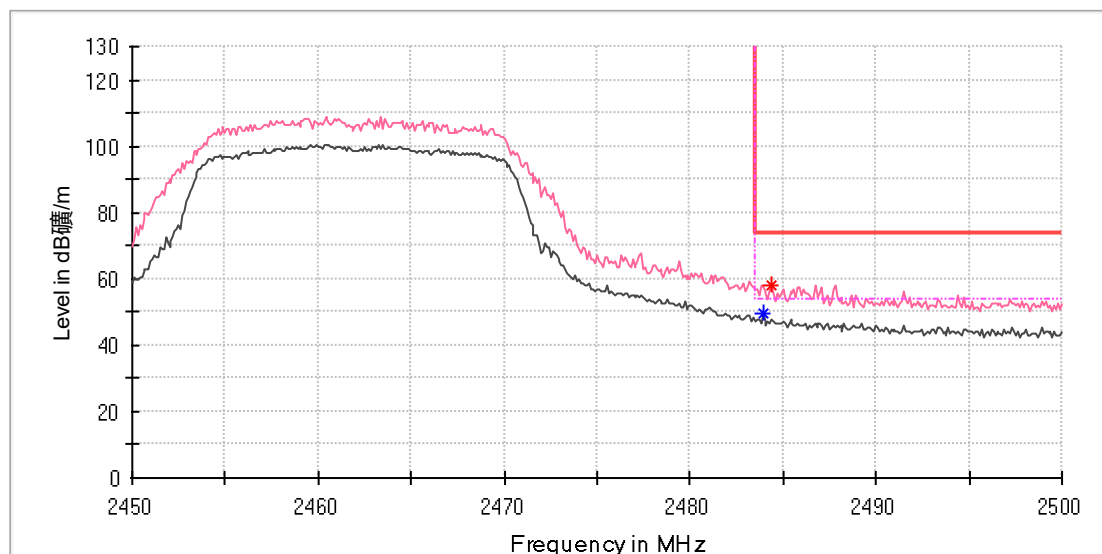
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.700000	---	46.61	54.00	7.39	100.0	H	316.0	7.4
2483.700000	56.32	---	74.00	17.68	100.0	H	316.0	7.4

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

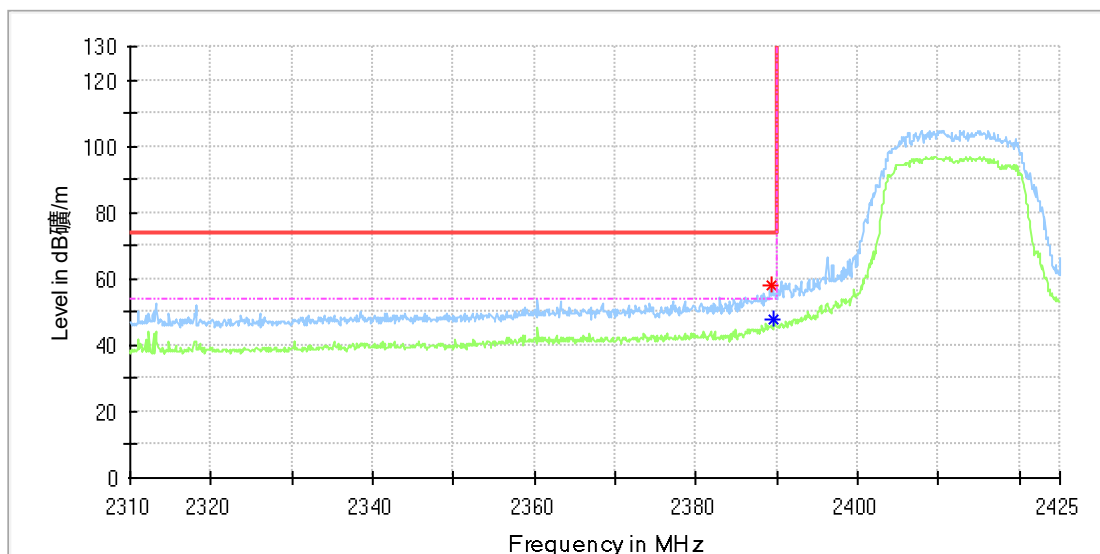
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.900000	---	49.39	54.00	4.61	100.0	V	335.0	7.4
2484.400000	58.12	---	74.00	15.88	100.0	V	38.0	7.4

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11g_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

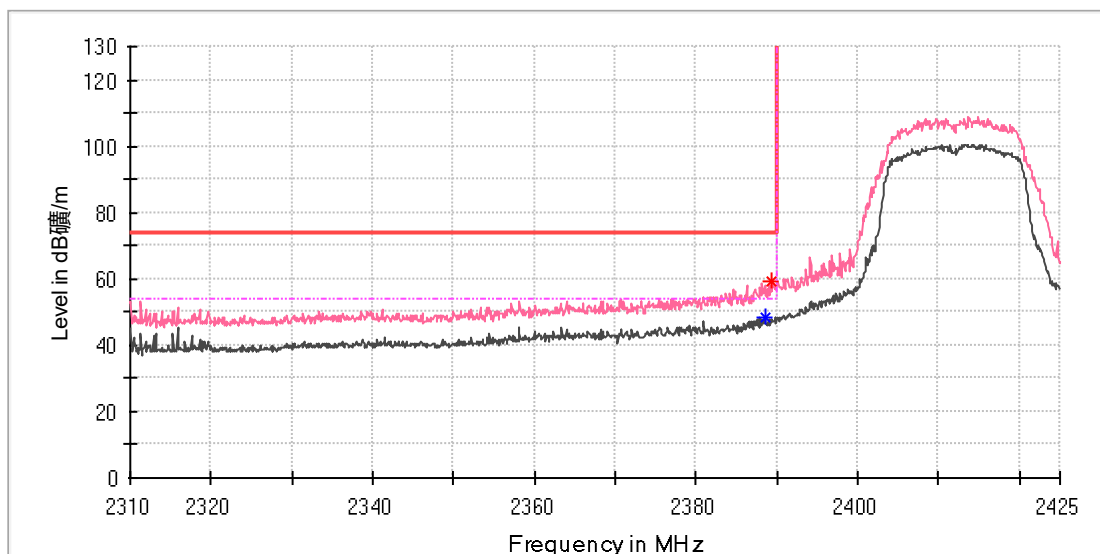
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.400000	58.18	---	74.00	15.82	100.0	H	45.0	7.0
2389.600000	---	47.97	54.00	6.03	100.0	H	45.0	7.0

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11g_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

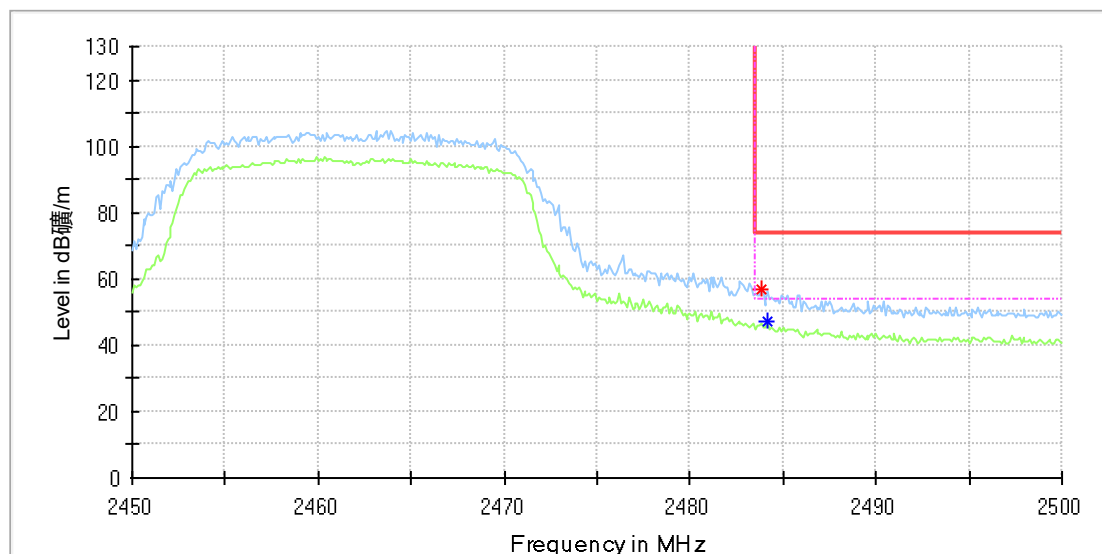
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.500000	---	48.57	54.00	5.43	100.0	V	322.0	7.0
2389.400000	59.50	---	74.00	14.50	100.0	V	333.0	7.0

Final_Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11n_High channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

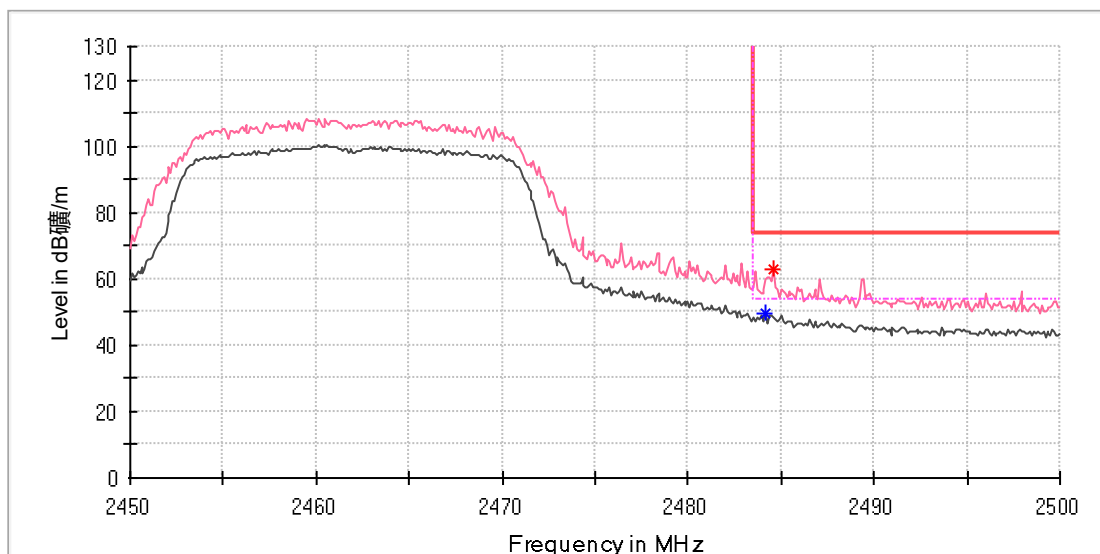
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	56.66	---	74.00	17.34	100.0	H	66.0	7.4
2484.200000	---	46.89	54.00	7.11	100.0	H	302.0	7.4

Final_Result

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

EUT Information

EUT Name: Control Extender
Model: EL-IO-200
Test Mode: WIFI 2.4G_11n_High channel
Order No/Sample No: 168327991/A002938509-024
Test Voltage:: 120V/60Hz
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

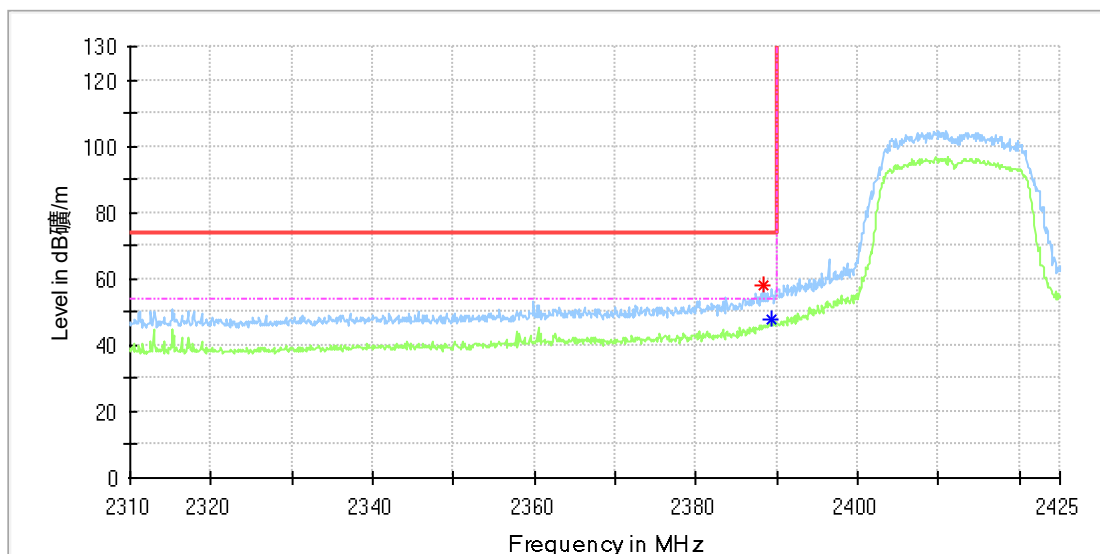
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.200000	---	49.44	54.00	4.56	100.0	V	24.0	7.4
2484.600000	62.70	---	74.00	11.30	100.0	V	14.0	7.4

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11n_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

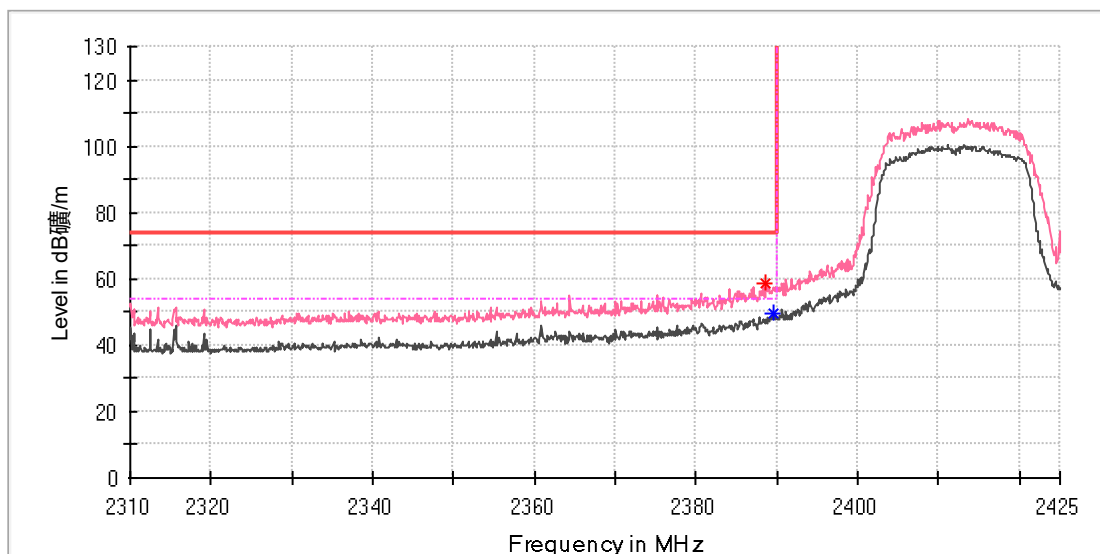
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.300000	58.19	---	74.00	15.81	100.0	H	306.0	7.0
2389.400000	---	47.50	54.00	6.50	100.0	H	47.0	7.0

Final Result

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

EUT Information

EUT Name:	Control Extender
Model:	EL-IO-200
Test Mode:	WIFI 2.4G_11n_Low channel
Order No/Sample No:	168327991/A002938509-024
Test Voltage::	120V/60Hz
Remark:	Temp 22 Humi:52%
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)
2388.600000	58.53	---	74.00	15.47	100.0	V	324.0	7.0
2389.500000	---	49.70	54.00	4.30	100.0	V	335.0	7.0

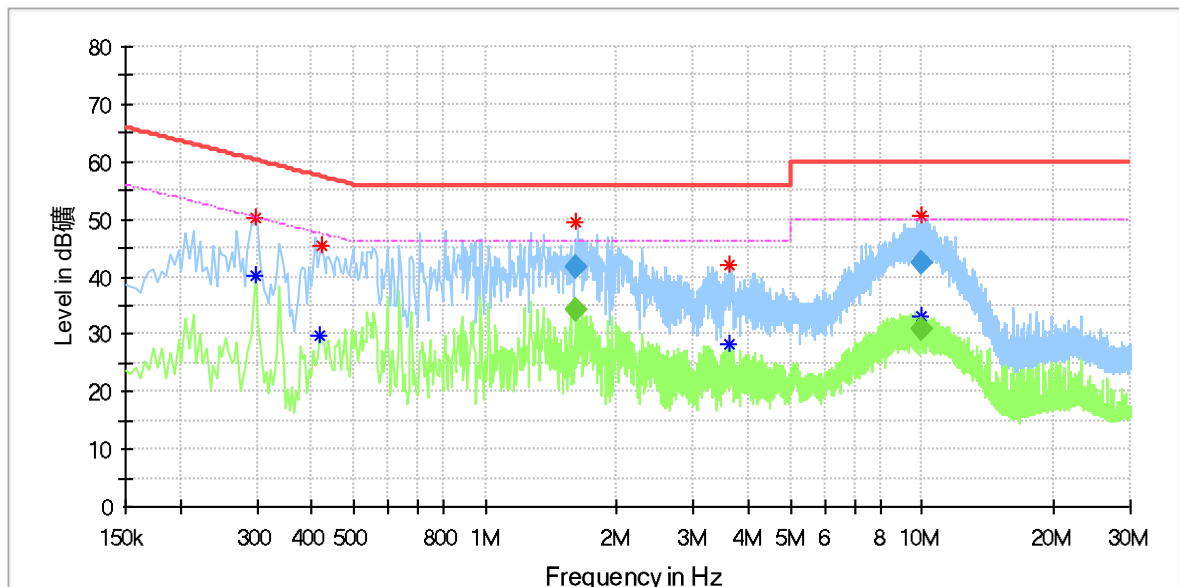
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.7: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Control Extender
Order No:	168327991
Model:	EL-IO-200
Test Mode:	WiFi 2.4GHz (EUT connect to Laptop by WiFi router)
Test Voltage:	AC 120V/60Hz
Test By:	Richard Lin
Review By:	Gary Chen
Remark:	SR1



Critical Freqs

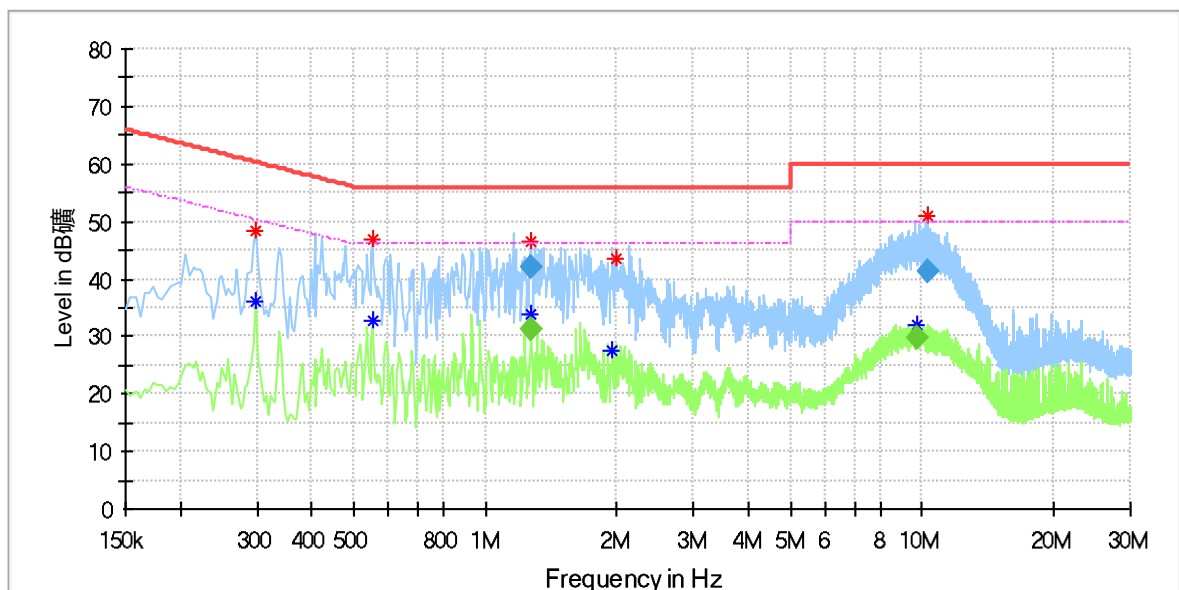
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.298000	---	40.04	50.30	10.26	L1	9.6
0.298000	50.05	---	60.30	10.25	L1	9.6
0.418000	---	29.87	47.49	17.62	L1	9.7
0.422000	45.30	---	57.41	12.11	L1	9.7
1.610500	---	34.78	46.00	11.22	L1	9.8
1.614500	49.32	---	56.00	6.68	L1	9.8
3.624000	---	28.44	46.00	17.56	L1	9.9
3.628000	42.13	---	56.00	13.87	L1	9.9
9.958500	---	33.28	50.00	16.72	L1	10.0
10.002500	50.72	---	60.00	9.28	L1	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
1.610500	---	34.17	46.00	11.83	1000.0	9.000	L1	9.8
1.614500	41.82	---	56.00	14.18	1000.0	9.000	L1	9.8
9.958500	---	30.87	50.00	19.13	1000.0	9.000	L1	10.0
10.002500	42.25	---	60.00	17.75	1000.0	9.000	L1	10.0

EUT Information

EUT Name:	Control Extender
Order No:	168327991
Model:	EL-IO-200
Test Mode:	WiFi 2.4GHz (EUT connect to Laptop by WiFi router)
Test Voltage:	AC 120V/60Hz
Test By:	Richard Lin
Review By:	Gary Chen
Remark:	SR1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.298000	---	36.23	50.30	14.06	N	9.6
0.298000	48.45	---	60.30	11.85	N	9.6
0.552000	---	32.88	46.00	13.12	N	9.7
0.552000	46.82	---	56.00	9.18	N	9.7
1.270500	---	33.97	46.00	12.03	N	9.7
1.270500	46.56	---	56.00	9.44	N	9.7
1.952000	---	27.59	46.00	18.41	N	9.7
1.992000	43.50	---	56.00	12.50	N	9.7
9.698500	---	32.03	50.00	17.97	N	10.0
10.338500	51.09	---	60.00	8.91	N	10.0

Final_Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
1.270500	---	31.38	46.00	14.62	1000.0	9.000	N	9.7
1.270500	42.15	---	56.00	13.85	1000.0	9.000	N	9.7
9.698500	---	29.77	50.00	20.23	1000.0	9.000	N	10.0
10.338500	41.44	---	60.00	18.56	1000.0	9.000	N	10.0