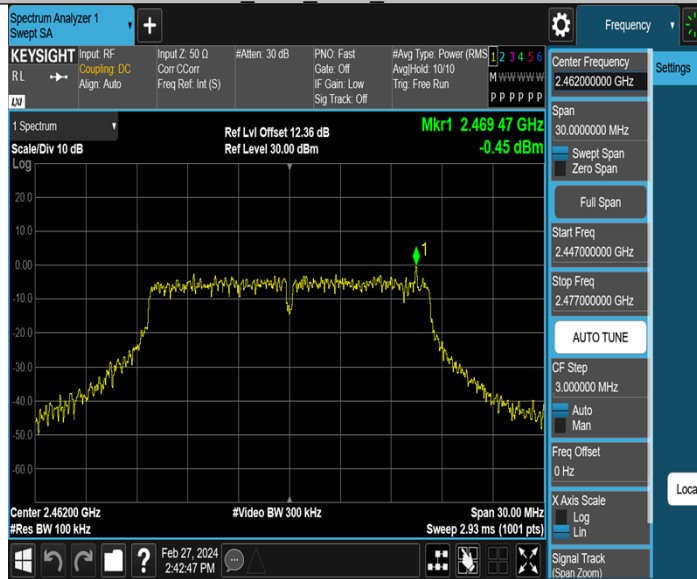
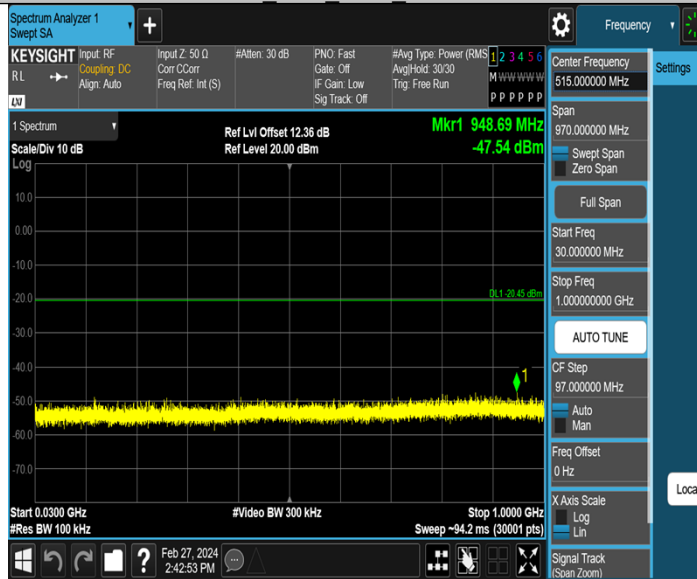


11G_Ant1_2462_0~Reference



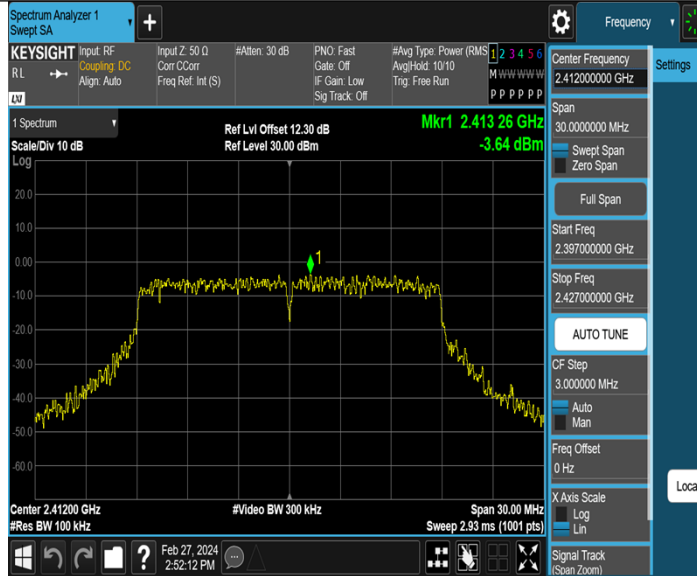
11G_Ant1_2462_30~1000



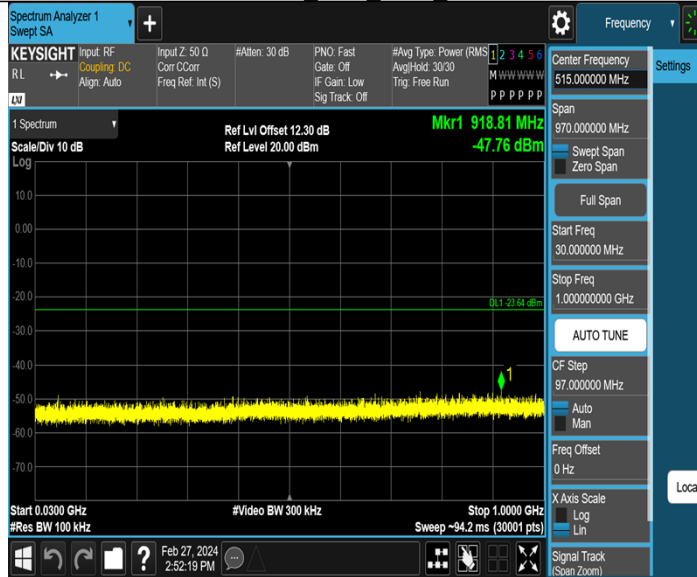
11G_Ant1_2462_1000~26500



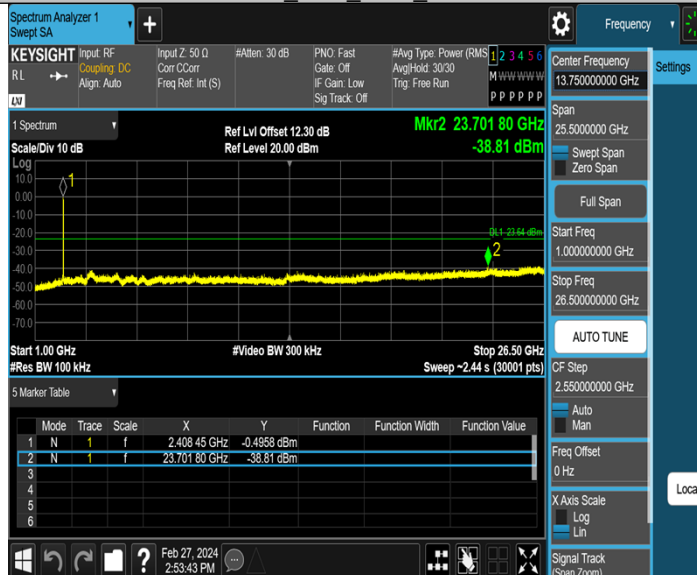
11N20SISO Ant1 2412_0~Reference



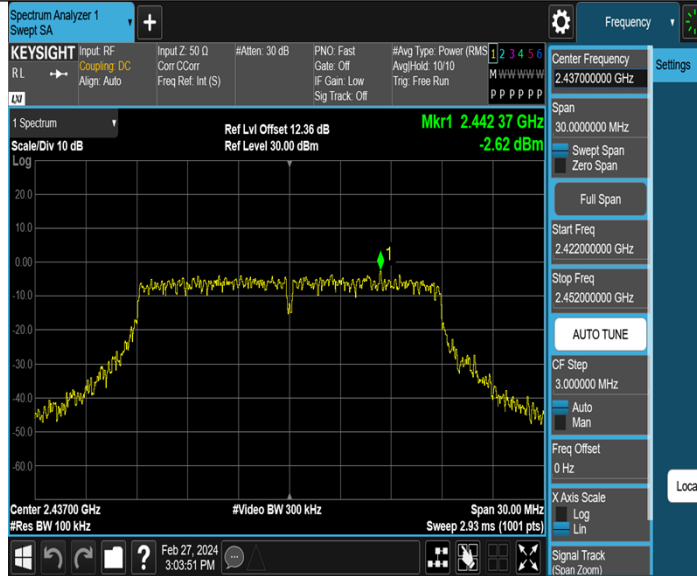
11N20SISO Ant1 2412_30~1000



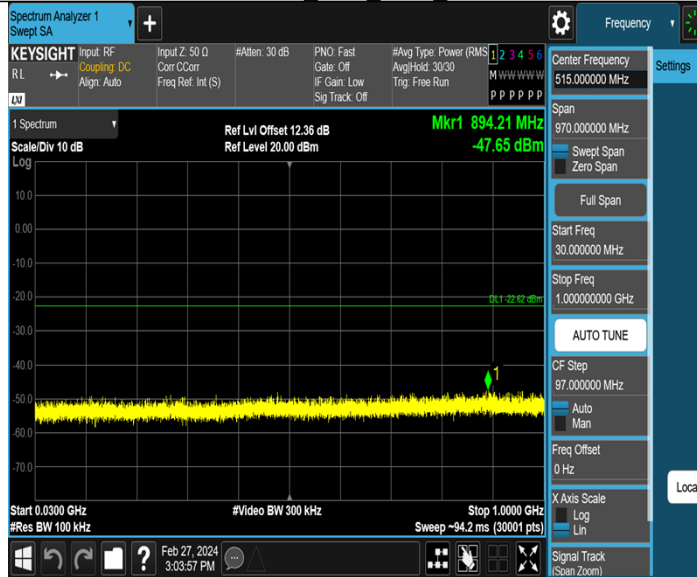
11N20SISO Ant1 2412_1000~26500



11N20SISO Ant1 2437 0~Reference



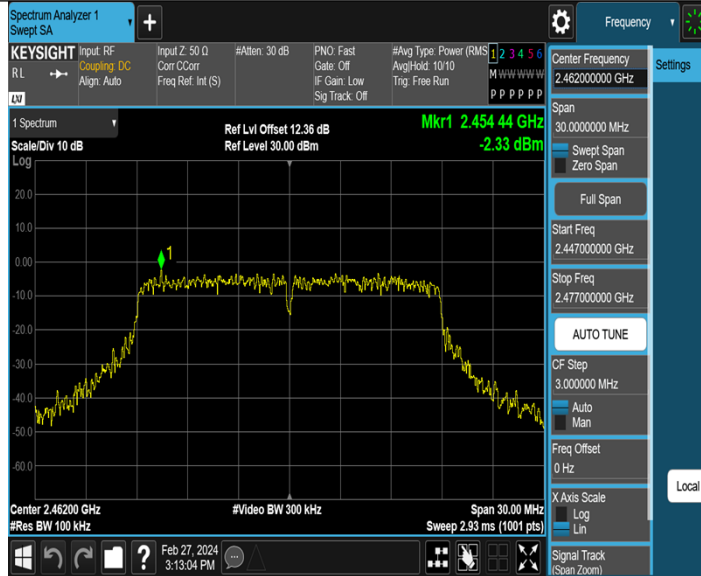
11N20SISO Ant1 2437 30~1000



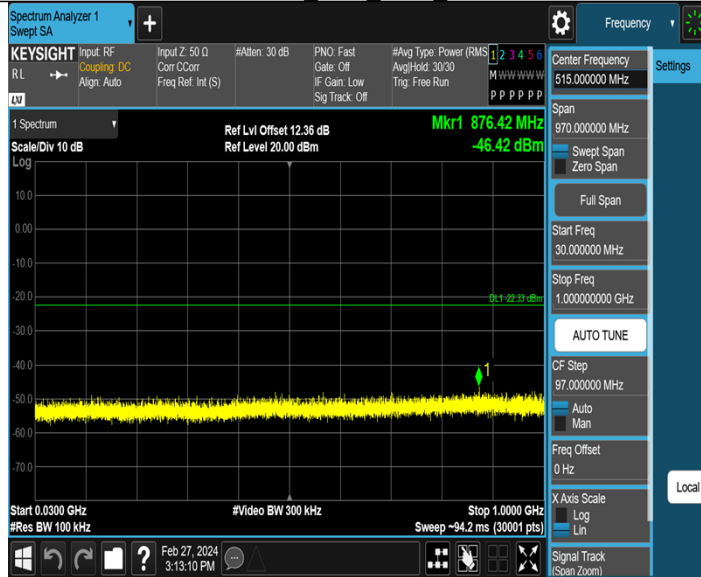
11N20SISO Ant1 2437 1000~26500



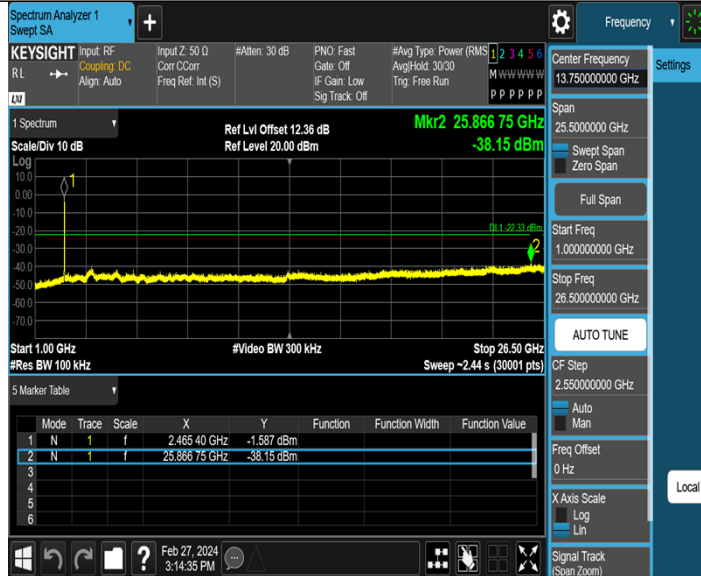
11N20SISO_Ant1_2462_0~Reference



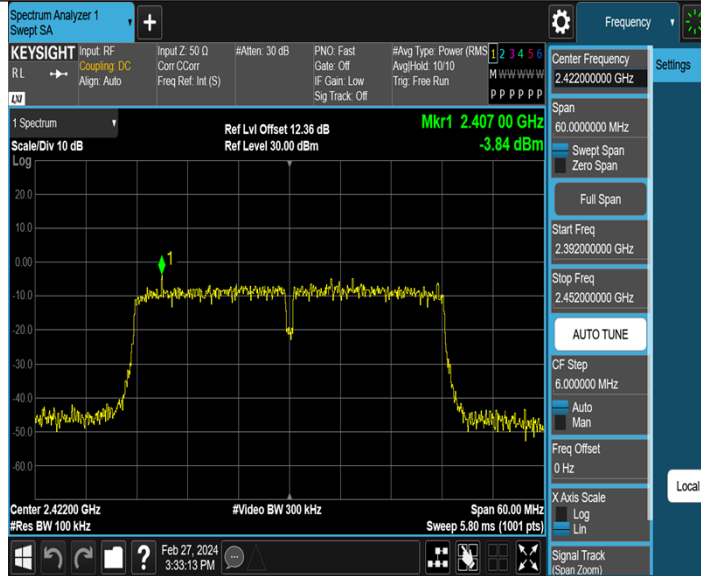
11N20SISO_Ant1_2462_30~1000



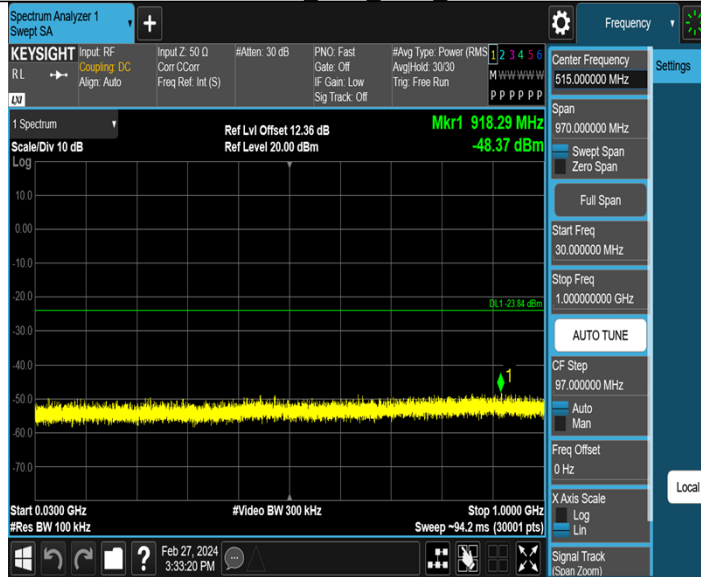
11N20SISO_Ant1_2462_1000~26500



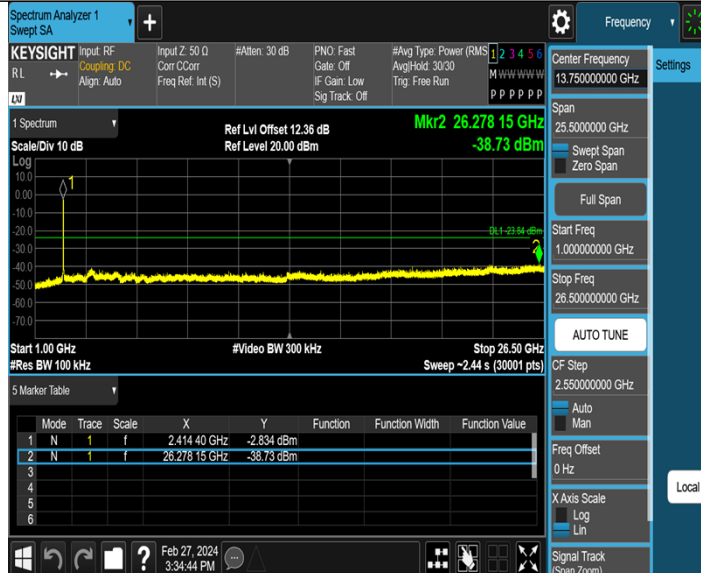
11N40SISO Ant1 2422_0~Reference



11N40SISO Ant1 2422_30~1000



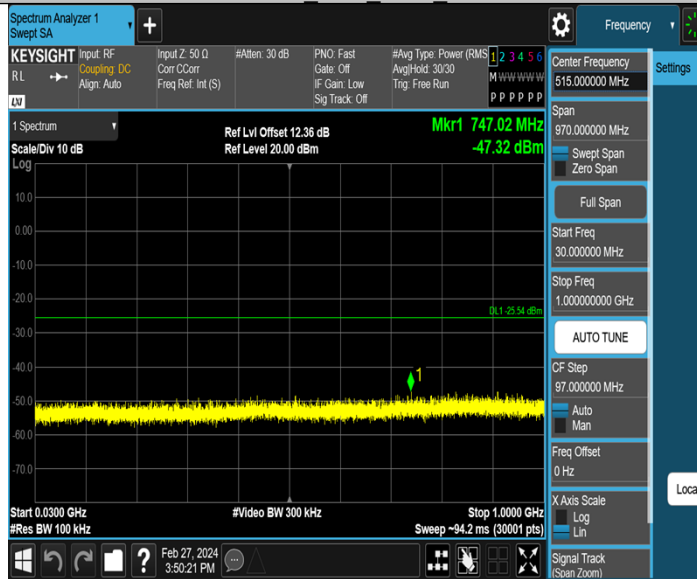
11N40SISO Ant1 2422_1000~26500



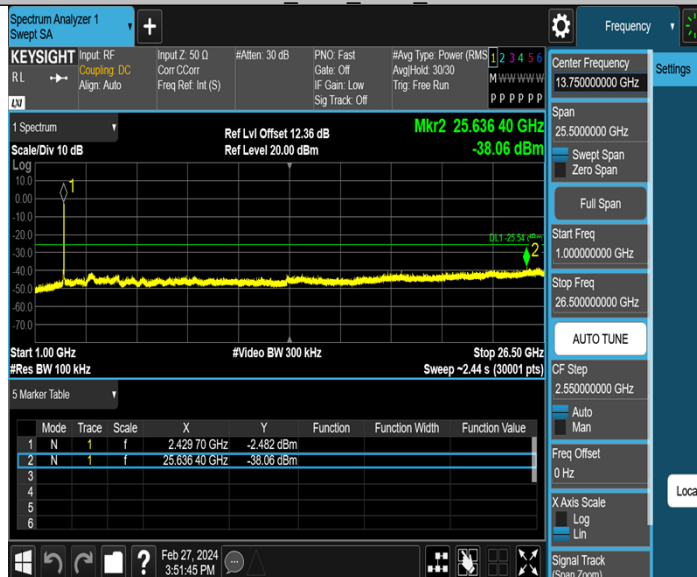
11N40SISO Ant1 2437 0~Reference



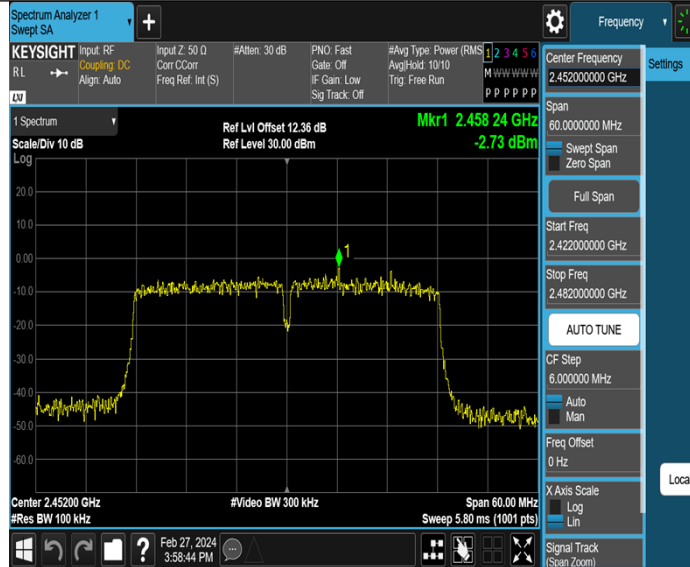
11N40SISO Ant1 2437 30~1000



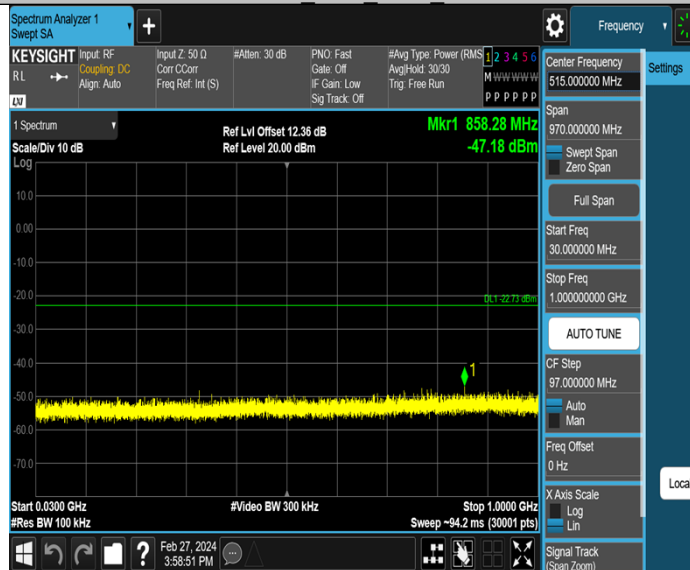
11N40SISO Ant1 2437 1000~26500



11N40SISO Ant1 2452_0~Reference



11N40SISO Ant1 2452_30~1000

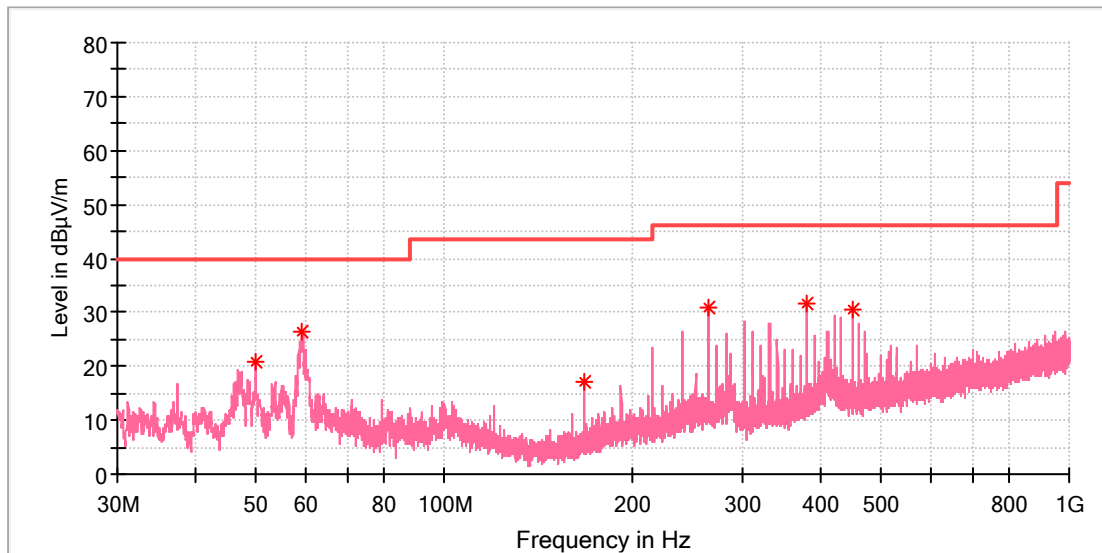


11N40SISO Ant1 2452_1000~26500



EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 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)
49.996923	20.89	40.00	19.11	100.0	V	168.0	-18.6
59.361154	26.42	40.00	13.58	100.0	V	19.0	-19.2
168.001154	17.06	43.50	26.44	100.0	V	233.0	-21.7
263.993846	30.82	46.00	15.18	100.0	V	243.0	-17.4
381.140000	31.73	46.00	14.27	100.0	V	283.0	-14.5
450.457692	30.51	46.00	15.49	100.0	V	19.0	-13.3

Final Result

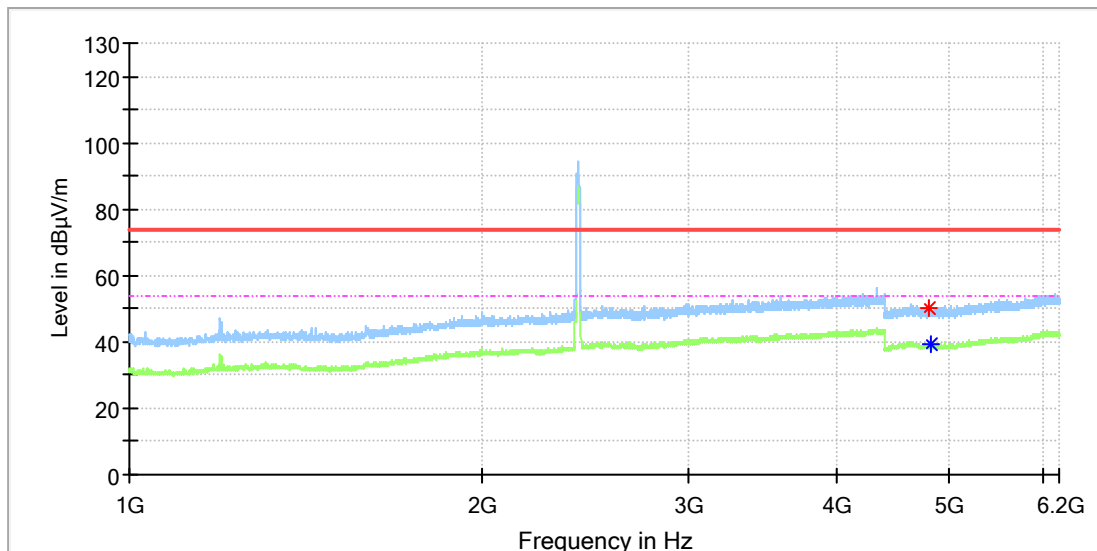
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

Note: The highest waveform in the figure is Wi-Fi Fundamental.

EUT Information

EUT Name:	Lawn Mowing Robot
Model:	MPB14
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168459797/A003634855-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

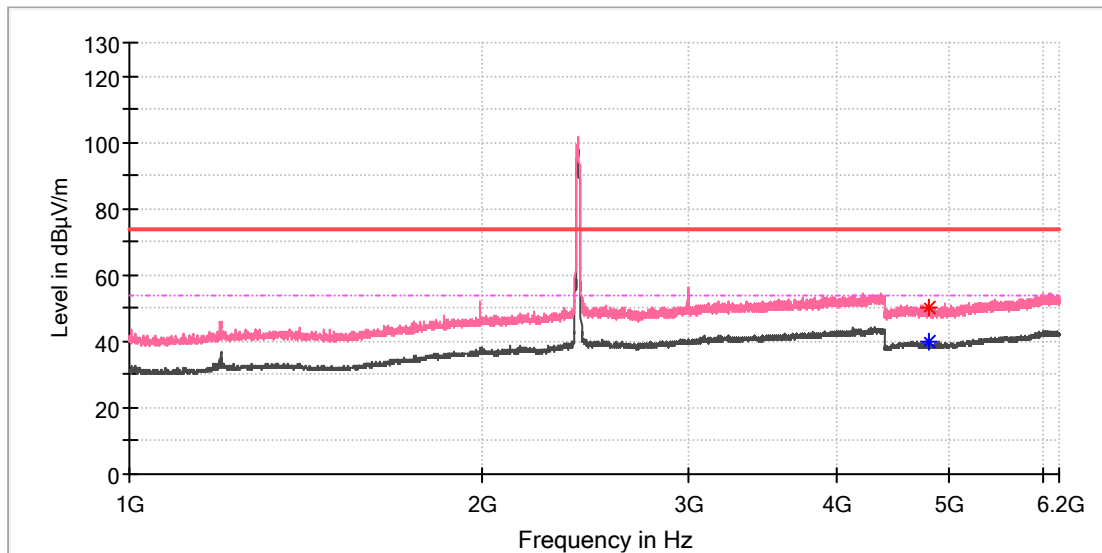
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4809.000000	50.48	---	74.00	23.52	150.0	H	359.0	11.8
4820.000000	---	39.35	54.00	14.65	150.0	H	278.0	11.8

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

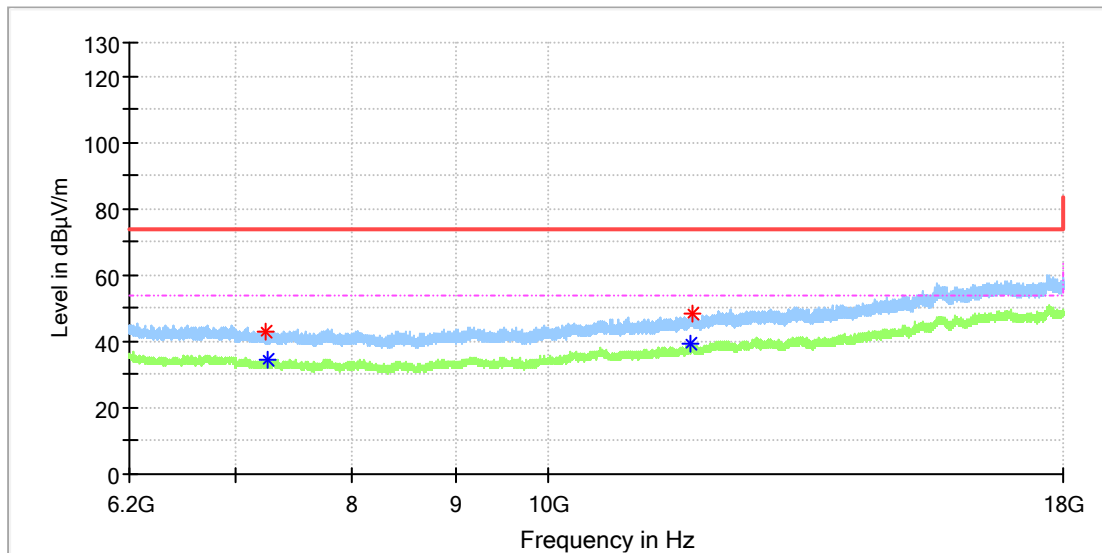
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	50.29	---	74.00	23.71	150.0	V	134.0	11.8
4808.500000	---	39.98	54.00	14.02	150.0	V	340.0	11.8

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

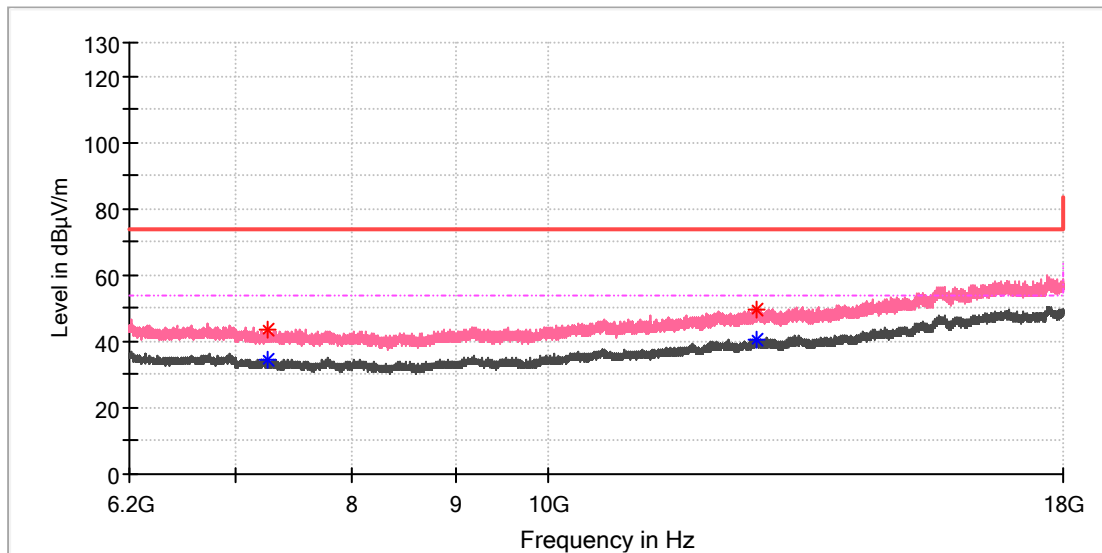
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7248.725000	42.81	---	74.00	31.19	150.0	H	308.0	8.5
7254.133333	---	34.70	54.00	19.30	150.0	H	139.0	8.5
11756.816667	---	39.33	54.00	14.67	150.0	H	150.0	13.4
11783.858333	48.31	---	74.00	25.69	150.0	H	200.0	13.4

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

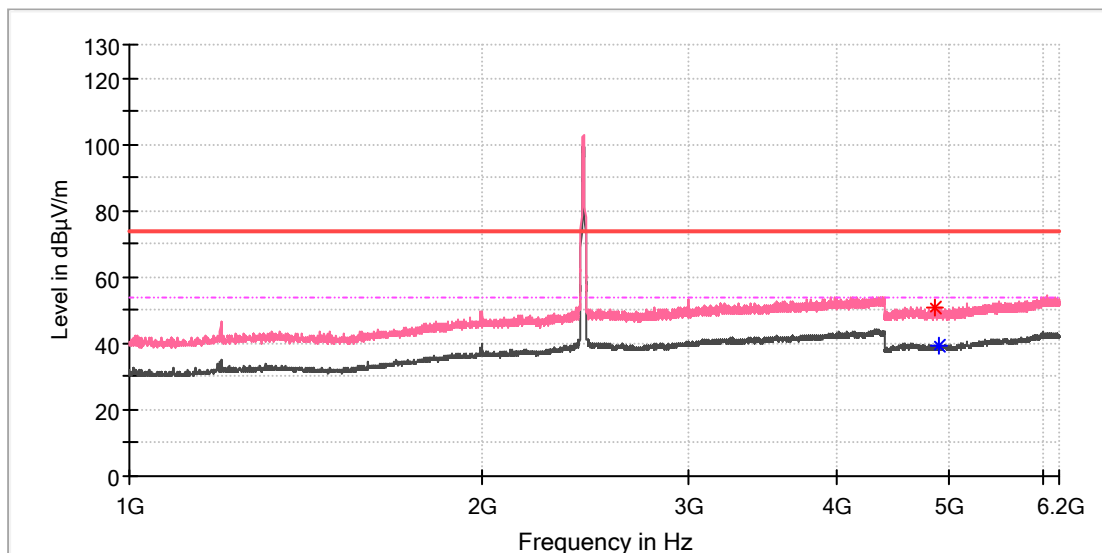
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7265.933333	43.73	---	74.00	30.27	150.0	V	187.0	8.5
7266.916667	---	34.46	54.00	19.54	150.0	V	101.0	8.5
12681.641667	---	40.33	54.00	13.67	150.0	V	187.0	15.1
12693.933333	49.71	---	74.00	24.29	150.0	V	199.0	15.1

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

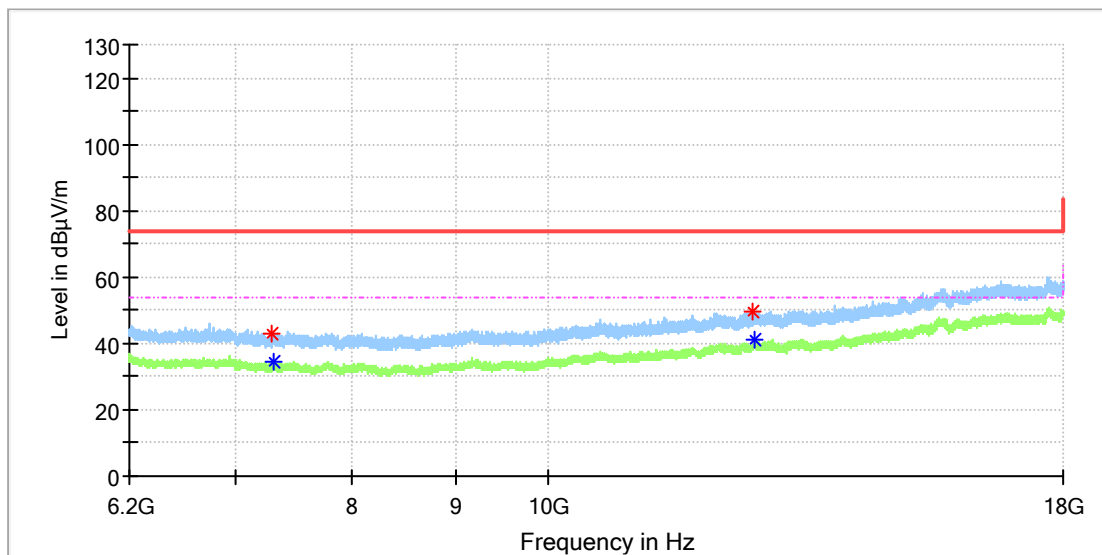
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4858.000000	50.90	---	74.00	23.10	150.0	V	259.0	11.8
4899.000000	---	39.38	54.00	14.62	150.0	V	300.0	11.8

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

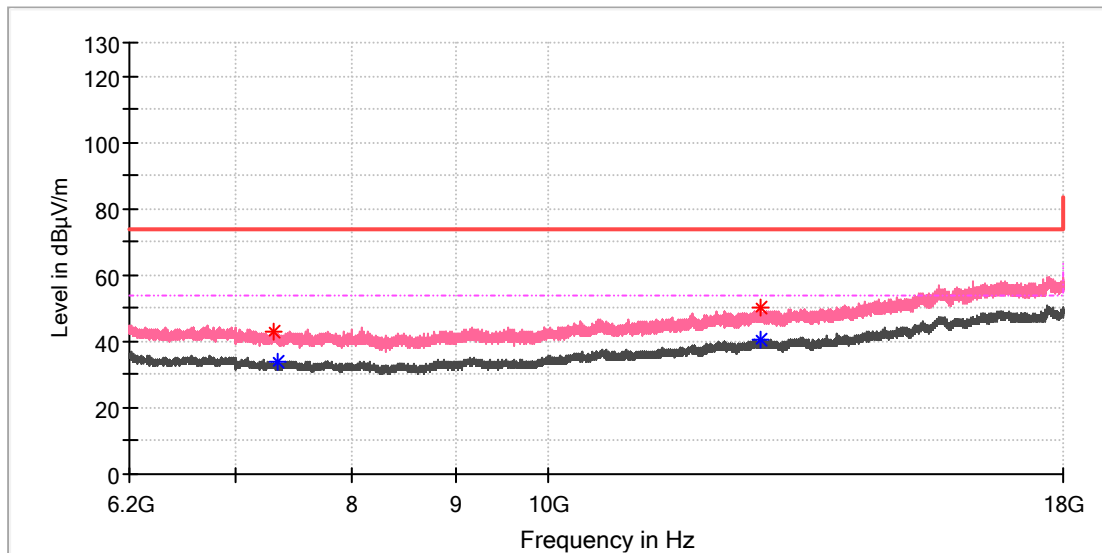
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7291.500000	42.85	---	74.00	31.15	150.0	H	164.0	8.3
7316.575000	---	34.31	54.00	19.69	150.0	H	235.0	8.2
12640.341667	49.61	---	74.00	24.40	150.0	H	33.0	15.0
12669.841667	---	40.88	54.00	13.12	150.0	H	175.0	15.1

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

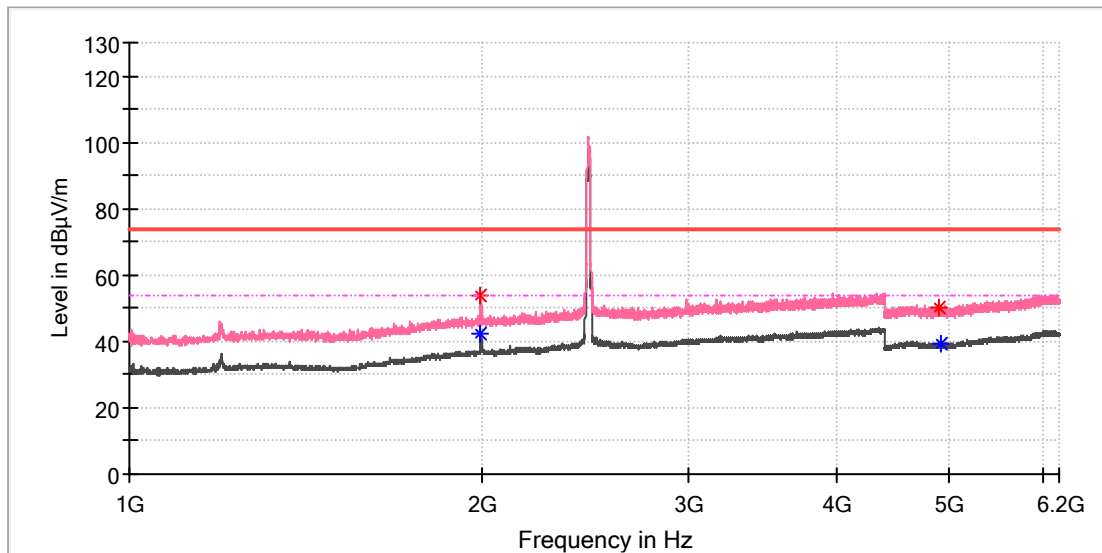
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7302.316667	43.09	---	74.00	30.91	150.0	V	282.0	8.3
7335.258333	---	33.67	54.00	20.33	150.0	V	0.0	8.1
12734.250000	---	40.58	54.00	13.42	150.0	V	49.0	15.2
12740.641667	50.03	---	74.00	23.97	150.0	V	21.0	15.2

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

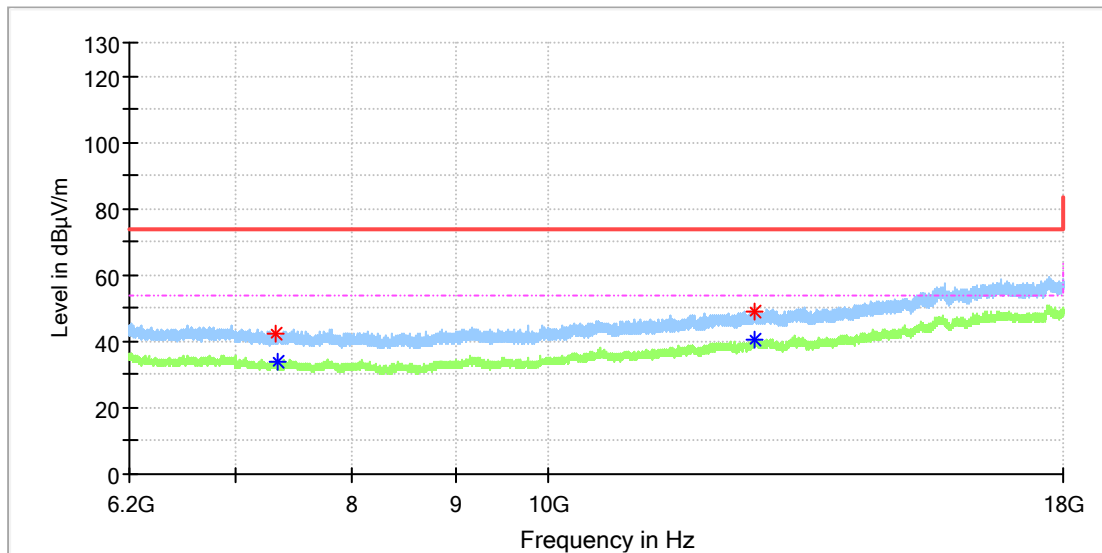
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1993.500000	53.96	---	74.00	20.04	150.0	V	279.0	6.0
1993.500000	---	42.14	54.00	11.86	150.0	V	279.0	6.0
4901.000000	50.36	---	74.00	23.64	150.0	V	183.0	11.8
4924.000000	---	39.10	54.00	14.90	150.0	V	293.0	11.8

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

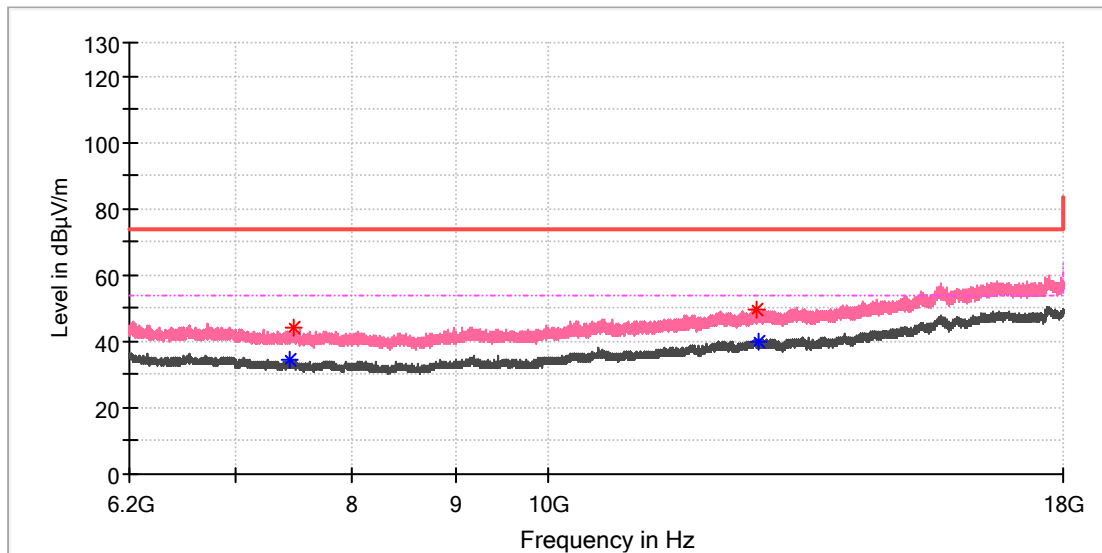
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7323.950000	42.57	---	74.00	31.43	150.0	H	70.0	8.2
7337.225000	---	33.57	54.00	20.43	150.0	H	70.0	8.1
12647.225000	---	40.44	54.00	13.56	150.0	H	5.0	15.0
12663.941667	49.27	---	74.00	24.73	150.0	H	0.0	15.0

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

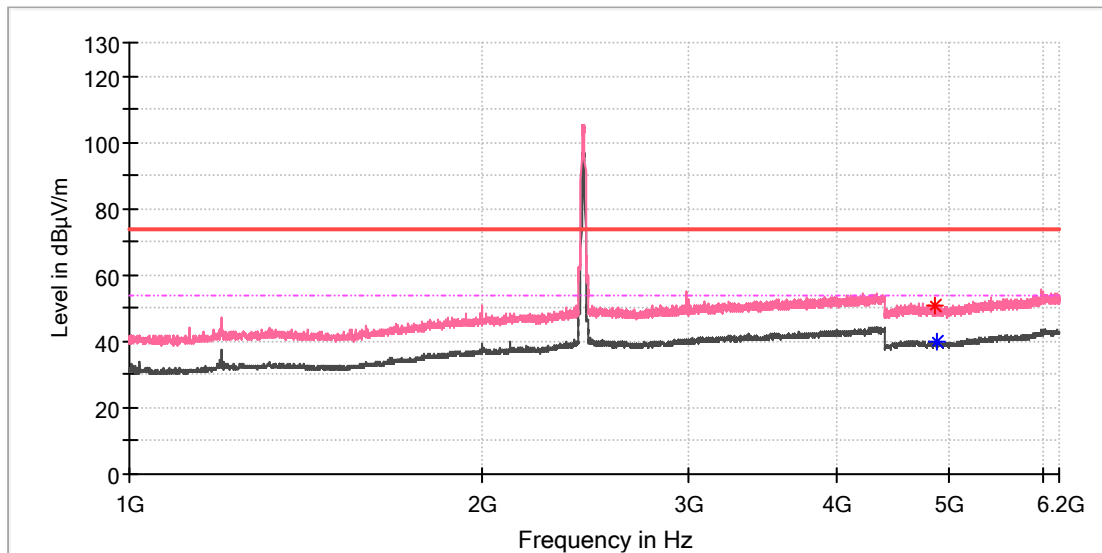
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7446.866667	---	34.19	54.00	19.81	150.0	V	45.0	8.5
7476.366667	43.92	---	74.00	30.08	150.0	V	153.0	8.6
12678.200000	49.59	---	74.00	24.41	150.0	V	80.0	15.1
12725.891667	---	40.13	54.00	13.87	150.0	V	189.0	15.2

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

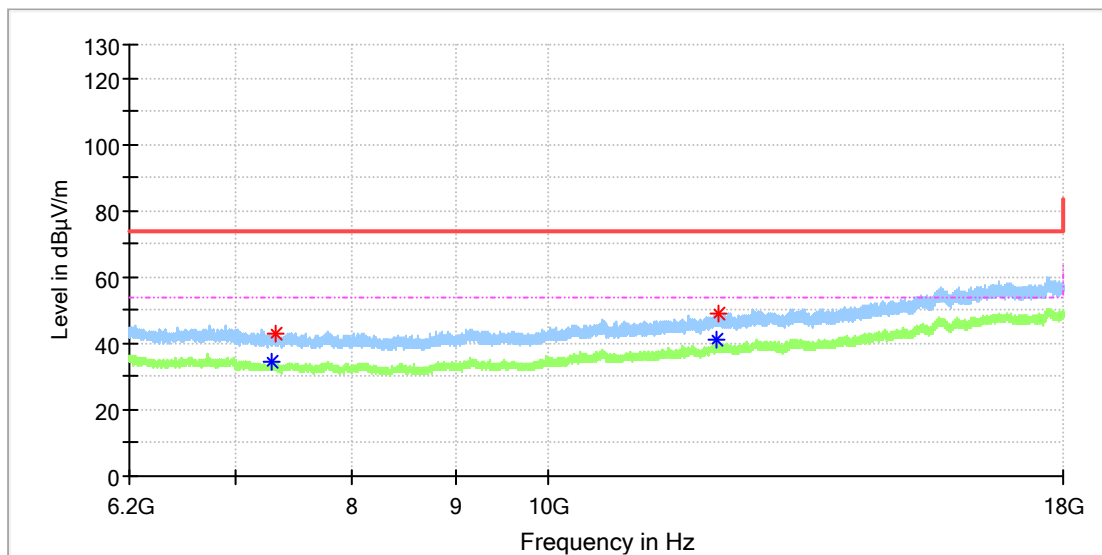
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4862.500000	50.58	---	74.00	23.42	150.0	V	0.0	11.8
4873.500000	---	39.64	54.00	14.36	150.0	V	310.0	11.8

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

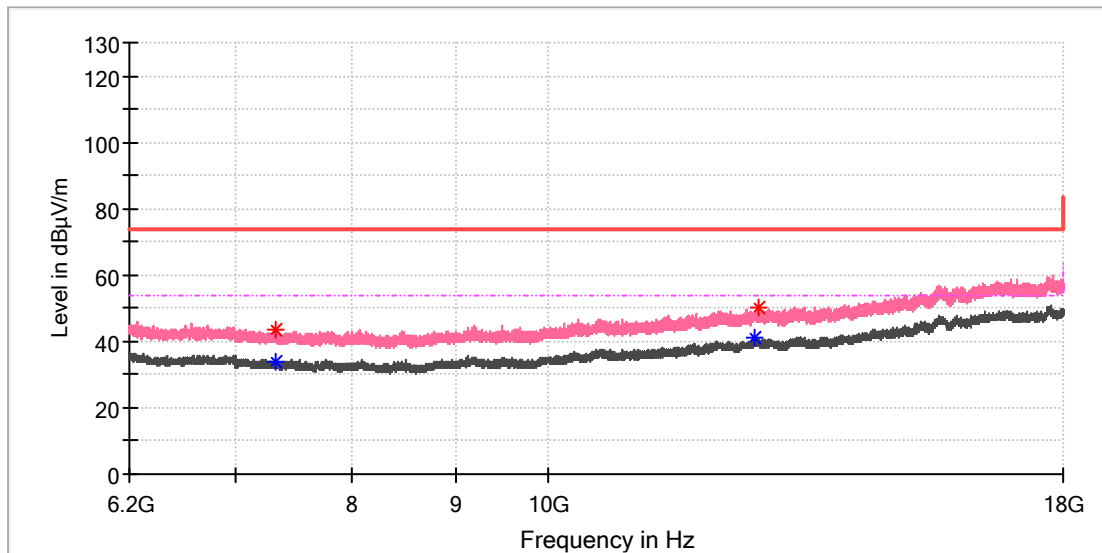
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7299.858333	---	34.26	54.00	19.74	150.0	H	2.0	8.3
7318.541667	42.99	---	74.00	31.01	150.0	H	25.0	8.2
12123.600000	---	40.97	54.00	13.03	150.0	H	144.0	14.3
12145.725000	49.18	---	74.00	24.82	150.0	H	264.0	14.4

Final Result

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

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

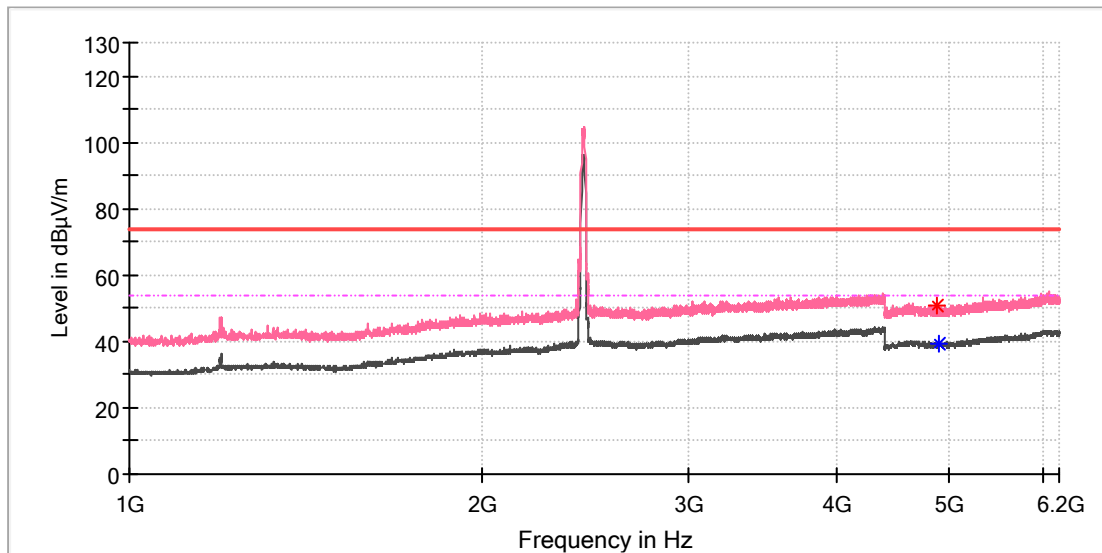
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	43.35	---	74.00	30.65	150.0	V	97.0	8.2
7327.391667	---	34.16	54.00	19.84	150.0	V	358.0	8.1
12646.733333	---	41.15	54.00	12.85	150.0	V	338.0	15.0
12725.891667	50.06	---	74.00	23.94	150.0	V	230.0	15.2

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

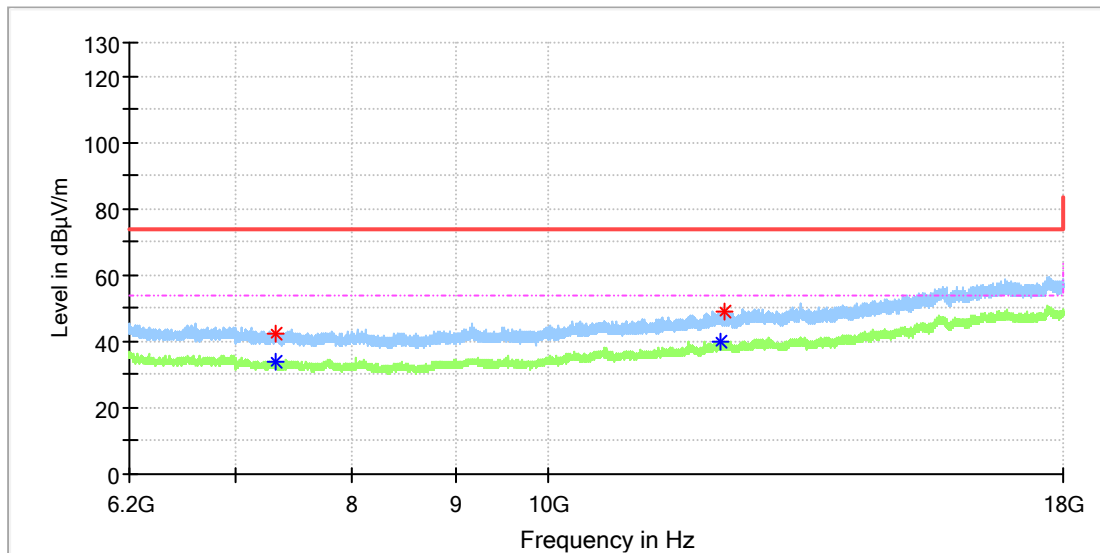
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.000000	50.68	---	74.00	23.32	150.0	V	228.0	11.8
4894.500000	---	39.37	54.00	14.63	150.0	V	305.0	11.8

Final Result

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

EUT Information

EUT Name:	Lawn Mowing Robot
Model:	MPB14
Test Mode:	WIFI 2.4G_11n20_Ch6
Order No/Sample No:	168459797/A003634855-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

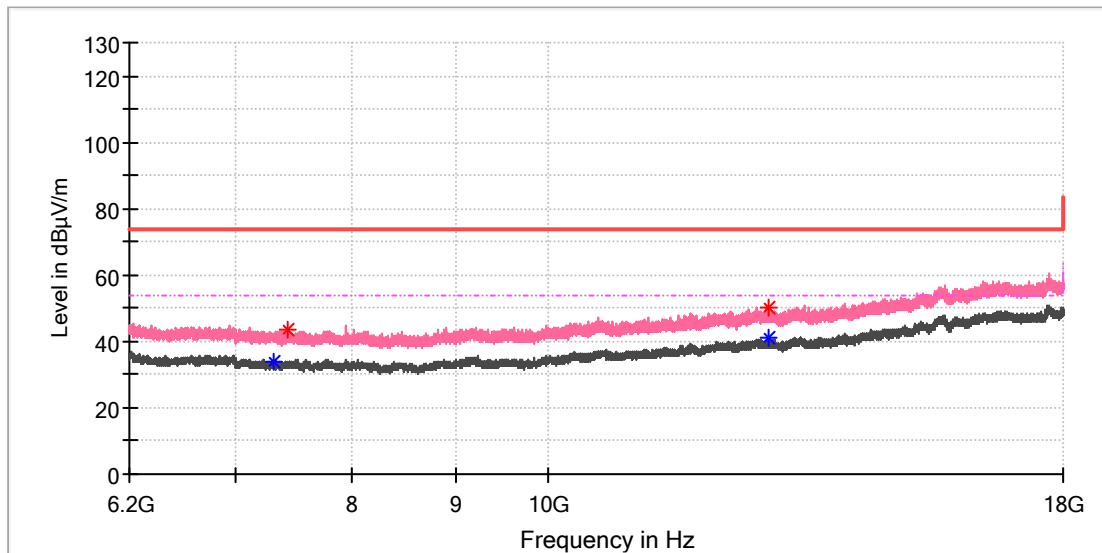
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7324.441667	---	33.88	54.00	20.12	150.0	H	15.0	8.2
7325.425000	42.27	---	74.00	31.73	150.0	H	278.0	8.2
12166.866667	---	40.17	54.00	13.83	150.0	H	0.0	14.5
12241.108333	48.69	---	74.00	25.31	150.0	H	133.0	14.7

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

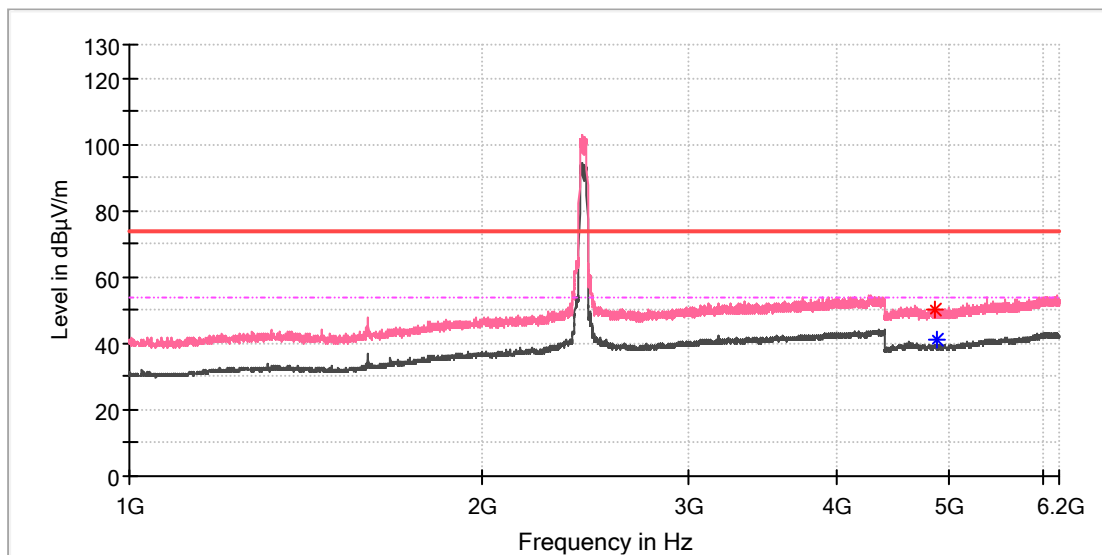
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.675000	---	34.10	54.00	19.90	150.0	V	194.0	8.2
7420.316667	43.78	---	74.00	30.22	150.0	V	123.0	8.4
12865.033333	49.96	---	74.00	24.04	150.0	V	301.0	15.4
12873.883333	---	40.93	54.00	13.07	150.0	V	313.0	15.4

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

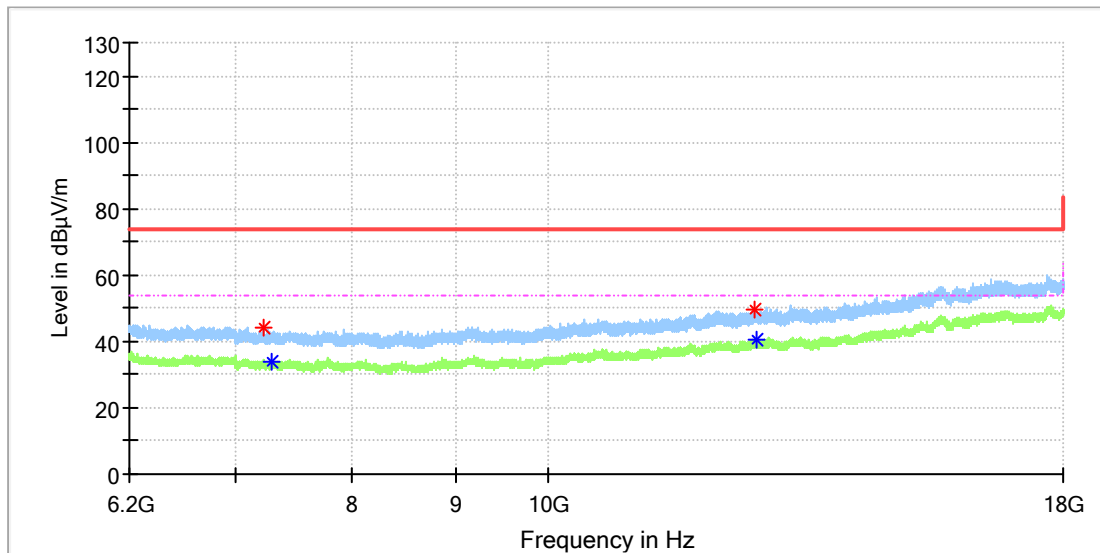
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4857.500000	50.14	---	74.00	23.86	150.0	V	73.0	11.8
4874.000000	---	41.09	54.00	12.91	150.0	V	301.0	11.8

Final Result

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

EUT Information

EUT Name:	Lawn Mowing Robot
Model:	MPB14
Test Mode:	WIFI 2.4G_11n40_Ch6
Order No/Sample No:	168459797/A003634855-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

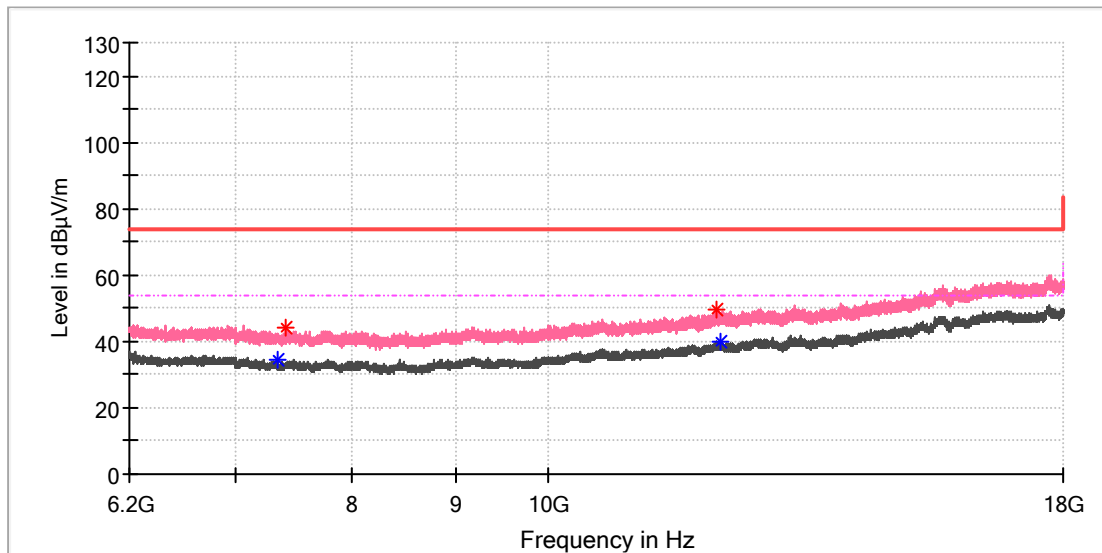
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.466667	44.33	---	74.00	29.67	150.0	H	156.0	8.6
7299.858333	---	34.11	54.00	19.89	150.0	H	298.0	8.3
12653.616667	49.51	---	74.00	24.49	150.0	H	248.0	15.0
12683.608333	---	40.37	54.00	13.63	150.0	H	248.0	15.1

Final Result

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

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 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)
7335.750000	---	34.17	54.00	19.83	150.0	V	0.0	8.1
7414.908333	43.86	---	74.00	30.14	150.0	V	156.0	8.3
12127.533333	49.55	---	74.00	24.45	150.0	V	278.0	14.3
12177.191667	---	40.06	54.00	13.94	150.0	V	10.0	14.6

Final Result

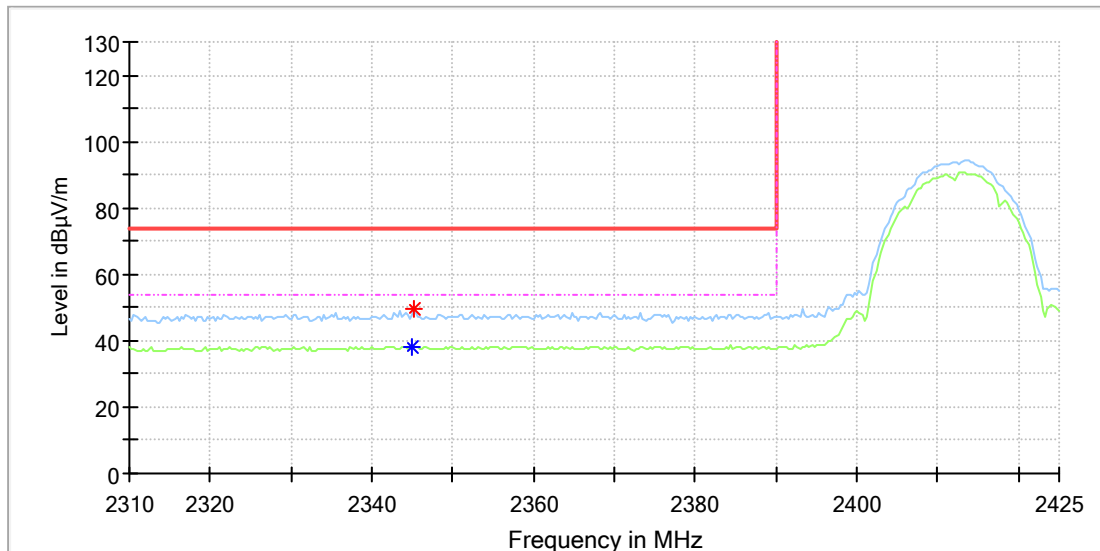
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	Lawn Mowing Robot
Model:	MPB14
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168459797/A003634855-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
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)
2345.000000	---	38.22	54.00	15.78	150.0	H	1.0	6.9
2345.294118	49.40	---	74.00	24.60	150.0	H	290.0	6.9

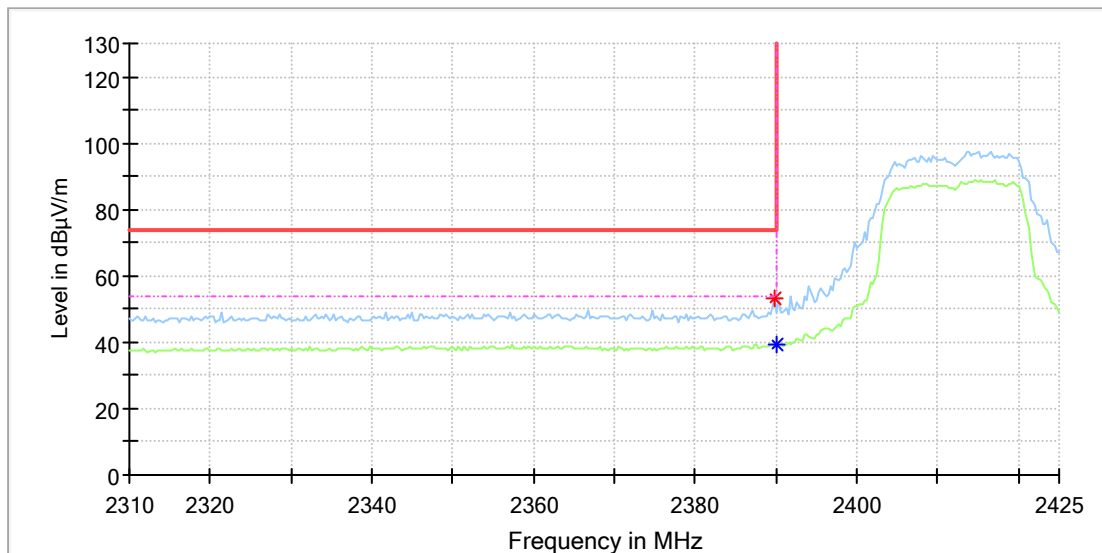
Final_Result

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

Wi-Fi 802.11 g mode

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 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)
2389.705882	52.92	---	74.00	21.08	150.0	H	348.0	7.0
2390.000000	---	39.48	54.00	14.52	150.0	H	5.0	7.0

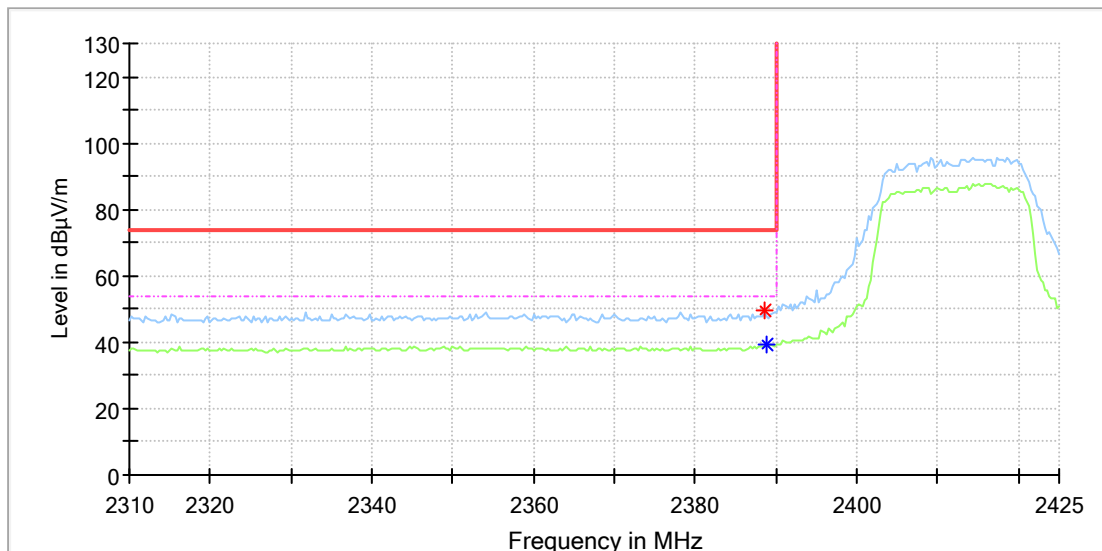
Final Result

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

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 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)
2388.529412	49.35	---	74.00	24.65	150.0	H	0.0	7.0
2388.823529	---	39.30	54.00	14.70	150.0	H	131.0	7.0

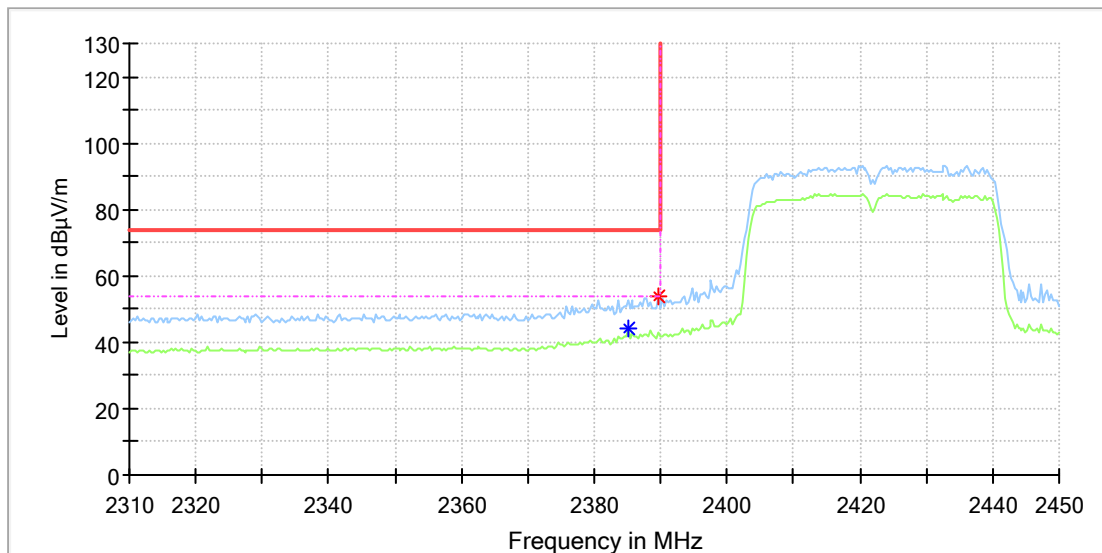
Final Result

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

Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name: Lawn Mowing Robot
 Model: MPB14
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168459797/A003634855-001
 Test Voltage: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

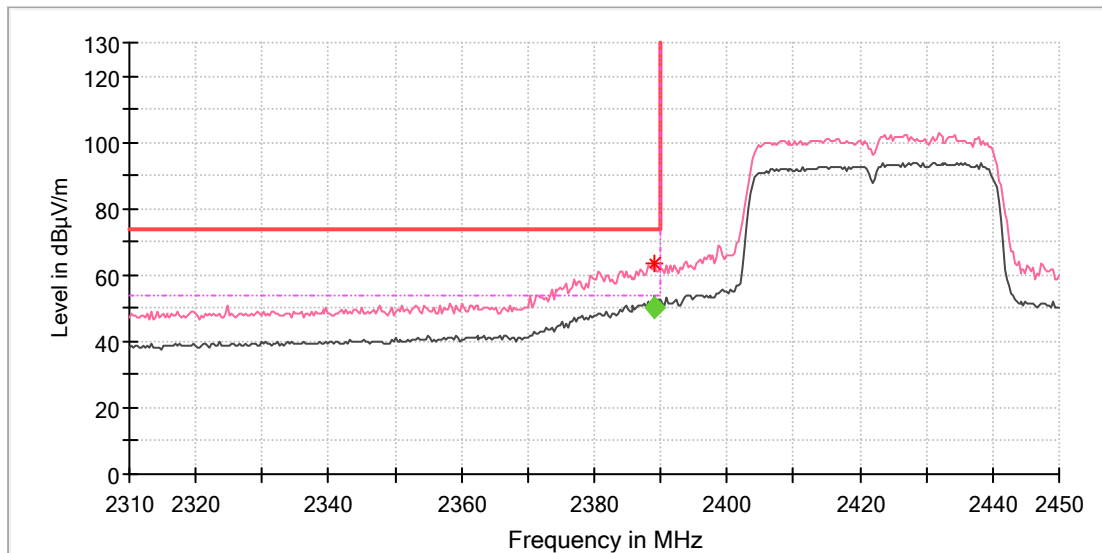
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.000000	---	43.99	54.00	10.01	150.0	H	0.0	7.0
2389.705882	53.53	---	74.00	20.47	150.0	H	0.0	7.0

Final Result

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

EUT Information

EUT Name:	Lawn Mowing Robot
Model:	MPB14
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168459797/A003634855-001
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
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)
2389.117647	63.67	---	74.00	10.33	150.0	V	40.0	7.0

Final Result

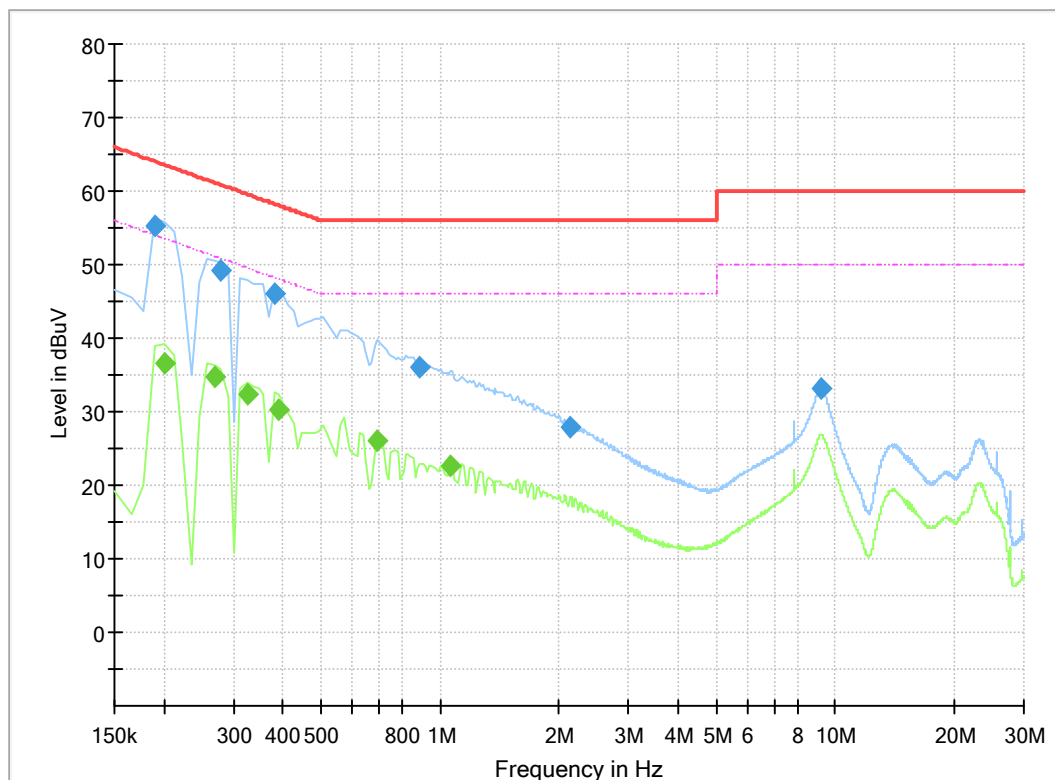
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.117647	50.47	54.00	3.53	145.0	V	39.0	7.0

Appendix A.7: Test Results of Conducted Emission on AC Mains

Common Information

EUT Name: Lawn Mowing Robot
 Order Number: 168459797
 Model: MPB14
 Test Mode: Charging by Base with Wireless communicating
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Junhua Sun/ Gary Chen
 Tem./Hum./Pressure: 25.0°C/51.2%/101kPa
 Remark: SR1

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Comment
0.189375	55.27	64.06	8.79	1000.0	9.000	L1	10.4	
0.279375	49.27	60.83	11.57	1000.0	9.000	L1	10.4	
0.380625	46.02	58.27	12.25	1000.0	9.000	L1	10.5	
0.886875	35.96	56.00	20.04	1000.0	9.000	L1	10.7	
2.135625	27.95	56.00	28.05	1000.0	9.000	L1	10.3	
9.200625	33.10	60.00	26.90	1000.0	9.000	L1	11.0	

Final Result CAV

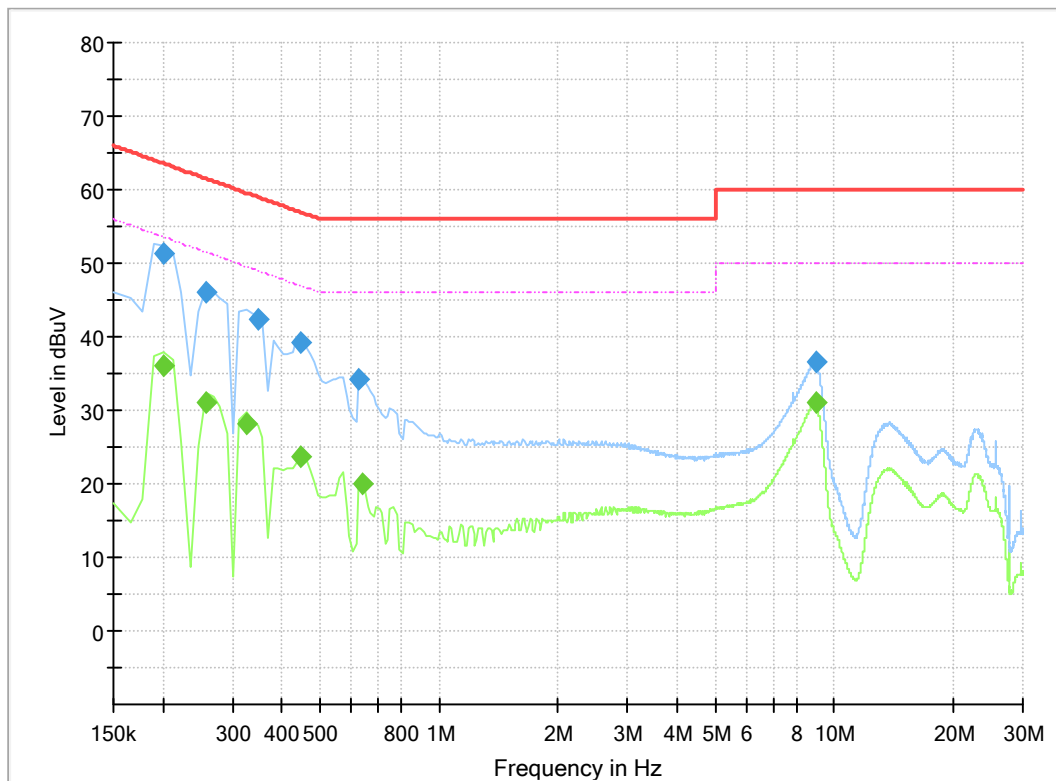
Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Comment
0.200625	36.62	53.59	16.96	1000.0	9.000	L1	10.4	
0.268125	34.65	51.18	16.53	1000.0	9.000	L1	10.4	
0.324375	32.41	49.59	17.18	1000.0	9.000	L1	10.5	

0.391875	30.31	48.02	17.71	1000.0	9.000	L1	10.5	
0.695625	26.03	46.00	19.97	1000.0	9.000	L1	10.4	
1.066875	22.68	46.00	23.32	1000.0	9.000	L1	10.9	

Common Information

EUT Name: Lawn Mowing Robot
 Order Number: 168459797
 Model: MPB14
 Test Mode: Charging by Base with Wireless communicating
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15B
 Test By./Review By: Junhua Sun/ Gary Chen
 Tem./Hum./Pressure: 25.0°C/51.2%/101kPa
 Remark: SR1

Full Spectrum



Final Result QPK

Frequency (MHz)	QuasiPeak (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Comment
0.200625	51.26	63.59	12.33	1000.0	9.000	N	11.0	
0.256875	46.13	61.53	15.40	1000.0	9.000	N	10.8	
0.346875	42.34	59.04	16.70	1000.0	9.000	N	10.6	
0.448125	39.23	56.91	17.68	1000.0	9.000	N	10.4	
0.628125	34.30	56.00	21.70	1000.0	9.000	N	10.5	
8.964375	36.61	60.00	23.39	1000.0	9.000	N	11.1	

Final Result CAV

Frequency (MHz)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Comment
0.200625	36.12	53.59	17.47	1000.0	9.000	N	11.0	
0.256875	30.93	51.53	20.60	1000.0	9.000	N	10.8	
0.324375	28.17	49.59	21.42	1000.0	9.000	N	10.6	
0.448125	23.63	46.91	23.28	1000.0	9.000	N	10.4	
0.639375	19.88	46.00	26.12	1000.0	9.000	N	10.5	
8.953125	31.09	50.00	18.91	1000.0	9.000	N	11.1	