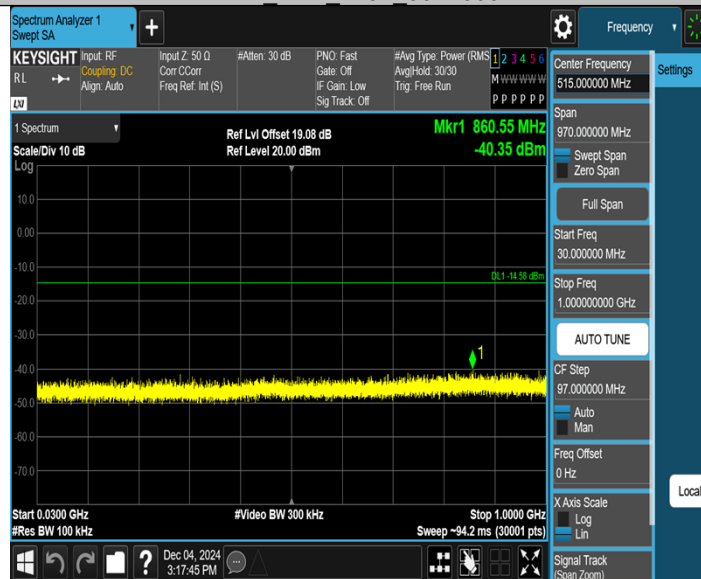


11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



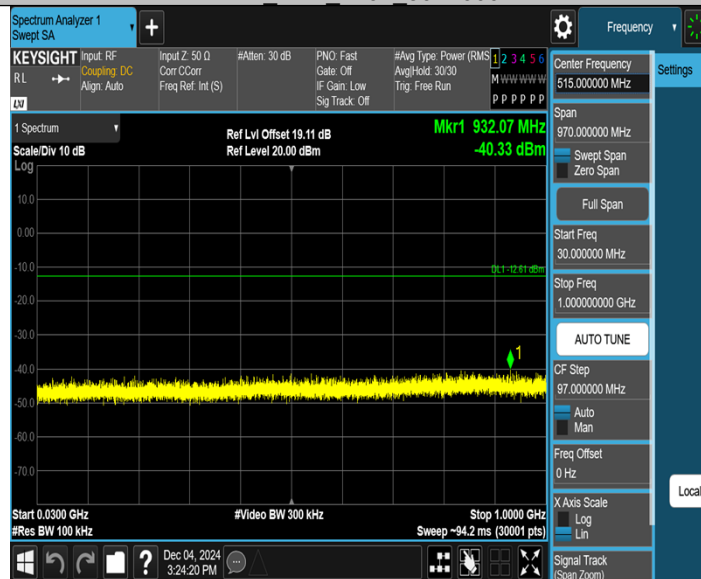
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



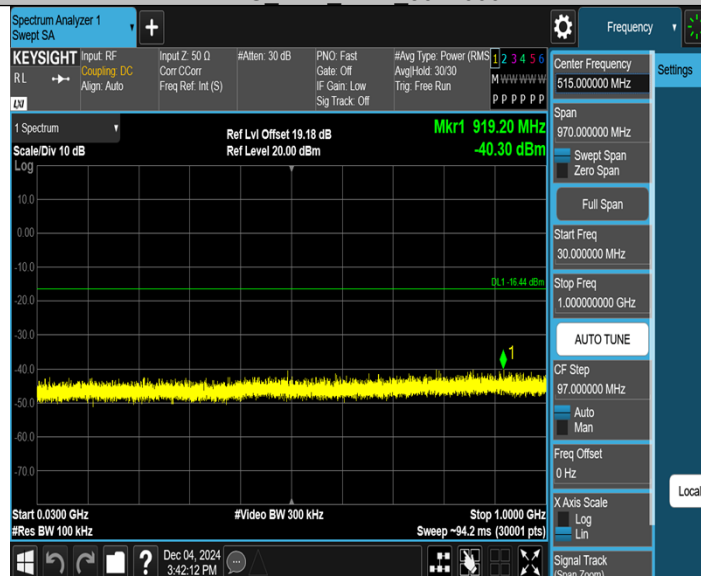
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



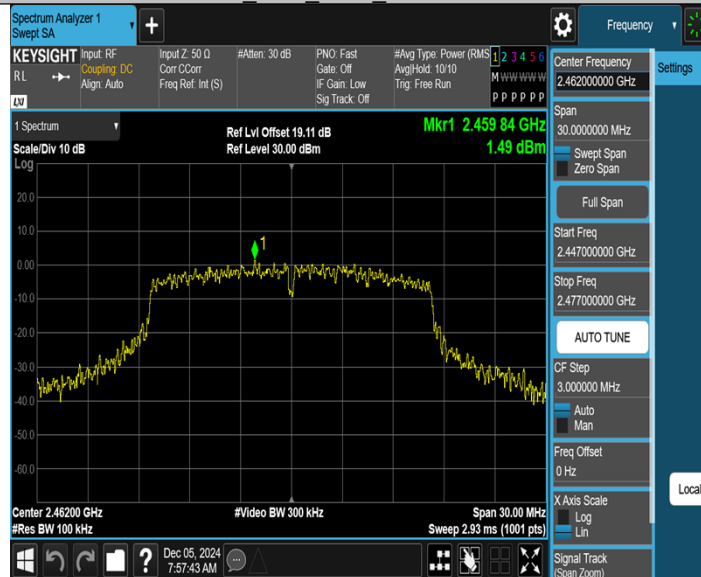
11G_Ant1_2437_30~1000



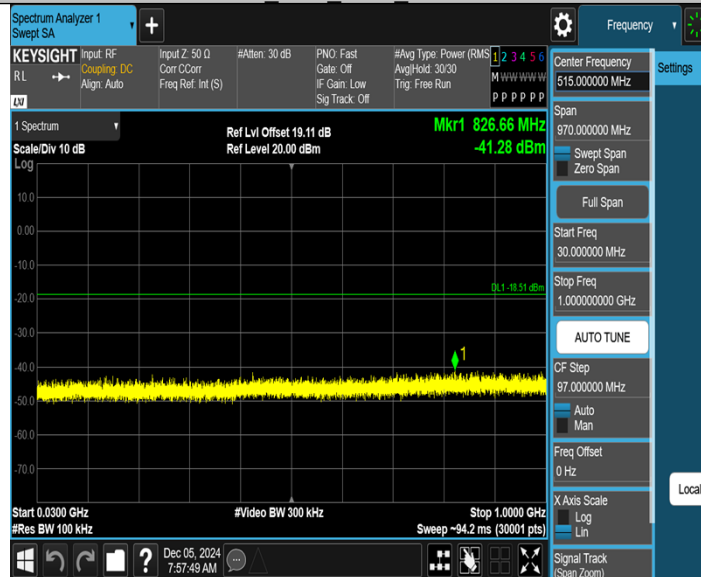
11G_Ant1_2437_1000~26500



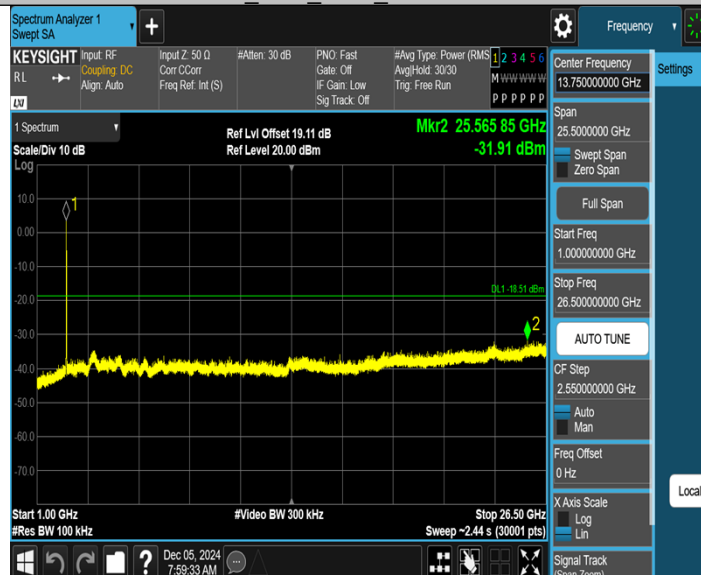
11G_Ant1_2462_0~Reference



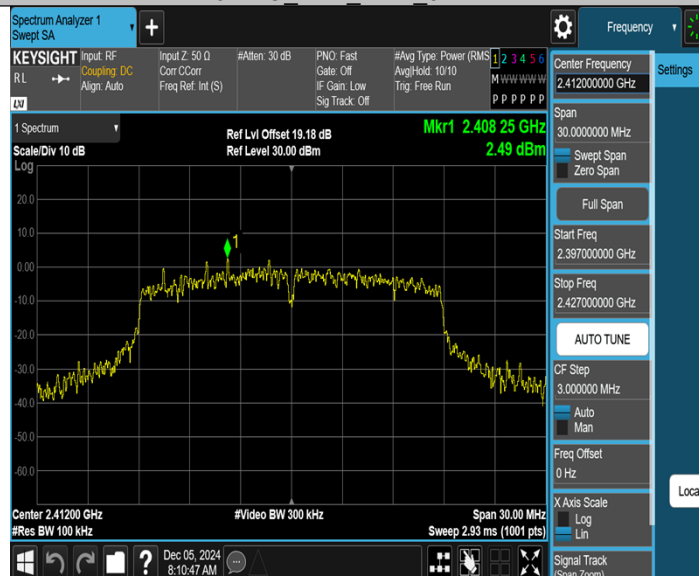
11G_Ant1_2462_30~1000



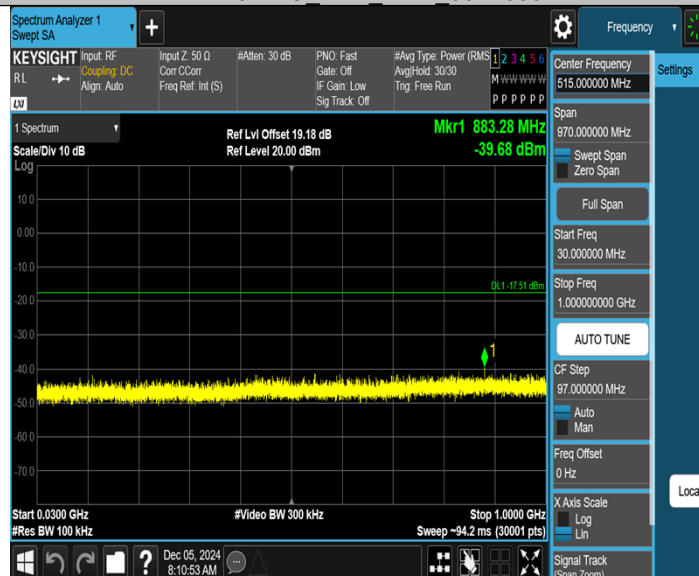
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



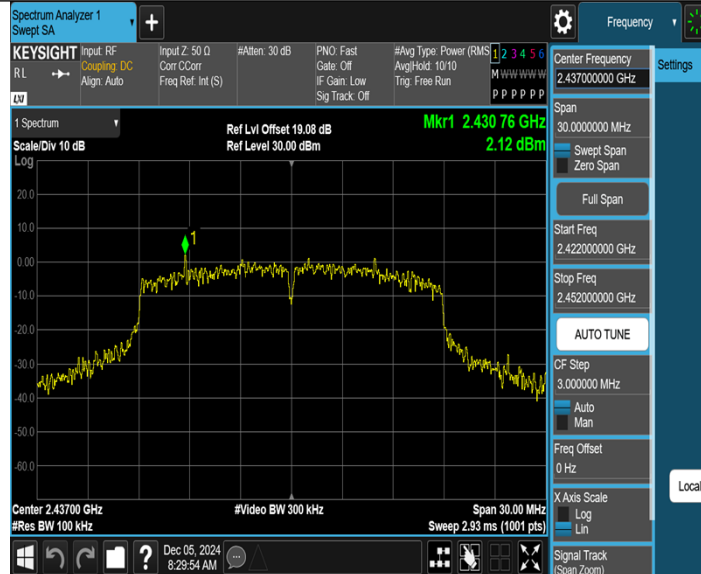
11N20SISO_Ant1_2412_30~1000



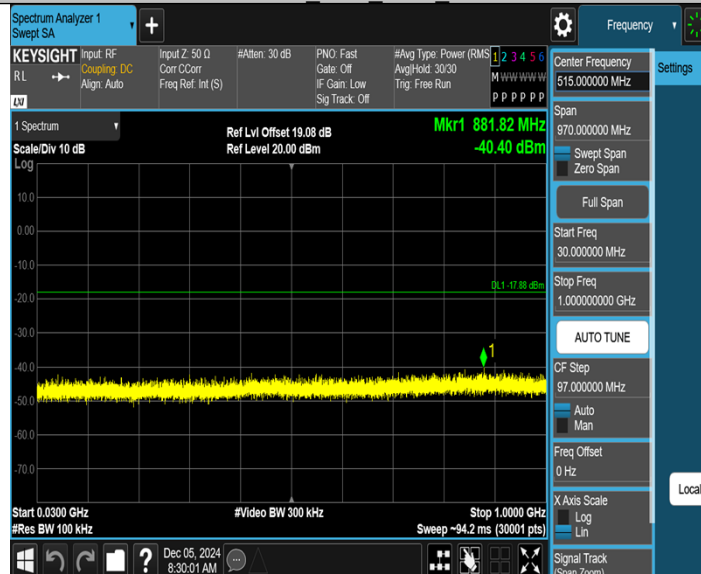
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500





Appendix A.5: Test Results of Radiated Spurious Emissions

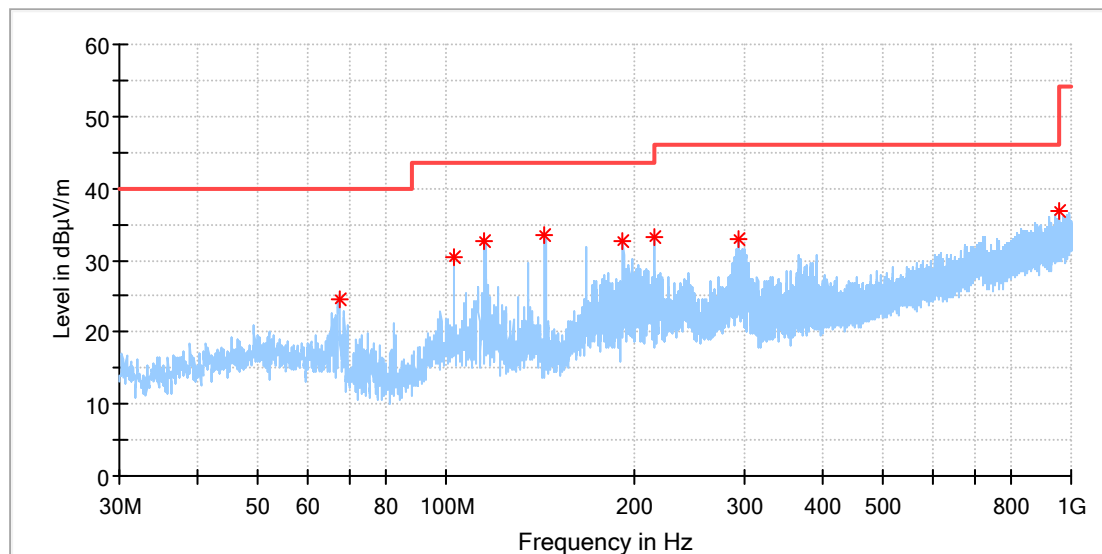
Note:

- 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.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

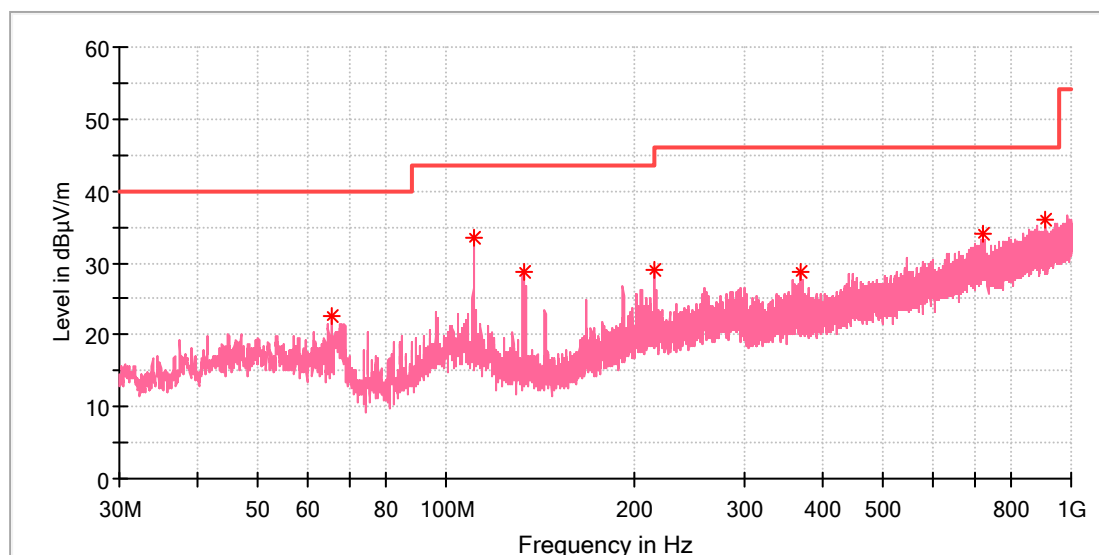
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
67.382308	24.68	40.00	15.32	100.0	H	123.0	-21.1
102.973846	30.54	43.50	12.96	100.0	H	25.0	-19.0
115.360000	32.61	43.50	10.89	100.0	H	123.0	-19.9
144.012308	33.44	43.50	10.06	100.0	H	163.0	-22.4
192.027308	32.58	43.50	10.92	100.0	H	197.0	-19.5
216.016154	33.07	46.00	12.93	100.0	H	340.0	-18.7
293.466923	32.84	46.00	13.16	100.0	H	156.0	-16.4
959.633077	36.90	46.00	9.10	100.0	H	279.0	-4.1

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
 Model: PRX9
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168513747/A003916704-001
 Test Voltage:: Battery
 Remark: Temp 23 Humi:53%
 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)
65.516923	22.63	40.00	17.37	100.0	V	29.0	-20.4
110.584615	33.36	43.50	10.14	100.0	V	103.0	-19.3
132.820000	28.80	43.50	14.70	100.0	V	312.0	-22.1
216.016154	29.09	46.00	16.91	100.0	V	111.0	-18.7
369.089615	28.85	46.00	17.15	100.0	V	4.0	-14.4
720.938462	33.98	46.00	12.02	100.0	V	304.0	-7.5
906.208462	35.89	46.00	10.11	100.0	V	0.0	-4.7

Final_Result

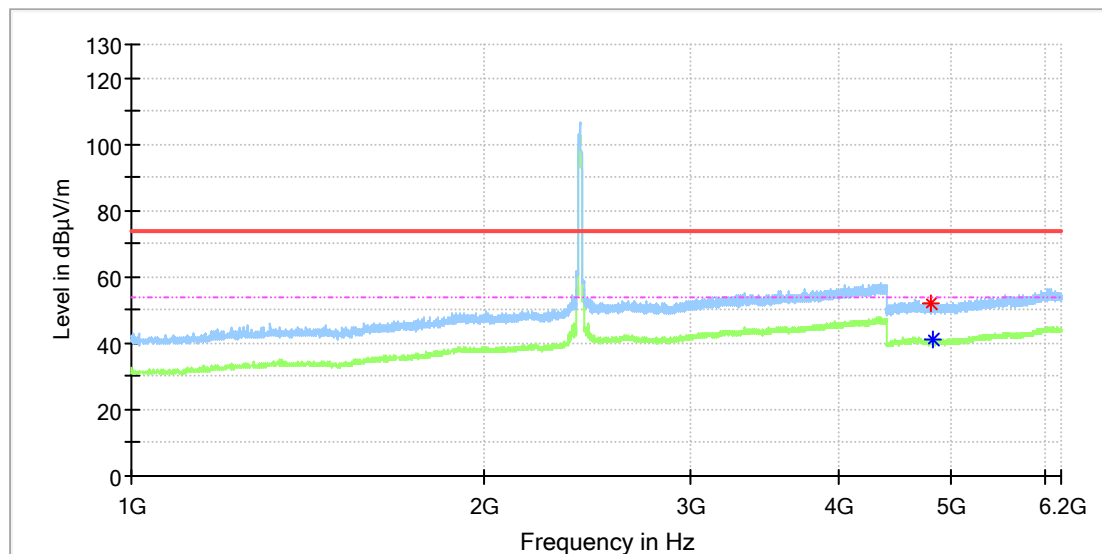
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

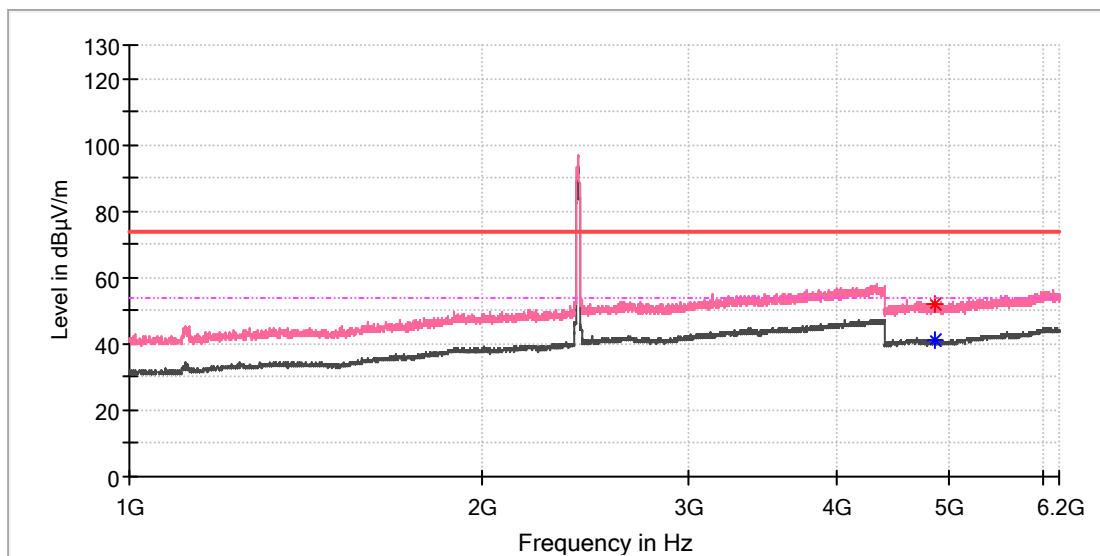
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.500000	51.82	---	74.00	22.18	150.0	H	80.0	13.3
4822.000000	---	40.83	54.00	13.17	150.0	H	359.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

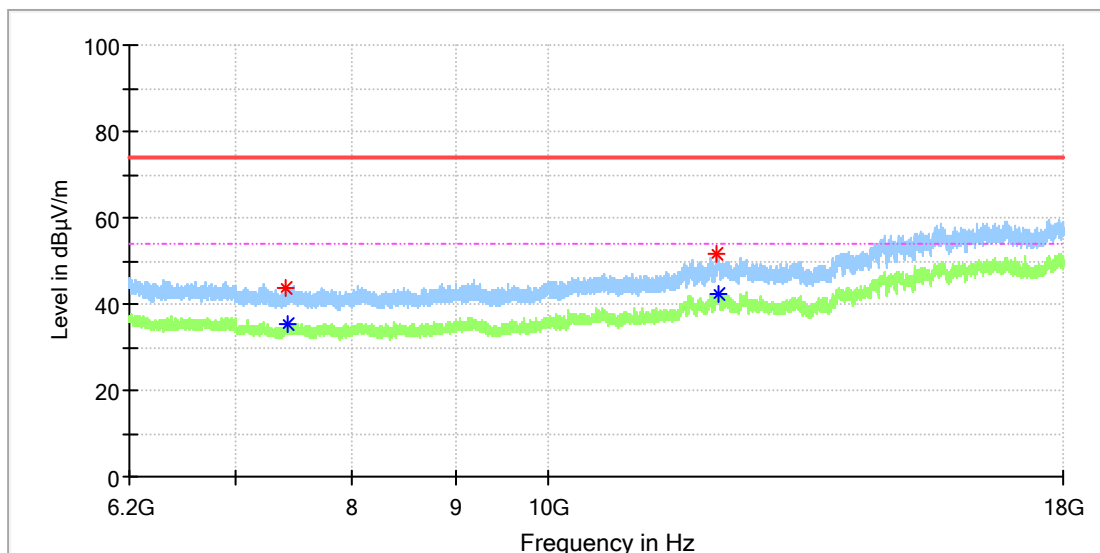
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4849.500000	51.87	---	74.00	22.13	150.0	V	342.0	13.3
4865.500000	---	41.03	54.00	12.97	150.0	V	336.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

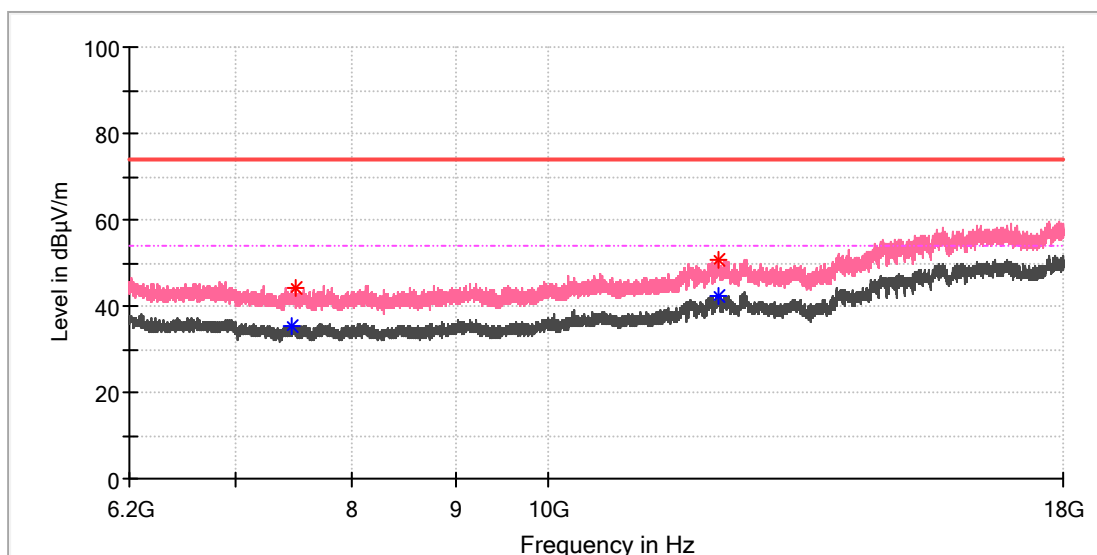
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7415.891667	43.94	---	74.00	30.06	150.0	H	300.0	8.3
7425.725000	---	35.36	54.00	18.64	150.0	H	142.0	8.4
12118.683333	51.45	---	74.00	22.55	150.0	H	233.0	15.9
12134.416667	---	42.36	54.00	11.64	150.0	H	265.0	16.3

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: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

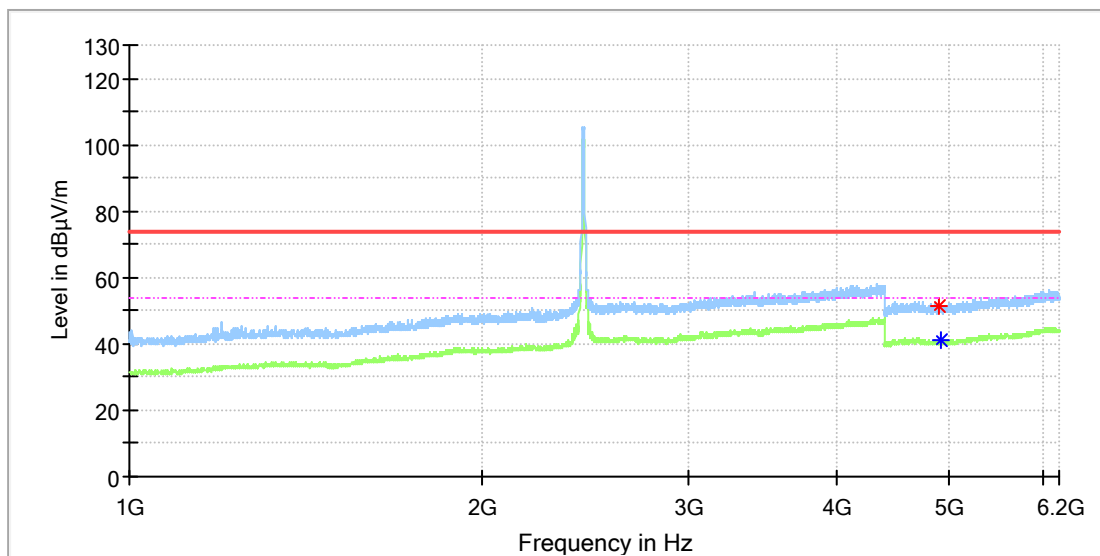
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7466.041667	---	35.45	54.00	18.55	150.0	V	318.0	8.6
7489.150000	43.99	---	74.00	30.01	150.0	V	154.0	8.7
12133.925000	---	42.55	54.00	11.45	150.0	V	154.0	16.3
12148.183333	50.66	---	74.00	23.34	150.0	V	0.0	16.7

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: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

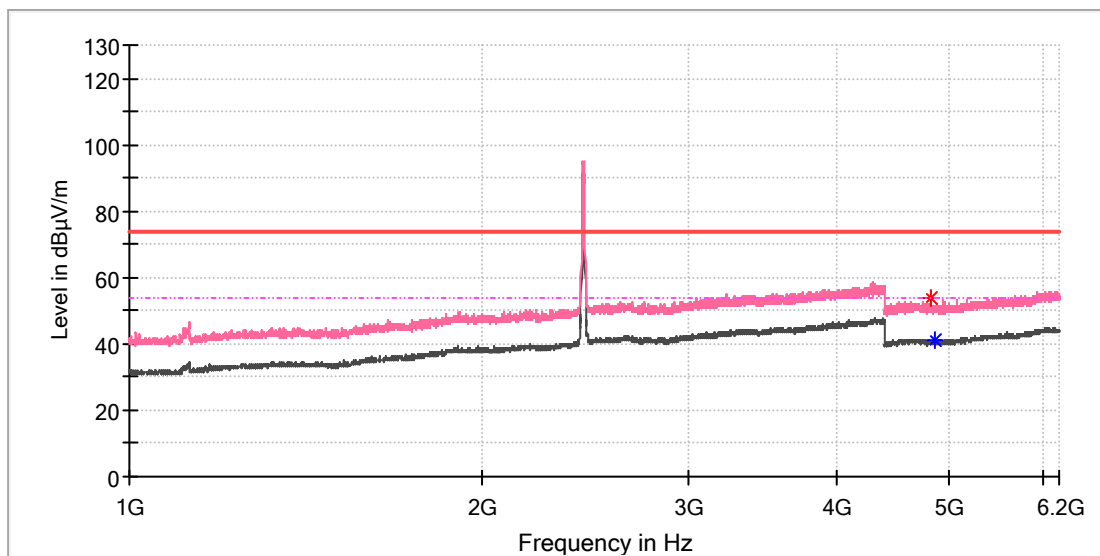
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4904.500000	51.65	---	74.00	22.35	150.0	H	263.0	13.3
4908.000000	---	40.99	54.00	13.01	150.0	H	209.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

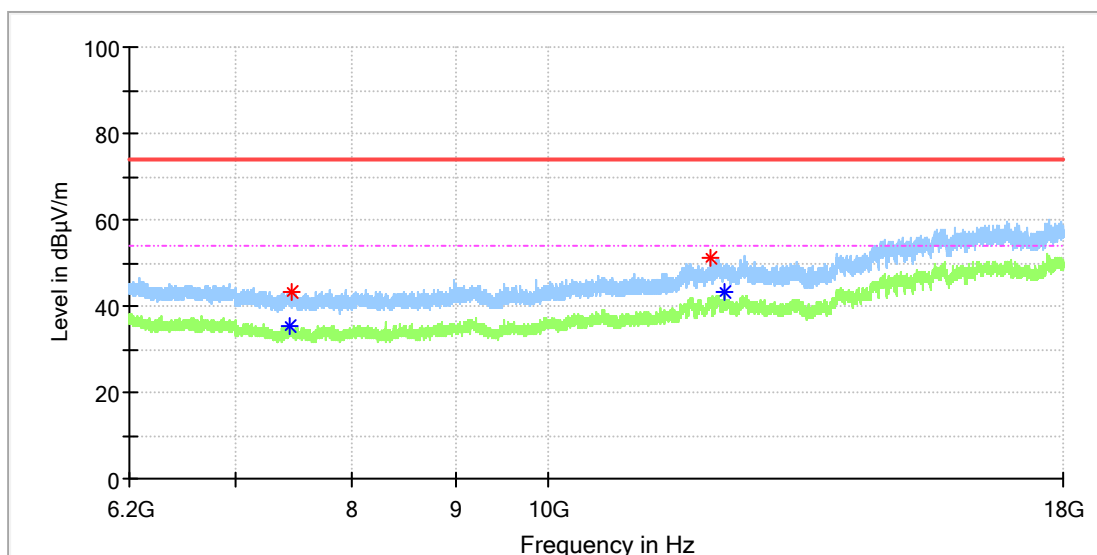
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4820.000000	53.57	---	74.00	20.43	150.0	V	96.0	13.3
4858.500000	---	40.89	54.00	13.11	150.0	V	10.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

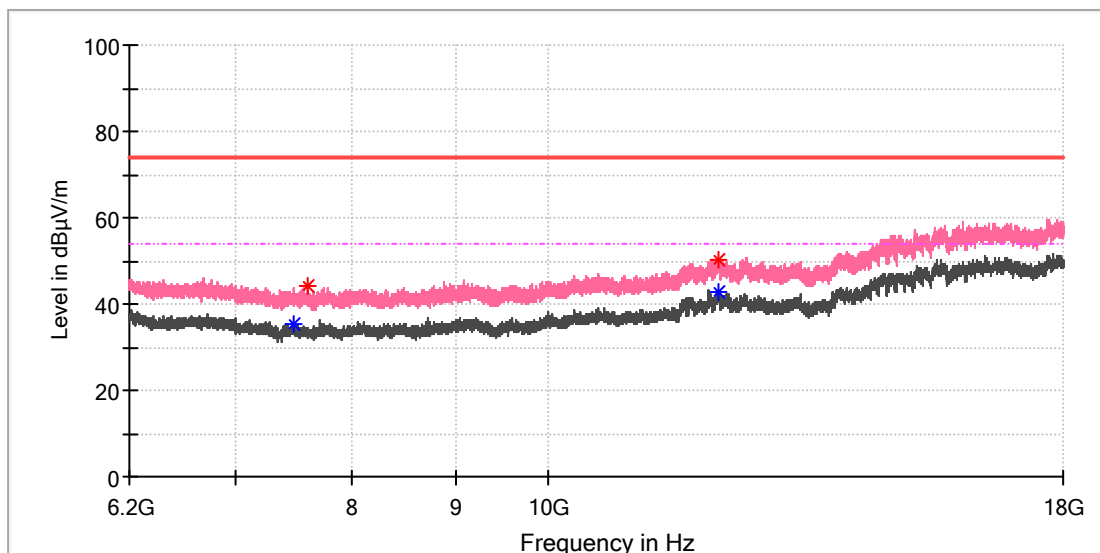
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7451.783333	---	35.51	54.00	18.49	150.0	H	331.0	8.5
7460.633333	43.48	---	74.00	30.52	150.0	H	202.0	8.5
12048.866667	51.09	---	74.00	22.91	150.0	H	84.0	16.4
12224.391667	---	43.38	54.00	10.62	150.0	H	22.0	15.9

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

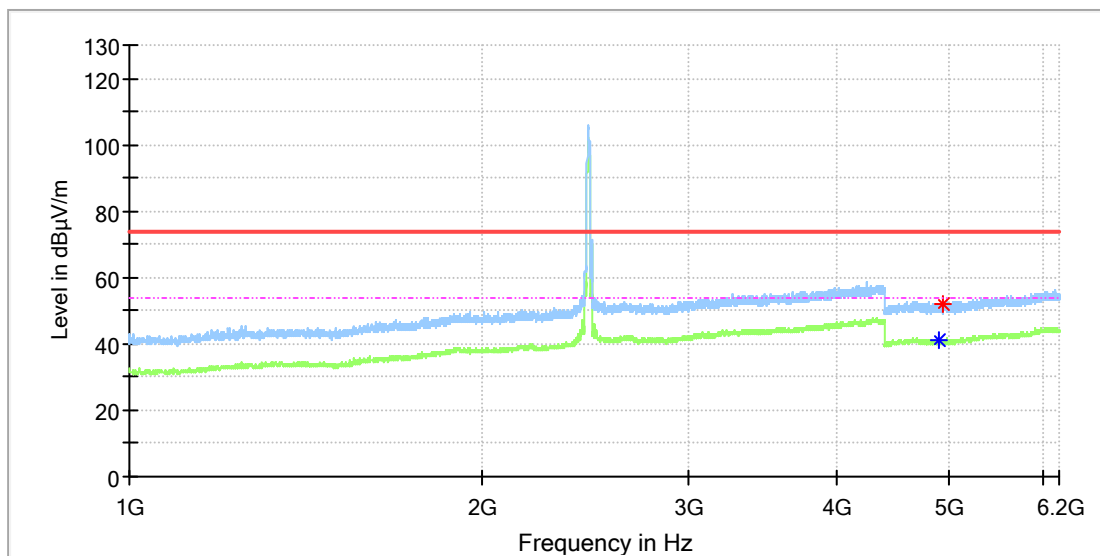
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7481.283333	---	35.42	54.00	18.58	150.0	V	42.0	8.7
7593.875000	44.21	---	74.00	29.79	150.0	V	222.0	8.7
12152.116667	50.21	---	74.00	23.79	150.0	V	54.0	16.6
12153.100000	---	42.73	54.00	11.27	150.0	V	158.0	16.6

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

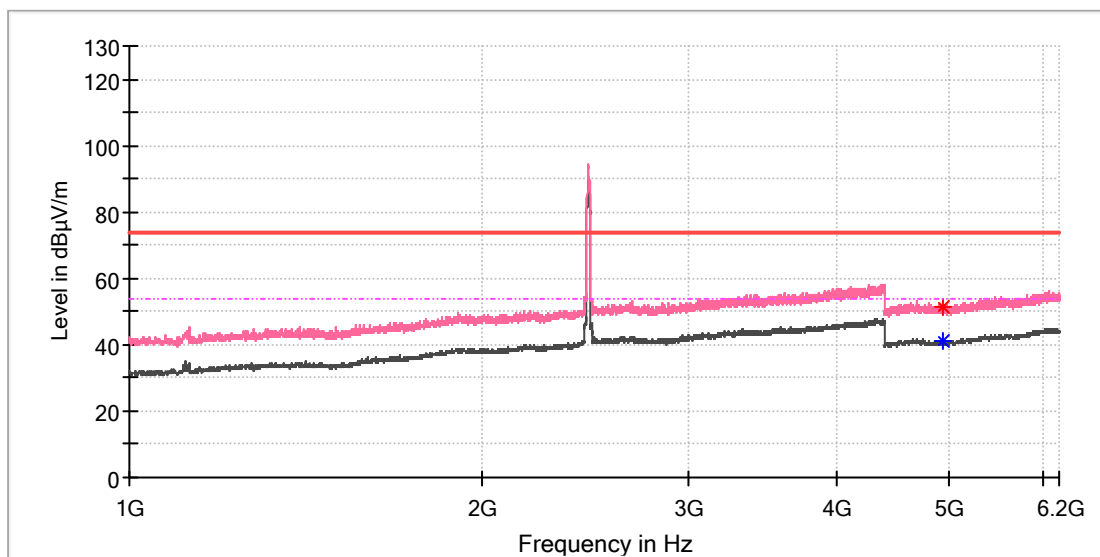
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4904.000000	---	41.26	54.00	12.74	150.0	H	231.0	13.3
4931.000000	52.28	---	74.00	21.72	150.0	H	208.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

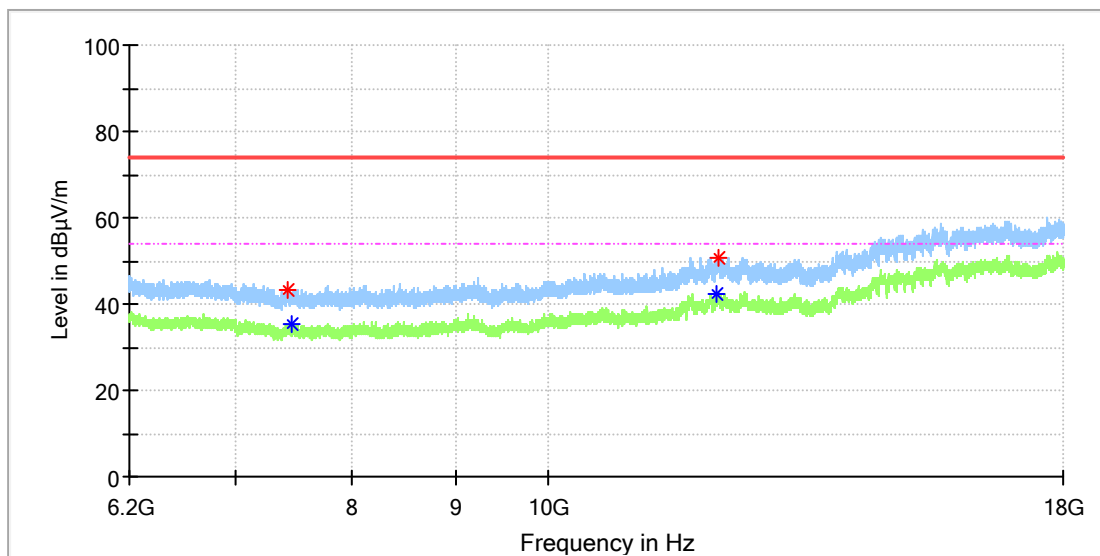
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4926.500000	51.38	---	74.00	22.62	150.0	V	104.0	13.3
4940.000000	---	40.85	54.00	13.15	150.0	V	141.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

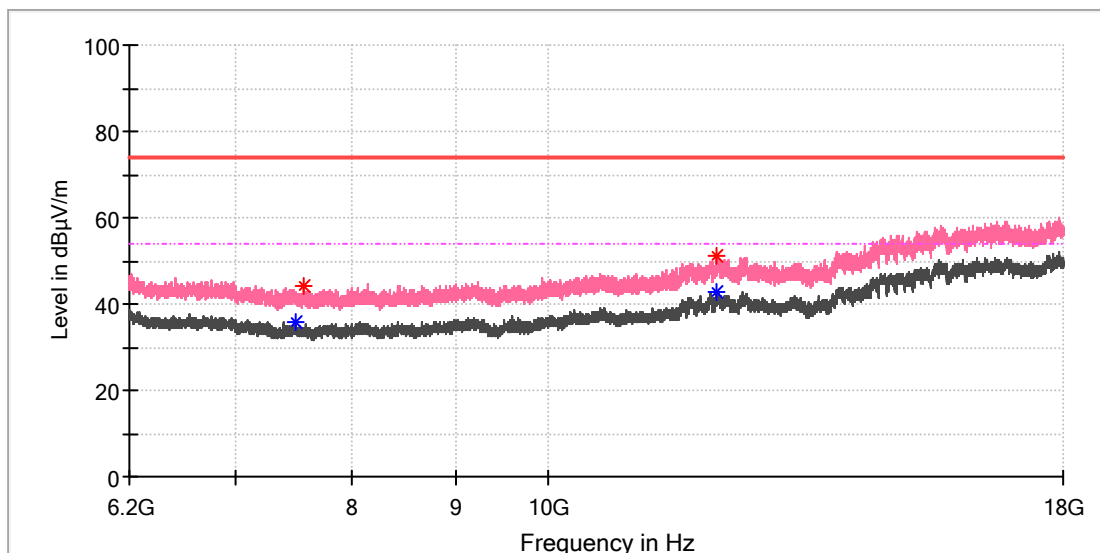
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7432.608333	43.36	---	74.00	30.64	150.0	H	256.0	8.4
7458.175000	---	35.18	54.00	18.82	150.0	H	300.0	8.5
12126.550000	---	42.48	54.00	11.52	150.0	H	136.0	16.1
12148.183333	50.49	---	74.00	23.51	150.0	H	223.0	16.7

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

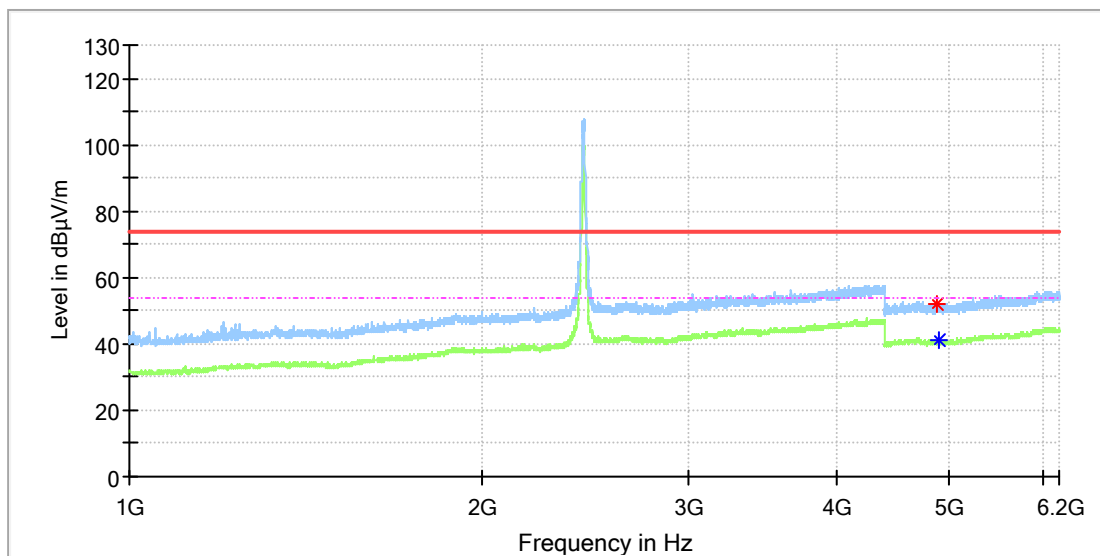
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7501.441667	---	35.66	54.00	18.34	150.0	V	243.0	8.7
7570.275000	44.07	---	74.00	29.93	150.0	V	267.0	8.7
12126.550000	51.00	---	74.00	23.00	150.0	V	10.0	16.1
12130.975000	---	42.62	54.00	11.38	150.0	V	53.0	16.2

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

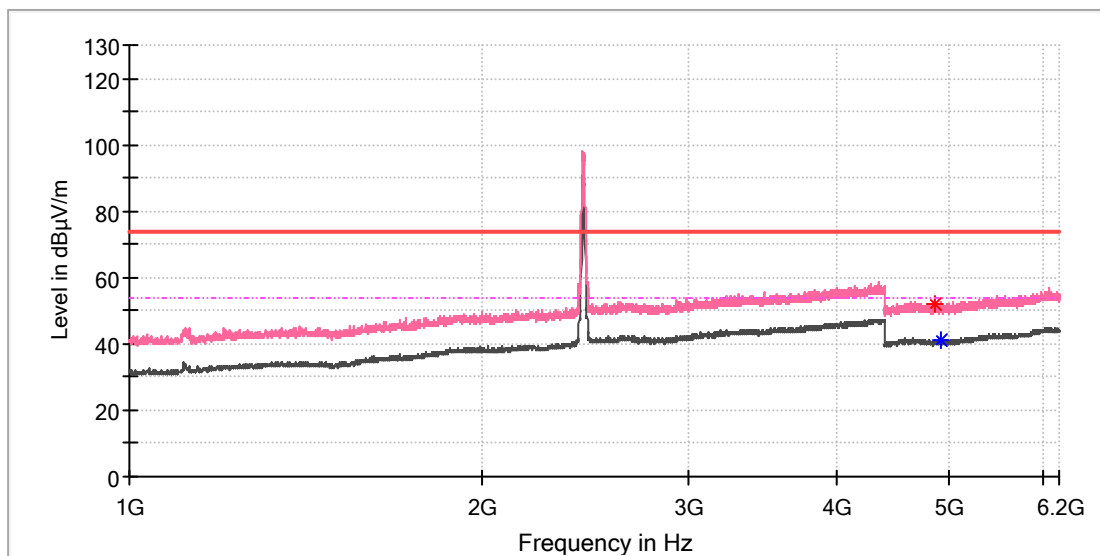
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.000000	51.81	---	74.00	22.19	150.0	H	87.0	13.3
4898.000000	---	40.99	54.00	13.01	150.0	H	179.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

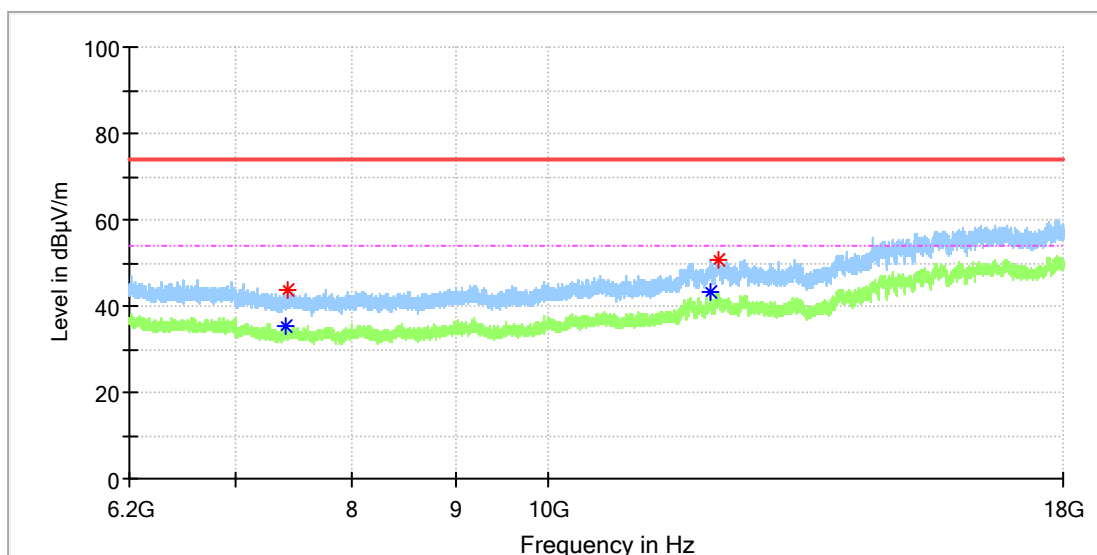
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4854.000000	52.05	---	74.00	21.95	150.0	V	231.0	13.3
4911.500000	---	41.18	54.00	12.82	150.0	V	182.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

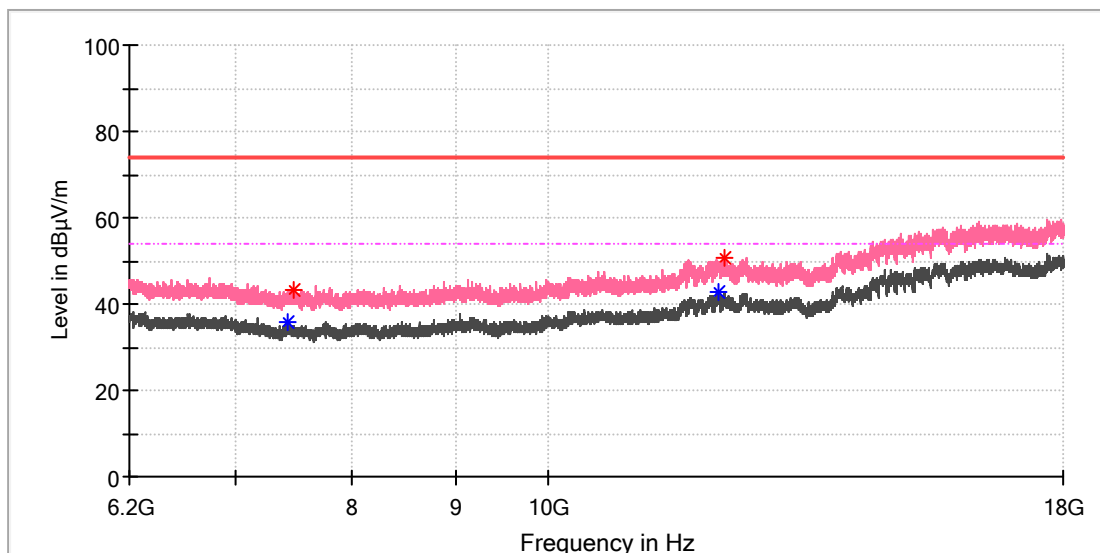
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7408.025000	---	35.13	54.00	18.87	150.0	H	96.0	8.3
7435.558333	43.95	---	74.00	30.05	150.0	H	62.0	8.4
12045.425000	---	43.05	54.00	10.95	150.0	H	206.0	16.3
12134.908333	50.88	---	74.00	23.12	150.0	H	182.0	16.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

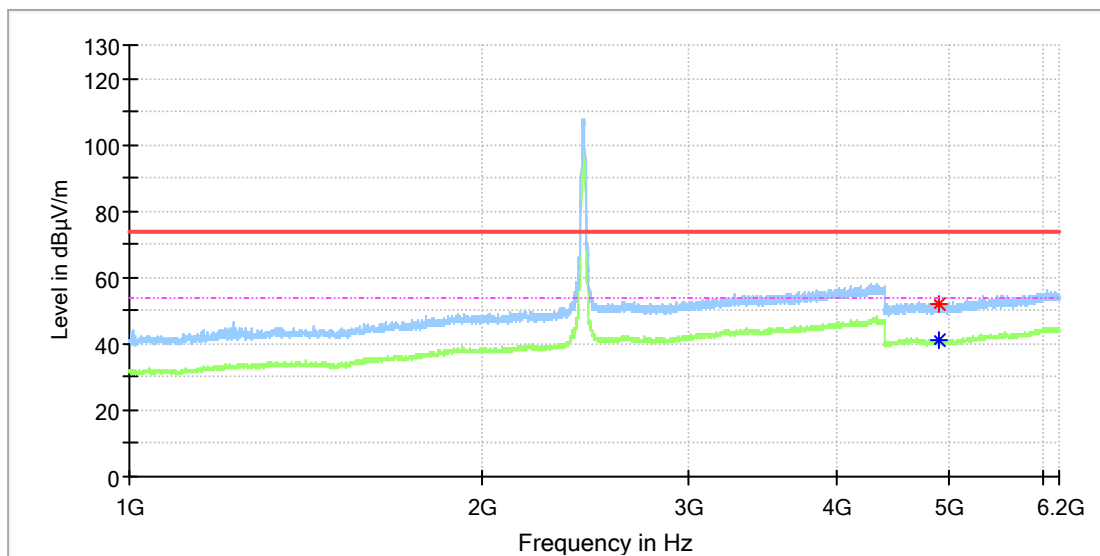
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.708333	---	35.68	54.00	18.32	150.0	V	348.0	8.4
7478.825000	43.20	---	74.00	30.80	150.0	V	250.0	8.7
12147.200000	---	42.96	54.00	11.04	150.0	V	316.0	16.7
12233.733333	50.77	---	74.00	23.23	150.0	V	162.0	16.0

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

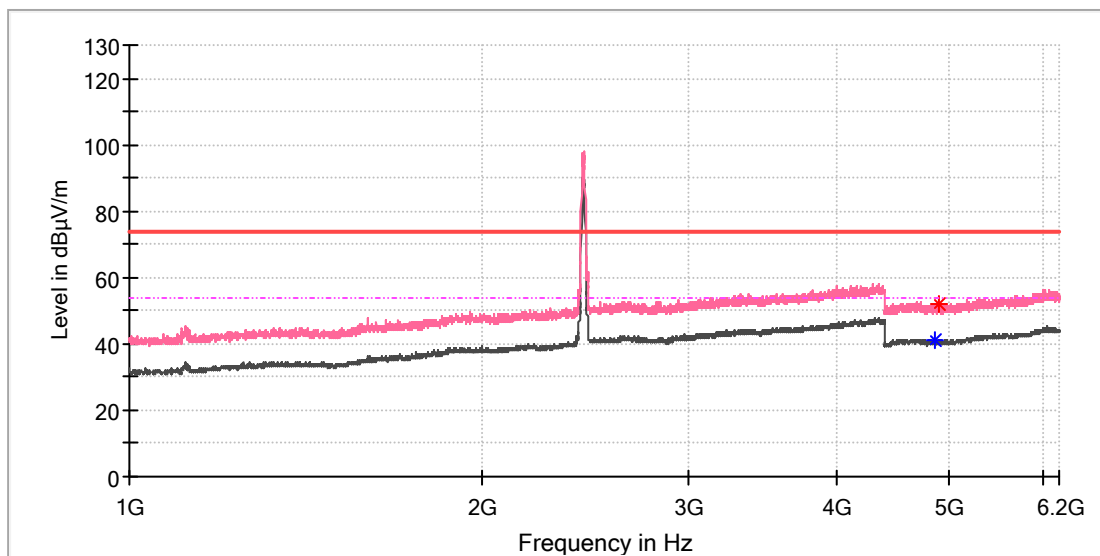
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4896.500000	51.95	---	74.00	22.05	150.0	H	252.0	13.3
4902.000000	---	41.14	54.00	12.86	150.0	H	349.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

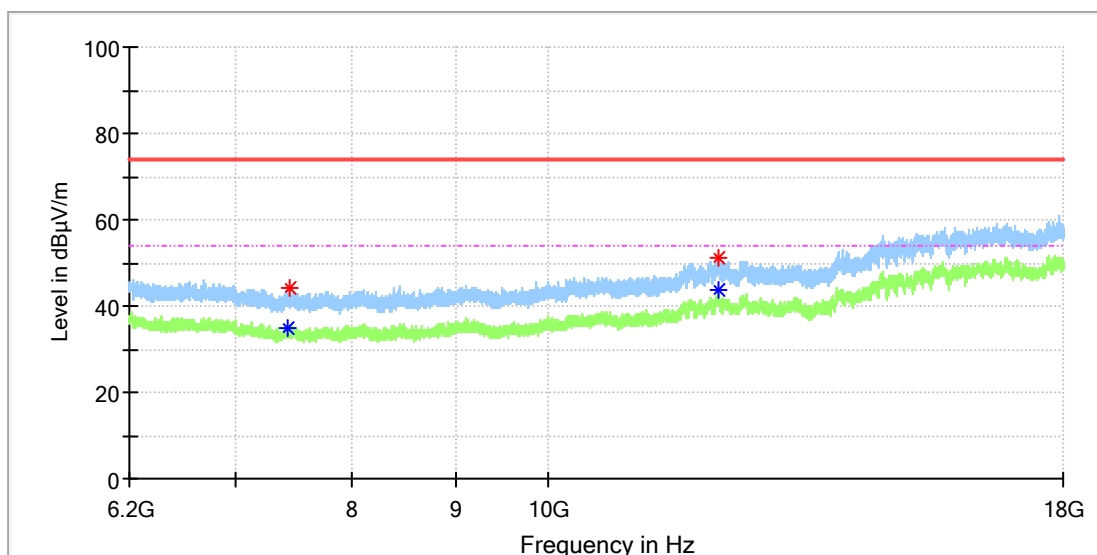
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4866.000000	---	40.93	54.00	13.07	150.0	V	233.0	13.3
4895.500000	52.03	---	74.00	21.97	150.0	V	221.0	13.3

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

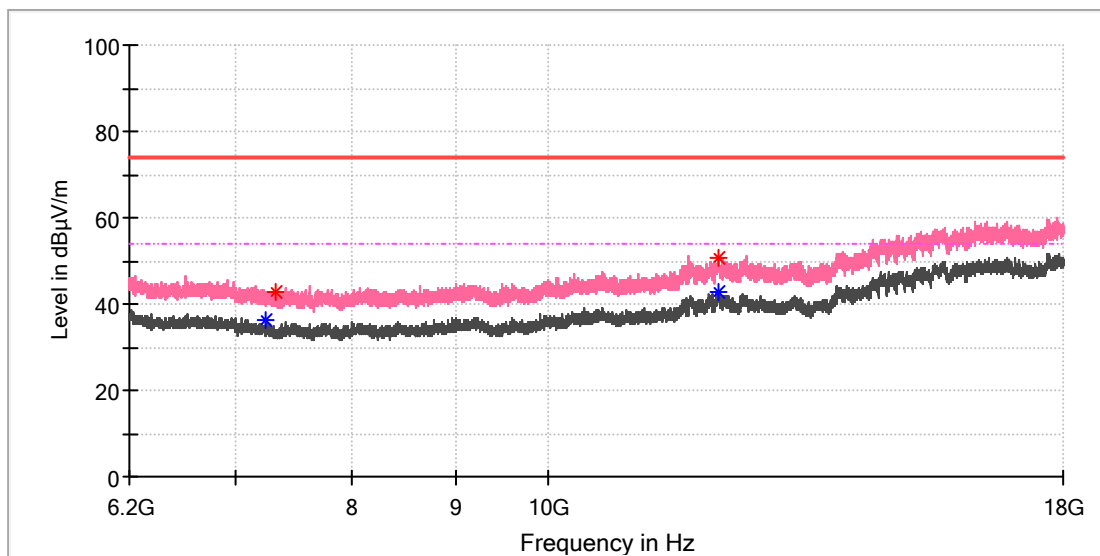
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.708333	---	35.08	54.00	18.92	150.0	H	43.0	8.4
7448.833333	43.98	---	74.00	30.02	150.0	H	236.0	8.5
12135.400000	51.33	---	74.00	22.67	150.0	H	32.0	16.3
12150.150000	---	43.58	54.00	10.42	150.0	H	208.0	16.7

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
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)
7251.183333	---	36.34	54.00	17.66	150.0	V	332.0	8.5
7325.425000	42.97	---	74.00	31.03	150.0	V	257.0	8.2
12142.775000	50.61	---	74.00	23.39	150.0	V	257.0	16.5
12151.133333	---	42.94	54.00	11.06	150.0	V	178.0	16.7

Final_Result

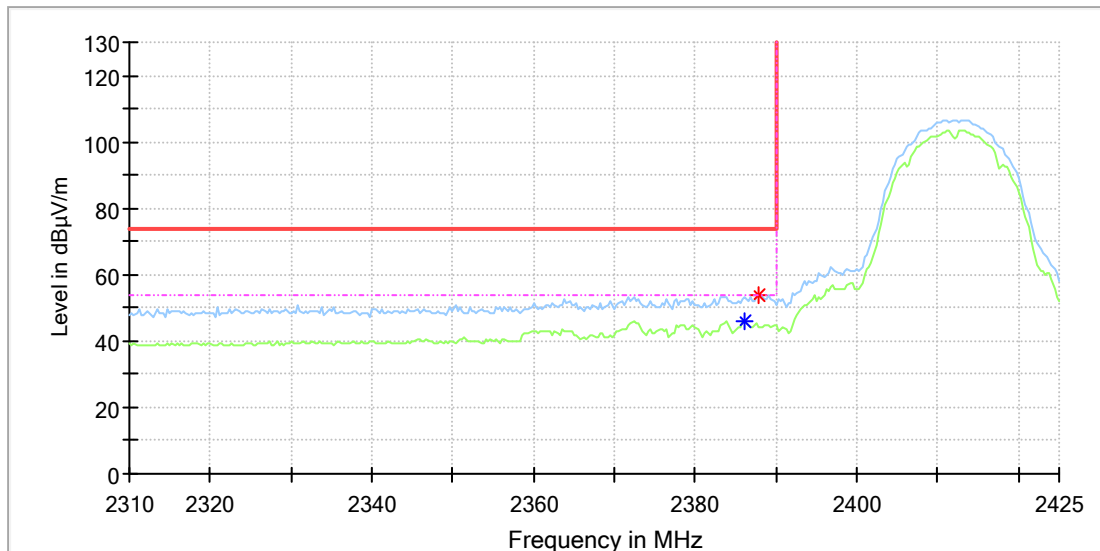
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

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

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

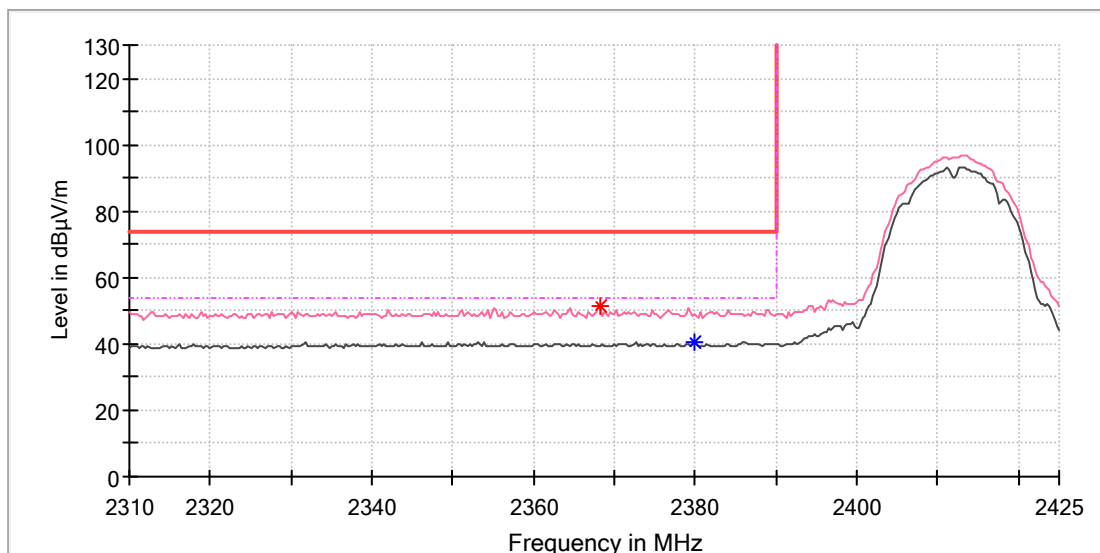
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.176471	---	46.11	54.00	7.89	150.0	H	94.0	8.5
2387.941177	53.55	---	74.00	20.45	150.0	H	101.0	8.5

Final_Result

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

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

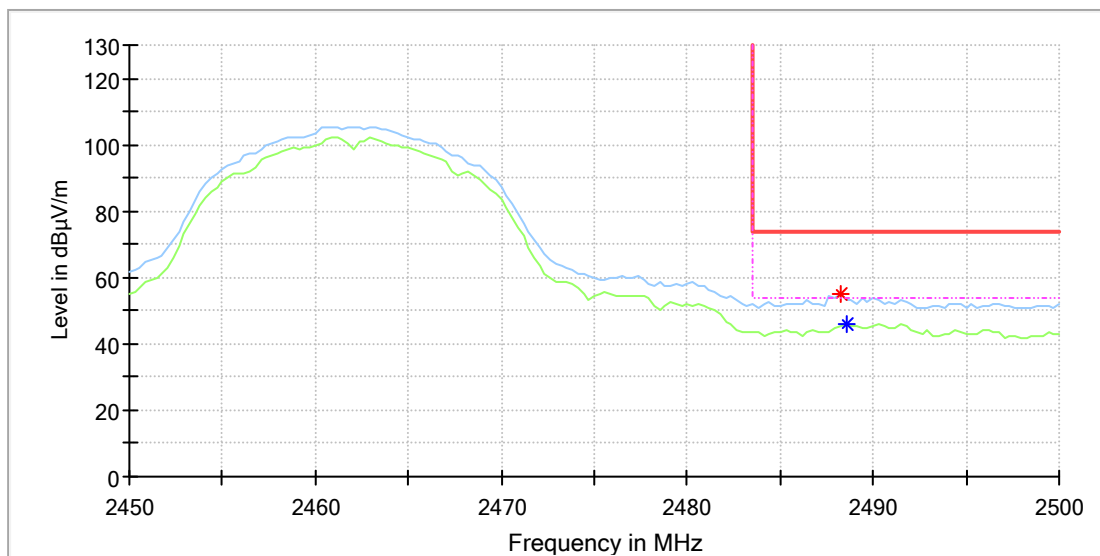
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2368.235294	51.28	---	74.00	22.72	150.0	V	38.0	8.5
2380.000000	---	40.50	54.00	13.50	150.0	V	72.0	8.5

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

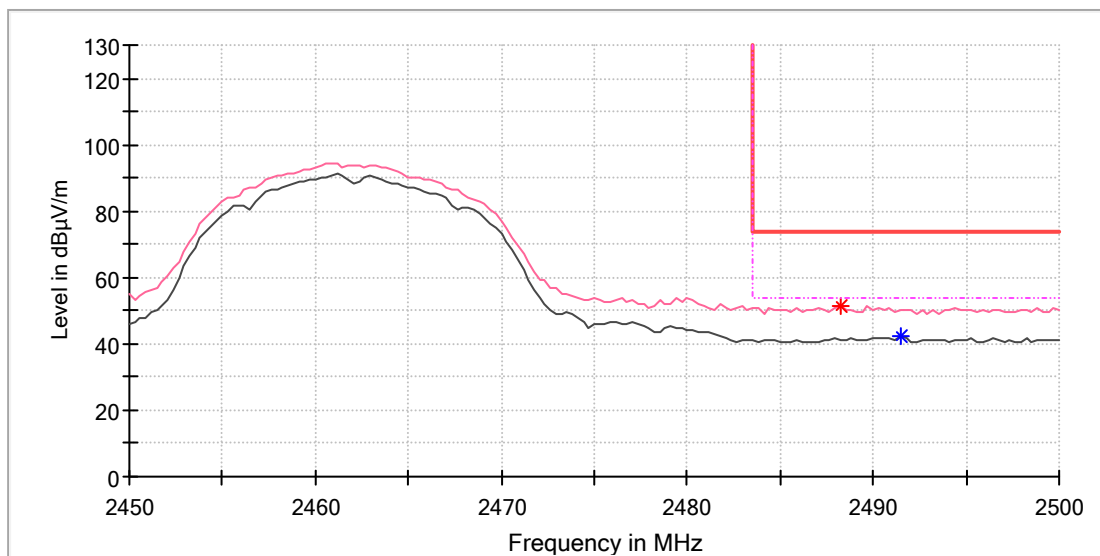
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.235294	54.78	---	74.00	19.22	150.0	H	100.0	9.0
2488.529412	---	46.09	54.00	7.91	150.0	H	100.0	9.0

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
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)
2488.235294	51.40	---	74.00	22.60	150.0	V	71.0	9.0
2491.470588	---	42.22	54.00	11.78	150.0	V	1.0	9.0

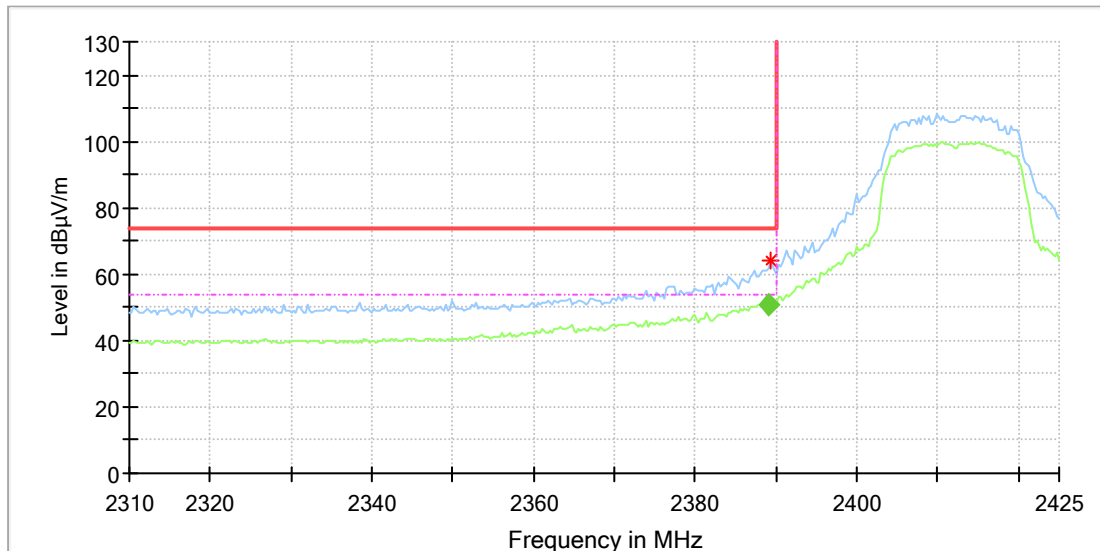
Final_Result

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

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

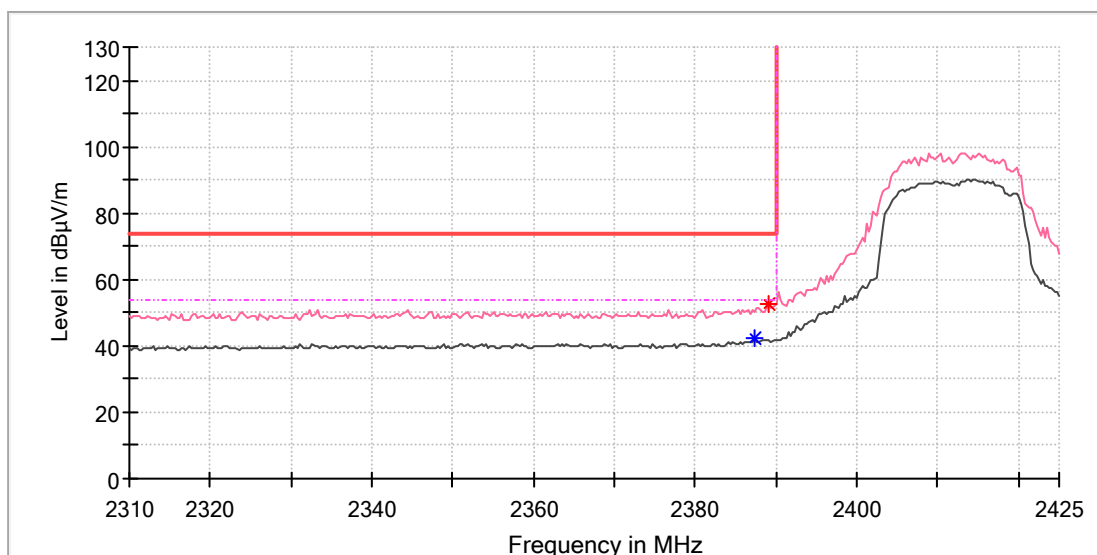
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	64.28	---	74.00	9.72	150.0	H	97.0	8.5

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.178529	50.61	54.00	3.39	145.0	H	92.0	8.5

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

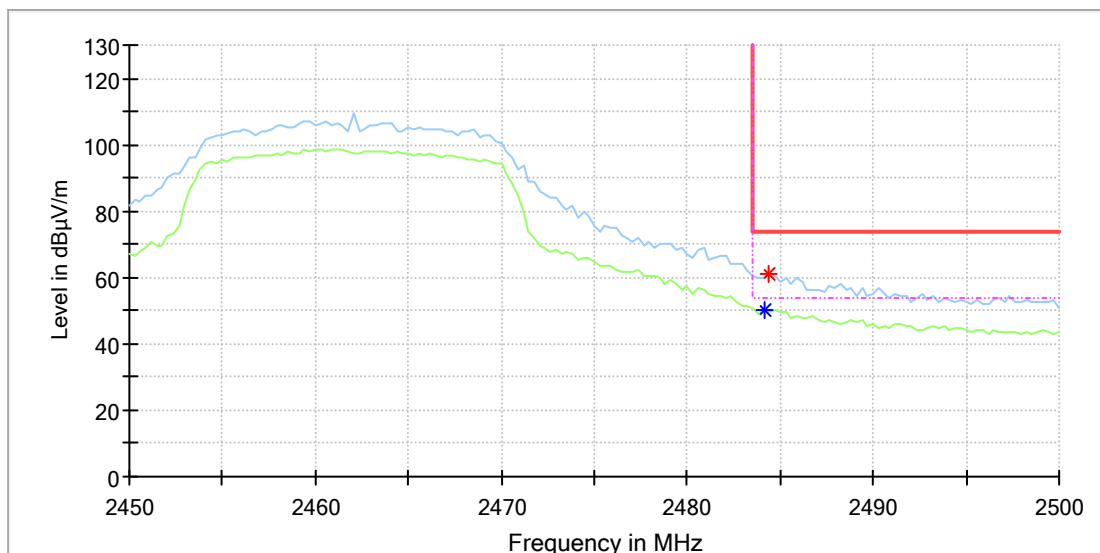
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.352941	---	42.40	54.00	11.60	150.0	V	288.0	8.5
2389.117647	52.51	---	74.00	21.49	150.0	V	294.0	8.5

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

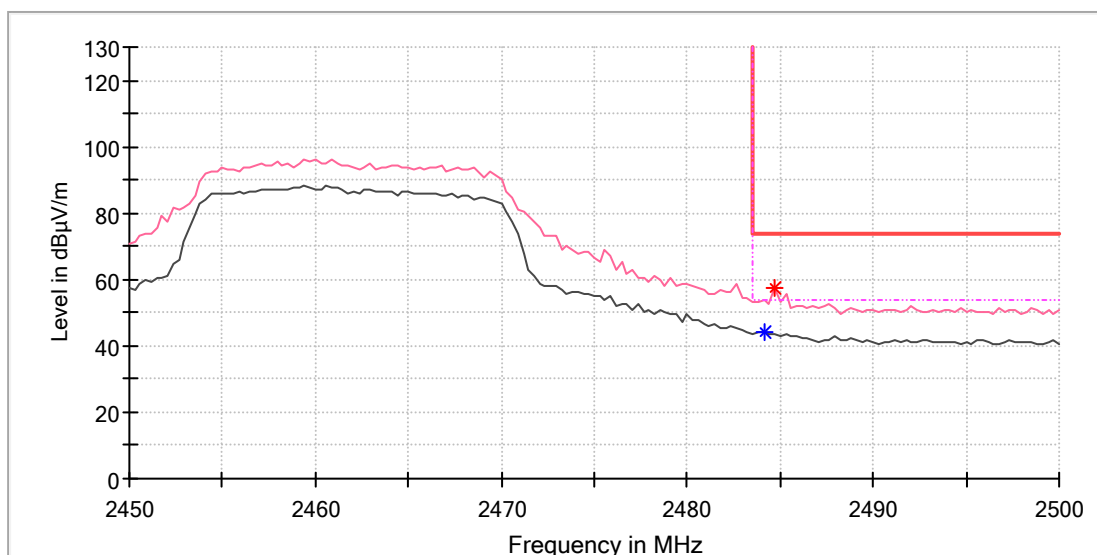
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	---	50.37	54.00	3.63	150.0	H	96.0	9.0
2484.411765	61.03	---	74.00	12.97	150.0	H	102.0	9.0

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
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)
2484.117647	---	44.08	54.00	9.92	150.0	V	74.0	9.0
2484.705882	57.14	---	74.00	16.86	150.0	V	0.0	9.0

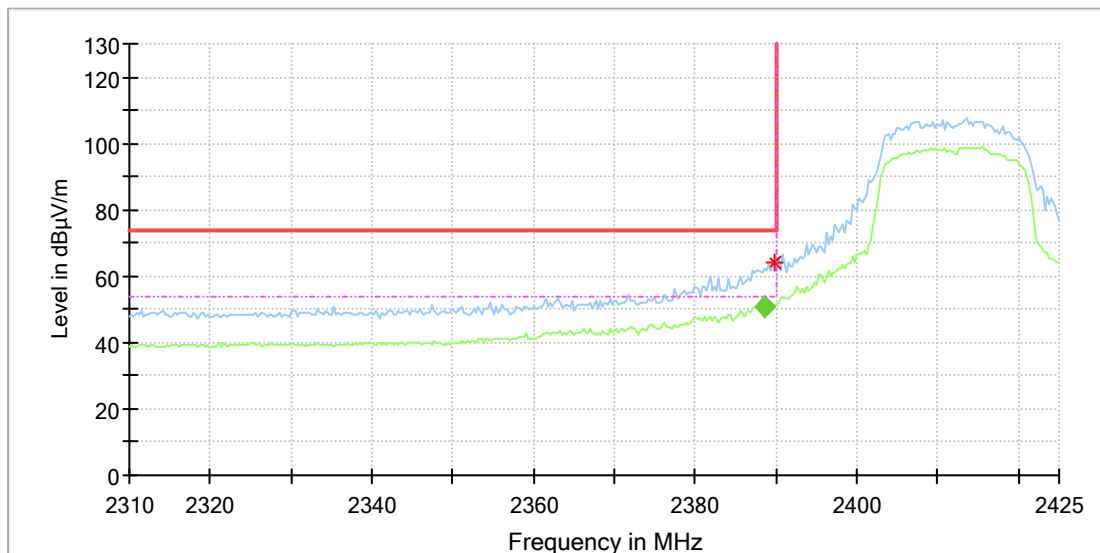
Final_Result

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: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

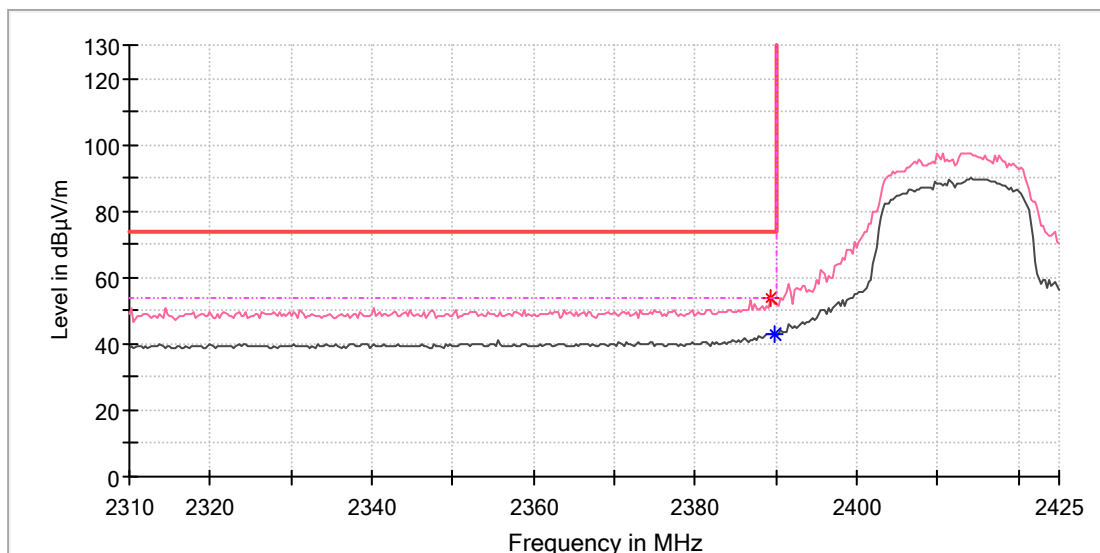
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.705882	64.03	---	74.00	9.97	150.0	H	97.0	8.5

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	50.68	54.00	3.32	147.0	H	89.0	8.5

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch1
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

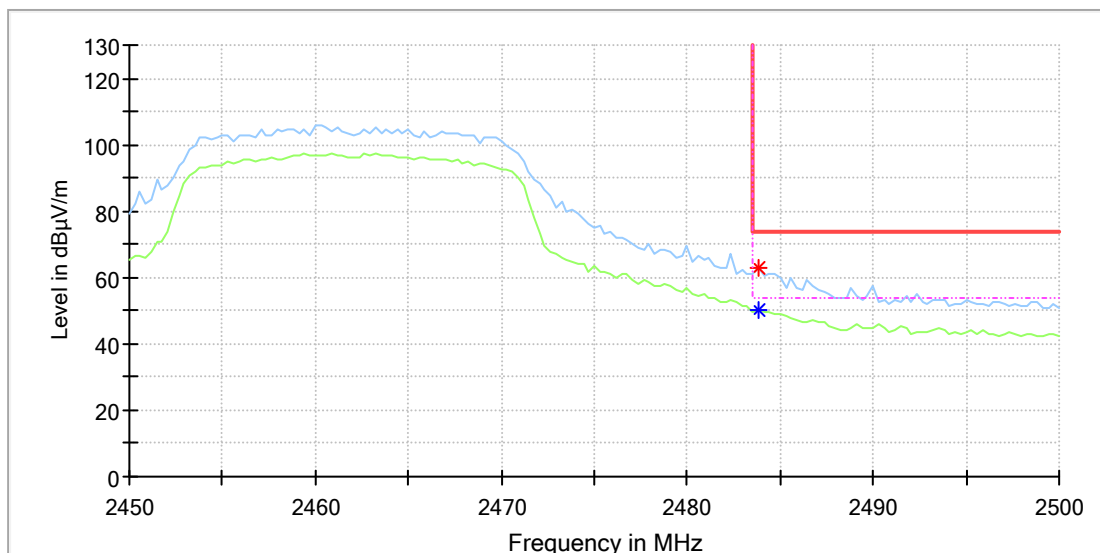
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.411765	53.69	---	74.00	20.31	150.0	V	288.0	8.5
2389.705882	---	42.96	54.00	11.04	150.0	V	246.0	8.5

Final_Result

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

EUT Information

EUT Name: ROBOTIC POOL SKIMMER
Model: PRX9
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168513747/A003916704-001
Test Voltage:: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

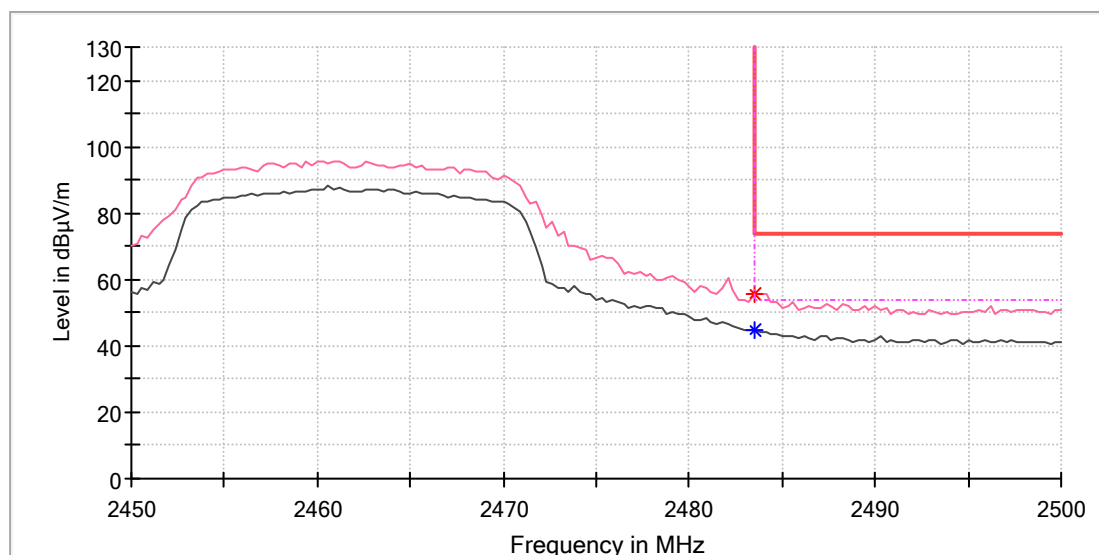
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.823529	62.69	---	74.00	11.31	150.0	H	97.0	9.0
2483.823529	---	50.29	54.00	3.71	150.0	H	97.0	9.0

Final_Result

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

EUT Information

EUT Name:	ROBOTIC POOL SKIMMER
Model:	PRX9
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168513747/A003916704-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:53%
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)
2483.529412	55.70	---	74.00	18.30	150.0	V	7.0	9.0
2483.529412	---	44.52	54.00	9.48	150.0	V	7.0	9.0

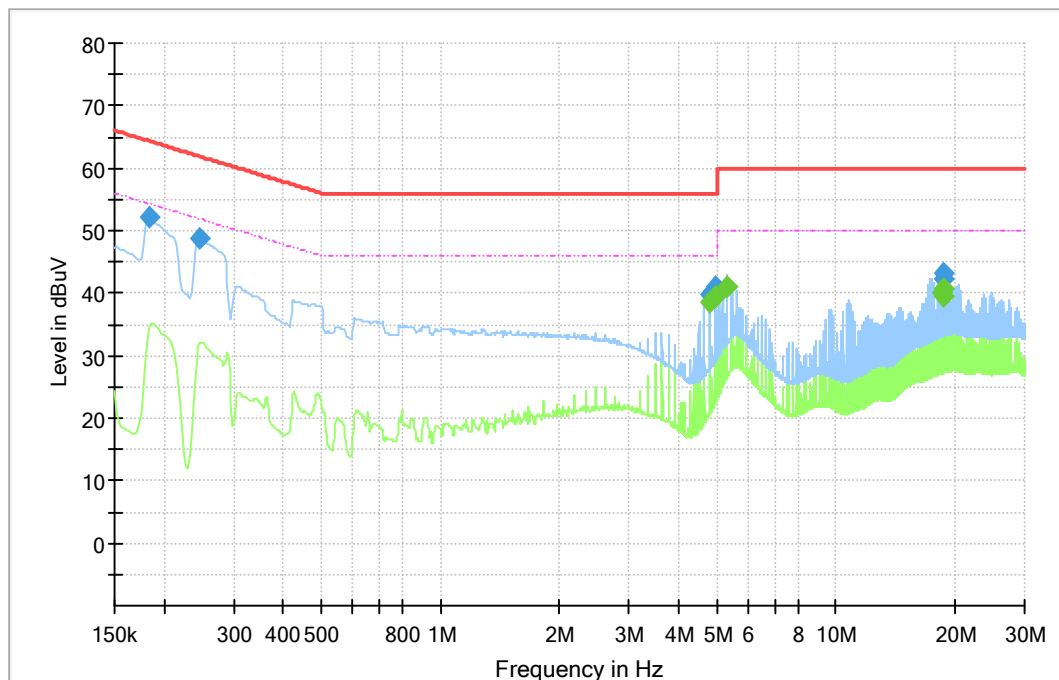
Final_Result

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

Common Information

Test Description: CORDLESS ROBOTIC POOL CLEANER
Model: PRX9
Test Mode: Charging and Wireless link
Comment:

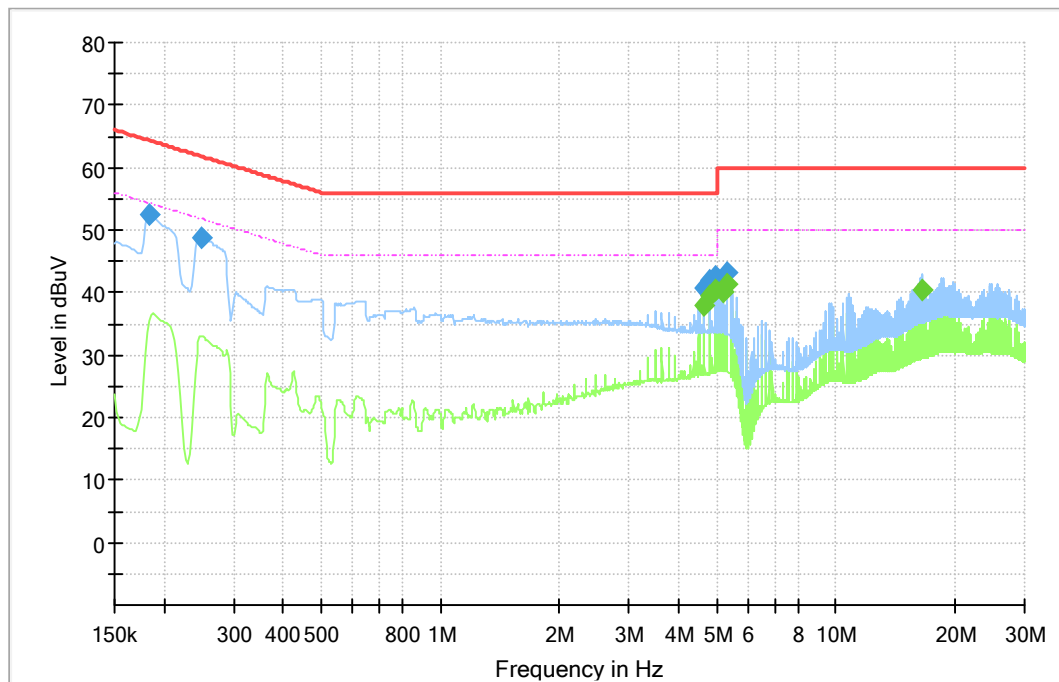


Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth h (kHz)	Line	Corr. (dB)
0.183750	52.18	---	64.31	12.13	1000.0	9.000	L1	10.3
0.246750	48.80	---	61.87	13.07	1000.0	9.000	L1	10.3
4.800750	---	38.70	46.00	7.30	1000.0	9.000	L1	10.3
4.800750	39.91	---	56.00	16.09	1000.0	9.000	L1	10.3
4.944750	---	39.60	46.00	6.40	1000.0	9.000	L1	10.3
4.944750	40.93	---	56.00	15.07	1000.0	9.000	L1	10.3
5.309250	---	40.89	50.00	9.11	1000.0	9.000	L1	10.4
18.471750	---	40.12	50.00	9.88	1000.0	9.000	L1	11.0
18.618000	43.13	---	60.00	16.87	1000.0	9.000	L1	11.0
18.618000	---	40.65	50.00	9.35	1000.0	9.000	L1	11.0
18.764250	---	39.62	50.00	10.38	1000.0	9.000	L1	11.0
18.764250	42.36	---	60.00	17.64	1000.0	9.000	L1	11.0

Common Information

Test Description: CORDLESS ROBOTIC POOL CLEANER
Model: PRX9
Test Mode: Charging and Wireless link
Comment:



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth h (kHz)	Line	Corr. (dB)
0.183750	52.43	---	64.31	11.89	1000.0	9.000	N	10.6
0.249000	48.84	---	61.79	12.95	1000.0	9.000	N	10.7
4.654500	---	37.83	46.00	8.17	1000.0	9.000	N	10.7
4.654500	40.67	---	56.00	15.33	1000.0	9.000	N	10.7
4.800750	---	39.57	46.00	6.43	1000.0	9.000	N	10.7
4.800750	41.91	---	56.00	14.09	1000.0	9.000	N	10.7
4.944750	---	40.41	46.00	5.59	1000.0	9.000	N	10.7
4.944750	42.54	---	56.00	13.46	1000.0	9.000	N	10.7
5.163000	---	40.18	50.00	9.82	1000.0	9.000	N	10.7
5.309250	---	41.26	50.00	8.74	1000.0	9.000	N	10.7
5.309250	43.19	---	60.00	16.81	1000.0	9.000	N	10.7
16.435500	---	40.51	50.00	9.49	1000.0	9.000	N	11.2