

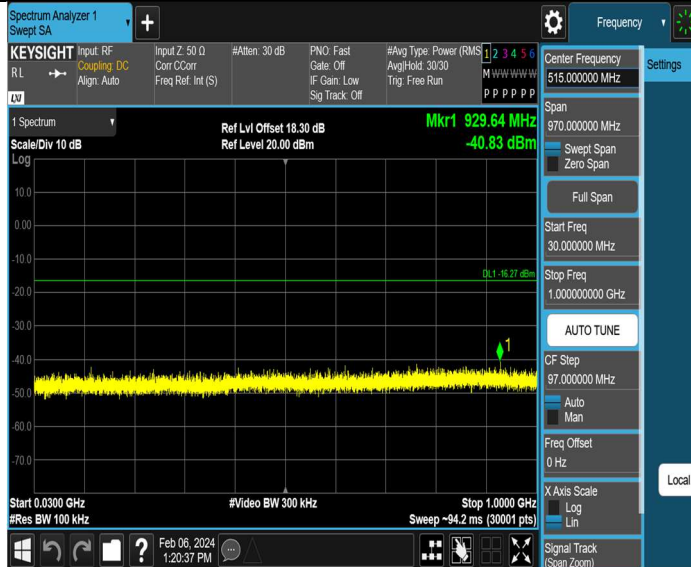
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.73	3.73	---	PASS
			30~1000	3.73	-40.83	≤-16.27	PASS
			1000~26500	3.73	-32.59	≤-16.27	PASS
		2437	Reference	1.94	1.94	---	PASS
			30~1000	1.94	-41.64	≤-18.06	PASS
			1000~26500	1.94	-32.3	≤-18.06	PASS
		2462	Reference	2.48	2.48	---	PASS
			30~1000	2.48	-41.54	≤-17.52	PASS
			1000~26500	2.48	-31.9	≤-17.52	PASS
11G	Ant1	2412	Reference	-3.55	-3.55	---	PASS
			30~1000	-3.55	-40.94	≤-23.55	PASS
			1000~26500	-3.55	-31.54	≤-23.55	PASS
		2437	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-40.86	≤-23.24	PASS
			1000~26500	-3.24	-32.47	≤-23.24	PASS
		2462	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-41.04	≤-23.19	PASS
			1000~26500	-3.19	-31.47	≤-23.19	PASS
11N20SISO	Ant1	2412	Reference	-3.56	-3.56	---	PASS
			30~1000	-3.56	-40.95	≤-23.56	PASS
			1000~26500	-3.56	-32.27	≤-23.56	PASS
		2437	Reference	-3.80	-3.80	---	PASS
			30~1000	-3.80	-41.82	≤-23.8	PASS
			1000~26500	-3.80	-32.57	≤-23.8	PASS
		2462	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-41.31	≤-20.85	PASS
			1000~26500	-0.85	-32.39	≤-20.85	PASS
11N40SISO	Ant1	2422	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-40.72	≤-23.16	PASS
			1000~26500	-3.16	-32.3	≤-23.16	PASS
		2437	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-41.48	≤-23.73	PASS
			1000~26500	-3.73	-32.73	≤-23.73	PASS
		2452	Reference	-2.85	-2.85	---	PASS
			30~1000	-2.85	-41.14	≤-22.85	PASS
			1000~26500	-2.85	-32.08	≤-22.85	PASS

11B Ant1 2412 0~Reference



11B Ant1 2412 30~1000



11B Ant1 2412 1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



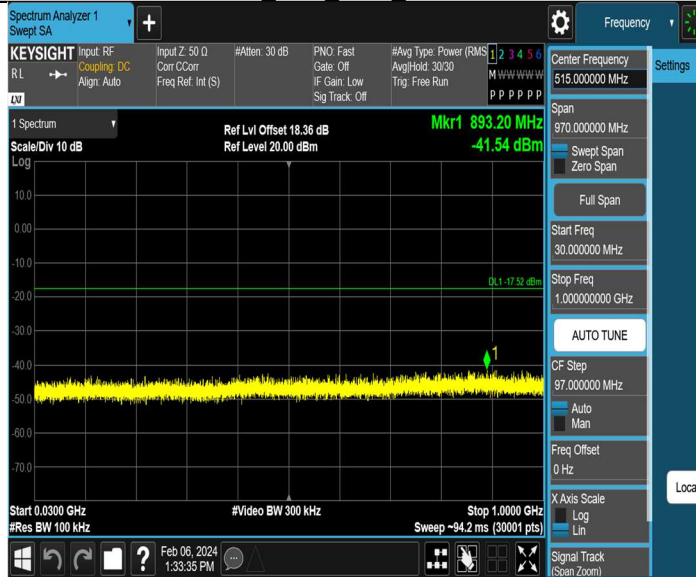
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



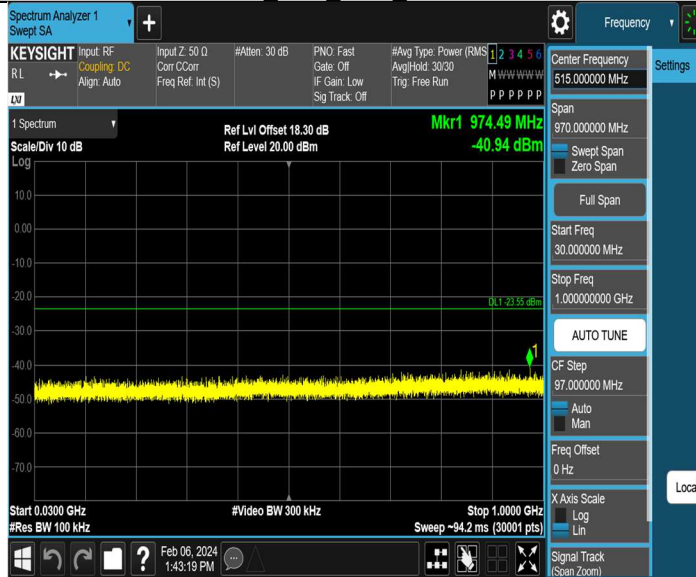
11B_Ant1_2462_1000~26500



11G Ant1_2412_0~Reference



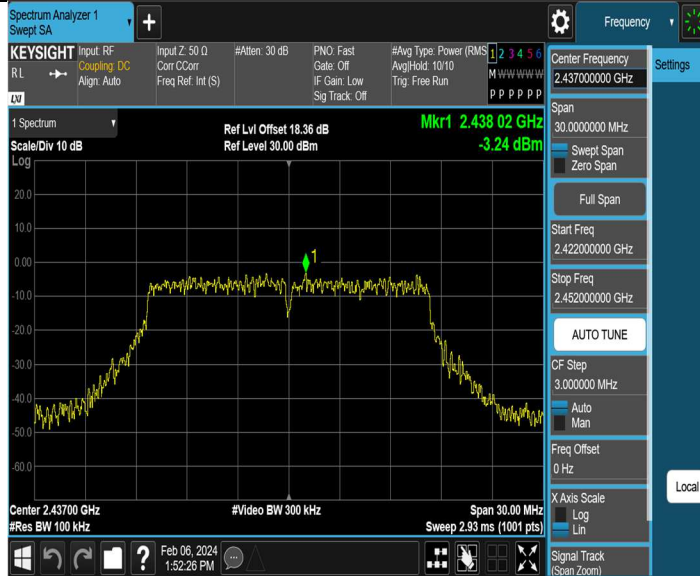
11G Ant1_2412_30~1000



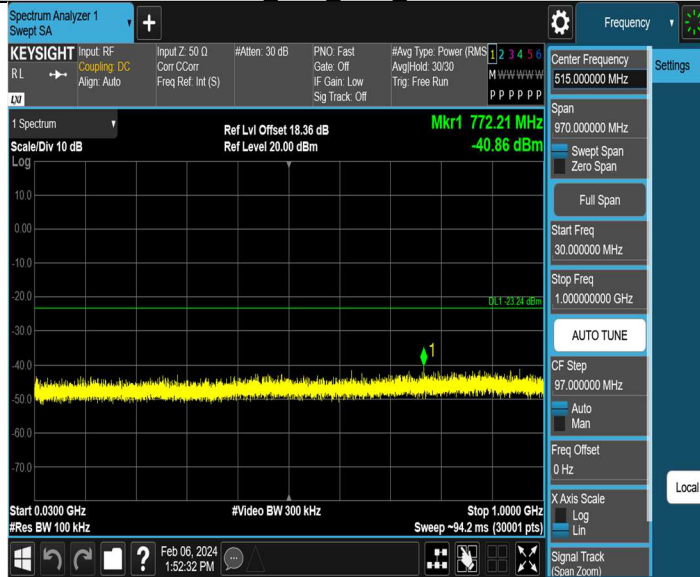
11G Ant1_2412_1000~26500



11G Ant1_2437 0~Reference



11G Ant1_2437 30~1000



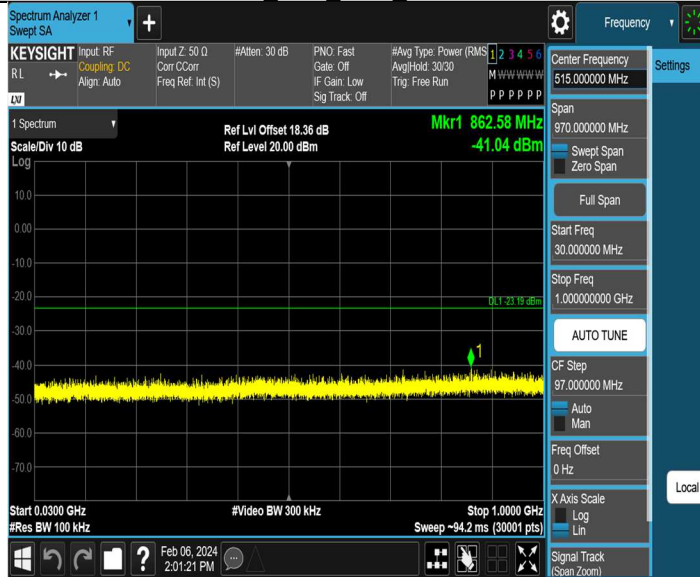
11G Ant1_2437 1000~26500



11G Ant1_2462_0~Reference



11G Ant1_2462_30~1000



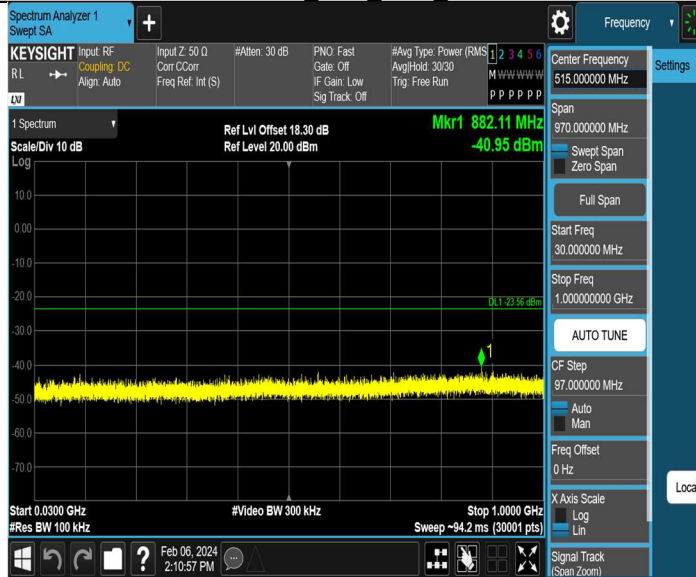
11G Ant1_2462_1000~26500



11N20SISO Ant1 2412 0~Reference



11N20SISO Ant1 2412 30~1000



11N20SISO Ant1 2412 1000~26500



11N20SISO Ant1 2437 0~Reference



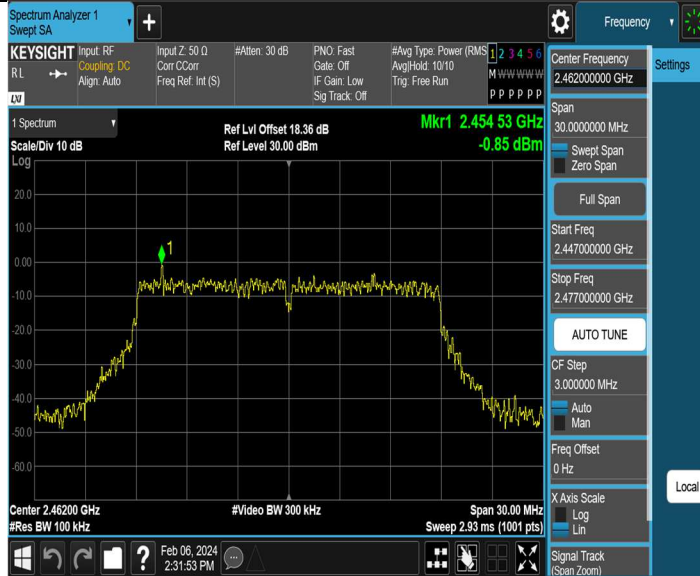
11N20SISO Ant1 2437 30~1000



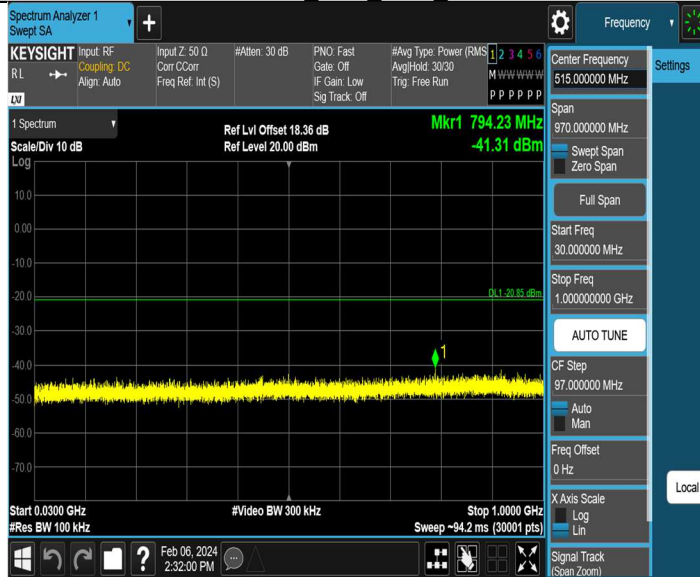
11N20SISO Ant1 2437 1000~26500



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



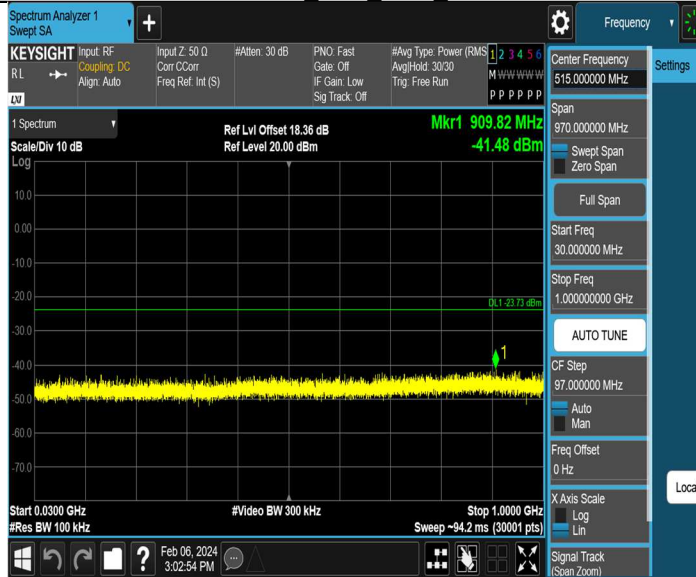
11N40SISO Ant1 2422 1000~26500



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



Appendix A.5: Test Results of Radiated Spurious Emissions

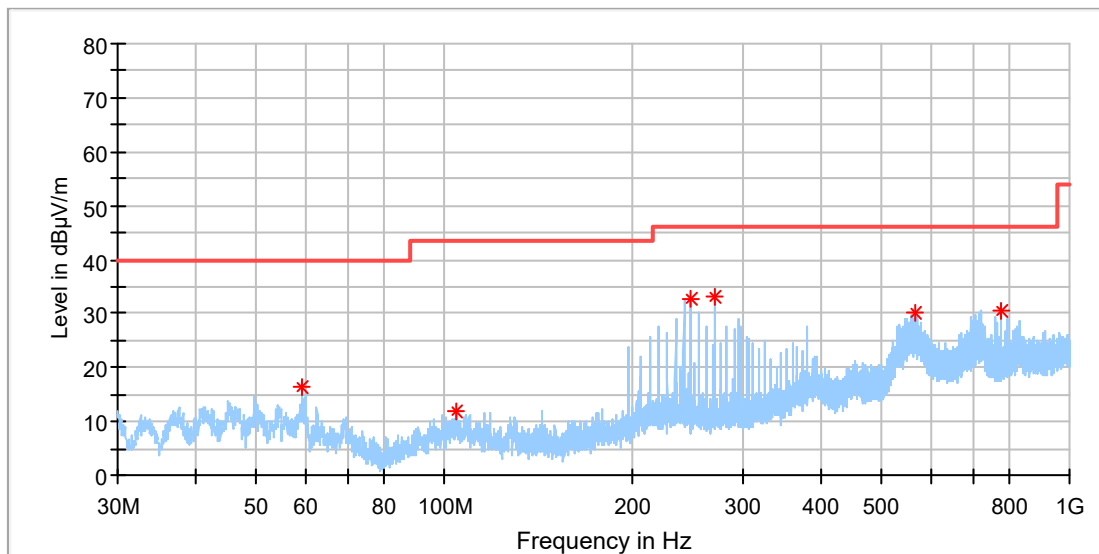
Note:

- 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:	Robot Vacuum Cleaner
Model:	RCV 3
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168455607/A003643377-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

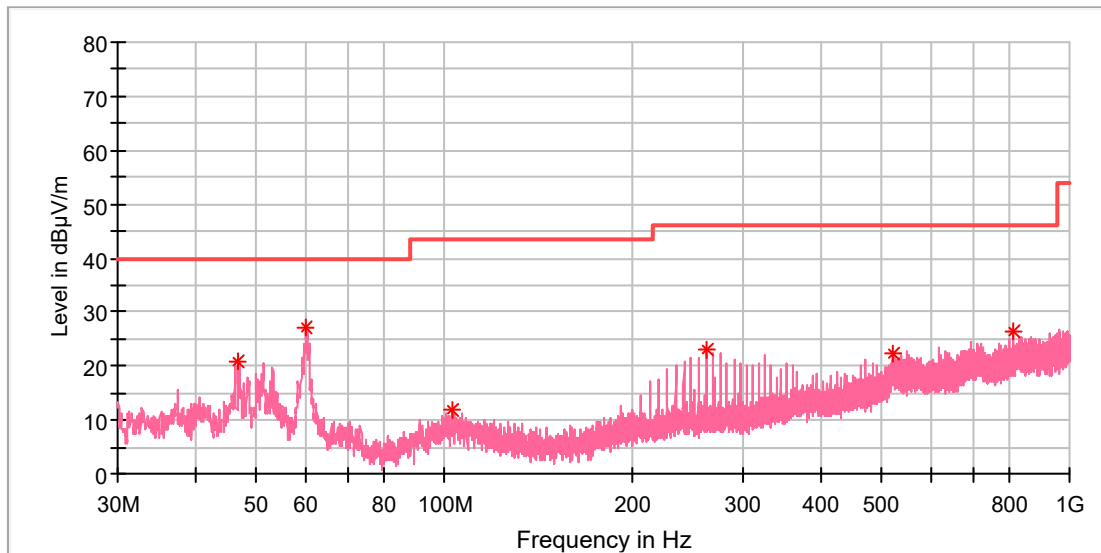
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.137308	16.20	40.00	23.80	100.0	H	185.0	-19.2
104.205000	11.86	43.50	31.64	100.0	H	43.0	-19.1
248.511154	32.92	46.00	13.08	100.0	H	0.0	-17.7
270.336154	33.25	46.00	12.75	100.0	H	149.0	-17.2
567.976923	30.23	46.00	15.77	100.0	H	0.0	-10.8
780.518846	30.57	46.00	15.43	100.0	H	0.0	-7.1

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168455607/A003643377-002
 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)	MaxiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.863077	20.97	40.00	19.03	100.0	V	0.0	-18.9
60.032692	27.20	40.00	12.80	100.0	V	16.0	-19.3
103.085769	11.89	43.50	31.61	100.0	V	149.0	-19.2
262.501539	22.96	46.00	23.04	100.0	V	233.0	-17.4
523.058462	22.18	46.00	23.82	100.0	V	310.0	-11.8
815.550769	26.56	46.00	19.44	100.0	V	8.0	-6.5

Final Result

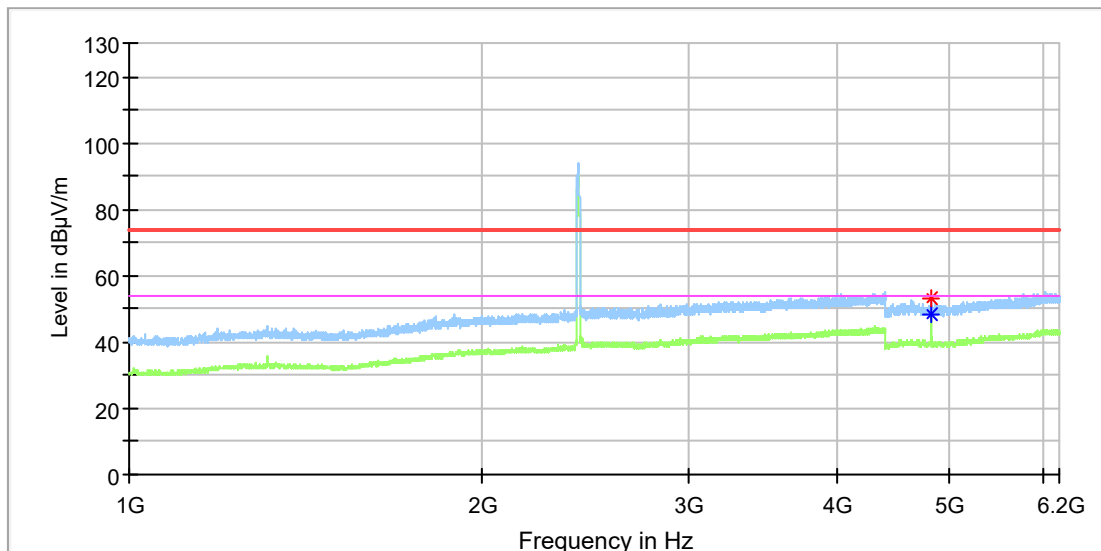
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 3
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168455607/A003643377-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

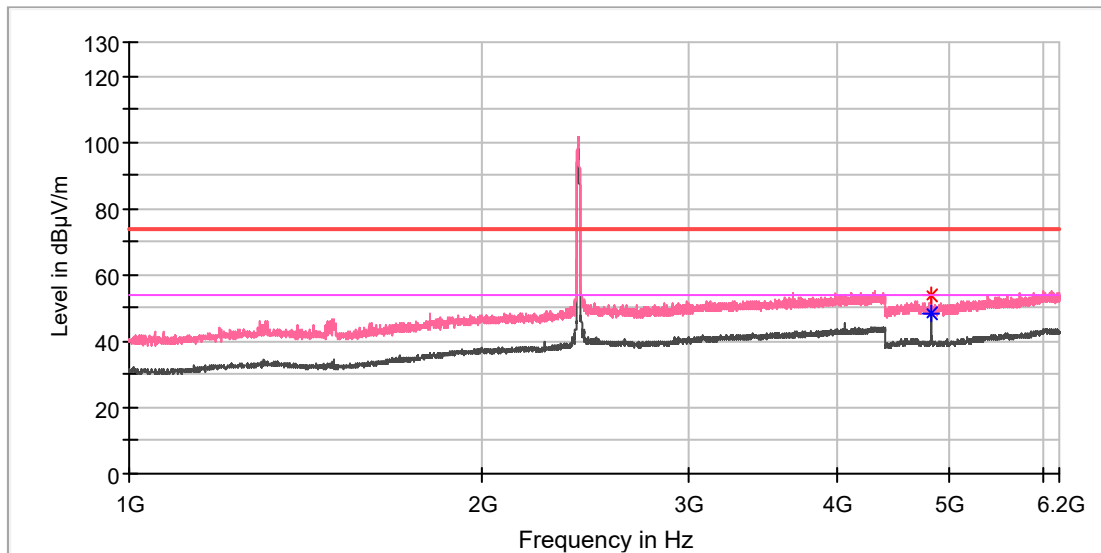
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	53.24	---	74.00	20.76	150.0	H	9.0	11.8
4824.000000	---	48.39	54.00	5.61	150.0	H	9.0	11.8

Final_Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

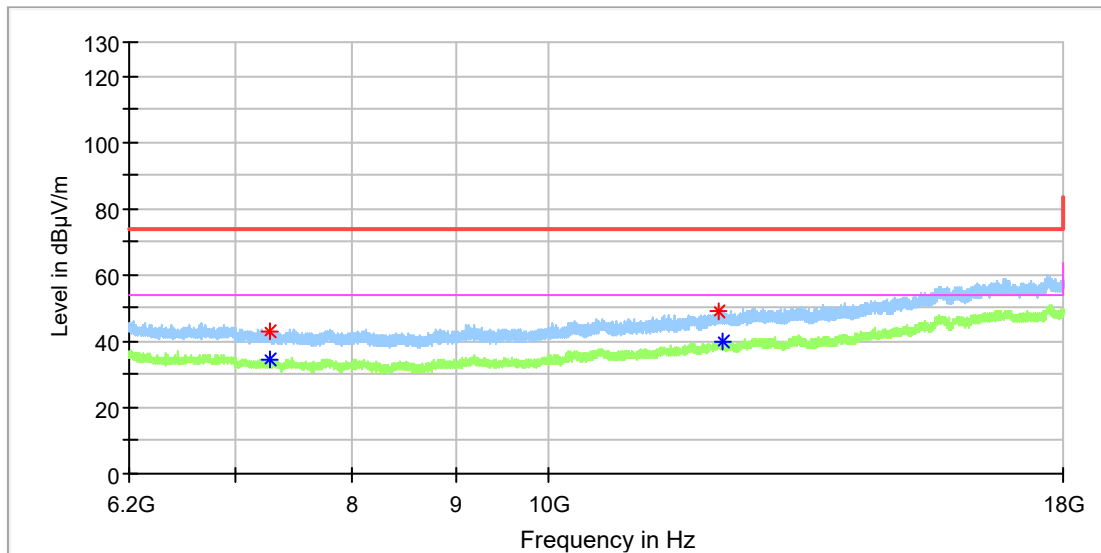
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	53.64	---	74.00	20.36	150.0	V	41.0	11.8
4824.000000	---	48.26	54.00	5.74	150.0	V	41.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

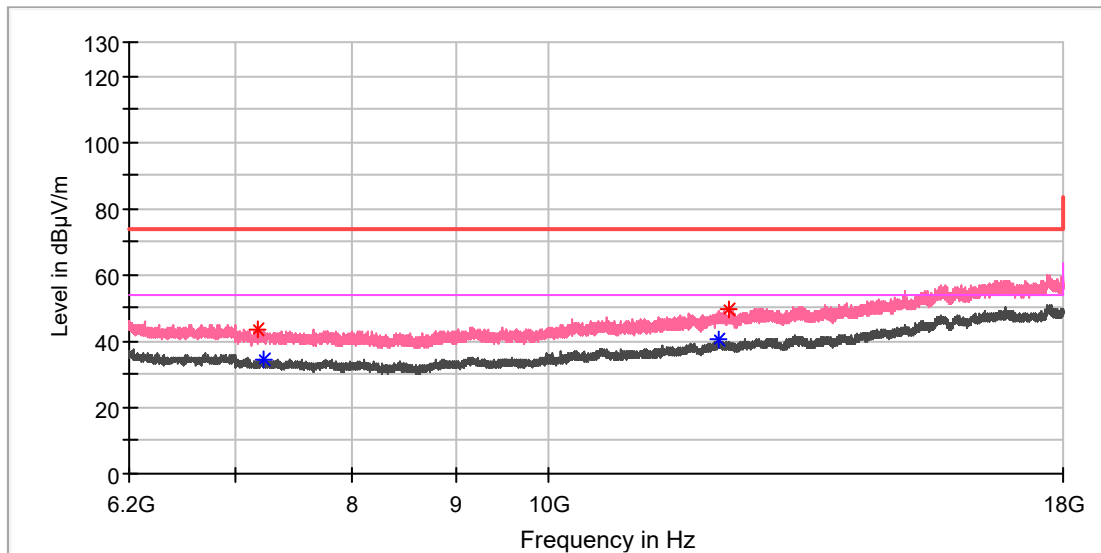
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7281.666667	---	34.60	54.00	19.40	150.0	H	118.0	8.4
7284.616667	43.11	---	74.00	30.89	150.0	H	312.0	8.4
12157.033333	48.90	---	74.00	25.10	150.0	H	106.0	14.5
12189.975000	---	39.73	54.00	14.27	150.0	H	142.0	14.6

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

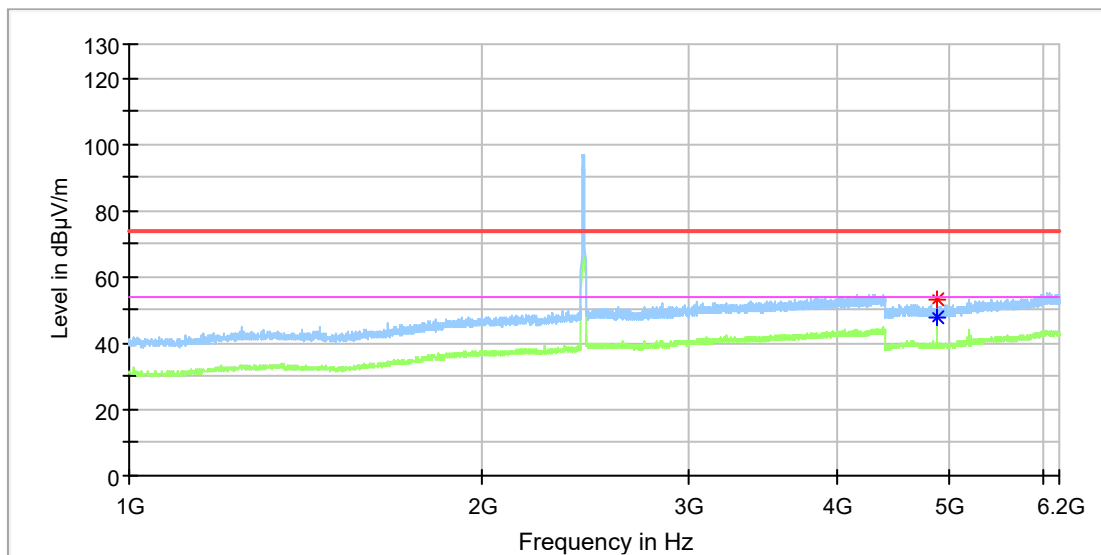
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7178.416667	43.52	---	74.00	30.48	150.0	V	111.0	8.8
7221.683333	---	34.38	54.00	19.62	150.0	V	0.0	8.7
12146.708333	---	40.66	54.00	13.34	150.0	V	302.0	14.4
12294.208333	49.42	---	74.00	24.58	150.0	V	87.0	14.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

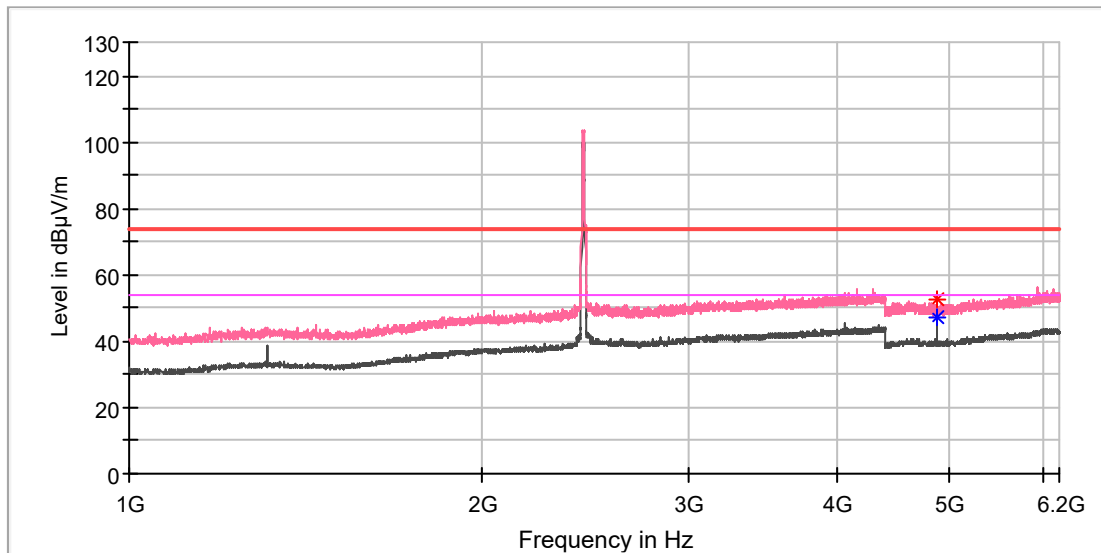
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	53.49	---	74.00	20.51	150.0	H	12.0	11.8
4874.000000	---	47.88	54.00	6.12	150.0	H	12.0	11.8

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

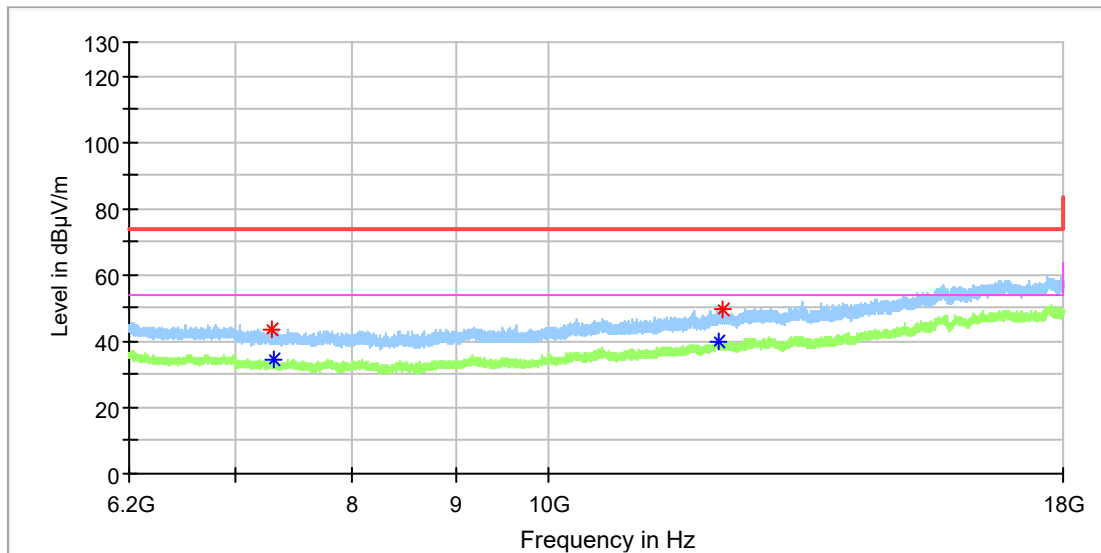
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	52.51	---	74.00	21.49	150.0	V	46.0	11.8
4874.000000	---	47.21	54.00	6.79	150.0	V	46.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

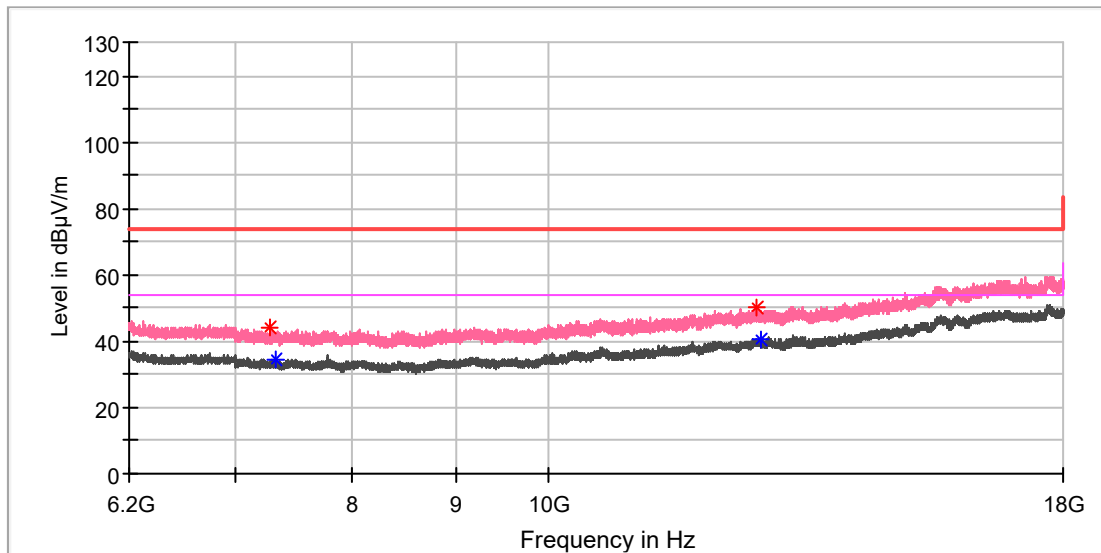
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7299.858333	43.39	---	74.00	30.61	150.0	H	173.0	8.3
7301.825000	---	34.40	54.00	19.60	150.0	H	0.0	8.3
12157.033333	---	39.93	54.00	14.07	150.0	H	310.0	14.5
12196.366667	49.41	---	74.00	24.59	150.0	H	323.0	14.6

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

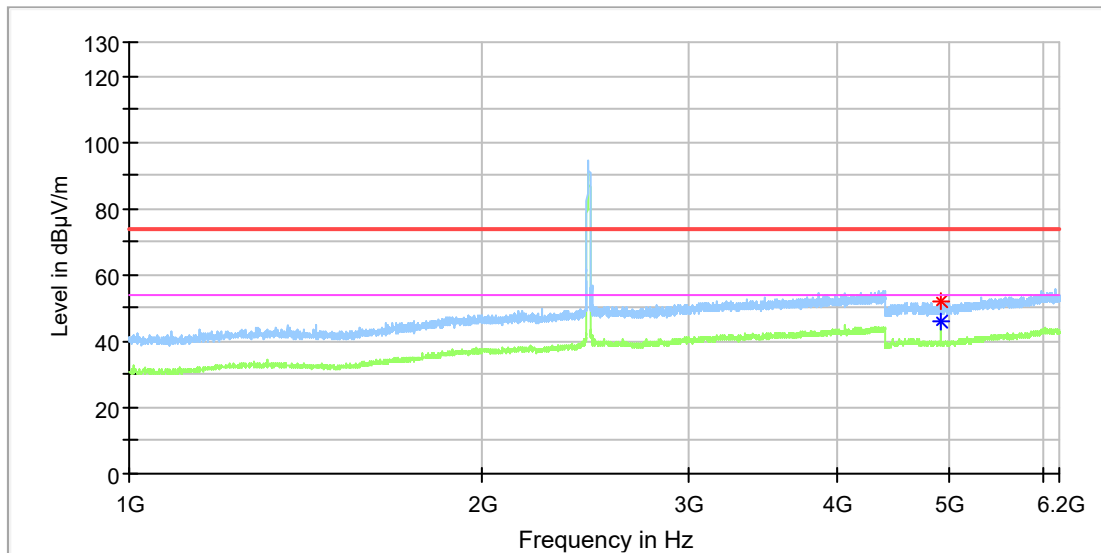
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7281.175000	43.90	---	74.00	30.10	150.0	V	247.0	8.4
7326.408333	---	34.50	54.00	19.50	150.0	V	247.0	8.1
12677.708333	50.19	---	74.00	23.81	150.0	V	0.0	15.1
12729.333333	---	40.65	54.00	13.35	150.0	V	22.0	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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

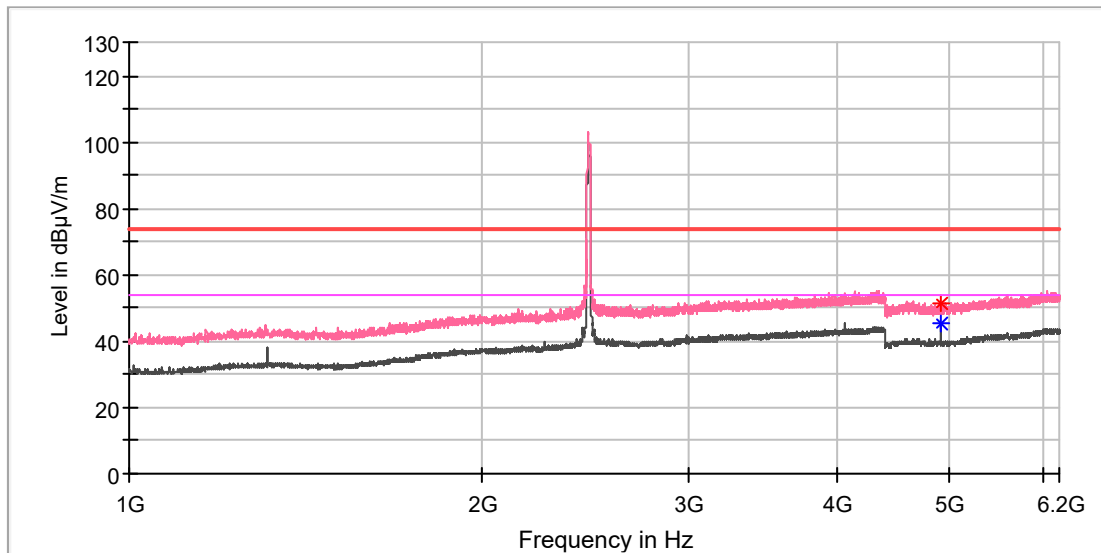
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	51.87	---	74.00	22.13	150.0	H	166.0	11.8
4924.000000	---	46.19	54.00	7.81	150.0	H	166.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

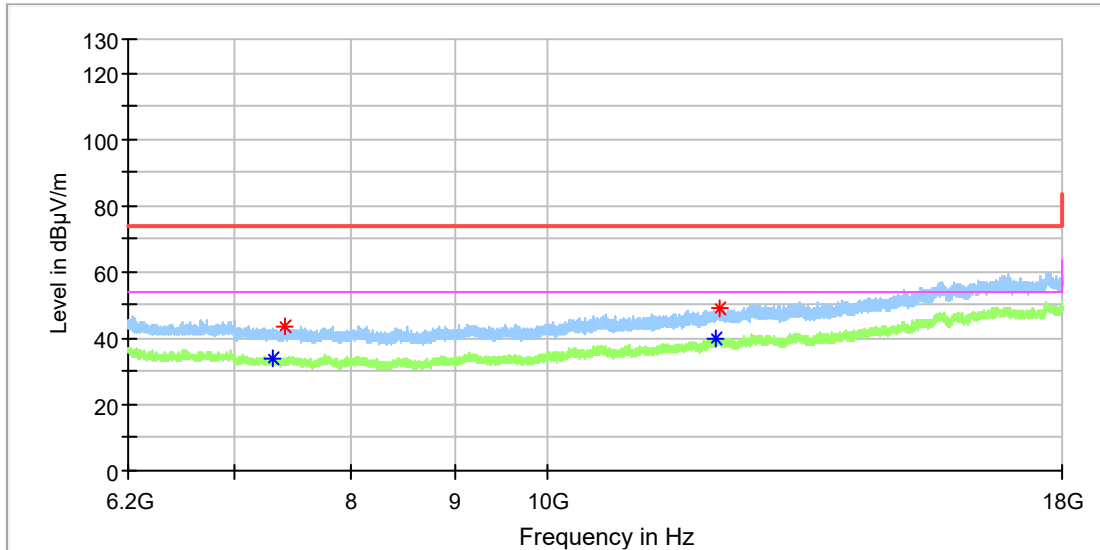
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	51.62	---	74.00	22.38	150.0	V	49.0	11.8
4924.000000	---	45.53	54.00	8.47	150.0	V	49.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

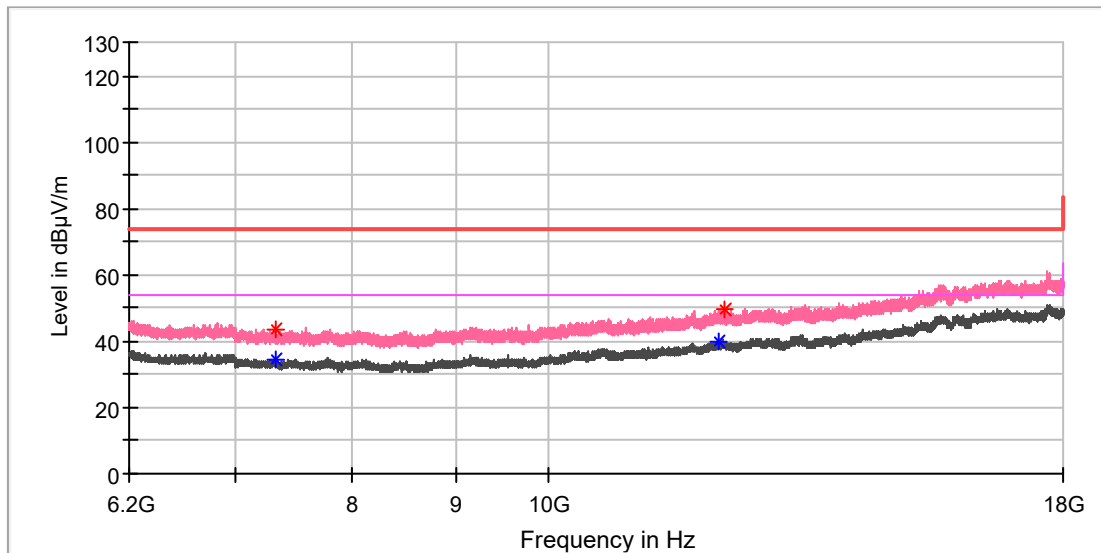
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7316.575000	---	34.09	54.00	19.91	150.0	H	204.0	8.2
7402.616667	43.30	---	74.00	30.70	150.0	H	228.0	8.3
12113.275000	---	40.03	54.00	13.97	150.0	H	346.0	14.2
12162.933333	49.11	---	74.00	24.89	150.0	H	43.0	14.5

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

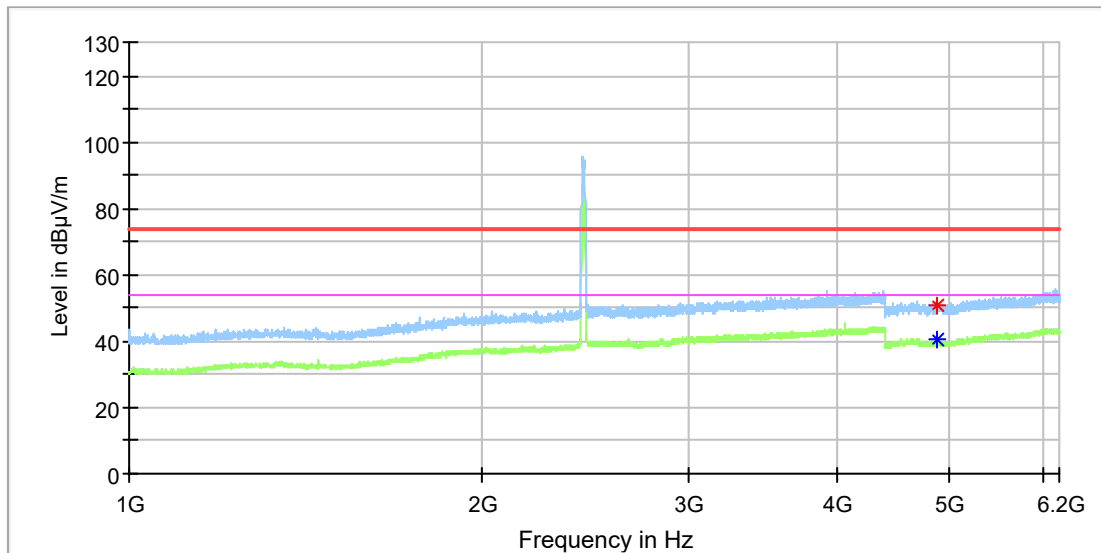
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.541667	---	34.56	54.00	19.44	150.0	V	9.0	8.2
7323.458333	43.60	---	74.00	30.40	150.0	V	200.0	8.2
12150.641667	---	39.96	54.00	14.04	150.0	V	44.0	14.4
12242.091667	49.62	---	74.00	24.38	150.0	V	32.0	14.7

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

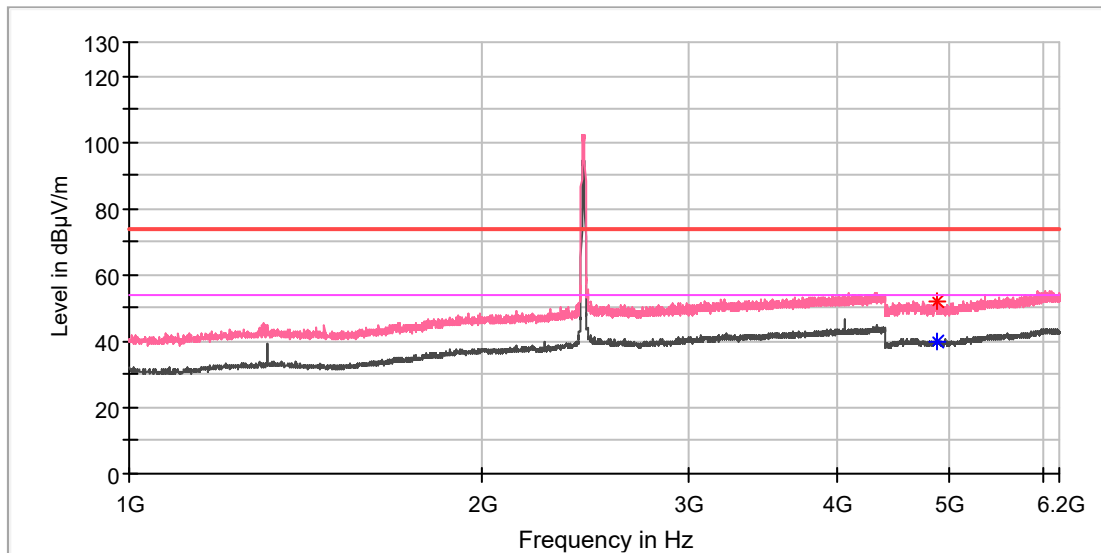
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	---	40.32	54.00	13.68	150.0	H	107.0	11.8
4876.000000	50.80	---	74.00	23.20	150.0	H	9.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

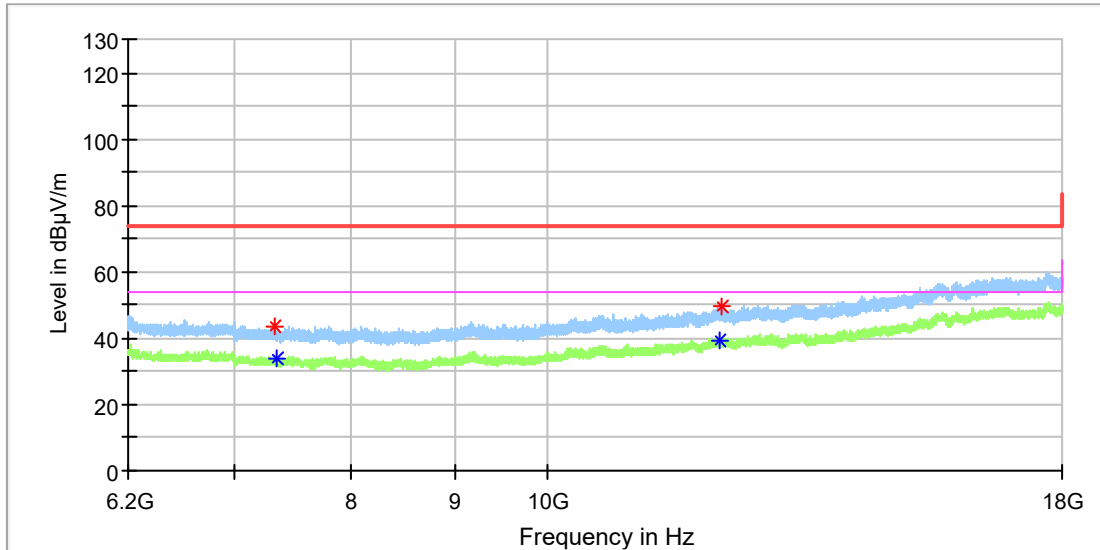
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	51.81	---	74.00	22.19	150.0	V	53.0	11.8
4870.000000	---	40.06	54.00	13.94	150.0	V	53.0	11.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

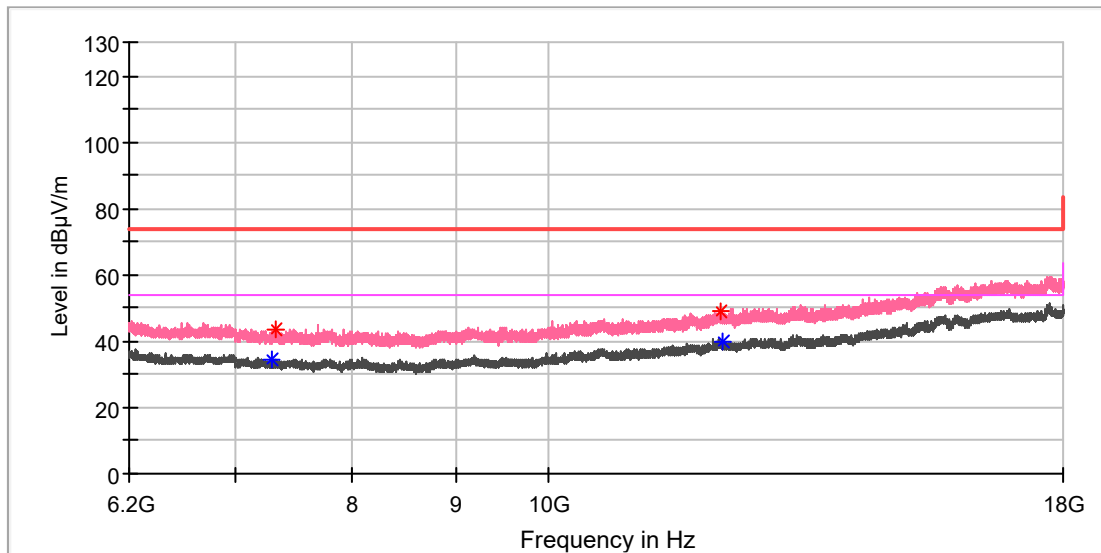
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7326.408333	43.69	---	74.00	30.31	150.0	H	130.0	8.1
7335.750000	---	34.03	54.00	19.97	150.0	H	37.0	8.1
12180.141667	---	39.51	54.00	14.49	150.0	H	13.0	14.6
12191.941667	49.43	---	74.00	24.57	150.0	H	72.0	14.6

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

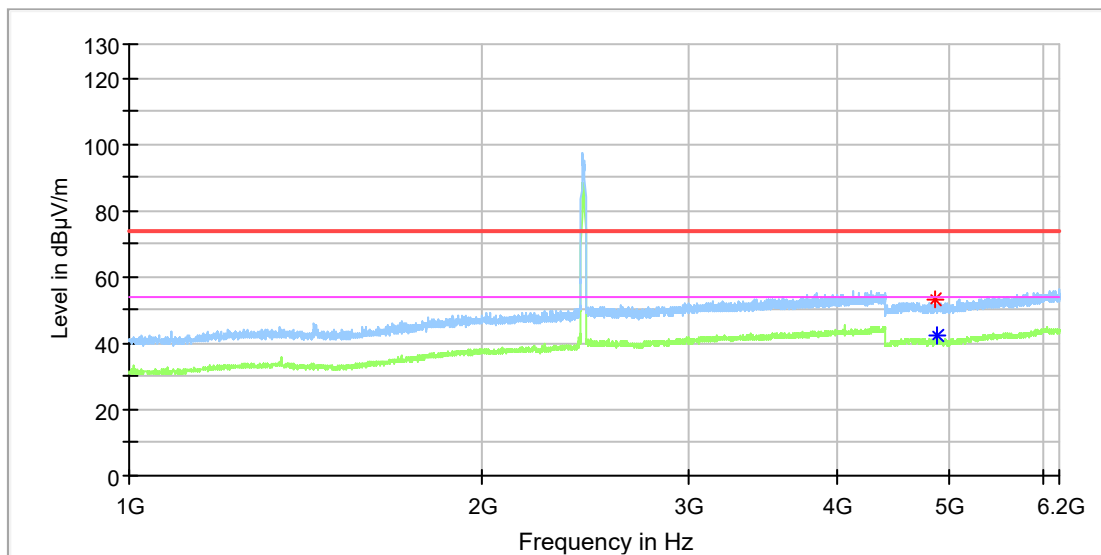
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7297.400000	---	34.54	54.00	19.46	150.0	V	186.0	8.3
7332.800000	43.28	---	74.00	30.72	150.0	V	174.0	8.1
12174.733333	49.20	---	74.00	24.80	150.0	V	76.0	14.5
12192.925000	---	40.20	54.00	13.80	150.0	V	221.0	14.6

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

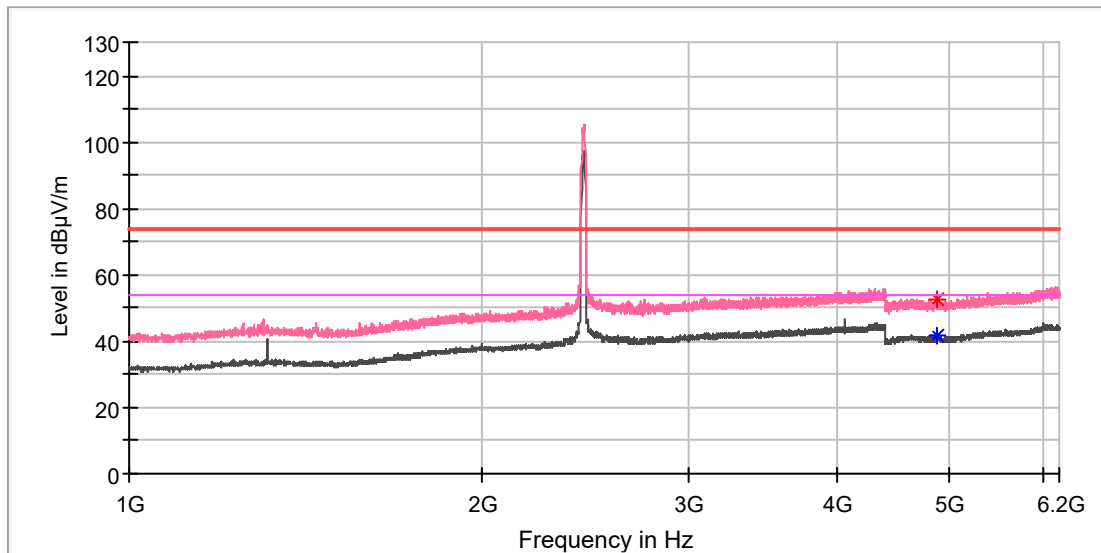
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4855.500000	53.12	---	74.00	20.88	150.0	H	173.0	11.8
4873.500000	---	42.59	54.00	11.41	150.0	H	52.0	11.8

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

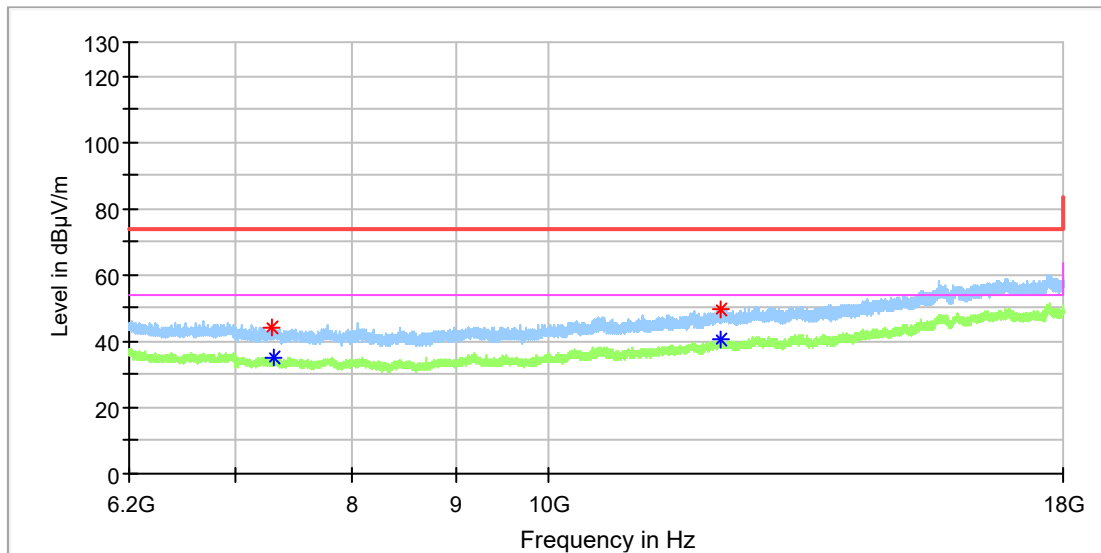
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	52.74	---	74.00	21.26	150.0	V	108.0	11.8
4873.500000	---	41.81	54.00	12.19	150.0	V	84.0	11.8

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

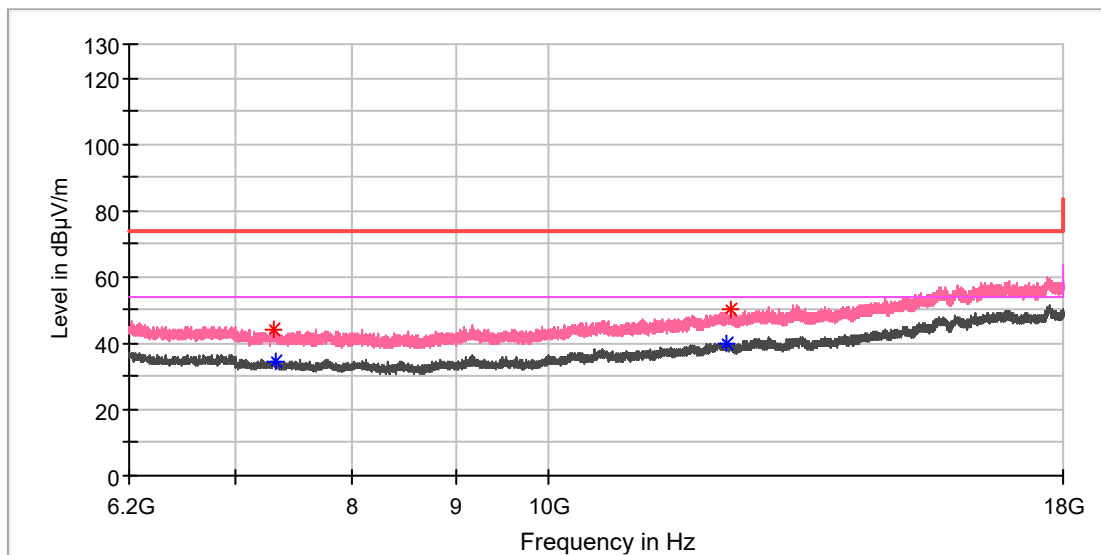
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7286.091667	44.31	---	74.00	29.69	150.0	H	81.0	8.4
7309.200000	---	35.00	54.00	19.00	150.0	H	275.0	8.2
12183.583333	49.87	---	74.00	24.13	150.0	H	357.0	14.6
12184.566667	---	40.38	54.00	13.62	150.0	H	0.0	14.6

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

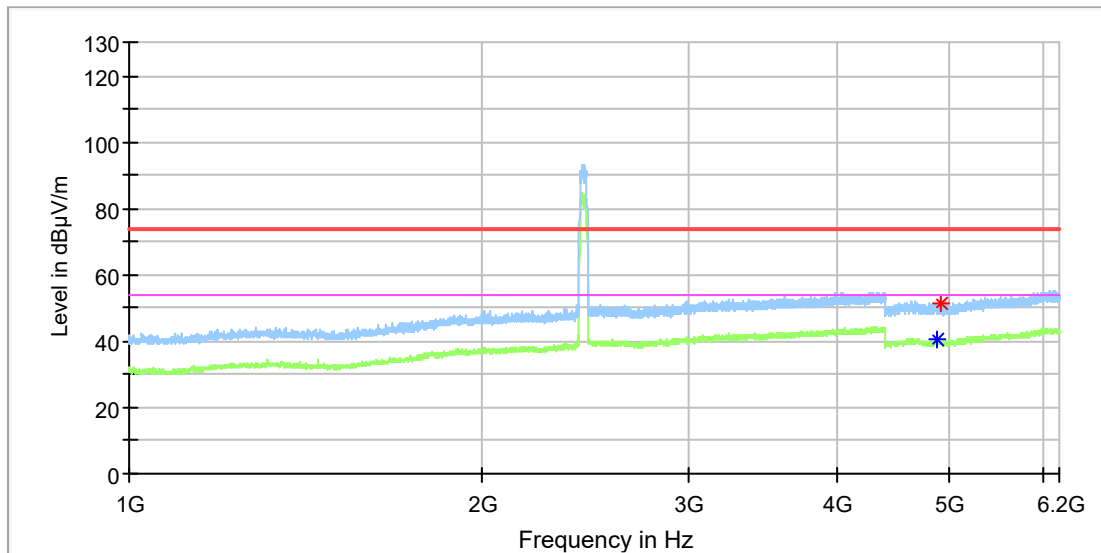
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7317.558333	43.94	---	74.00	30.06	150.0	V	274.0	8.2
7319.033333	---	34.69	54.00	19.31	150.0	V	70.0	8.2
12268.150000	---	40.17	54.00	13.83	150.0	V	166.0	14.8
12315.841667	50.18	---	74.00	23.82	150.0	V	141.0	14.9

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

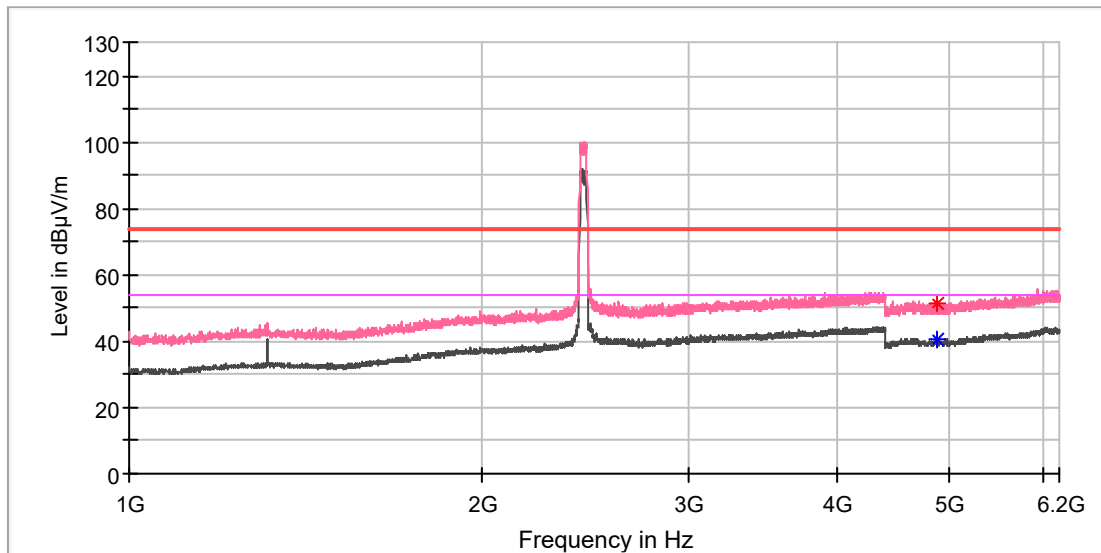
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.500000	---	40.30	54.00	13.70	150.0	H	60.0	11.8
4910.500000	51.40	---	74.00	22.60	150.0	H	118.0	11.8

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

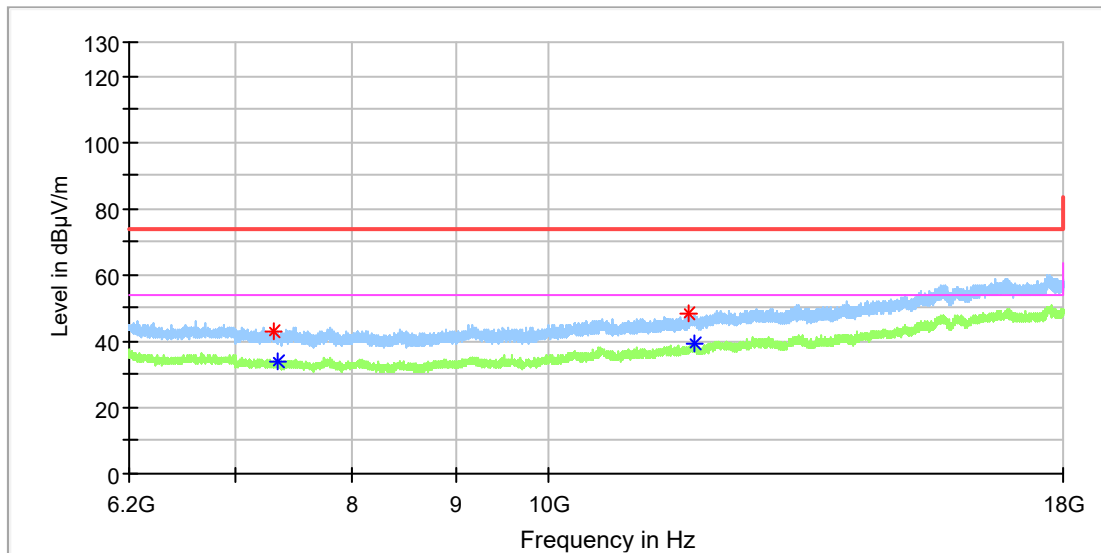
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.500000	51.62	---	74.00	22.38	150.0	V	45.0	11.8
4870.500000	---	40.27	54.00	13.73	150.0	V	88.0	11.8

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

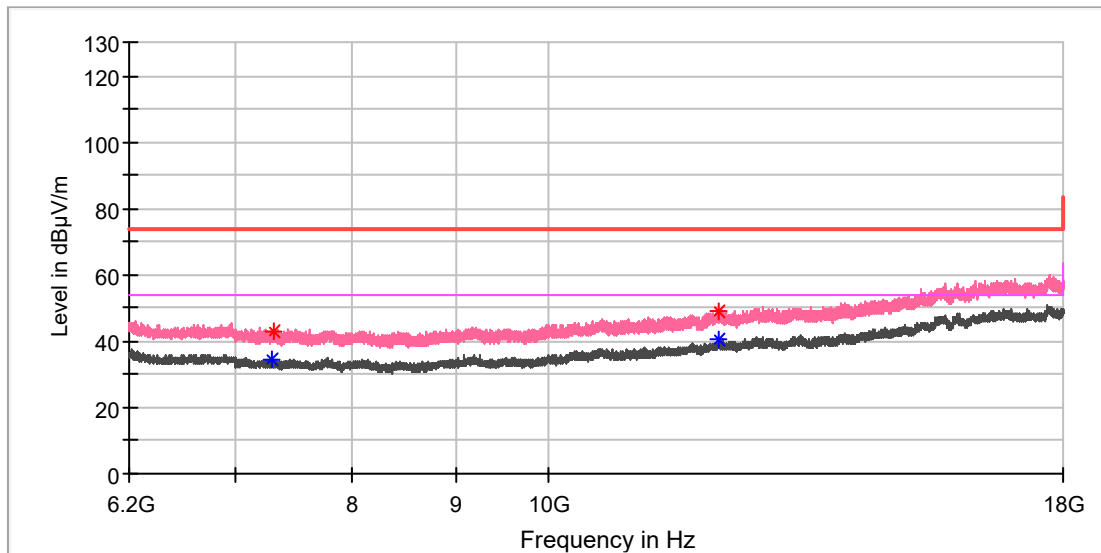
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7307.725000	42.78	---	74.00	31.22	150.0	H	310.0	8.3
7345.091667	---	34.12	54.00	19.88	150.0	H	43.0	8.1
11727.808333	48.32	---	74.00	25.68	150.0	H	261.0	13.3
11815.325000	---	39.56	54.00	14.44	150.0	H	129.0	13.5

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

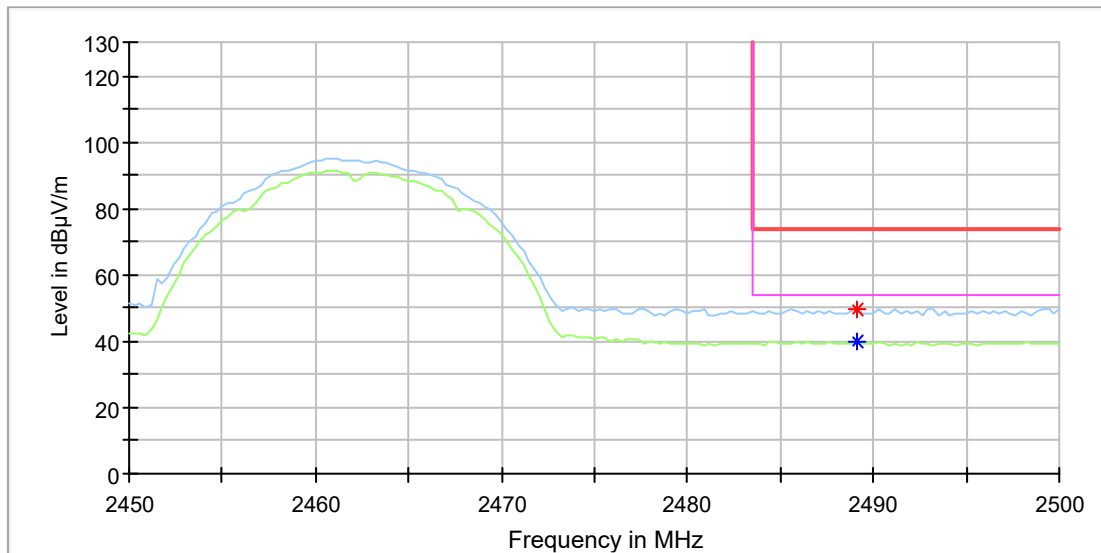
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7299.858333	---	34.43	54.00	19.57	150.0	V	56.0	8.3
7313.625000	43.20	---	74.00	30.80	150.0	V	238.0	8.2
12133.925000	48.91	---	74.00	25.09	150.0	V	1.0	14.3
12157.525000	---	40.44	54.00	13.56	150.0	V	81.0	14.5

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168455607/A003643377-002
 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)
2489.117647	---	40.02	54.00	13.98	150.0	H	40.0	7.4
2489.117647	49.79	---	74.00	24.21	150.0	H	40.0	7.4

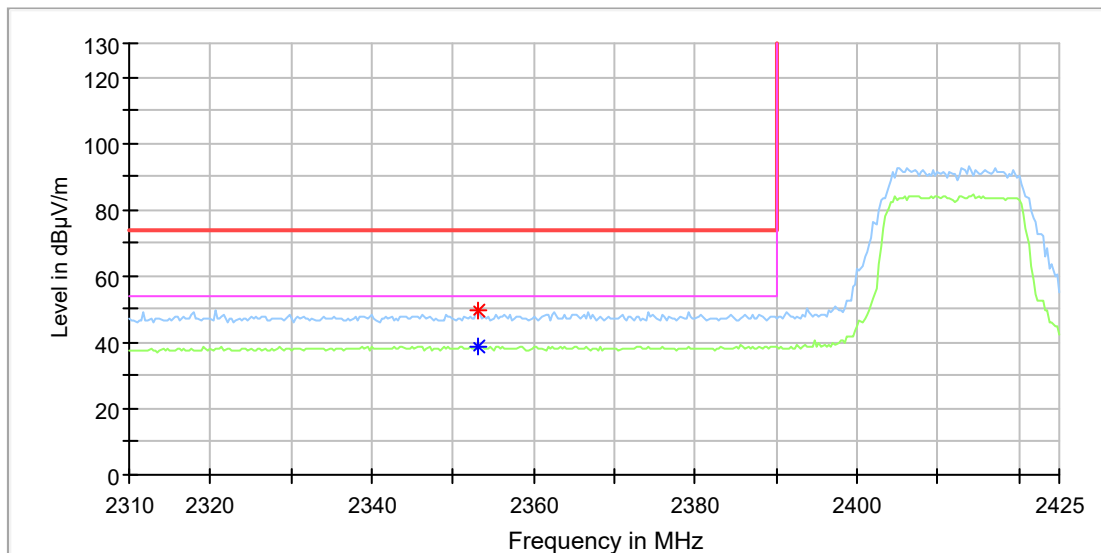
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 g mode

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168455607/A003643377-002
 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)
2353.235294	---	38.81	54.00	15.19	150.0	H	115.0	6.9
2353.235294	49.66	---	74.00	24.34	150.0	H	115.0	6.9

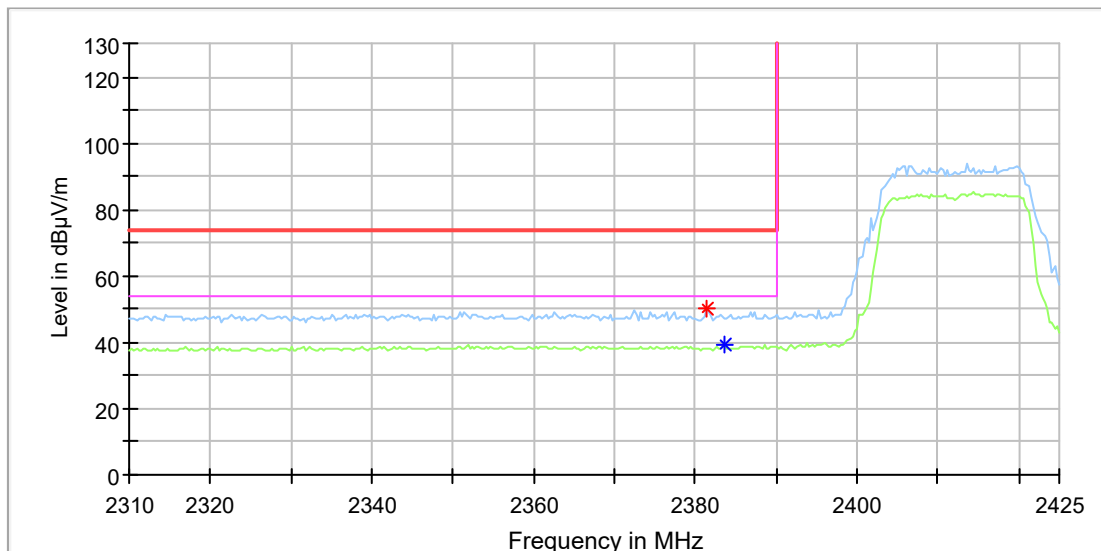
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

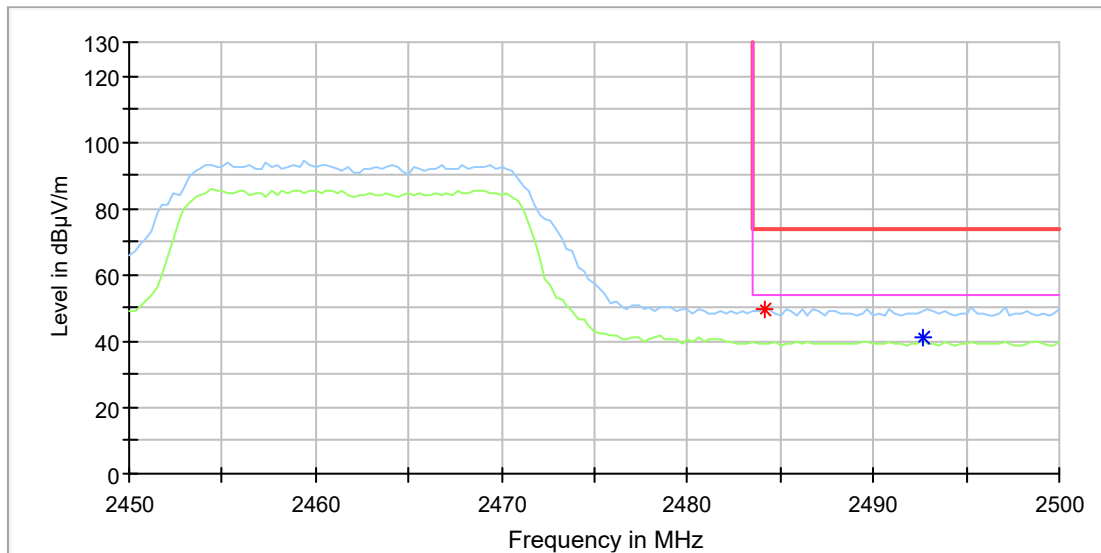
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2381.470588	50.46	---	74.00	23.54	150.0	H	117.0	7.0
2383.529412	---	39.03	54.00	14.97	150.0	H	191.0	7.0

Final Result

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

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 3
Test Mode:	WIFI 2.4G_11n20_Ch11
Order No/Sample No:	168455607/A003643377-002
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)
2484.117647	49.85	---	74.00	24.15	150.0	H	1.0	7.4
2492.647059	---	40.88	54.00	13.12	150.0	H	170.0	7.4

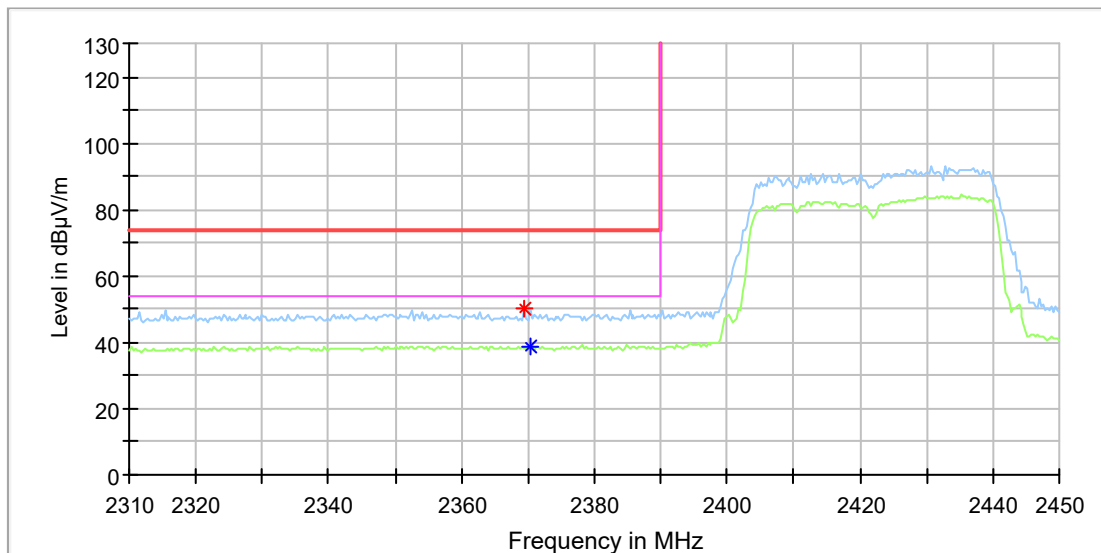
Final Result

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

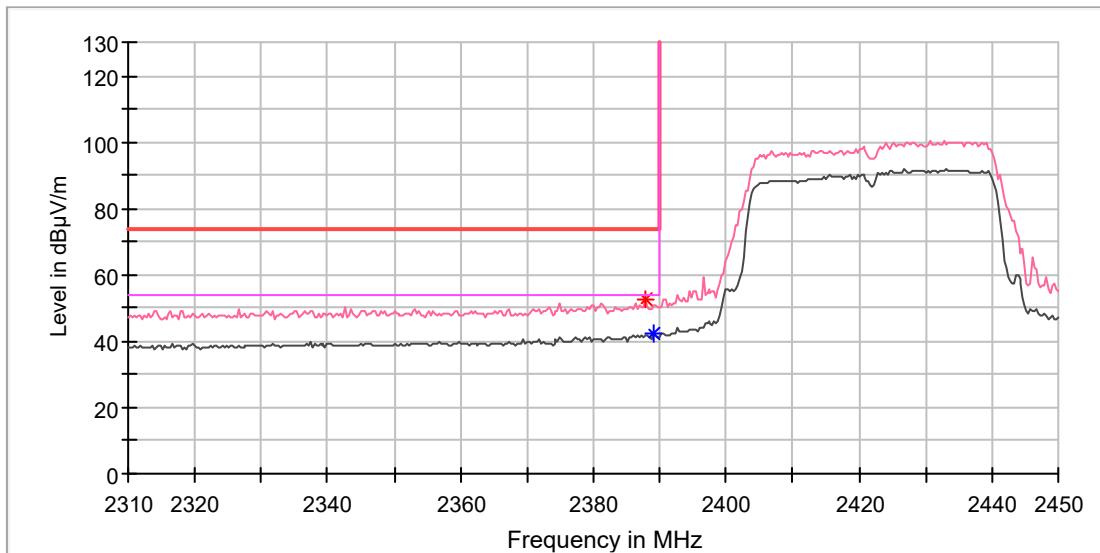
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2369.411765	49.89	---	74.00	24.11	150.0	H	134.0	6.9
2370.294118	---	38.89	54.00	15.11	150.0	H	19.0	6.9

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: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

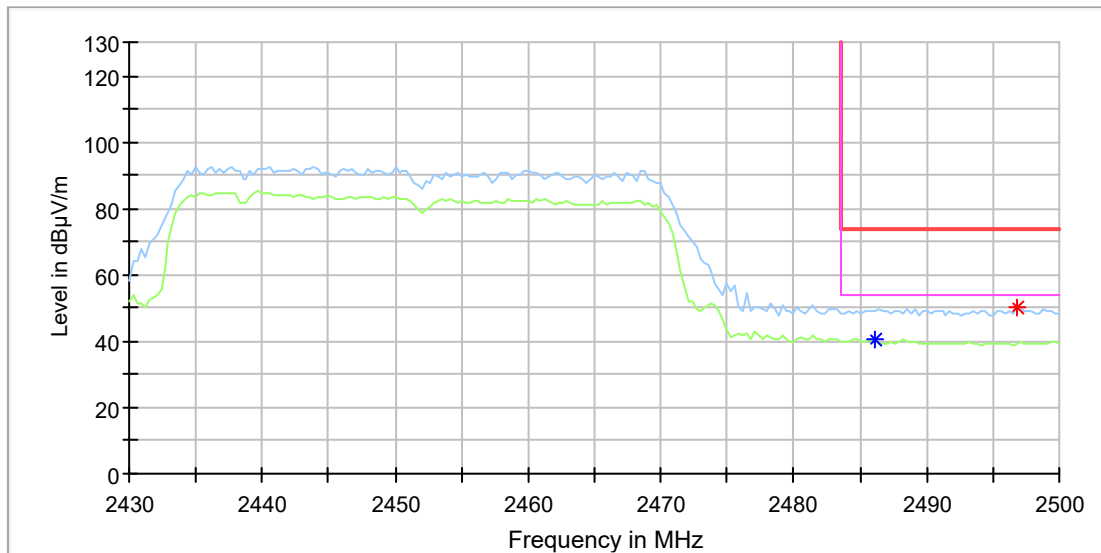
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.941177	52.55	---	74.00	21.45	150.0	V	266.0	7.0
2389.117647	---	42.19	54.00	11.81	150.0	V	0.0	7.0

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RCV 3
 Test Mode: WIFI 2.4G_11n40_Ch9
 Order No/Sample No: 168455607/A003643377-002
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

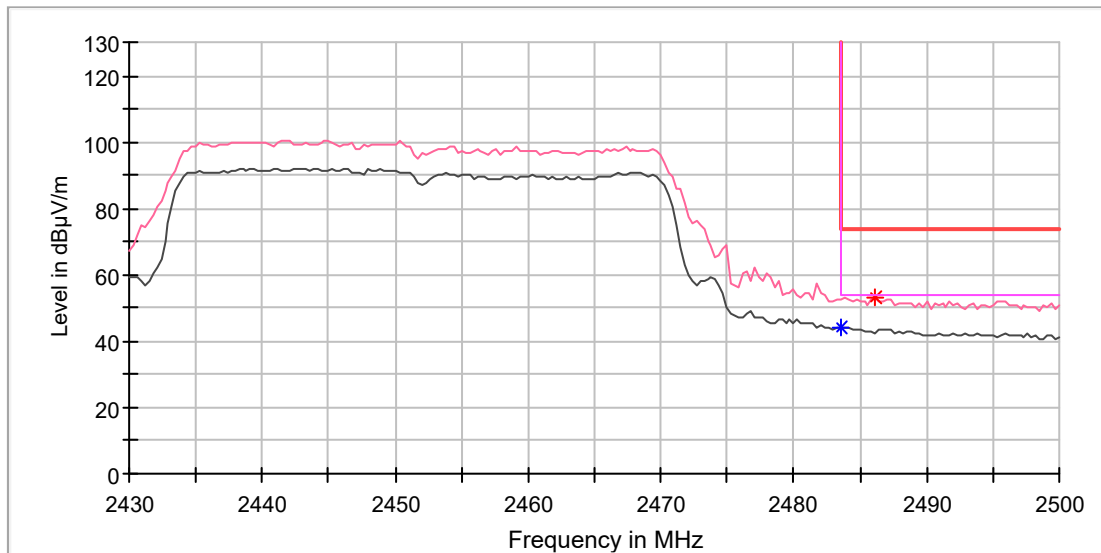
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.176471	---	40.60	54.00	13.40	150.0	H	279.0	7.4
2496.764706	50.41	---	74.00	23.59	150.0	H	120.0	7.4

Final Result

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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 3
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168455607/A003643377-002
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)
2483.529412	---	44.08	54.00	9.92	150.0	V	38.0	7.4
2486.176471	53.39	---	74.00	20.61	150.0	V	25.0	7.4

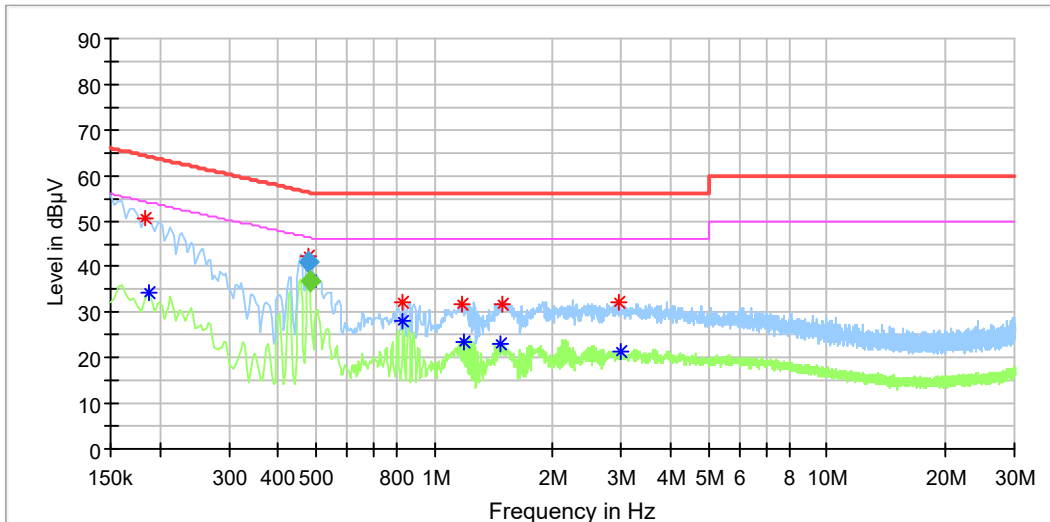
Final Result

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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Order Number:	168455607
Model:	RCV 3
Test Mode:	Charging + 2.4GHz WiFi Link
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Eric Guo/ Gary Chen
Tem./Hum./Pressure:	24.3°C/51.2%/101kPa
Remark:	SR2



Critical Freqs

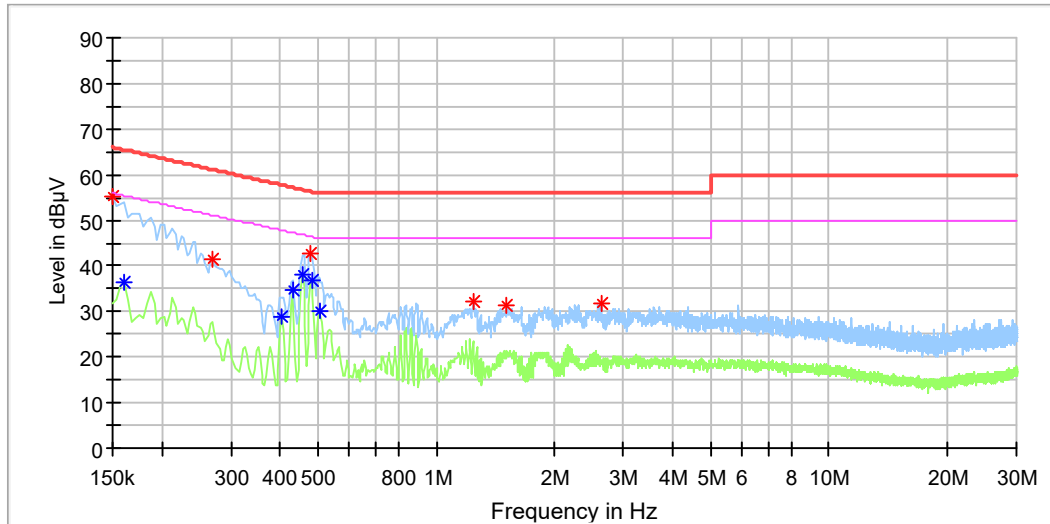
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.183581	50.62	---	64.32	13.70	L1	9.9
0.187313	---	34.46	54.16	19.69	L1	9.9
0.477850	42.30	---	56.37	14.07	L1	10.0
0.481850	---	36.95	46.37	9.42	L1	10.0
0.829088	32.21	---	56.00	23.79	L1	10.0
0.832819	---	28.02	46.00	17.98	L1	10.0
1.179825	31.95	---	56.00	24.05	L1	10.1
1.187288	---	23.56	46.00	22.44	L1	10.1
1.478325	---	22.99	46.00	23.01	L1	10.1
1.493250	31.82	---	56.00	24.18	L1	10.1
2.940975	32.36	---	56.00	23.64	L1	10.2
2.982019	---	21.27	46.00	24.73	L1	10.2

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.477850	41.02	---	56.38	15.36	1000.0	9.000	L1	10.0
0.481850	---	36.86	46.31	9.45	1000.0	9.000	L1	10.0

EUT Information

EUT Name: Robot Vacuum Cleaner
 Order Number: 168455607
 Model: RCV 3
 Test Mode: Charging + 2.4GHz WiFi Link
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Eric Guo/ Gary Chen
 Tem./Hum./Pressure: 24.3°C/51.2%/101kPa
 Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	55.17	---	66.00	10.83	N	9.8
0.161194	---	36.62	55.40	18.78	N	9.8
0.269400	41.31	---	61.14	19.82	N	9.8
0.403725	---	28.88	47.78	18.90	N	9.8
0.429844	---	34.83	47.26	12.42	N	9.8
0.455963	---	38.09	46.77	8.67	N	9.8
0.478350	42.77	---	56.37	13.60	N	9.8
0.482081	---	36.64	46.30	9.66	N	9.8
0.504469	---	29.99	46.00	16.01	N	9.8
1.243256	32.23	---	56.00	23.77	N	9.8
1.508175	31.47	---	56.00	24.53	N	9.8
2.627550	31.78	---	56.00	24.22	N	9.9