

Appendix A: Test Results of 2.4GHz Wi-Fi

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Appendix A.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-0.77	≤8.00	PASS
		2437	0.60	≤8.00	PASS
		2462	2.30	≤8.00	PASS
11G	Ant1	2412	-7.18	≤8.00	PASS
		2437	-6.08	≤8.00	PASS
		2462	-5.73	≤8.00	PASS
11N20SISO	Ant1	2412	-5.98	≤8.00	PASS
		2437	-6.10	≤8.00	PASS
		2462	-4.53	≤8.00	PASS
11N40SISO	Ant1	2422	-9.41	≤8.00	PASS
		2437	-9.51	≤8.00	PASS
		2452	-8.34	≤8.00	PASS

11B_Ant1_2412



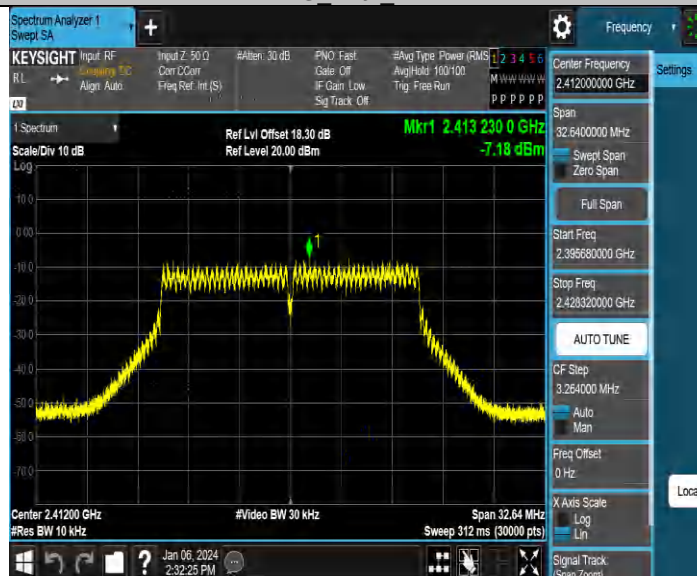
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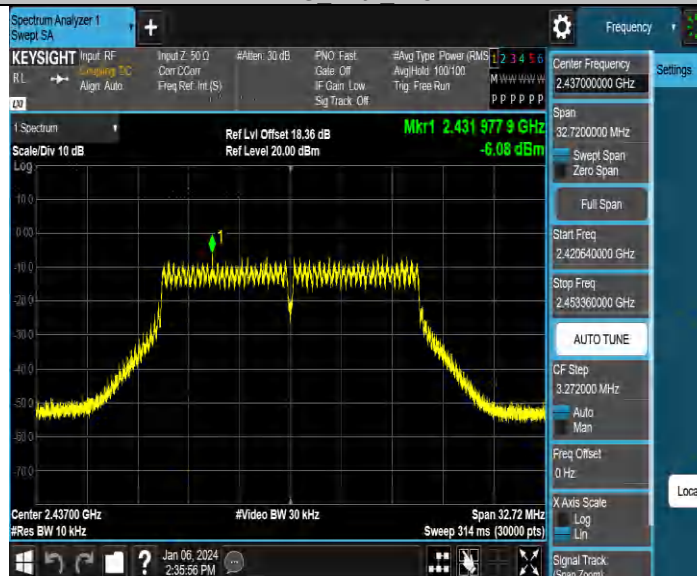
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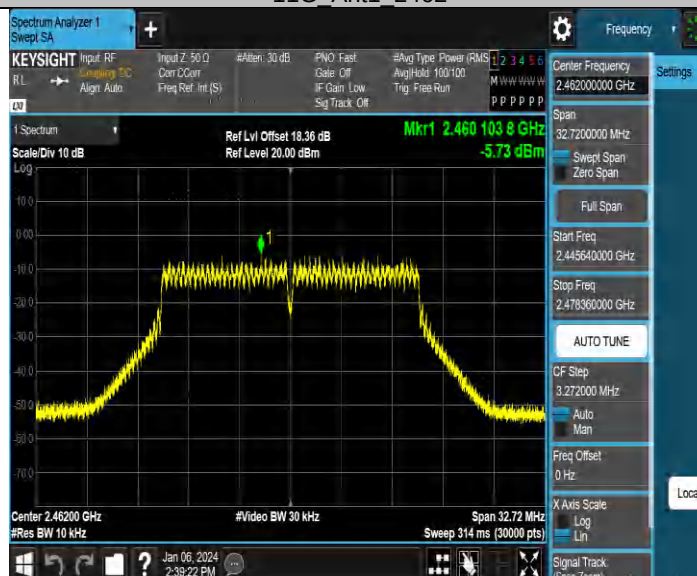
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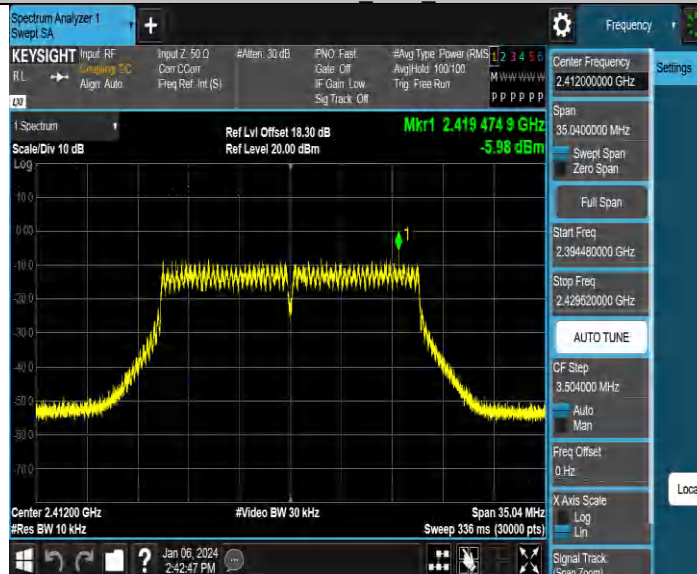
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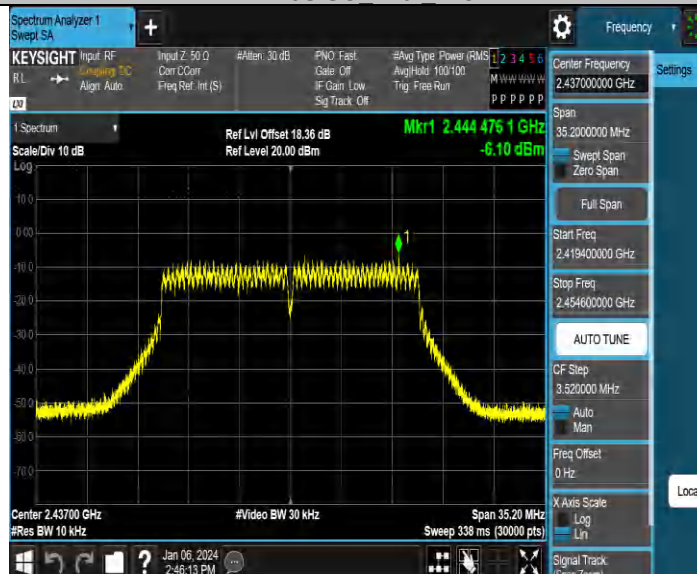
11G_Ant1_2462



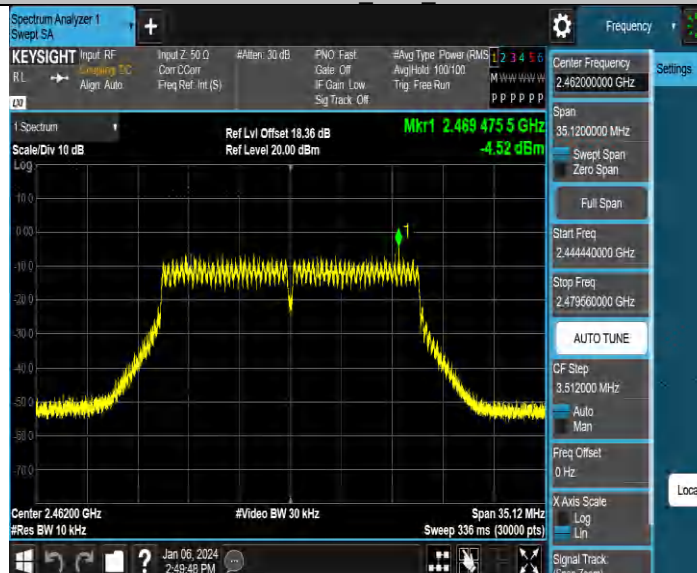
11N20SISO Ant1 2412



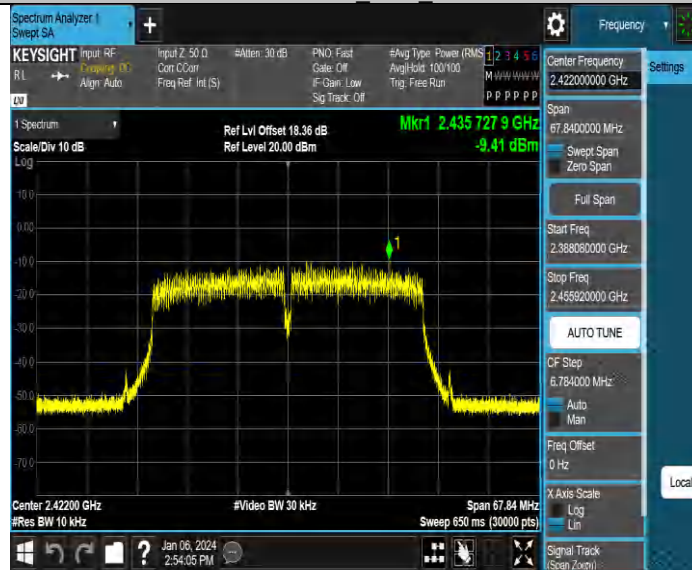
11N20SISO Ant1 2437



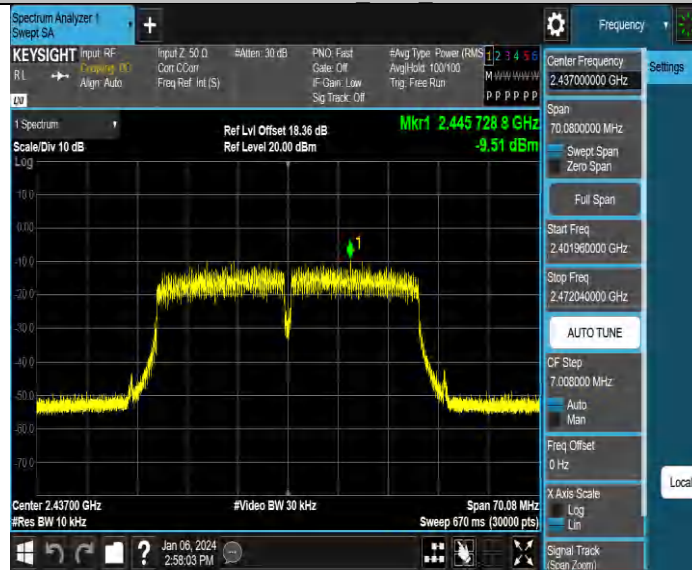
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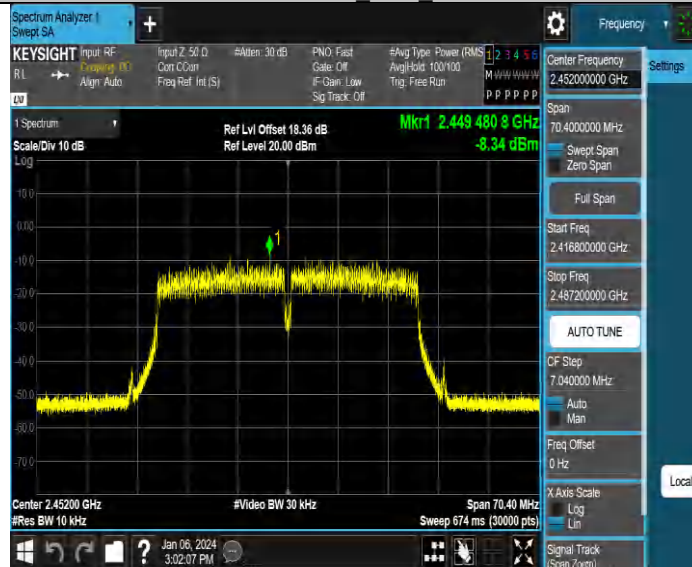
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	9.560	2456.960	2466.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	33.920	2405.680	2439.600	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.200	2434.560	2469.760	0.5	PASS

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	15.268	2404.3898	2419.6578	---	PASS
		2437	15.241	2429.3916	2444.6326	---	PASS
		2462	15.188	2454.3970	2469.5850	---	PASS
11G	Ant1	2412	17.138	2403.4332	2420.5712	---	PASS
		2437	17.071	2428.4382	2445.5092	---	PASS
		2462	17.051	2453.4664	2470.5174	---	PASS
11N20SISO	Ant1	2412	18.225	2402.9368	2421.1618	---	PASS
		2437	18.142	2427.9389	2446.0809	---	PASS
		2462	18.005	2452.9849	2470.9899	---	PASS
11N40SISO	Ant1	2422	36.251	2403.9621	2440.2131	---	PASS
		2437	36.274	2418.9349	2455.2089	---	PASS
		2452	36.335	2433.8825	2470.2175	---	PASS

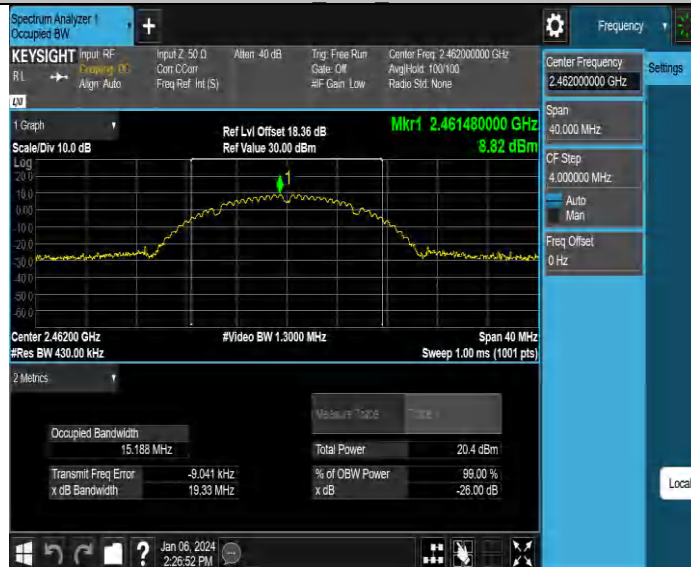
11B_Ant1_2412



11B_Ant1_2437



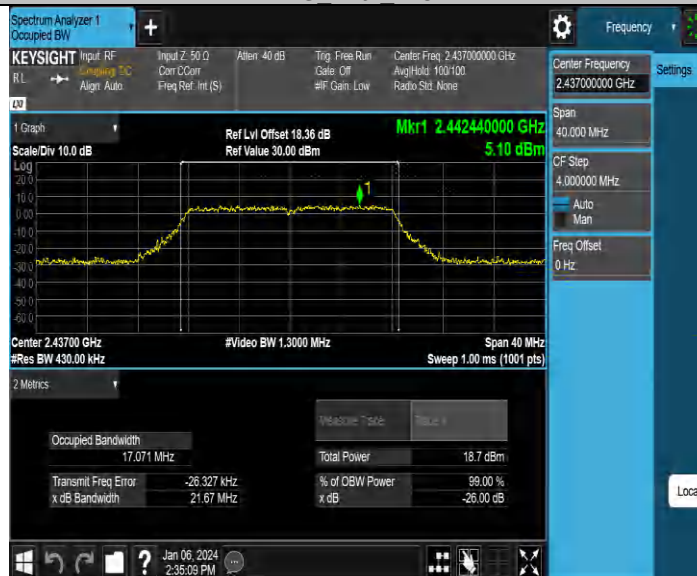
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



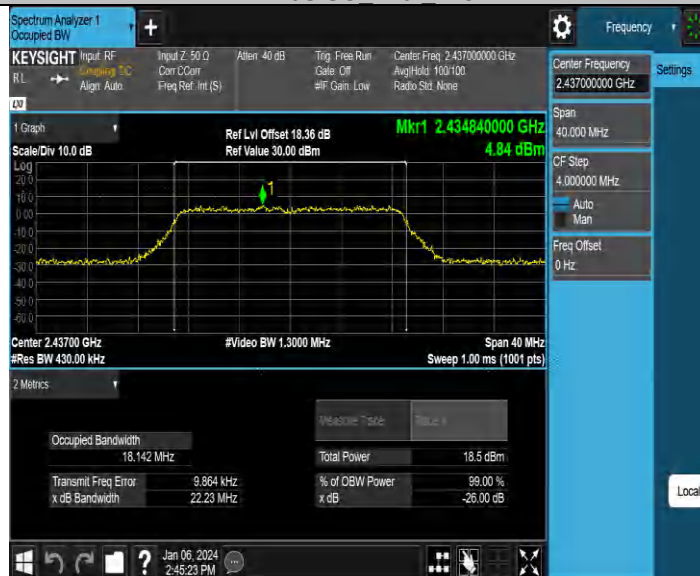
11G_Ant1_2462



11N20SISO Ant1 2412



11N20SISO Ant1 2437



11N20SISO Ant1 2462



11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	7.73	-33.2	≤-12.27	PASS
		High	2462	7.96	-39.08	≤-12.04	PASS
11G	Ant1	Low	2412	1.70	-38.33	≤-18.3	PASS
		High	2462	2.54	-39.5	≤-17.46	PASS
11N20SISO	Ant1	Low	2412	7.22	-23.89	≤-12.78	PASS
		High	2462	2.27	-39.88	≤-17.73	PASS
11N40SISO	Ant1	Low	2422	-1.24	-38.36	≤-21.24	PASS
		High	2452	-0.93	-39.17	≤-20.93	PASS

11B Ant1 Low 2412



11B Ant1 High 2462



11G Ant1 Low 2412



11G Ant1_High_2462



11N20SISO Ant1_Low_2412



11N20SISO Ant1_High_2462



11N40SISO Ant1 Low 2422



11N40SISO Ant1 High 2452



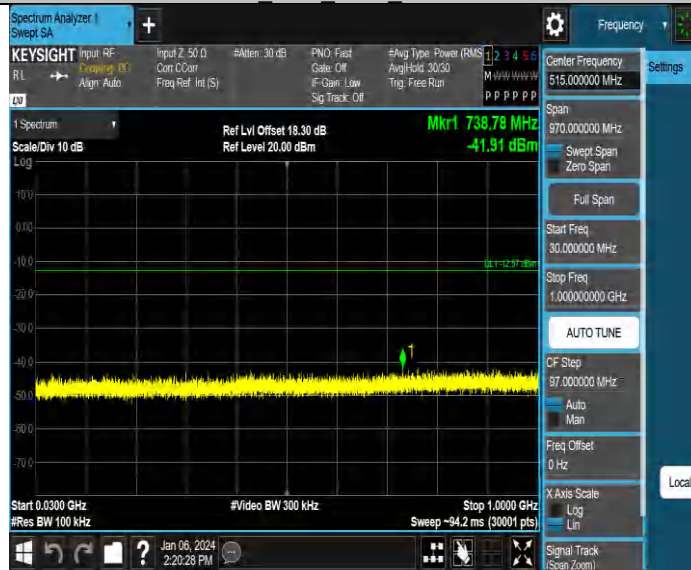
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.43	7.43	---	PASS
			30~1000	7.43	-41.91	≤-12.57	PASS
			1000~26500	7.43	-32.17	≤-12.57	PASS
		2437	Reference	6.51	6.51	---	PASS
			30~1000	6.51	-41.9	≤-13.49	PASS
			1000~26500	6.51	-31.66	≤-13.49	PASS
		2462	Reference	7.91	7.91	---	PASS
			30~1000	7.91	-41.7	≤-12.09	PASS
			1000~26500	7.91	-32.48	≤-12.09	PASS
11G	Ant1	2412	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-41.48	≤-19.32	PASS
			1000~26500	0.68	-31.96	≤-19.32	PASS
		2437	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-41.09	≤-20.61	PASS
			1000~26500	-0.61	-31.6	≤-20.61	PASS
		2462	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-41.65	≤-20.72	PASS
			1000~26500	-0.72	-32.01	≤-20.72	PASS
11N20SISO	Ant1	2412	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-40.42	≤-18.87	PASS
			1000~26500	1.13	-31.69	≤-18.87	PASS
		2437	Reference	-2.16	-2.16	---	PASS
			30~1000	-2.16	-41	≤-22.16	PASS
			1000~26500	-2.16	-31.27	≤-22.16	PASS
		2462	Reference	1.99	1.99	---	PASS
			30~1000	1.99	-41.27	≤-18.01	PASS
			1000~26500	1.99	-31.58	≤-18.01	PASS
11N40SISO	Ant1	2422	Reference	-2.58	-2.58	---	PASS
			30~1000	-2.58	-41.22	≤-22.58	PASS
			1000~26500	-2.58	-32.39	≤-22.58	PASS
		2437	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-40.9	≤-21.29	PASS
			1000~26500	-1.29	-32.26	≤-21.29	PASS
		2452	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-40.62	≤-21.29	PASS
			1000~26500	-1.29	-32.17	≤-21.29	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



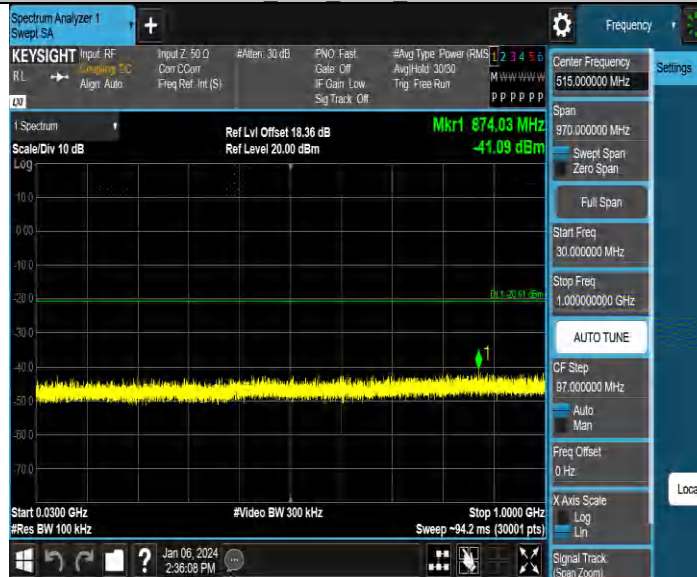
11G Ant1 2412 1000-26500



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 2462 0~Reference



11N20SISO Ant1 2462 30~1000



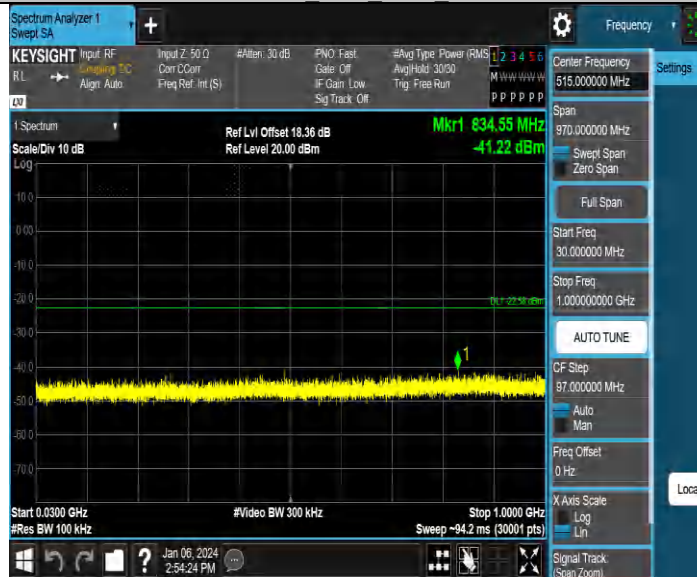
11N20SISO Ant1 2462 1000~26500



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

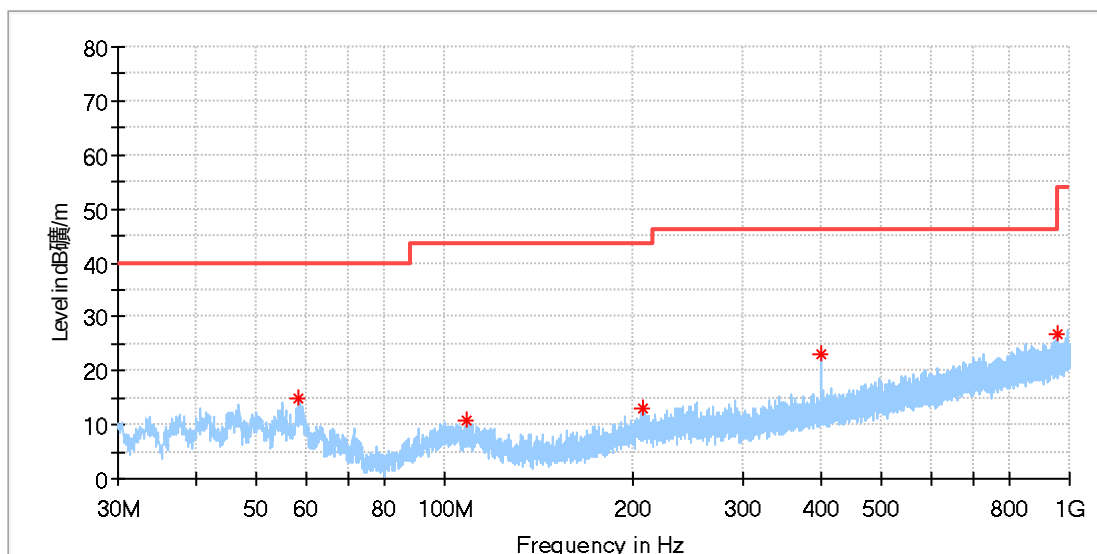
Note:

- 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 5
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

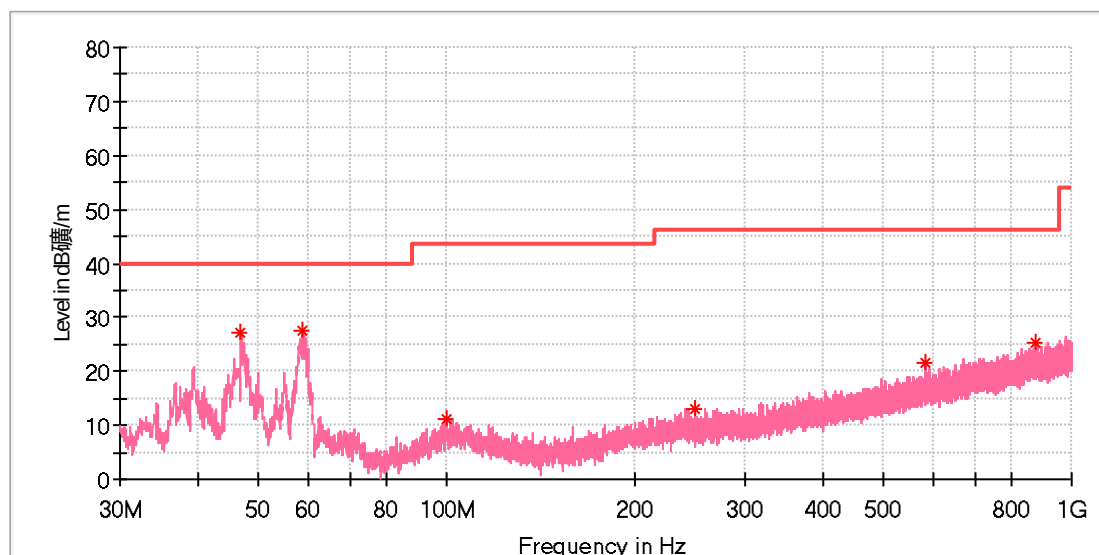
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
58.428462	15.02	40.00	24.98	100.0	H	174.0	-19.1
108.085000	10.96	43.50	32.54	100.0	H	356.0	-19.3
207.472692	13.03	43.50	30.47	100.0	H	207.0	-19.2
399.980385	22.91	46.00	23.09	100.0	H	217.0	-14.1
960.006154	26.76	54.00	27.24	100.0	H	150.0	-4.7

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 5
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168455614/A003628138-005
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)
46.863077	27.13	40.00	12.87	100.0	V	76.0	-18.9
58.764231	27.42	40.00	12.58	100.0	V	206.0	-19.2
99.616154	11.15	43.50	32.35	100.0	V	42.0	-19.4
250.115385	13.12	46.00	32.88	100.0	V	42.0	-17.7
583.534231	21.44	46.00	24.56	100.0	V	326.0	-10.5
872.967308	25.42	46.00	20.58	100.0	V	159.0	-5.7

Final_Result

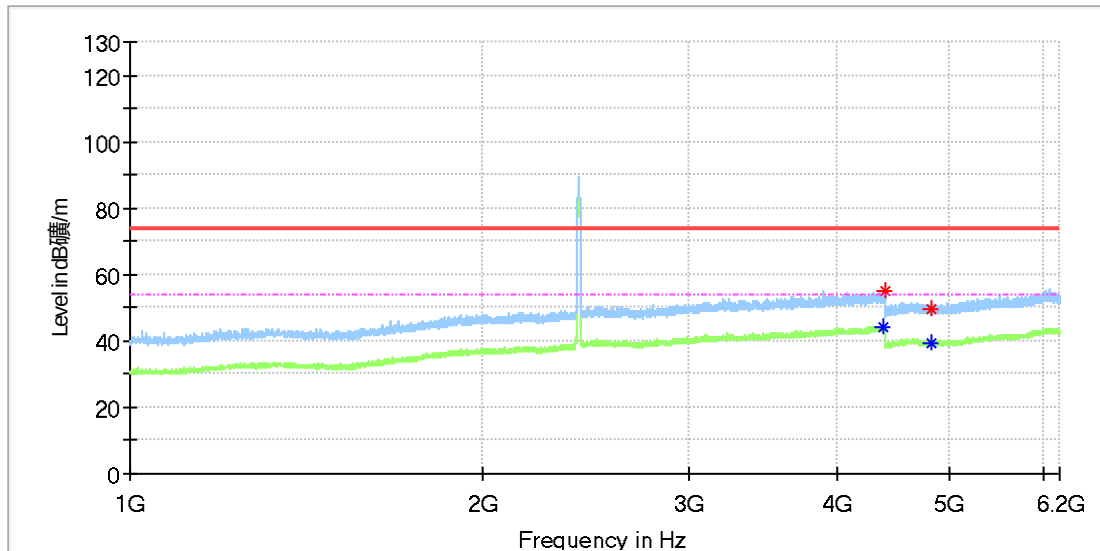
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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1GHz - 18GHz

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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 5
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

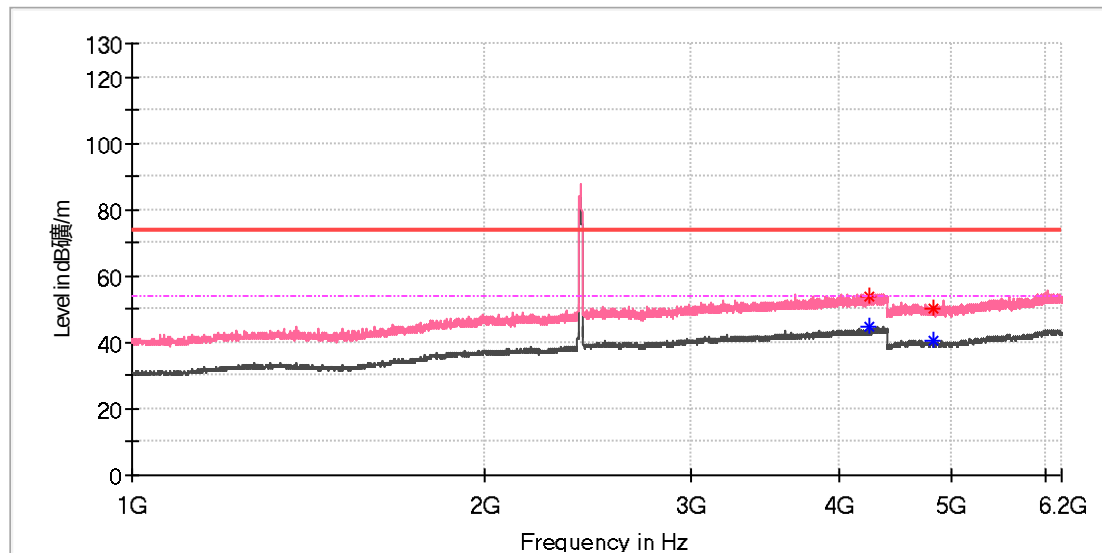
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4386.500000	---	44.26	54.00	9.74	150.0	H	341.0	10.8
4396.000000	55.03	---	74.00	18.97	150.0	H	209.0	10.8
4824.500000	---	39.33	54.00	14.67	150.0	H	164.0	11.8
4827.000000	49.88	---	74.00	24.12	150.0	H	146.0	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 5
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

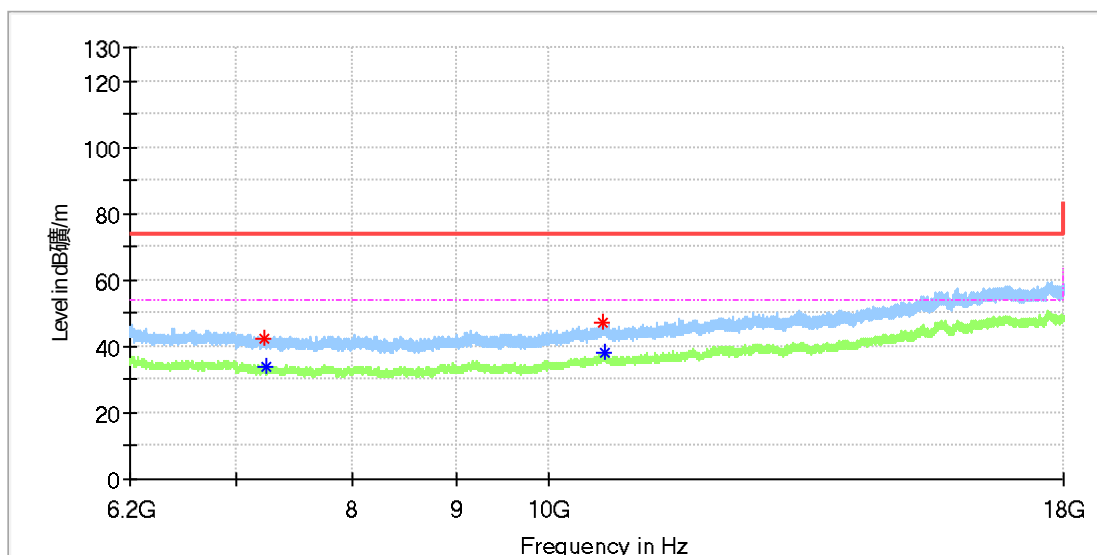
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4247.000000	---	44.65	54.00	9.35	150.0	V	343.0	10.3
4257.000000	54.05	---	74.00	19.95	150.0	V	237.0	10.3
4820.000000	---	40.31	54.00	13.69	150.0	V	48.0	11.8
4820.500000	50.14	---	74.00	23.86	150.0	V	75.0	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 5
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

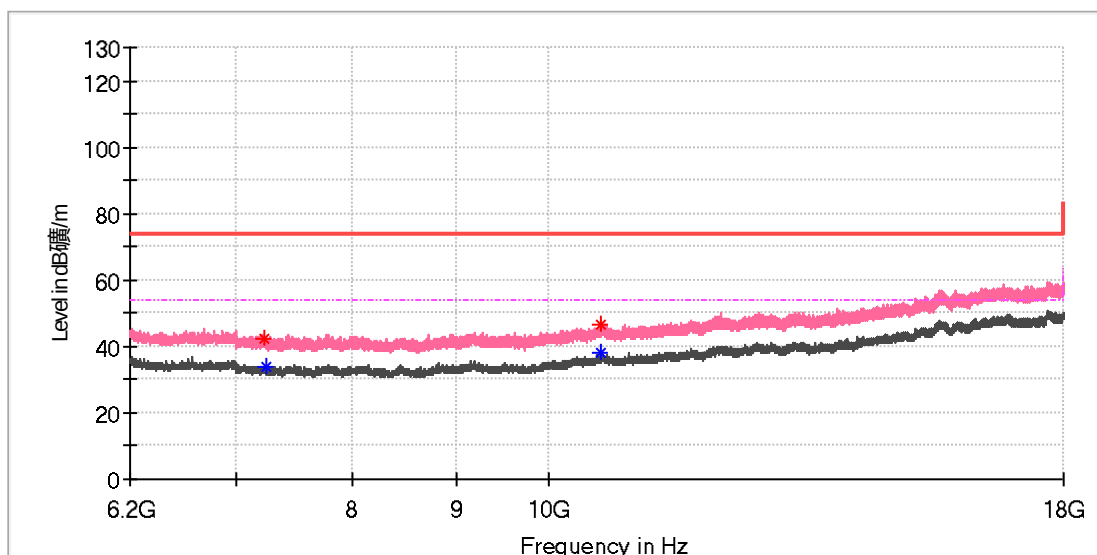
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7228.566667	42.56	---	74.00	31.44	150.0	H	188.0	8.6
7237.908333	---	33.64	54.00	20.36	150.0	H	20.0	8.6
10638.275000	46.91	---	74.00	27.09	150.0	H	8.0	12.0
10650.075000	---	38.31	54.00	15.69	150.0	H	8.0	12.0

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 5
Test Mode: WIFI 2.4G_11b_Ch1
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

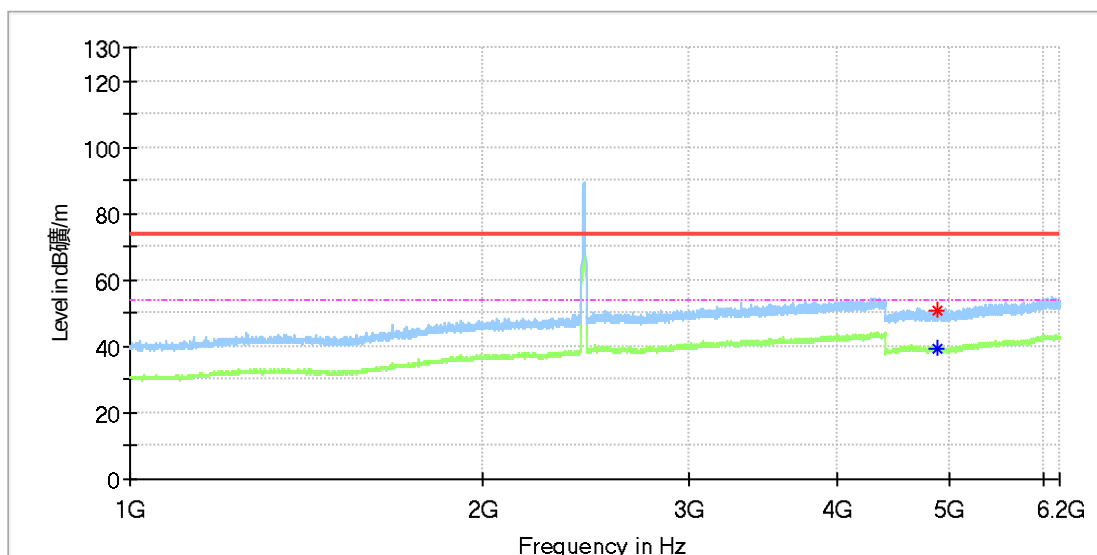
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7230.533333	42.40	---	74.00	31.60	150.0	V	105.0	8.6
7237.908333	---	34.07	54.00	19.93	150.0	V	265.0	8.6
10603.858333	---	38.15	54.00	15.85	150.0	V	58.0	12.1
10609.266667	46.69	---	74.00	27.31	150.0	V	352.0	12.1

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RCV 5
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

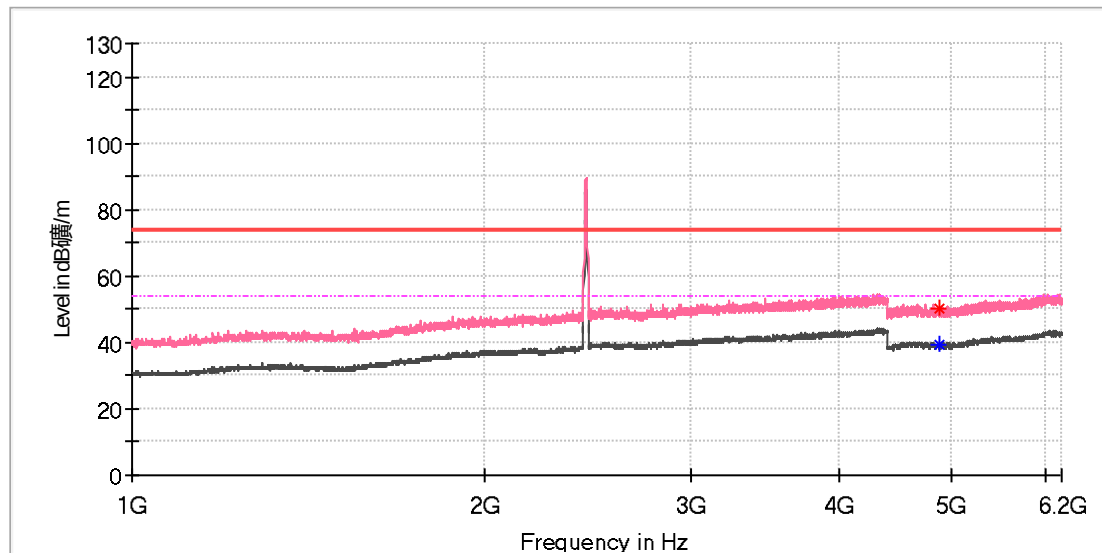
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	---	39.15	54.00	14.85	150.0	H	152.0	11.8
4884.000000	50.87	---	74.00	23.13	150.0	H	346.0	11.8

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 5
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

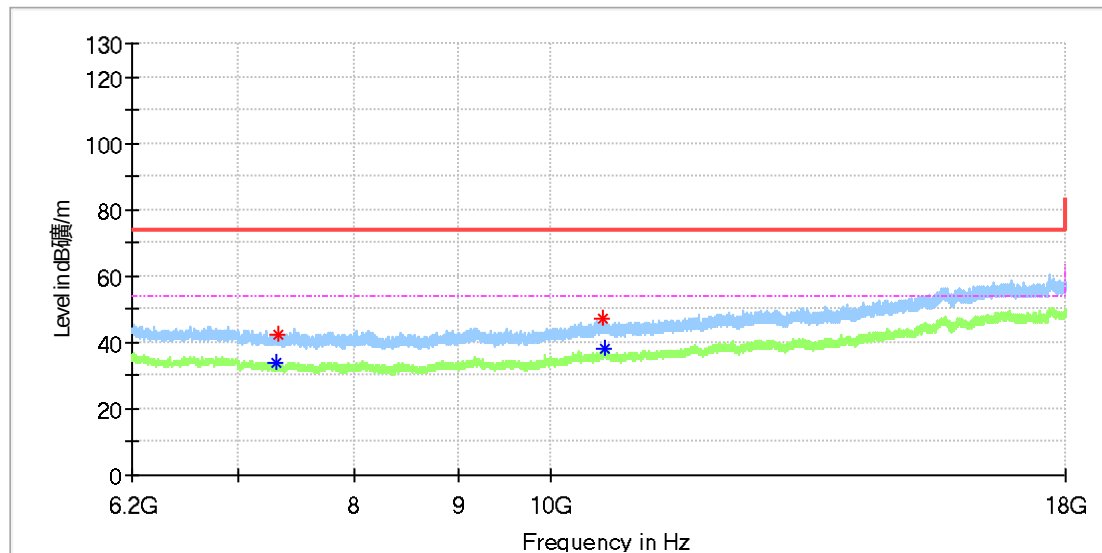
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	---	39.38	54.00	14.62	150.0	V	356.0	11.8
4879.500000	50.11	---	74.00	23.89	150.0	V	214.0	11.8

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 5
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

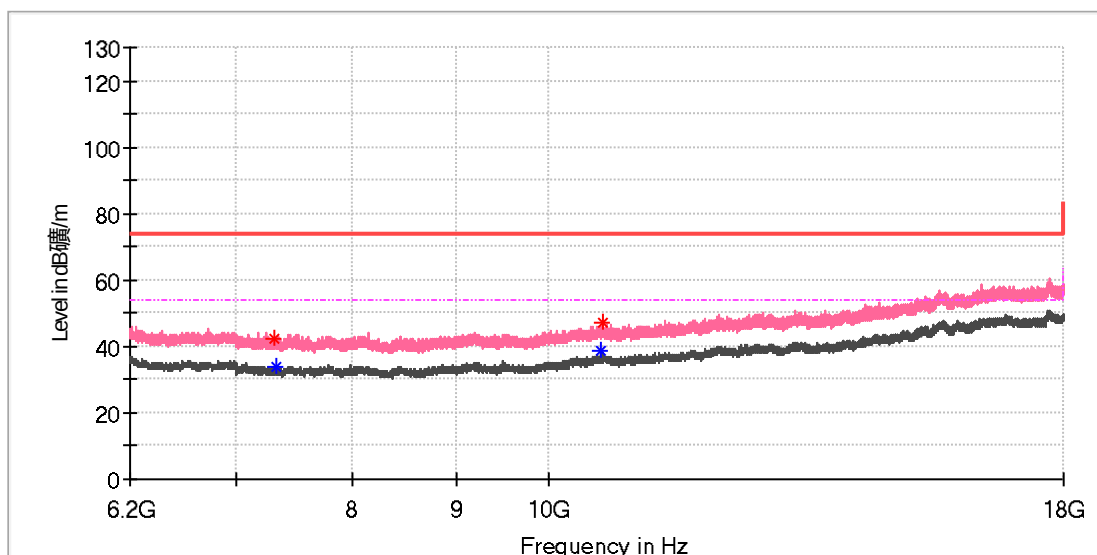
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7316.083333	---	34.05	54.00	19.95	150.0	H	198.0	8.2
7319.033333	42.37	---	74.00	31.63	150.0	H	0.0	8.2
10622.050000	47.09	---	74.00	26.91	150.0	H	0.0	12.0
10629.425000	---	37.82	54.00	16.18	150.0	H	0.0	12.0

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 5
Test Mode: WIFI 2.4G_11b_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

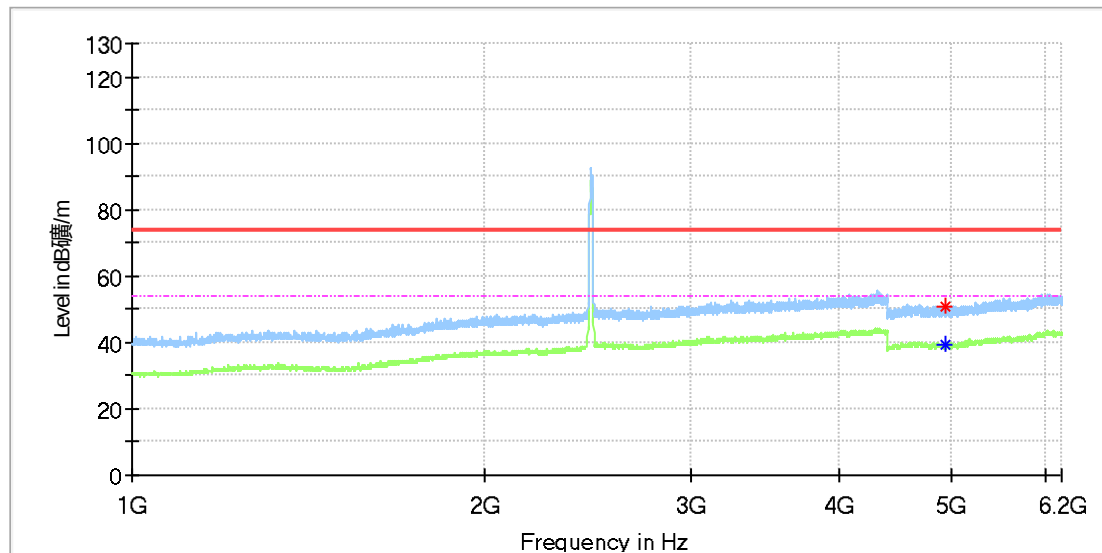
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7317.066667	42.37	---	74.00	31.63	150.0	V	110.0	8.2
7328.866667	---	33.72	54.00	20.28	150.0	V	145.0	8.1
10611.233333	---	38.48	54.00	15.52	150.0	V	110.0	12.0
10641.225000	47.05	---	74.00	26.95	150.0	V	11.0	12.0

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 5
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

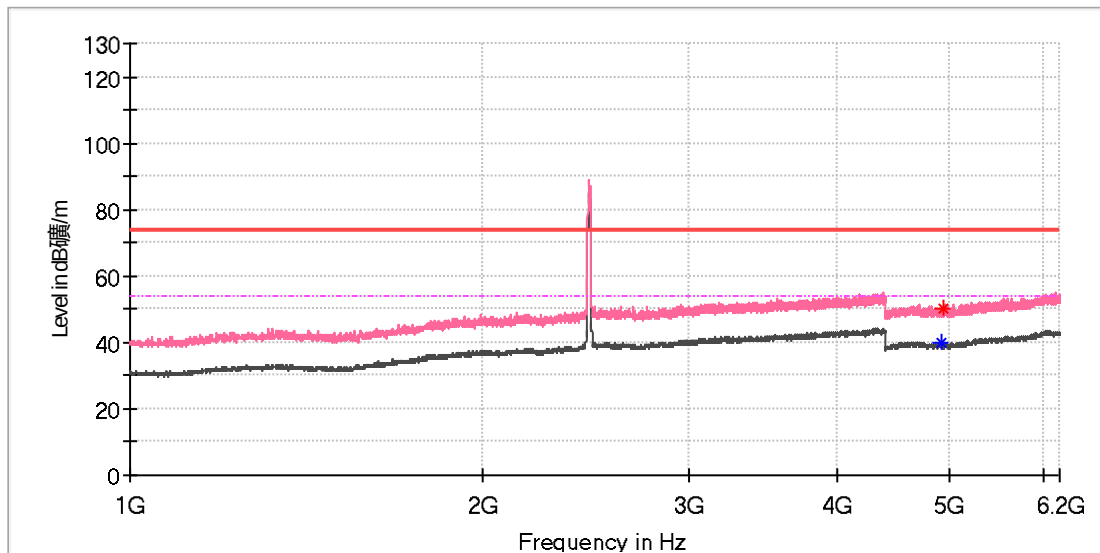
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4926.500000	---	39.34	54.00	14.66	150.0	H	155.0	11.8
4926.500000	50.50	---	74.00	23.50	150.0	H	155.0	11.8

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 5
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

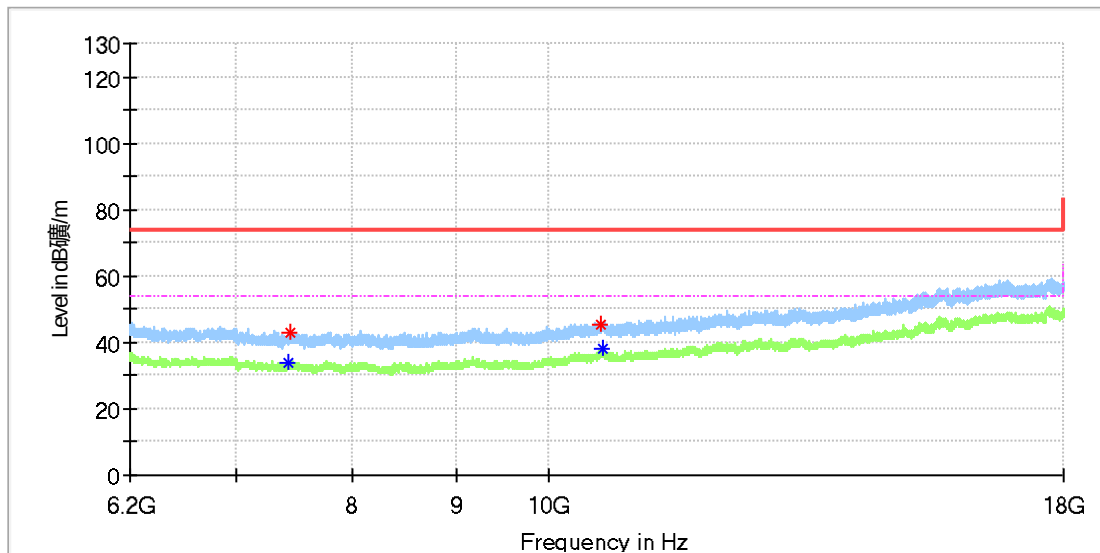
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4925.000000	---	39.70	54.00	14.30	150.0	V	274.0	11.8
4927.000000	50.07	---	74.00	23.93	150.0	V	280.0	11.8

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 5
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

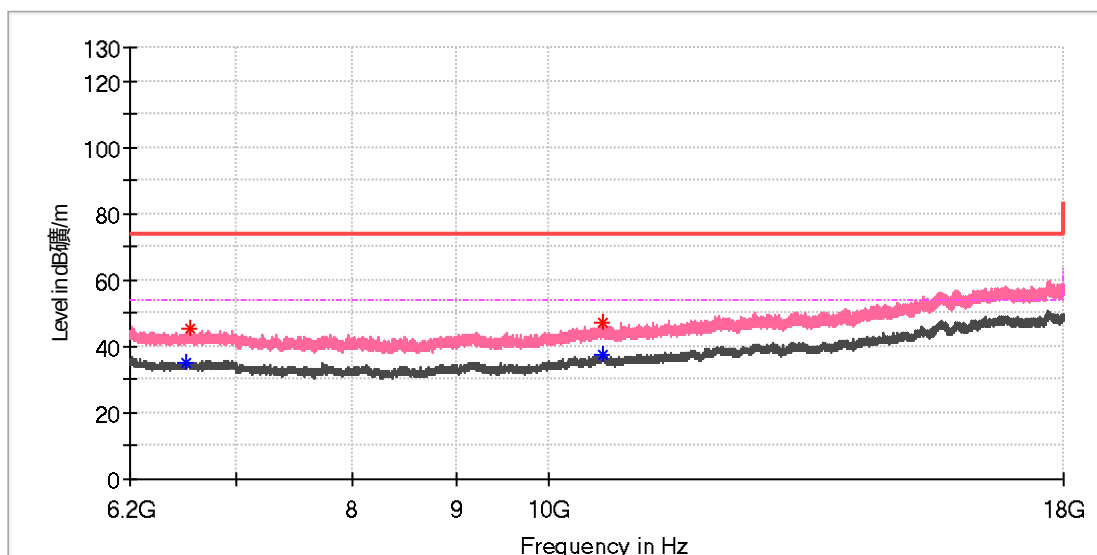
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7430.641667	---	33.92	54.00	20.08	150.0	H	332.0	8.4
7436.541667	42.97	---	74.00	31.03	150.0	H	116.0	8.4
10606.316667	45.37	---	74.00	28.63	150.0	H	344.0	12.1
10626.966667	---	38.03	54.00	15.97	150.0	H	68.0	12.0

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 5
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

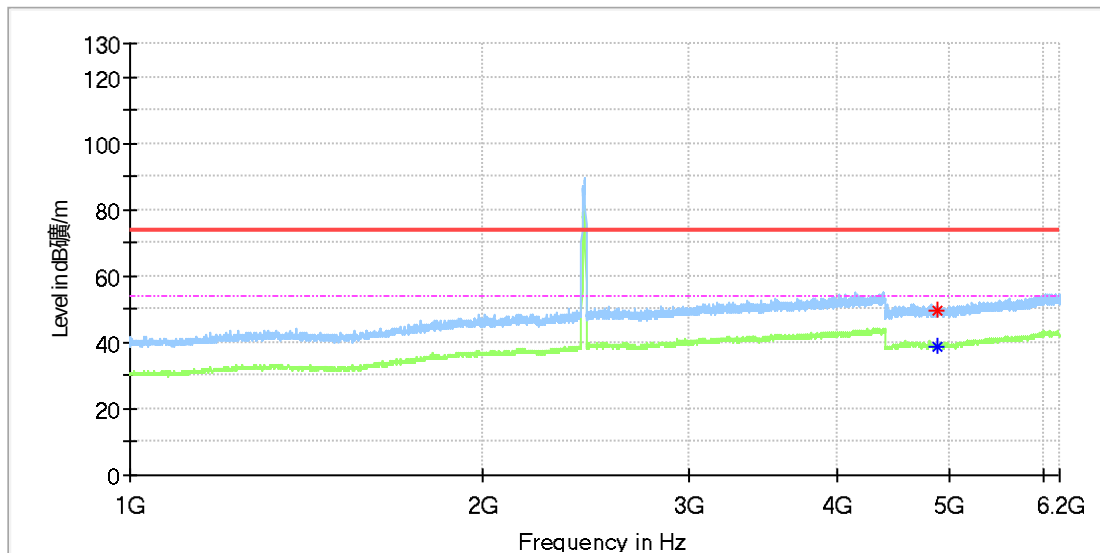
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
6613.000000	---	35.12	54.00	18.88	150.0	V	119.0	8.8
6645.450000	45.11	---	74.00	28.89	150.0	V	46.0	9.0
10630.900000	---	37.40	54.00	16.60	150.0	V	154.0	12.0
10641.716667	46.87	---	74.00	27.13	150.0	V	263.0	12.0

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 5
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

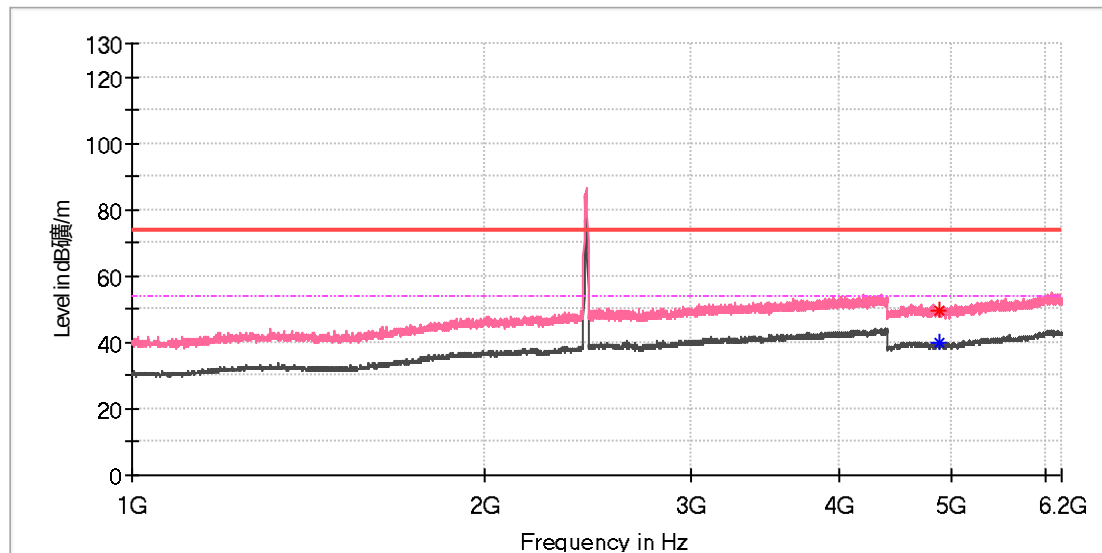
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4876.500000	---	38.68	54.00	15.32	150.0	H	65.0	11.8
4879.000000	49.64	---	74.00	24.36	150.0	H	3.0	11.8

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 5
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

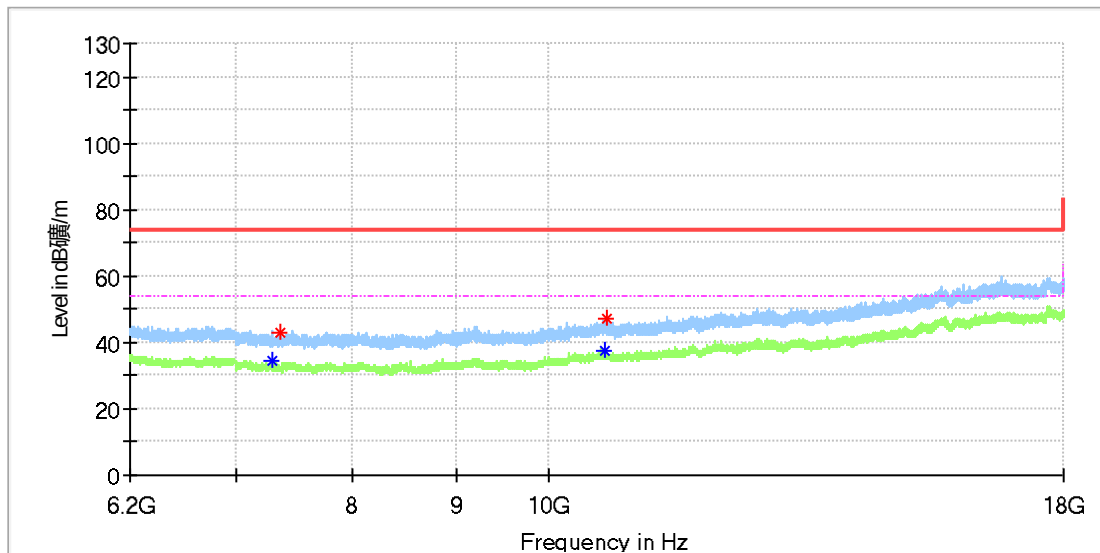
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	---	39.62	54.00	14.38	150.0	V	202.0	11.8
4873.000000	49.68	---	74.00	24.32	150.0	V	267.0	11.8

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 5
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

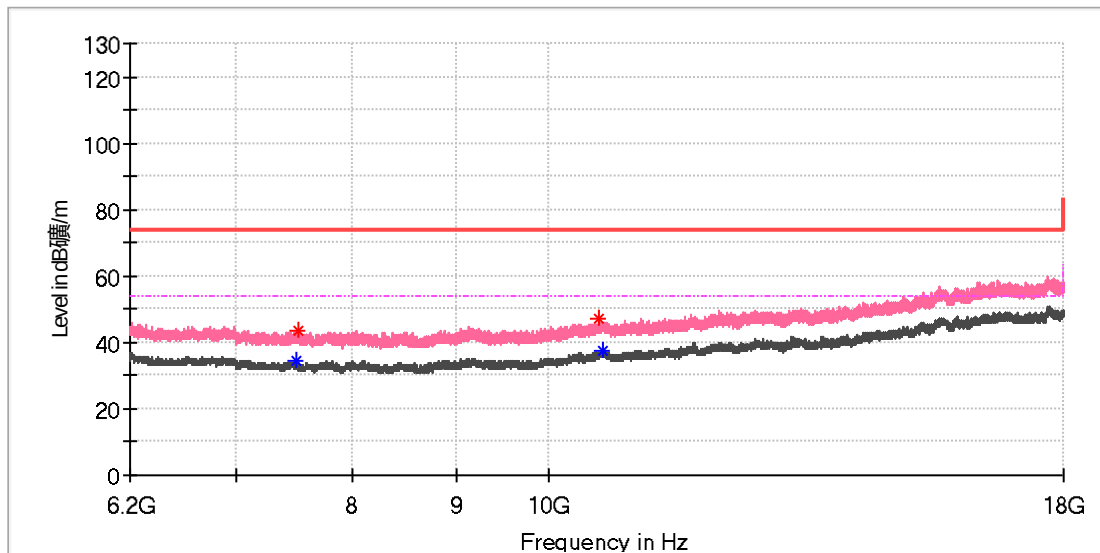
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7300.841667	---	34.59	54.00	19.41	150.0	H	276.0	8.3
7359.841667	42.80	---	74.00	31.20	150.0	H	72.0	8.1
10671.216667	---	37.30	54.00	16.70	150.0	H	10.0	11.9
10684.491667	47.05	---	74.00	26.95	150.0	H	23.0	11.9

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 5
Test Mode: WIFI 2.4G_11g_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

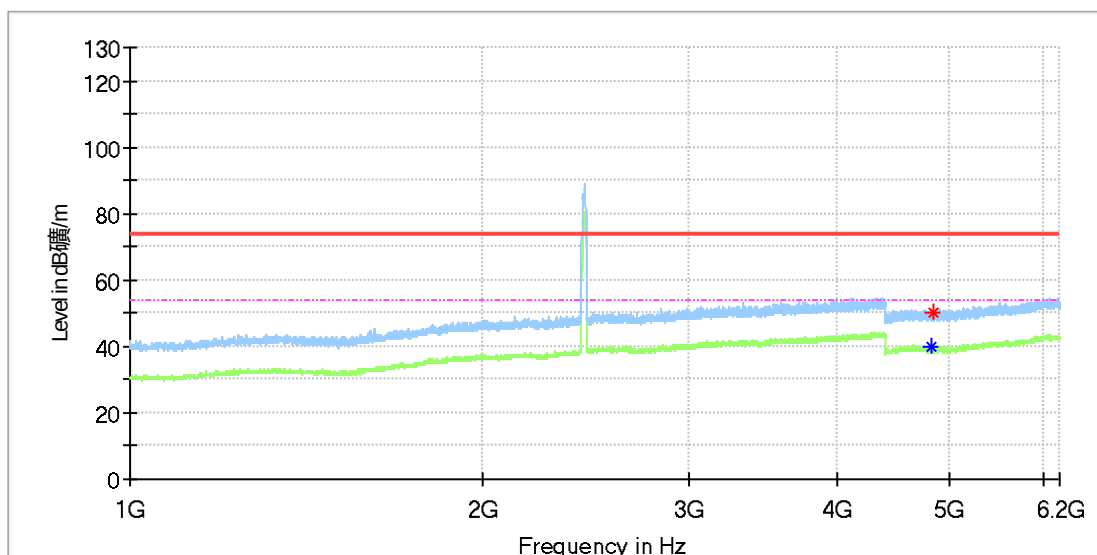
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7499.475000	---	34.73	54.00	19.27	150.0	V	330.0	8.7
7521.600000	43.59	---	74.00	30.41	150.0	V	61.0	8.7
10595.008333	47.07	---	74.00	26.93	150.0	V	208.0	12.1
10631.391667	---	37.38	54.00	16.62	150.0	V	219.0	12.0

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 5
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

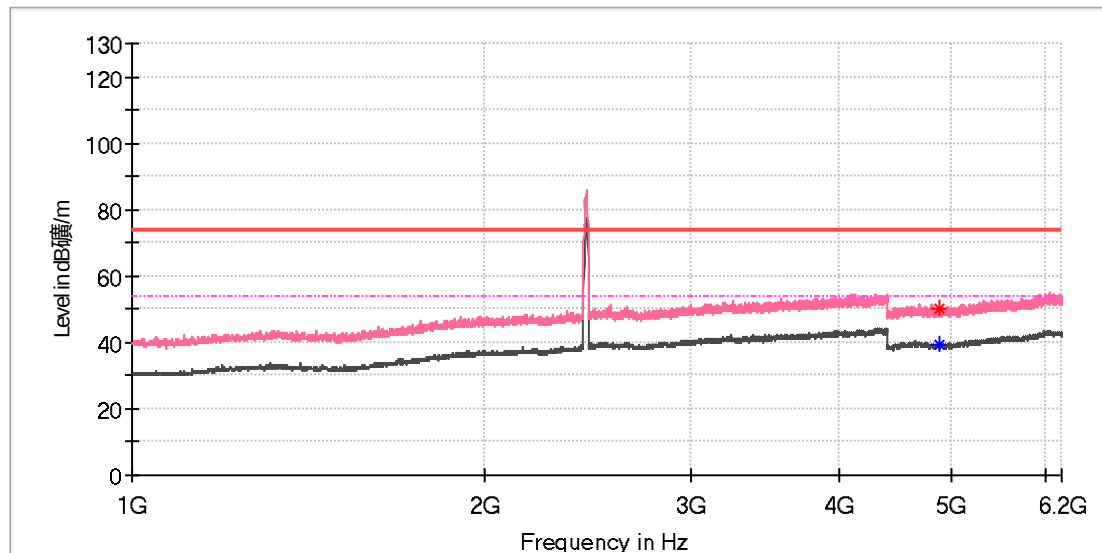
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4821.500000	---	39.99	54.00	14.01	150.0	H	168.0	11.8
4835.000000	49.94	---	74.00	24.06	150.0	H	1.0	11.8

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 5
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

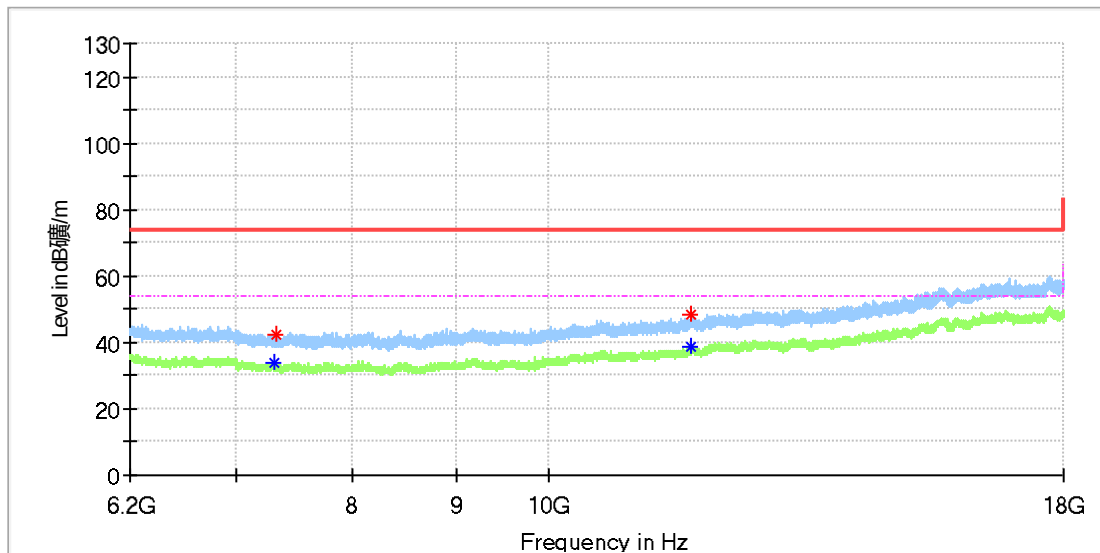
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	---	39.42	54.00	14.58	150.0	V	48.0	11.8
4871.500000	50.03	---	74.00	23.97	150.0	V	48.0	11.8

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 5
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

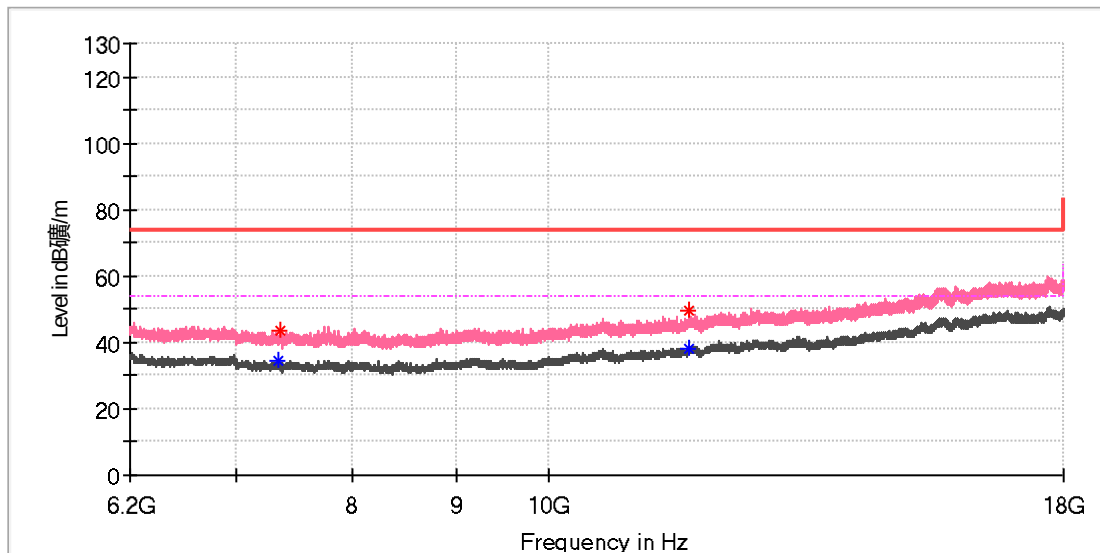
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7301.825000	---	33.76	54.00	20.24	150.0	H	259.0	8.3
7323.950000	42.19	---	74.00	31.81	150.0	H	211.0	8.2
11772.058333	48.66	---	74.00	25.34	150.0	H	20.0	13.4
11772.058333	---	38.83	54.00	15.17	150.0	H	20.0	13.4

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: Robot Vacuum Cleaner
Model: RCV 5
Test Mode: WIFI 2.4G_11n20_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

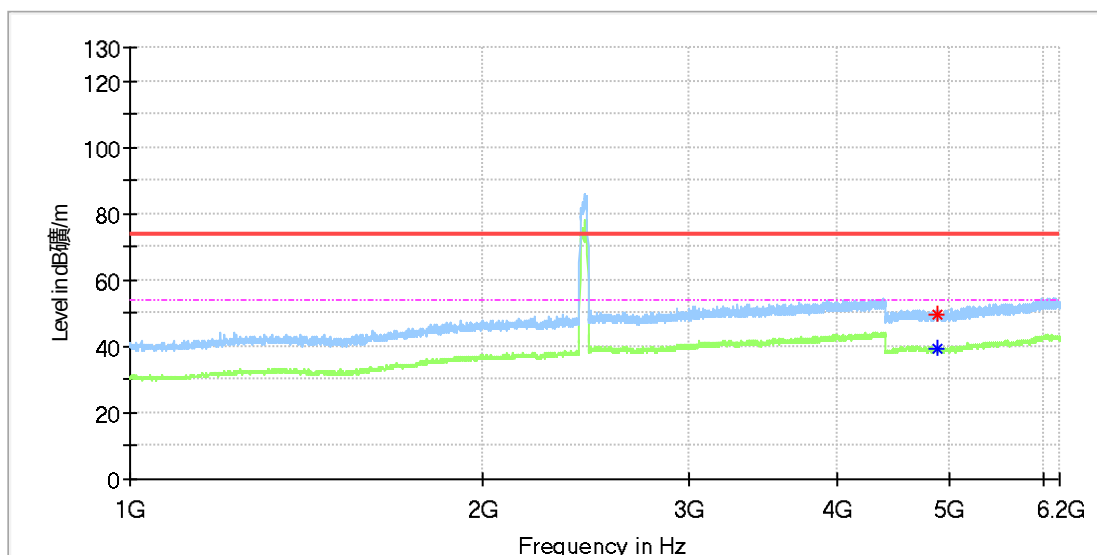
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7349.025000	---	34.26	54.00	19.74	150.0	V	55.0	8.1
7364.266667	43.39	---	74.00	30.61	150.0	V	227.0	8.2
11726.825000	---	38.32	54.00	15.68	150.0	V	7.0	13.3
11737.150000	49.31	---	74.00	24.69	150.0	V	43.0	13.3

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: Robot Vacuum Cleaner
Model: RCV 5
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

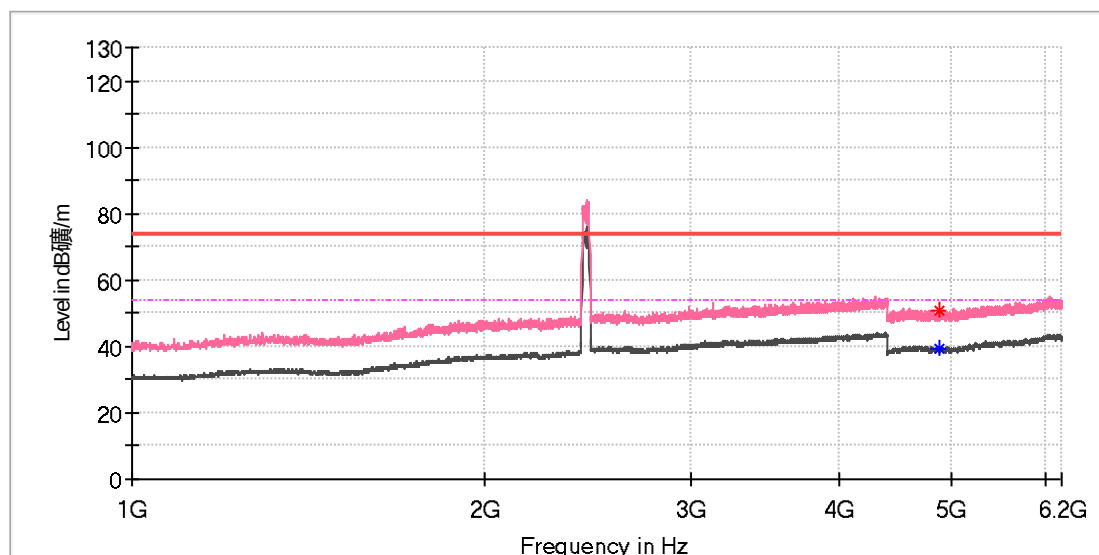
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.000000	---	39.11	54.00	14.89	150.0	H	50.0	11.8
4871.000000	49.66	---	74.00	24.34	150.0	H	50.0	11.8

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 5
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

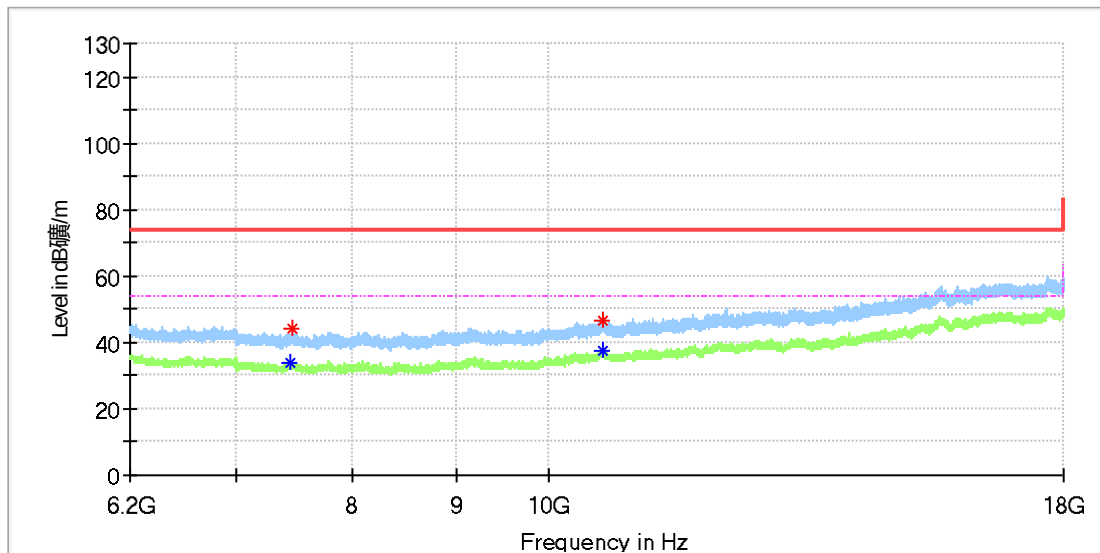
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	51.01	---	74.00	22.99	150.0	V	200.0	11.8
4870.500000	---	39.03	54.00	14.97	150.0	V	21.0	11.8

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 5
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

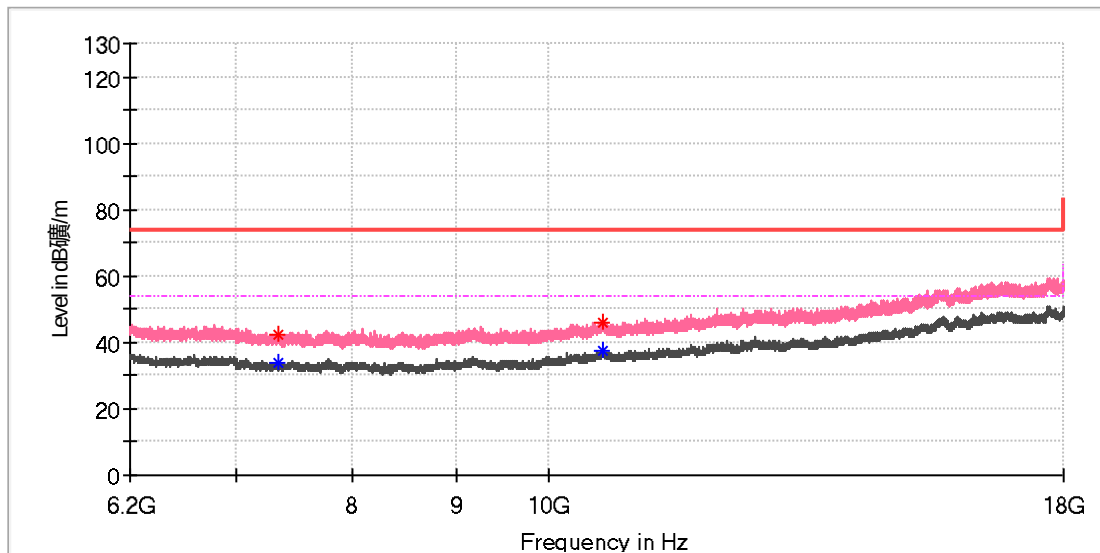
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7450.800000	---	33.80	54.00	20.20	150.0	H	29.0	8.5
7458.666667	43.86	---	74.00	30.14	150.0	H	0.0	8.5
10634.833333	46.60	---	74.00	27.40	150.0	H	29.0	12.0
10643.683333	---	37.60	54.00	16.40	150.0	H	127.0	12.0

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 5
Test Mode: WIFI 2.4G_11n40_Ch6
Order No/Sample No: 168455614/A003628138-005
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)
7343.125000	---	33.83	54.00	20.17	150.0	V	4.0	8.1
7348.533333	42.40	---	74.00	31.60	150.0	V	0.0	8.1
10632.866667	46.09	---	74.00	27.91	150.0	V	281.0	12.0
10643.191667	---	37.28	54.00	16.72	150.0	V	281.0	12.0

Final Result

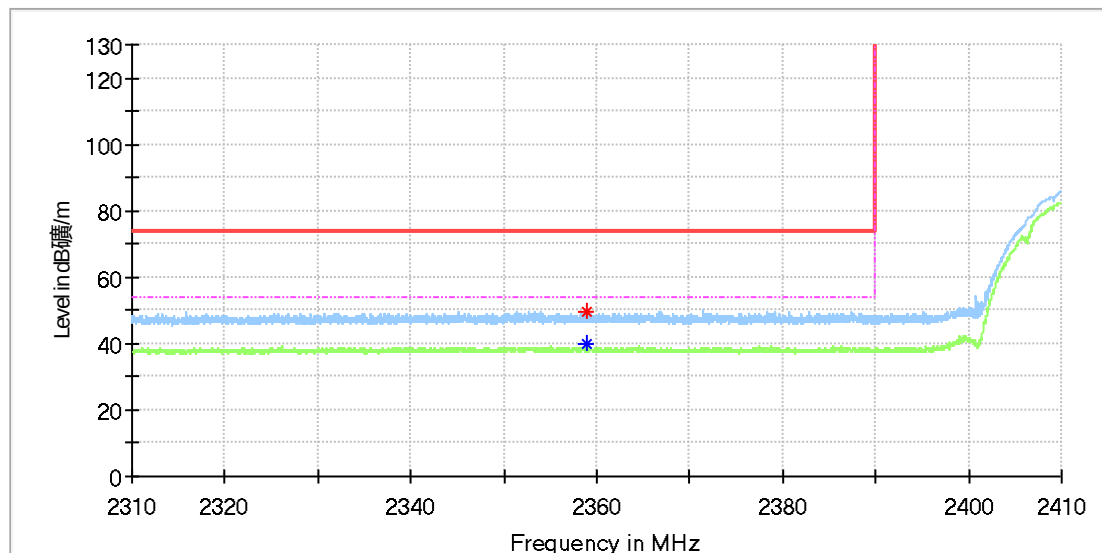
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

Wi-Fi 802.11 b mode

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 5
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

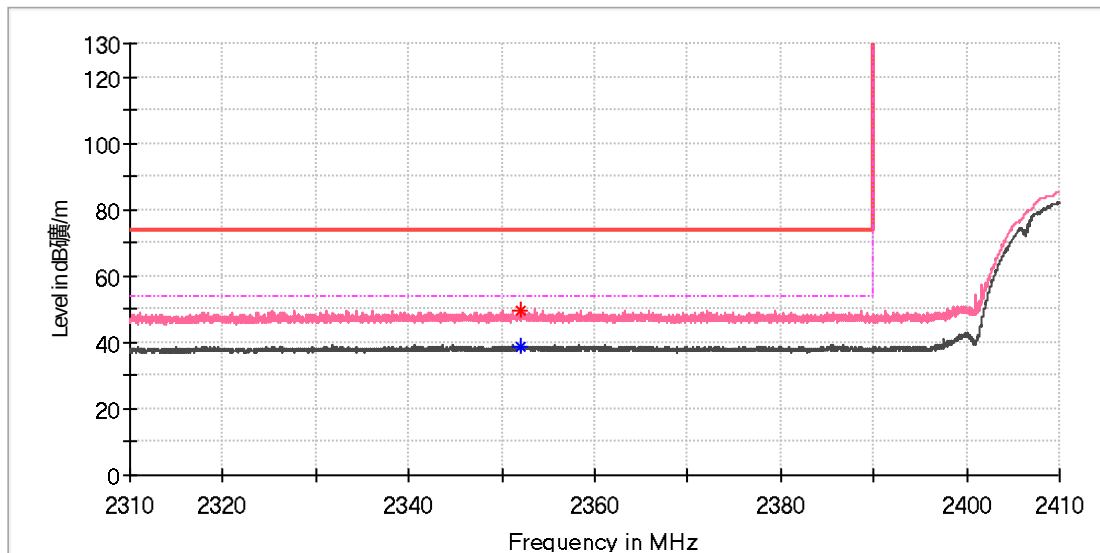
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2358.852941	49.42	---	74.00	24.58	150.0	H	300.0	6.9
2358.926471	---	39.69	54.00	14.31	150.0	H	257.0	6.9

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 5
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

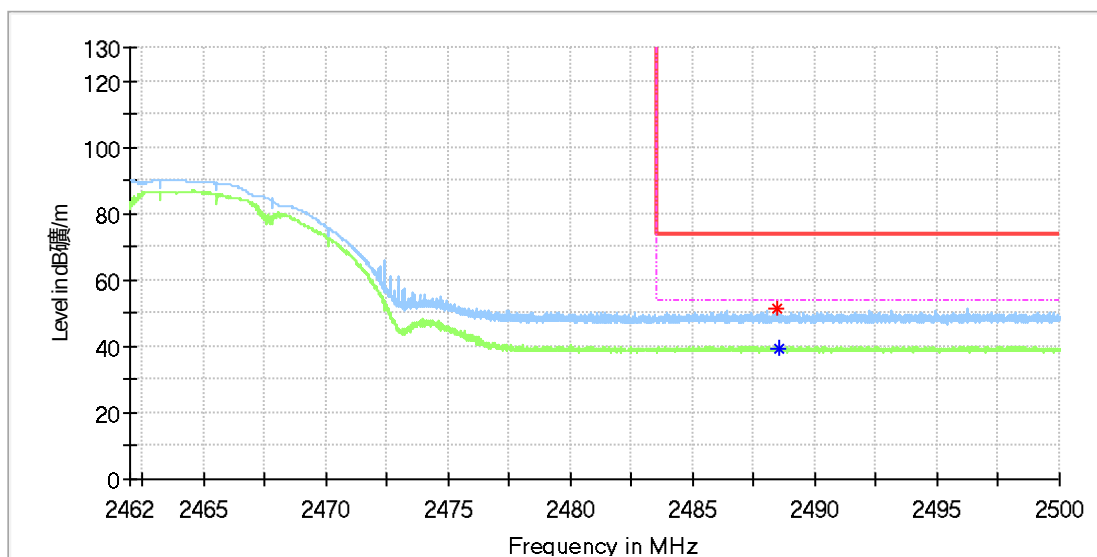
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2351.926471	49.76	---	74.00	24.24	150.0	V	158.0	6.9
2352.117647	---	38.91	54.00	15.09	150.0	V	221.0	6.9

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 5
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

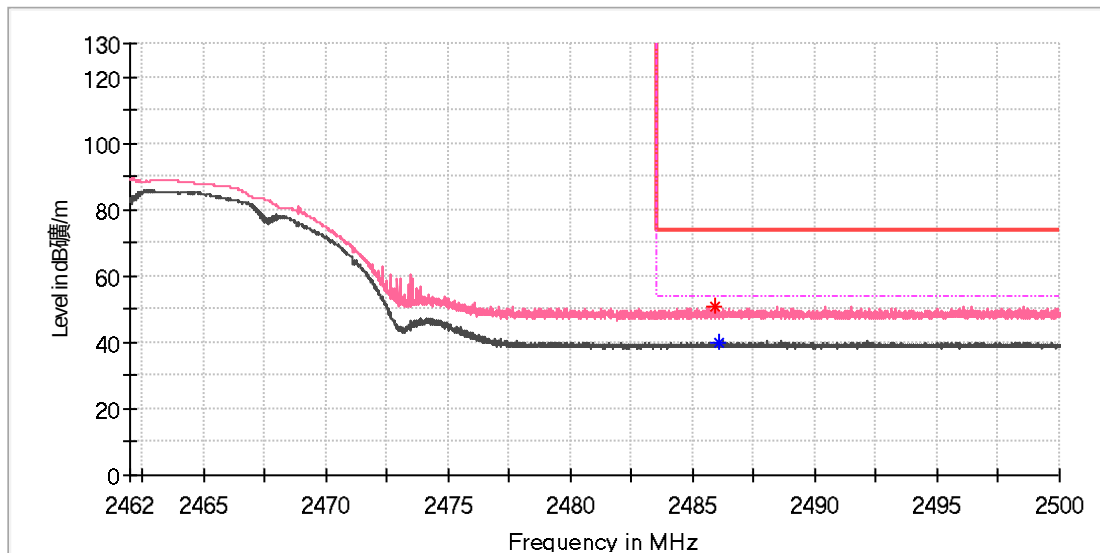
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.415588	51.15	---	74.00	22.85	150.0	H	201.0	7.4
2488.560882	---	39.55	54.00	14.45	150.0	H	267.0	7.4

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 5
Test Mode: WIFI 2.4G_11b_Ch11
Order No/Sample No: 168455614/A003628138-005
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)
2485.878529	50.89	---	74.00	23.11	150.0	V	232.0	7.4
2486.051765	---	40.18	54.00	13.82	150.0	V	126.0	7.4

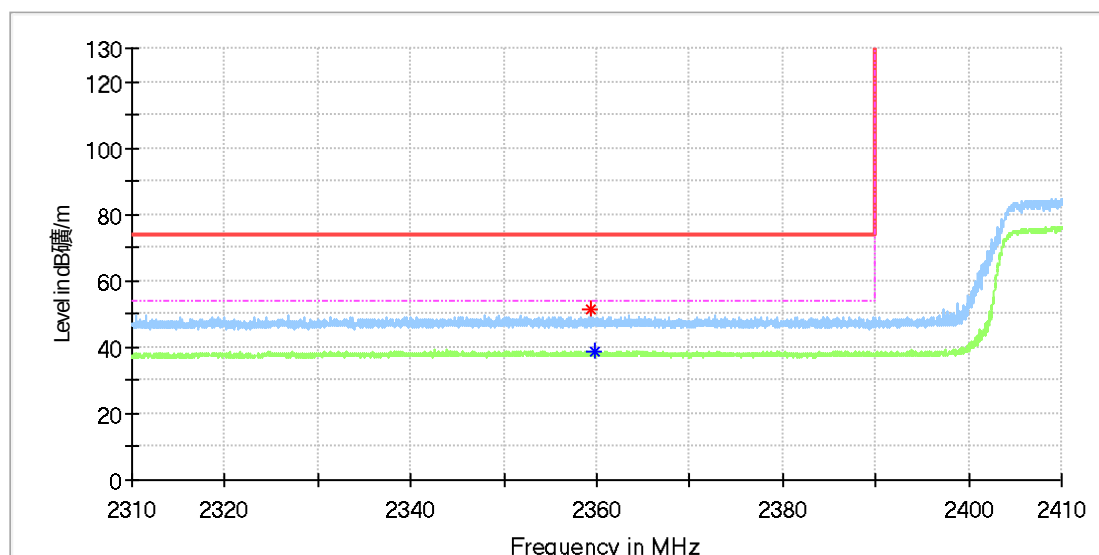
Final Result

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

Wi-Fi 802.11 g mode

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 5
Test Mode:	WIFI 2.4G_11g_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

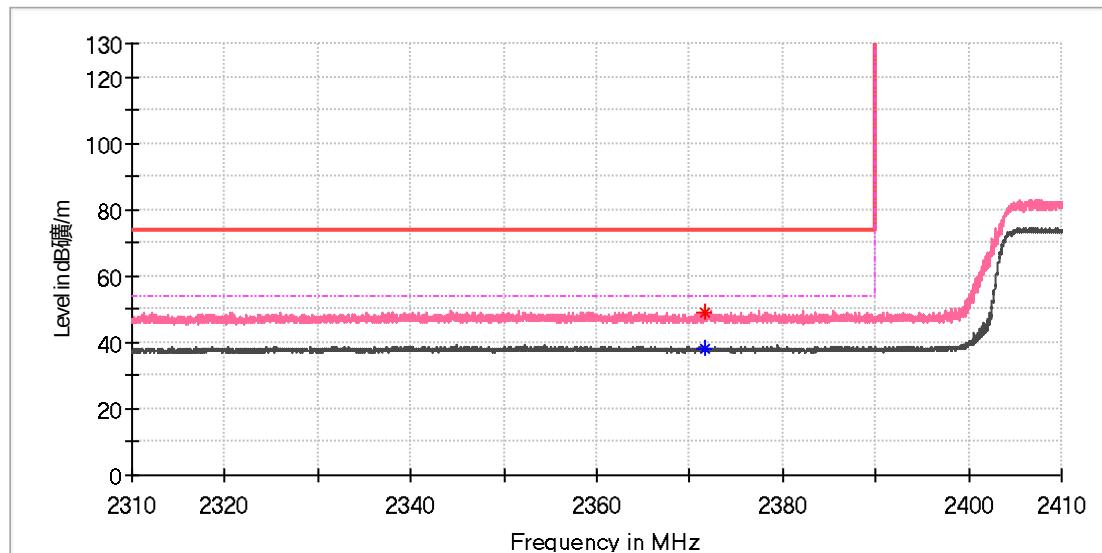
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2359.441177	51.15	---	74.00	22.85	150.0	H	78.0	6.9
2359.750000	---	38.41	54.00	15.59	150.0	H	224.0	6.9

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 5
Test Mode: WIFI 2.4G_11g_Ch1
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

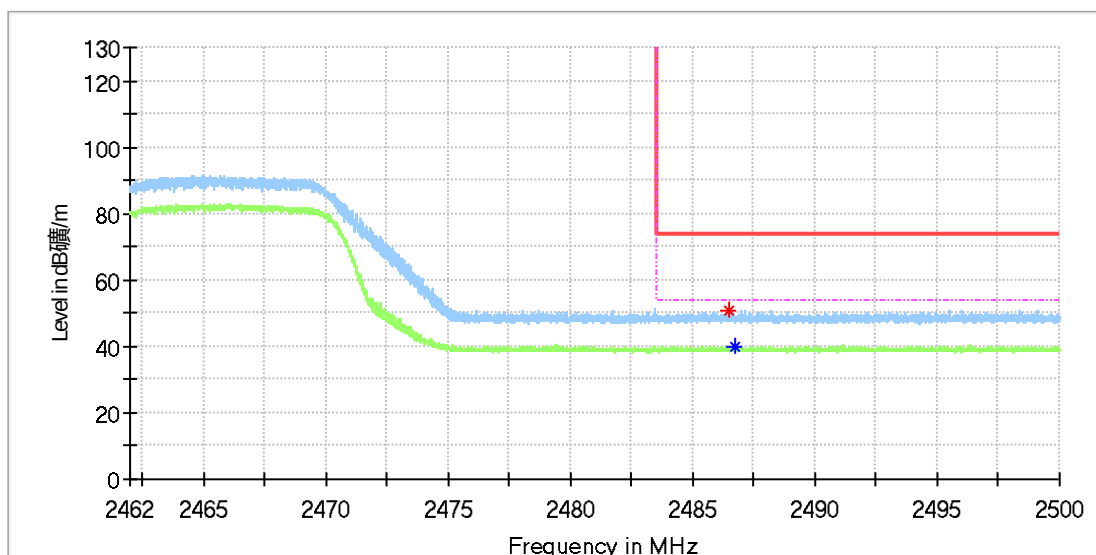
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2371.602941	---	38.25	54.00	15.75	150.0	V	111.0	6.9
2371.735294	48.88	---	74.00	25.12	150.0	V	34.0	6.9

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 5
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

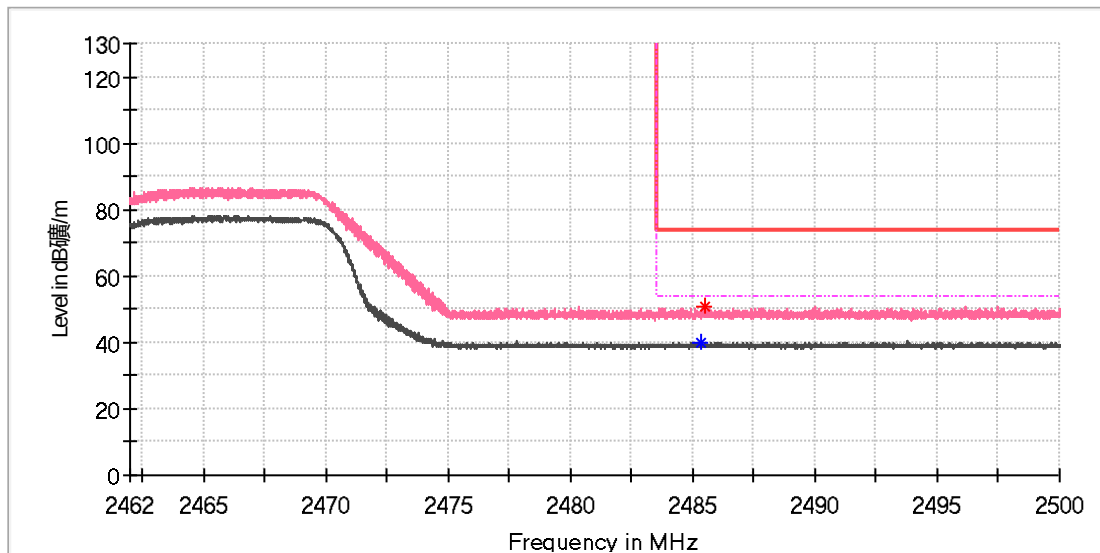
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.465294	50.64	---	74.00	23.36	150.0	H	0.0	7.4
2486.705588	---	40.08	54.00	13.92	150.0	H	145.0	7.4

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 5
Test Mode: WIFI 2.4G_11g_Ch11
Order No/Sample No: 168455614/A003628138-005
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)
2485.370000	---	39.69	54.00	14.31	150.0	V	251.0	7.4
2485.465000	50.77	---	74.00	23.23	150.0	V	334.0	7.4

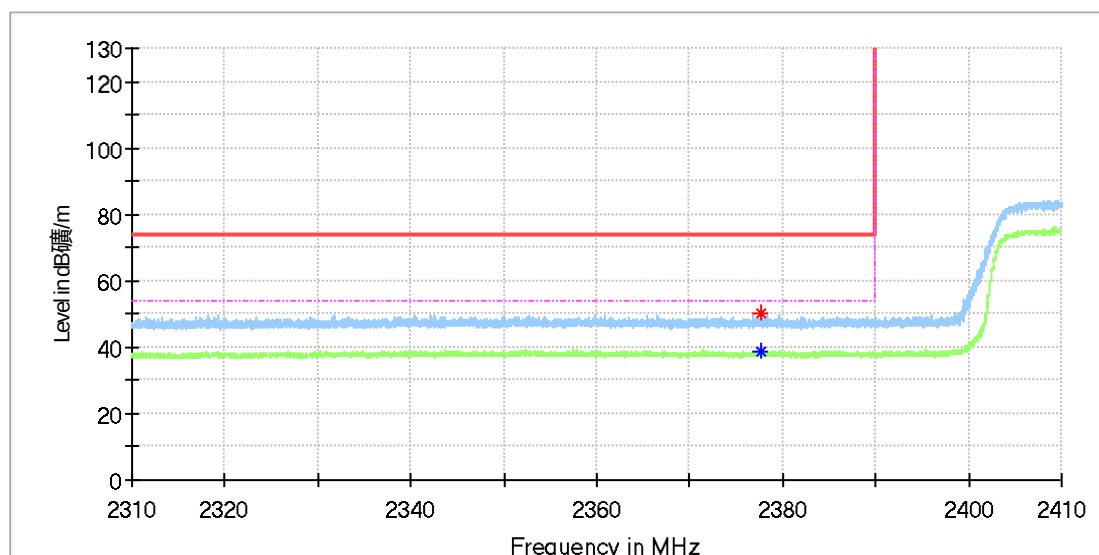
Final Result

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

Wi-Fi 802.11 n(HT20) mode

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RCV 5
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

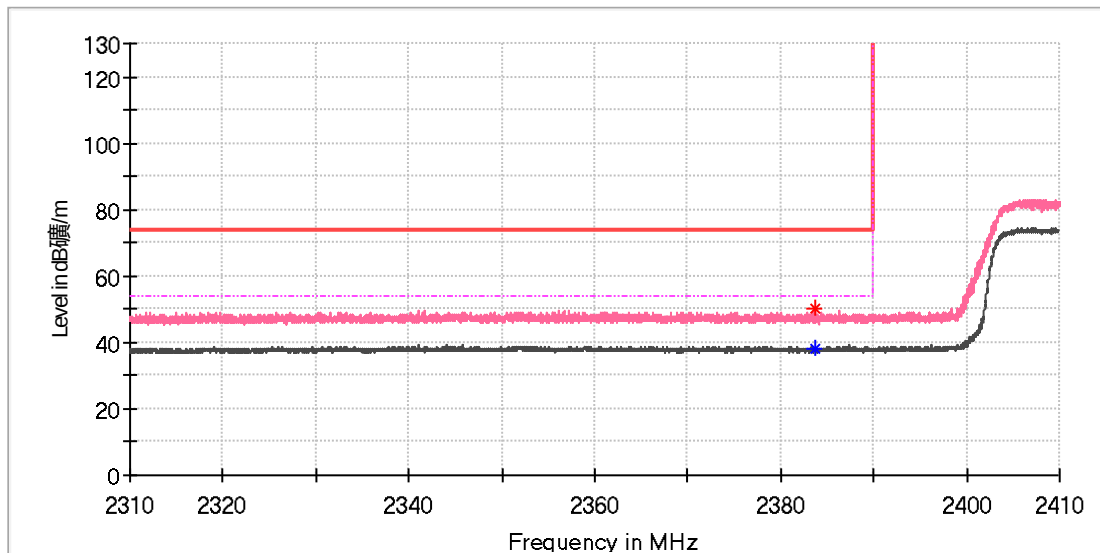
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2377.779412	---	38.64	54.00	15.36	150.0	H	75.0	6.9
2377.779412	50.14	---	74.00	23.86	150.0	H	75.0	6.9

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 5
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

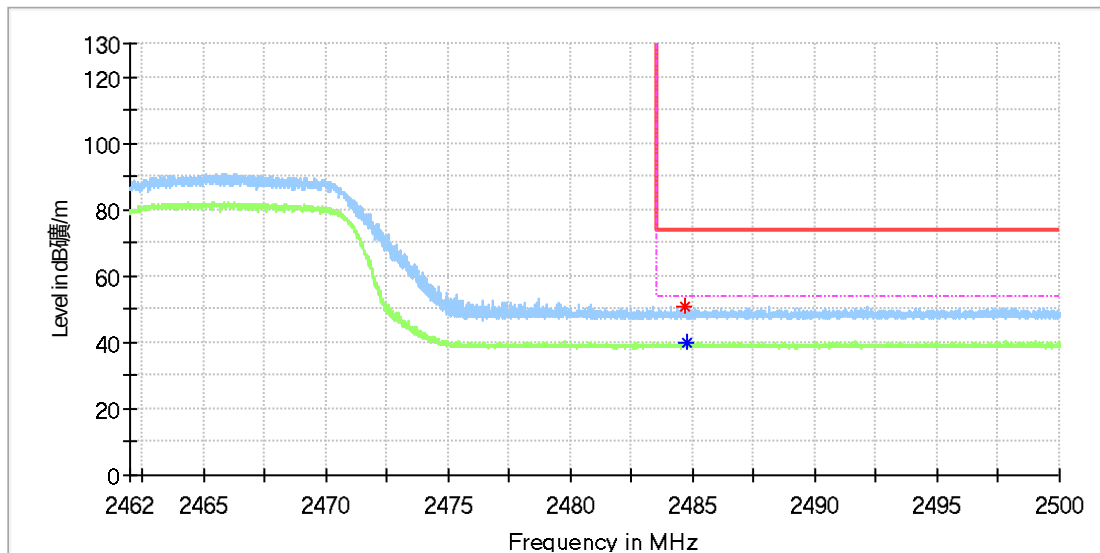
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.617647	---	38.30	54.00	15.70	150.0	V	280.0	7.0
2383.676471	50.33	---	74.00	23.67	150.0	V	93.0	7.0

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 5
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

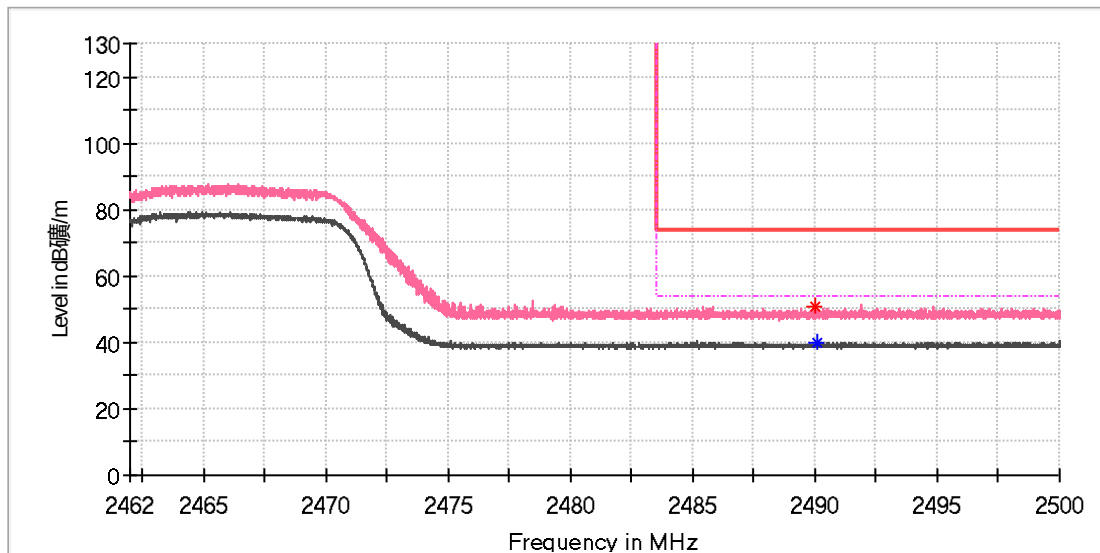
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.682647	50.76	---	74.00	23.24	150.0	H	247.0	7.4
2484.783235	---	39.78	54.00	14.22	150.0	H	357.0	7.4

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 5
Test Mode: WIFI 2.4G_11n20_Ch11
Order No/Sample No: 168455614/A003628138-005
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)
2489.991471	50.50	---	74.00	23.50	150.0	V	11.0	7.4
2490.120000	---	40.19	54.00	13.81	150.0	V	129.0	7.4

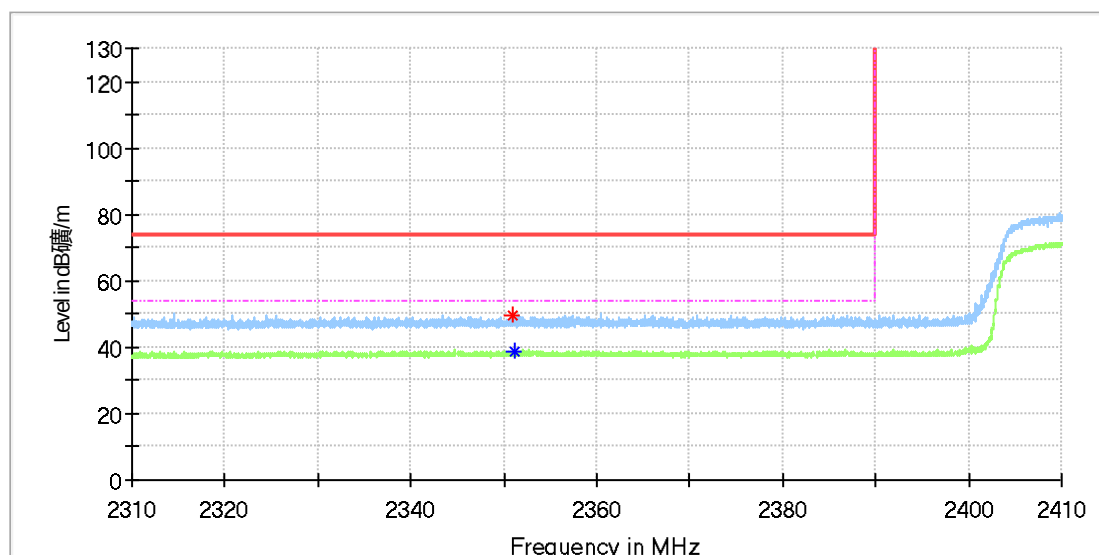
Final Result

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 5
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

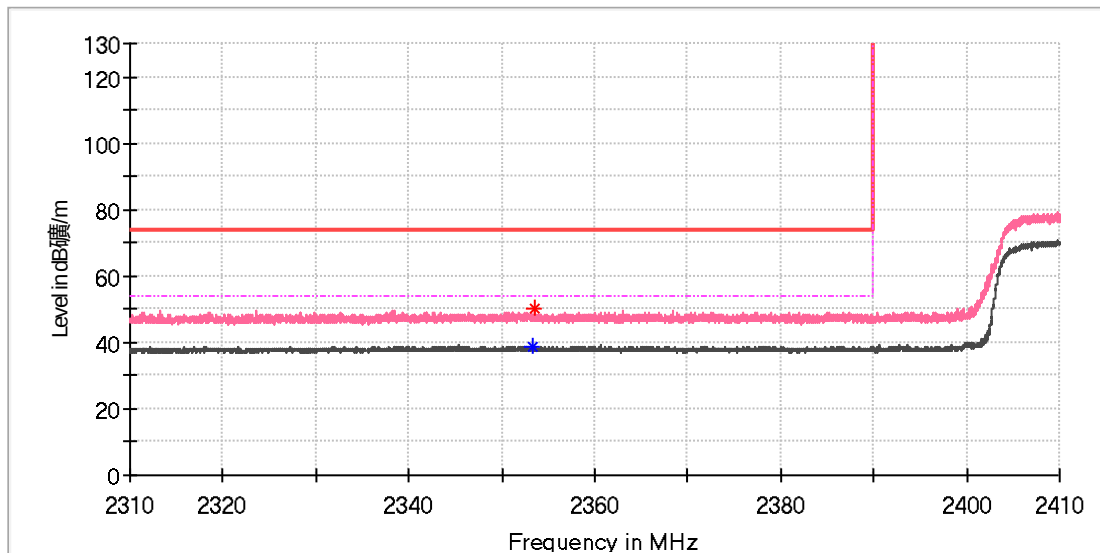
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2350.970588	49.85	---	74.00	24.15	150.0	H	45.0	6.9
2351.161765	---	38.41	54.00	15.59	150.0	H	108.0	6.9

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 5
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168455614/A003628138-005
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

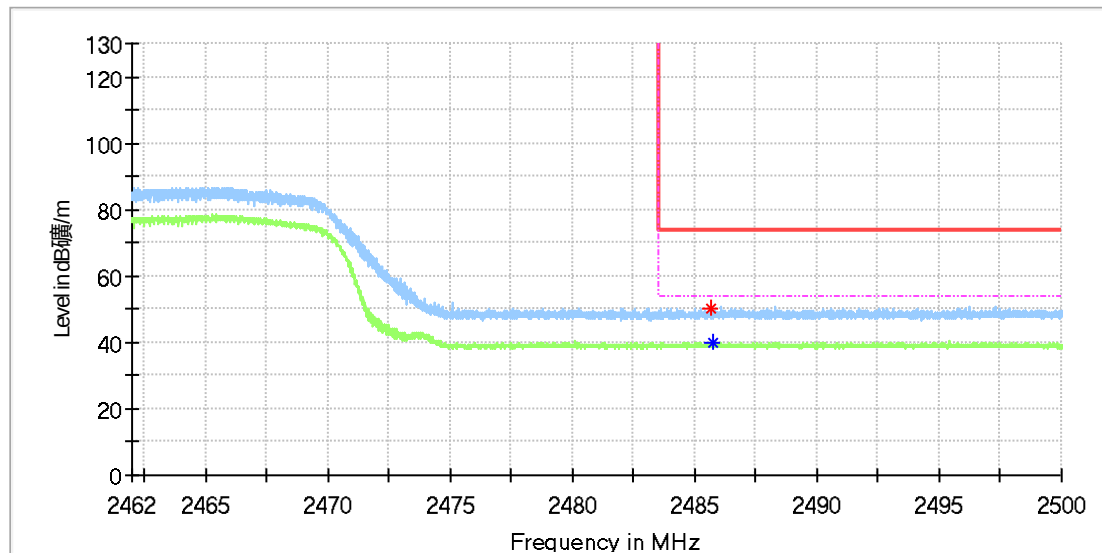
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.264706	---	38.73	54.00	15.27	150.0	V	266.0	6.9
2353.470588	49.89	---	74.00	24.11	150.0	V	97.0	6.9

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 5
Test Mode: WIFI 2.4G_11n40_Ch9
Order No/Sample No: 168455614/A003628138-005
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

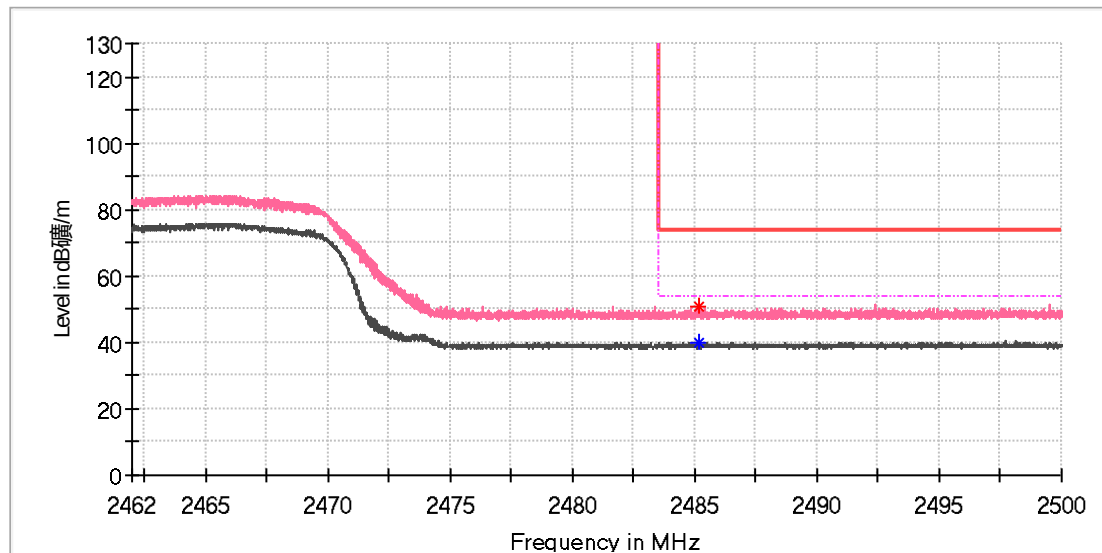
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.688529	50.47	---	74.00	23.53	150.0	H	311.0	7.4
2485.777941	---	39.92	54.00	14.08	150.0	H	182.0	7.4

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 5
Test Mode: WIFI 2.4G_11n40_Ch9
Order No/Sample No: 168455614/A003628138-005
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)
2485.163235	---	39.84	54.00	14.16	150.0	V	144.0	7.4
2485.174412	50.98	---	74.00	23.02	150.0	V	117.0	7.4

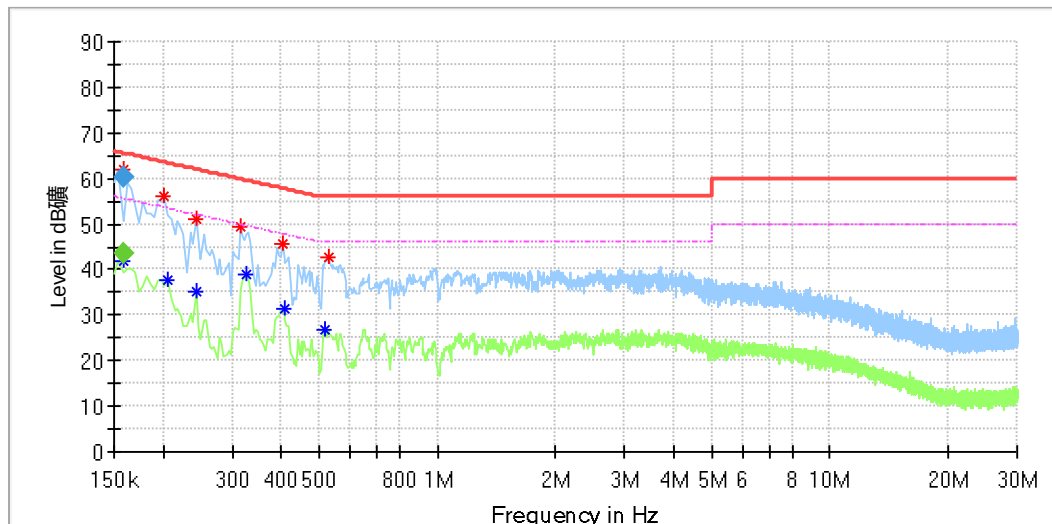
Final Result

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

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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Order Number:	168455614
Model:	RCV 5
Test Mode:	Charging + 2.4GHz Wi-Fi Link
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	BirchZhang/Gary Chen
Tem./Hum./Pressure:	24.3°C/51.2%/101kPa
Remark:	SR2



Critical Freqs

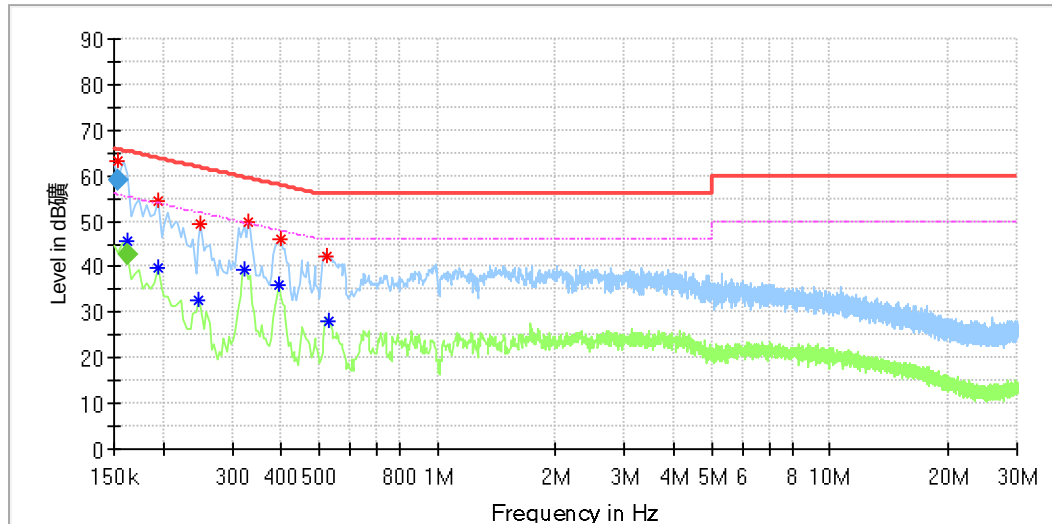
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.158000	61.76	---	65.78	4.02	L1	9.9
0.158000	---	42.00	55.78	13.78	L1	9.9
0.202000	56.29	---	63.53	7.24	L1	9.9
0.206000	---	37.69	53.37	15.67	L1	9.9
0.242000	51.26	---	62.03	10.76	L1	9.9
0.242000	---	35.36	52.03	16.67	L1	9.9
0.314000	49.33	---	59.86	10.53	L1	9.9
0.326000	---	38.75	49.55	10.80	L1	9.9
0.402000	45.47	---	57.81	12.34	L1	9.9
0.406000	---	31.59	47.73	16.14	L1	9.9
0.518000	---	26.96	46.00	19.04	L1	10.0
0.526000	42.84	---	56.00	13.16	L1	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.158000	---	43.41	55.57	12.16	1000.0	9.000	L1	9.9
0.158000	60.20	---	65.57	5.37	1000.0	9.000	L1	9.9

EUT Information

EUT Name: Robot Vacuum Cleaner
Order Number: 168455614
Model: RCV 5
Test Mode: Charging + 2.4GHz Wi-Fi Link
Test Voltage: AC 120V/60Hz
Test Standard: FCC Part 15
Test By:/Review By: BirchZhang/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)
0.153500	63.19	---	65.57	2.38	N	9.8
0.161500	---	45.73	55.57	9.84	N	9.8
0.194000	54.56	---	63.86	9.30	N	9.8
0.194000	---	39.63	53.86	14.23	N	9.8
0.246000	---	32.48	51.89	19.41	N	9.8
0.250000	49.23	---	61.76	12.52	N	9.8
0.322000	---	39.40	49.66	10.25	N	9.8
0.330000	49.76	---	59.45	9.69	N	9.8
0.394000	---	35.81	47.98	12.17	N	9.8
0.398000	45.91	---	57.90	11.99	N	9.8
0.522000	42.25	---	56.00	13.75	N	9.8
0.526000	---	28.10	46.00	17.90	N	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.153500	58.88	---	65.81	6.93	1000.0	9.000	N	9.8
0.161500	---	42.79	55.39	12.59	1000.0	9.000	N	9.8