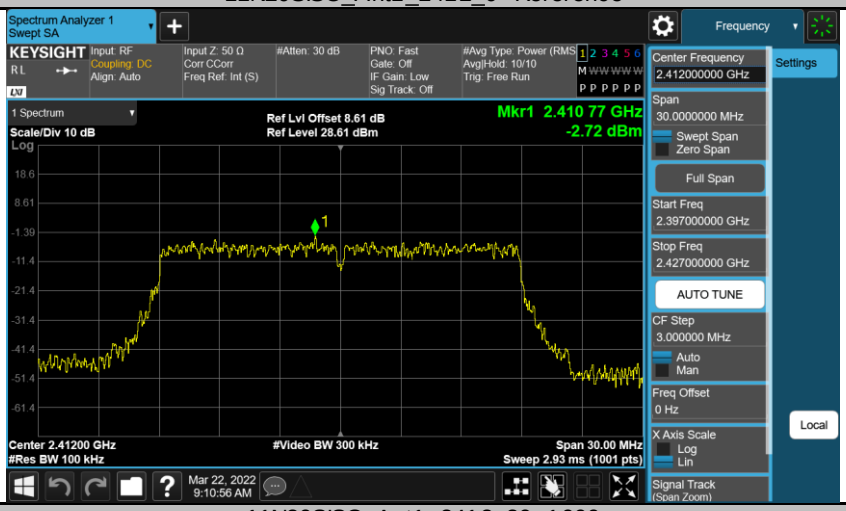
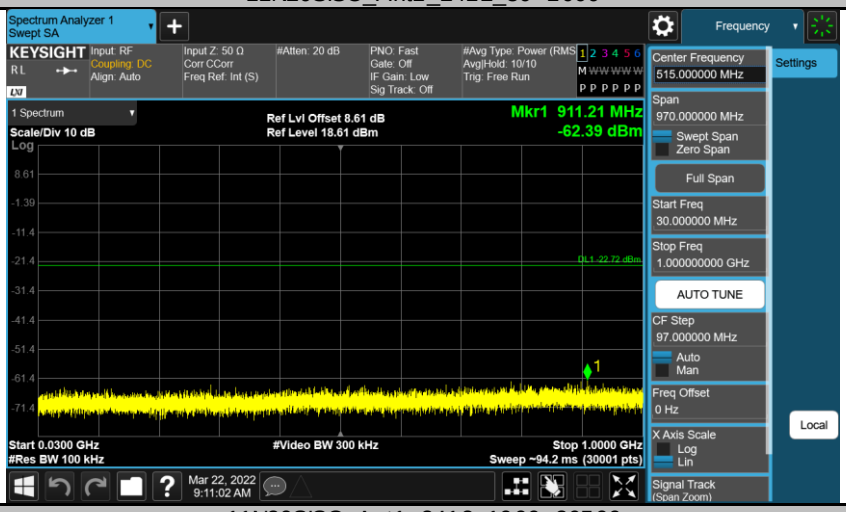
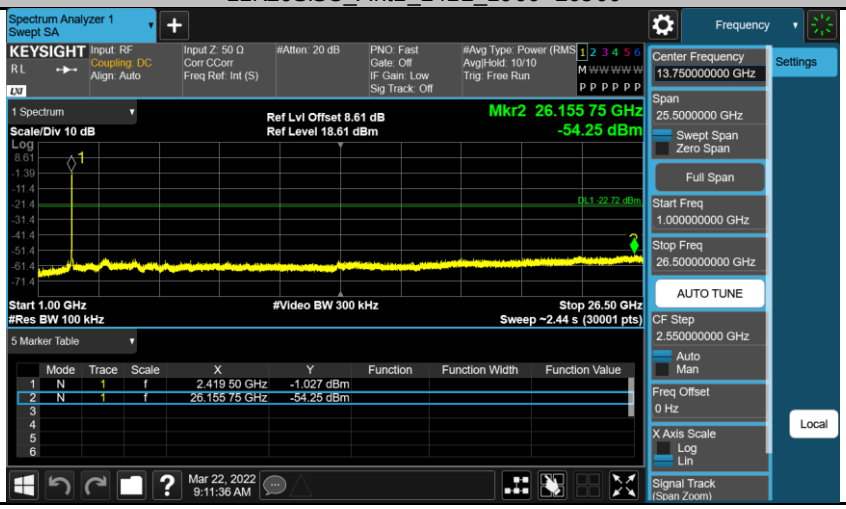
11N20SISO_Ant1_2412_0~Reference



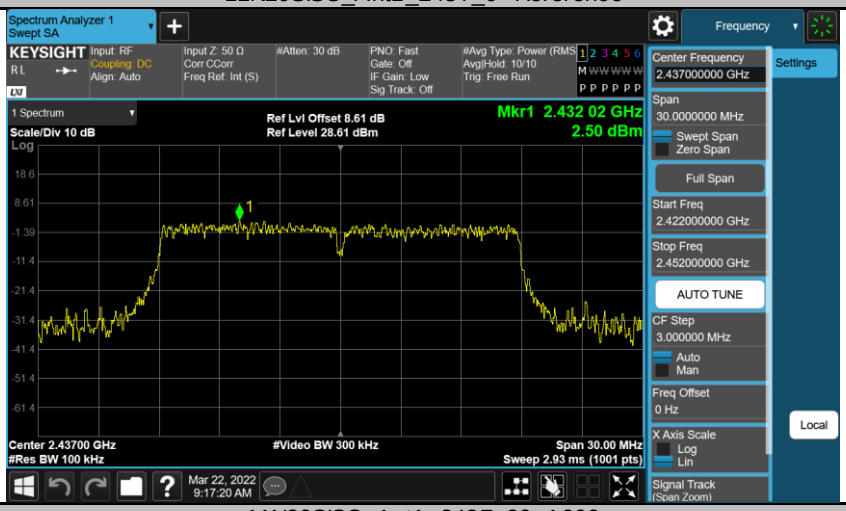
11N20SISO_Ant1_2412_30~1000



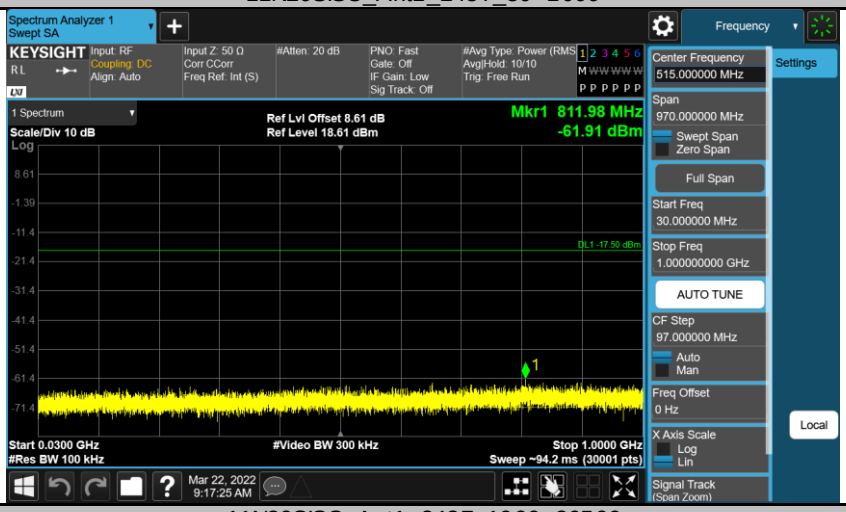
11N20SISO_Ant1_2412_1000~26500



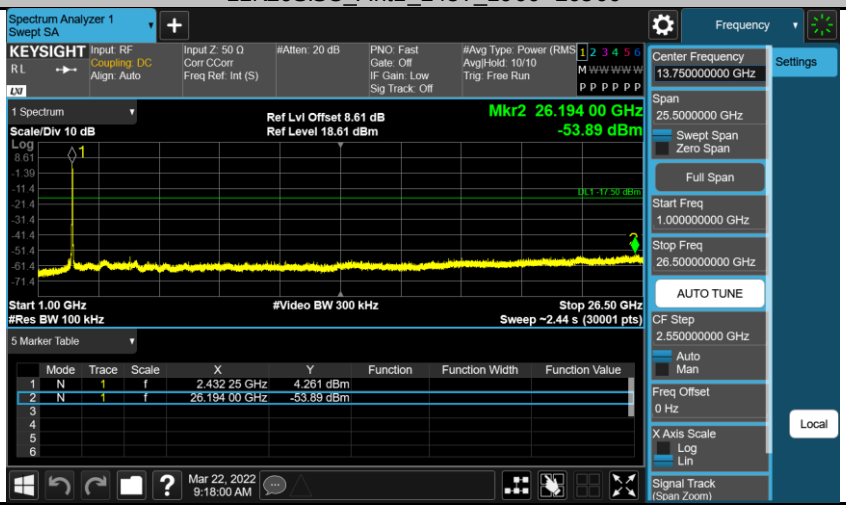
11N20SISO_Ant1_2437_0~Reference



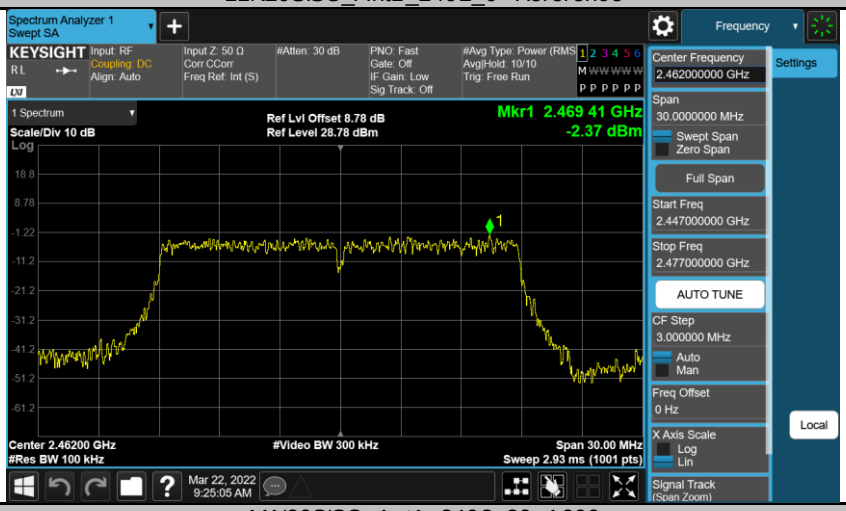
11N20SISO_Ant1_2437_30~1000



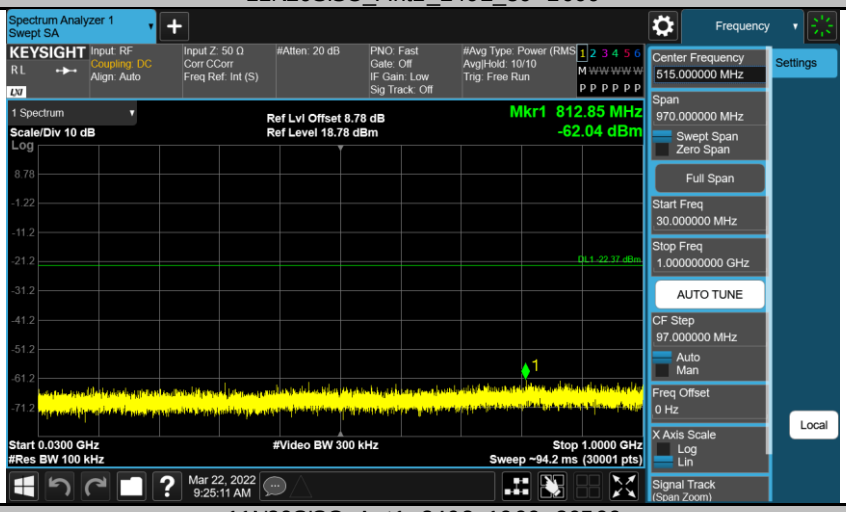
11N20SISO_Ant1_2437_1000~26500



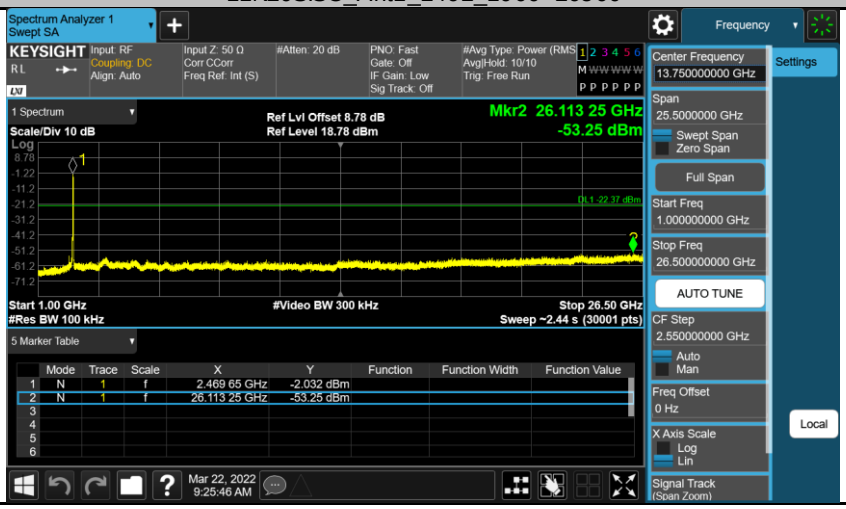
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



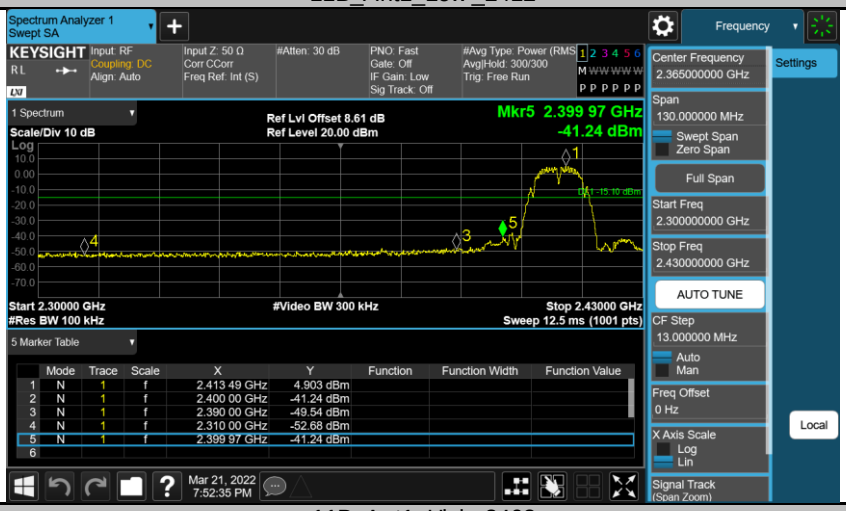
11N20SISO_Ant1_2462_1000~26500



Band Edge

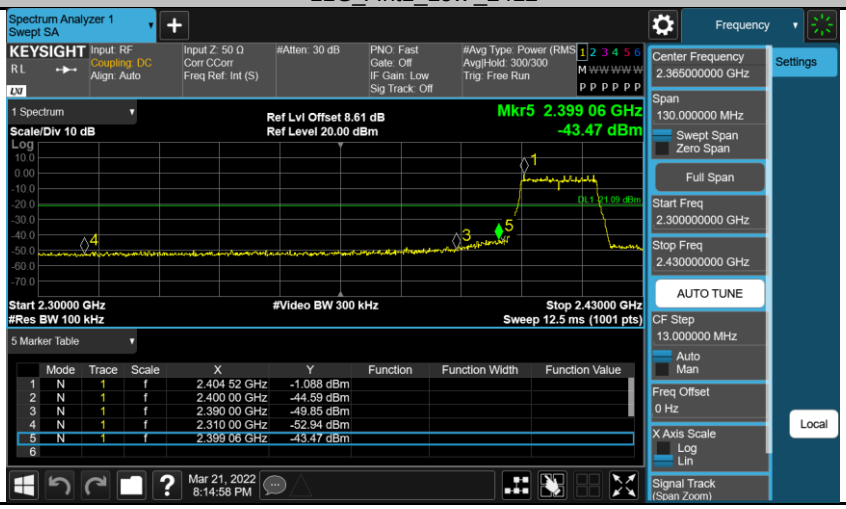
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.90	-41.24	≤-15.1	PASS
		High	2462	5.37	-47.65	≤-14.64	PASS
11G	Ant1	Low	2412	-1.09	-43.47	≤-21.09	PASS
		High	2462	0.45	-47.44	≤-19.55	PASS
11N20SISO	Ant1	Low	2412	-0.86	-38.9	≤-20.86	PASS
		High	2462	0.14	-47.41	≤-19.86	PASS

11B_Ant1_Low_2412

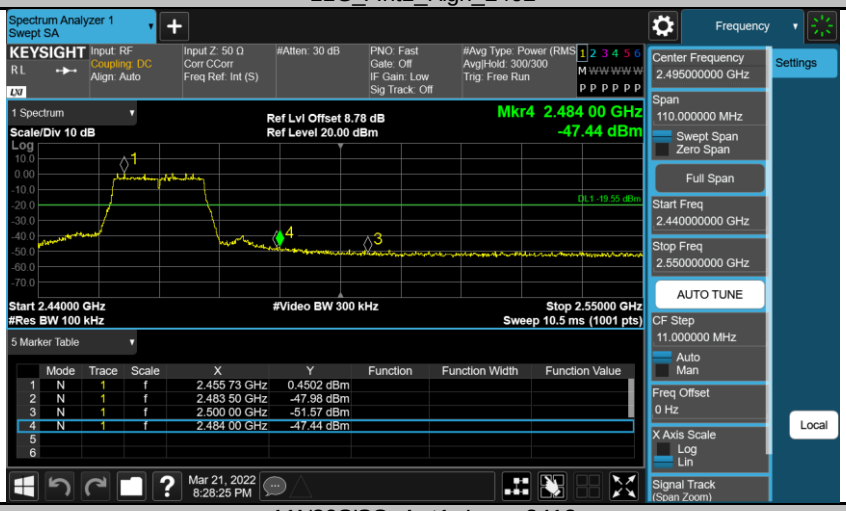


11B_Ant1_High_2462

11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412

11N20SISO_Ant1_High_2462

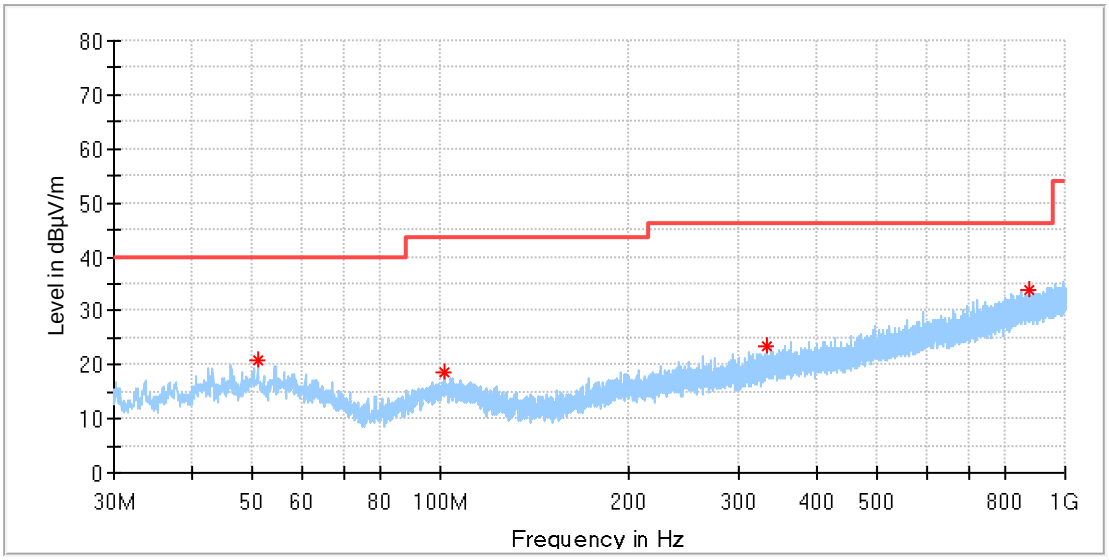
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.5: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

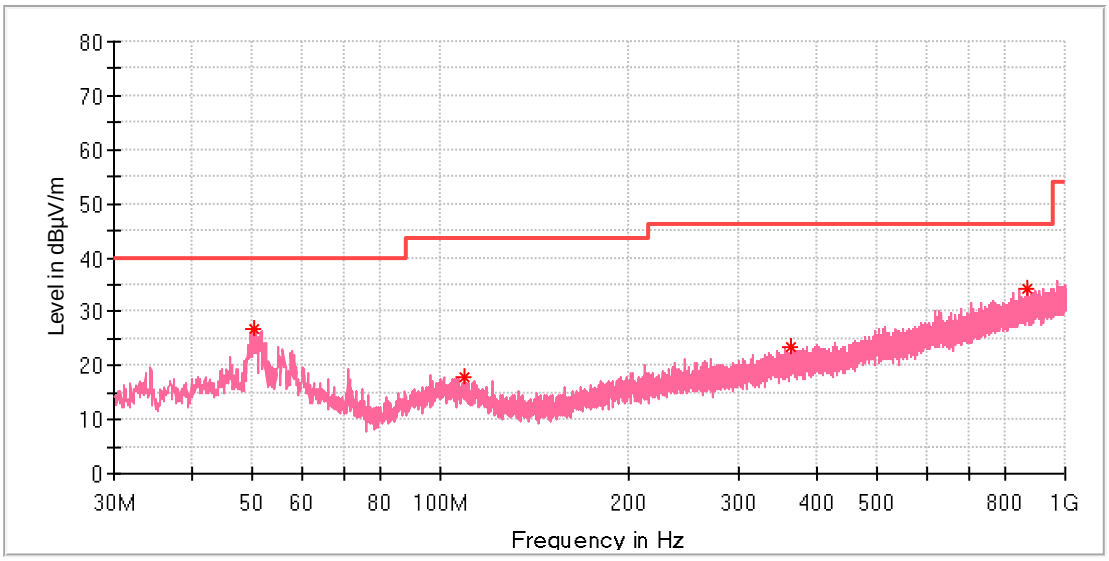
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.952000	20.73	40.00	19.27	100.0	H	55.0	-18.3
101.586000	18.78	43.50	24.72	100.0	H	344.0	-18.9
333.949500	23.45	46.00	22.55	100.0	H	24.0	-15.3
876.325000	34.04	46.00	11.96	100.0	H	55.0	-5.2

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
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)
50.467000	26.76	40.00	13.24	100.0	V	76.0	-18.3
109.346000	17.78	43.50	25.72	100.0	V	257.0	-19.0
363.049500	23.50	46.00	22.50	100.0	V	122.0	-14.6
867.158500	34.27	46.00	11.73	100.0	V	106.0	-5.3

Final_Result

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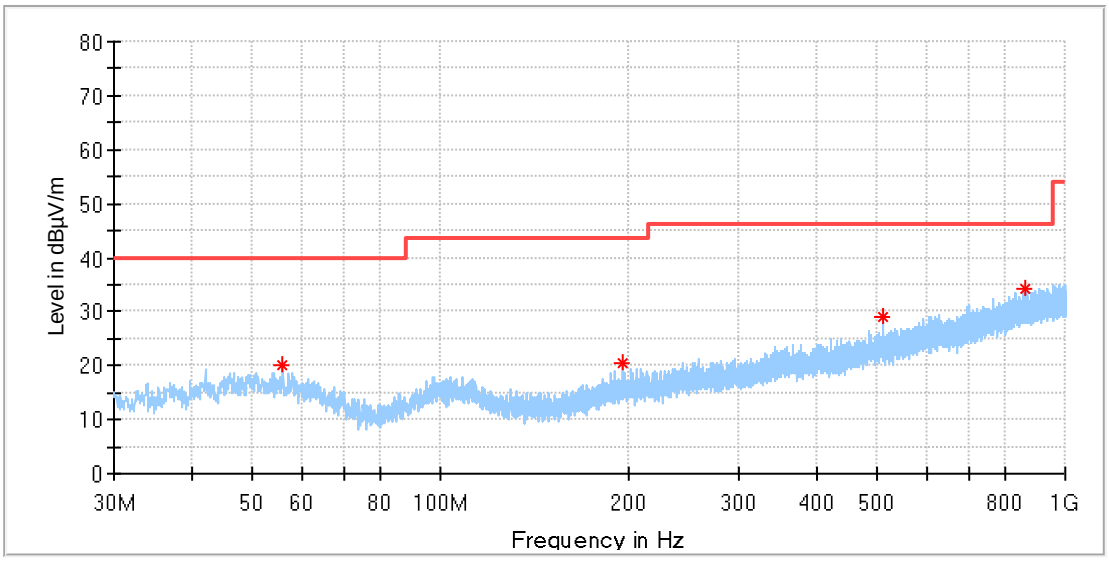
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
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)
55.947500	19.94	40.00	20.06	100.0	H	333.0	-18.5
195.676000	20.53	43.50	22.97	100.0	H	79.0	-19.1
512.041500	29.17	46.00	16.83	100.0	H	4.0	-11.6
865.412500	34.25	46.00	11.75	100.0	H	333.0	-5.3

Final_Result

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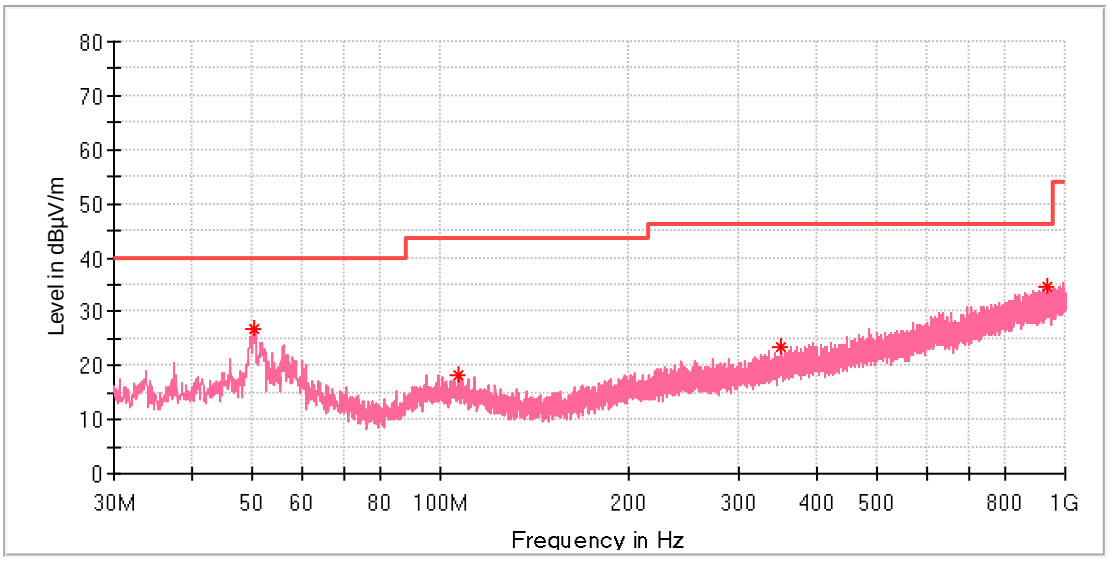
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
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)
50.418500	26.87	40.00	13.13	100.0	V	95.0	-18.3
106.872500	18.30	43.50	25.20	100.0	V	213.0	-18.9
350.973000	23.38	46.00	22.62	100.0	V	81.0	-14.8
935.155500	34.74	46.00	11.26	100.0	V	21.0	-4.6

Final_Result

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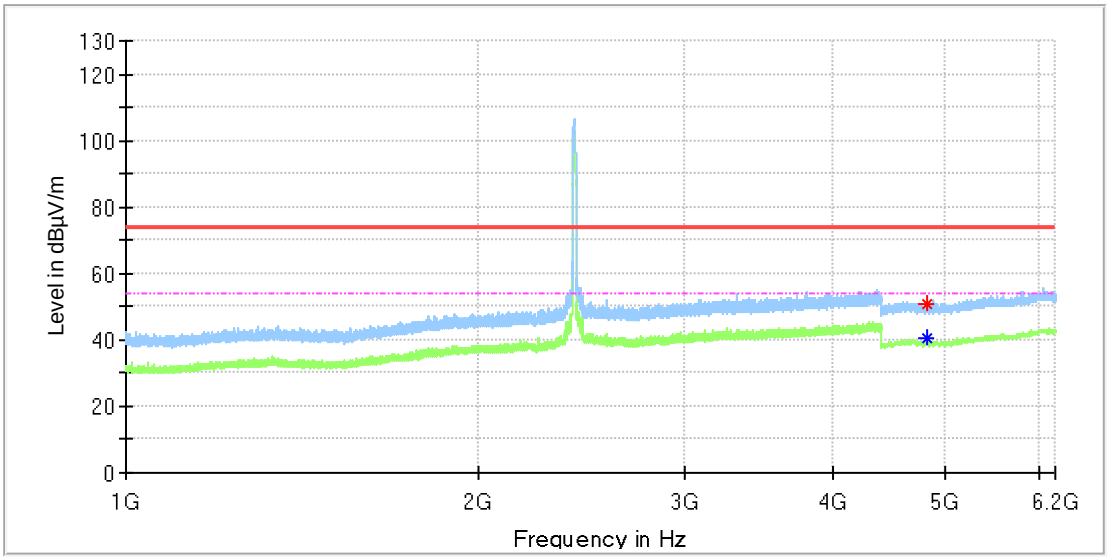
1GHz - 18GHz

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
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)
4823.500000	---	40.81	54.00	13.19	100.0	H	146.0	11.8
4824.500000	50.54	---	74.00	23.46	100.0	H	309.0	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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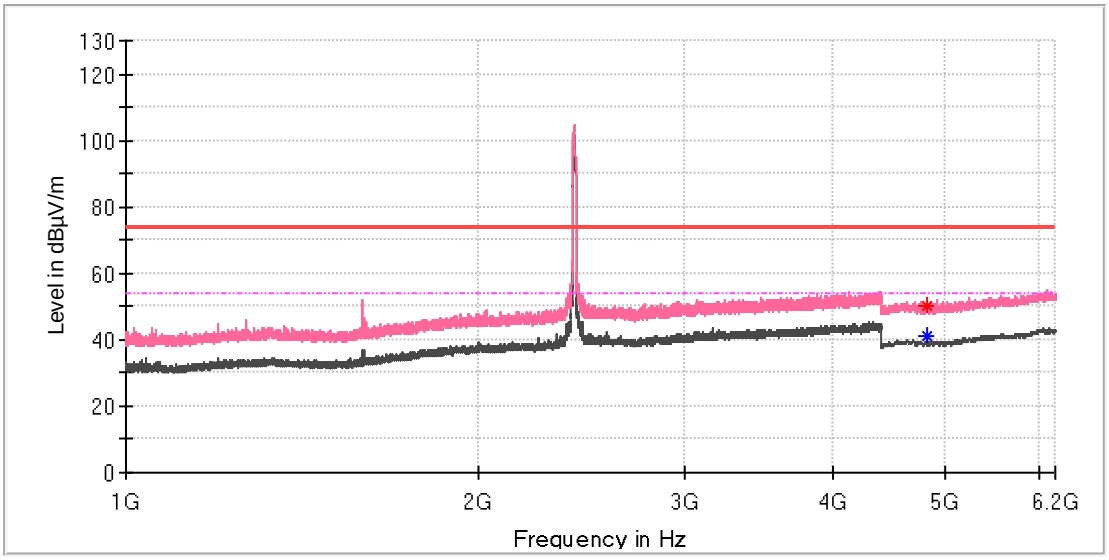
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
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)
4823.500000	50.41	---	74.00	23.59	100.0	V	30.0	11.8
4824.000000	---	40.90	54.00	13.10	100.0	V	338.0	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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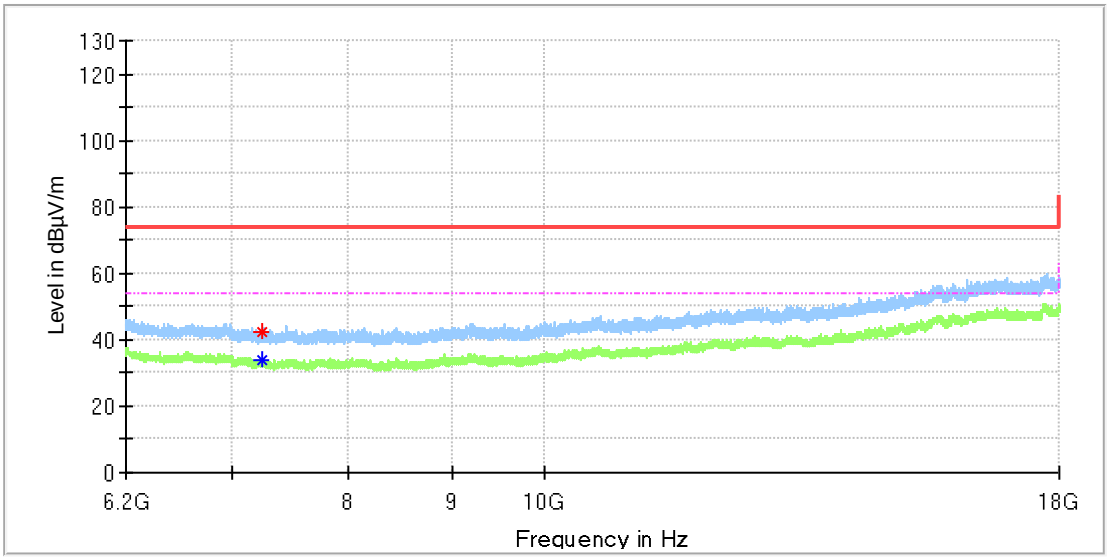
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

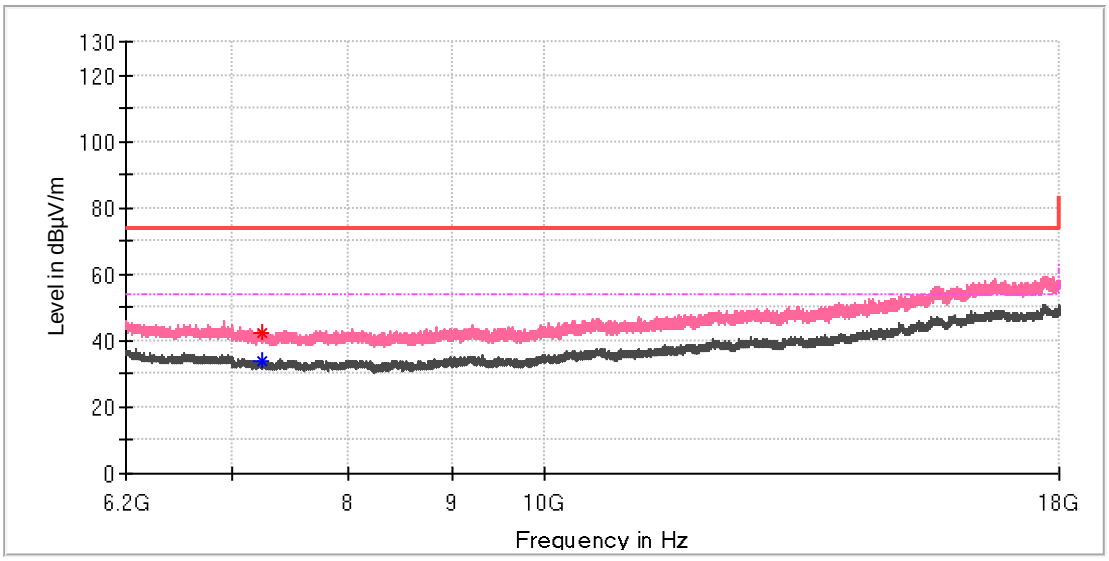
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7239.383333	---	33.77	54.00	20.23	100.0	H	0.0	8.6
7247.741667	42.53	---	74.00	31.47	100.0	H	238.0	8.5

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 Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
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)
7243.316667	42.48	---	74.00	31.52	100.0	V	161.0	8.6
7248.725000	---	33.99	54.00	20.01	100.0	V	239.0	8.5

Final_Result

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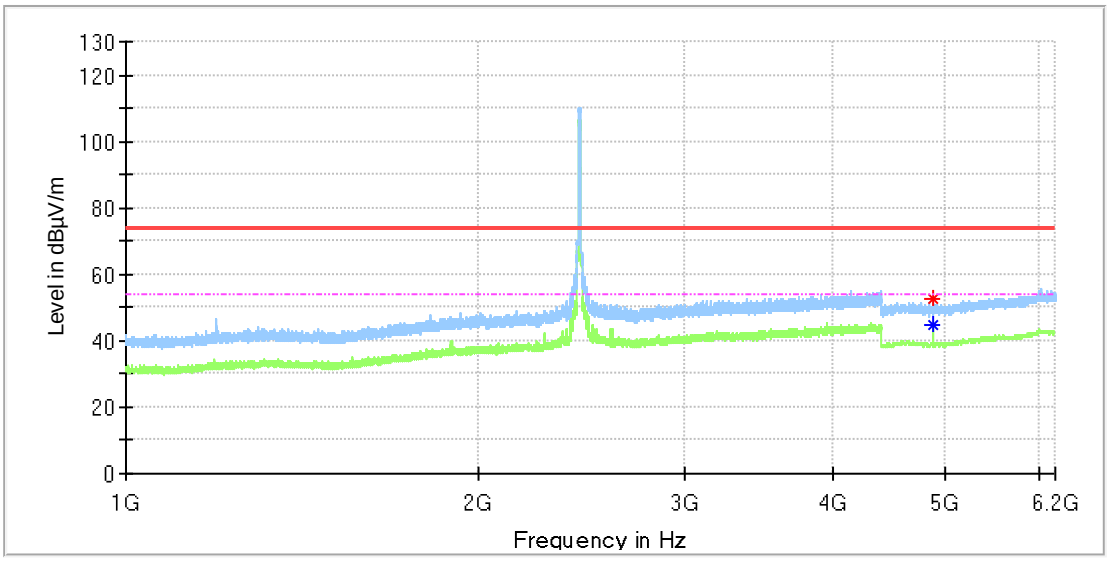
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361506/A003218991-002
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	---	44.72	54.00	9.28	100.0	H	303.0	11.8
4874.000000	52.85	---	74.00	21.15	100.0	H	303.0	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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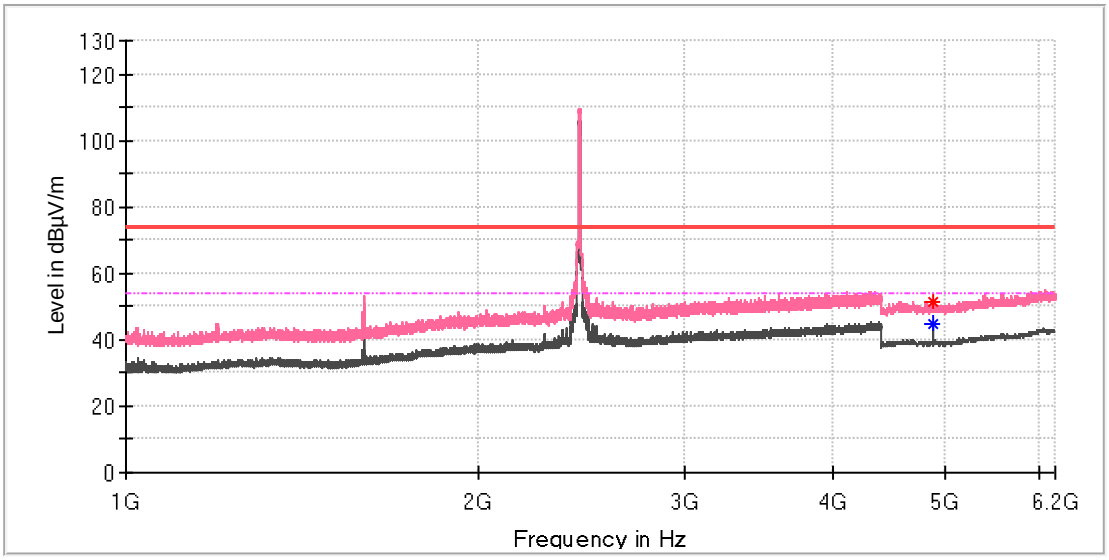
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

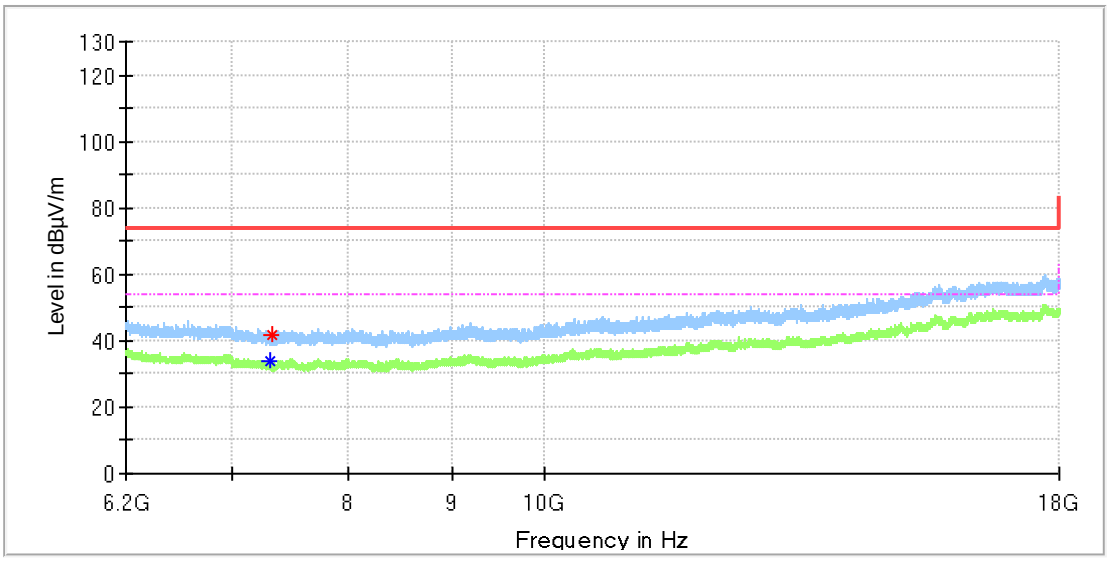
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	51.66	---	74.00	22.34	100.0	V	63.0	11.8
4874.000000	---	44.58	54.00	9.42	100.0	V	63.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

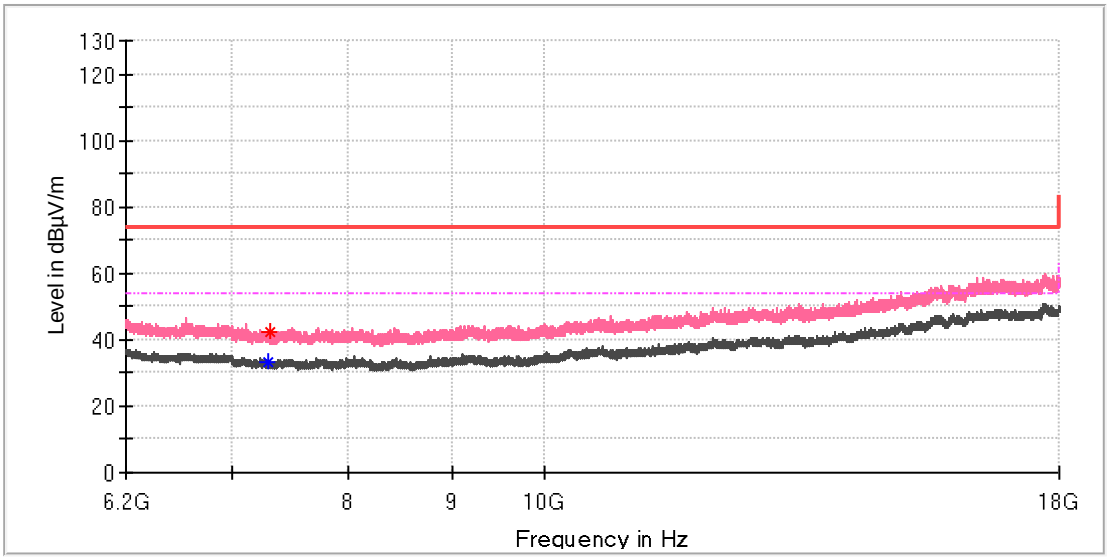
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7316.575000	---	33.74	54.00	20.26	100.0	H	67.0	8.2
7318.541667	41.60	---	74.00	32.40	100.0	H	177.0	8.2

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 Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

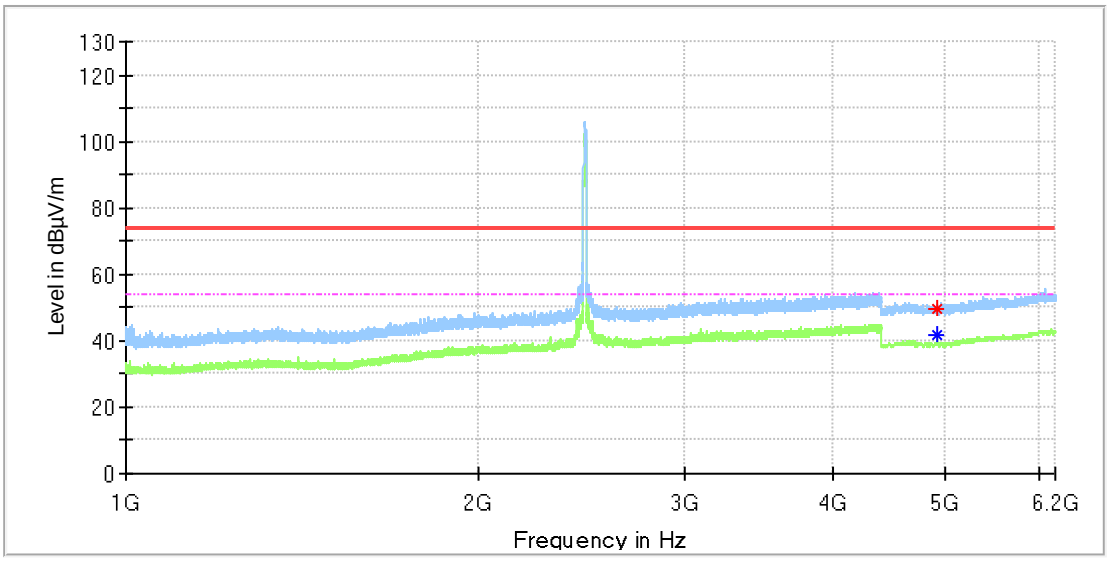
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7294.941667	---	33.52	54.00	20.48	100.0	V	296.0	8.3
7309.691667	42.27	---	74.00	31.73	100.0	V	332.0	8.2

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 Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

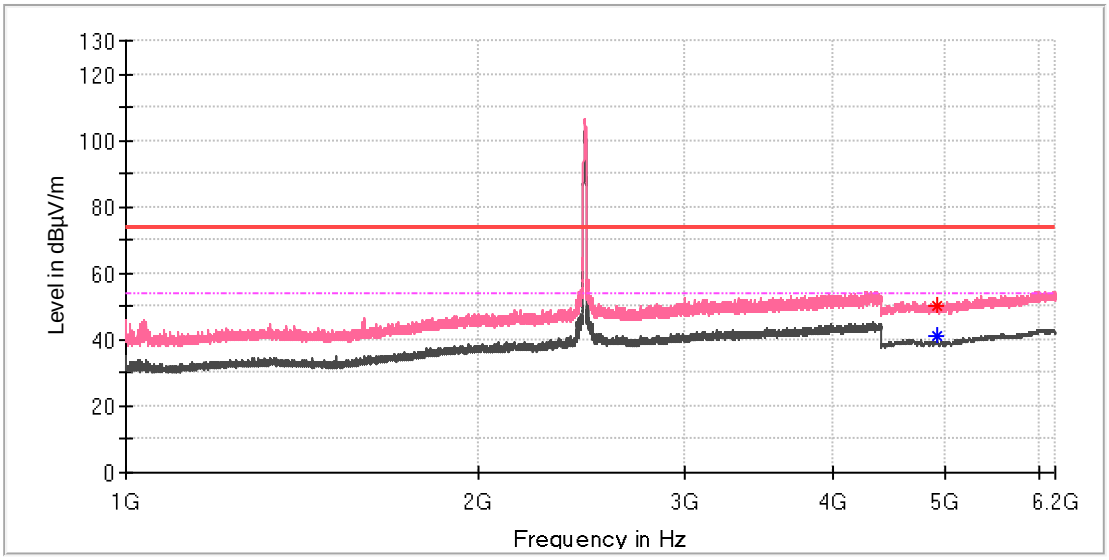
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	49.74	---	74.00	24.26	100.0	H	295.0	11.8
4924.000000	---	41.69	54.00	12.31	100.0	H	295.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

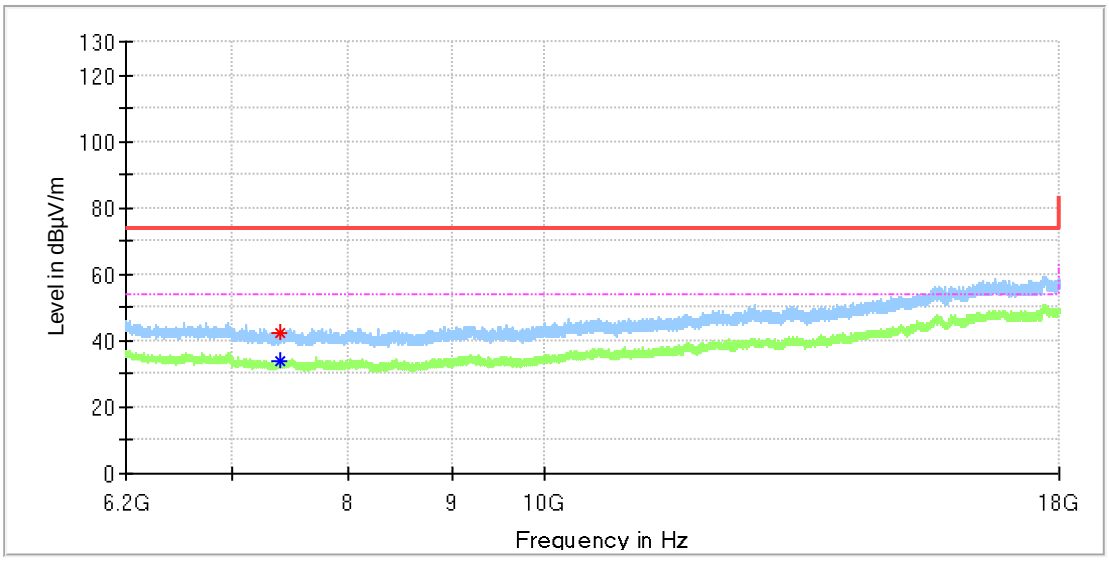
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	---	41.00	54.00	13.00	100.0	V	94.0	11.8
4924.500000	50.49	---	74.00	23.51	100.0	V	278.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

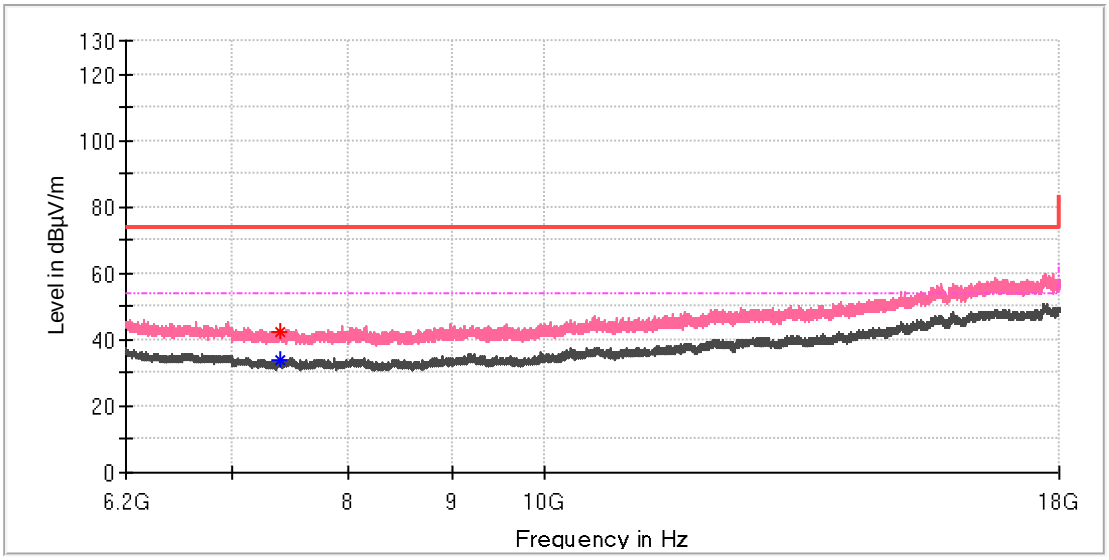
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7390.816667	42.30	---	74.00	31.70	100.0	H	95.0	8.3
7394.258333	---	33.77	54.00	20.23	100.0	H	61.0	8.3

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

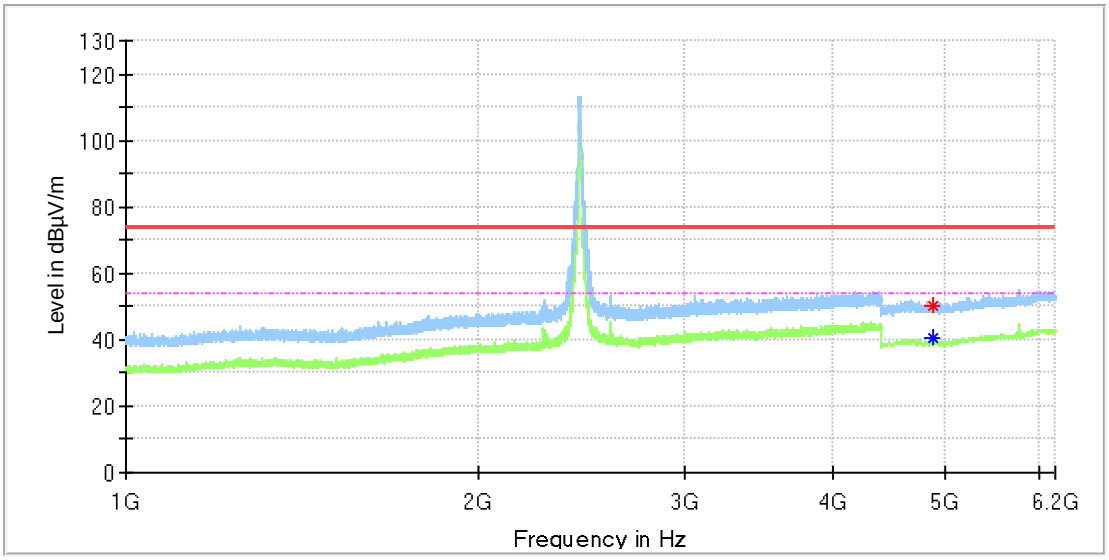
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7386.883333	42.22	---	74.00	31.78	100.0	V	299.0	8.2
7395.241667	---	33.95	54.00	20.05	100.0	V	238.0	8.3

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

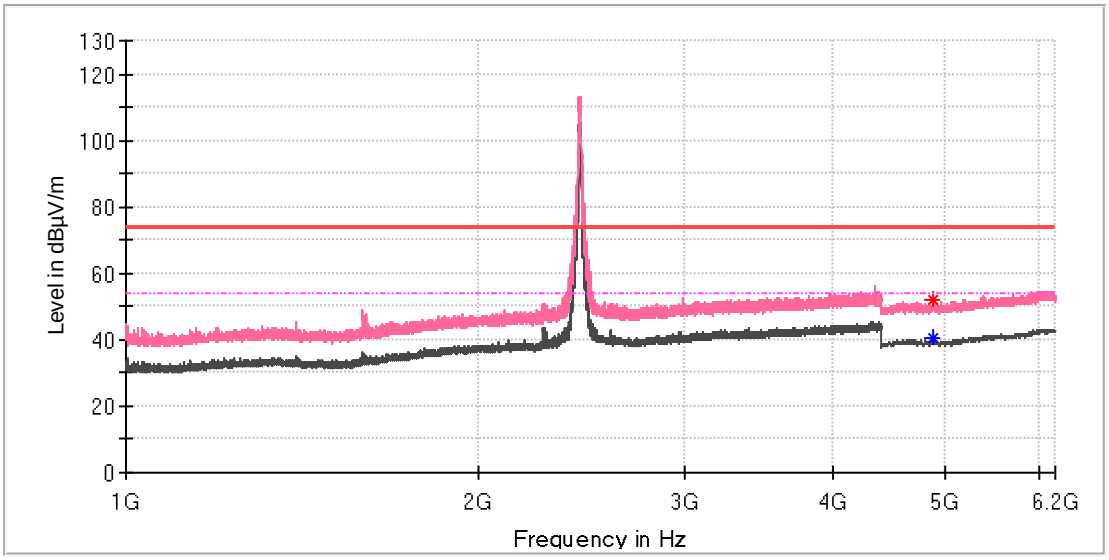
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4872.500000	---	40.50	54.00	13.50	100.0	H	5.0	11.8
4874.500000	50.33	---	74.00	23.67	100.0	H	319.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

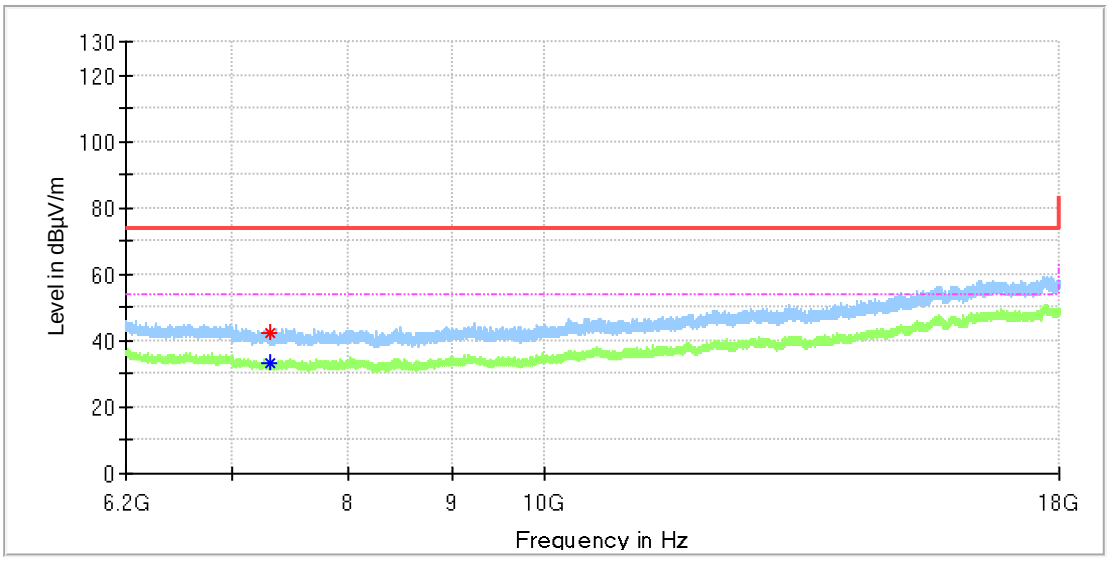
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.500000	52.30	---	74.00	21.70	100.0	V	54.0	11.8
4875.500000	---	40.48	54.00	13.52	100.0	V	61.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

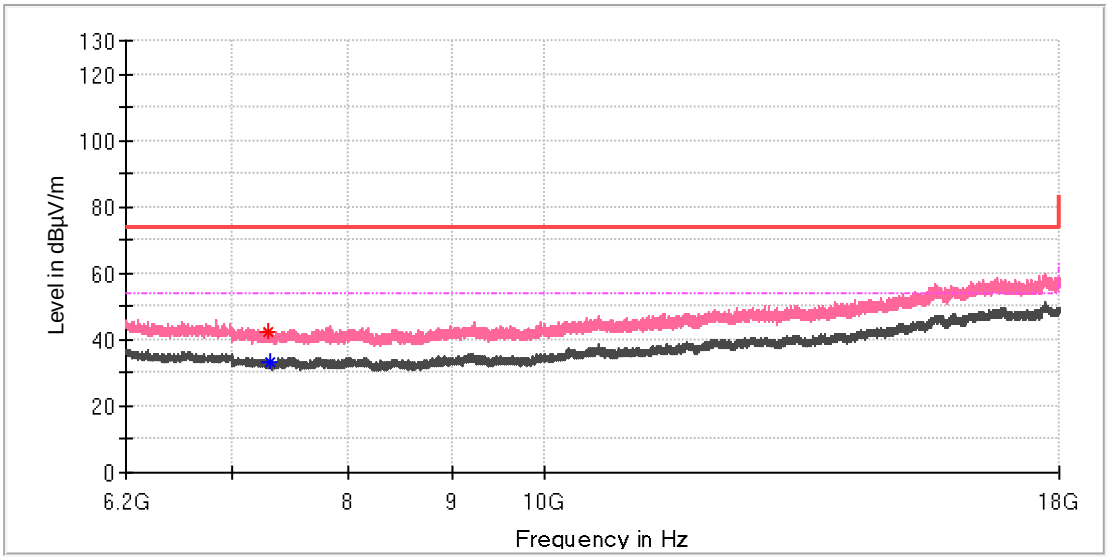
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7305.758333	---	33.14	54.00	20.86	100.0	H	312.0	8.3
7306.741667	42.09	---	74.00	31.91	100.0	H	72.0	8.3

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

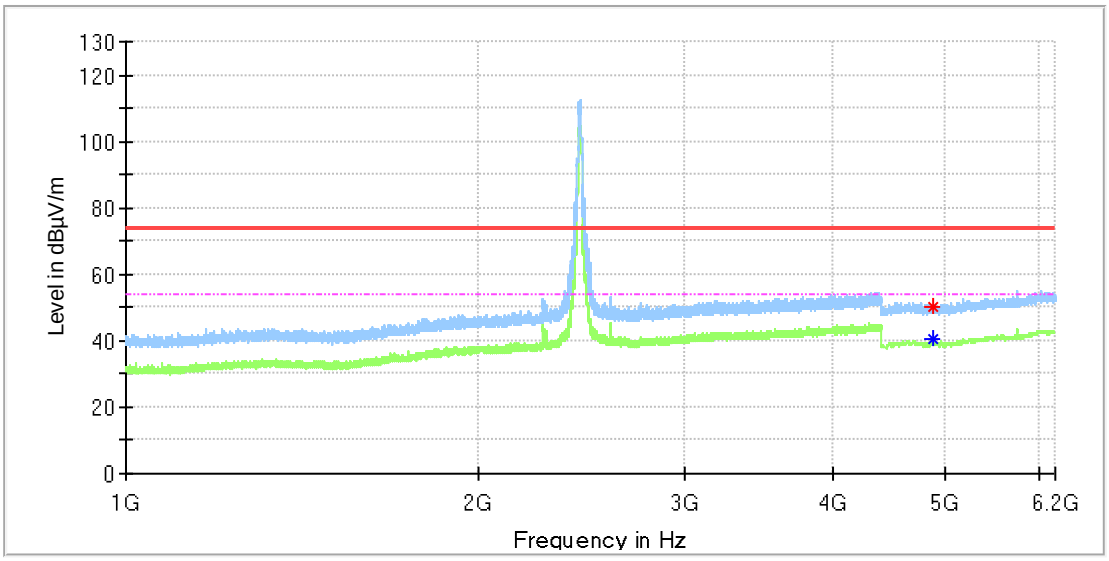
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7301.333333	42.59	---	74.00	31.41	100.0	V	63.0	8.3
7317.558333	---	33.43	54.00	20.57	100.0	V	136.0	8.2

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 Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

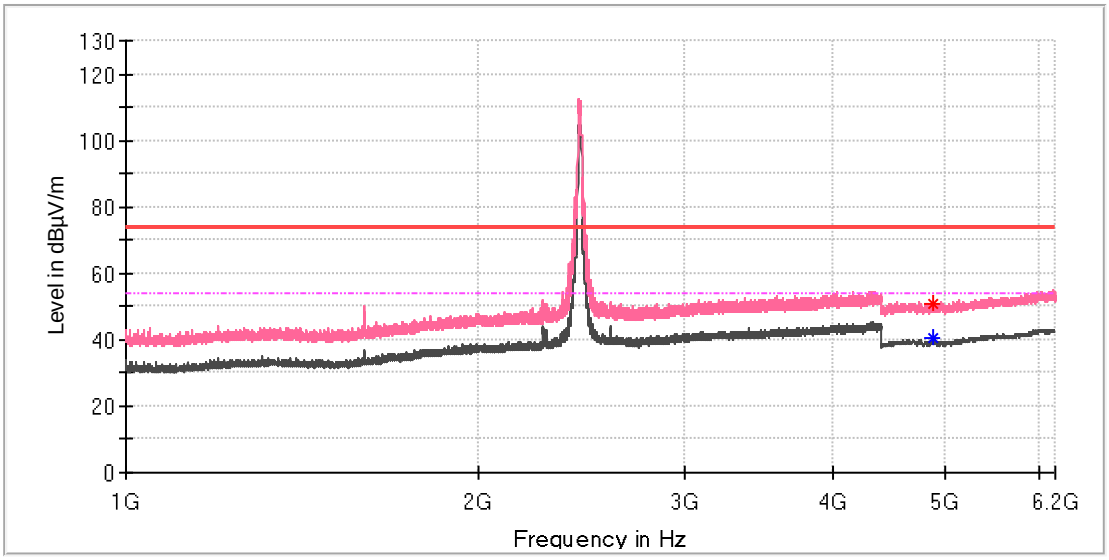
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4875.000000	50.40	---	74.00	23.60	100.0	H	301.0	11.8
4878.500000	---	40.65	54.00	13.35	100.0	H	293.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

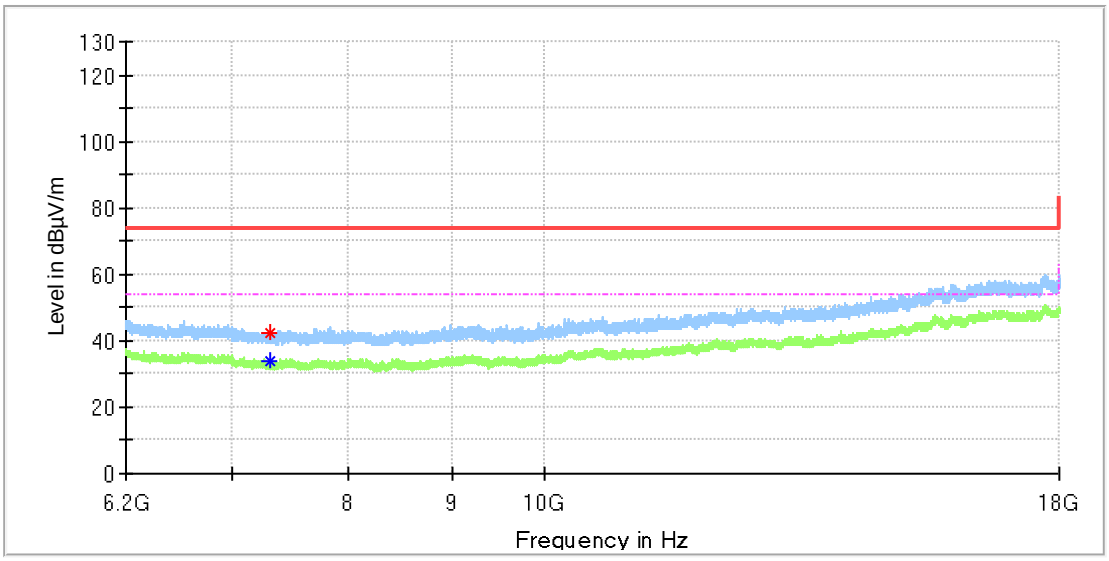
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	---	40.40	54.00	13.60	100.0	V	60.0	11.8
4877.000000	50.70	---	74.00	23.30	100.0	V	101.0	11.8

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch6
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

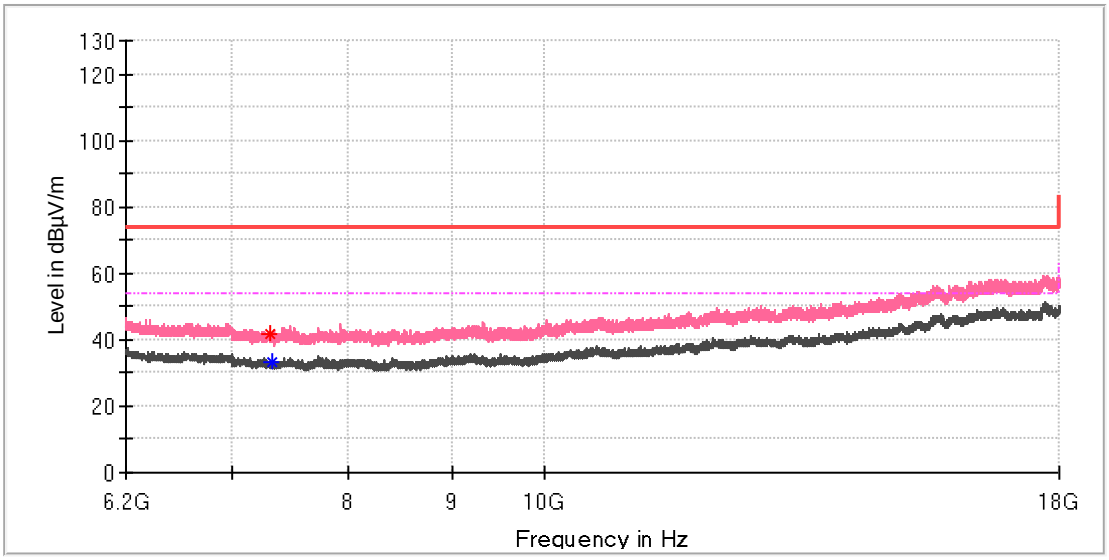
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7306.741667	42.16	---	74.00	31.84	100.0	H	3.0	8.3
7306.741667	---	33.57	54.00	20.43	100.0	H	3.0	8.3

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch6
Order No/Sample No:	168361506/A003218991-002
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)
7310.183333	41.96	---	74.00	32.04	100.0	V	270.0	8.2
7318.541667	---	33.38	54.00	20.62	100.0	V	244.0	8.2

Final_Result

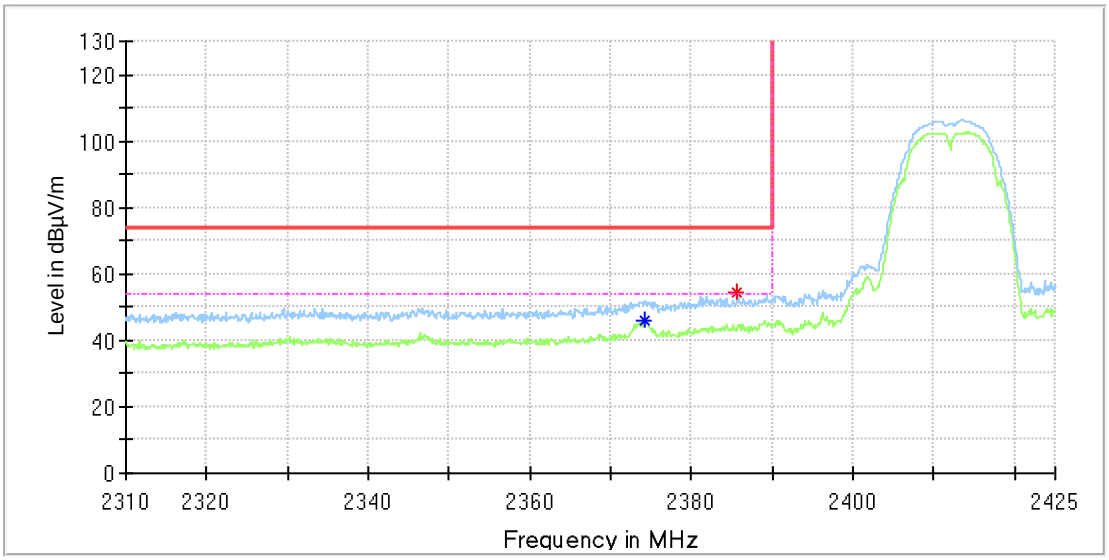
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

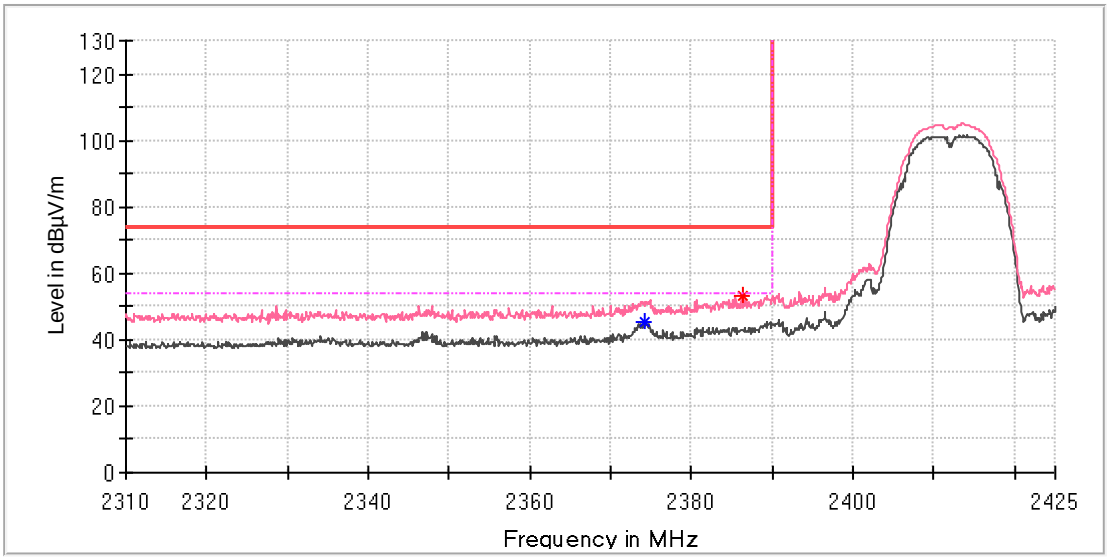
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2374.100000	---	45.92	54.00	8.08	100.0	H	26.0	6.9
2385.700000	54.19	---	74.00	19.81	100.0	H	184.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

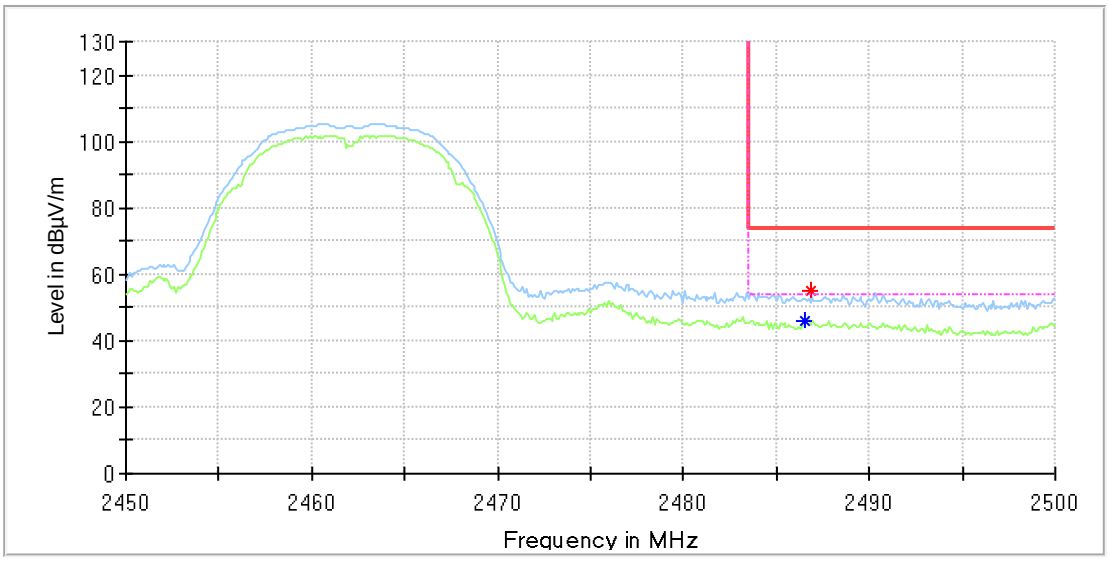
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2374.100000	---	45.59	54.00	8.41	100.0	V	115.0	6.9
2386.300000	53.30	---	74.00	20.70	100.0	V	115.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

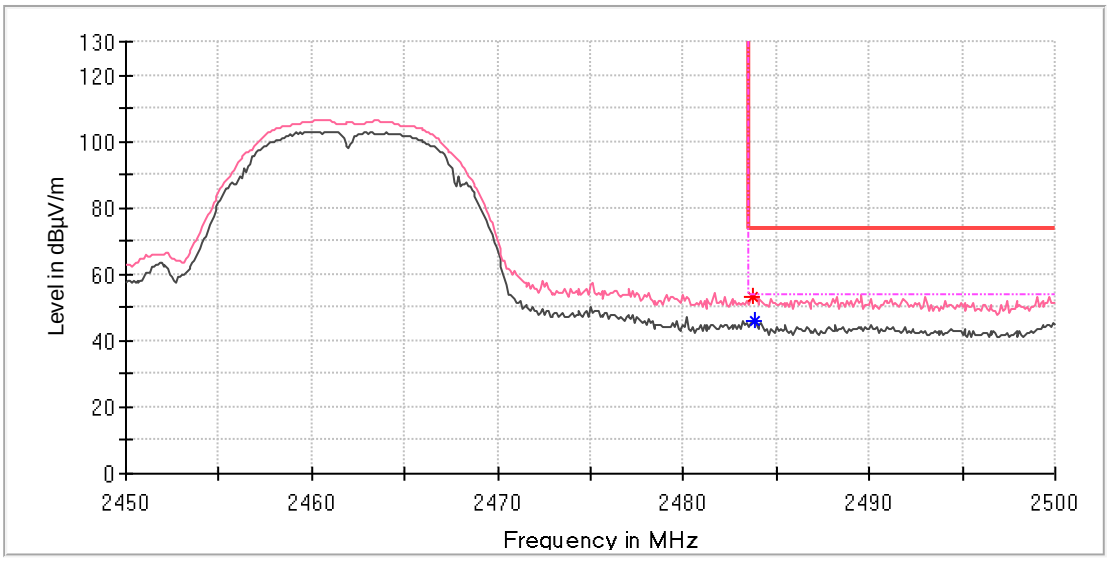
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.500000	---	46.18	54.00	7.82	100.0	H	354.0	7.4
2486.900000	55.13	---	74.00	18.87	100.0	H	109.0	7.4

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361506/A003218991-002
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)
2483.700000	53.51	---	74.00	20.49	100.0	V	186.0	7.4
2483.800000	---	45.86	54.00	8.14	100.0	V	135.0	7.4

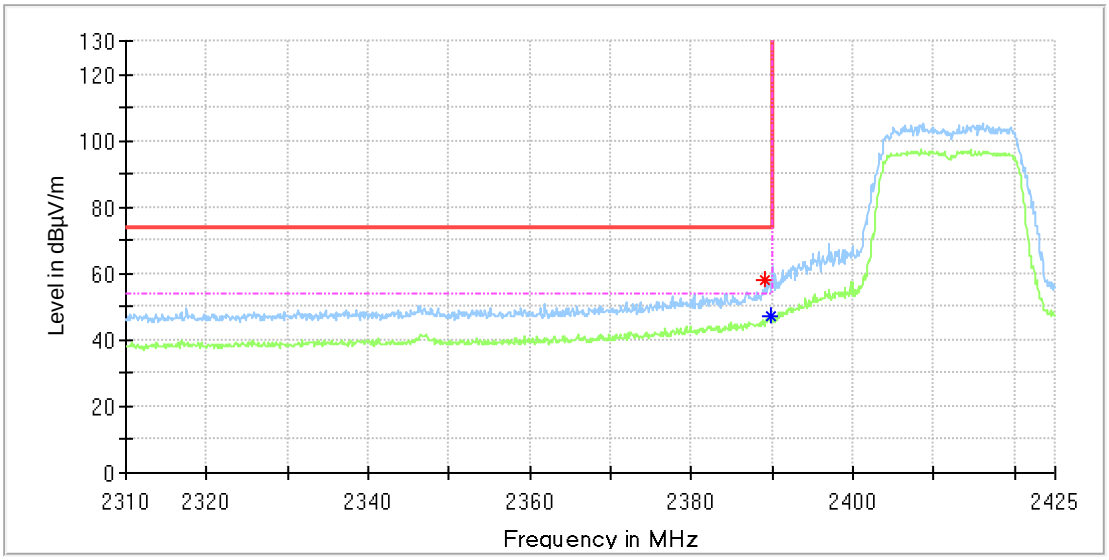
Final_Result

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

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

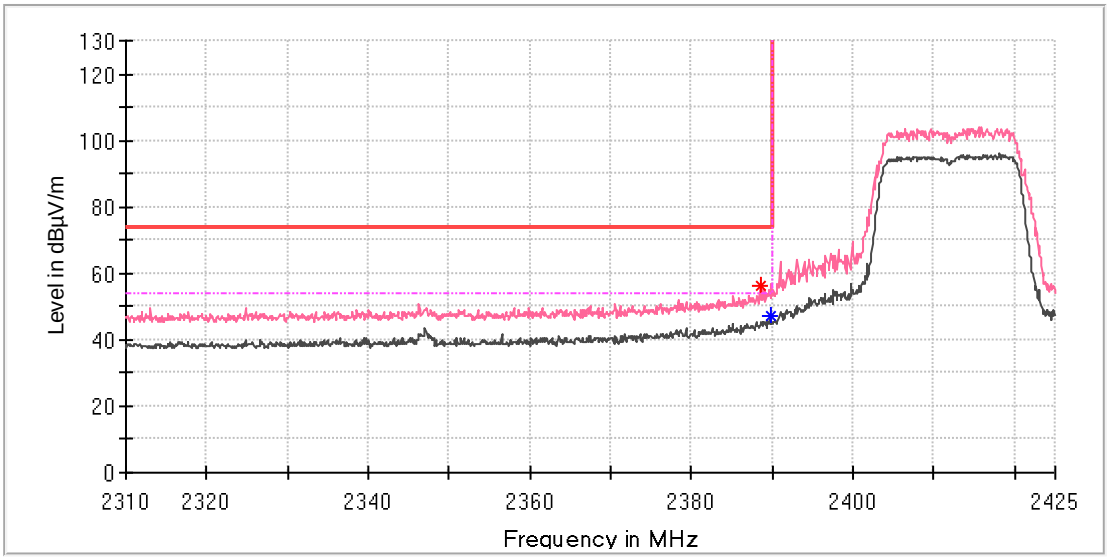
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.100000	58.17	---	74.00	15.84	100.0	H	0.0	7.0
2389.800000	---	47.02	54.00	6.98	100.0	H	47.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

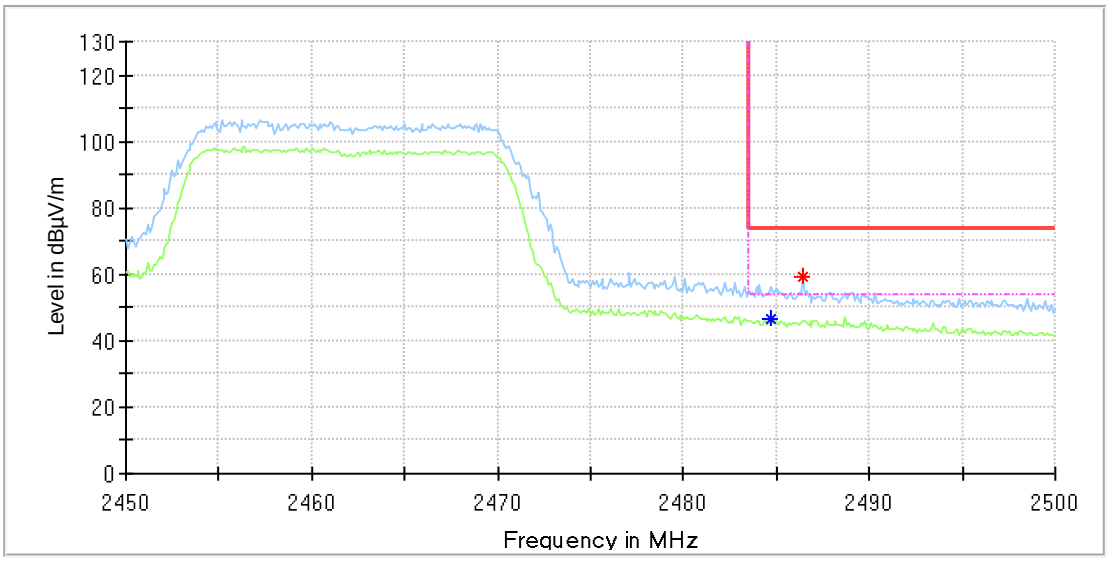
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.500000	56.09	---	74.00	17.91	100.0	V	89.0	7.0
2389.700000	---	46.99	54.00	7.01	100.0	V	190.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

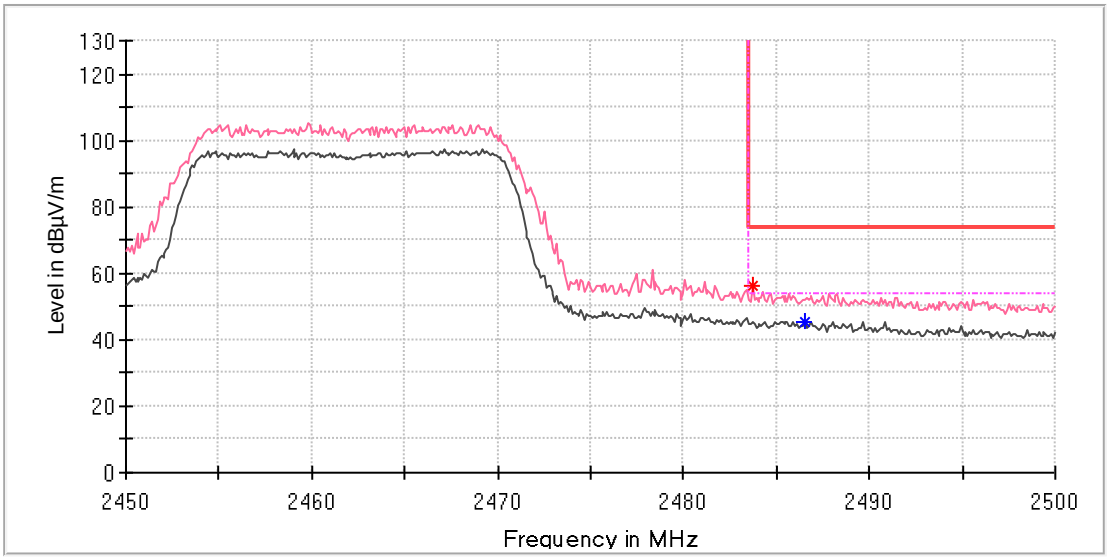
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.700000	---	46.51	54.00	7.49	100.0	H	88.0	7.4
2486.400000	59.25	---	74.00	14.75	100.0	H	88.0	7.4

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch11
Order No/Sample No:	168361506/A003218991-002
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)
2483.700000	56.38	---	74.00	17.62	100.0	V	186.0	7.4
2486.500000	---	45.20	54.00	8.80	100.0	V	186.0	7.4

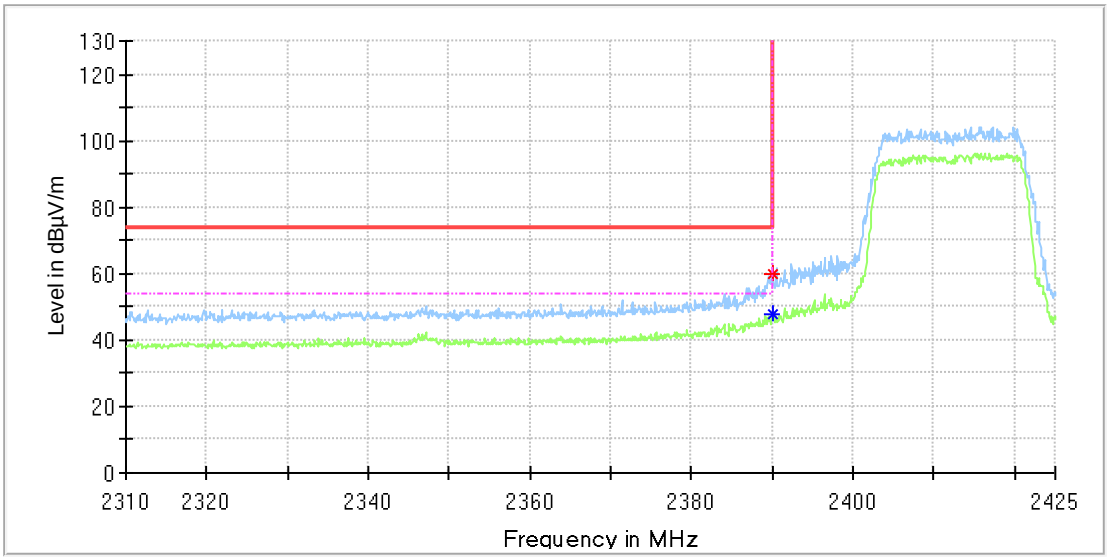
Final_Result

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, MCS0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

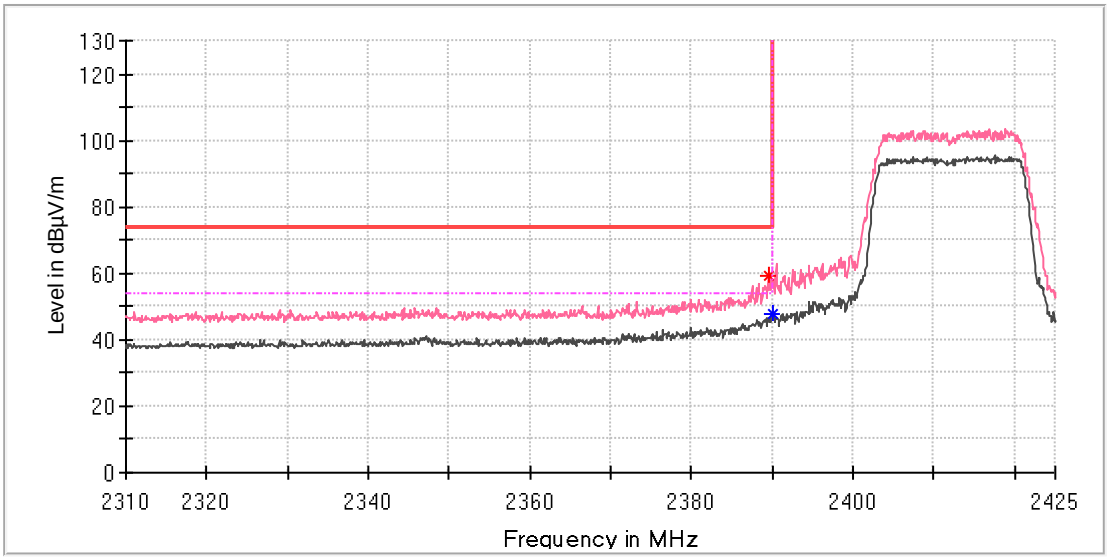
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	59.59	---	74.00	14.41	100.0	H	48.0	7.0
2390.000000	---	47.69	54.00	6.31	100.0	H	48.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch1
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

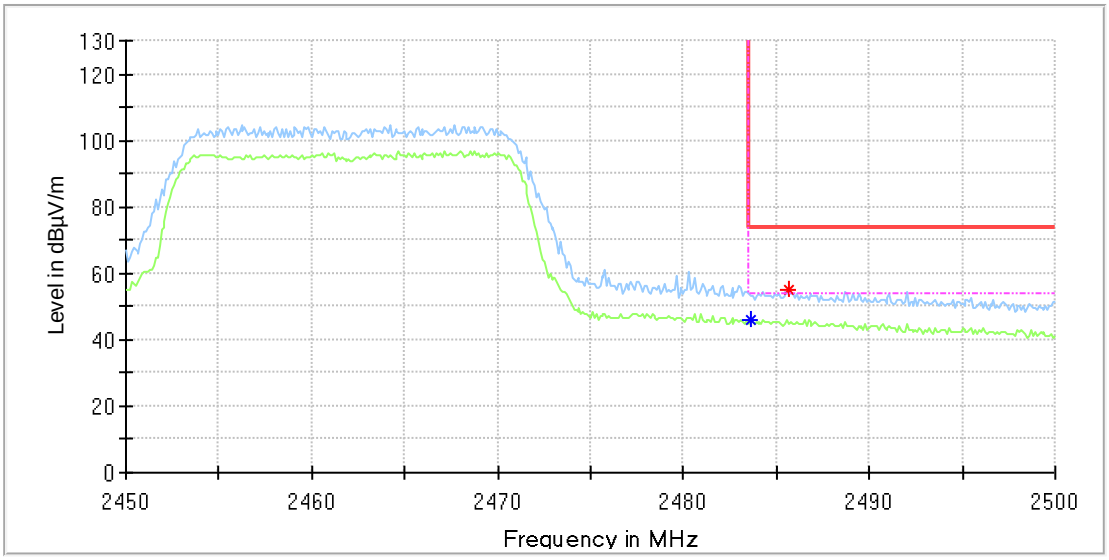
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.500000	59.40	---	74.00	14.60	100.0	V	190.0	7.0
2390.000000	---	47.82	54.00	6.18	100.0	V	181.0	7.0

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch11
Order No/Sample No:	168361506/A003218991-002
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

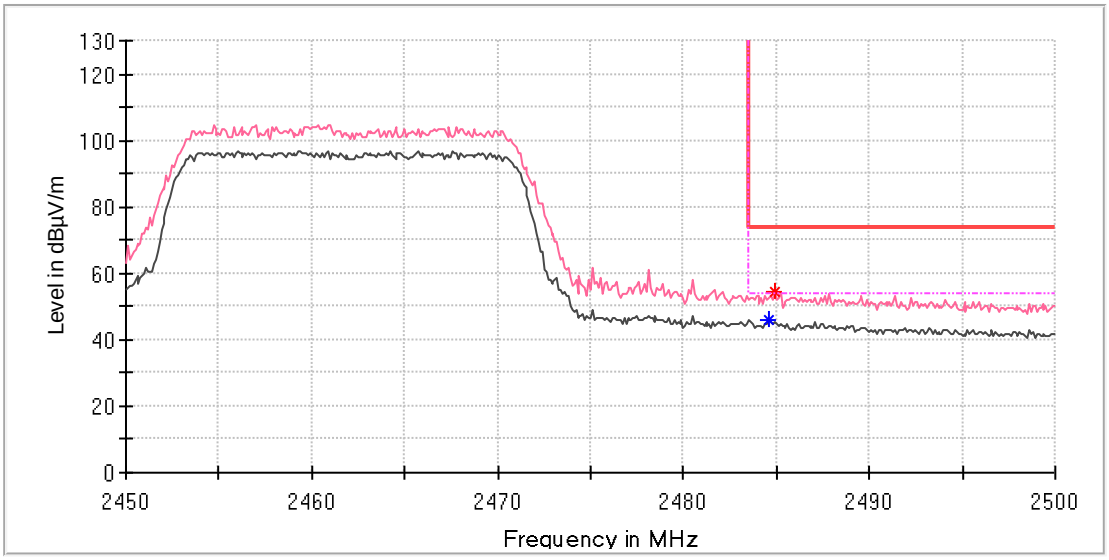
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.600000	---	45.75	54.00	8.25	100.0	H	111.0	7.4
2485.700000	55.14	---	74.00	18.86	100.0	H	353.0	7.4

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n_Ch11
Order No/Sample No:	168361506/A003218991-002
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)
2484.600000	---	46.16	54.00	7.84	100.0	V	180.0	7.4
2484.900000	54.31	---	74.00	19.69	100.0	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)
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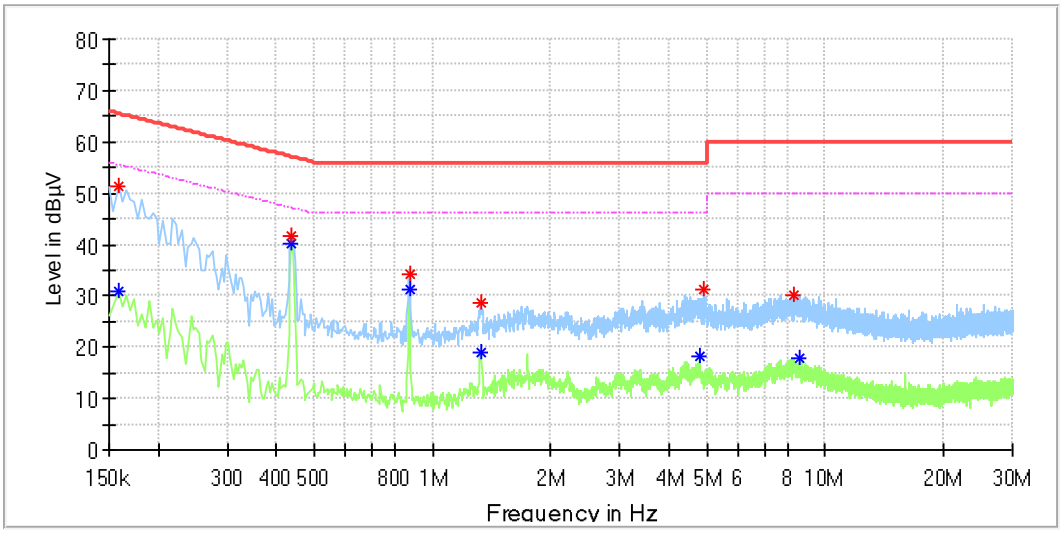
Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Order No:	168361506
Model:	Q400RR
Test mode:	Charging+ Wifi Link
Test Voltage:	AC 120V/60Hz
Test By:	William Wang
Review By:	Terry Yin
Test T/H:	23.5/56%
Pressure:	101kPa



Critical_Freqs

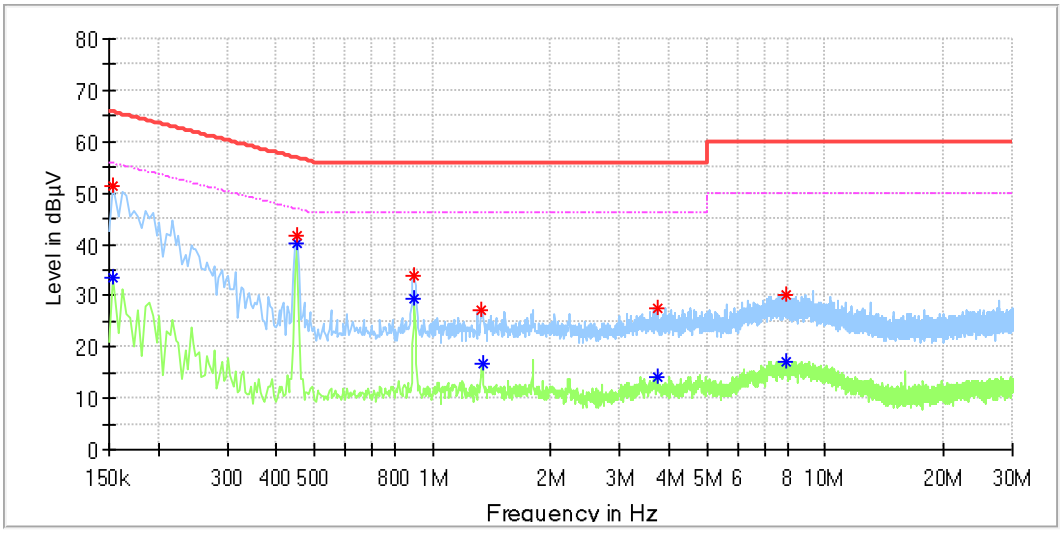
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	51.43	---	65.57	14.14	L1	9.9
0.158000	---	30.86	55.57	24.71	L1	9.9
0.438000	---	40.35	47.10	6.75	L1	9.9
0.438000	41.70	---	57.10	15.40	L1	9.9
0.874000	---	31.11	46.00	14.89	L1	10.0
0.874000	34.20	---	56.00	21.80	L1	10.0
1.326000	---	19.11	46.00	26.89	L1	10.1
1.326000	28.48	---	56.00	27.52	L1	10.1
4.770000	---	18.35	46.00	27.65	L1	10.2
4.898000	31.43	---	56.00	24.57	L1	10.2
8.294000	30.26	---	60.00	29.74	L1	10.3
8.630000	---	17.82	50.00	32.18	L1	10.3

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
---	---	---	---	---	---	---		---

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Order No:	168361506
Model:	Q400RR
Test mode:	Charging+ Wifi Link
Test Voltage:	AC 120V/60Hz
Test By:	William Wang
Review By:	Terry Yin
Test T/H:	23.5/56%
Pressure:	101kPa



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	51.32	---	65.78	14.46	N	9.8
0.154000	---	33.37	55.78	22.41	N	9.8
0.450000	---	40.07	46.88	6.81	N	9.8
0.450000	41.76	---	56.88	15.12	N	9.8
0.894000	33.79	---	56.00	22.21	N	9.8
0.898000	---	29.23	46.00	16.77	N	9.8
1.334000	27.12	---	56.00	28.88	N	9.8
1.338000	---	16.87	46.00	29.13	N	9.8
3.746000	---	14.07	46.00	31.93	N	9.9
3.758000	27.64	---	56.00	28.36	N	9.9
7.966000	---	17.13	50.00	32.87	N	10.0
7.974000	30.00	---	60.00	30.00	N	10.0

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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