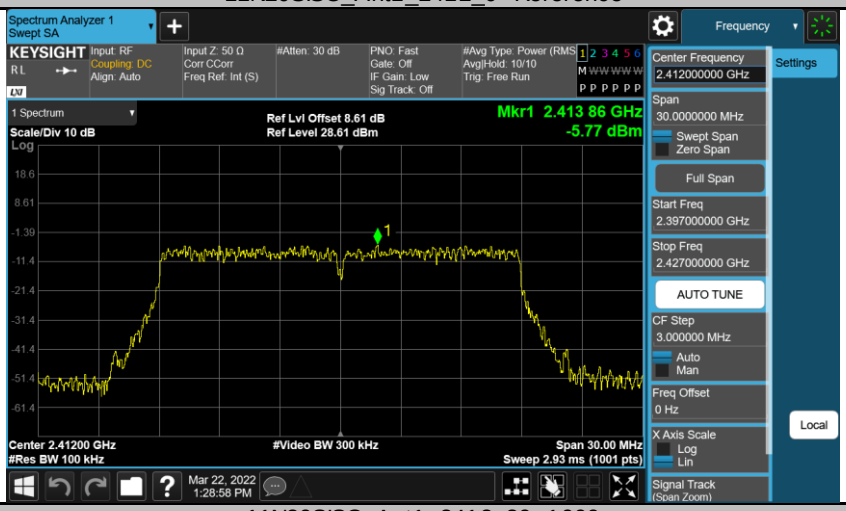
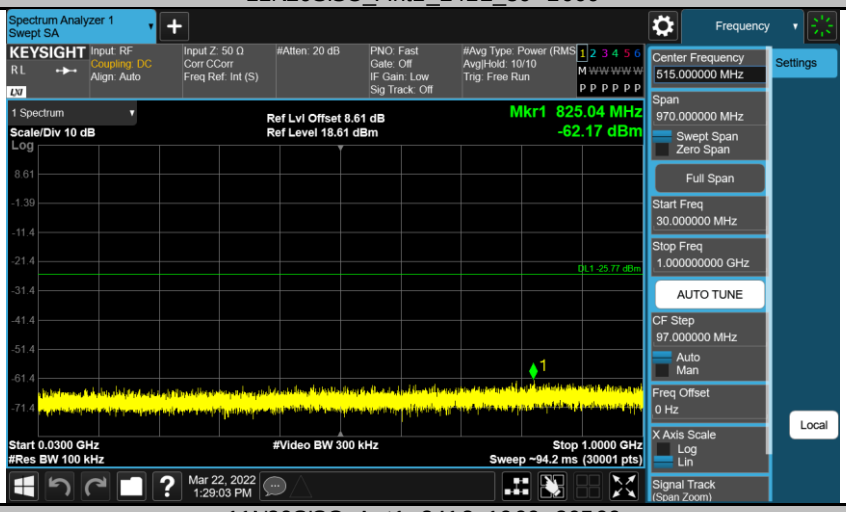
11N20SISO_Ant1_2412_0~Reference

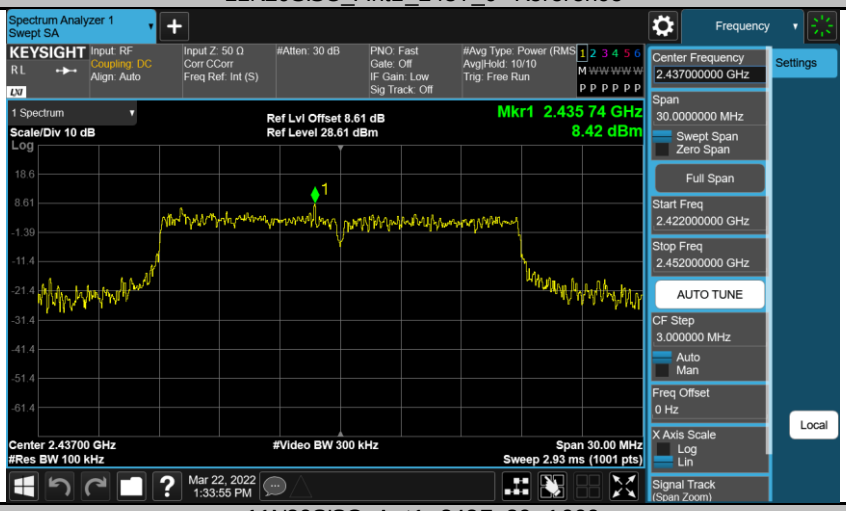


11N20SISO_Ant1_2412_30~1000

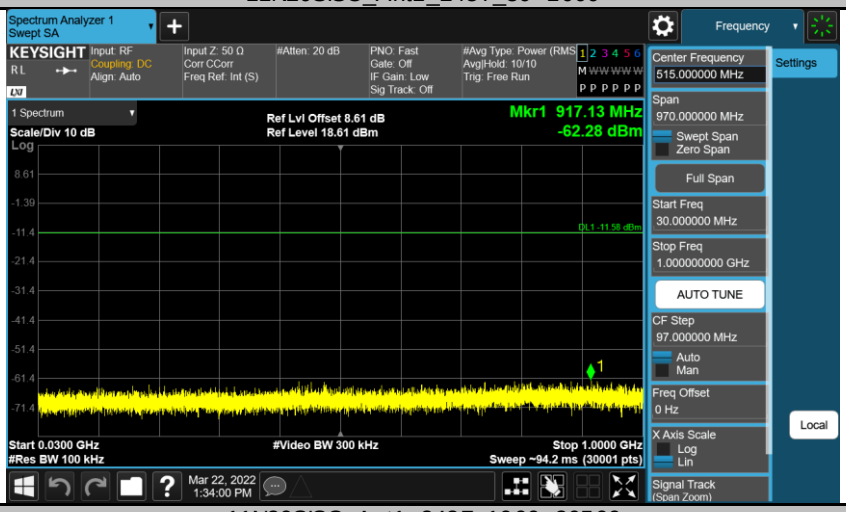


11N20SISO_Ant1_2412_1000~26500

11N20SISO_Ant1_2437_0~Reference

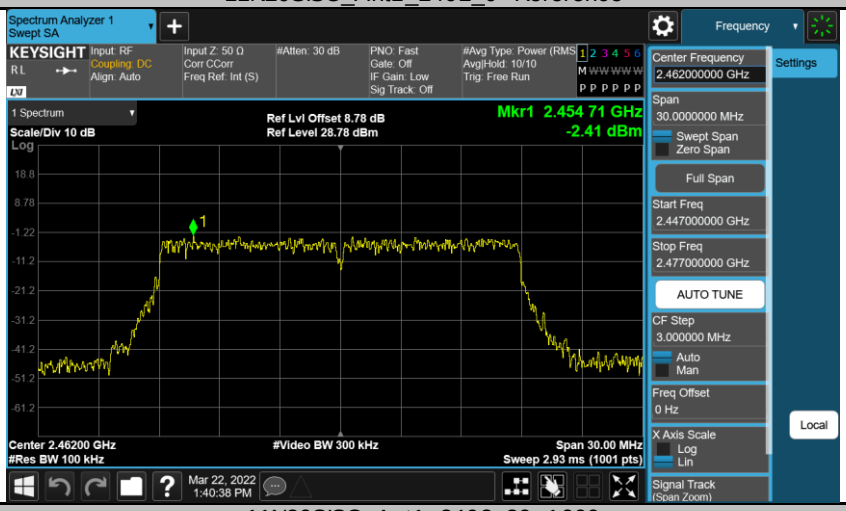


11N20SISO_Ant1_2437_30~1000

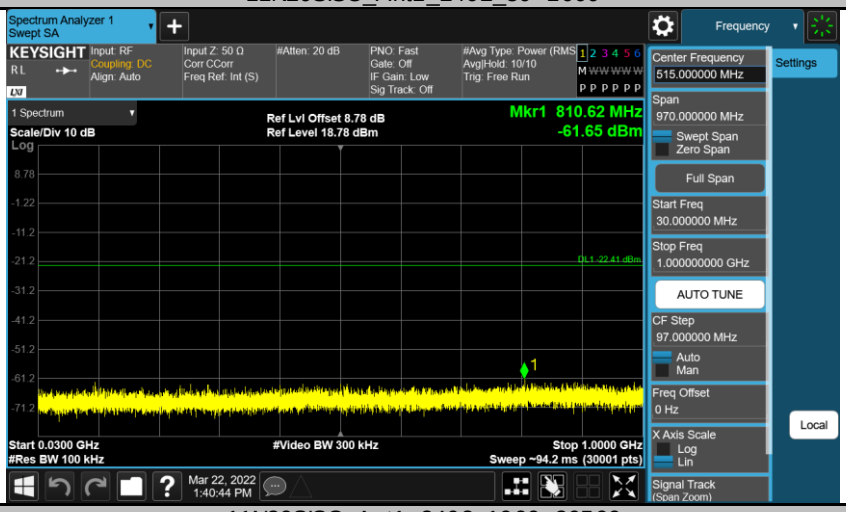


11N20SISO_Ant1_2437_1000~26500

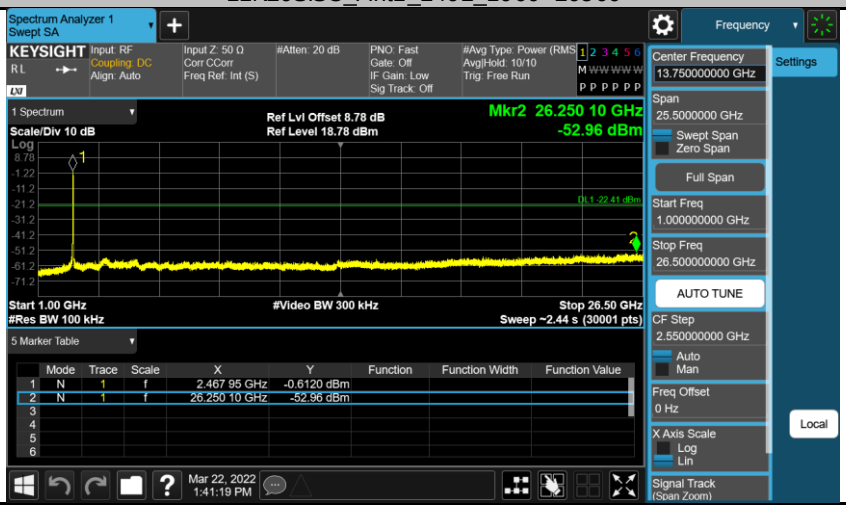
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



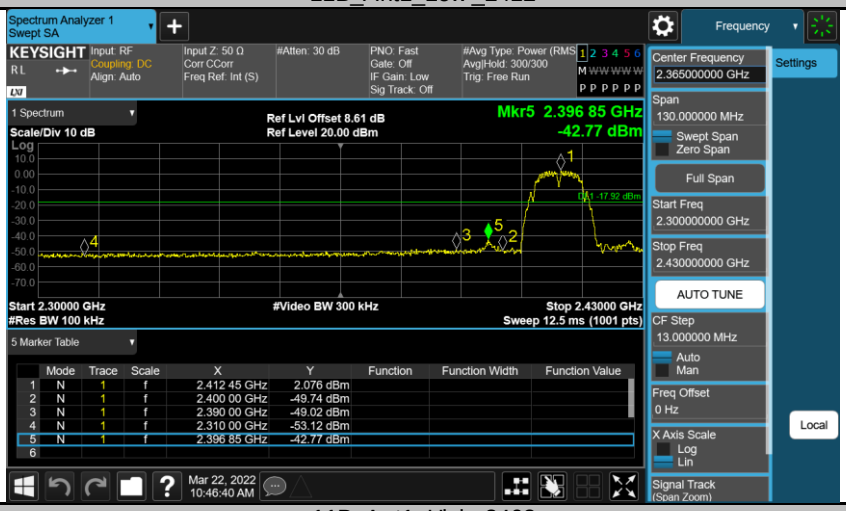
11N20SISO_Ant1_2462_1000~26500



Band Edge

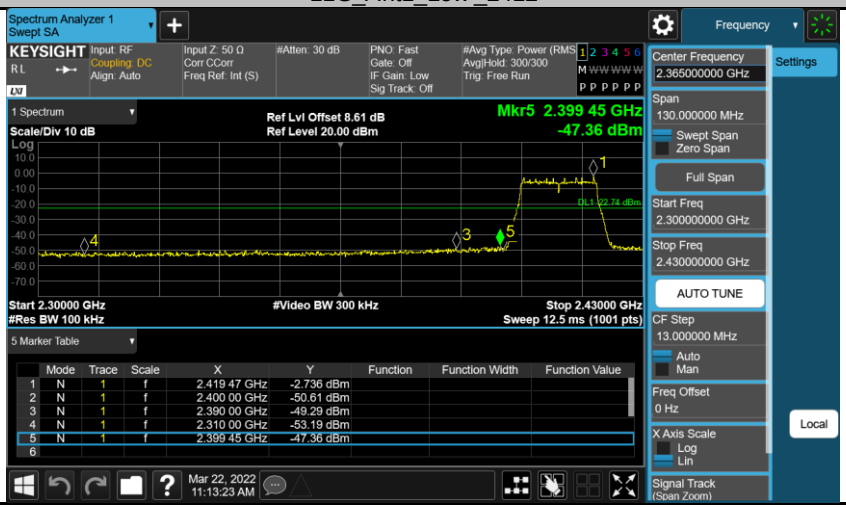
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.08	-42.77	≤-17.92	PASS
		High	2462	5.45	-46.5	≤-14.55	PASS
11G	Ant1	Low	2412	-2.74	-47.36	≤-22.74	PASS
		High	2462	0.99	-46.97	≤-19.01	PASS
11N20SISO	Ant1	Low	2412	-2.71	-46.45	≤-22.71	PASS
		High	2462	0.90	-45.35	≤-19.1	PASS

11B_Ant1_Low_2412

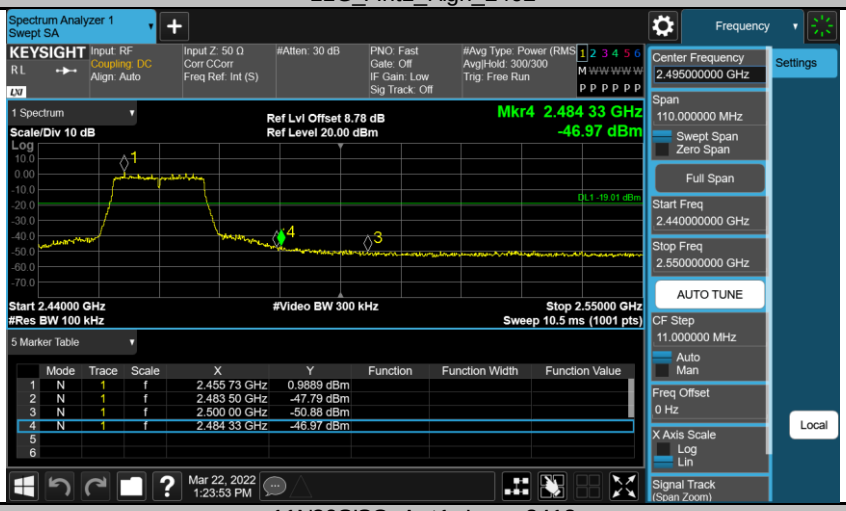


11B_Ant1_High_2462

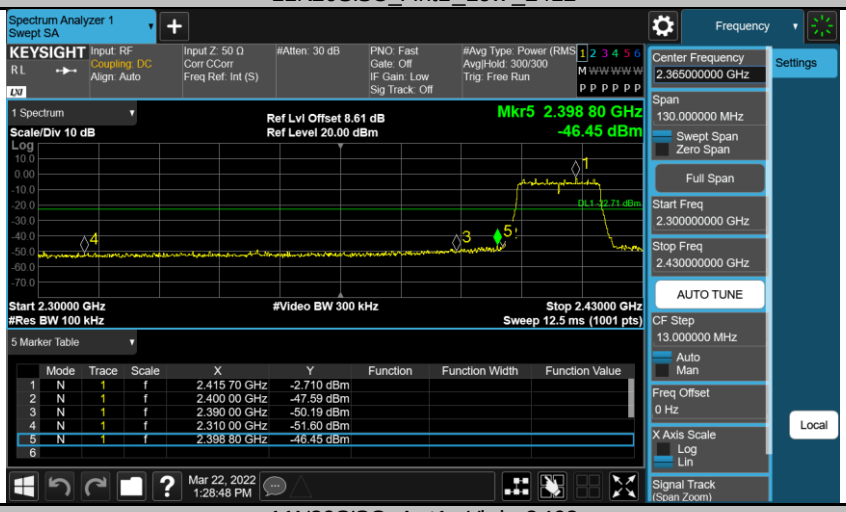
11G_Ant1_Low_2412



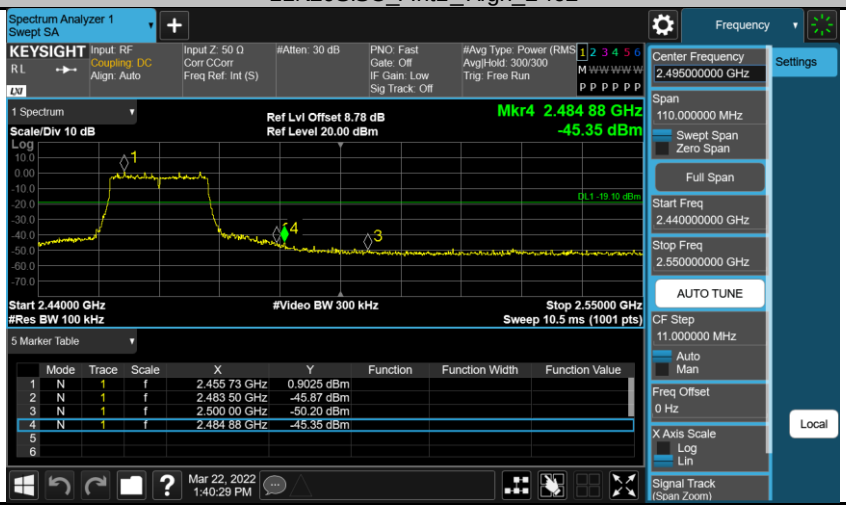
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



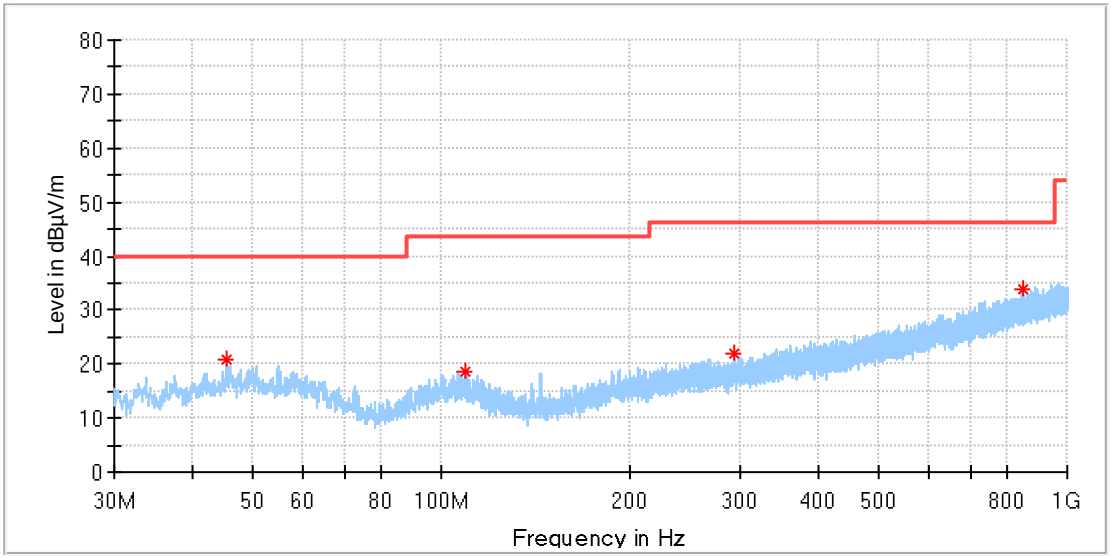
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.5: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
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)
45.277500	20.88	40.00	19.12	100.0	H	56.0	-18.8
109.006500	18.63	43.50	24.87	100.0	H	282.0	-19.0
292.724500	22.10	46.00	23.90	100.0	H	70.0	-16.5
847.807000	33.85	46.00	12.15	100.0	H	0.0	-5.5

Final_Result

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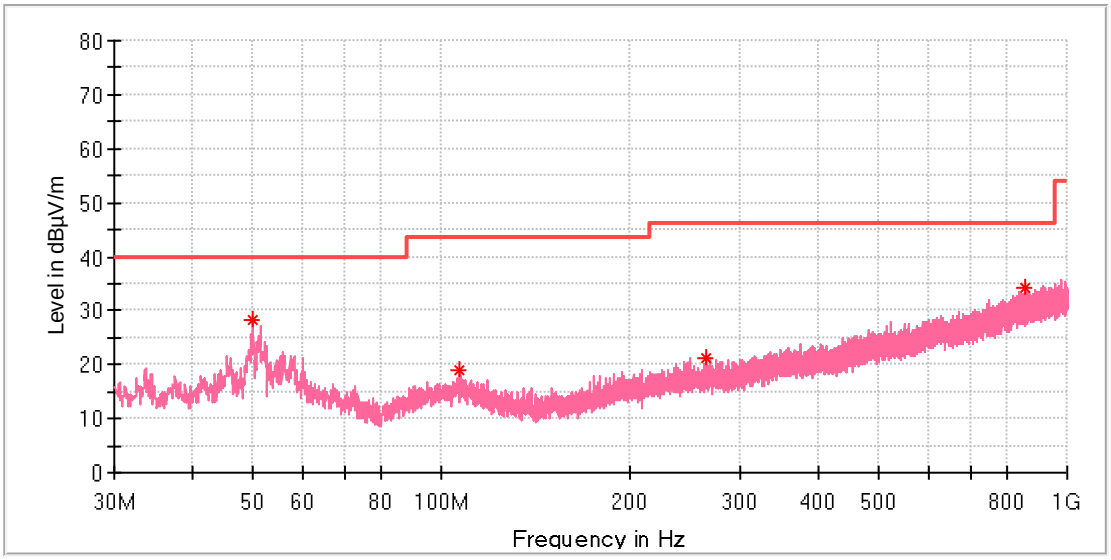
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
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)
50.030500	28.38	40.00	11.62	100.0	V	241.0	-18.3
107.163500	19.08	43.50	24.42	100.0	V	340.0	-18.9
264.449000	21.30	46.00	24.70	100.0	V	281.0	-17.0
858.380000	34.23	46.00	11.77	100.0	V	43.0	-5.4

Final_Result

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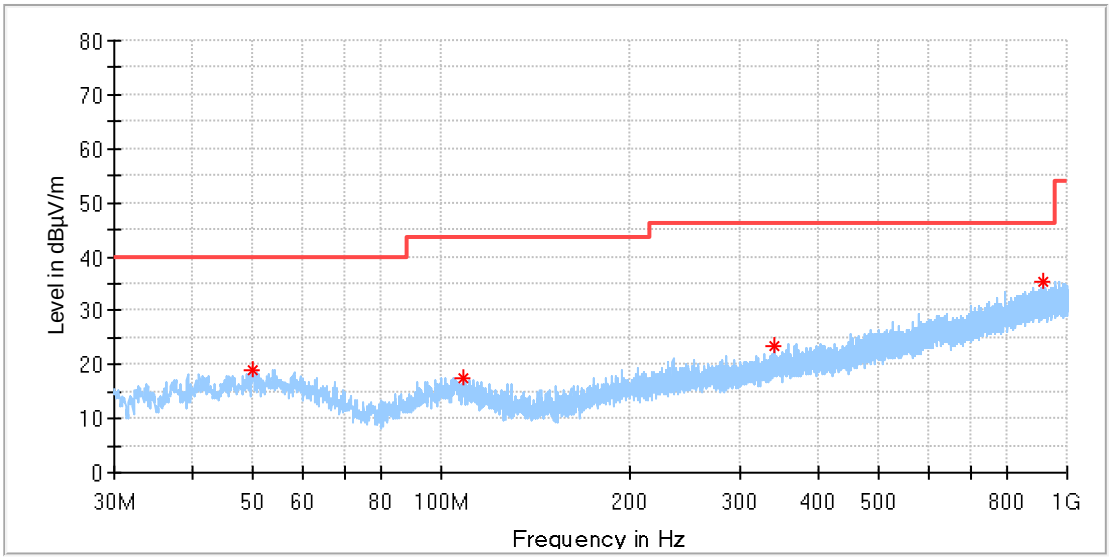
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
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)
50.079000	18.90	40.00	21.10	100.0	H	41.0	-18.3
108.036500	17.51	43.50	25.99	100.0	H	165.0	-18.9
340.254500	23.26	46.00	22.74	100.0	H	261.0	-15.0
915.028000	35.25	46.00	10.75	100.0	H	208.0	-4.9

Final_Result

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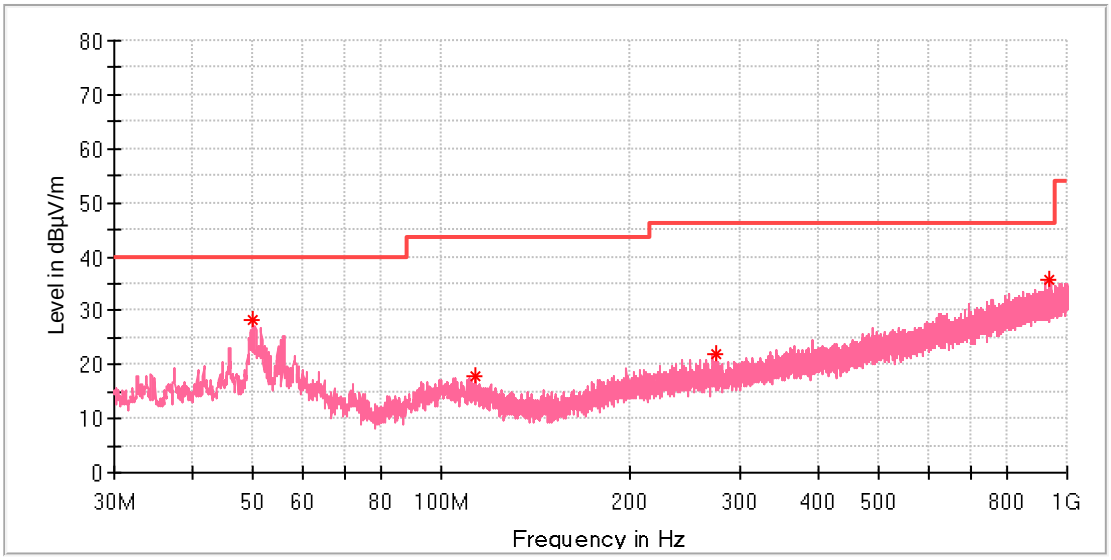
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
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)
49.982000	28.28	40.00	11.72	100.0	V	21.0	-18.3
113.323000	18.01	43.50	25.49	100.0	V	188.0	-19.5
274.973500	22.05	46.00	23.95	100.0	V	310.0	-16.8
936.319500	35.55	46.00	10.45	100.0	V	195.0	-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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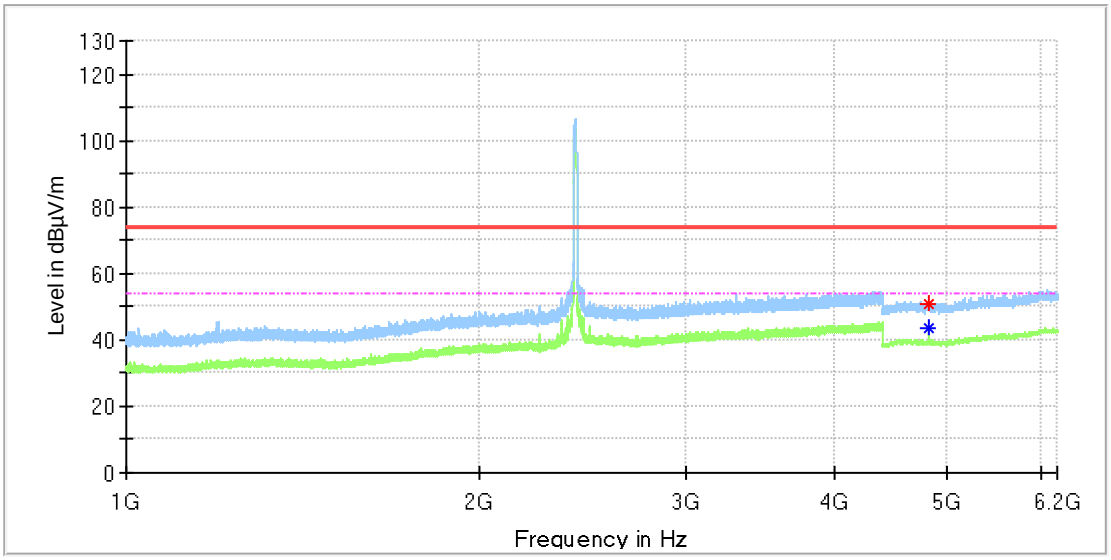
1GHz - 18GHz

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

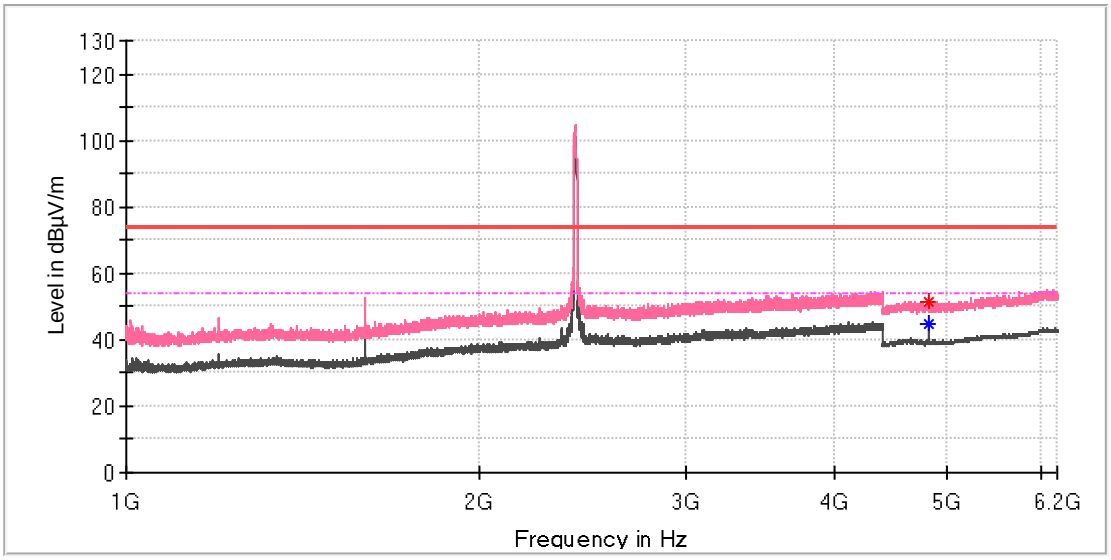
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	51.09	---	74.00	22.91	100.0	H	110.0	11.8
4824.000000	---	43.28	54.00	10.72	100.0	H	359.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
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	51.29	---	74.00	22.71	100.0	V	280.0	11.8
4824.000000	---	44.68	54.00	9.32	100.0	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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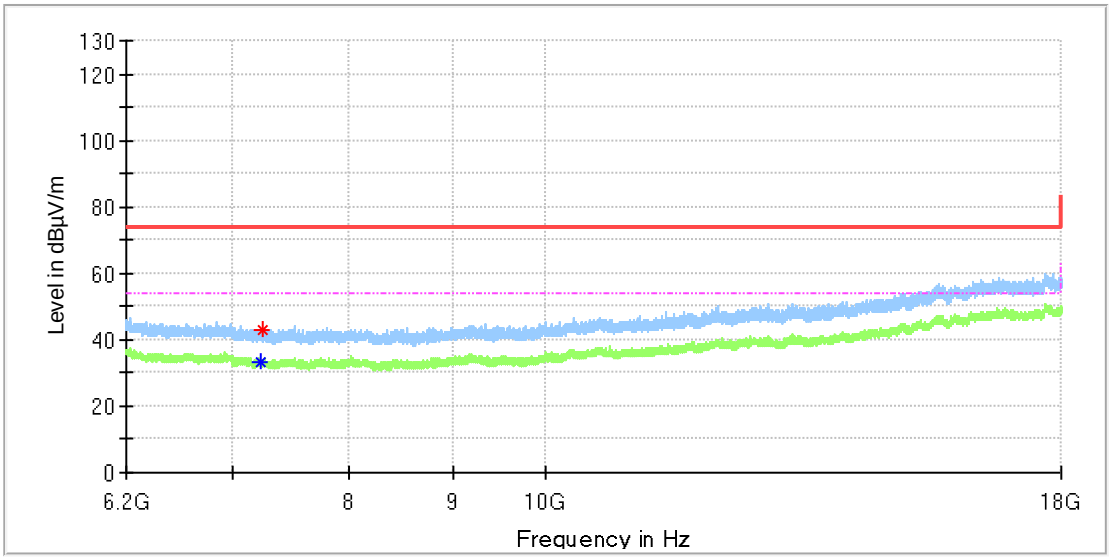
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

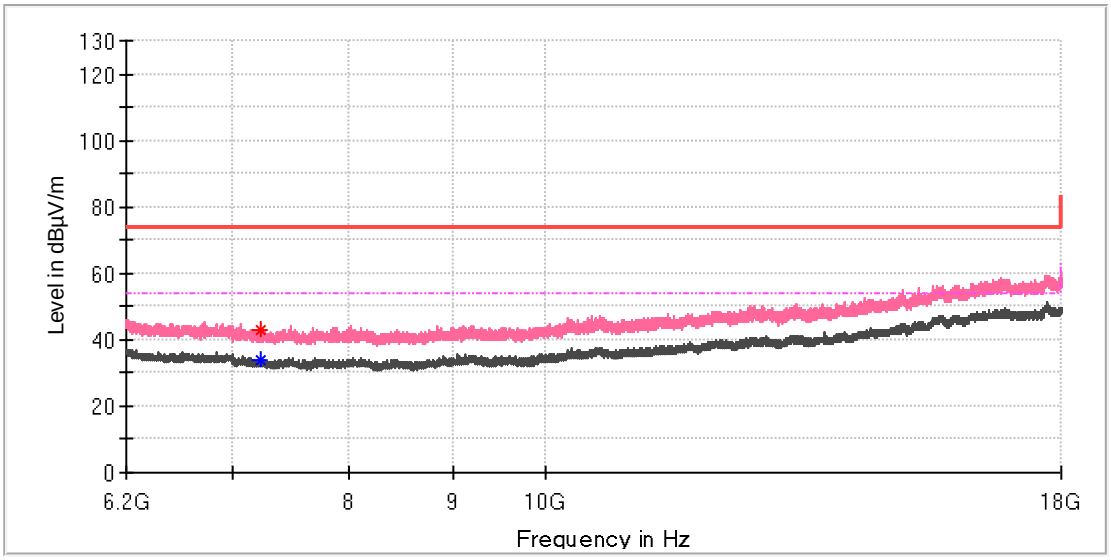
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7234.466667	---	33.50	54.00	20.50	100.0	H	44.0	8.6
7241.350000	42.83	---	74.00	31.17	100.0	H	291.0	8.6

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
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)
7227.583333	---	34.08	54.00	19.92	100.0	V	49.0	8.7
7229.058333	43.16	---	74.00	30.84	100.0	V	112.0	8.6

Final_Result

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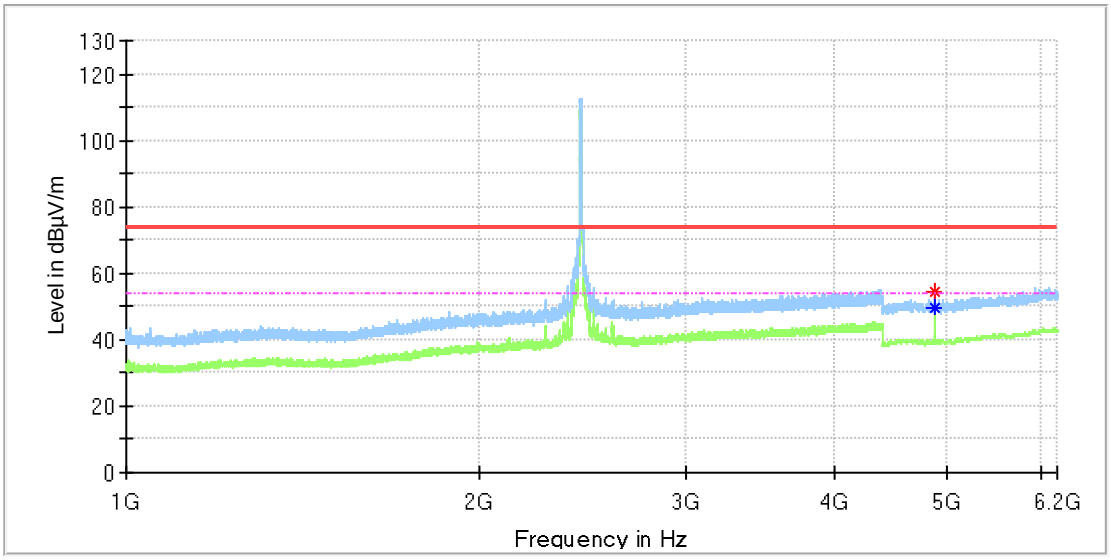
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361509/A003218991-006
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	54.30	---	74.00	19.70	100.0	H	255.0	11.8
4874.000000	---	49.83	54.00	4.17	100.0	H	255.0	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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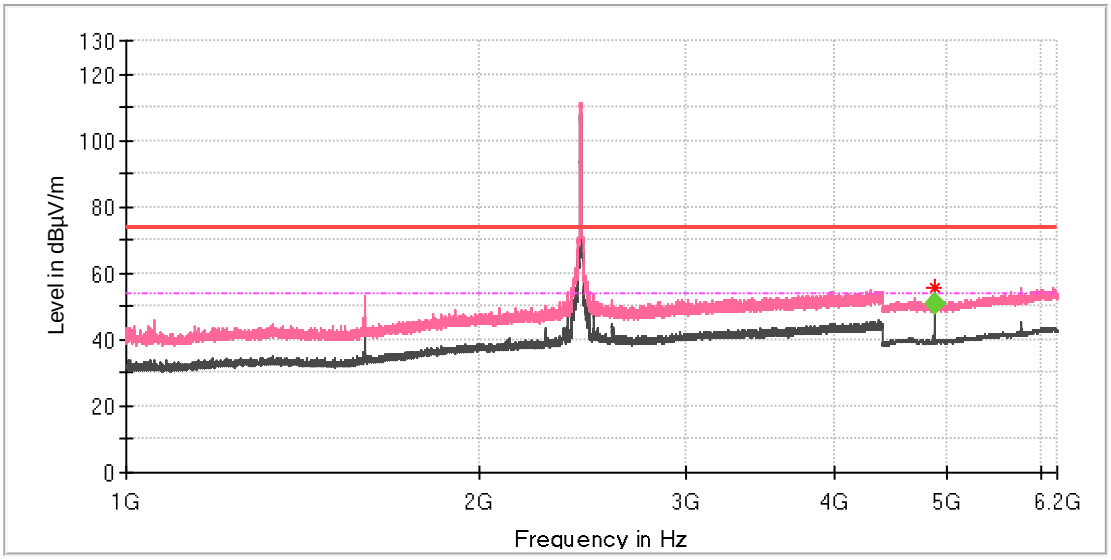
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

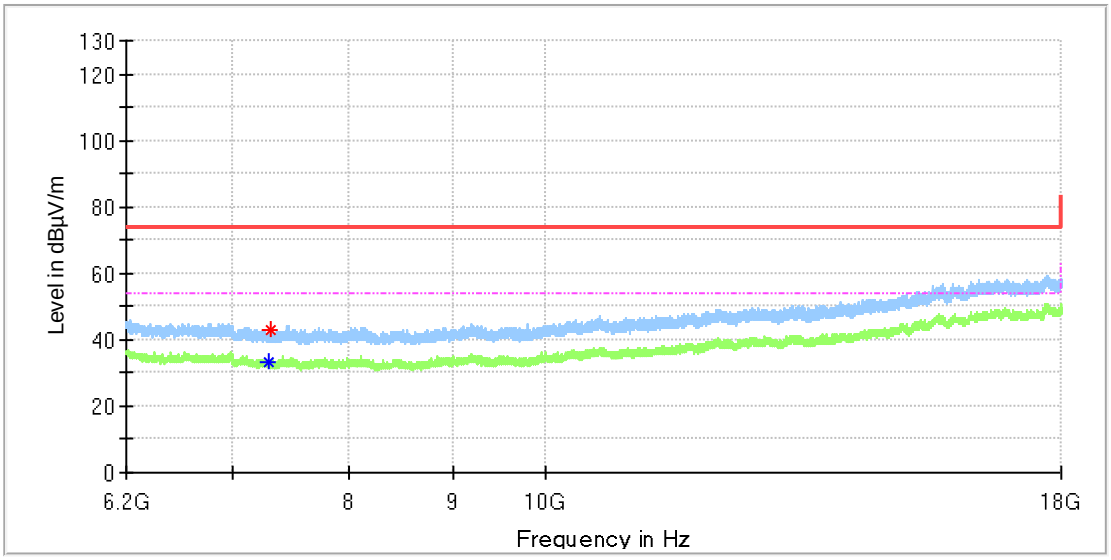
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	55.35	---	74.00	18.65	100.0	V	293.0	11.8

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.888889	50.91	54.00	3.09	105.0	V	291.0	11.8

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361509/A003218991-006
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)
7295.433333	---	33.51	54.00	20.49	100.0	H	305.0	8.3
7312.150000	43.02	---	74.00	30.98	100.0	H	220.0	8.2

Final_Result

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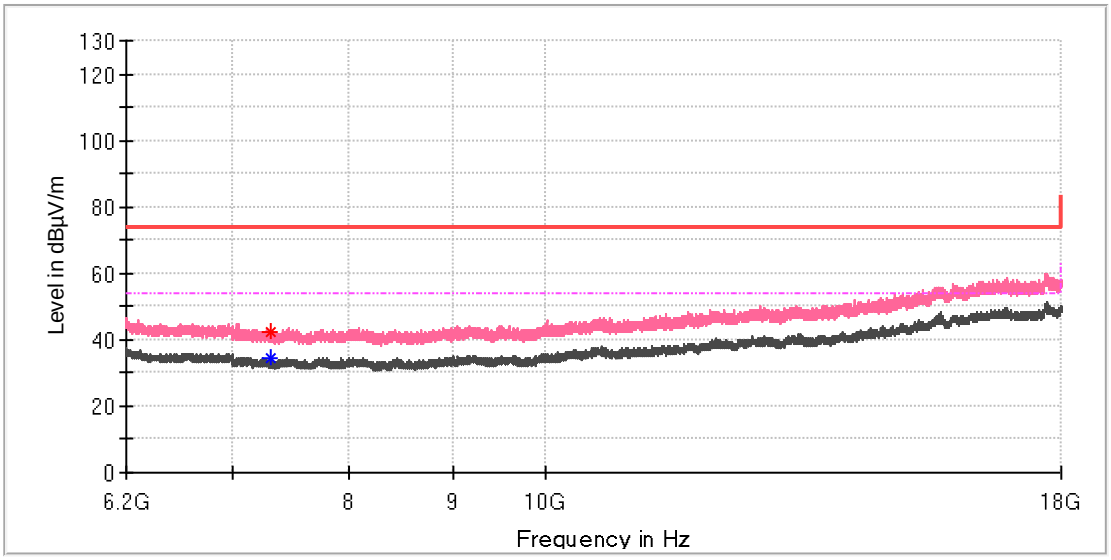
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

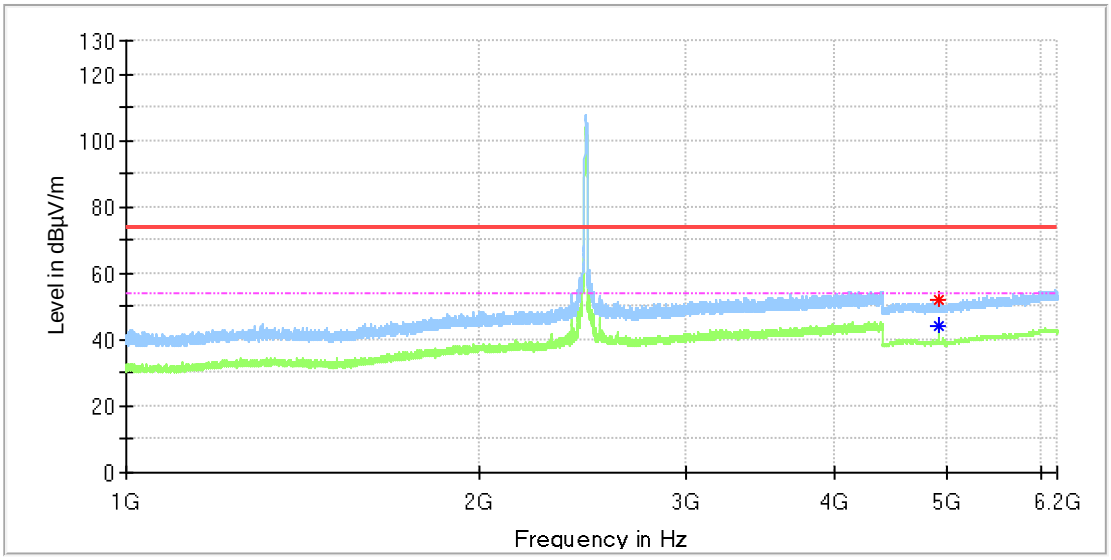
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7307.725000	---	34.64	54.00	19.36	100.0	V	26.0	8.3
7310.183333	42.54	---	74.00	31.46	100.0	V	101.0	8.2

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

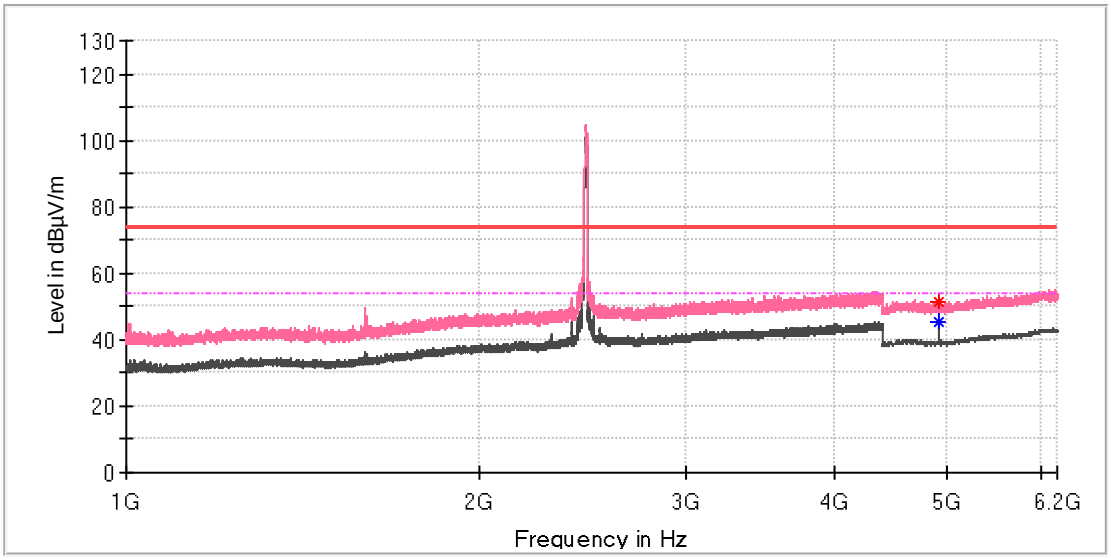
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	52.02	---	74.00	21.98	100.0	H	310.0	11.8
4924.000000	---	44.20	54.00	9.80	100.0	H	310.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

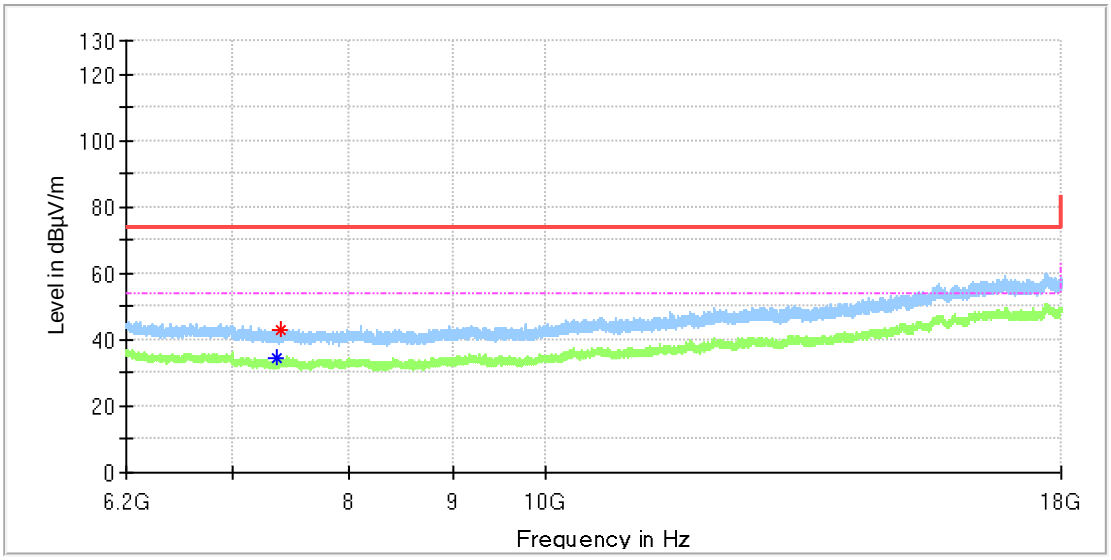
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	51.58	---	74.00	22.42	100.0	V	291.0	11.8
4924.000000	---	45.46	54.00	8.54	100.0	V	291.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

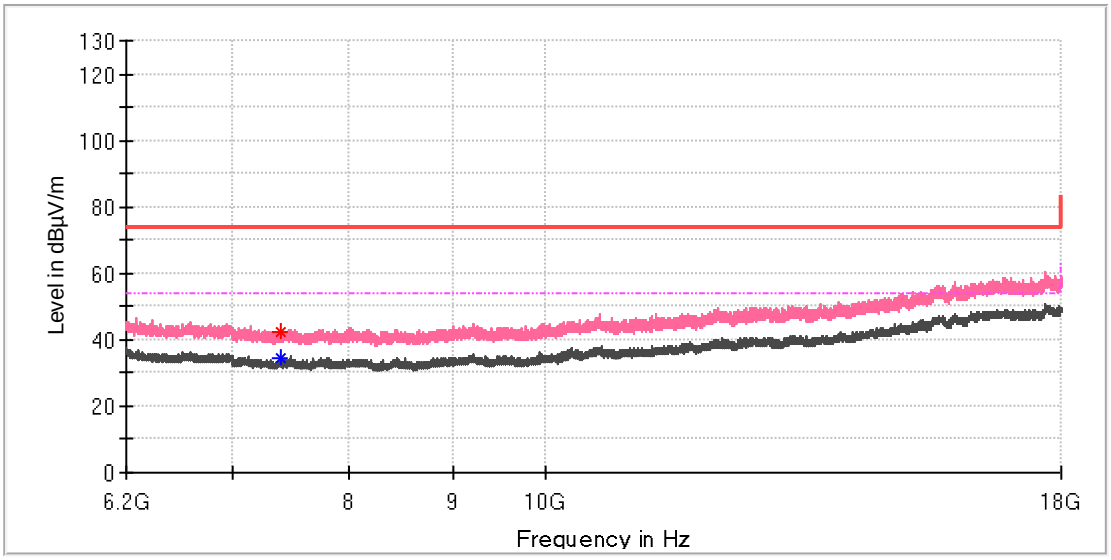
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7366.725000	---	34.20	54.00	19.80	100.0	H	102.0	8.2
7390.325000	43.18	---	74.00	30.82	100.0	H	78.0	8.2

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

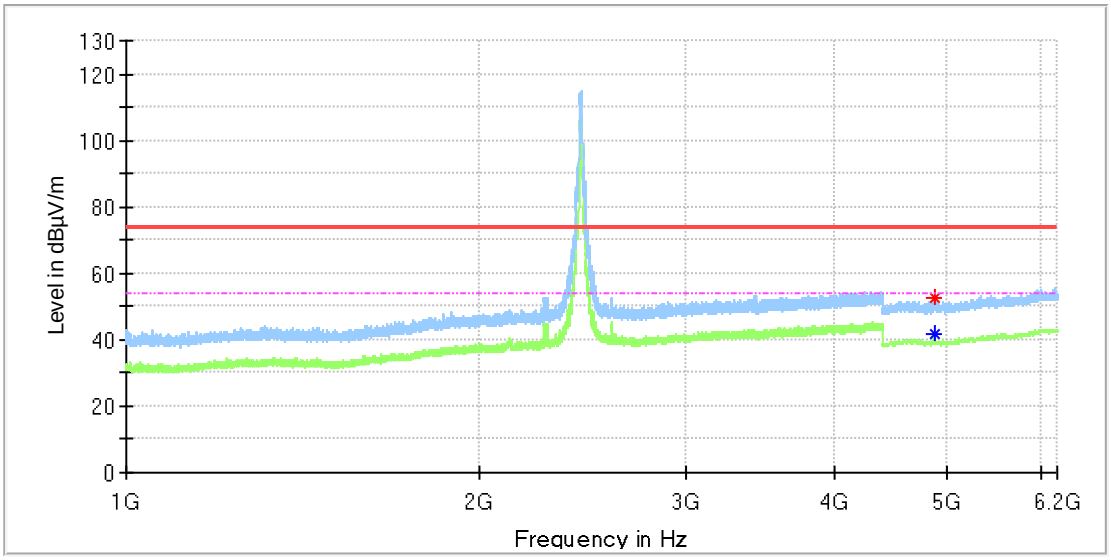
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7392.783333	42.19	---	74.00	31.81	100.0	V	357.0	8.3
7399.175000	---	34.26	54.00	19.74	100.0	V	100.0	8.3

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

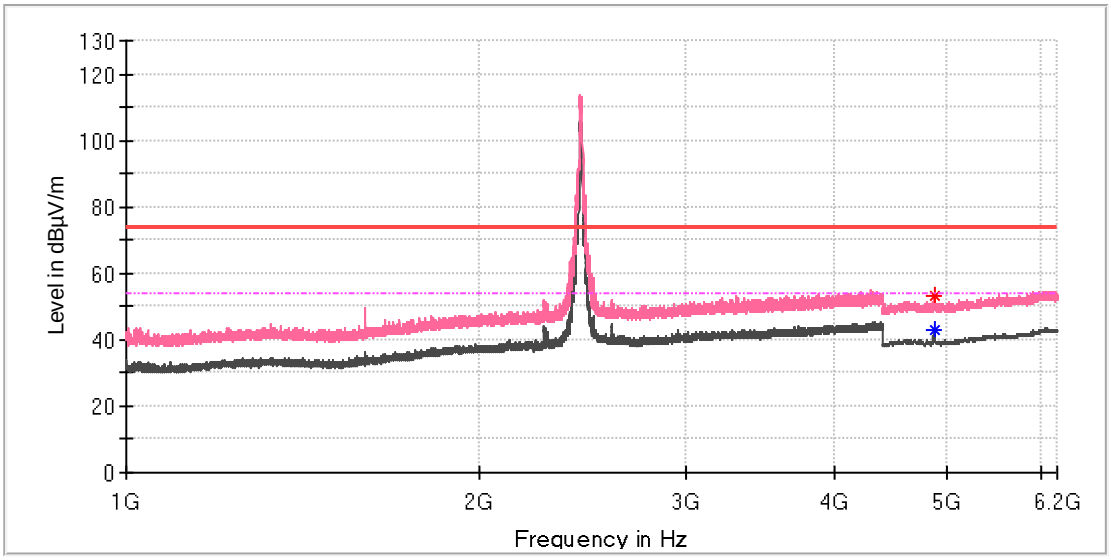
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.500000	---	41.91	54.00	12.09	100.0	H	255.0	11.8
4872.500000	52.75	---	74.00	21.25	100.0	H	111.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

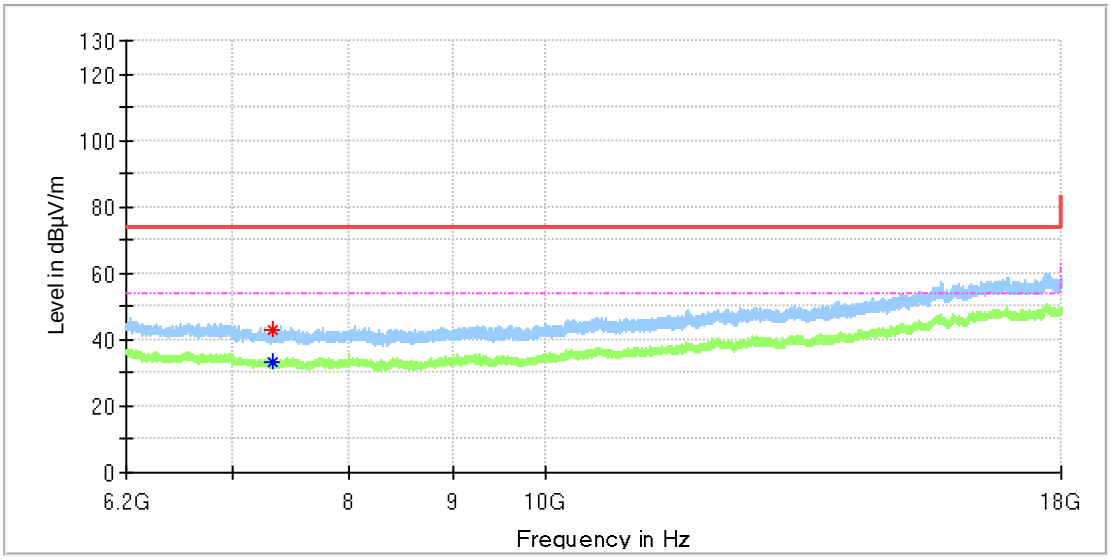
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4871.500000	53.01	---	74.00	20.99	100.0	V	291.0	11.8
4873.500000	---	42.80	54.00	11.20	100.0	V	291.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

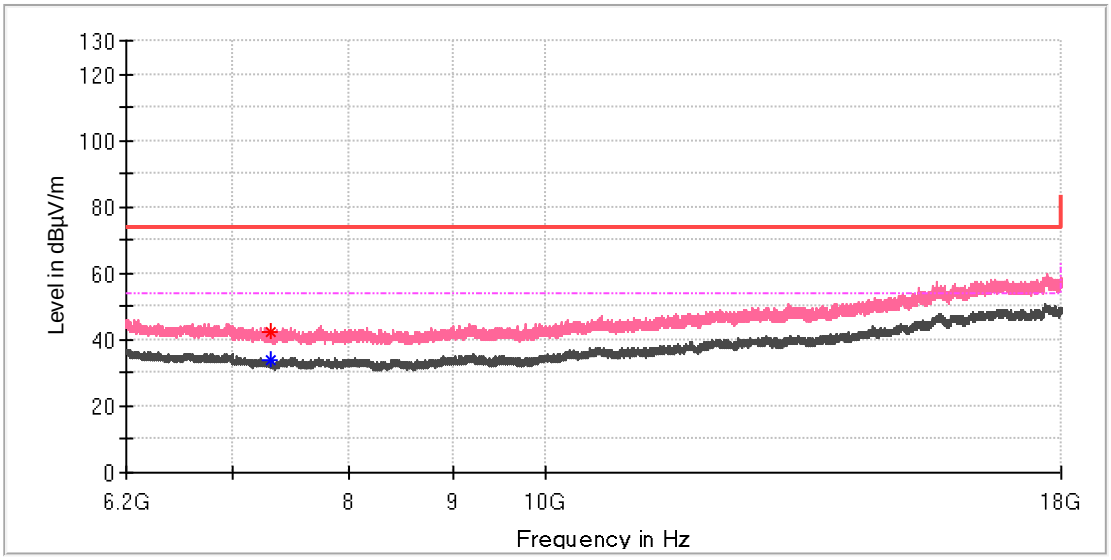
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	42.72	---	74.00	31.28	100.0	H	0.0	8.2
7325.425000	---	33.44	54.00	20.56	100.0	H	59.0	8.2

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

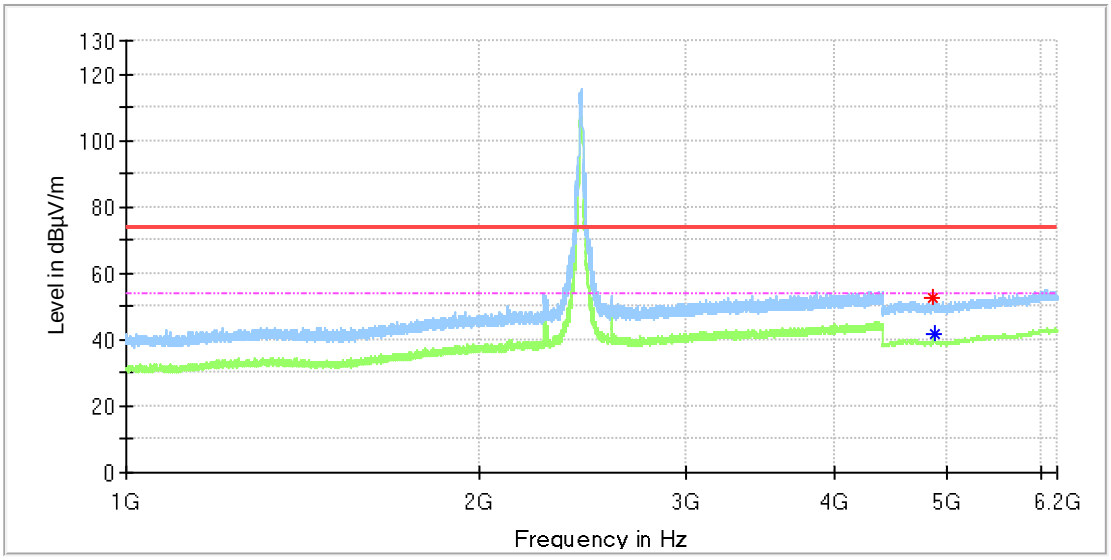
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7315.591667	42.56	---	74.00	31.44	100.0	V	312.0	8.2
7315.591667	---	33.56	54.00	20.44	100.0	V	312.0	8.2

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

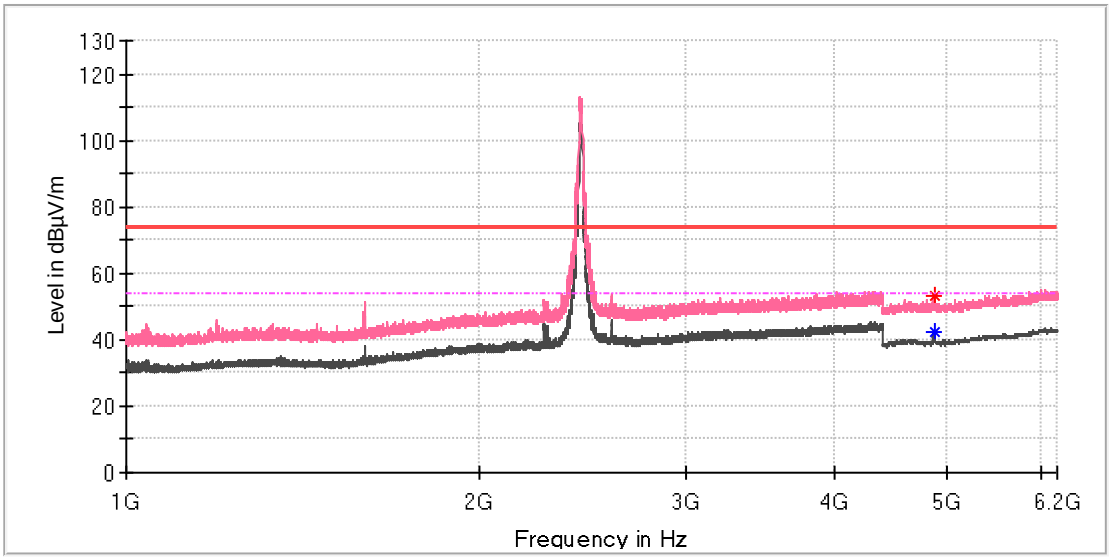
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4867.500000	52.46	---	74.00	21.54	100.0	H	308.0	11.8
4874.000000	---	41.83	54.00	12.17	100.0	H	316.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

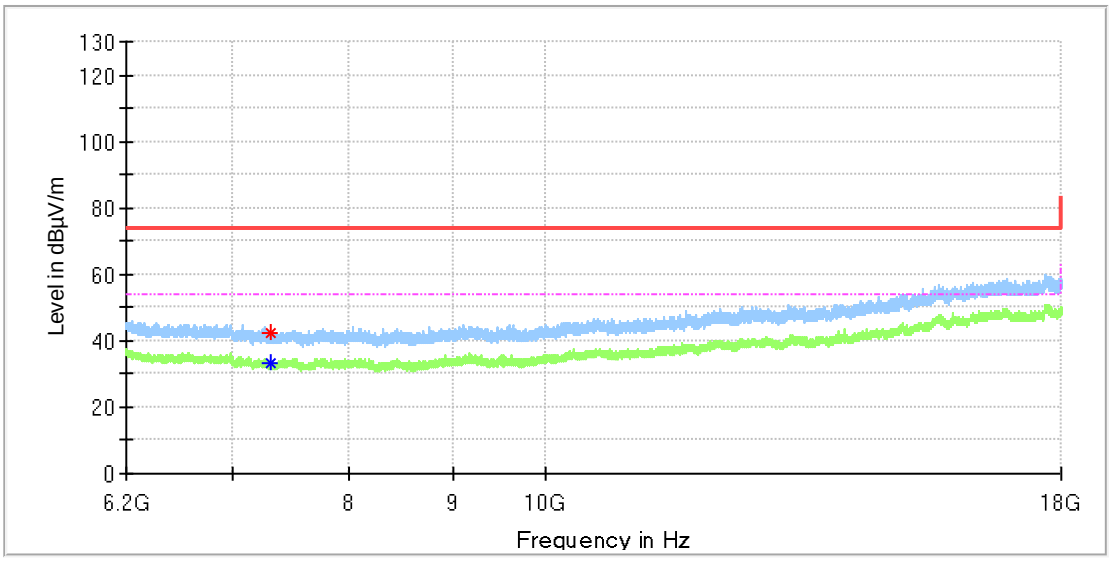
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.000000	52.92	---	74.00	21.08	100.0	V	292.0	11.8
4873.500000	---	42.49	54.00	11.51	100.0	V	299.0	11.8

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

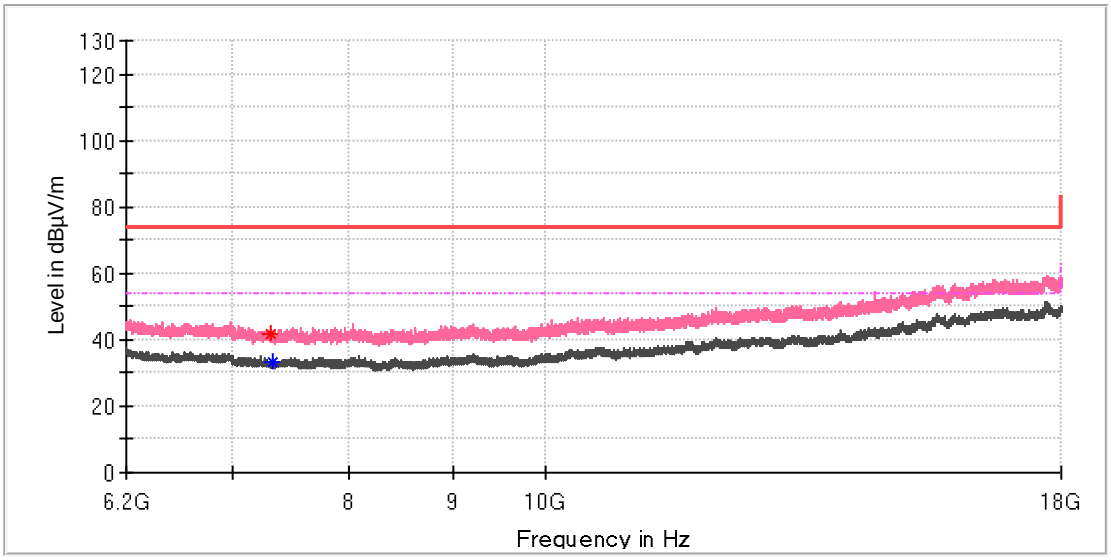
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7302.316667	42.54	---	74.00	31.46	100.0	H	233.0	8.3
7305.758333	---	33.15	54.00	20.85	100.0	H	175.0	8.3

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch6
Order No/Sample No:	168361509/A003218991-006
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	41.57	---	74.00	32.43	100.0	V	294.0	8.2
7323.458333	---	33.34	54.00	20.66	100.0	V	185.0	8.2

Final_Result

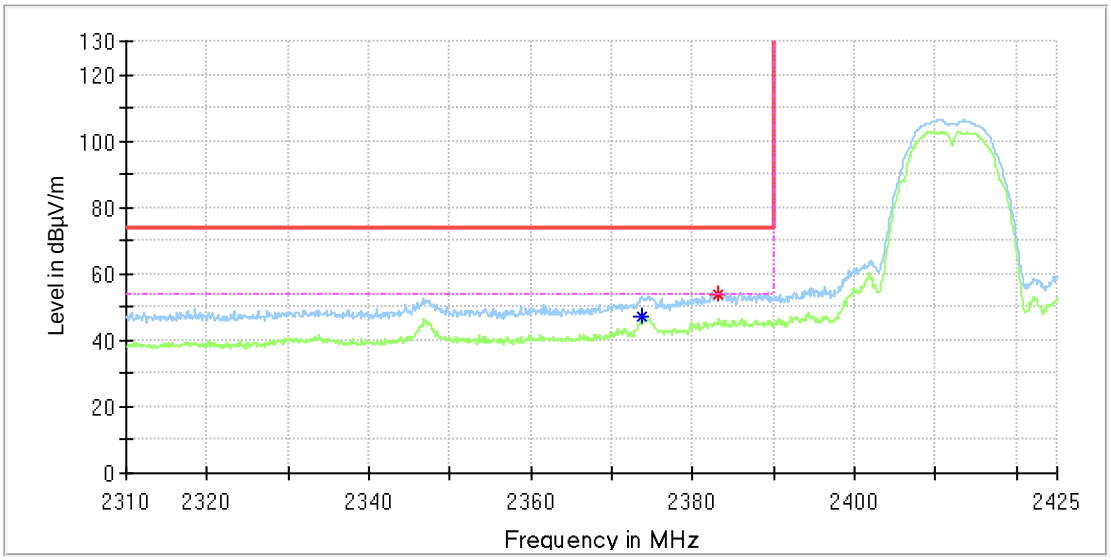
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

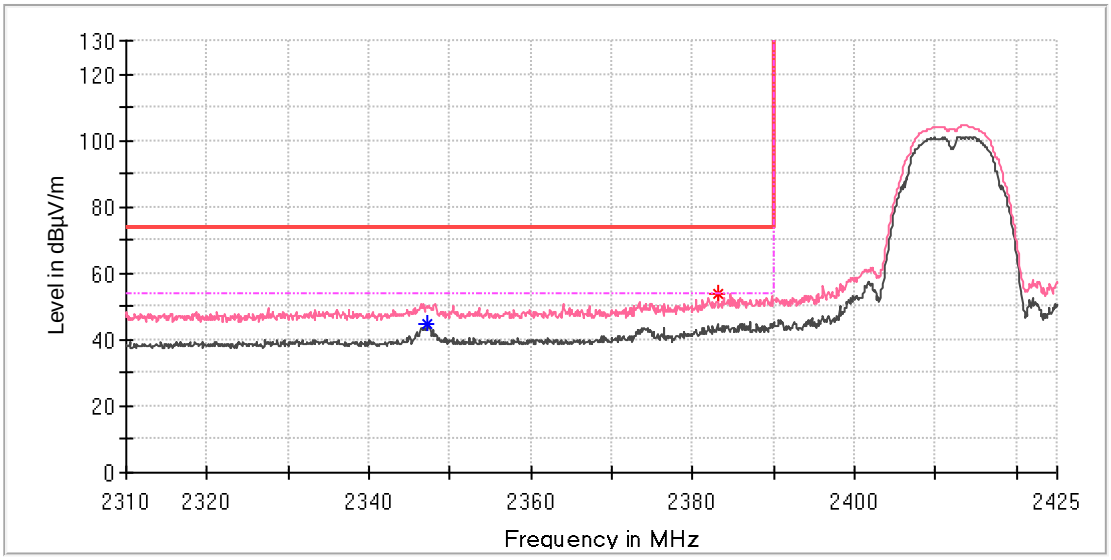
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2373.800000	---	47.42	54.00	6.58	100.0	H	46.0	6.9
2383.100000	54.11	---	74.00	19.89	100.0	H	46.0	7.0

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

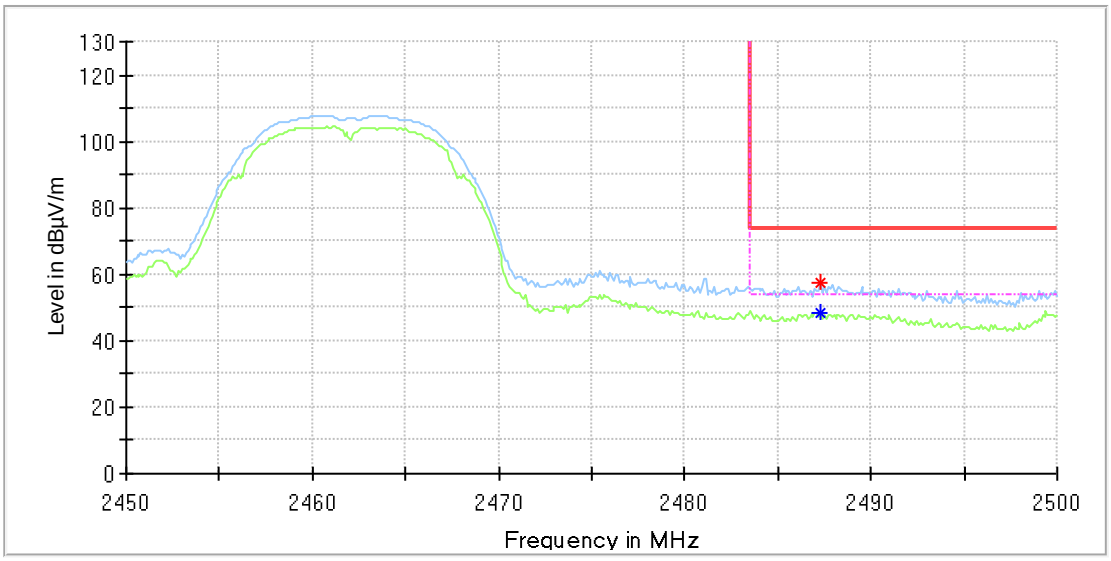
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2347.300000	---	44.44	54.00	9.56	100.0	V	118.0	6.9
2383.100000	53.53	---	74.00	20.47	100.0	V	183.0	7.0

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

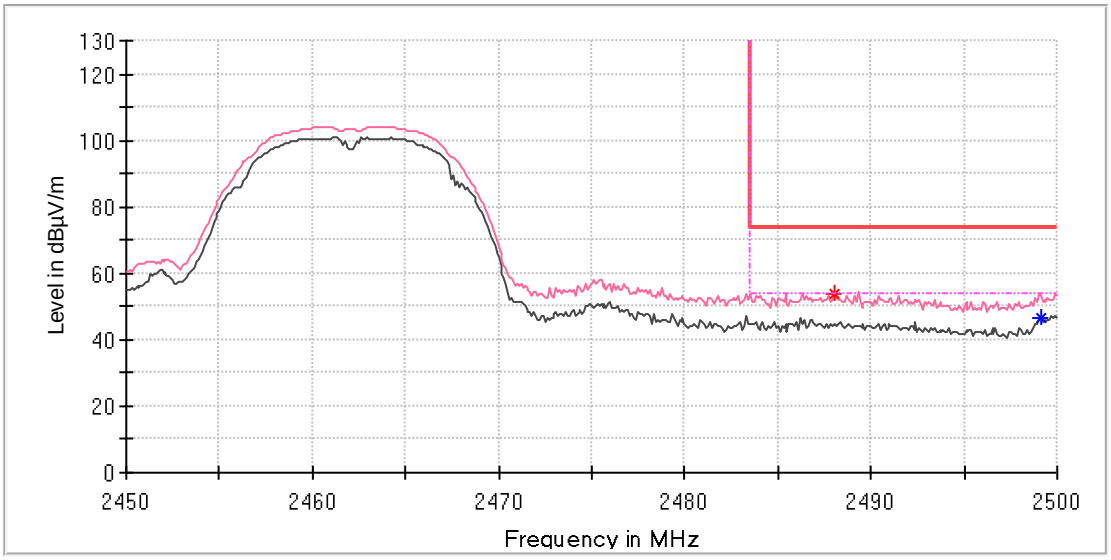
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.300000	---	48.67	54.00	5.33	100.0	H	287.0	7.4
2487.300000	57.56	---	74.00	16.44	100.0	H	287.0	7.4

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:	Q380RR
Test Mode:	WiFi 2.4G_11b_Ch11
Order No/Sample No:	168361509/A003218991-006
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)
2488.000000	53.84	---	74.00	20.16	100.0	V	193.0	7.4
2499.100000	---	46.83	54.00	7.17	100.0	V	193.0	7.4

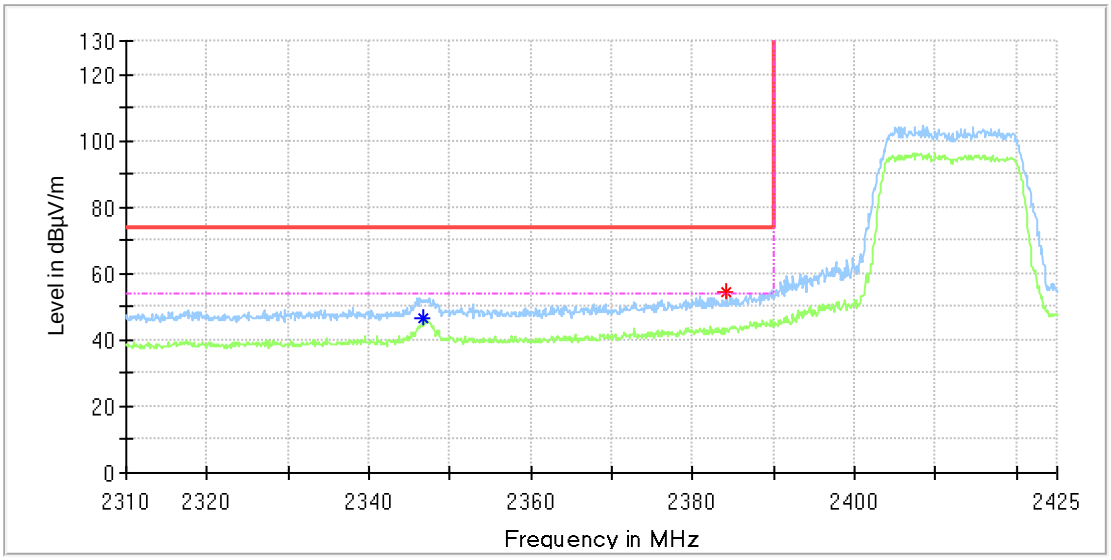
Final_Result

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

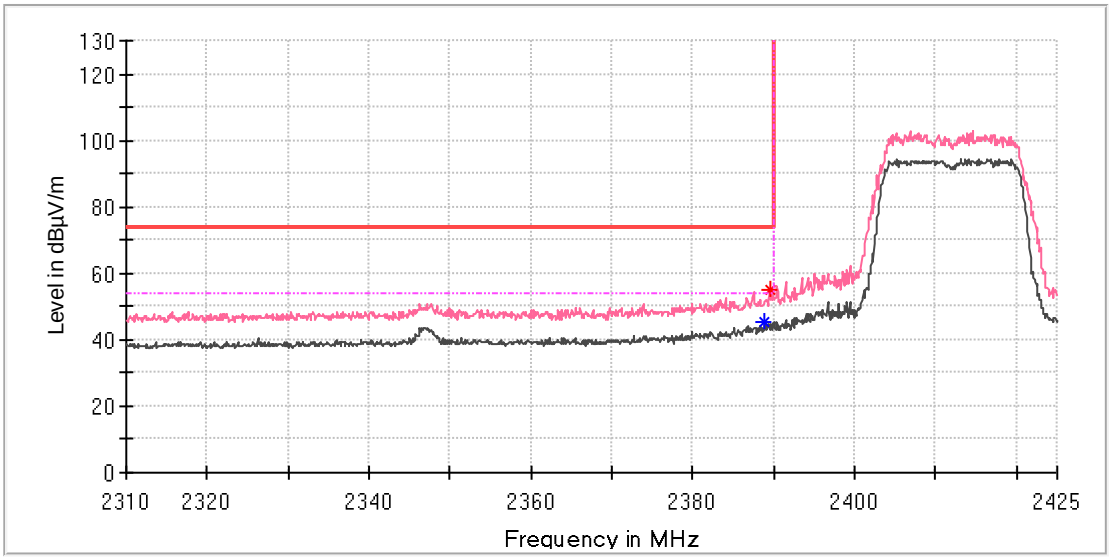
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2346.800000	---	46.52	54.00	7.48	100.0	H	102.0	6.9
2384.200000	54.28	---	74.00	19.72	100.0	H	40.0	7.0

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

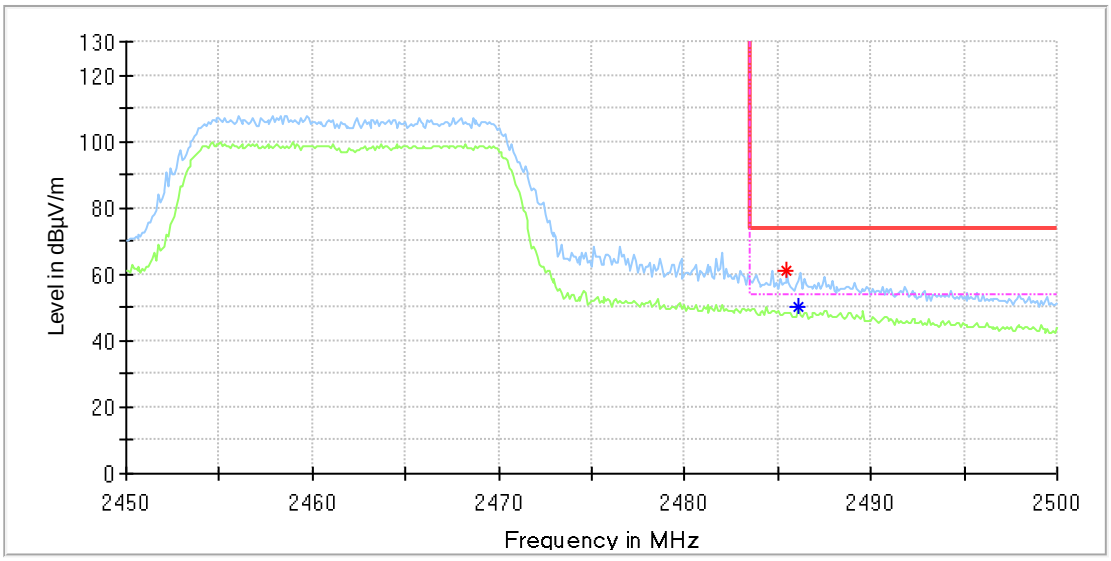
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.900000	---	45.54	54.00	8.46	100.0	V	123.0	7.0
2389.500000	55.13	---	74.00	18.87	100.0	V	190.0	7.0

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

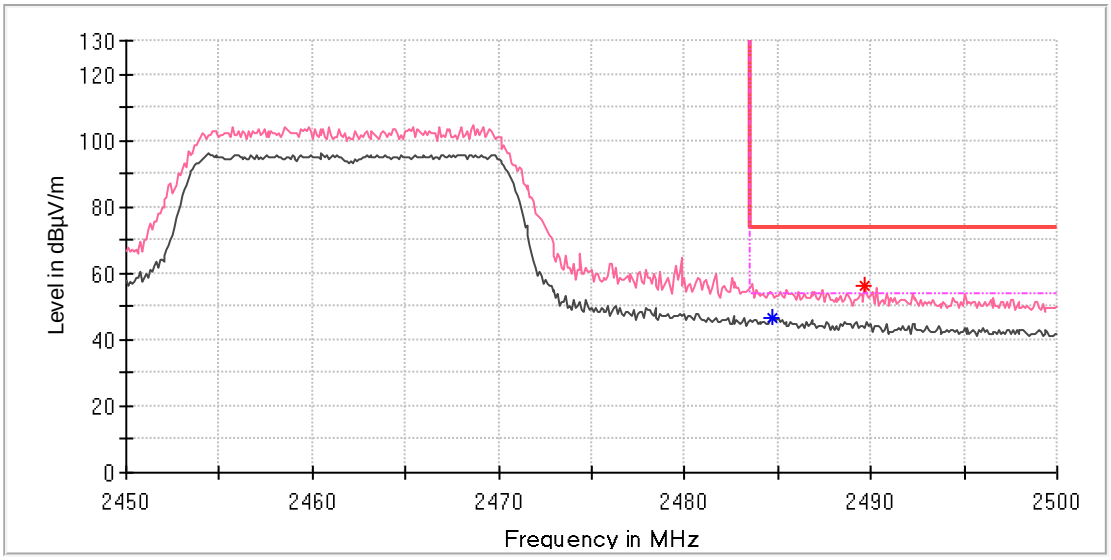
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.500000	61.06	---	74.00	12.94	100.0	H	41.0	7.4
2486.100000	---	50.33	54.00	3.67	100.0	H	285.0	7.4

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:	Q380RR
Test Mode:	WiFi 2.4G_11g_Ch11
Order No/Sample No:	168361509/A003218991-006
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	---	46.64	54.00	7.36	100.0	V	188.0	7.4
2489.700000	56.48	---	74.00	17.52	100.0	V	179.0	7.4

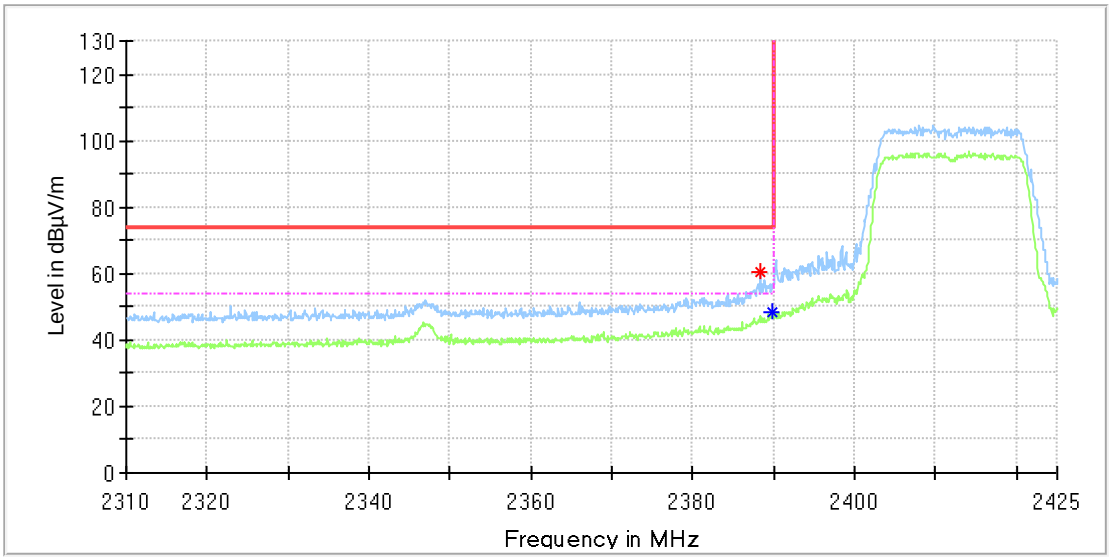
Final_Result

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch1
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

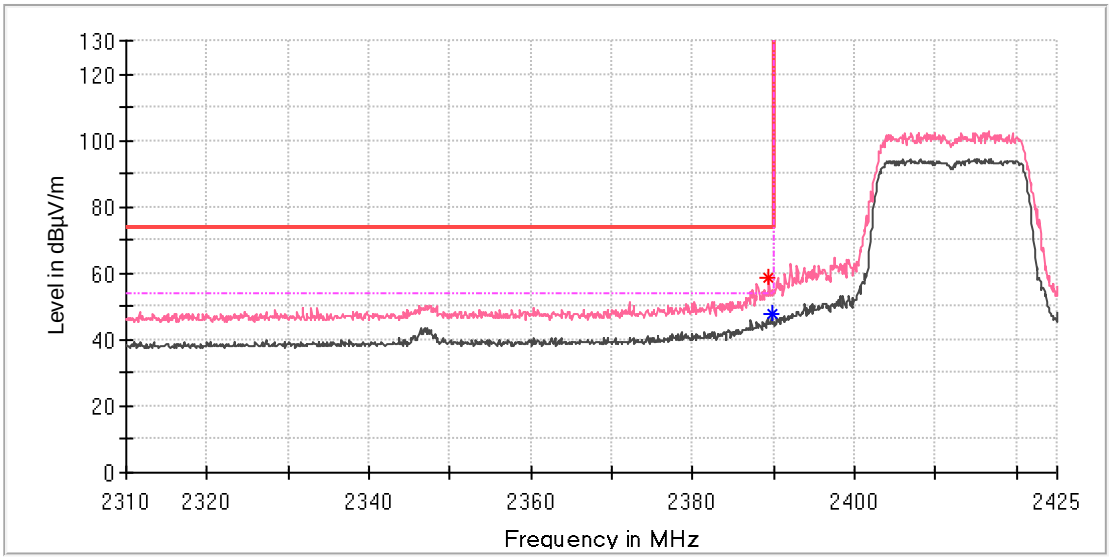
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.300000	60.49	---	74.00	13.51	100.0	H	102.0	7.0
2389.900000	---	48.33	54.00	5.67	100.0	H	45.0	7.0

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch1
Order No/Sample No:	168361509/A003218991-006
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)
2389.400000	58.48	---	74.00	15.52	100.0	V	116.0	7.0
2389.700000	---	47.56	54.00	6.44	100.0	V	186.0	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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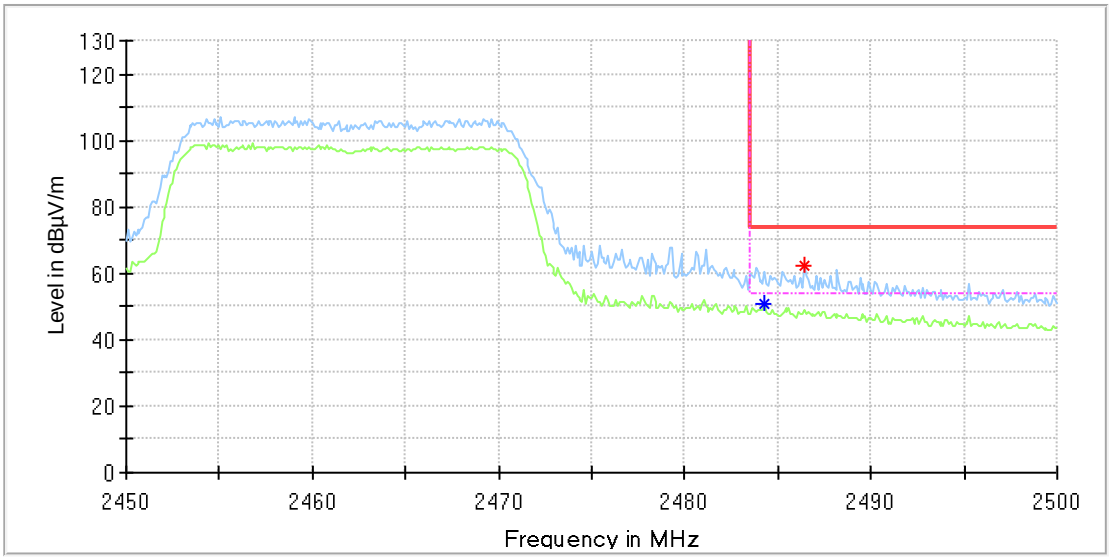
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch11
Order No/Sample No:	168361509/A003218991-006
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

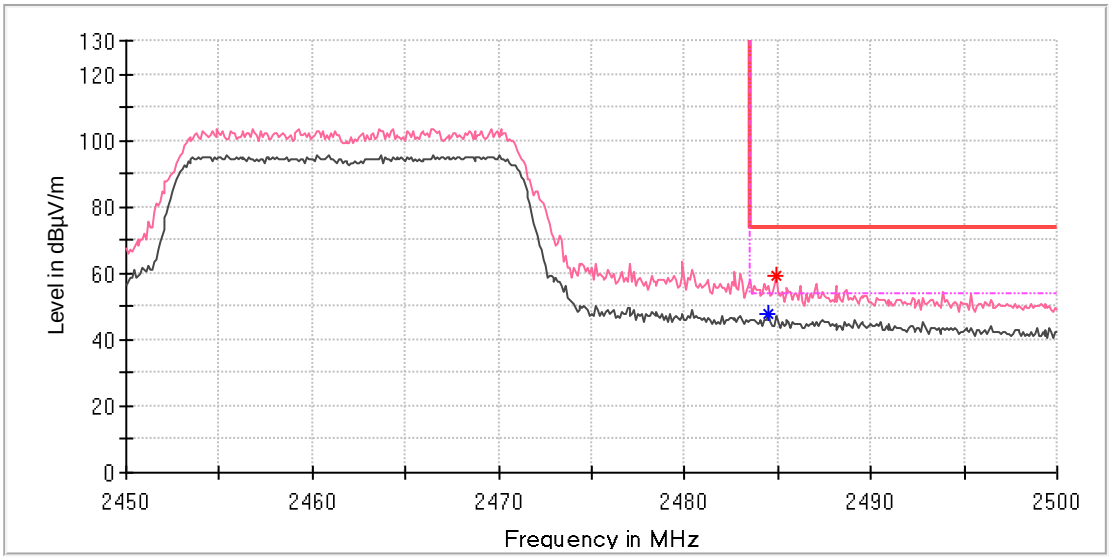
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.300000	---	50.59	54.00	3.41	100.0	H	289.0	7.4
2486.400000	62.31	---	74.00	11.69	100.0	H	26.0	7.4

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:	Q380RR
Test Mode:	WiFi 2.4G_11n20_Ch11
Order No/Sample No:	168361509/A003218991-006
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)
2484.500000	---	47.69	54.00	6.31	100.0	V	193.0	7.4
2484.900000	59.19	---	74.00	14.81	100.0	V	193.0	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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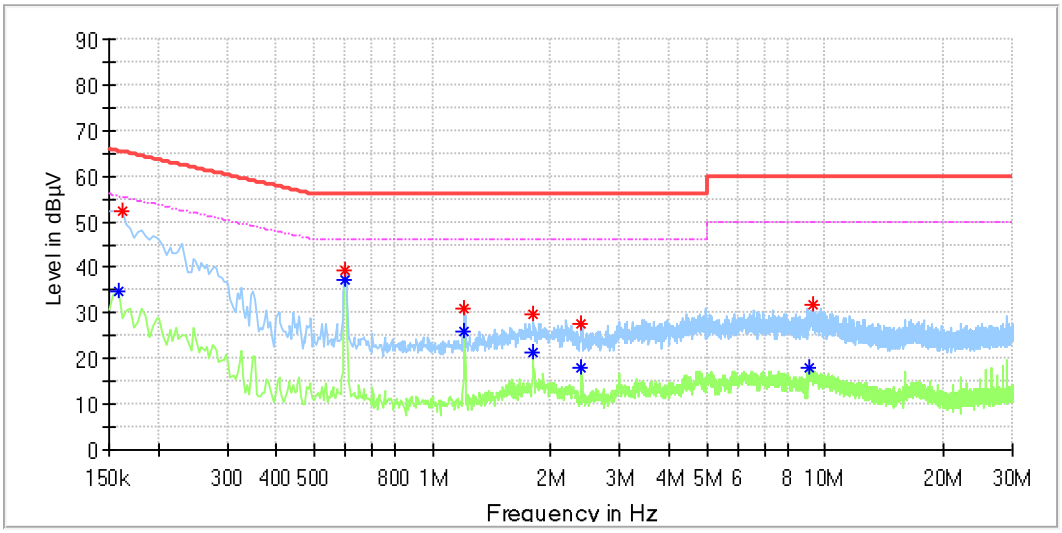
Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Order No:	168361509
Model:	Q380RR
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

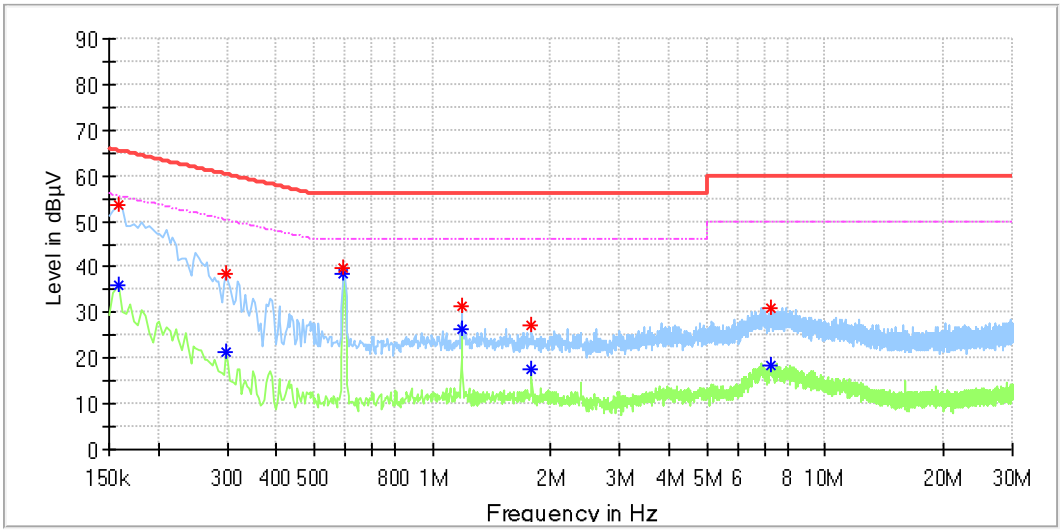
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	---	34.93	55.57	20.63	L1	9.9
0.162000	52.35	---	65.36	13.01	L1	9.9
0.598000	39.17	---	56.00	16.83	L1	10.0
0.598000	---	37.17	46.00	8.83	L1	10.0
1.202000	---	26.12	46.00	19.88	L1	10.1
1.202000	31.10	---	56.00	24.90	L1	10.1
1.806000	---	21.21	46.00	24.79	L1	10.1
1.806000	29.85	---	56.00	26.15	L1	10.1
2.398000	---	18.04	46.00	27.96	L1	10.2
2.398000	27.72	---	56.00	28.28	L1	10.2
9.114000	---	17.99	50.00	32.01	L1	10.3
9.270000	31.78	---	60.00	28.22	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:	168361509
Model:	Q380RR
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	---	35.89	55.57	19.68	N	9.8
0.158000	53.50	---	65.57	12.07	N	9.8
0.298000	38.41	---	60.30	21.89	N	9.8
0.298000	---	21.27	50.30	29.03	N	9.8
0.594000	---	38.34	46.00	7.66	N	9.8
0.594000	39.80	---	56.00	16.20	N	9.8
1.186000	31.39	---	56.00	24.61	N	9.8
1.186000	---	26.47	46.00	19.53	N	9.8
1.782000	27.25	---	56.00	28.75	N	9.8
1.786000	---	17.73	46.00	28.27	N	9.8
7.270000	31.09	---	60.00	28.91	N	10.0
7.310000	---	18.56	50.00	31.44	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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