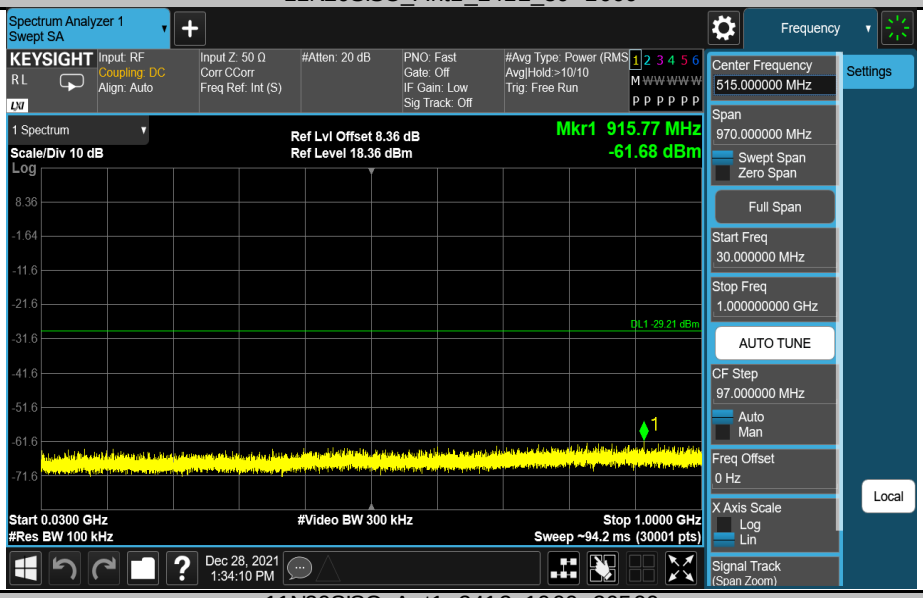
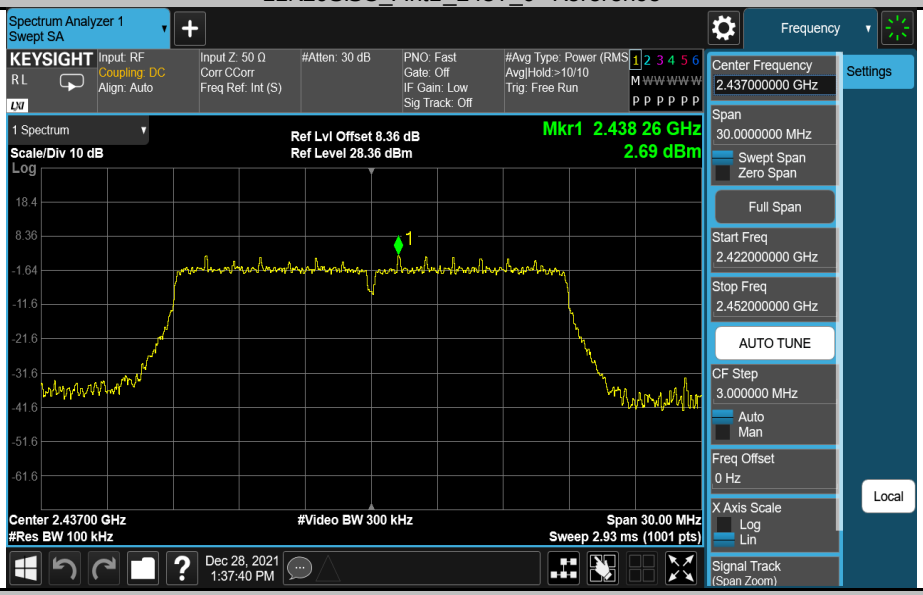
11N20SISO_Ant1_2412_0~Reference

11N20SISO_Ant1_2412_30~1000

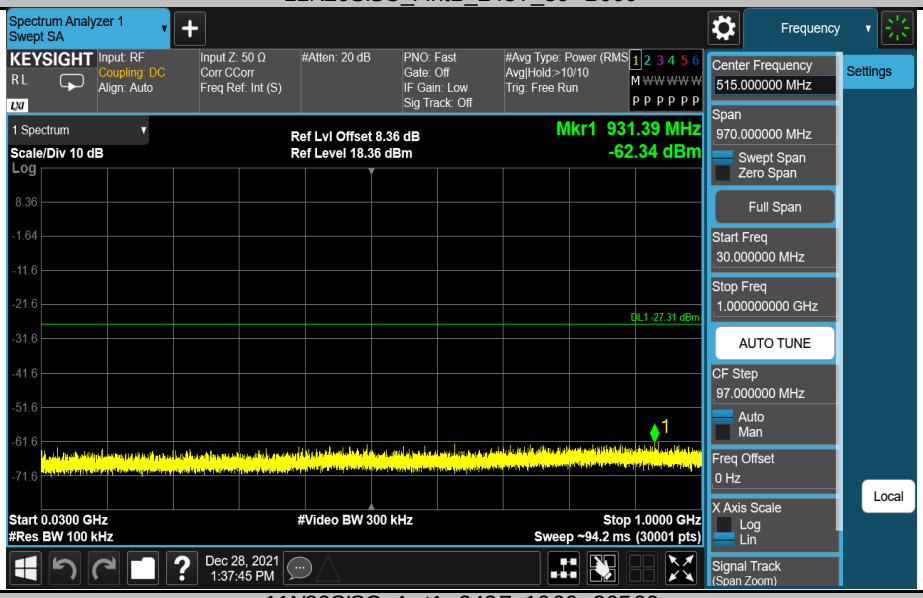


11N20SISO_Ant1_2412_1000~26500

11N20SISO_Ant1_2437_0~Reference

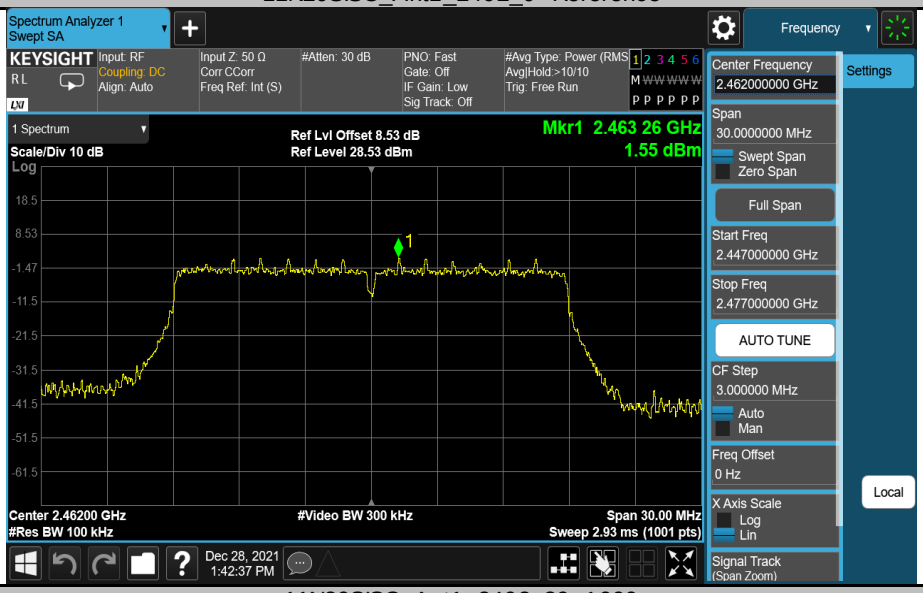


11N20SISO_Ant1_2437_30~1000

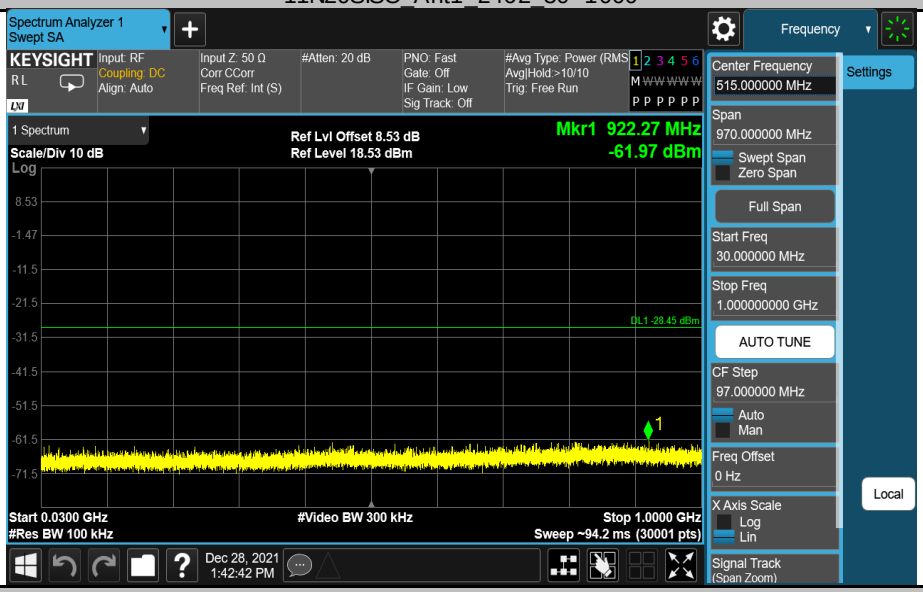


11N20SISO_Ant1_2437_1000~26500

11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000

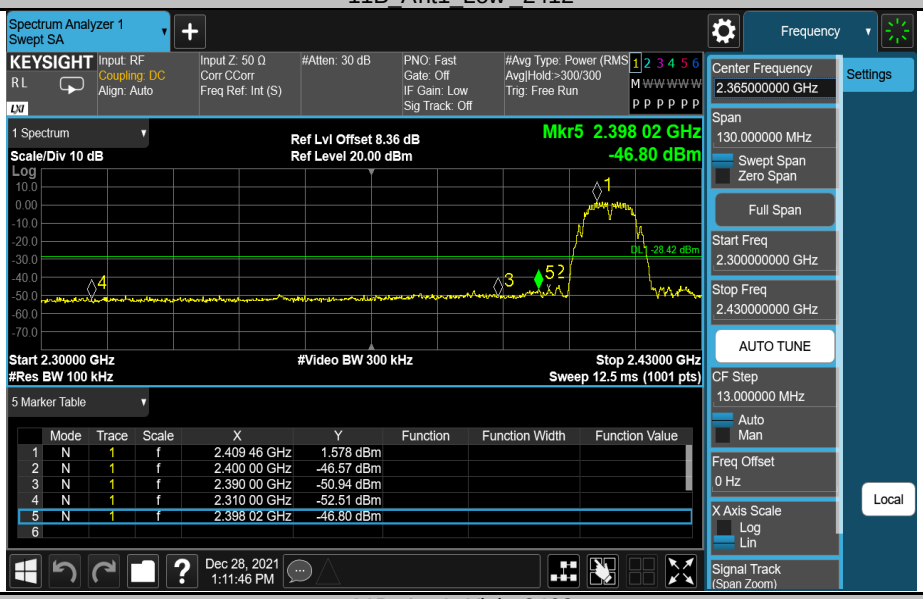


11N20SISO_Ant1_2462_1000~26500

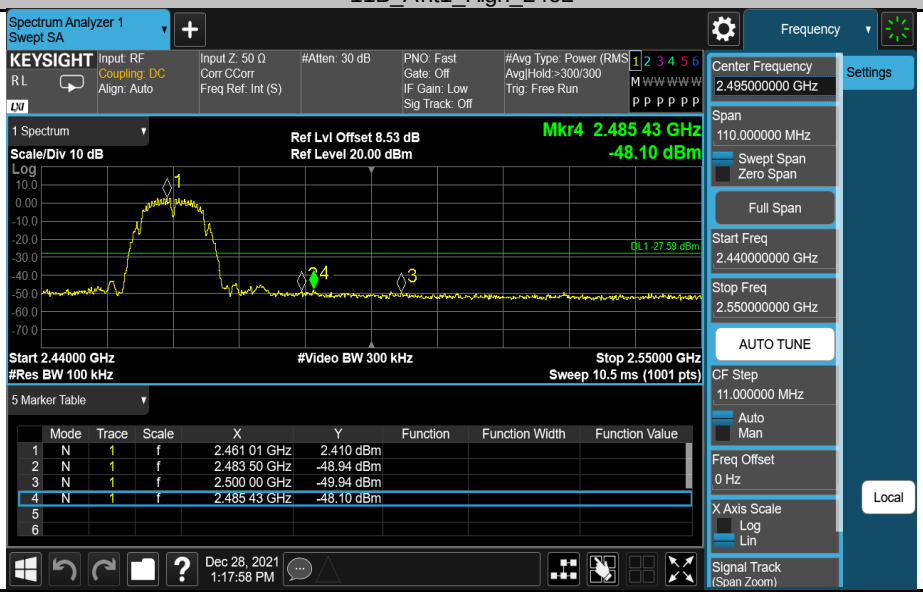
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.58	-46.8	≤-28.42	PASS
		High	2462	2.41	-48.11	≤-27.59	PASS
11G	Ant1	Low	2412	0.91	-36.8	≤-29.09	PASS
		High	2462	1.00	-47.33	≤-29	PASS
11N20SISO	Ant1	Low	2412	0.97	-38.61	≤-29.03	PASS
		High	2462	1.27	-44.49	≤-28.73	PASS

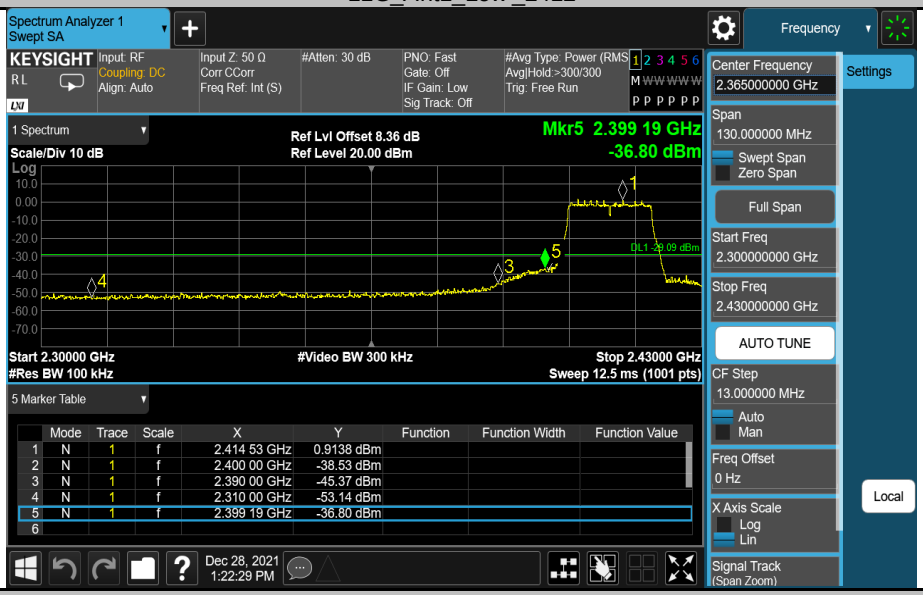
11B_Ant1_Low_2412



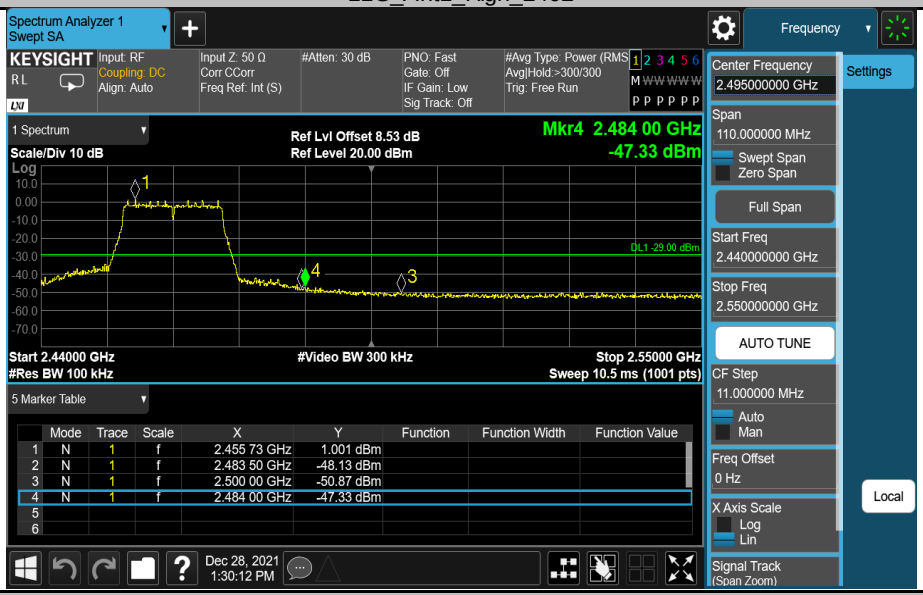
11B_Ant1_High_2462



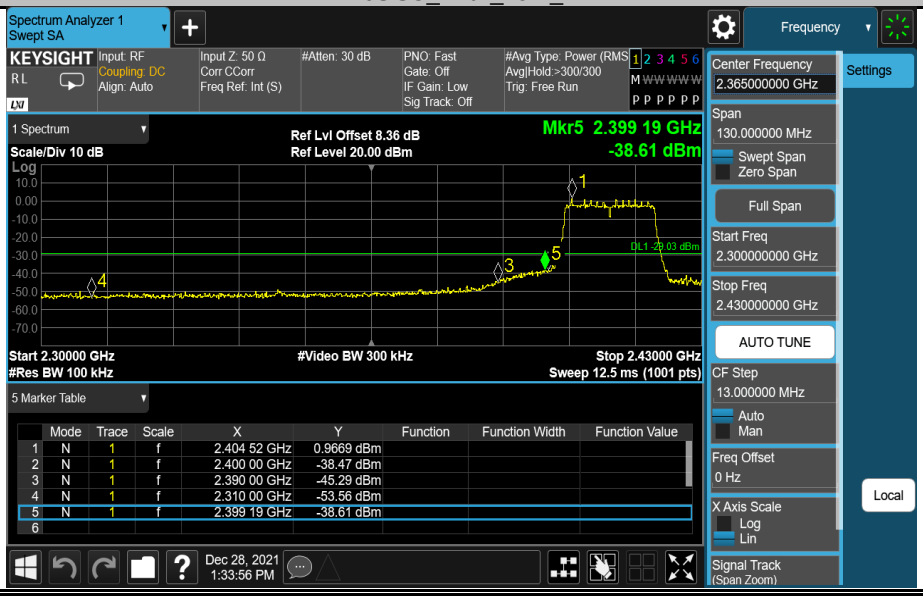
11G_Ant1_Low_2412



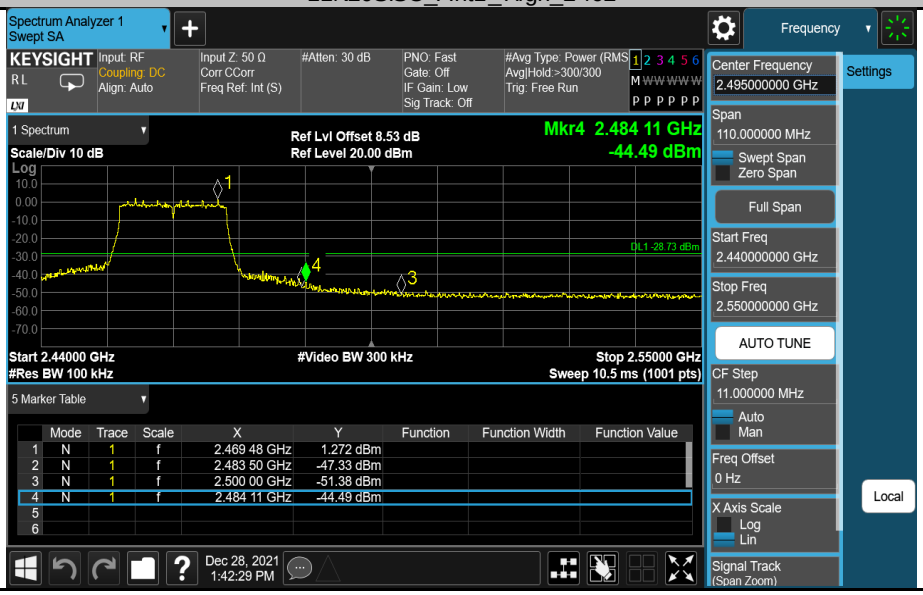
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



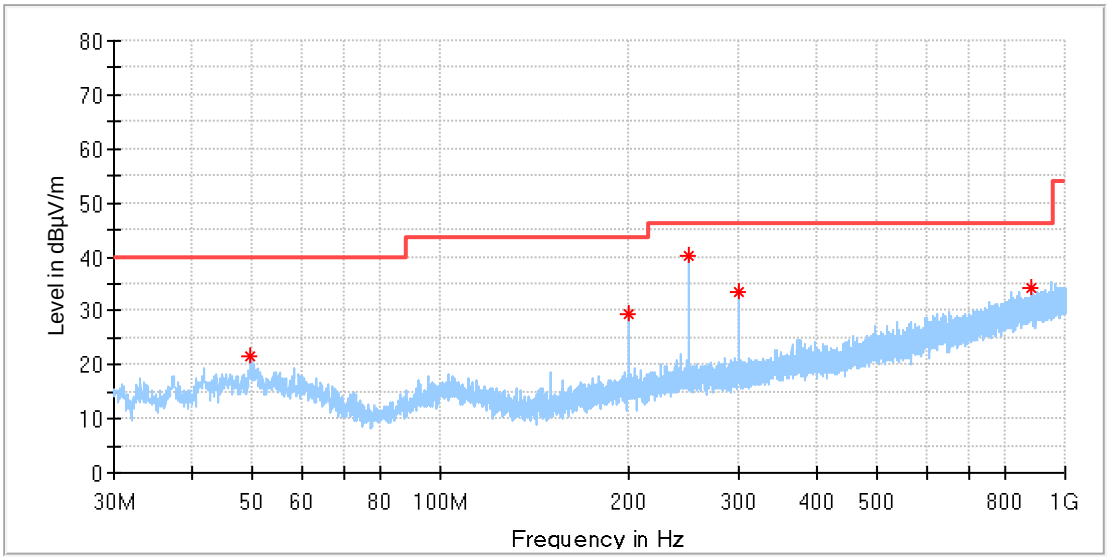
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

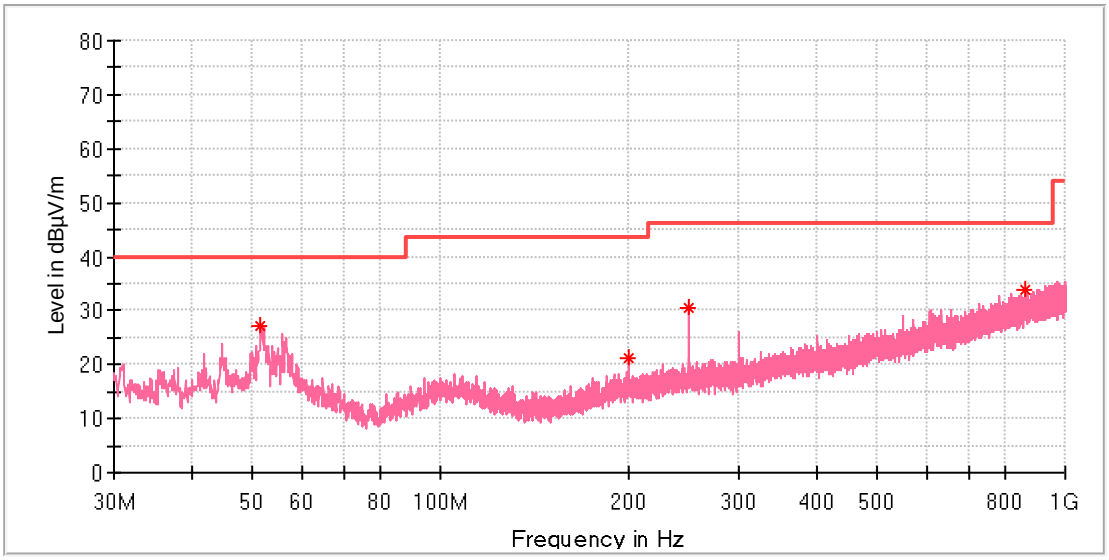
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.642500	21.61	40.00	18.39	100.0	H	179.0	-18.3
199.992500	29.42	43.50	14.08	100.0	H	359.0	-19.0
249.996000	40.23	46.00	5.77	100.0	H	246.0	-17.4
299.999500	33.44	46.00	12.56	100.0	H	238.0	-16.3
883.648500	34.42	46.00	11.58	100.0	H	162.0	-5.1

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

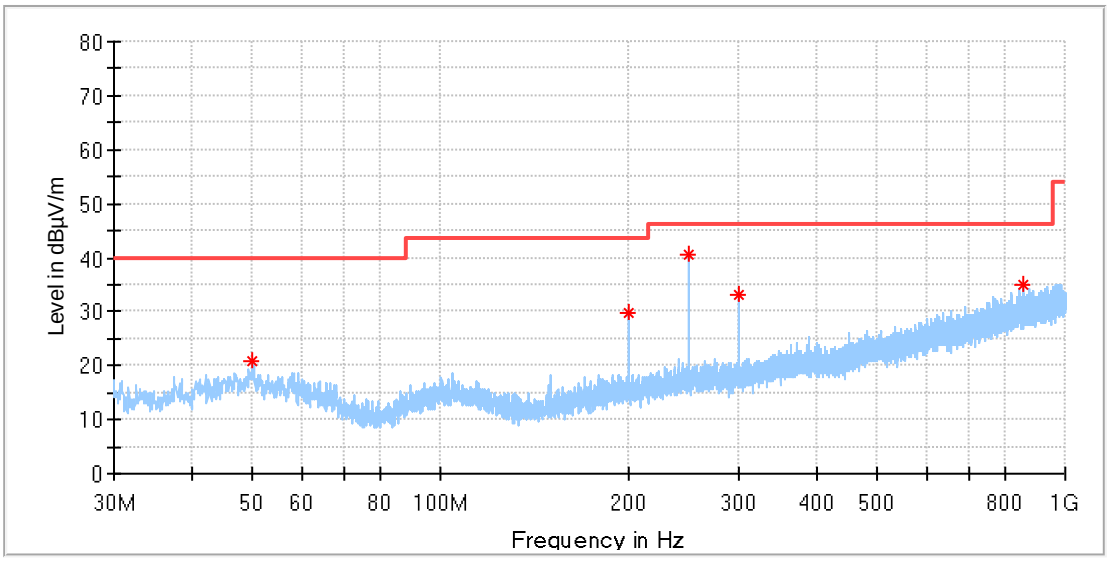
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.534000	27.27	40.00	12.73	100.0	V	34.0	-18.3
199.992500	21.15	43.50	22.35	100.0	V	173.0	-19.0
249.996000	30.58	46.00	15.42	100.0	V	0.0	-17.4
864.297000	34.01	46.00	11.99	100.0	V	152.0	-5.3

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:	Q380RR
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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	20.95	40.00	19.05	100.0	H	281.0	-18.3
199.992500	29.87	43.50	13.63	100.0	H	37.0	-19.0
249.996000	40.48	46.00	5.53	100.0	H	239.0	-17.4
299.999500	33.05	46.00	12.95	100.0	H	231.0	-16.3
859.253000	34.86	46.00	11.14	100.0	H	231.0	-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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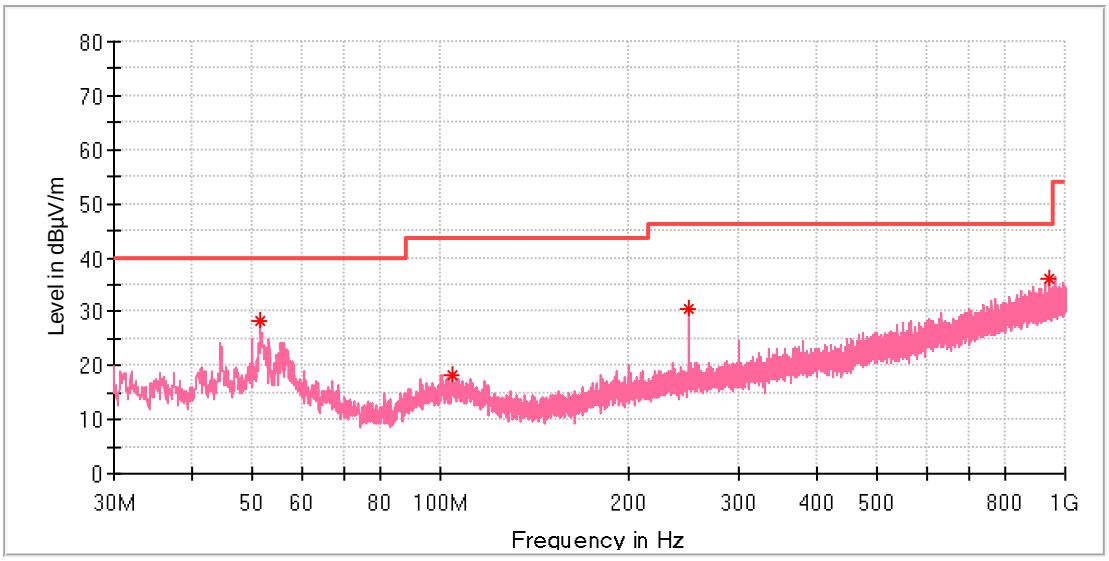
EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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)
51.485500	28.28	40.00	11.72	100.0	V	223.0	-18.3
104.108000	18.21	43.50	25.29	100.0	V	33.0	-18.8
249.996000	30.51	46.00	15.49	100.0	V	359.0	-17.4
939.811500	36.19	46.00	9.81	100.0	V	145.0	-4.5

Final_Result

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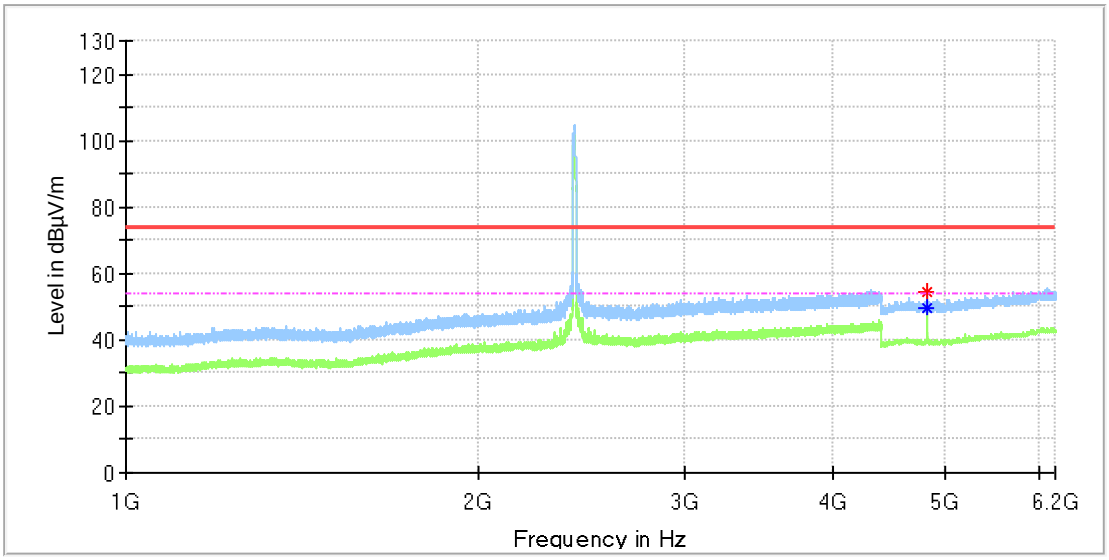
1GHz - 18GHz

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

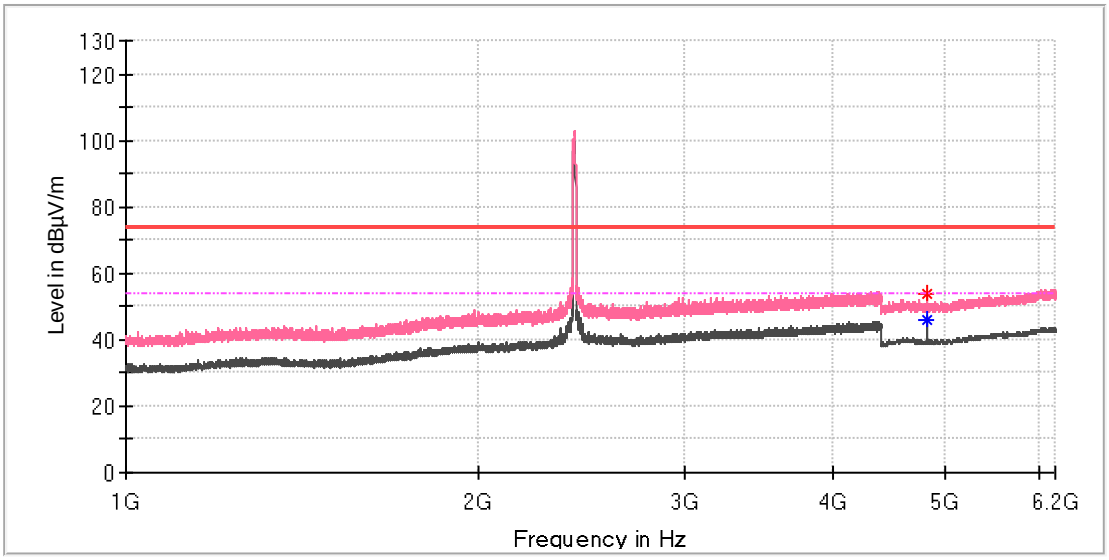
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	---	48.97	54.00	5.03	100.0	H	47.0	11.8
4824.000000	54.29	---	74.00	19.71	100.0	H	47.0	11.8

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

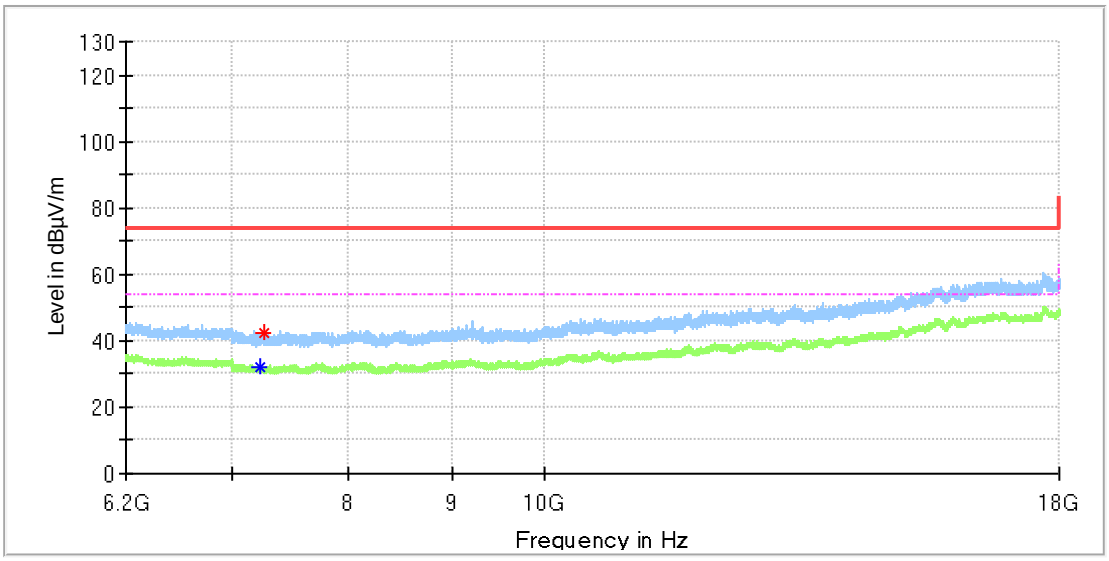
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	---	46.16	54.00	7.84	100.0	V	262.0	11.8
4824.000000	53.62	---	74.00	20.38	100.0	V	262.0	11.8

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

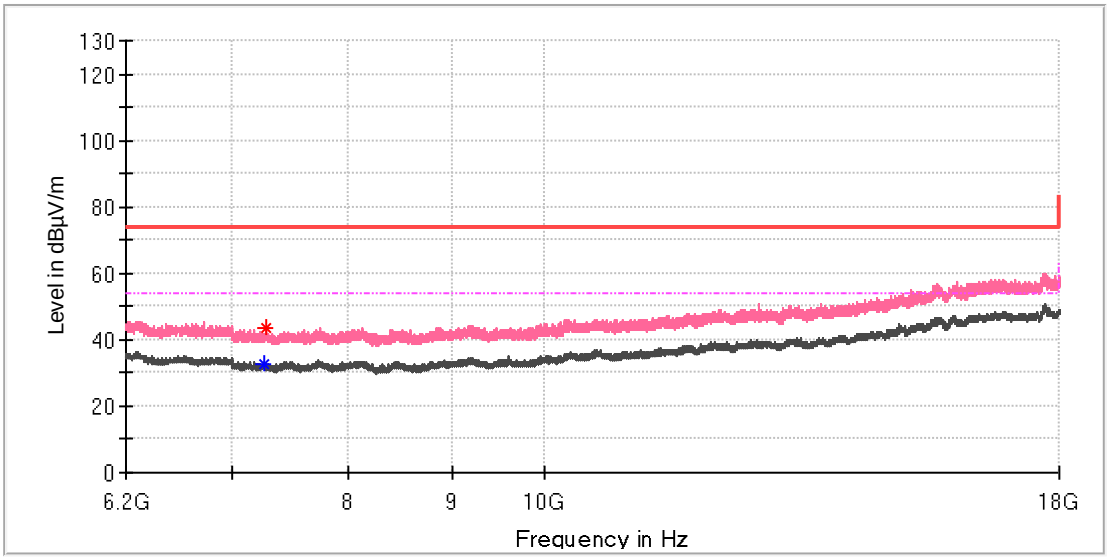
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7226.108333	---	32.27	54.00	21.73	100.0	H	15.0	8.7
7252.658333	42.53	---	74.00	31.47	100.0	H	96.0	8.5

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:	Q380RR
Test Mode:	WIFI 2.4G_11b_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

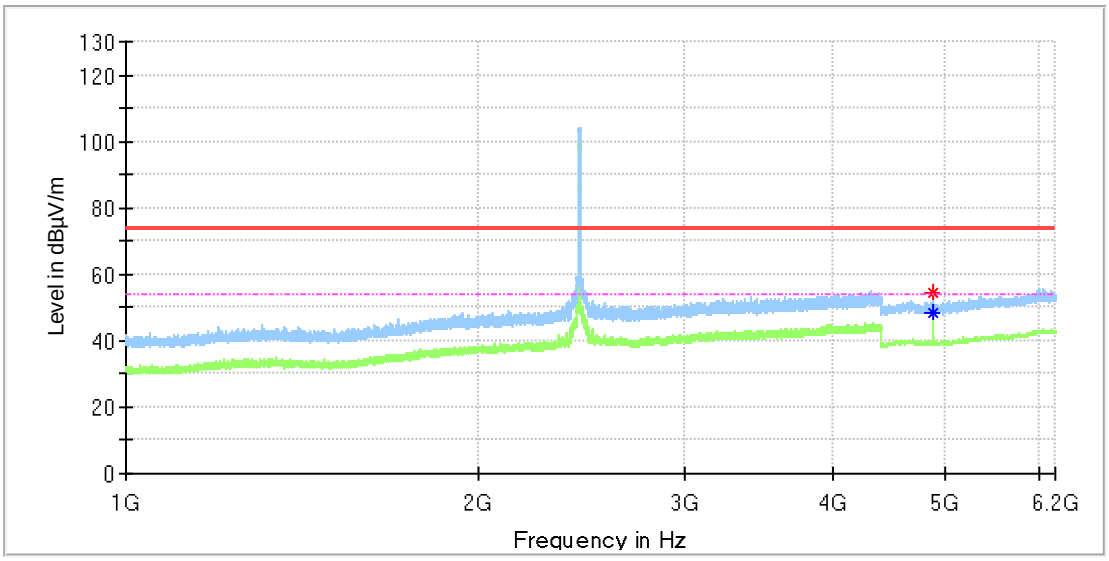
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7254.625000	---	32.50	54.00	21.50	100.0	V	48.0	8.5
7268.883333	43.30	---	74.00	30.70	100.0	V	237.0	8.5

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:	Q380RR
Test Mode:	WIFI 2.4G_11b_Mid channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

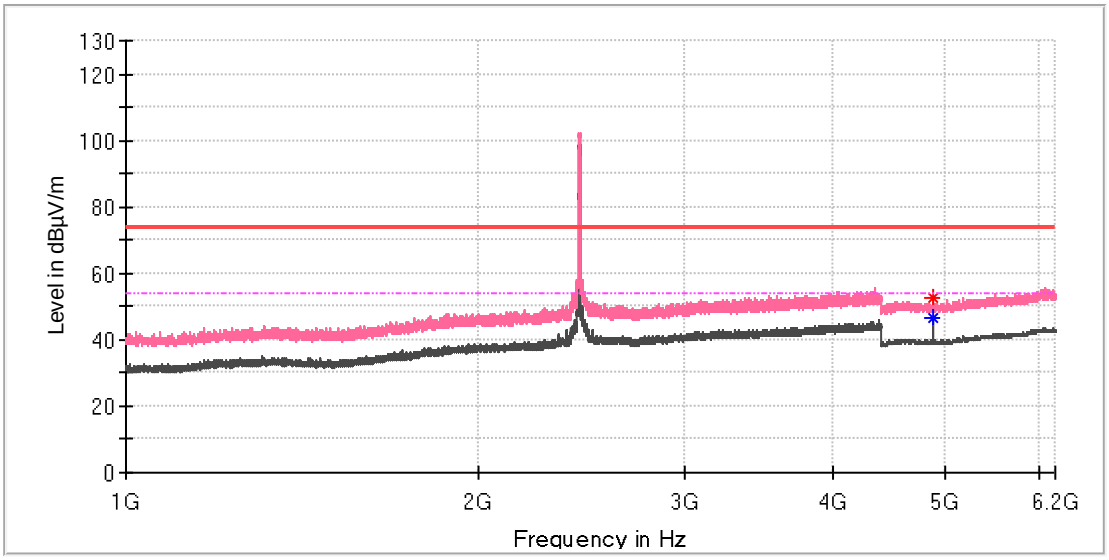
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	---	48.12	54.00	5.88	100.0	H	85.0	11.8
4874.000000	54.60	---	74.00	19.40	100.0	H	85.0	11.8

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_Mid channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

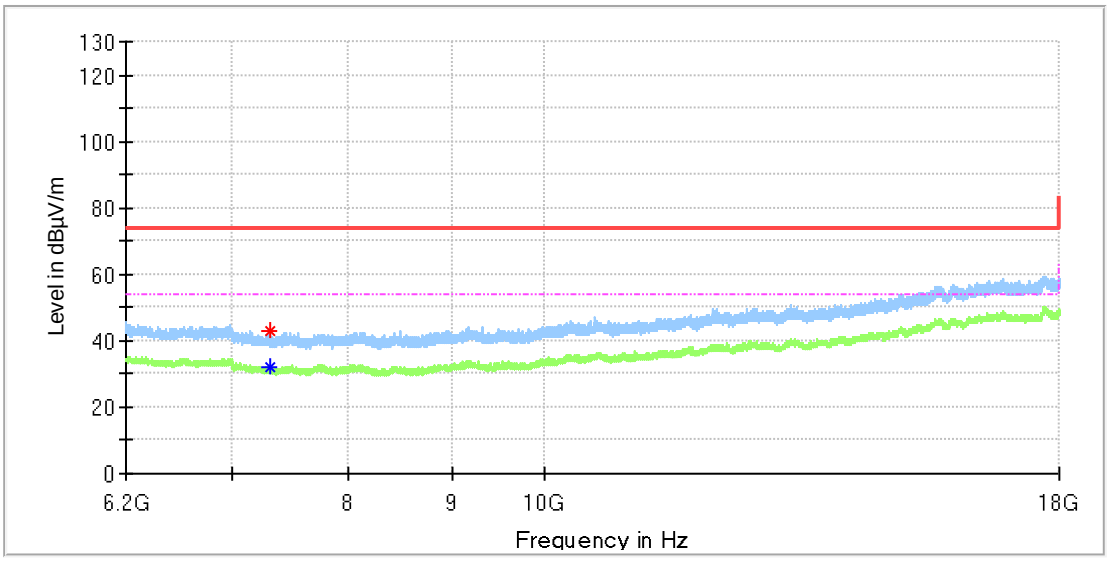
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	52.39	---	74.00	21.61	100.0	V	277.0	11.8
4874.000000	---	46.41	54.00	7.59	100.0	V	277.0	11.8

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_Mid channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

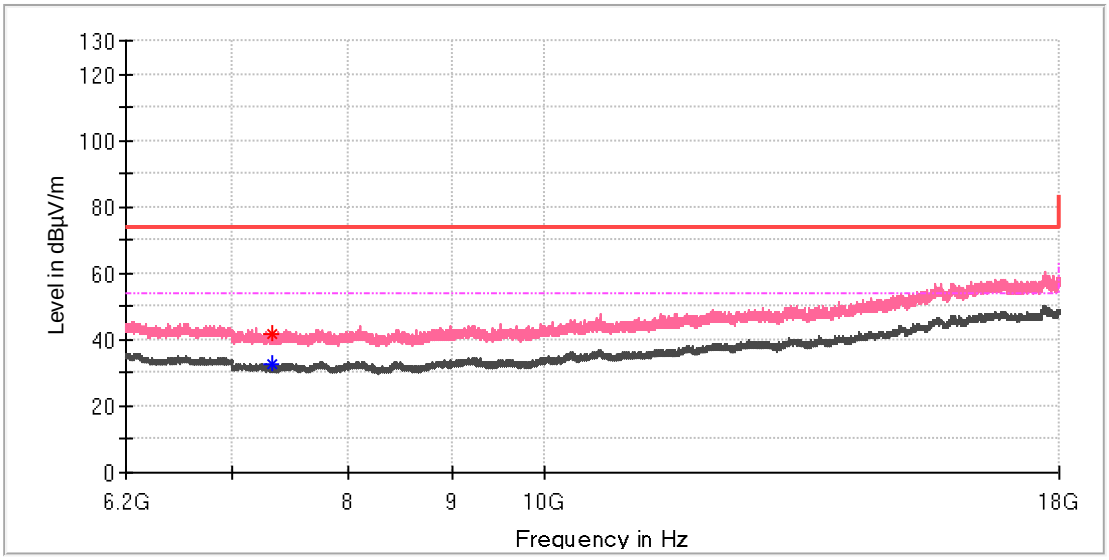
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7303.300000	42.75	---	74.00	31.25	100.0	H	331.0	8.3
7304.775000	---	31.95	54.00	22.05	100.0	H	0.0	8.3

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_11b_Mid channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

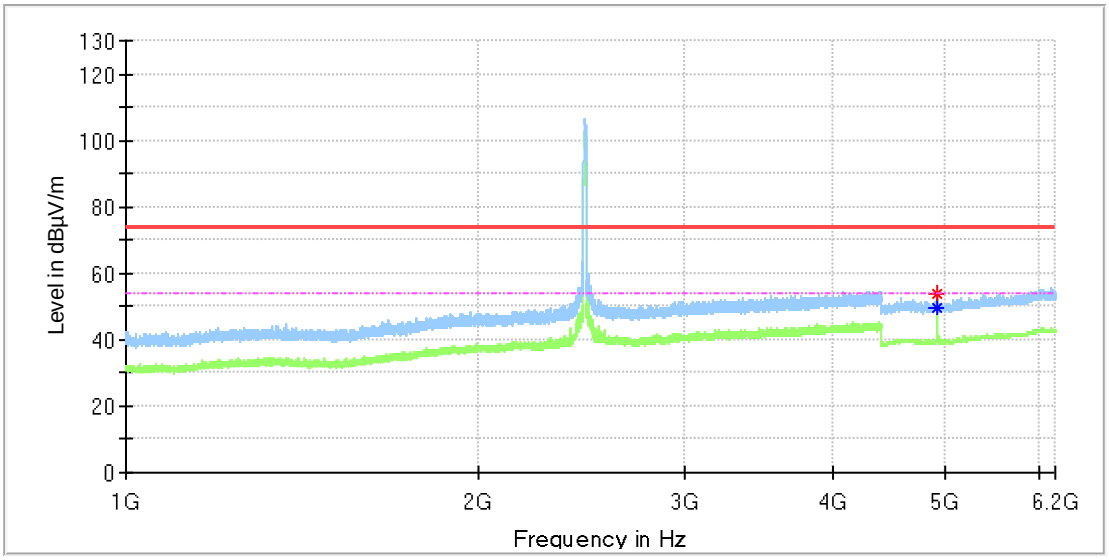
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	41.62	---	74.00	32.38	100.0	V	285.0	8.2
7326.408333	---	32.53	54.00	21.47	100.0	V	136.0	8.1

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

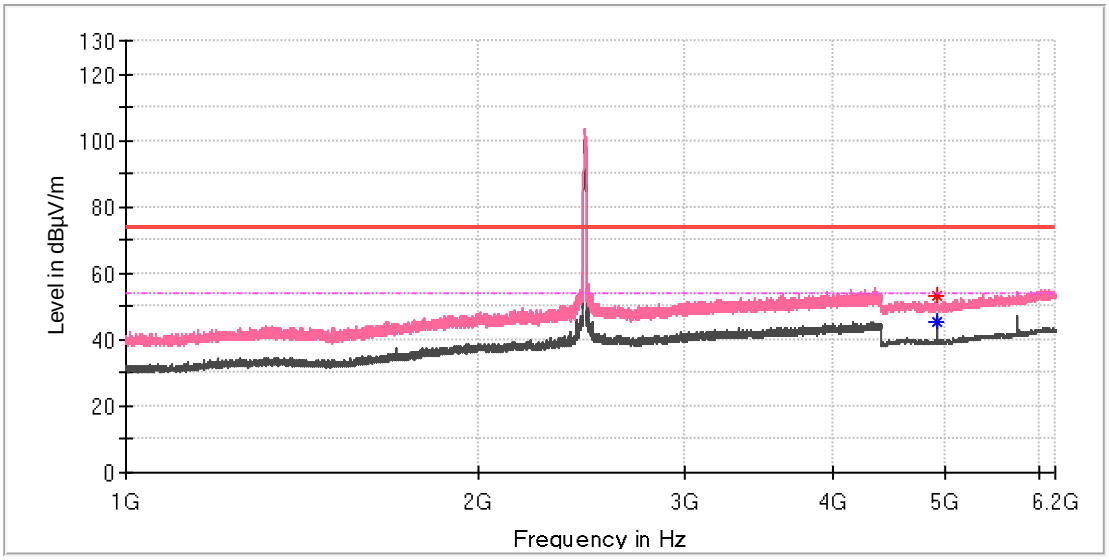
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	54.05	---	74.00	19.95	100.0	H	275.0	11.8
4924.000000	---	48.91	54.00	5.09	100.0	H	275.0	11.8

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_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

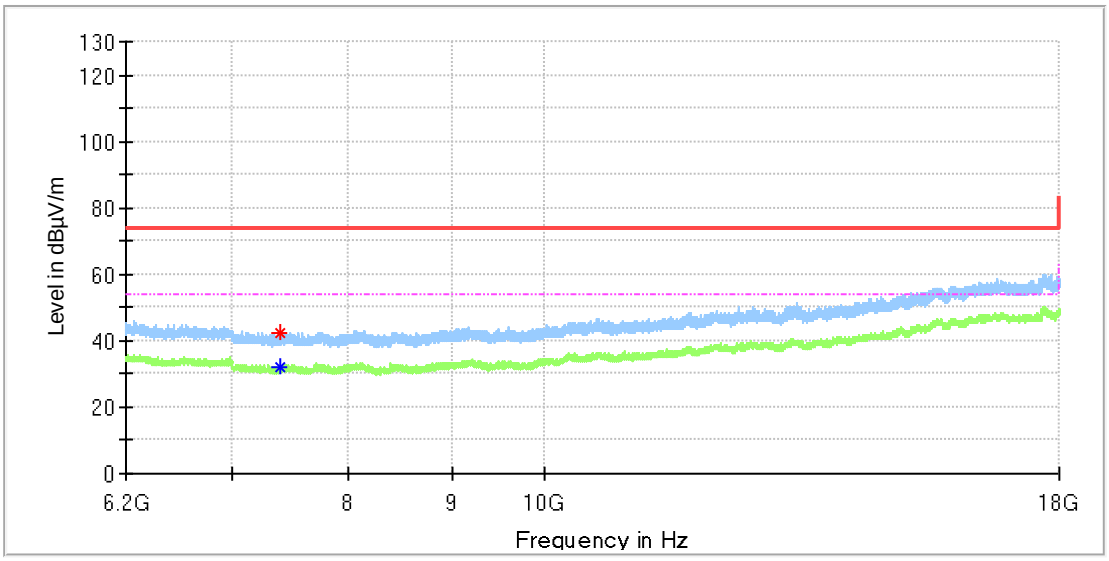
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4923.500000	---	45.49	54.00	8.51	100.0	V	278.0	11.8
4924.000000	53.04	---	74.00	20.96	100.0	V	278.0	11.8

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:	Q380RR
Test Mode:	WIFI 2.4G_11b_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

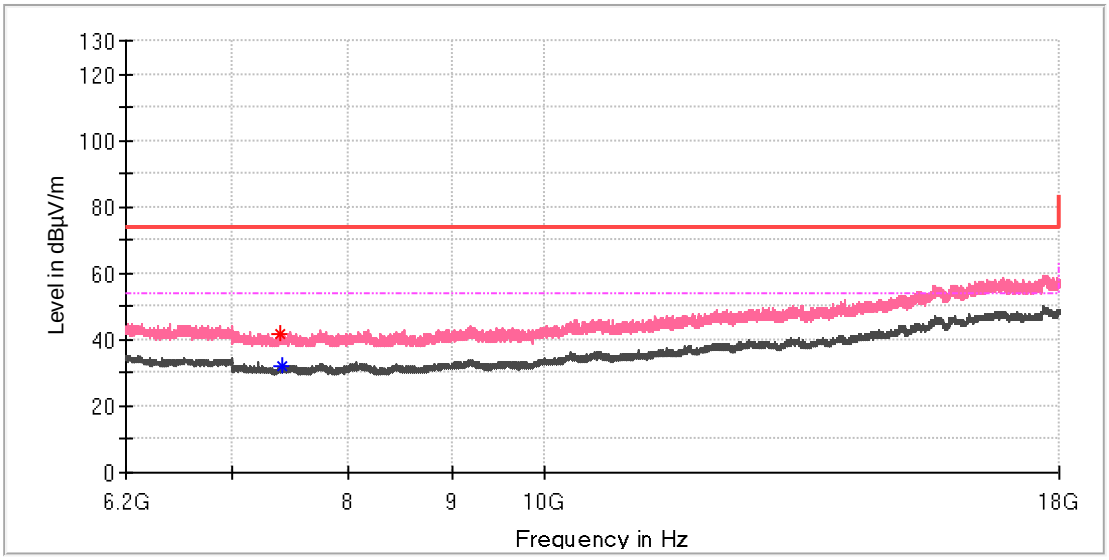
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7390.325000	---	31.98	54.00	22.02	100.0	H	245.0	8.2
7394.258333	42.11	---	74.00	31.89	100.0	H	71.0	8.3

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_11b_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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)
7397.700000	41.52	---	74.00	32.48	100.0	V	289.0	8.3
7405.566667	---	31.94	54.00	22.06	100.0	V	289.0	8.3

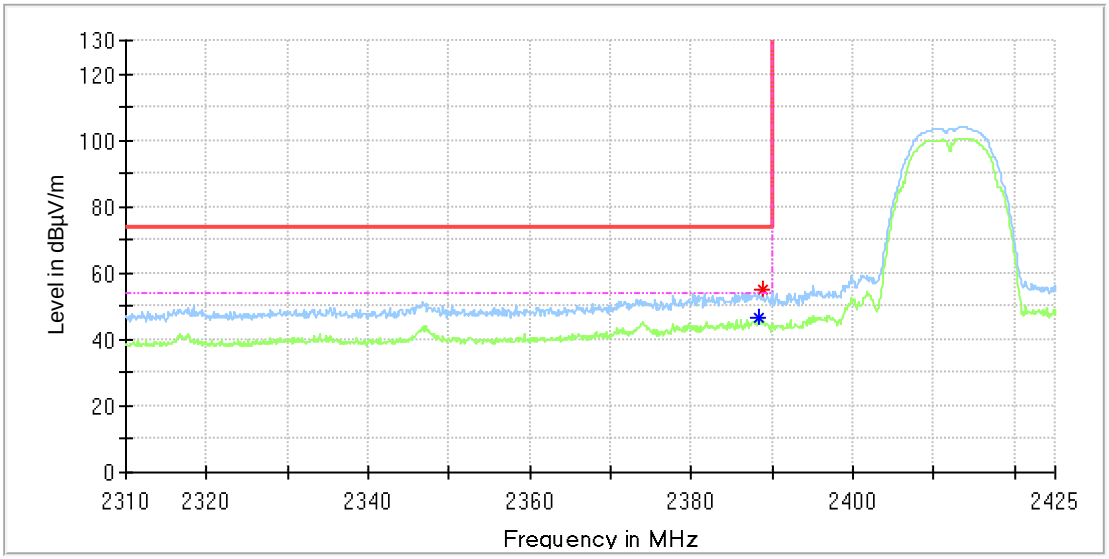
Final_Result

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

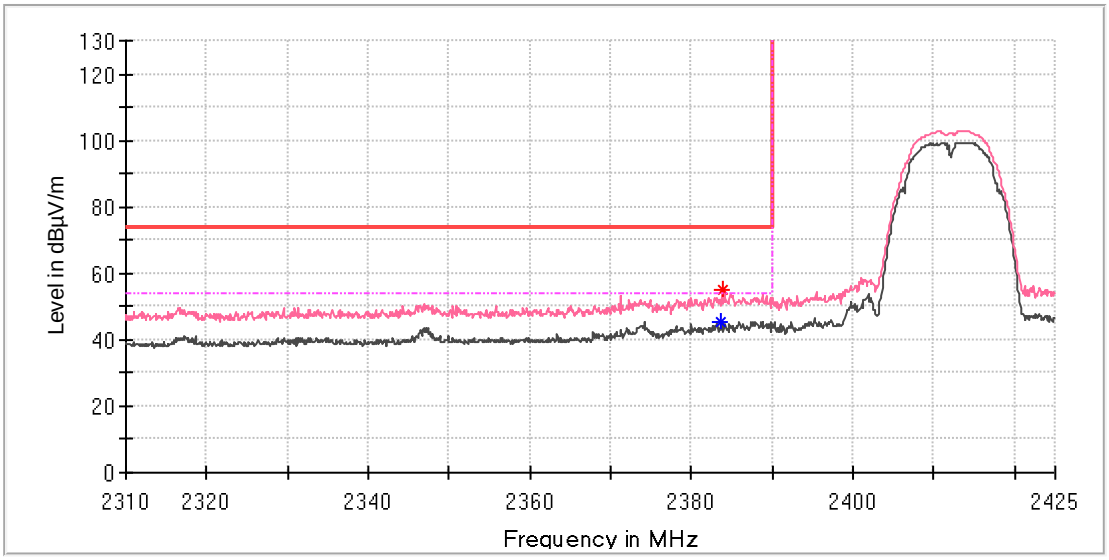
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.300000	---	46.83	54.00	7.17	100.0	H	21.0	7.0
2388.700000	55.28	---	74.00	18.72	100.0	H	21.0	7.0

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

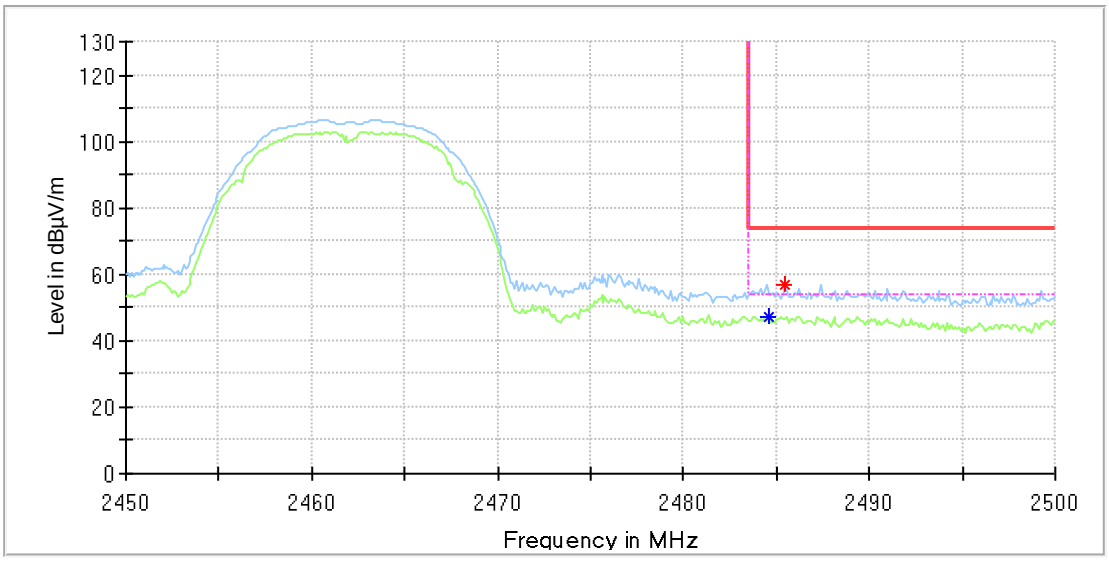
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.600000	---	45.29	54.00	8.71	100.0	V	156.0	7.0
2383.800000	54.83	---	74.00	19.17	100.0	V	156.0	7.0

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_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

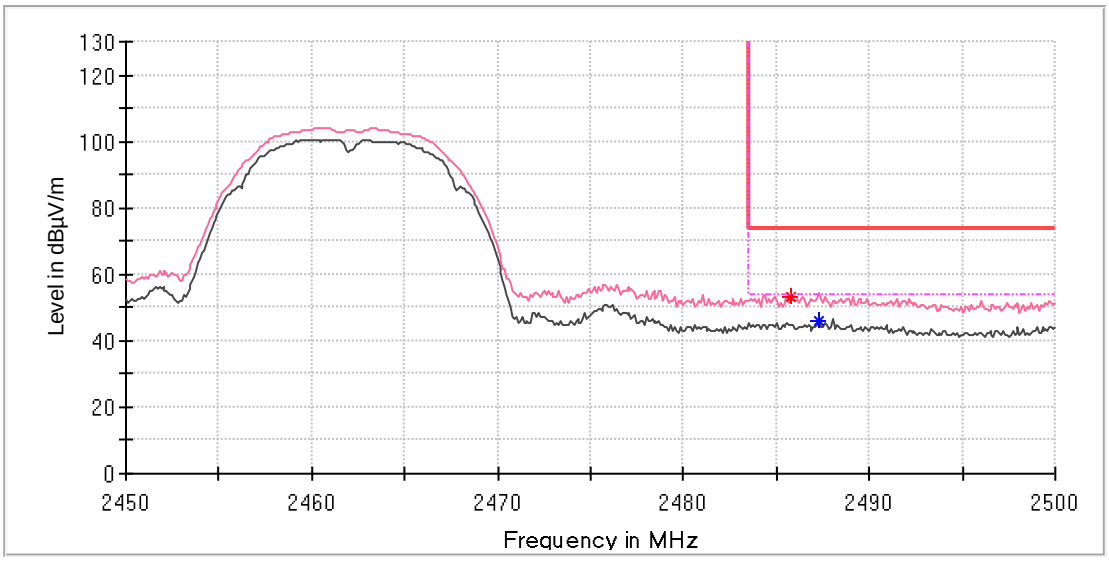
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.600000	---	47.40	54.00	6.60	100.0	H	33.0	7.4
2485.500000	56.78	---	74.00	17.22	100.0	H	33.0	7.4

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_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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)
2485.800000	53.35	---	74.00	20.65	100.0	V	150.0	7.4
2487.300000	---	46.21	54.00	7.79	100.0	V	150.0	7.4

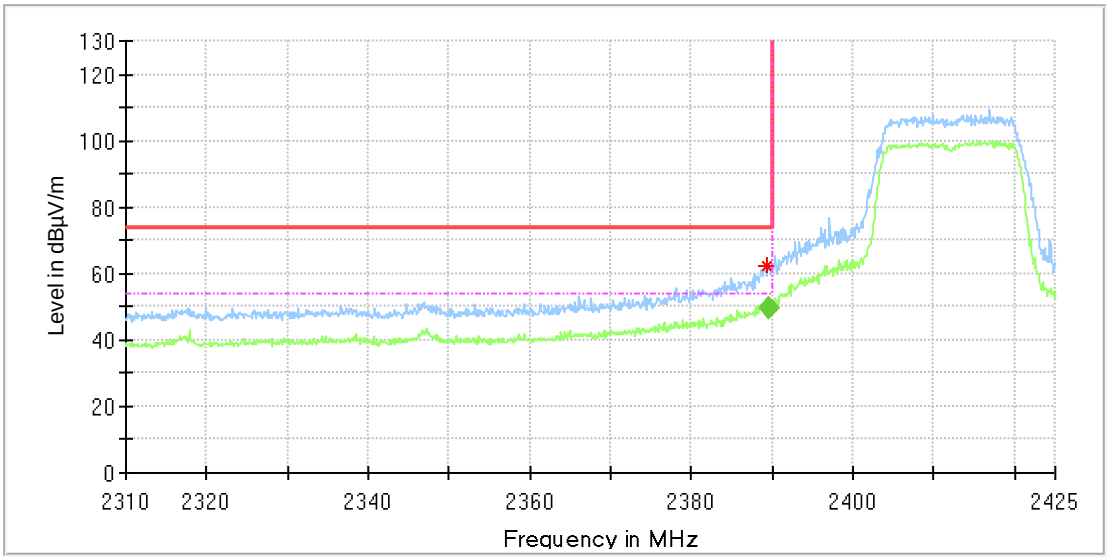
Final_Result

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_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

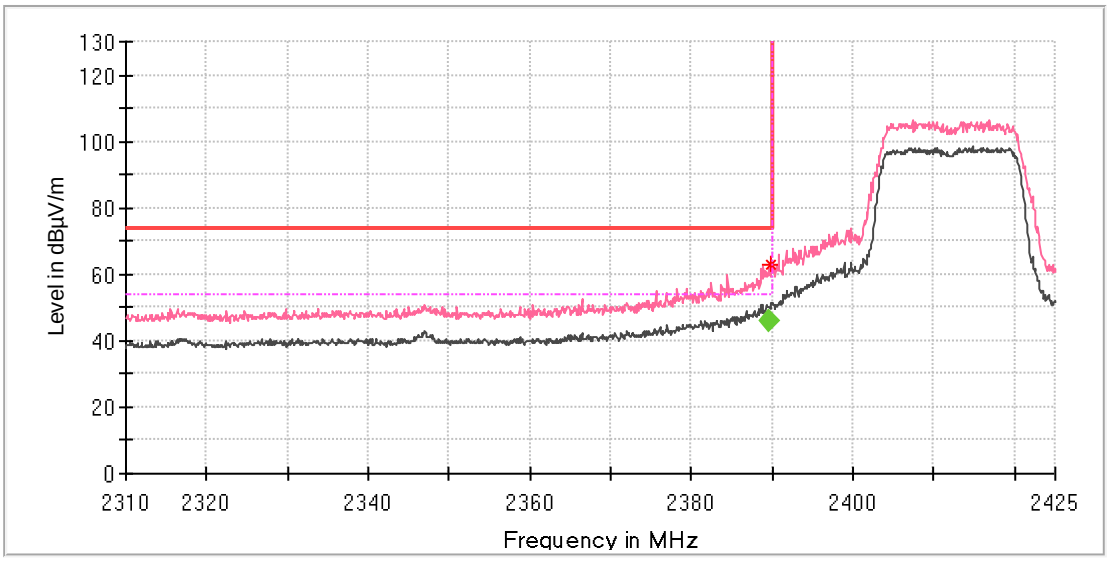
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.300000	62.05	---	74.00	11.95	100.0	H	81.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.593150	48.80	54.00	5.20	105.0	H	19.0	7.0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11g_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

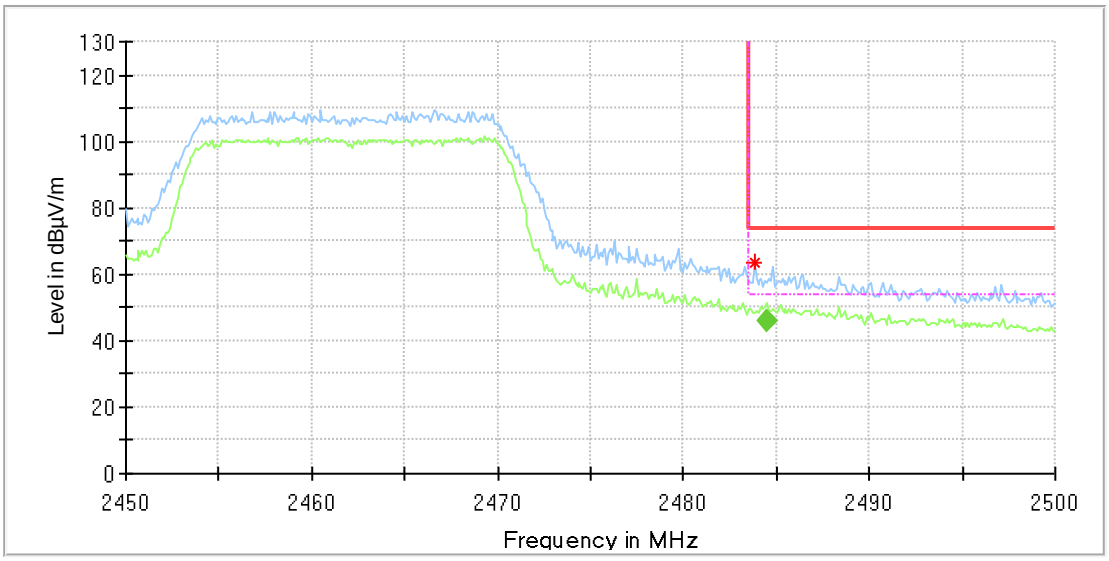
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.900000	62.94	---	74.00	11.06	100.0	V	156.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.579500	45.72	54.00	8.28	105.0	V	185.0	7.0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

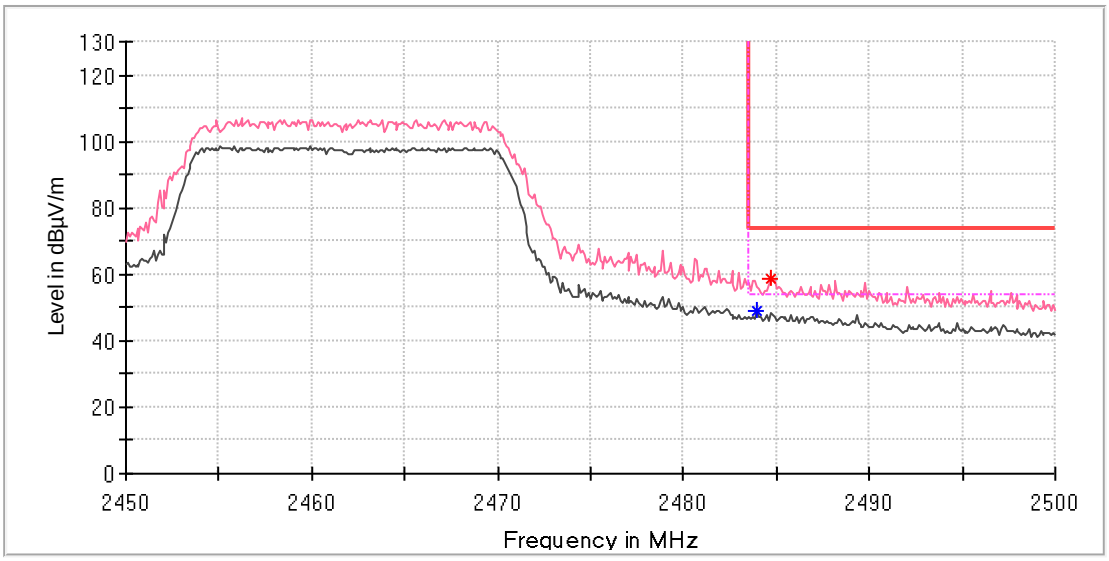
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	63.65	---	74.00	10.35	100.0	H	34.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.469600	46.11	54.00	7.89	100.0	H	19.0	7.4

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11g_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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)
2483.900000	---	48.83	54.00	5.17	100.0	V	184.0	7.4
2484.700000	58.59	---	74.00	15.41	100.0	V	158.0	7.4

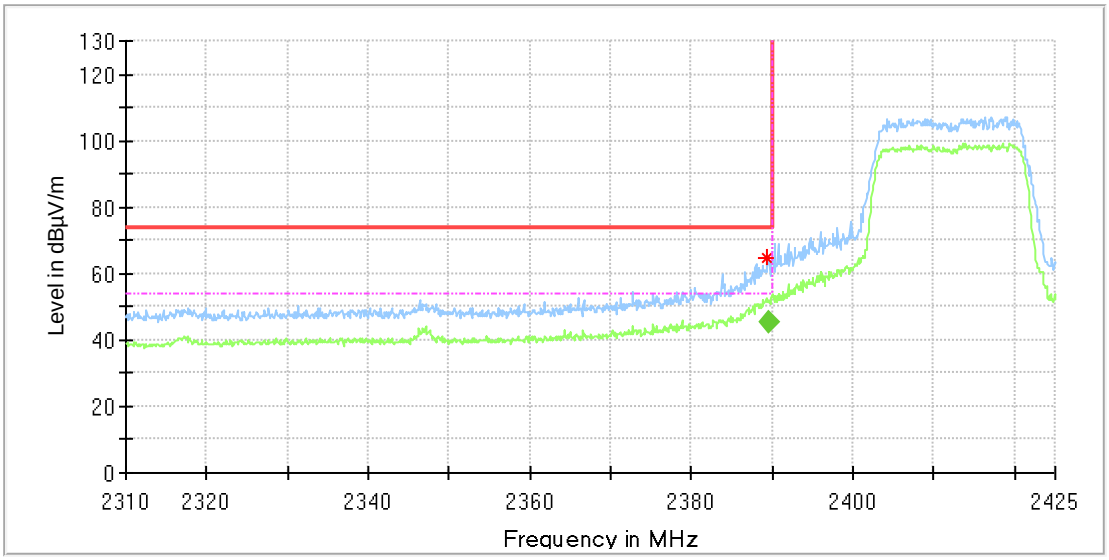
Final_Result

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_11n_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

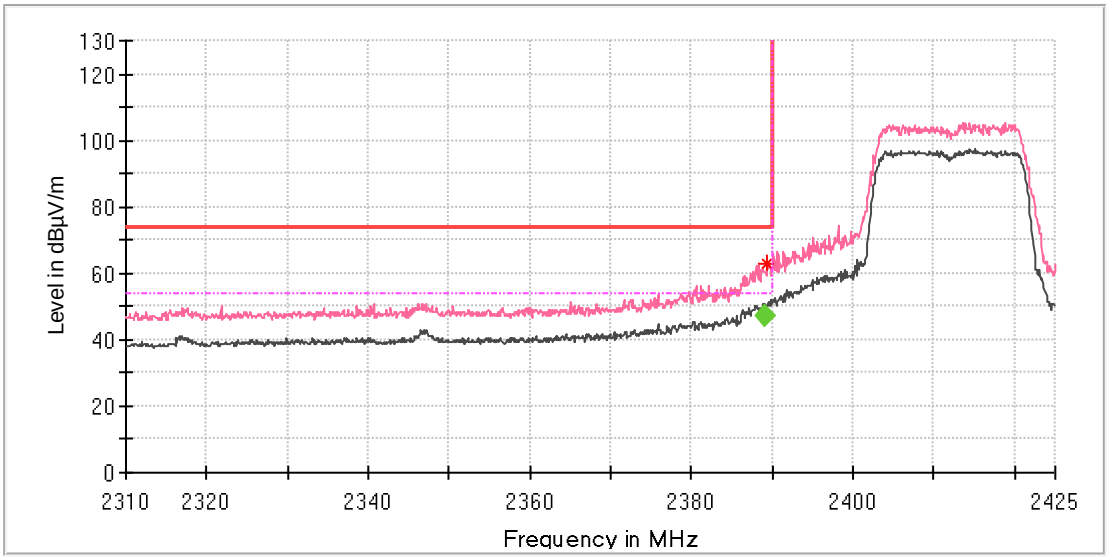
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.300000	64.78	---	74.00	9.22	100.0	H	87.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.571050	45.16	54.00	8.84	100.0	H	76.0	7.0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11n_Low channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

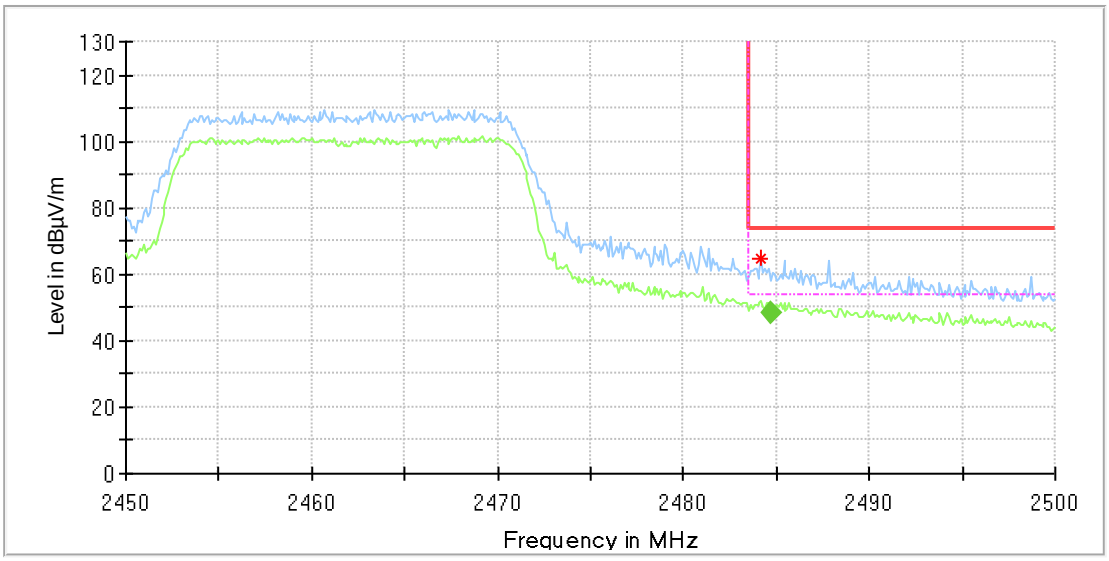
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.300000	62.95	---	74.00	11.05	100.0	V	70.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.017500	47.04	54.00	6.96	100.0	V	153.0	7.0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11n_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

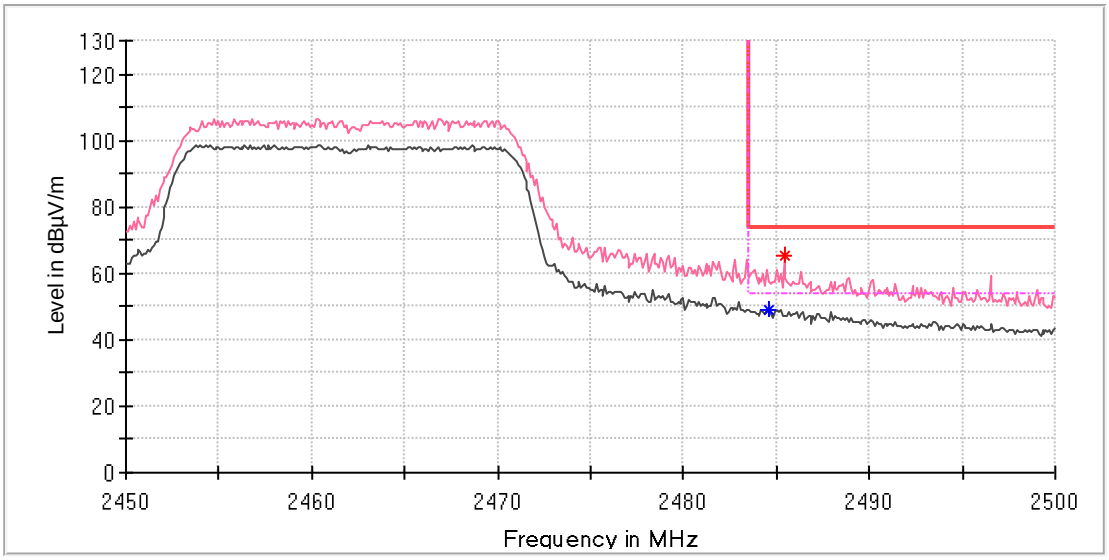
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.200000	64.53	---	74.00	9.47	100.0	H	29.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.668400	48.22	54.00	5.78	100.0	H	24.0	7.4

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q380RR
Test Mode:	WIFI 2.4G_11n_High channel
Order No/Sample No:	168347807/A003182172-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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	---	48.88	54.00	5.12	100.0	V	151.0	7.4
2485.400000	65.07	---	74.00	8.93	100.0	V	202.0	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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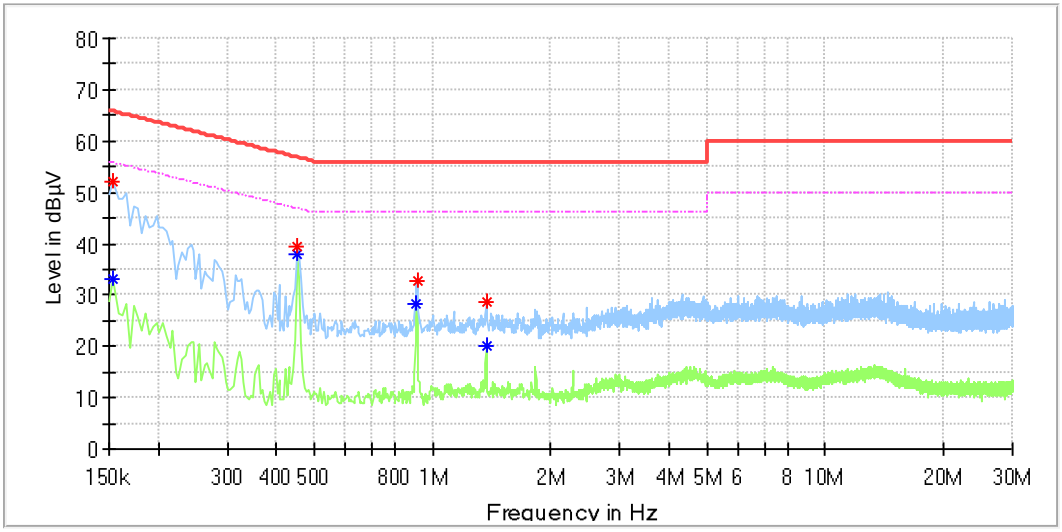
Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Order No:	168347807
Model:	Q380RR
Test mode:	Charging and WIFI link
Test Voltage:	AC 120V/60Hz
Test By:	Kei Zhang
Review By:	Terry Yin
Remark:	SR2



Critical_Freqs

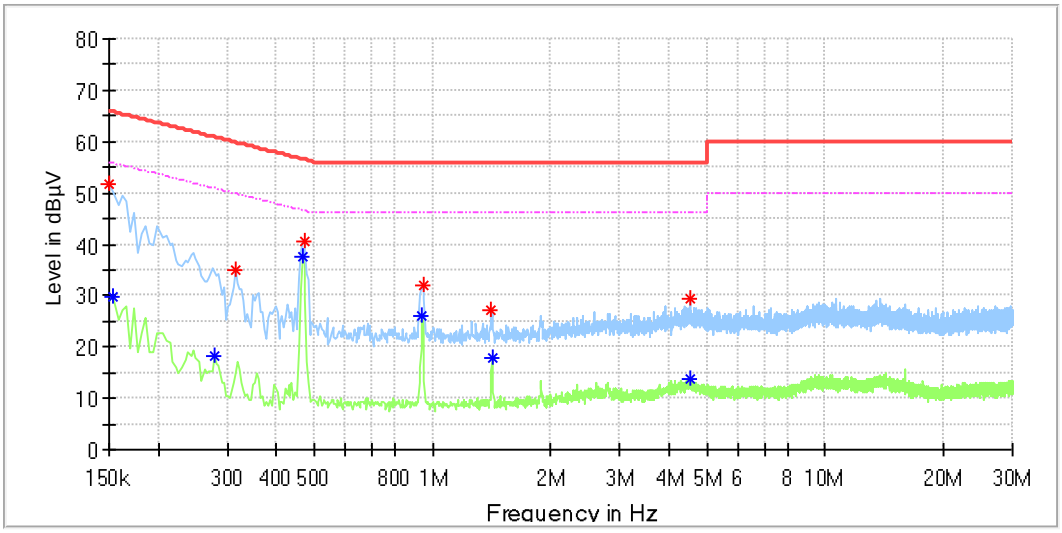
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	32.96	55.78	22.82	L1	9.9
0.154000	52.13	---	65.78	13.65	L1	9.9
0.454000	---	37.94	46.80	8.86	L1	10.0
0.454000	39.38	---	56.80	17.42	L1	10.0
0.910000	---	28.33	46.00	17.67	L1	10.0
0.914000	32.89	---	56.00	23.11	L1	10.0
1.370000	---	20.19	46.00	25.81	L1	10.1
1.370000	28.81	---	56.00	27.19	L1	10.1

Final_Result

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Order No:	168347807
Model:	Q380RR
Test mode:	Charging and WIFI link
Test Voltage:	AC 120V/60Hz
Test By:	Kei Zhang
Review By:	Terry Yin
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.150000	51.75	---	66.00	14.25	N	9.8
0.154000	---	29.69	55.78	26.10	N	9.8
0.278000	---	18.20	50.88	32.67	N	9.8
0.314000	34.83	---	59.86	25.03	N	9.8
0.466000	---	37.70	46.59	8.89	N	9.8
0.470000	40.65	---	56.51	15.87	N	9.8
0.942000	---	26.23	46.00	19.77	N	9.8
0.946000	32.16	---	56.00	23.84	N	9.8
1.414000	27.02	---	56.00	28.98	N	9.8
1.422000	---	17.82	46.00	28.18	N	9.8
4.538000	29.25	---	56.00	26.75	N	9.9
4.542000	---	13.60	46.00	32.40	N	9.9

Final_Result

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