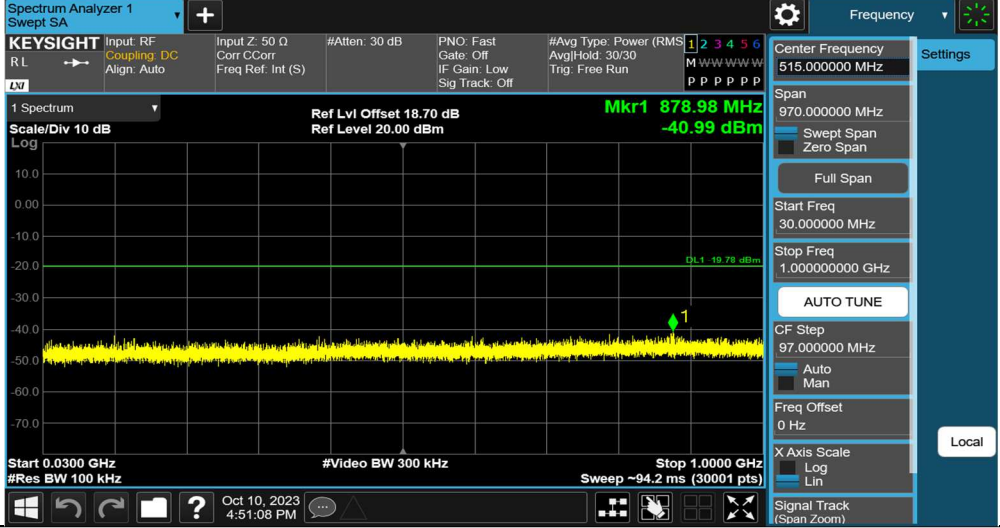


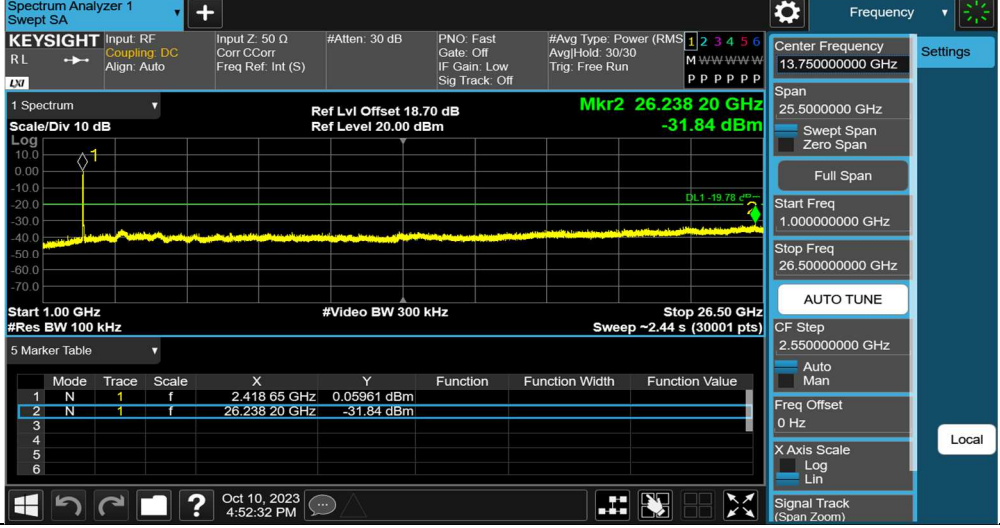
11N40SISO_Ant1_2422_0~Reference

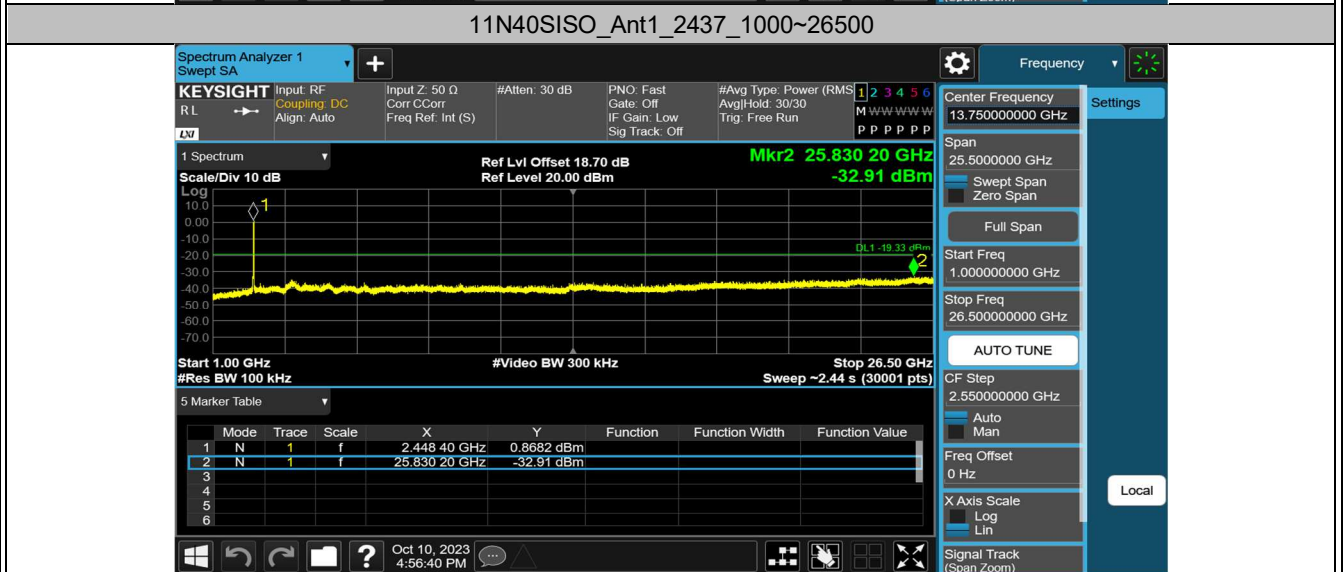
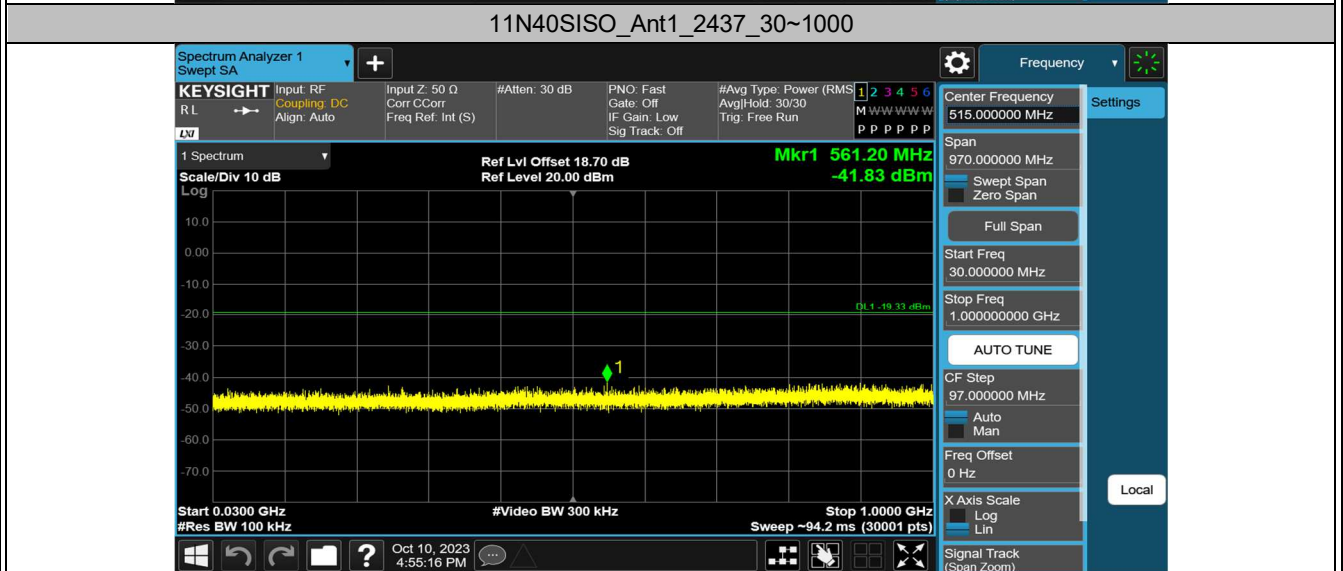
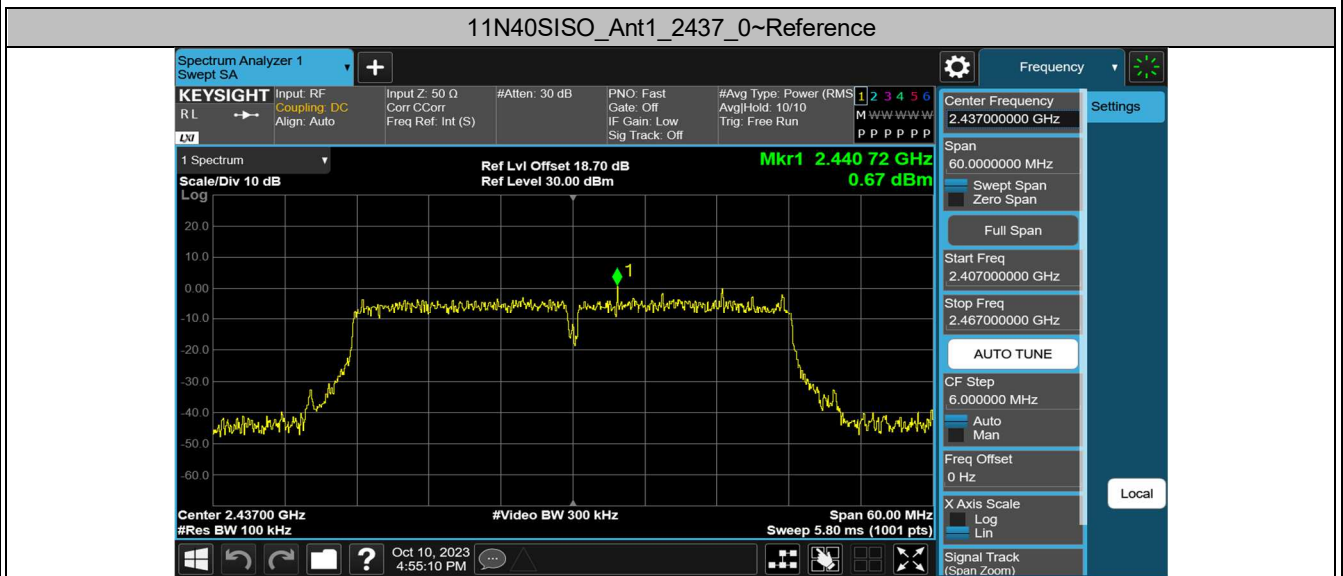


11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500

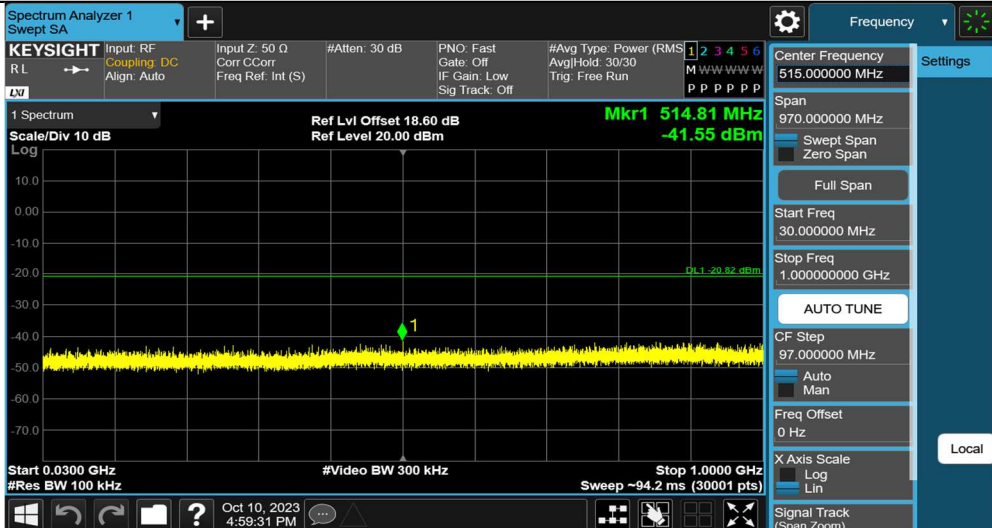




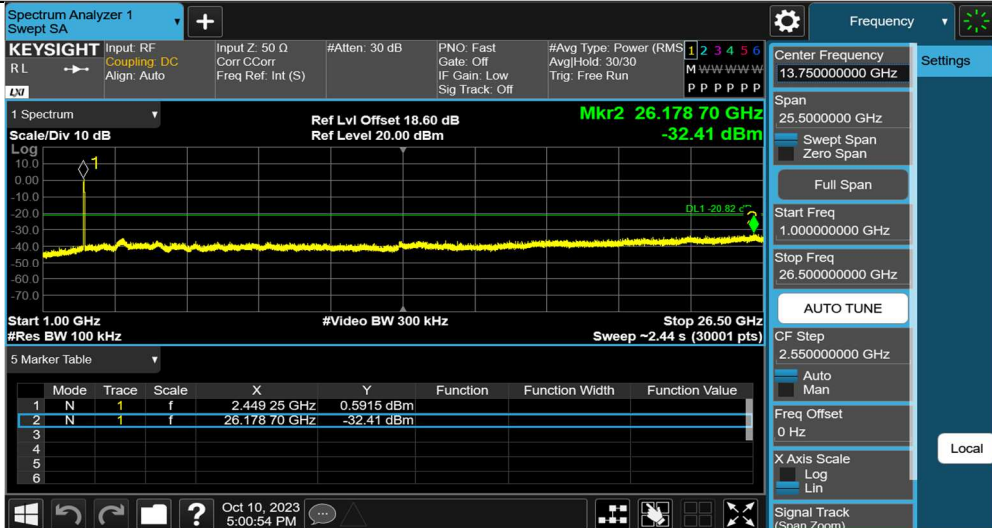
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



Appendix A.5: Test Results of Radiated Spurious Emissions

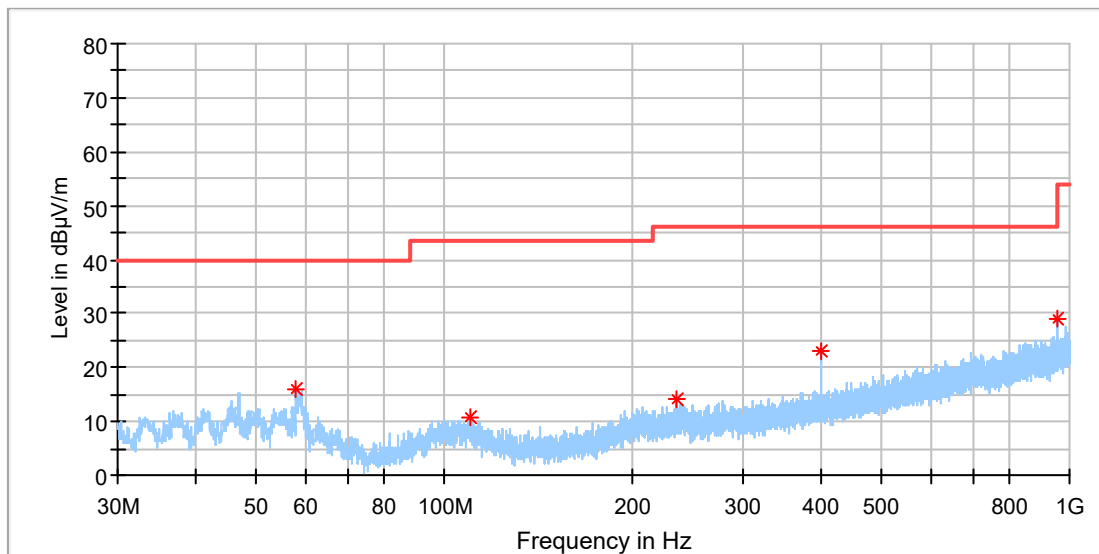
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

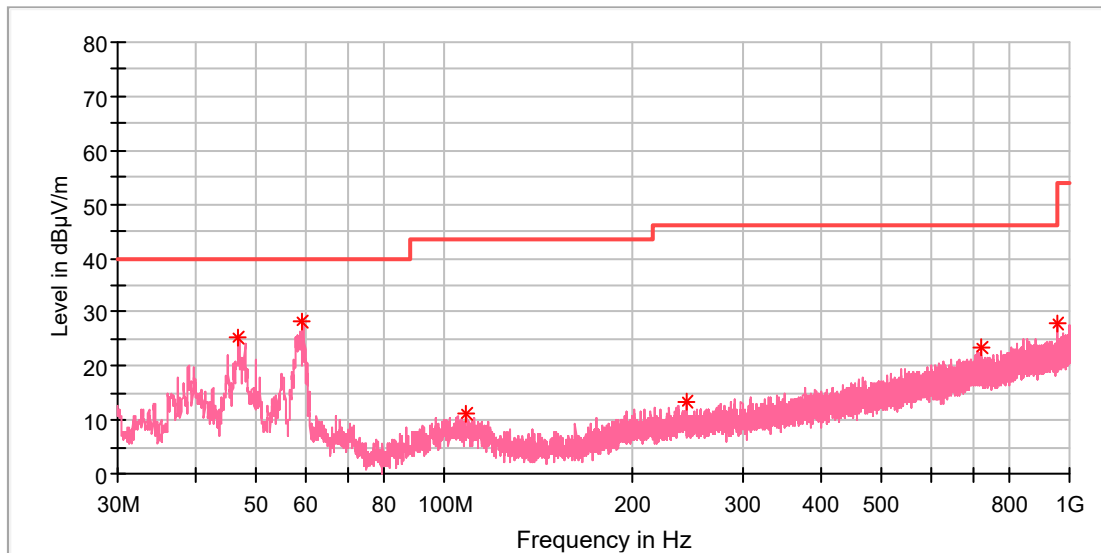
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.980769	16.09	40.00	23.91	100.0	H	0.0	-19.1
109.838462	10.81	43.50	32.69	100.0	H	231.0	-19.4
234.781923	13.96	46.00	32.04	100.0	H	287.0	-18.2
399.980385	23.13	46.00	22.87	100.0	H	67.0	-14.1
960.006154	28.86	54.00	25.14	100.0	H	117.0	-4.7

Final Result

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

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.863077	25.42	40.00	14.58	100.0	V	195.0	-18.9
59.361154	28.13	40.00	11.87	100.0	V	18.0	-19.2
108.719231	11.18	43.50	32.32	100.0	V	327.0	-19.3
243.549231	13.58	46.00	32.42	100.0	V	249.0	-17.9
723.699231	23.32	46.00	22.68	100.0	V	47.0	-8.0
960.006154	27.77	54.00	26.23	100.0	V	137.0	-4.7

Final Result

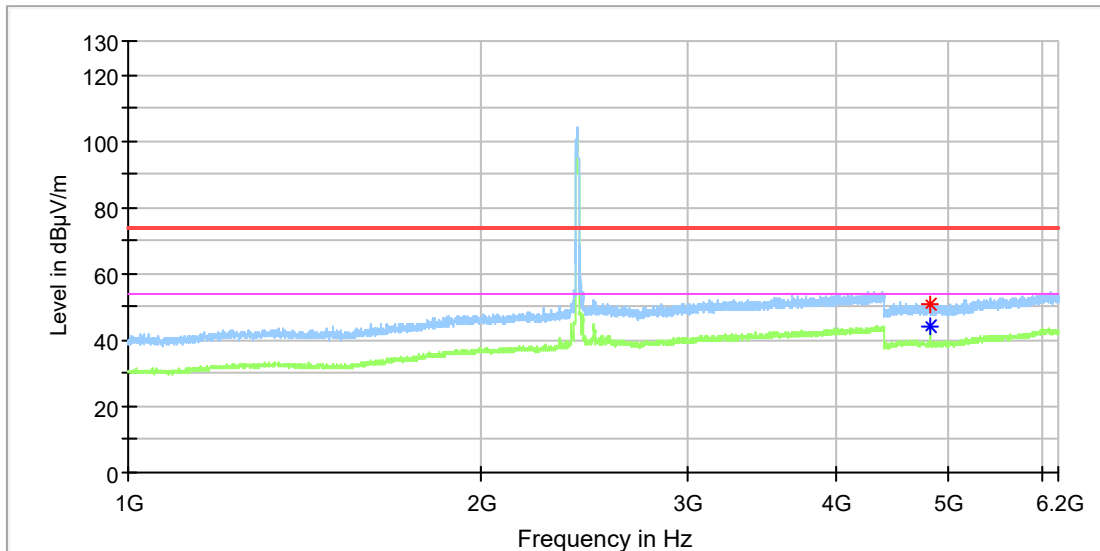
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

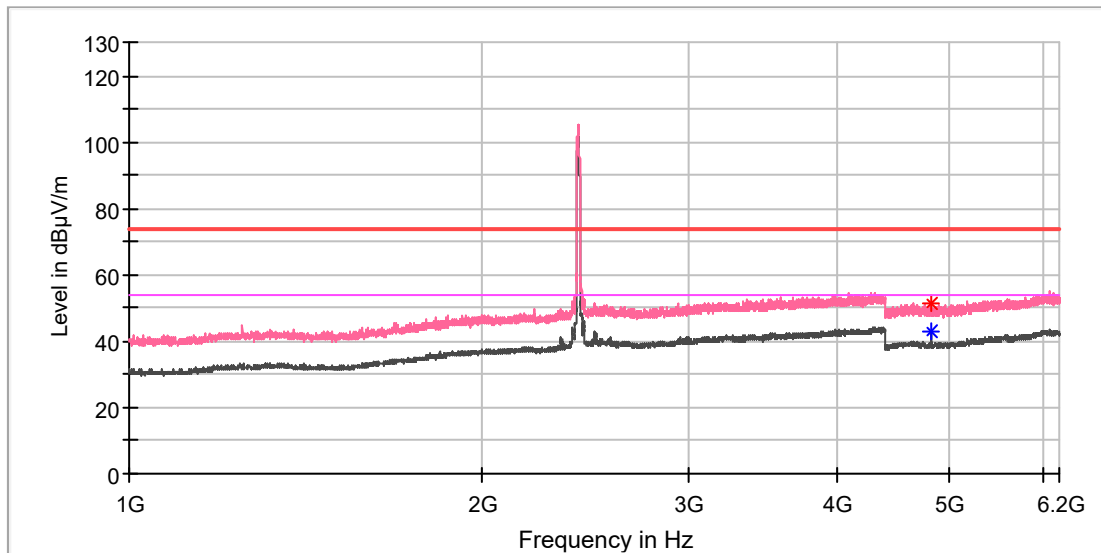
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4815.500000	50.79	---	74.00	23.21	150.0	H	278.0	11.8
4824.000000	---	44.18	54.00	9.82	150.0	H	195.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

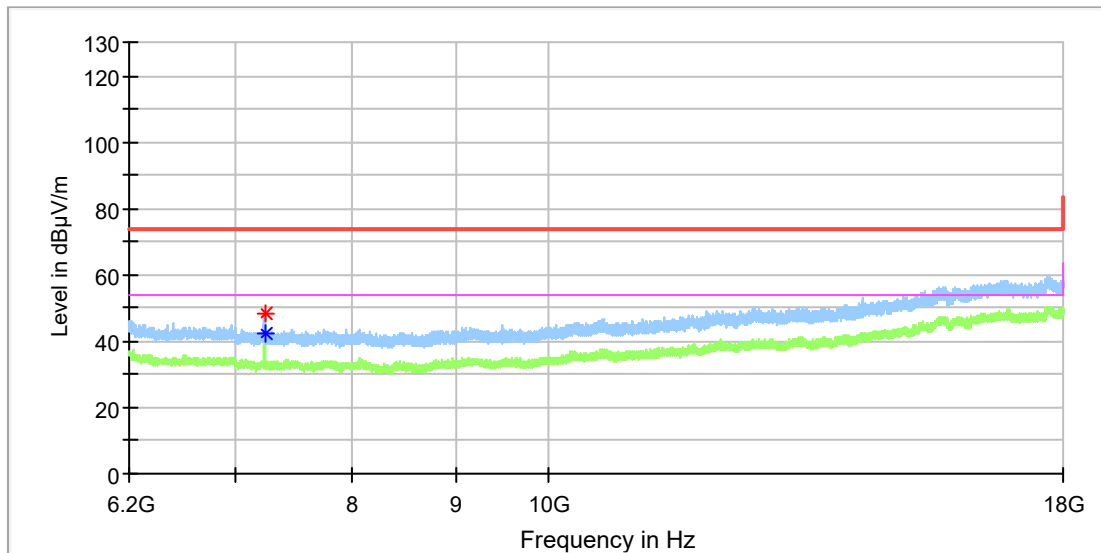
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.000000	51.63	---	74.00	22.37	150.0	V	142.0	11.8
4824.000000	---	42.63	54.00	11.37	150.0	V	142.0	11.8

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:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch1
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

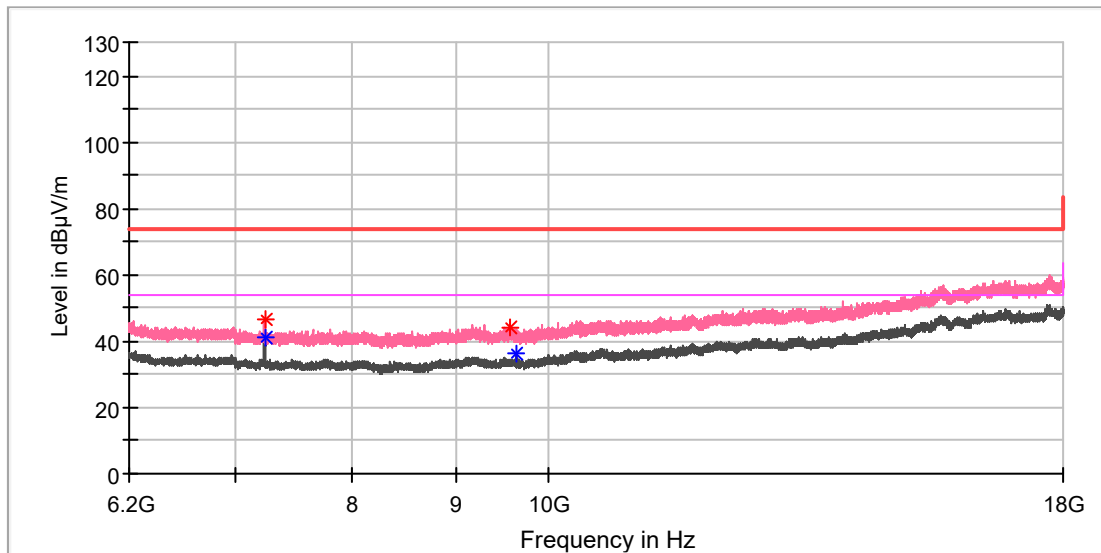
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7235.941667	48.12	---	74.00	25.88	150.0	H	32.0	8.6
7236.925000	---	42.48	54.00	11.52	150.0	H	32.0	8.6

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch1
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

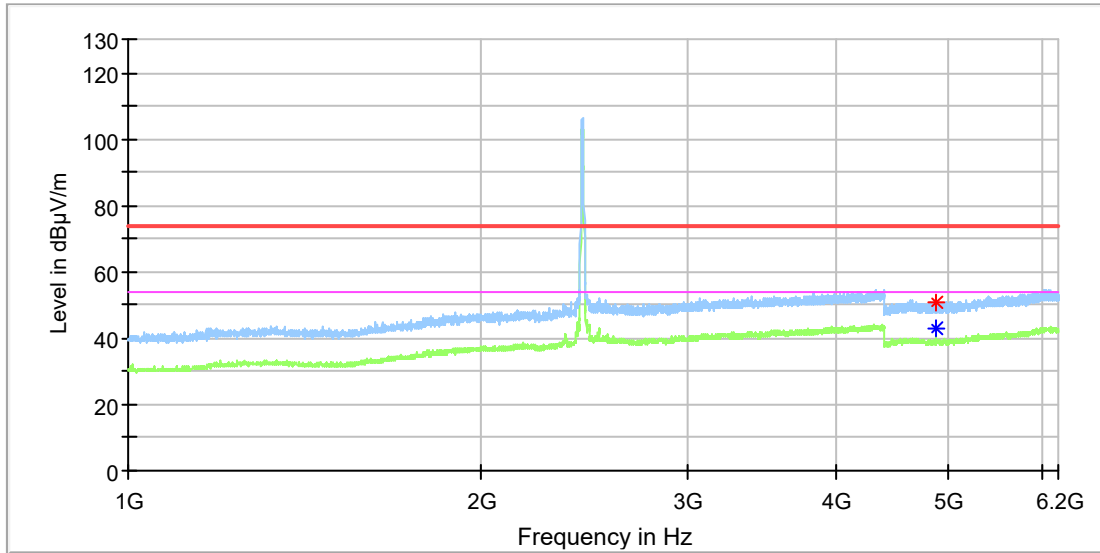
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7235.450000	46.46	---	74.00	27.54	150.0	V	338.0	8.6
7236.925000	---	40.98	54.00	13.02	150.0	V	72.0	8.6
9580.208333	43.90	---	74.00	30.10	150.0	V	202.0	10.3
9647.566667	---	36.03	54.00	17.97	150.0	V	36.0	10.4

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

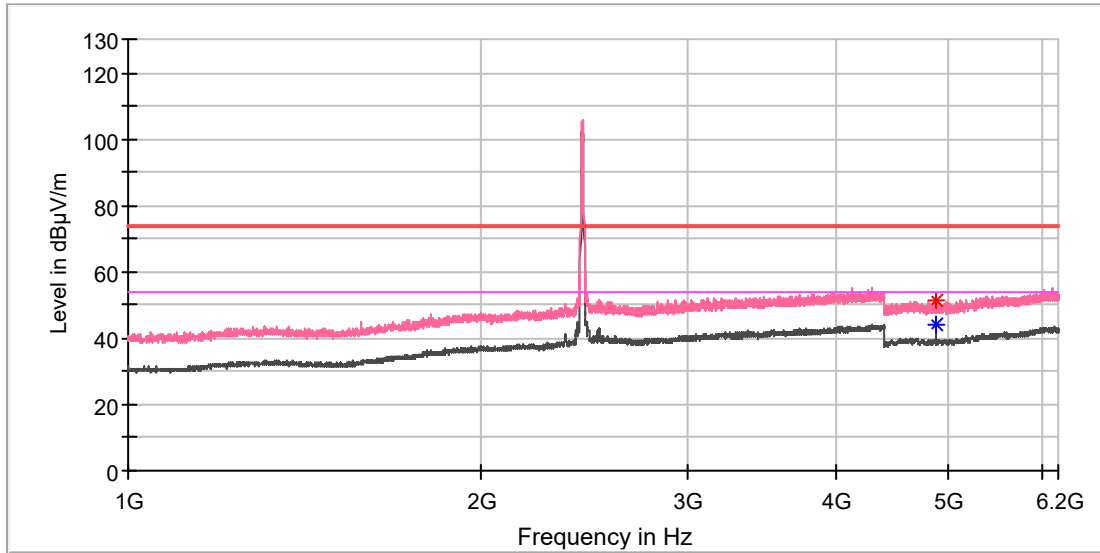
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4873.500000	50.58	---	74.00	23.42	150.0	H	77.0	11.8
4874.000000	---	42.86	54.00	11.14	150.0	H	156.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

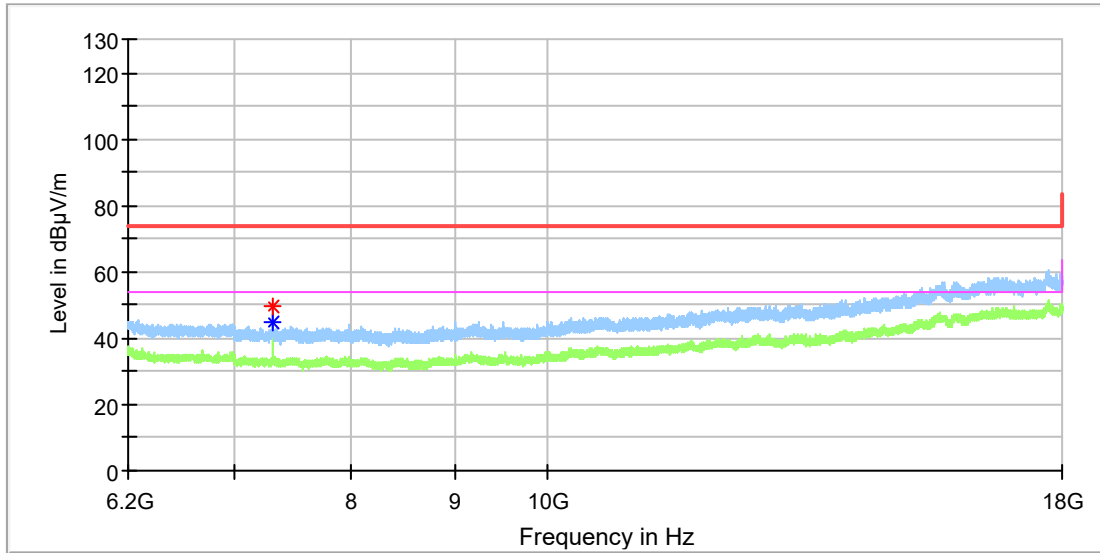
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4874.000000	51.55	---	74.00	22.45	150.0	V	350.0	11.8
4874.000000	---	43.98	54.00	10.02	150.0	V	350.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

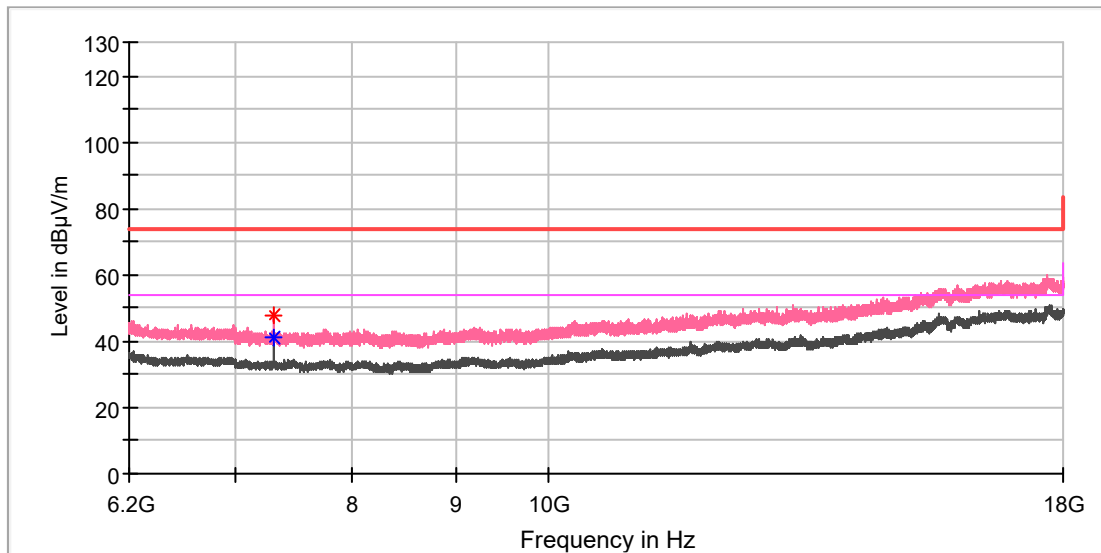
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	---	44.50	54.00	9.50	150.0	H	25.0	8.2
7310.675000	49.71	---	74.00	24.29	150.0	H	25.0	8.2

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

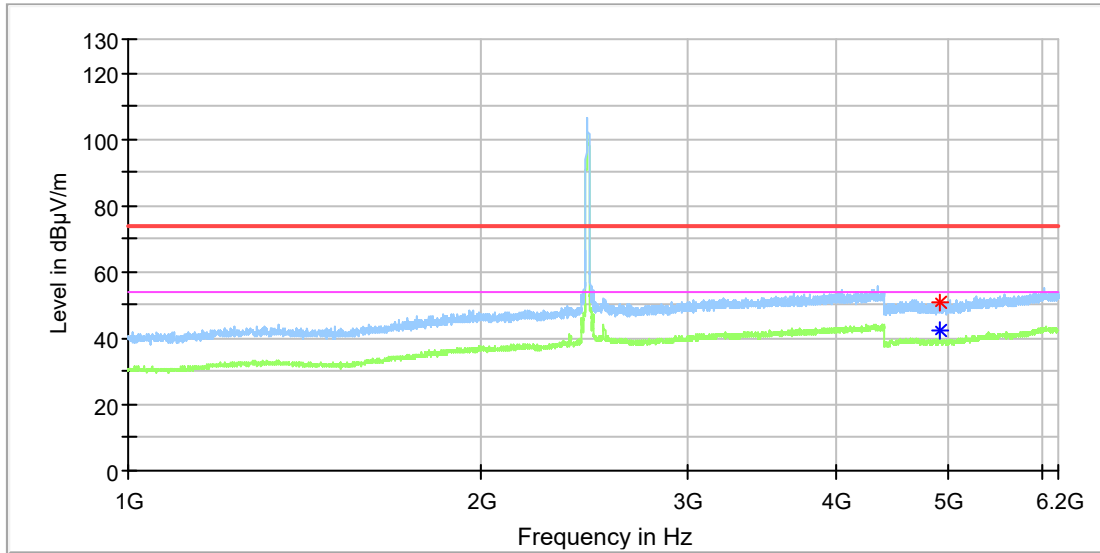
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7309.200000	47.64	---	74.00	26.36	150.0	V	334.0	8.2
7309.200000	---	40.91	54.00	13.09	150.0	V	334.0	8.2

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: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

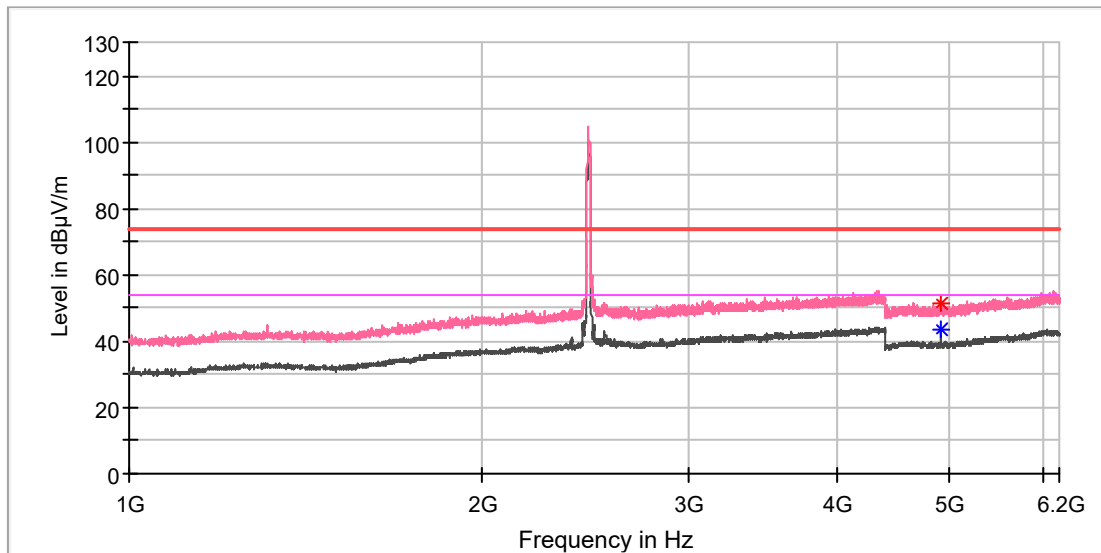
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4924.000000	50.65	---	74.00	23.35	150.0	H	183.0	11.8
4924.000000	---	42.21	54.00	11.79	150.0	H	183.0	11.8

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:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

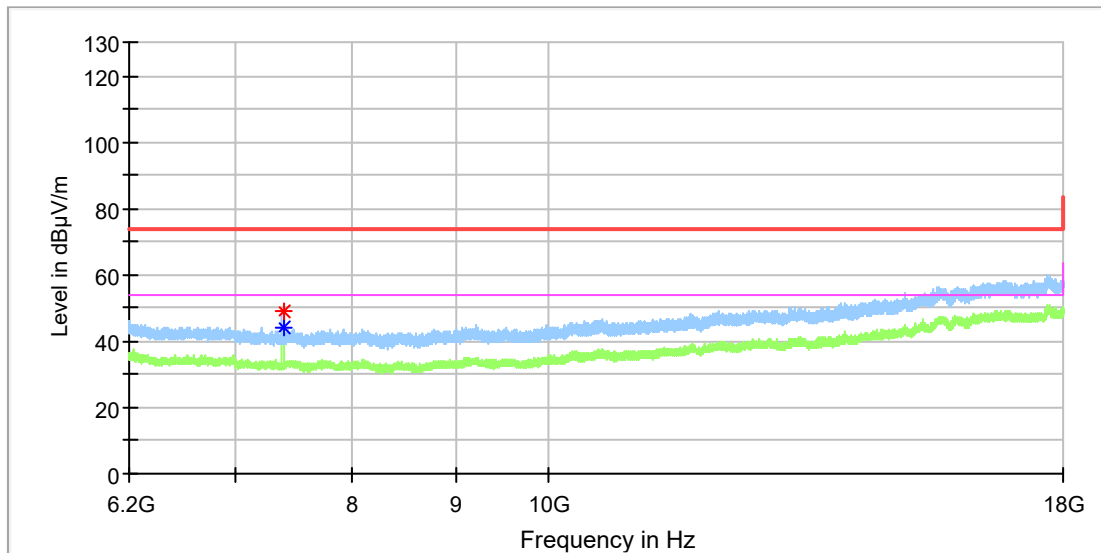
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4911.500000	51.35	---	74.00	22.65	150.0	V	346.0	11.8
4924.000000	---	43.28	54.00	10.72	150.0	V	346.0	11.8

Final Result

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

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11b_Ch11
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

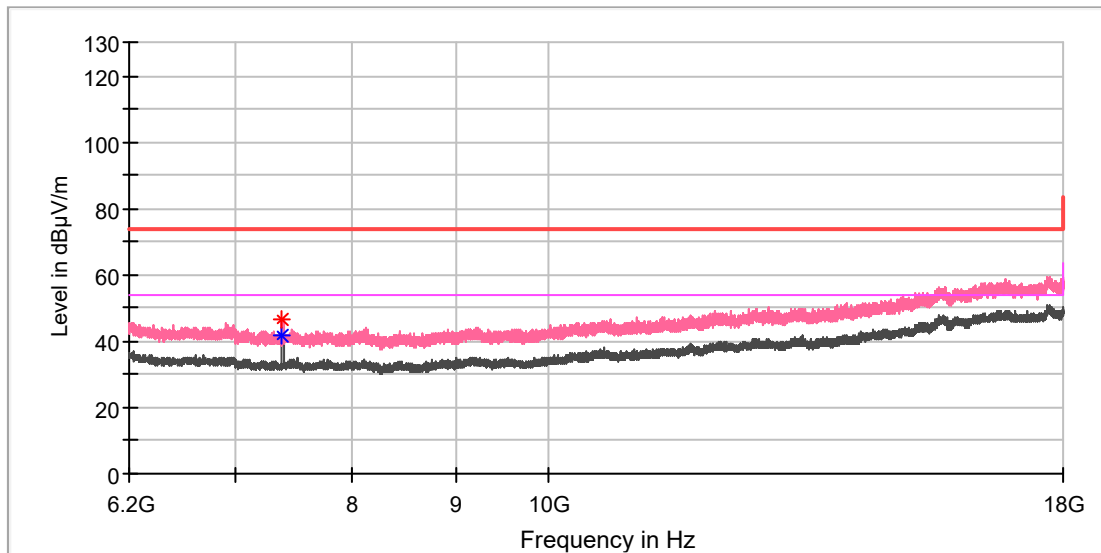
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7386.883333	---	43.86	54.00	10.14	150.0	H	25.0	8.2
7387.375000	48.91	---	74.00	25.09	150.0	H	37.0	8.2

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:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

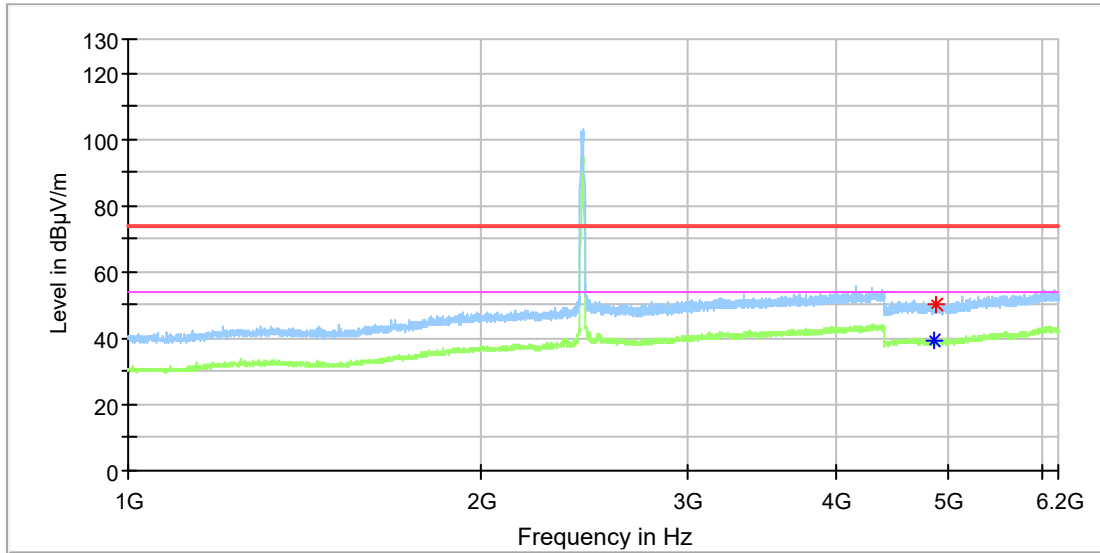
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7384.916667	46.74	---	74.00	27.26	150.0	V	338.0	8.2
7384.916667	---	41.57	54.00	12.43	150.0	V	338.0	8.2

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: QR1PES
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

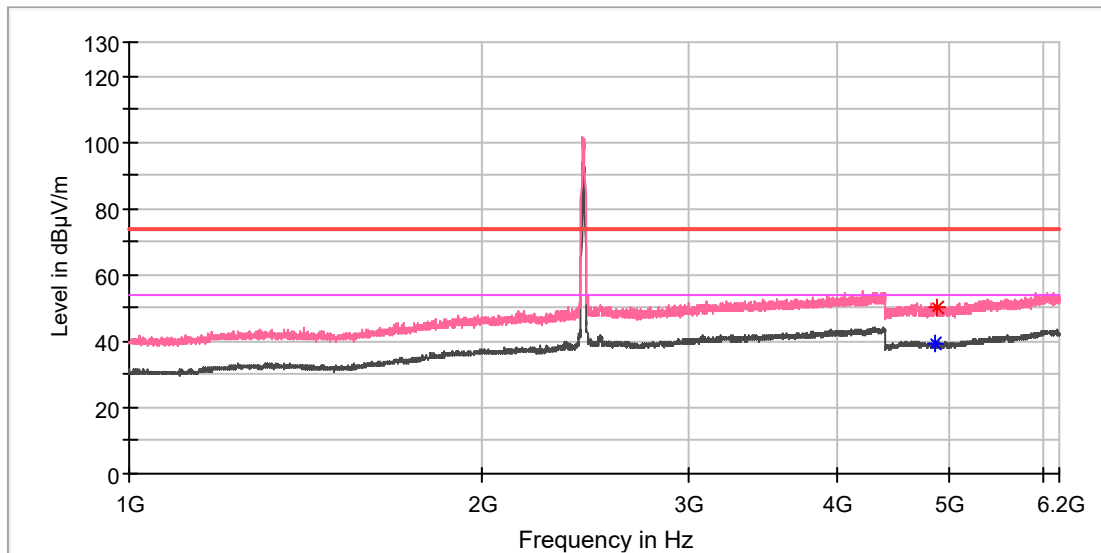
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4855.500000	---	39.41	54.00	14.59	150.0	H	67.0	11.8
4872.000000	50.27	---	74.00	23.73	150.0	H	342.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

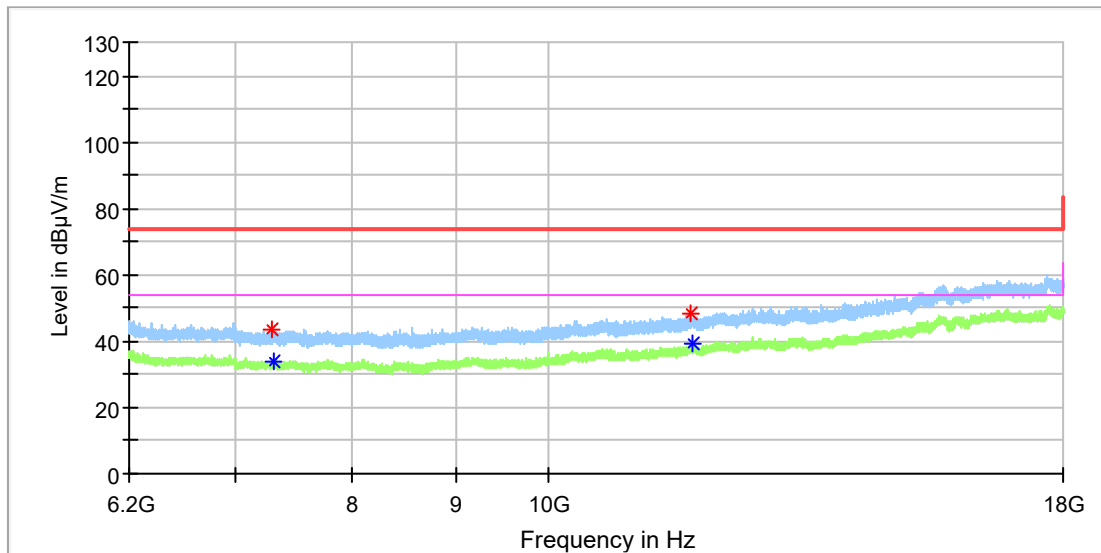
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4864.000000	---	39.30	54.00	14.70	150.0	V	351.0	11.8
4869.000000	50.45	---	74.00	23.55	150.0	V	314.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

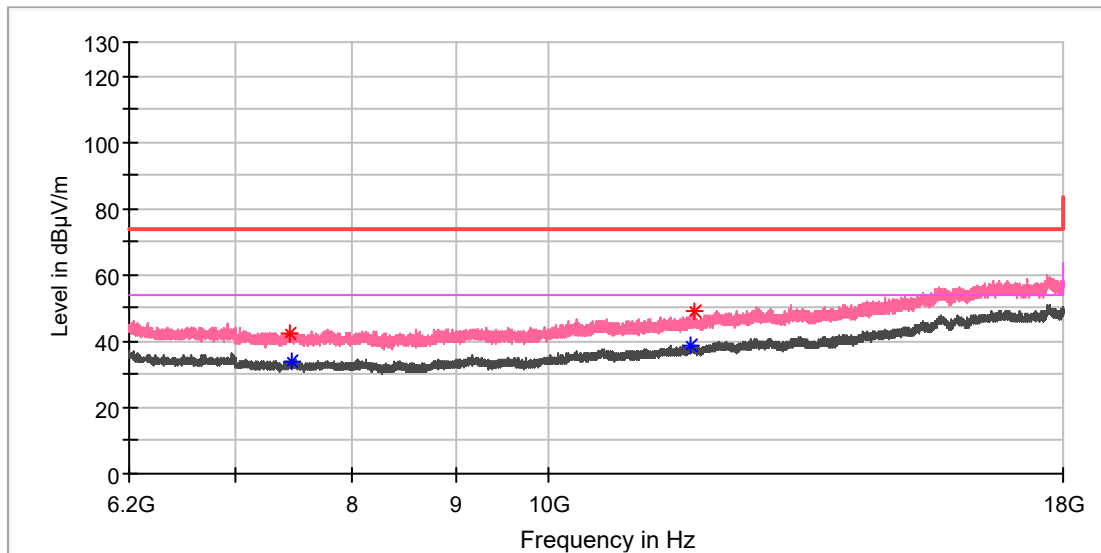
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7286.091667	43.64	---	74.00	30.36	150.0	H	356.0	8.4
7304.775000	---	34.13	54.00	19.87	150.0	H	235.0	8.3
11775.008333	48.11	---	74.00	25.89	150.0	H	318.0	13.4
11781.891667	---	39.19	54.00	14.81	150.0	H	222.0	13.4

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11g_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

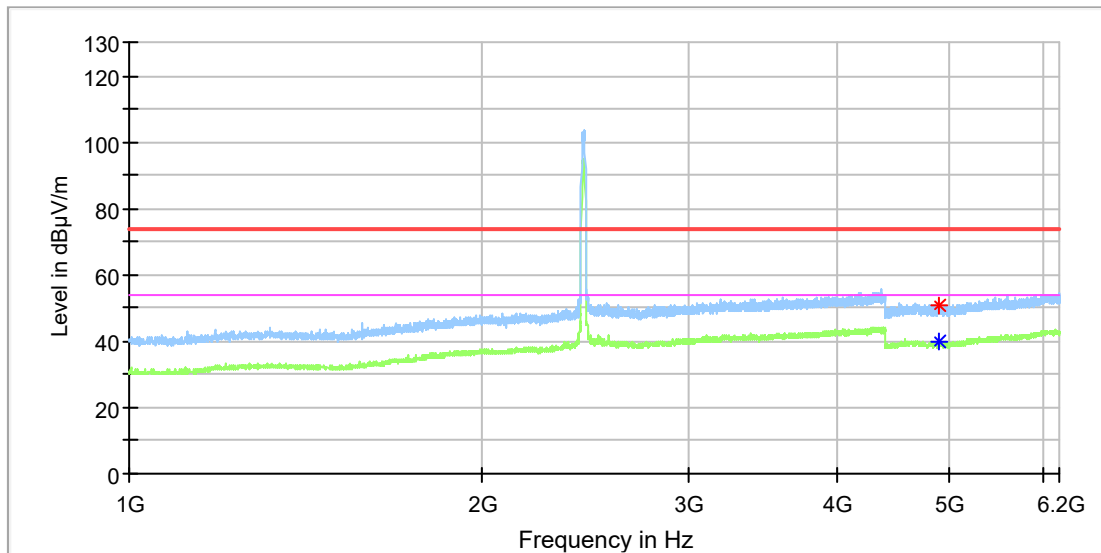
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7441.950000	42.61	---	74.00	31.39	150.0	V	226.0	8.4
7468.991667	---	34.12	54.00	19.88	150.0	V	93.0	8.6
11772.550000	---	38.81	54.00	15.19	150.0	V	201.0	13.4
11819.258333	48.70	---	74.00	25.30	150.0	V	226.0	13.5

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

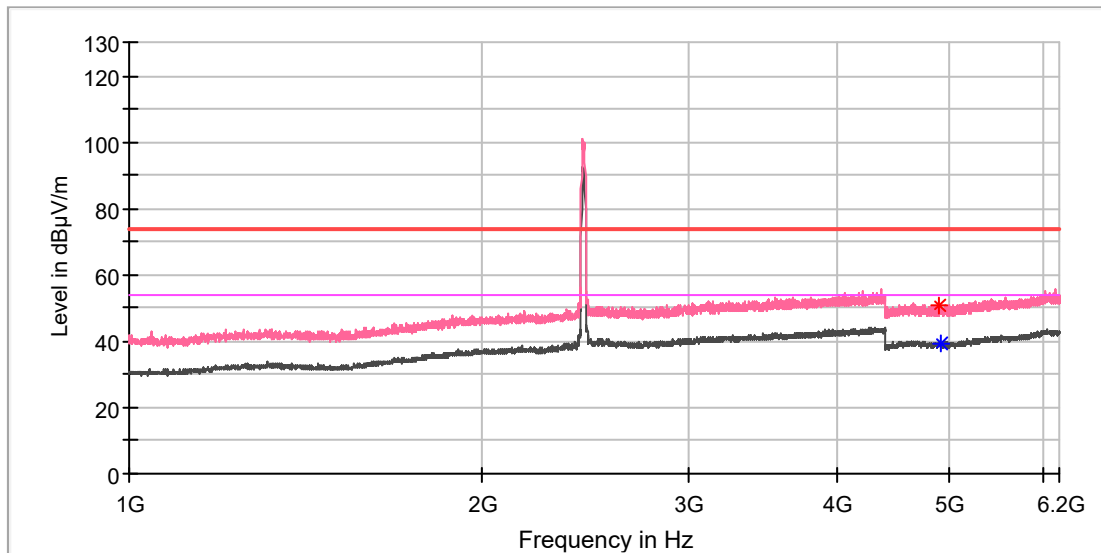
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4902.500000	---	39.89	54.00	14.11	150.0	H	74.0	11.8
4904.000000	50.83	---	74.00	23.17	150.0	H	321.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

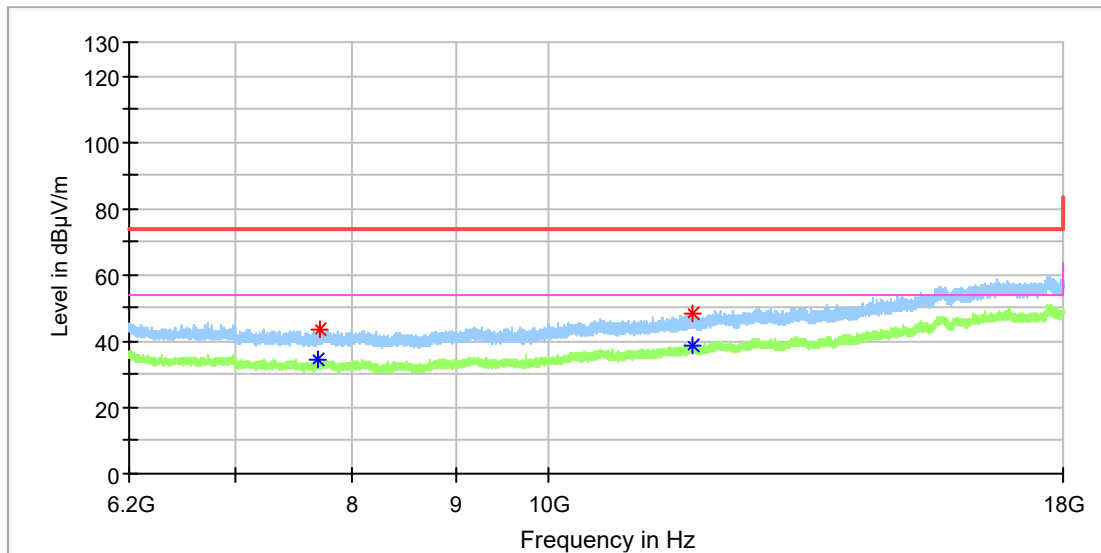
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4903.500000	50.94	---	74.00	23.06	150.0	V	318.0	11.8
4909.500000	---	39.53	54.00	14.47	150.0	V	100.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

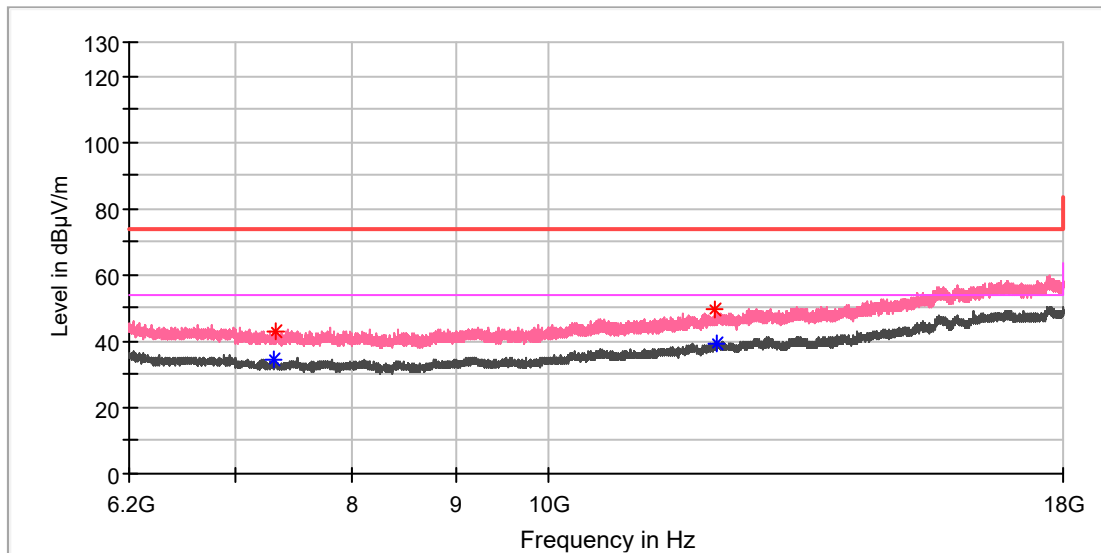
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7685.325000	---	34.71	54.00	19.29	150.0	H	195.0	8.6
7702.041667	43.31	---	74.00	30.69	150.0	H	170.0	8.7
11786.808333	48.14	---	74.00	25.86	150.0	H	146.0	13.4
11796.150000	---	38.93	54.00	15.07	150.0	H	255.0	13.4

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11n20_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

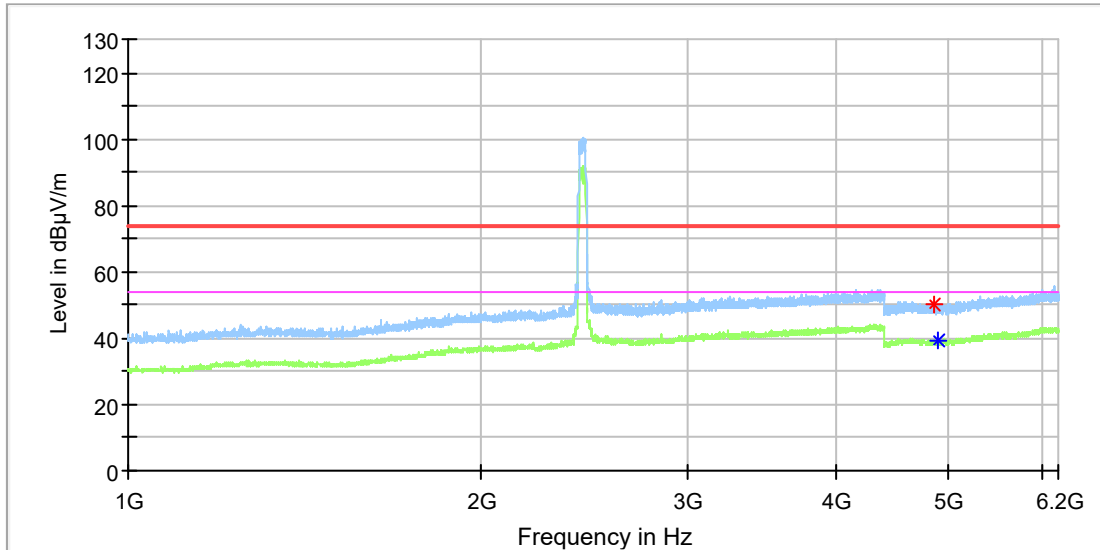
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7304.775000	---	34.61	54.00	19.39	150.0	V	3.0	8.3
7328.866667	43.13	---	74.00	30.87	150.0	V	88.0	8.1
12091.150000	49.67	---	74.00	24.33	150.0	V	88.0	14.1
12115.241667	---	39.52	54.00	14.48	150.0	V	3.0	14.2

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: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

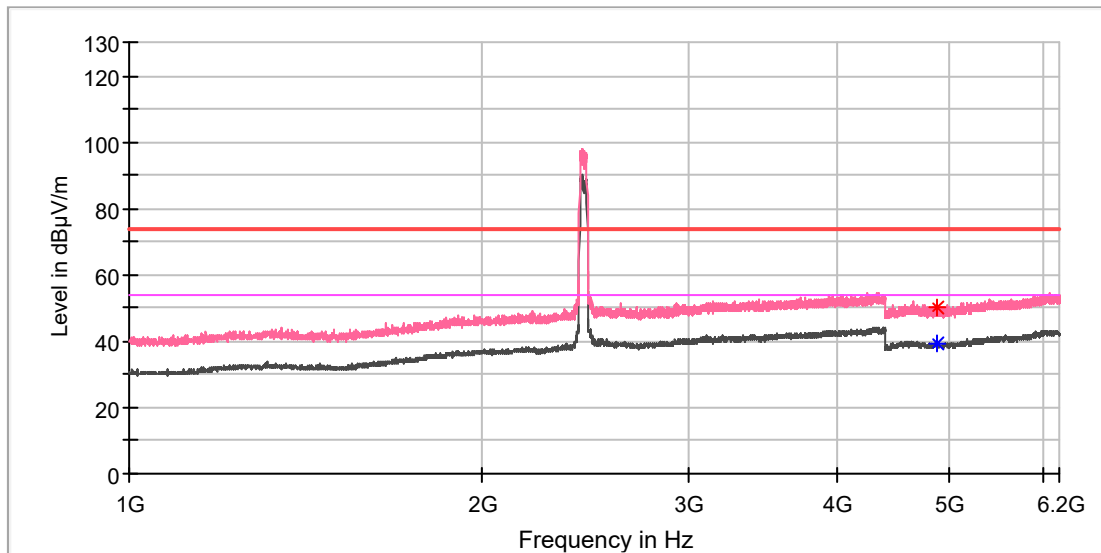
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4855.500000	50.36	---	74.00	23.64	150.0	H	155.0	11.8
4894.500000	---	39.18	54.00	14.82	150.0	H	277.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

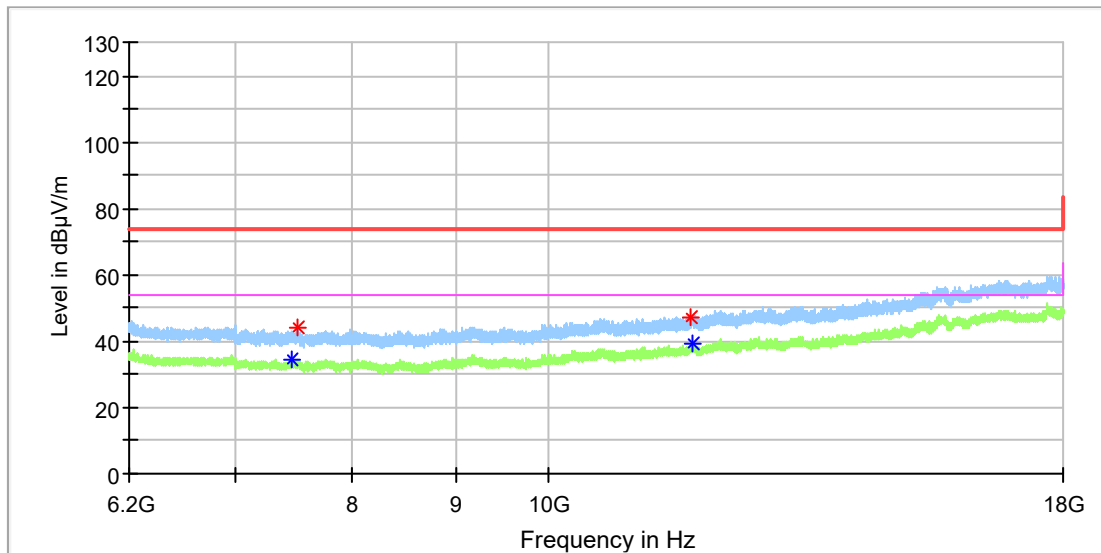
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4870.000000	50.08	---	74.00	23.92	150.0	V	0.0	11.8
4871.500000	---	39.11	54.00	14.89	150.0	V	248.0	11.8

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: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

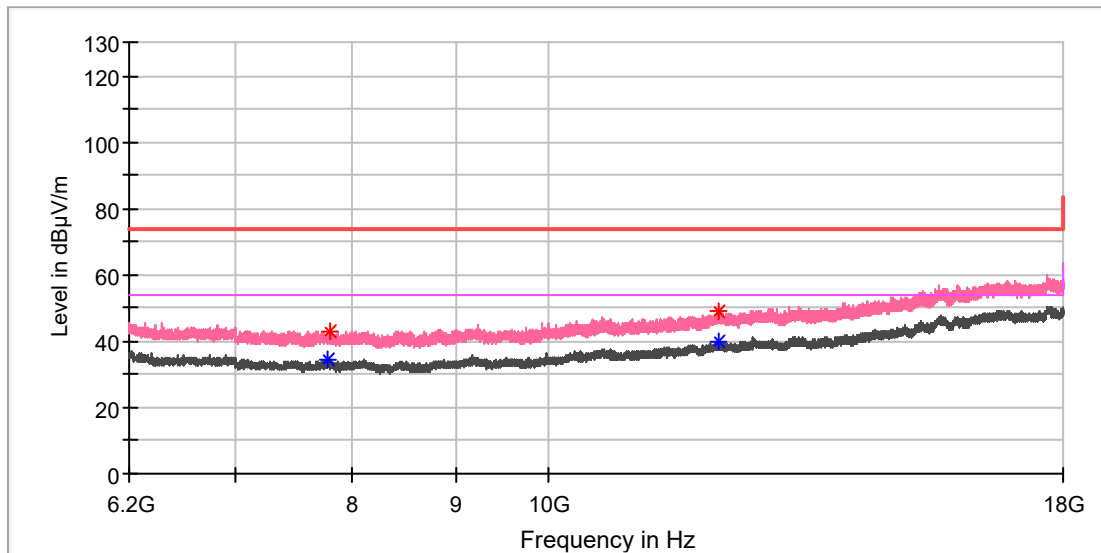
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7464.566667	---	34.33	54.00	19.67	150.0	H	32.0	8.6
7512.750000	44.10	---	74.00	29.90	150.0	H	20.0	8.7
11756.325000	47.29	---	74.00	26.71	150.0	H	290.0	13.3
11783.858333	---	39.30	54.00	14.70	150.0	H	263.0	13.4

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch6
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

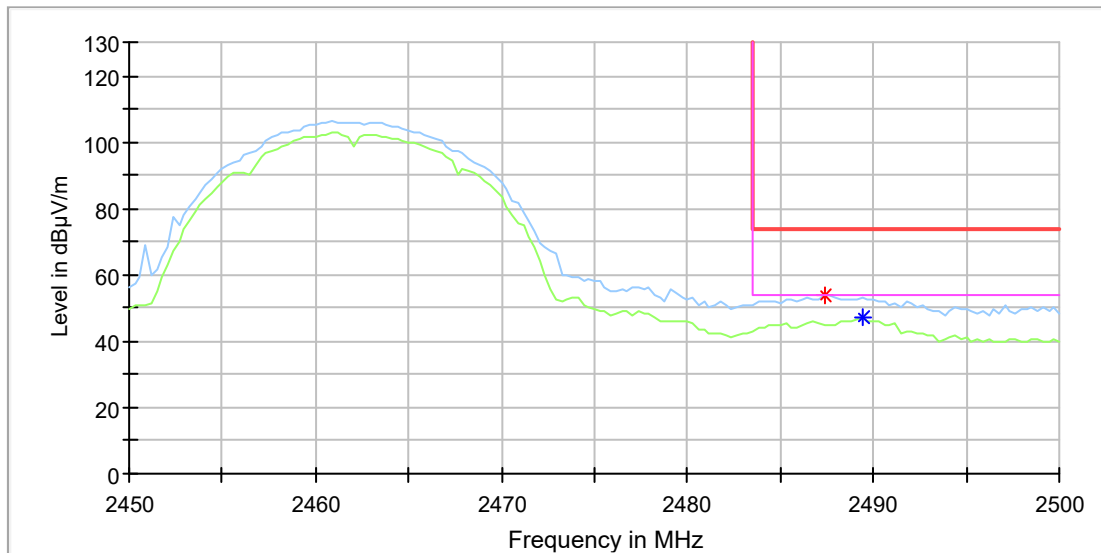
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7769.400000	---	34.51	54.00	19.49	150.0	V	296.0	8.9
7790.050000	42.95	---	74.00	31.05	150.0	V	296.0	8.9
12143.758333	---	39.99	54.00	14.01	150.0	V	0.0	14.4
12154.083333	49.02	---	74.00	24.98	150.0	V	0.0	14.4

Final Result

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

EUT Name:	Robotic Vacuum Cleaner
Model:	QR1PES
Test Mode:	WIFI 2.4G_11b_Ch11
Order No/Sample No:	168442340/A003571500-001
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)
2487.352941	53.91	---	74.00	20.09	150.0	H	338.0	7.4
2489.411765	---	47.14	54.00	6.86	150.0	H	329.0	7.4

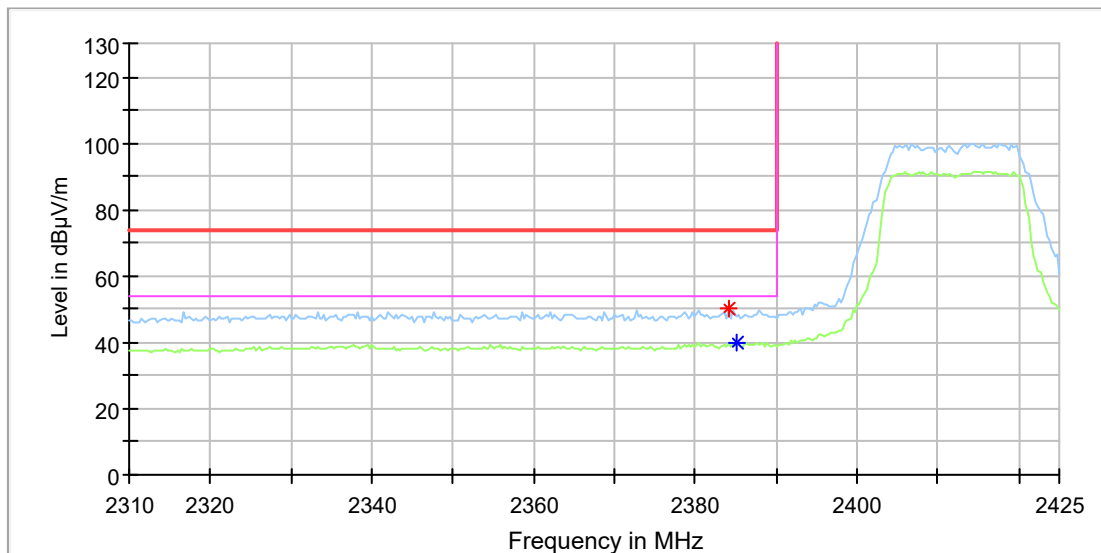
Final Result

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

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11g_Ch1
 Order No/Sample No: 168442340/A003571500-001
 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)
2384.117647	50.00	---	74.00	24.00	150.0	H	357.0	7.0
2385.000000	---	39.93	54.00	14.07	150.0	H	337.0	7.0

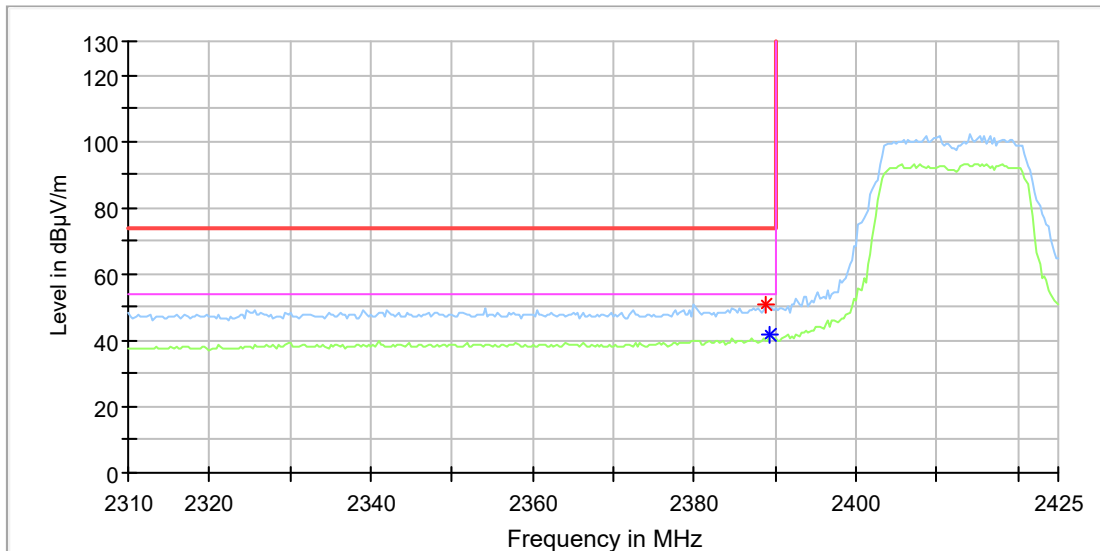
Final Result

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

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11n20_Ch1
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

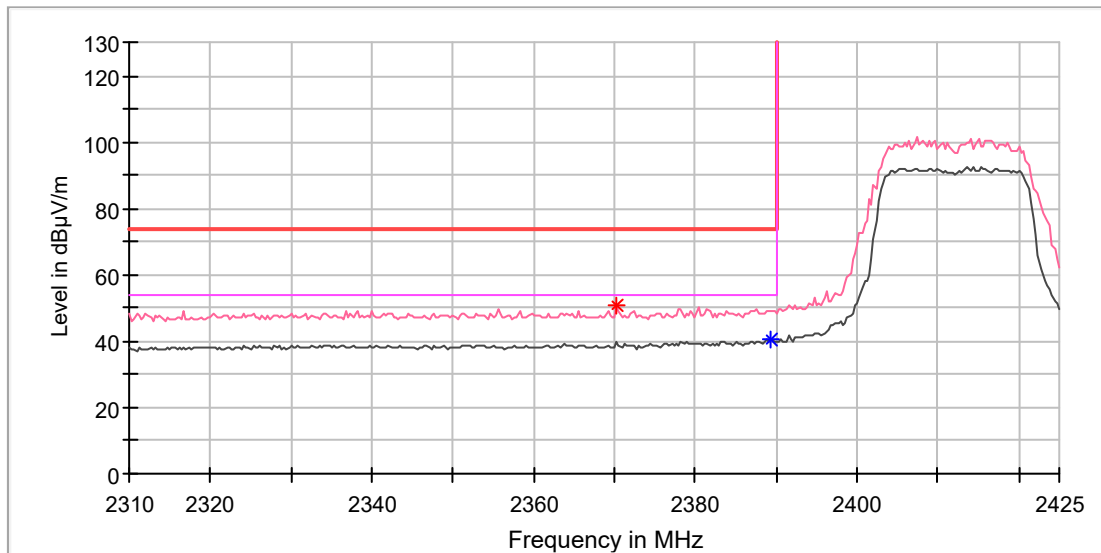
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.823529	50.72	---	74.00	23.28	150.0	H	0.0	7.0
2389.411765	---	41.52	54.00	12.48	150.0	H	337.0	7.0

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:	QR1PES
Test Mode:	WIFI 2.4G_11n20_Ch1
Order No/Sample No:	168442340/A003571500-001
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)
2370.294118	50.87	---	74.00	23.13	150.0	V	26.0	6.9
2389.411765	---	40.75	54.00	13.25	150.0	V	186.0	7.0

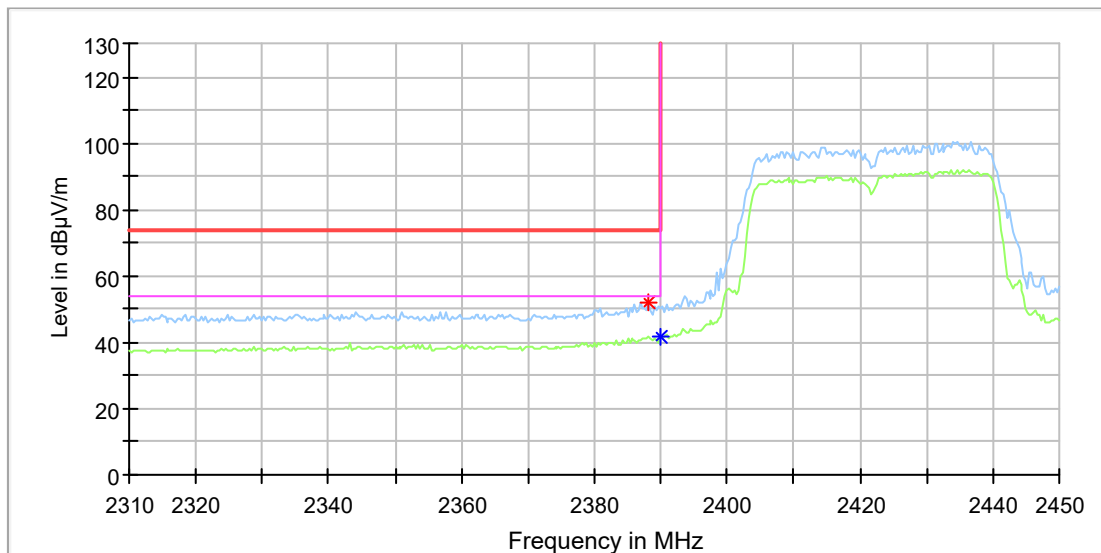
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Wi-Fi 802.11 n(HT40) mode

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch3
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

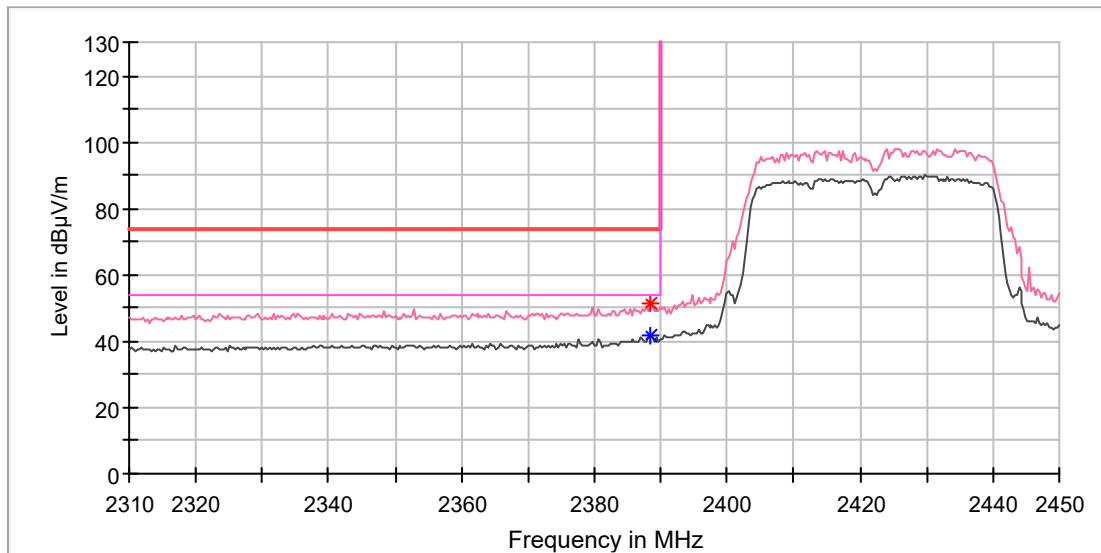
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.235294	51.99	---	74.00	22.01	150.0	H	337.0	7.0
2390.000000	---	42.01	54.00	11.99	150.0	H	353.0	7.0

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:	QR1PES
Test Mode:	WIFI 2.4G_11n40_Ch3
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

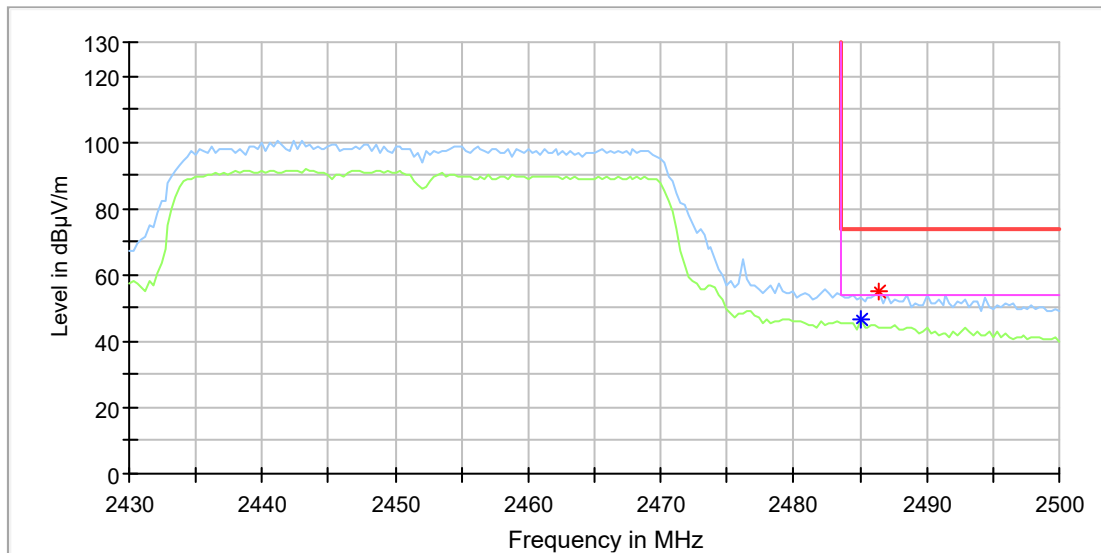
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.529412	---	41.77	54.00	12.23	150.0	V	25.0	7.0
2388.529412	51.12	---	74.00	22.88	150.0	V	25.0	7.0

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: QR1PES
 Test Mode: WIFI 2.4G_11n40_Ch9
 Order No/Sample No: 168442340/A003571500-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

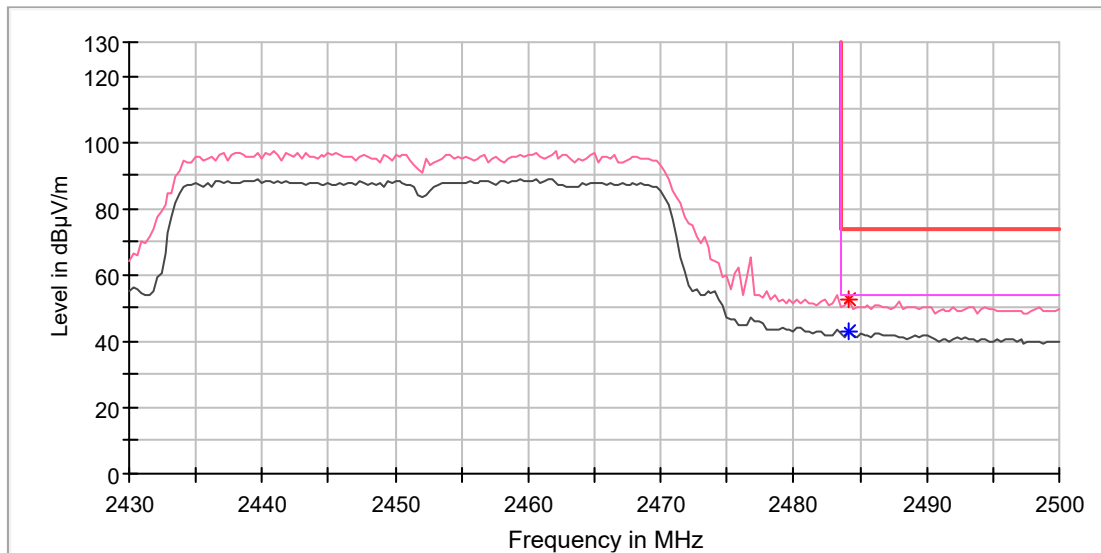
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.000000	---	46.44	54.00	7.56	150.0	H	329.0	7.4
2486.470588	54.76	---	74.00	19.24	150.0	H	329.0	7.4

Final Result

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

EUT Name:	Robotic Vacuum Cleaner
Model:	QR1PES
Test Mode:	WIFI 2.4G_11n40_Ch9
Order No/Sample No:	168442340/A003571500-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	---	42.69	54.00	11.31	150.0	V	180.0	7.4
2484.117647	52.64	---	74.00	21.36	150.0	V	180.0	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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