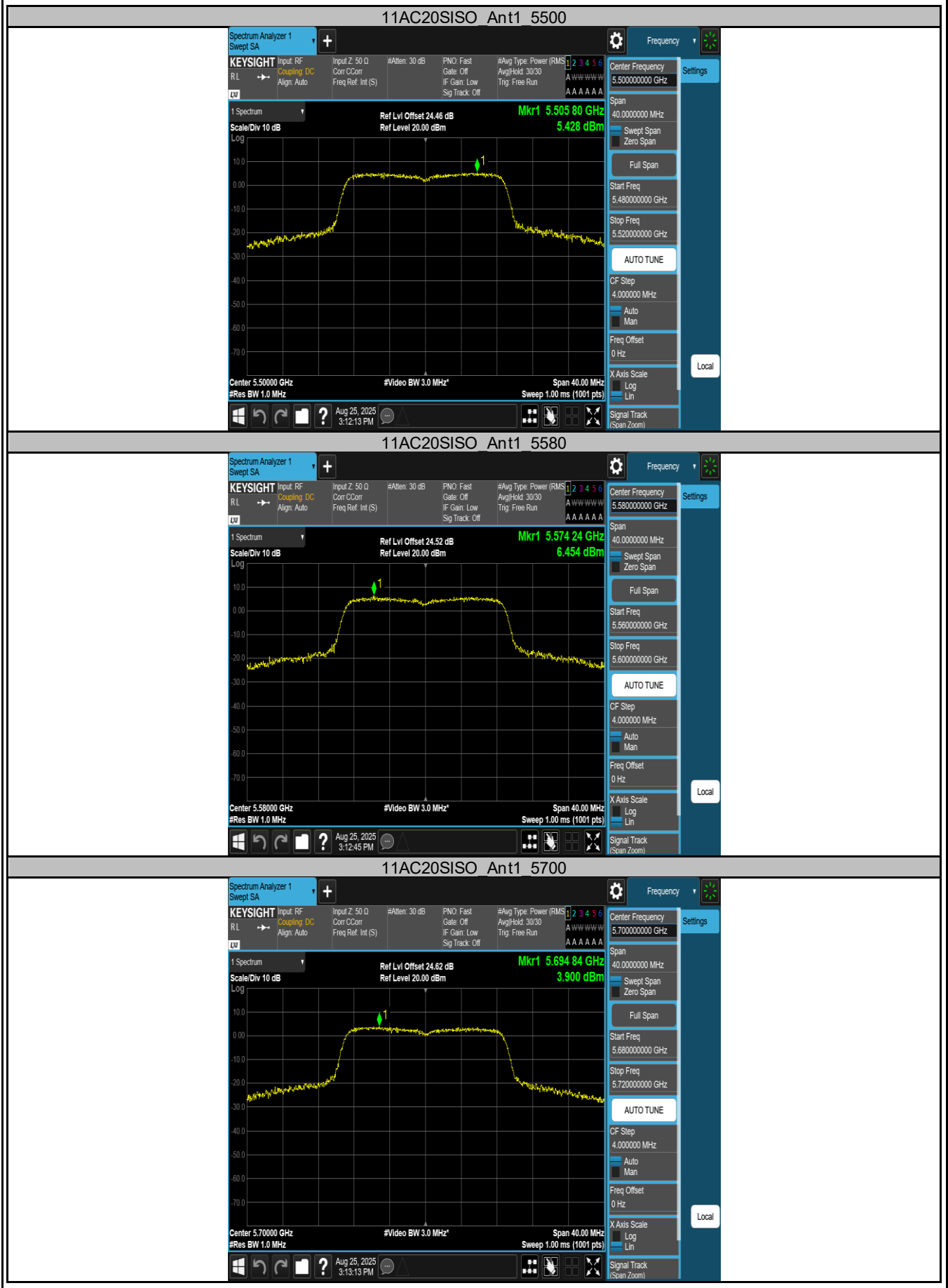
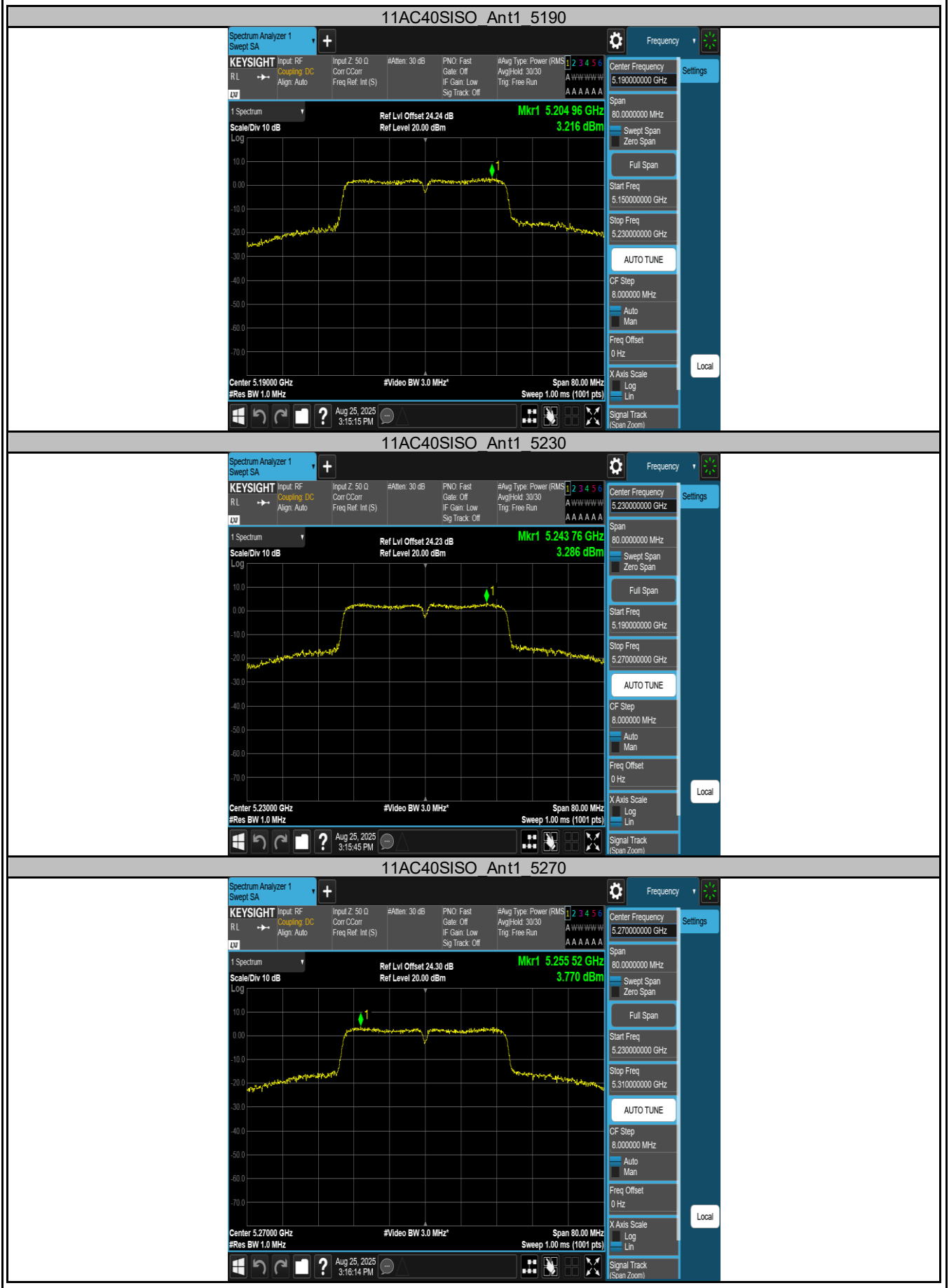




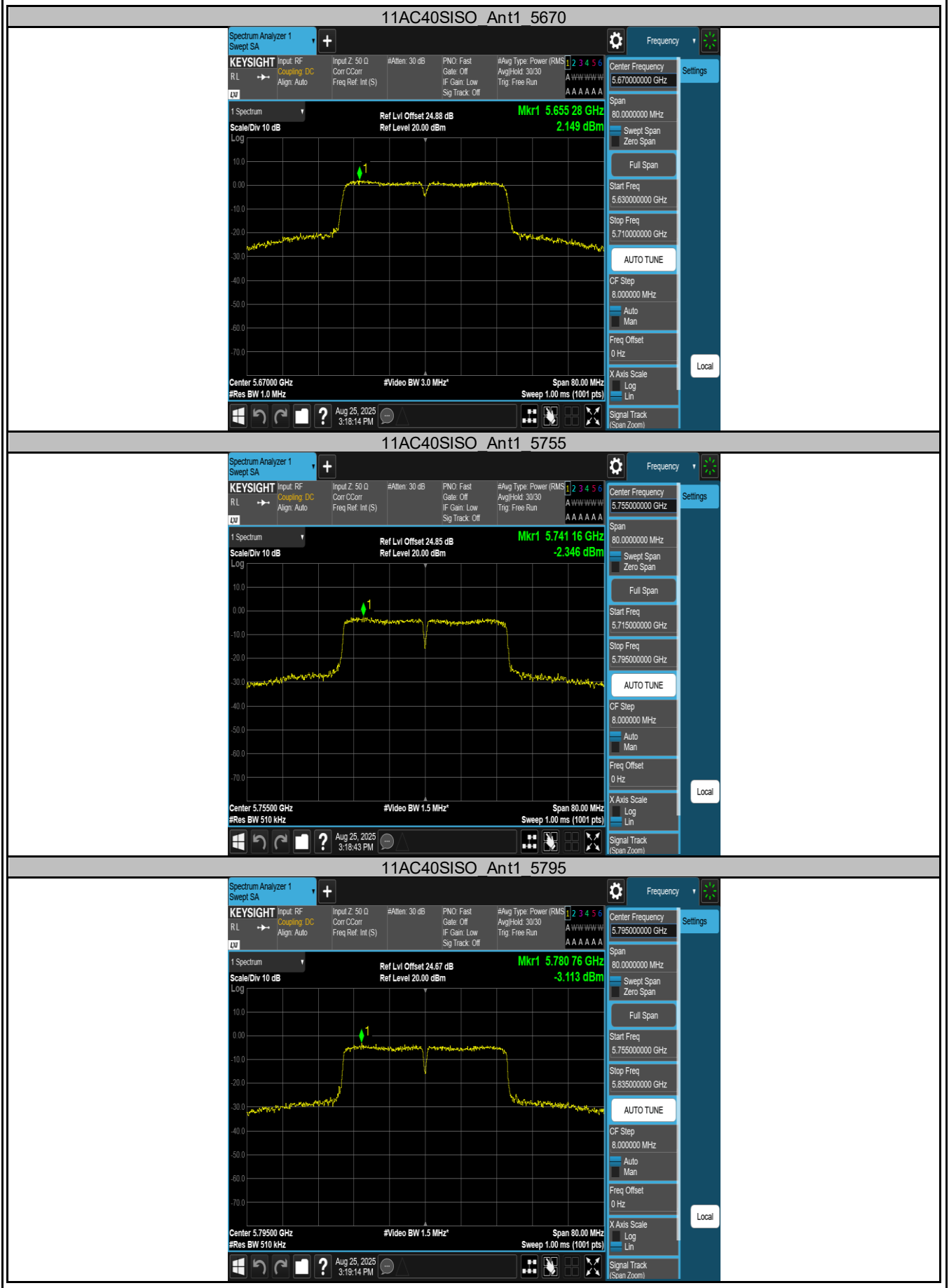


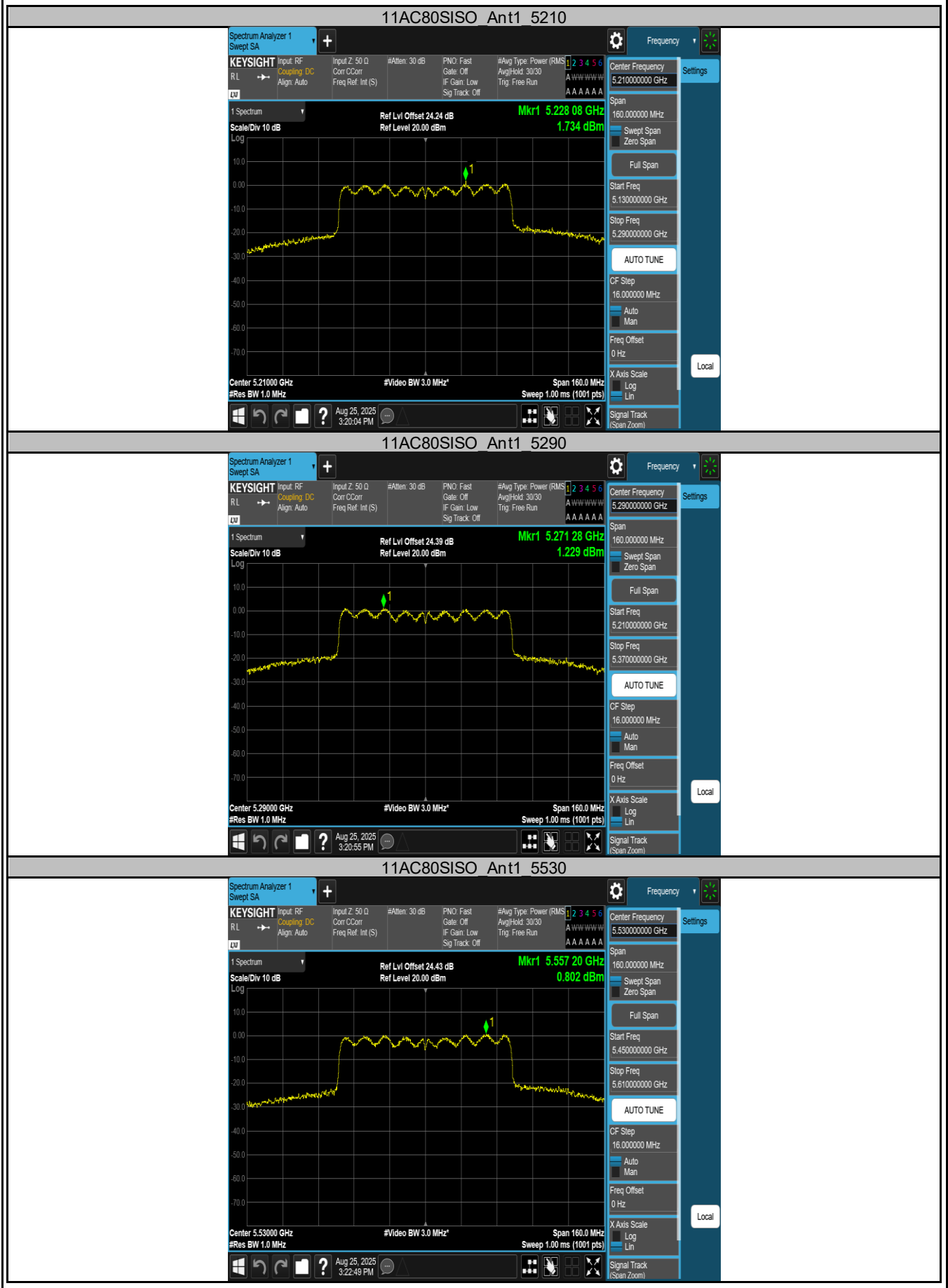














Appendix A.6: Test Results of Frequency Stability

Test Result

TestMode	Antenna	Channel	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)				
11AC20SISO	Ant1	5180	NV	NT	-61000.00	-11.776062	20	PASS
			LV	NT	-61000.00	-11.776062	20	PASS
			HV	NT	-60500.00	-11.679537	20	PASS
		5200	NV	NT	-61000.00	-11.730769	20	PASS
			LV	NT	-60000.00	-11.538462	20	PASS
			HV	NT	-59500.00	-11.442308	20	PASS
		5240	NV	NT	-60500.00	-11.545802	20	PASS
			LV	NT	-59000.00	-11.259542	20	PASS
			HV	NT	-59000.00	-11.259542	20	PASS
		5260	NV	NT	-59000.00	-11.216730	20	PASS
			LV	NT	-58500.00	-11.121673	20	PASS
			HV	NT	-58000.00	-11.026616	20	PASS
		5280	NV	NT	-58000.00	-10.984848	20	PASS
			LV	NT	-58000.00	-10.984848	20	PASS
			HV	NT	-58000.00	-10.984848	20	PASS
		5320	NV	NT	-59500.00	-11.184211	20	PASS
			LV	NT	-58000.00	-10.902256	20	PASS
			HV	NT	-57500.00	-10.808271	20	PASS
		5500	NV	NT	-59500.00	-10.818182	20	PASS
			LV	NT	-59500.00	-10.818182	20	PASS
			HV	NT	-59500.00	-10.818182	20	PASS
		5580	NV	NT	-61000.00	-10.931900	20	PASS
			LV	NT	-60500.00	-10.842294	20	PASS
			HV	NT	-60000.00	-10.752688	20	PASS
		5700	NV	NT	-61000.00	-10.701754	20	PASS
			LV	NT	-61000.00	-10.701754	20	PASS
			HV	NT	-61000.00	-10.701754	20	PASS
		5745	NV	NT	-65000.00	-11.314186	20	PASS
			LV	NT	-61000.00	-10.617929	20	PASS
			HV	NT	-60500.00	-10.530896	20	PASS
		5785	NV	NT	-64000.00	-11.063094	20	PASS
			LV	NT	-61000.00	-10.544512	20	PASS
			HV	NT	-60500.00	-10.458081	20	PASS
		5825	NV	NT	-64000.00	-10.987124	20	PASS
			LV	NT	-61500.00	-10.557940	20	PASS
			HV	NT	-61000.00	-10.472103	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SISO	Ant1	5180	NV	0	-60000.00	-11.583012	20	PASS
			NV	40	-60000.00	-11.583012	20	PASS
		5200	NV	0	-59000.00	-11.346154	20	PASS
			NV	40	-59000.00	-11.346154	20	PASS
		5240	NV	0	-58500.00	-11.164122	20	PASS
			NV	40	-58500.00	-11.164122	20	PASS
		5260	NV	0	-58000.00	-11.026616	20	PASS
			NV	40	-58000.00	-11.026616	20	PASS
		5280	NV	0	-58000.00	-10.984848	20	PASS
			NV	40	-58000.00	-10.984848	20	PASS
		5320	NV	0	-57500.00	-10.808271	20	PASS
			NV	40	-57500.00	-10.808271	20	PASS
		5500	NV	0	-59500.00	-10.818182	20	PASS
			NV	40	-60000.00	-10.909091	20	PASS
		5580	NV	0	-60500.00	-10.842294	20	PASS
			NV	40	-60000.00	-10.752688	20	PASS
		5700	NV	0	-60500.00	-10.614035	20	PASS
			NV	40	-61000.00	-10.701754	20	PASS
		5745	NV	0	-60500.00	-10.530896	20	PASS
			NV	40	-60500.00	-10.530896	20	PASS
		5785	NV	0	-60500.00	-10.458081	20	PASS
			NV	40	-60500.00	-10.458081	20	PASS
		5825	NV	0	-61000.00	-10.472103	20	PASS
			NV	40	-61000.00	-10.472103	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

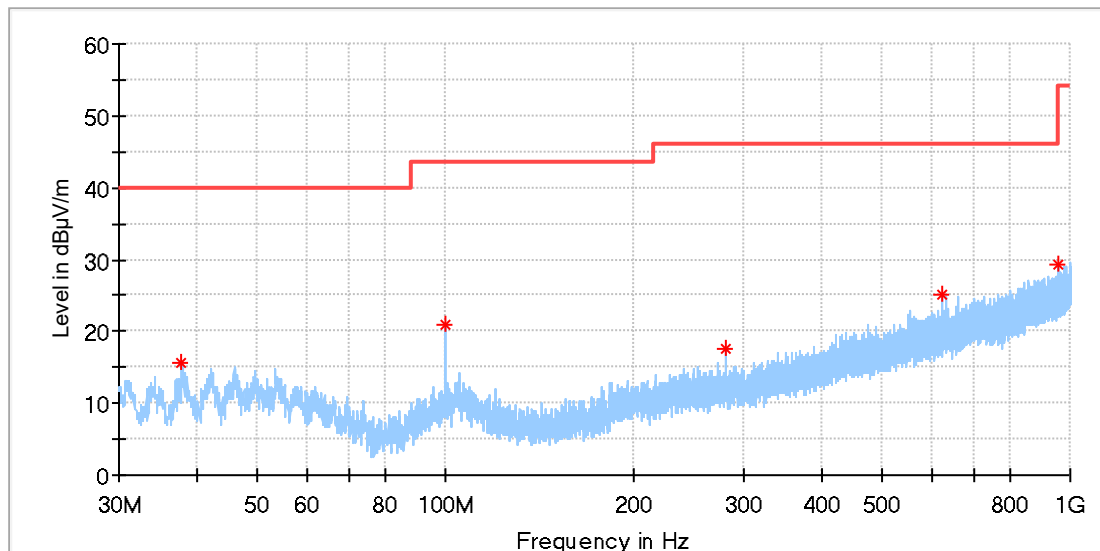
Note:

- 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

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

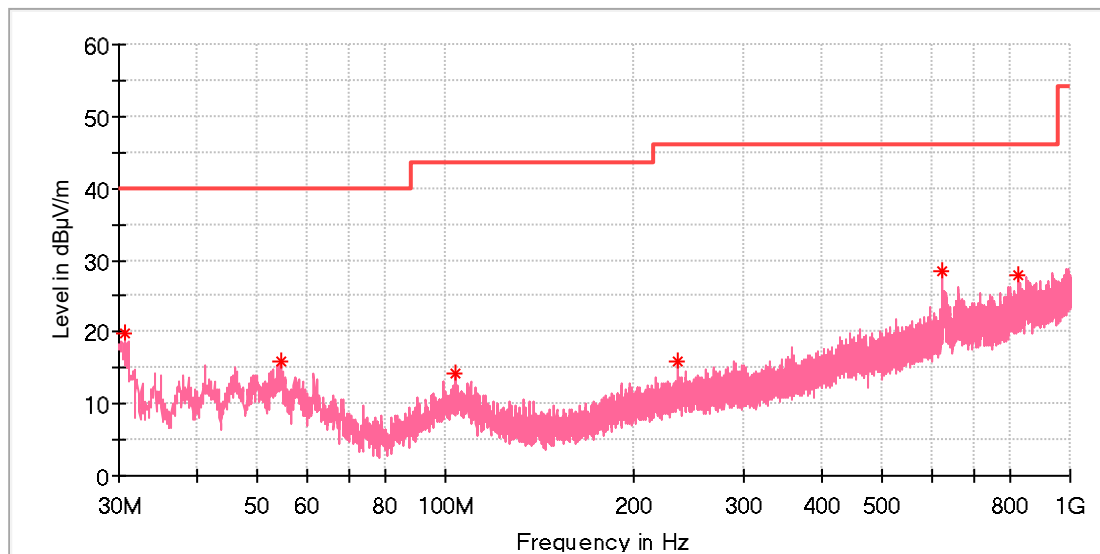
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.834615	15.52	40.00	24.48	100.0	H	101.0	-20.9
100.063846	20.82	43.50	22.68	100.0	H	30.0	-19.1
280.745000	17.59	46.00	28.41	100.0	H	274.0	-16.7
625.020385	25.21	46.00	20.79	100.0	H	254.0	-9.2
958.215385	29.44	46.00	16.56	100.0	H	237.0	-4.2

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11a_Ch48
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 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)
30.671539	19.68	40.00	20.32	100.0	V	349.0	-22.9
54.660385	16.03	40.00	23.97	100.0	V	312.0	-18.5
103.981154	14.13	43.50	29.37	100.0	V	28.0	-18.9
234.856539	15.94	46.00	30.06	100.0	V	50.0	-17.9
625.020385	28.50	46.00	17.50	100.0	V	214.0	-9.2
827.004231	27.78	46.00	18.22	100.0	V	146.0	-5.7

Final_Result

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

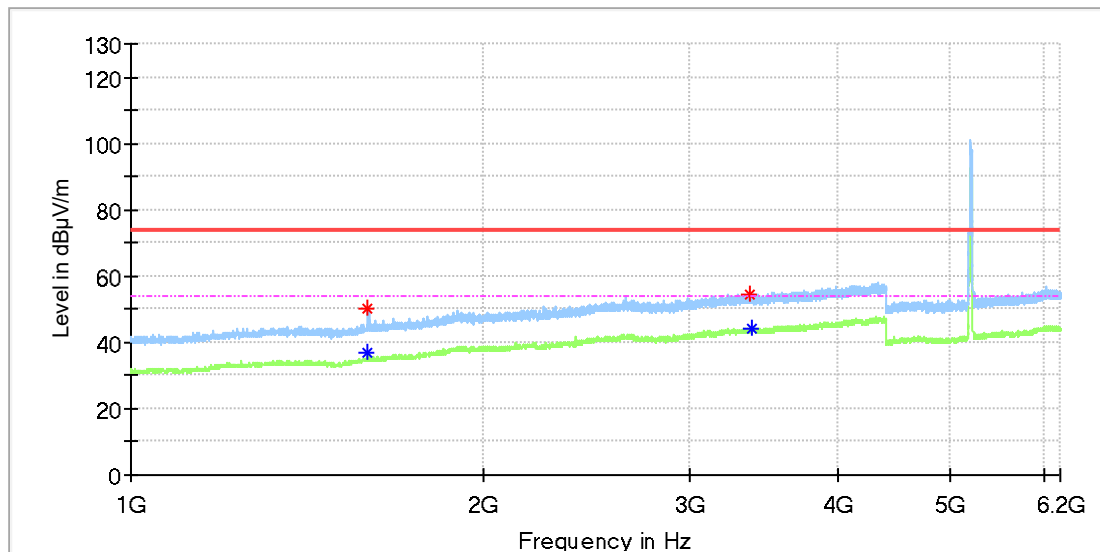
1GHz - 18GHz

Note: The highest waveform in the figure is 5GHz Wi-Fi Fundamental.

U-NII-1 Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch40
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

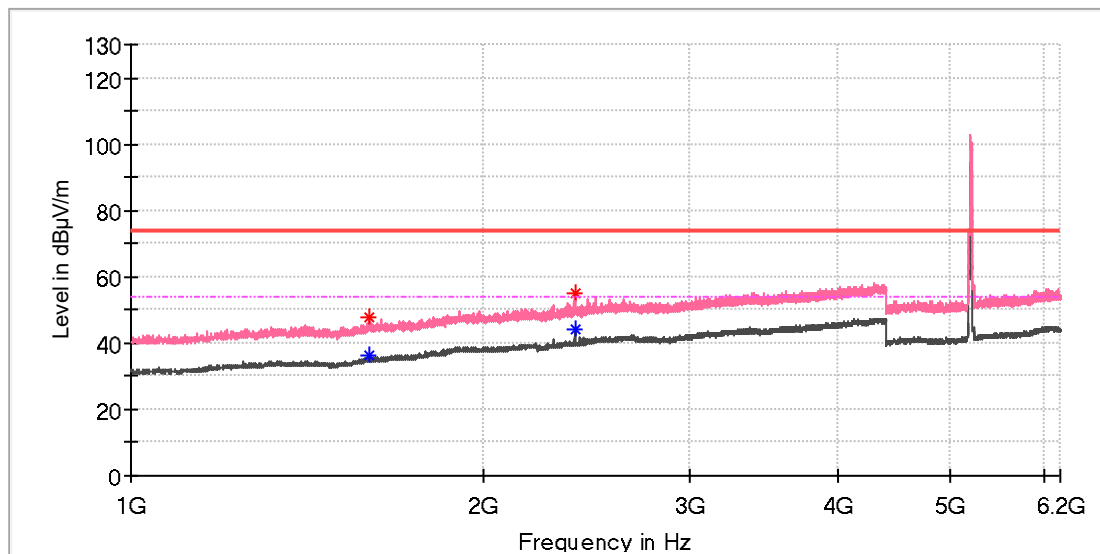
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.500000	---	37.11	54.00	16.89	150.0	H	255.0	3.8
1593.500000	50.28	---	74.00	23.72	150.0	H	255.0	3.8
3374.000000	54.39	---	74.00	19.61	150.0	H	122.0	11.0
3383.000000	---	44.30	54.00	9.70	150.0	H	92.0	11.1

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

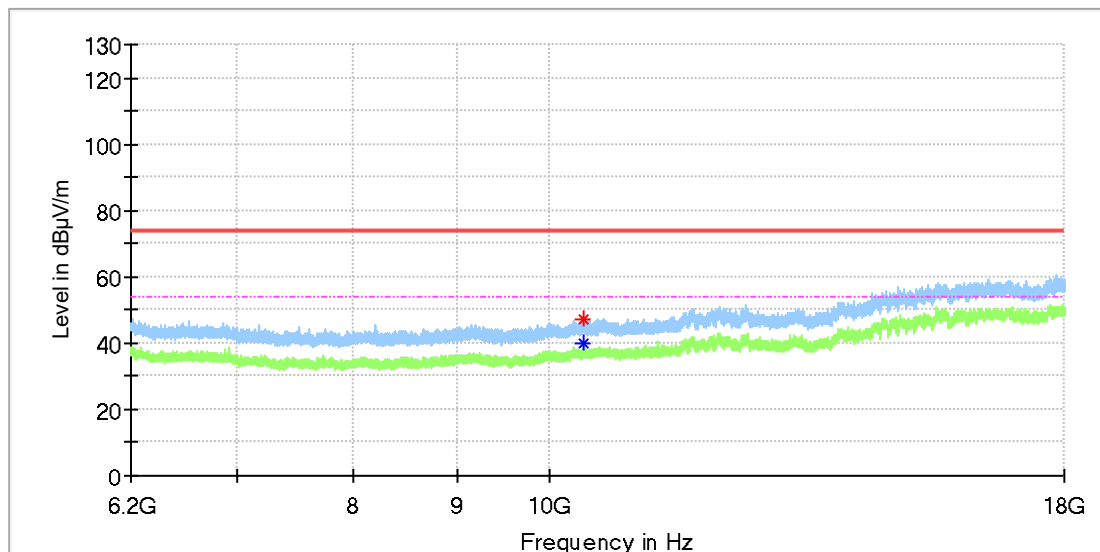
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.000000	47.74	---	74.00	26.26	150.0	V	80.0	3.8
1596.000000	---	36.52	54.00	17.48	150.0	V	80.0	3.8
2393.000000	---	44.14	54.00	9.86	150.0	V	272.0	8.5
2394.500000	55.31	---	74.00	18.69	150.0	V	259.0	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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

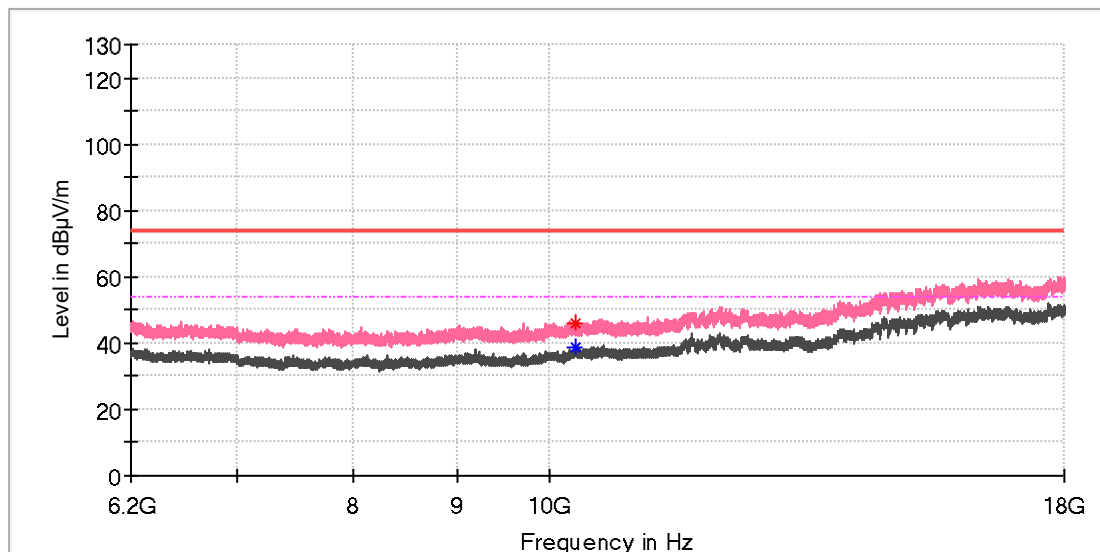
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
10391.458333	---	39.67	54.00	14.33	150.0	H	241.0	11.9
10397.850000	47.42	---	74.00	26.58	150.0	H	307.0	11.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch40
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
10298.533333	46.20	---	74.00	27.80	150.0	V	42.0	11.6
10299.516667	---	38.73	54.00	15.27	150.0	V	185.0	11.6

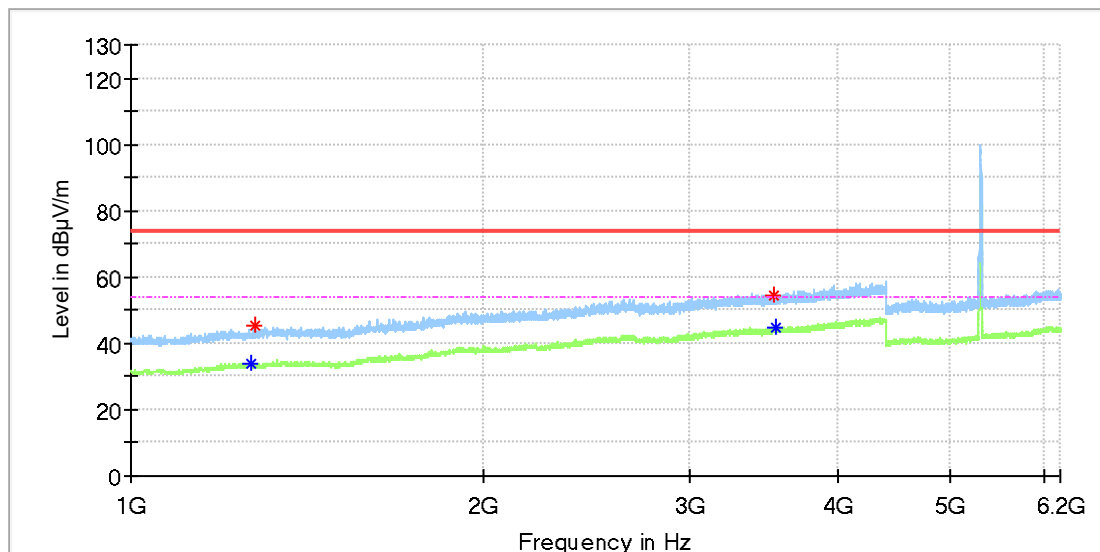
Final Result

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

U-NII-2A Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch60
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

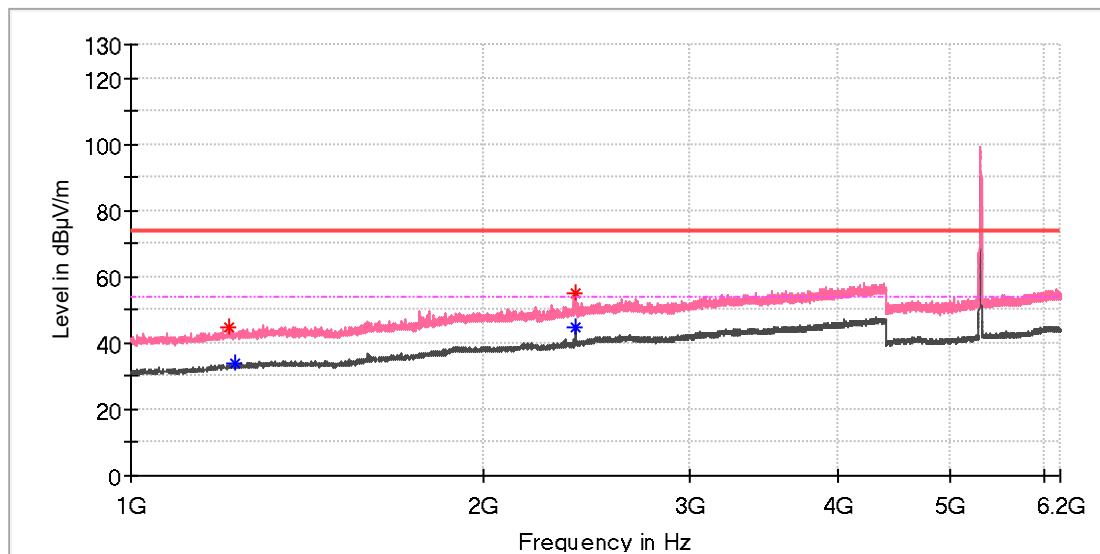
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1267.500000	---	33.99	54.00	20.01	150.0	H	96.0	2.7
1274.000000	45.11	---	74.00	28.89	150.0	H	311.0	2.7
3535.000000	54.70	---	74.00	19.30	150.0	H	303.0	11.4
3543.000000	---	44.65	54.00	9.35	150.0	H	240.0	11.5

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11a_Ch60
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

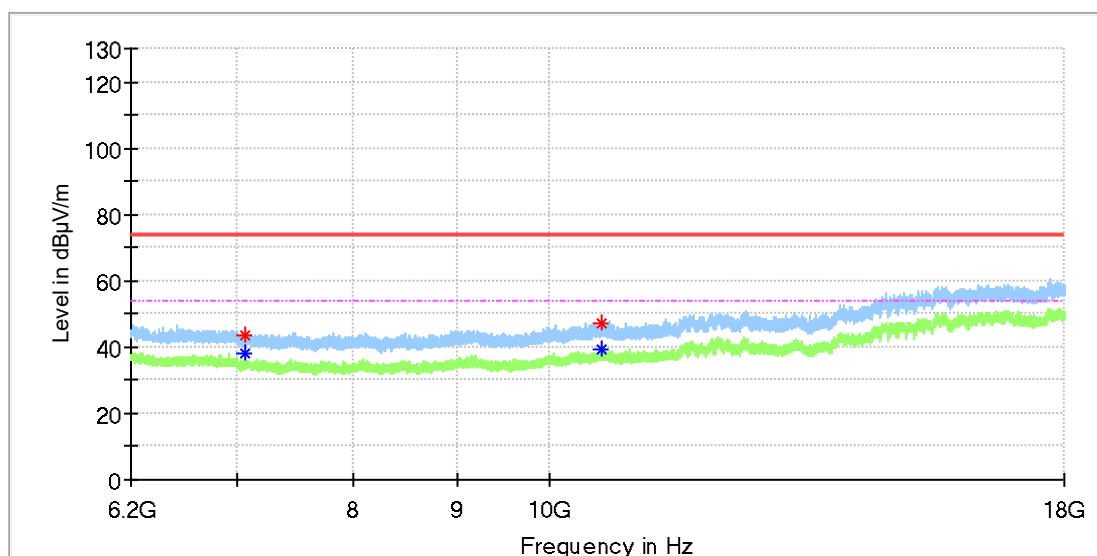
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1214.500000	44.96	---	74.00	29.04	150.0	V	181.0	2.0
1228.000000	---	33.88	54.00	20.12	150.0	V	232.0	2.3
2391.000000	55.01	---	74.00	18.99	150.0	V	263.0	8.5
2394.000000	---	44.94	54.00	9.06	150.0	V	271.0	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: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11a_Ch60
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

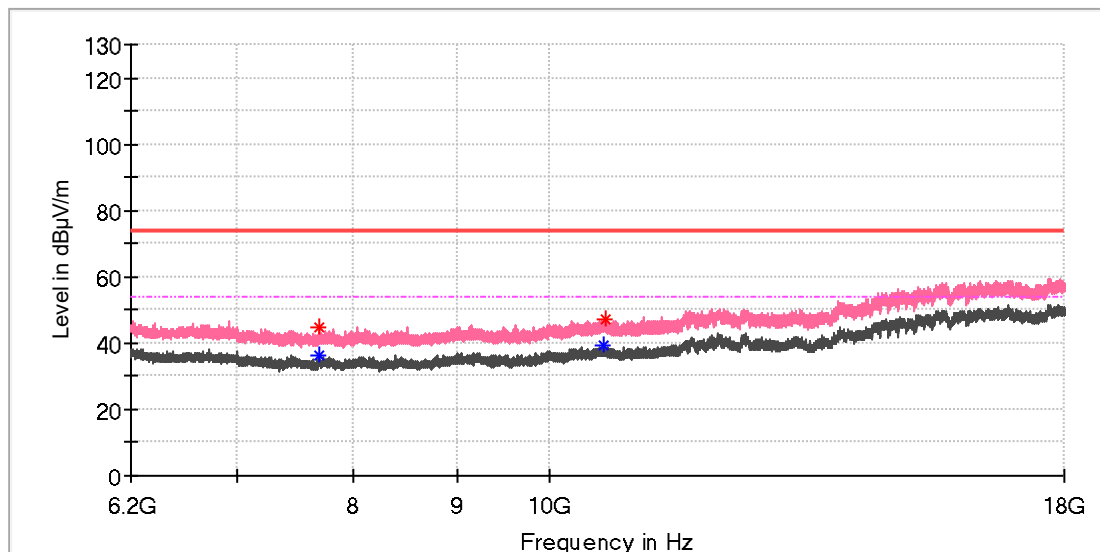
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7066.316667	---	38.07	54.00	15.93	150.0	H	252.0	8.5
7067.300000	43.64	---	74.00	30.36	150.0	H	330.0	8.5
10604.350000	---	39.10	54.00	14.90	150.0	H	319.0	12.1
10612.708333	47.22	---	74.00	26.78	150.0	H	359.0	12.0

Final_Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch60
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
7693.683333	44.54	---	74.00	29.46	150.0	V	205.0	8.7
7693.683333	---	36.56	54.00	17.44	150.0	V	205.0	8.7
10636.308333	---	39.34	54.00	14.66	150.0	V	162.0	12.0
10664.333333	46.88	---	74.00	27.12	150.0	V	218.0	11.9

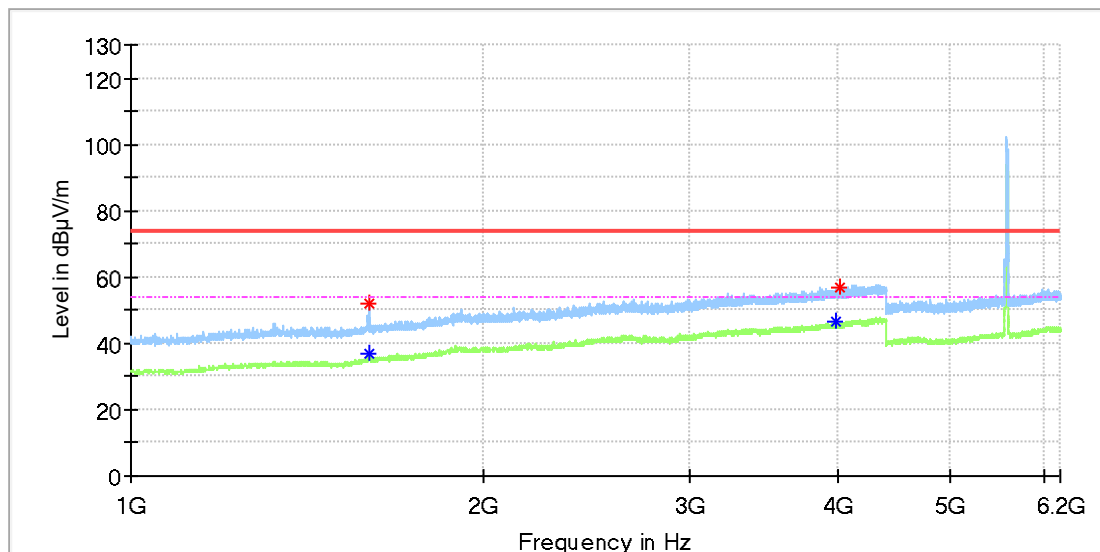
Final_Result

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

U-NII-2C Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

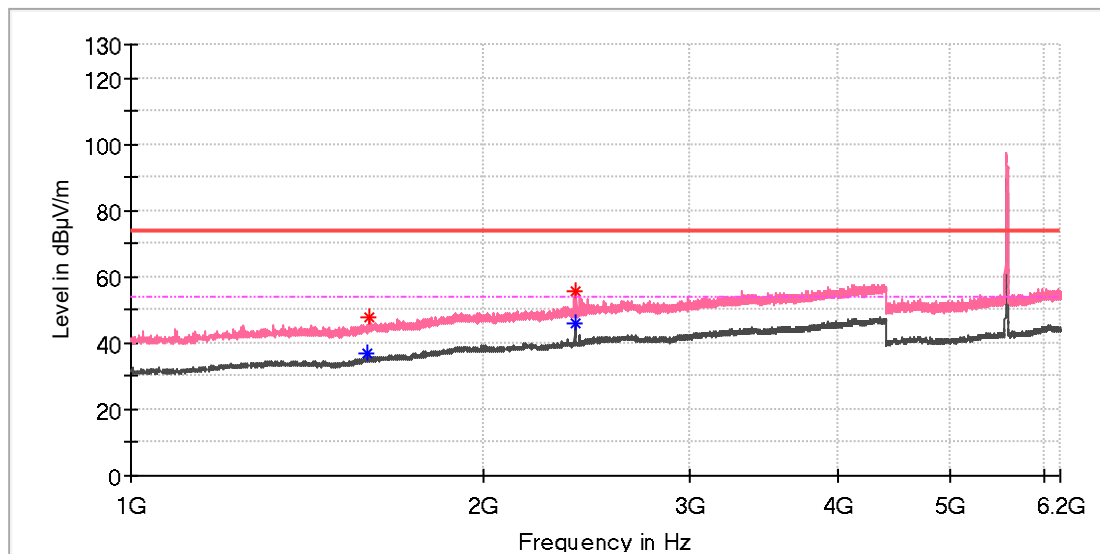
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.000000	51.84	---	74.00	22.16	150.0	H	318.0	3.8
1596.000000	---	36.92	54.00	17.08	150.0	H	318.0	3.8
3987.500000	---	46.29	54.00	7.71	150.0	H	261.0	13.0
4026.000000	56.55	---	74.00	17.45	150.0	H	261.0	13.1

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch116
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

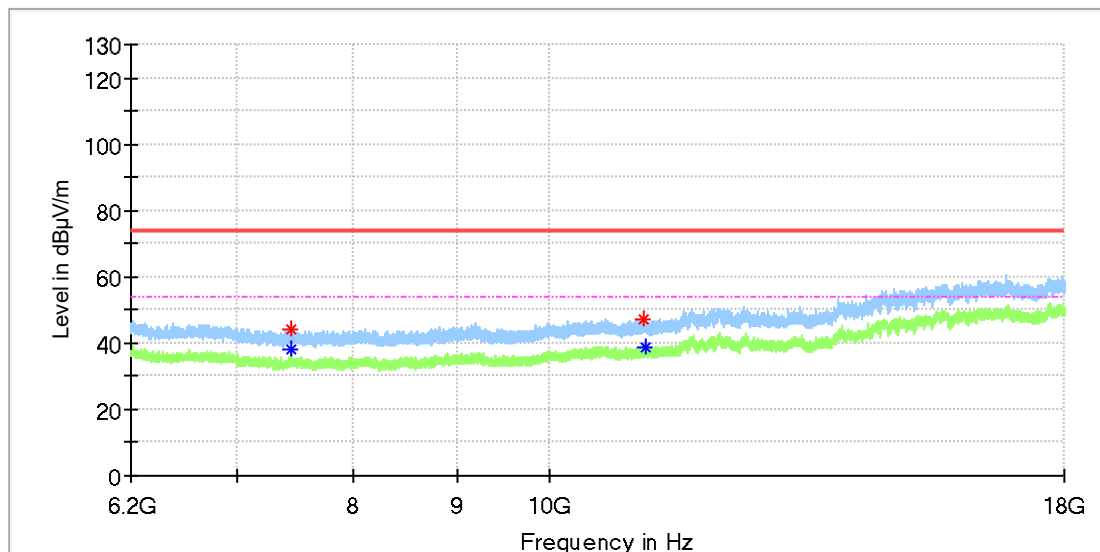
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.500000	---	37.00	54.00	17.00	150.0	V	69.0	3.8
1596.000000	47.47	---	74.00	26.53	150.0	V	172.0	3.8
2389.500000	55.50	---	74.00	18.50	150.0	V	262.0	8.5
2390.000000	---	45.82	54.00	8.18	150.0	V	262.0	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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch116
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

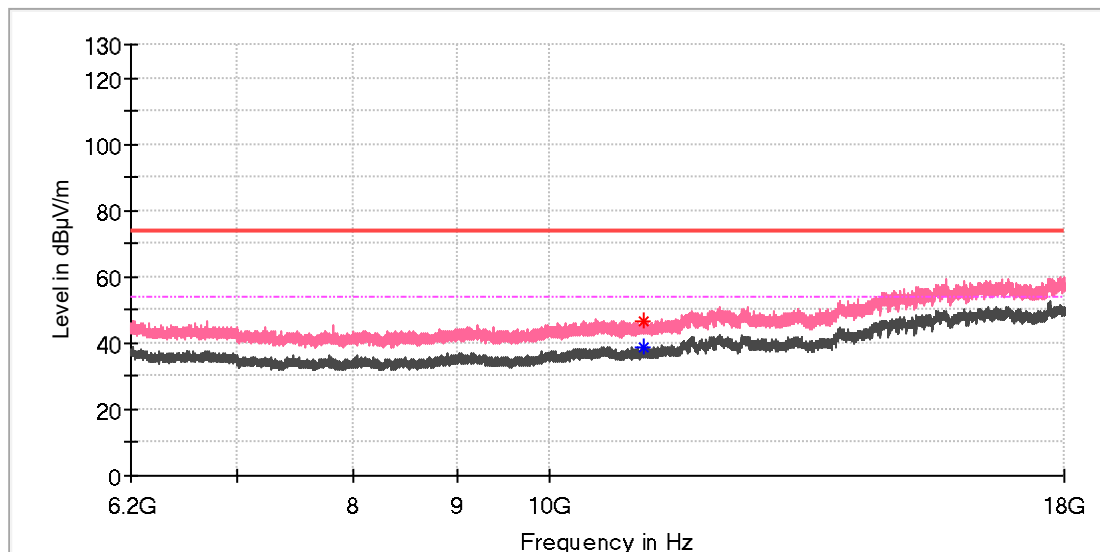
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	44.04	---	74.00	29.96	150.0	H	215.0	8.4
7439.983333	---	38.31	54.00	15.69	150.0	H	249.0	8.4
11142.233333	47.01	---	74.00	26.99	150.0	H	110.0	12.5
11169.275000	---	38.90	54.00	15.10	150.0	H	99.0	12.5

Final_Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch116
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
11130.925000	46.52	---	74.00	27.48	150.0	V	289.0	12.5
11132.400000	---	38.49	54.00	15.51	150.0	V	174.0	12.5

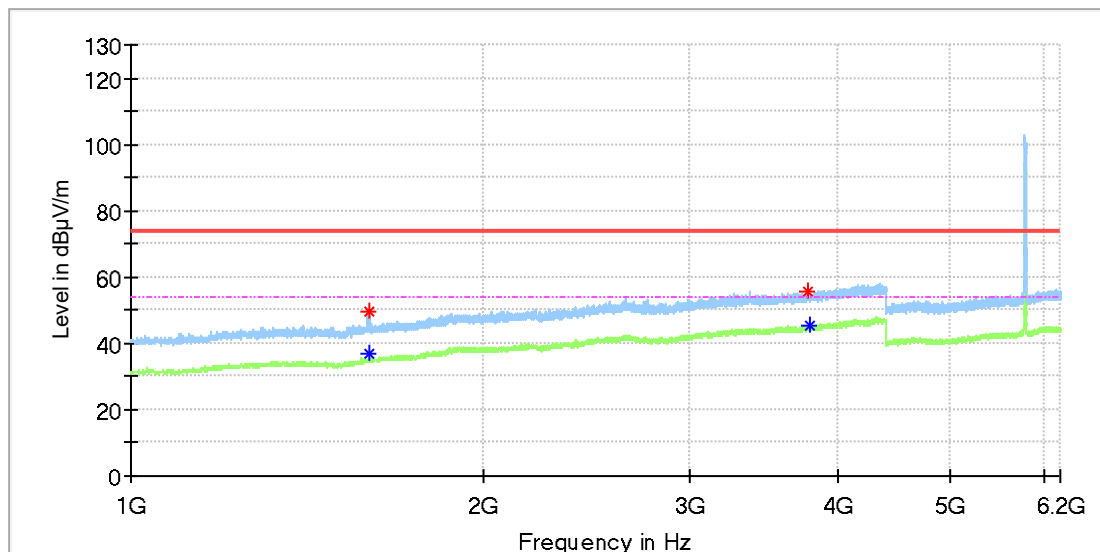
Final Result

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

U-NII-3 Band

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

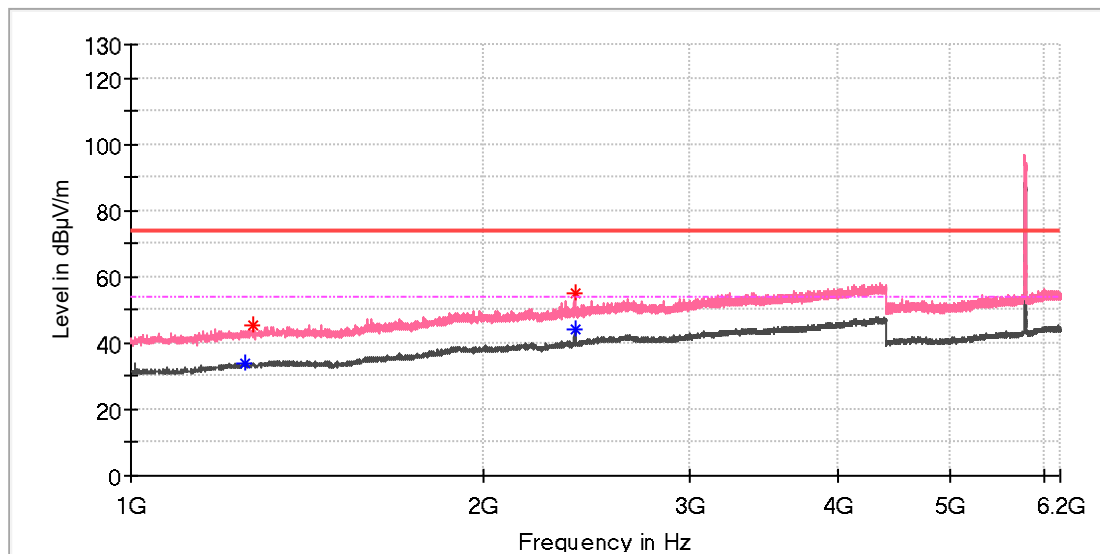
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.500000	49.86	---	74.00	24.14	150.0	H	325.0	3.8
1596.500000	---	36.93	54.00	17.07	150.0	H	325.0	3.8
3779.500000	55.78	---	74.00	18.22	150.0	H	220.0	12.3
3799.500000	---	45.45	54.00	8.55	150.0	H	357.0	12.4

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

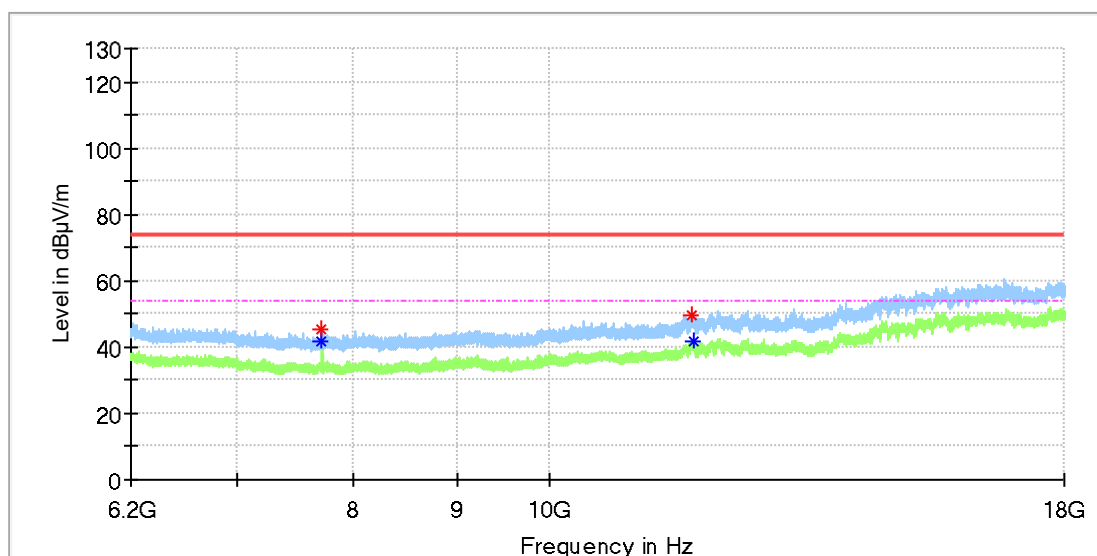
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1250.500000	---	33.83	54.00	20.17	150.0	V	80.0	2.6
1269.500000	45.35	---	74.00	28.66	150.0	V	302.0	2.7
2391.500000	55.06	---	74.00	18.94	150.0	V	267.0	8.5
2391.500000	---	44.27	54.00	9.73	150.0	V	267.0	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: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11a_Ch157
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

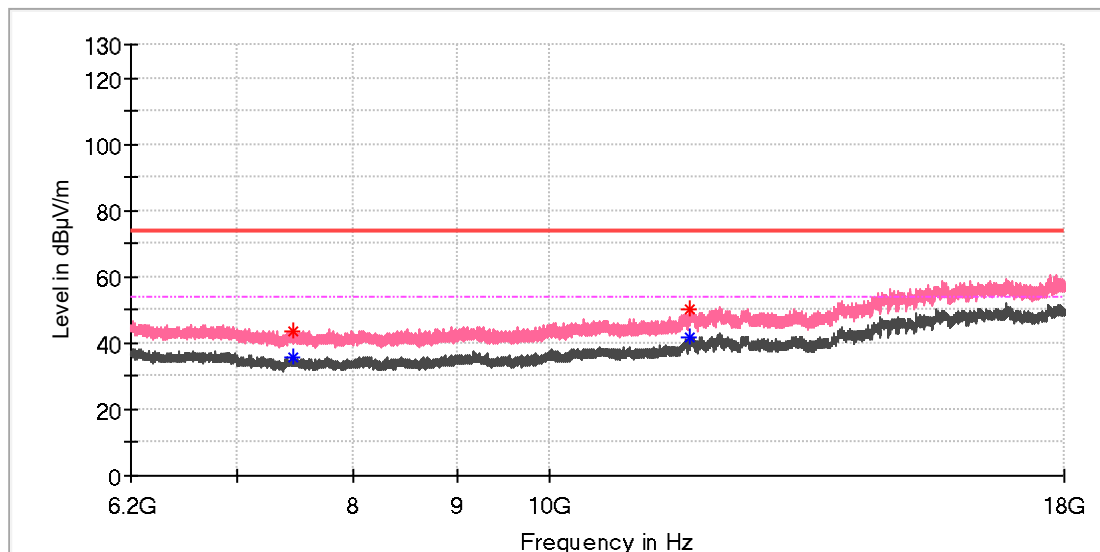
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7712.858333	45.19	---	74.00	28.81	150.0	H	249.0	8.7
7713.350000	---	41.78	54.00	12.22	150.0	H	249.0	8.7
11749.933333	49.83	---	74.00	24.17	150.0	H	59.0	15.5
11786.316667	---	41.74	54.00	12.26	150.0	H	0.0	15.0

Final_Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch157
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
7459.158333	---	35.77	54.00	18.23	150.0	V	39.0	8.5
7468.008333	43.63	---	74.00	30.37	150.0	V	1.0	8.6
11748.458333	50.04	---	74.00	23.96	150.0	V	39.0	15.4
11748.458333	---	41.53	54.00	12.47	150.0	V	39.0	15.4

Final_Result

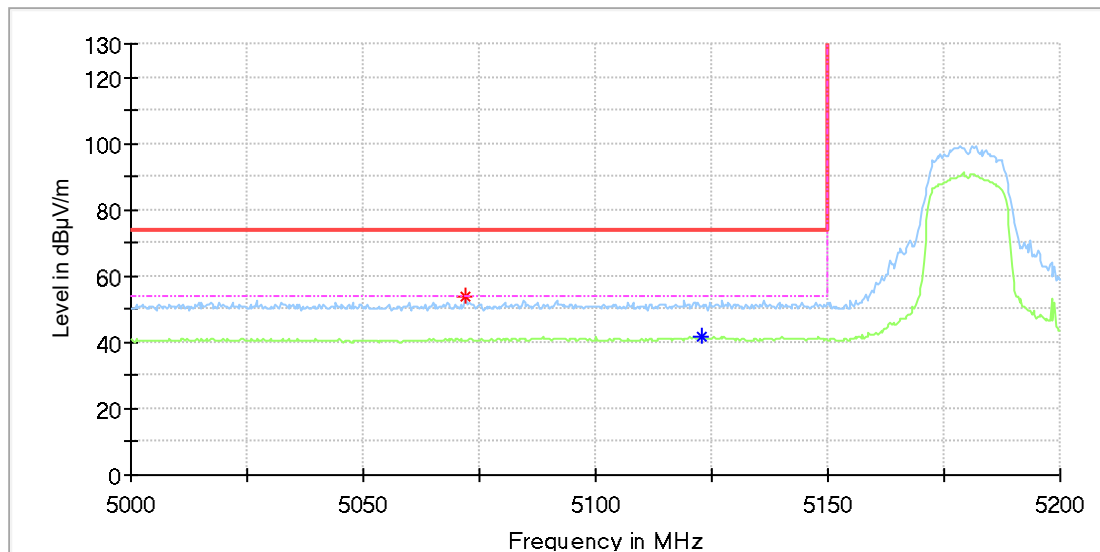
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

Appendix A.8: Test Results of Radiated Emissions in Restricted Bands

U-NII-1 Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

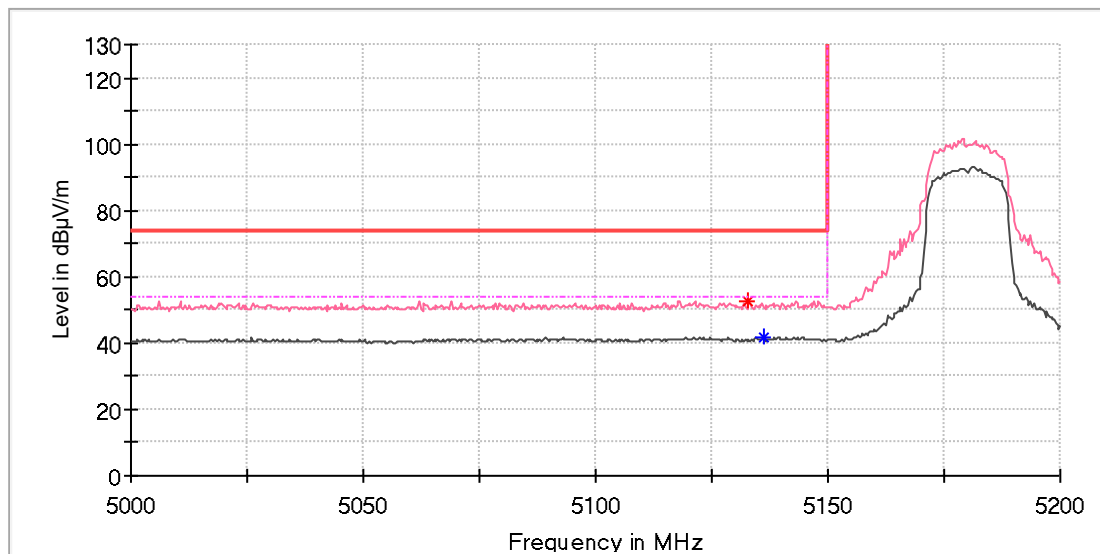
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5071.944445	53.84	---	74.00	20.16	150.0	H	137.0	13.6
5122.750000	---	41.91	54.00	12.09	150.0	H	0.0	13.8

Final_Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch36
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

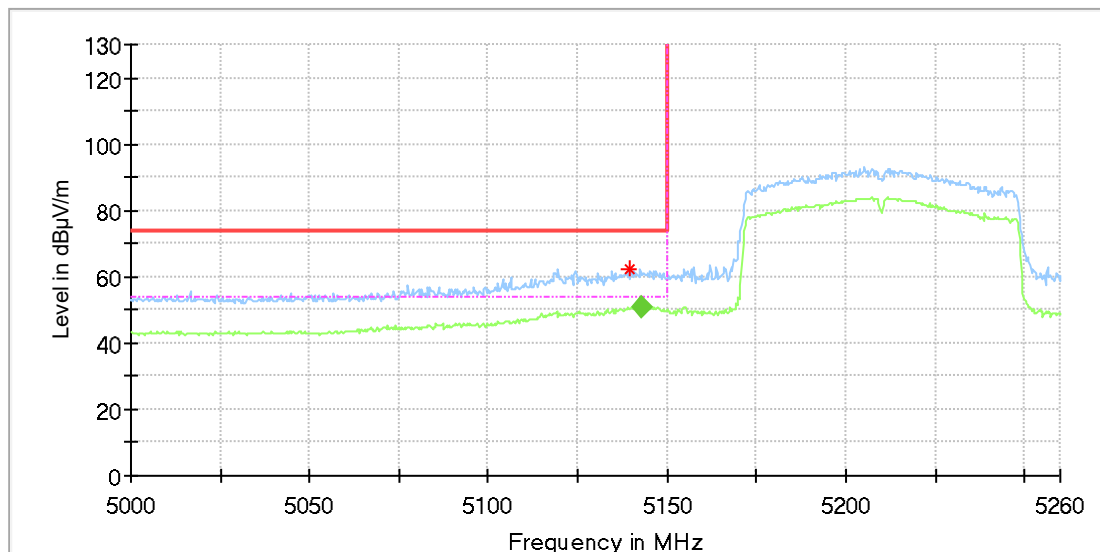
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5132.911111	52.77	---	74.00	21.23	150.0	V	175.0	13.9
5136.188889	---	41.95	54.00	12.05	150.0	V	187.0	13.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch42
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

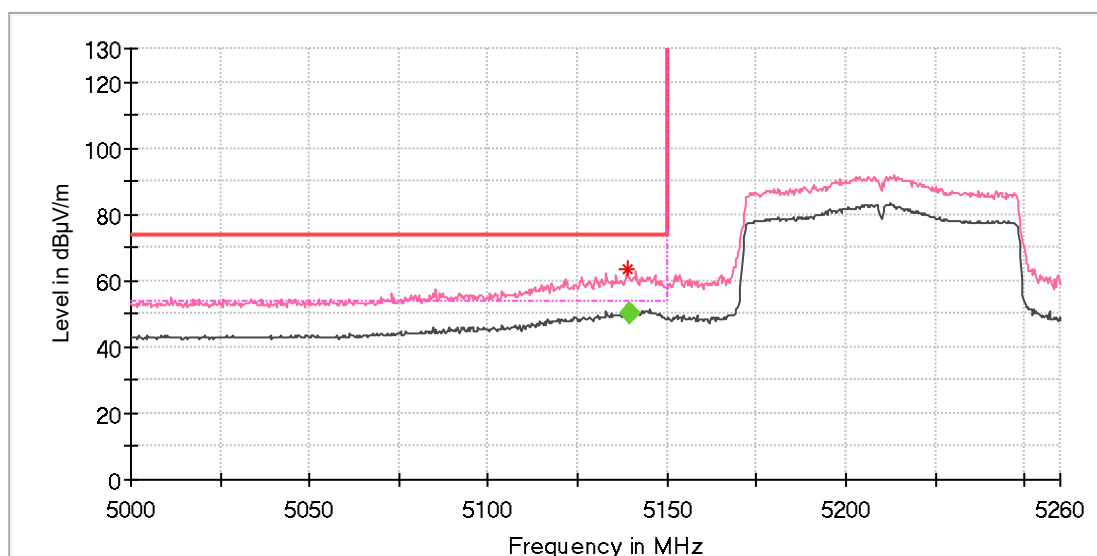
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5139.466667	62.30	---	74.00	11.70	150.0	H	13.0	13.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5142.744445	---	50.89	54.00	3.11	150.0	H	75.0	13.9

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch42
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

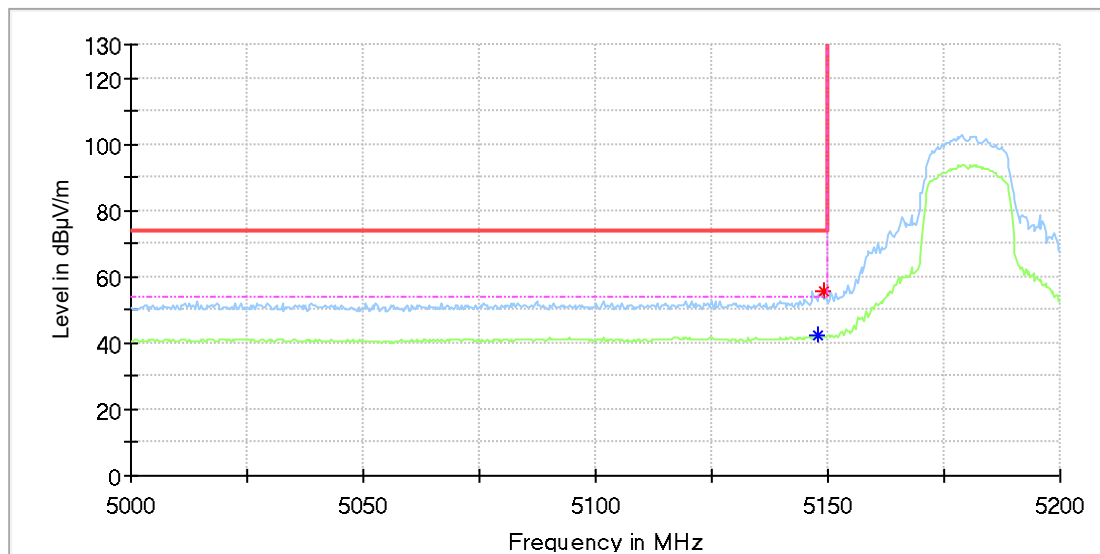
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5138.811111	63.42	---	74.00	10.58	150.0	V	30.0	13.9

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5139.466667	---	49.94	54.00	4.06	150.0	V	357.0	13.9

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch36
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

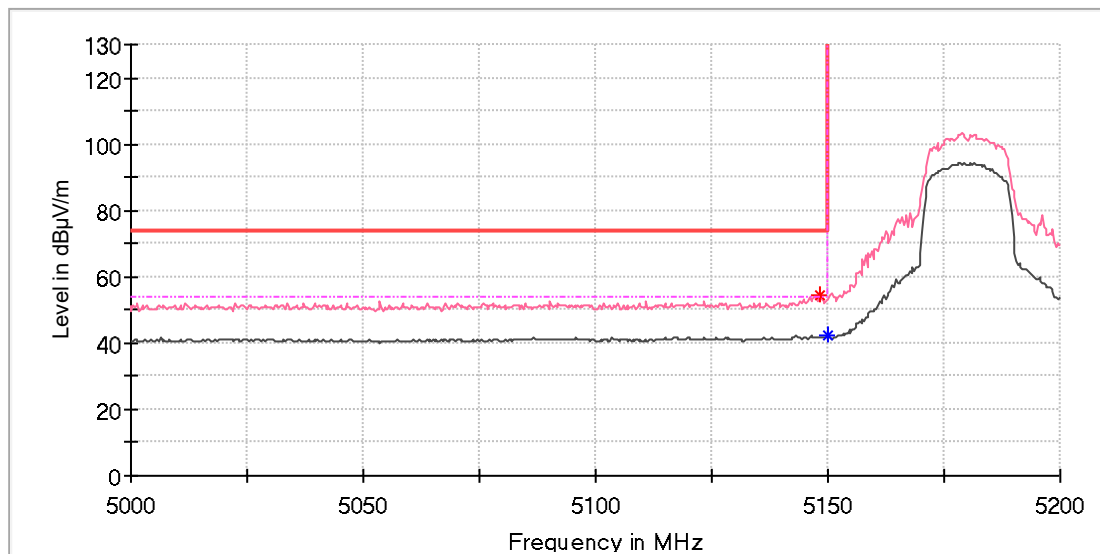
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.988889	---	42.39	54.00	11.61	150.0	H	65.0	13.9
5148.972222	55.92	---	74.00	18.08	150.0	H	260.0	13.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch36
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

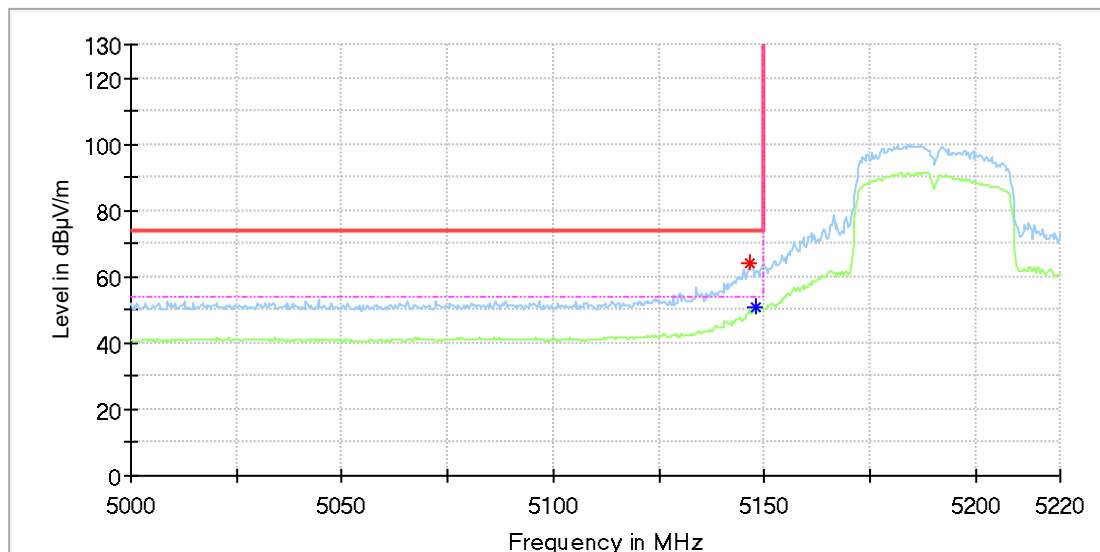
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.316667	54.42	---	74.00	19.58	150.0	V	17.0	13.9
5149.955556	---	42.14	54.00	11.86	150.0	V	24.0	13.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch38
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

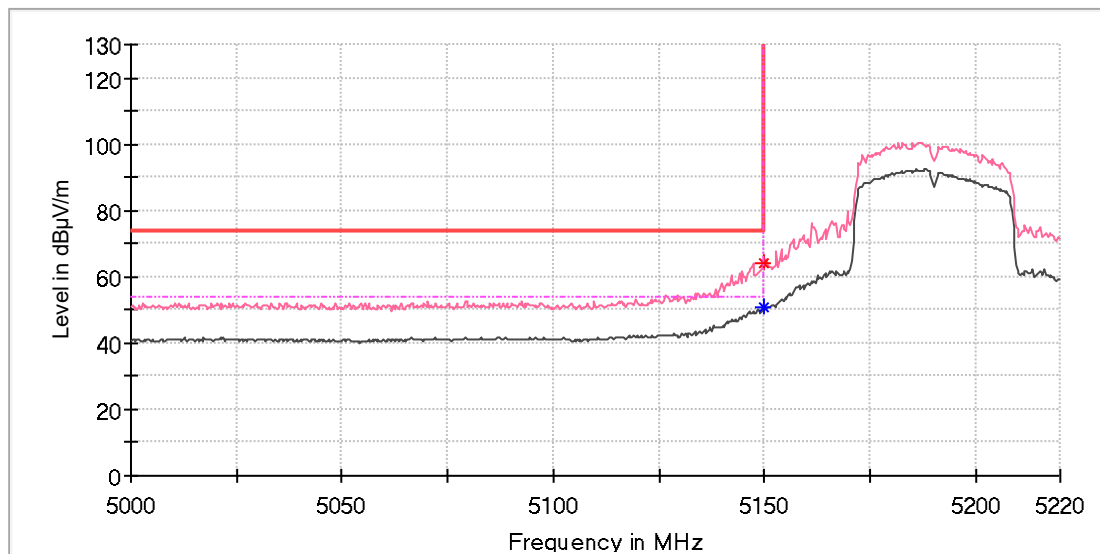
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.350000	63.84	---	74.00	10.16	150.0	H	259.0	13.9
5147.988889	---	50.62	54.00	3.38	150.0	H	259.0	13.9

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch38
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
5149.627778	64.08	---	74.00	9.92	150.0	V	15.0	13.9
5149.955556	---	50.50	54.00	3.50	150.0	V	58.0	13.9

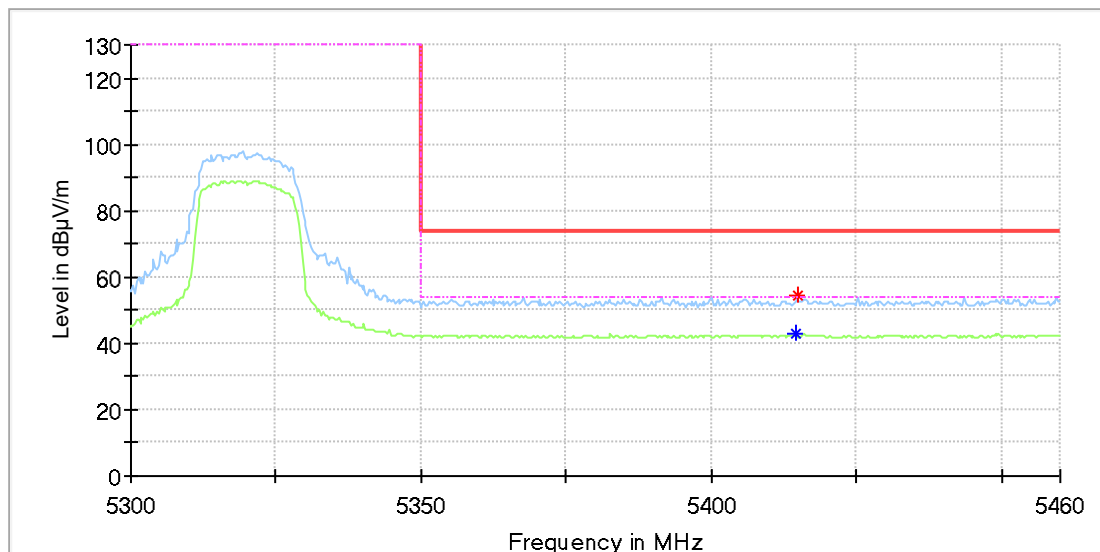
Final Result

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

U-NII-2A Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

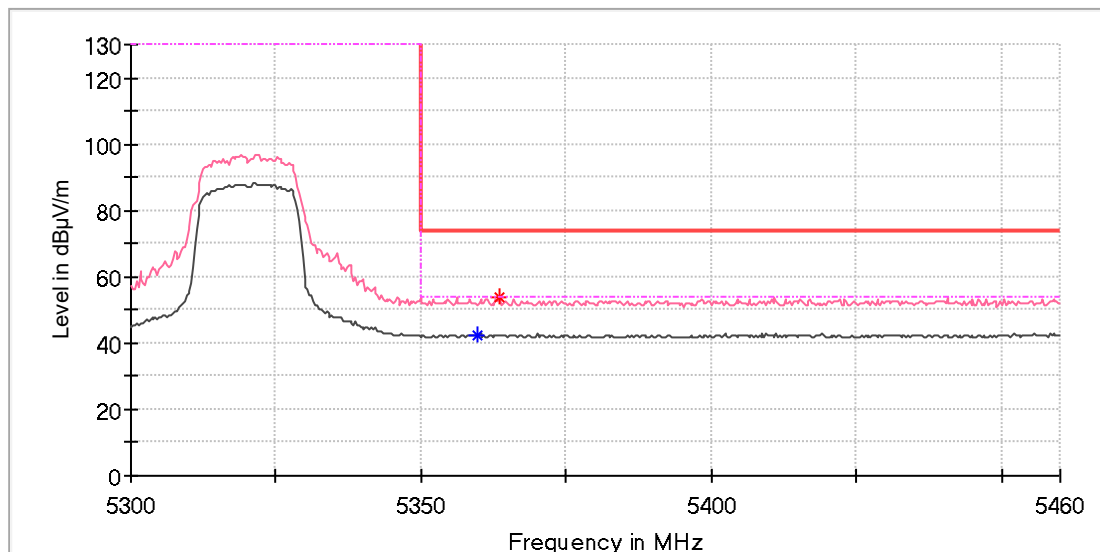
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5414.361111	---	42.97	54.00	11.03	150.0	H	275.0	15.0
5414.655556	54.20	---	74.00	19.80	150.0	H	194.0	15.0

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch64
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
5359.594445	---	42.57	54.00	11.43	150.0	V	43.0	14.8
5363.422222	53.90	---	74.00	20.10	150.0	V	14.0	14.8

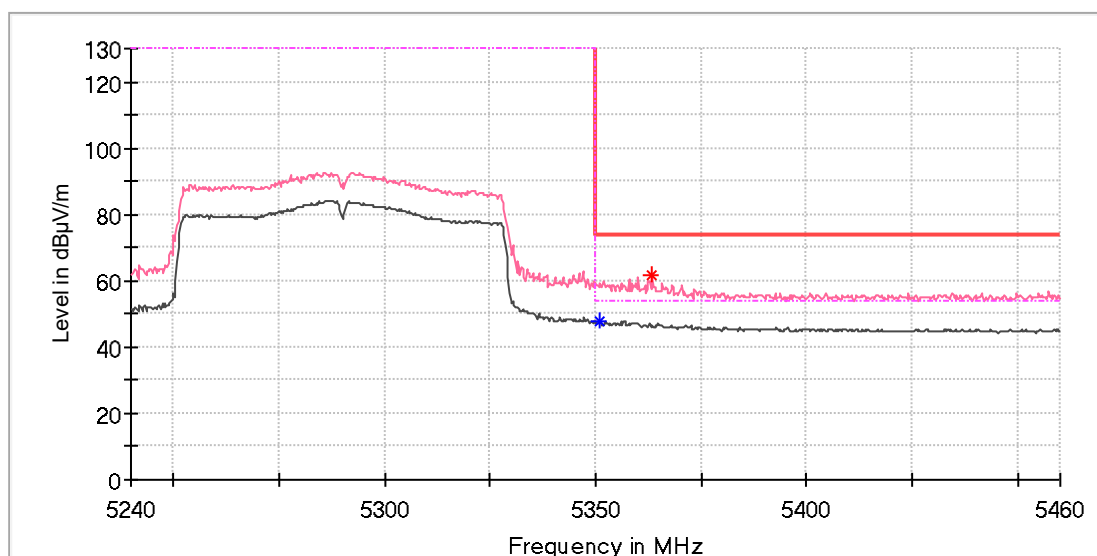
Final Result

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

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75 MHz	120.00 dBμV/m	110.00 dBμV/m	120.00 dBμV/m	0.00 dB	300.00 cm	000	000	0.00 dB/m

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11ac_Ch58
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

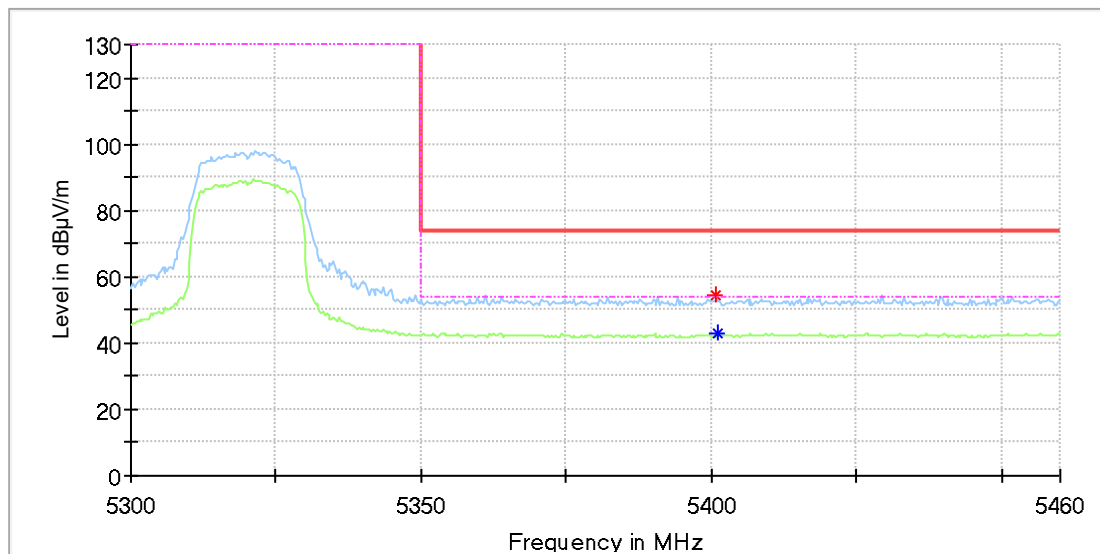
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.055556	---	48.01	54.00	5.99	150.0	V	353.0	14.8
5363.422222	61.48	---	74.00	12.52	150.0	V	0.0	14.8

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.5-93.7	93.5-93.7	93.5-93.7	93.5-93.7	93.5-93.7	93.5-93.7		93.5-93.7	

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch64
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

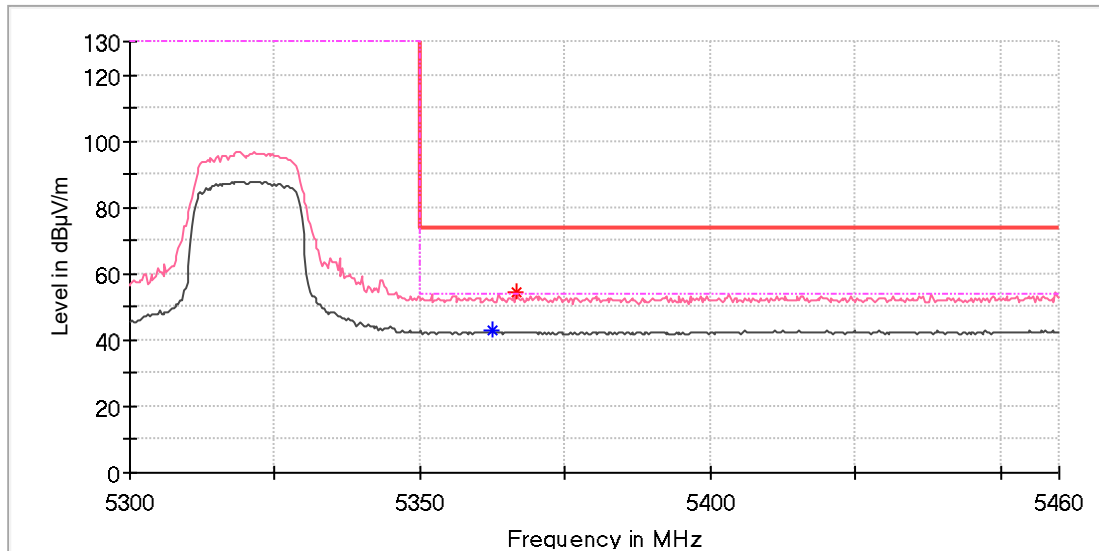
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5400.816667	54.40	---	74.00	19.60	150.0	H	194.0	15.0
5401.111111	---	42.95	54.00	11.05	150.0	H	8.0	15.0

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch64
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

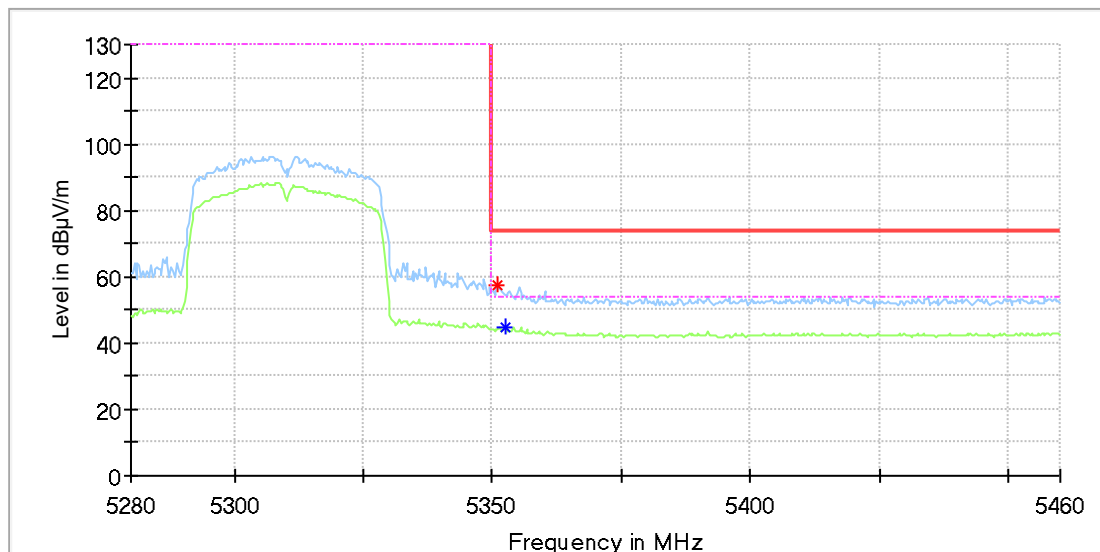
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5362.244445	---	42.83	54.00	11.17	150.0	V	45.0	14.8
5366.661111	54.39	---	74.00	19.61	150.0	V	189.0	14.8

Final Result

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

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch62
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

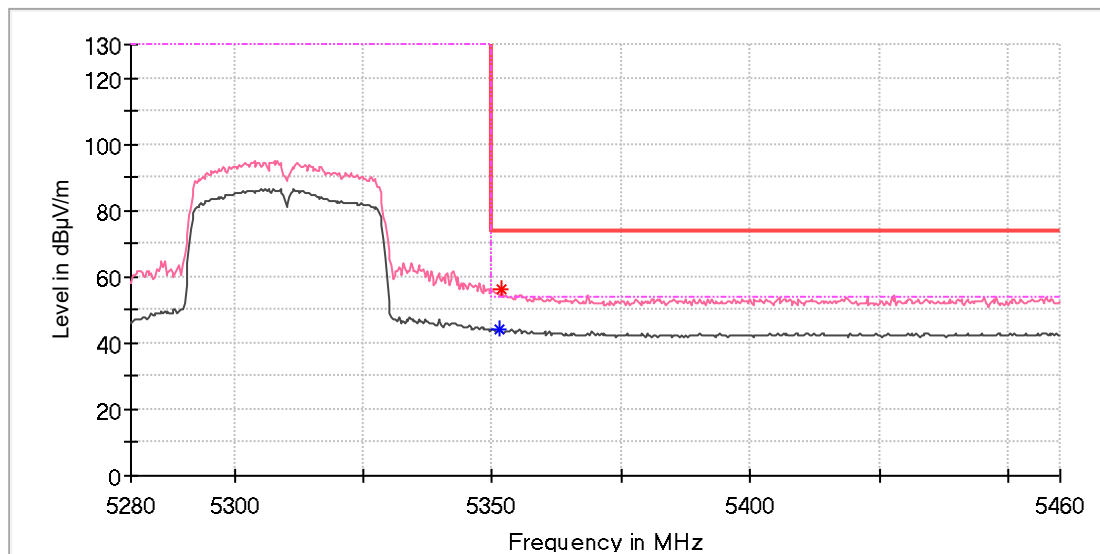
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.055556	57.18	---	74.00	16.82	150.0	H	156.0	14.8
5352.527778	---	44.79	54.00	9.21	150.0	H	156.0	14.8

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch62
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
5351.350000	---	44.23	54.00	9.77	150.0	V	63.0	14.8
5351.938889	56.23	---	74.00	17.77	150.0	V	23.0	14.8

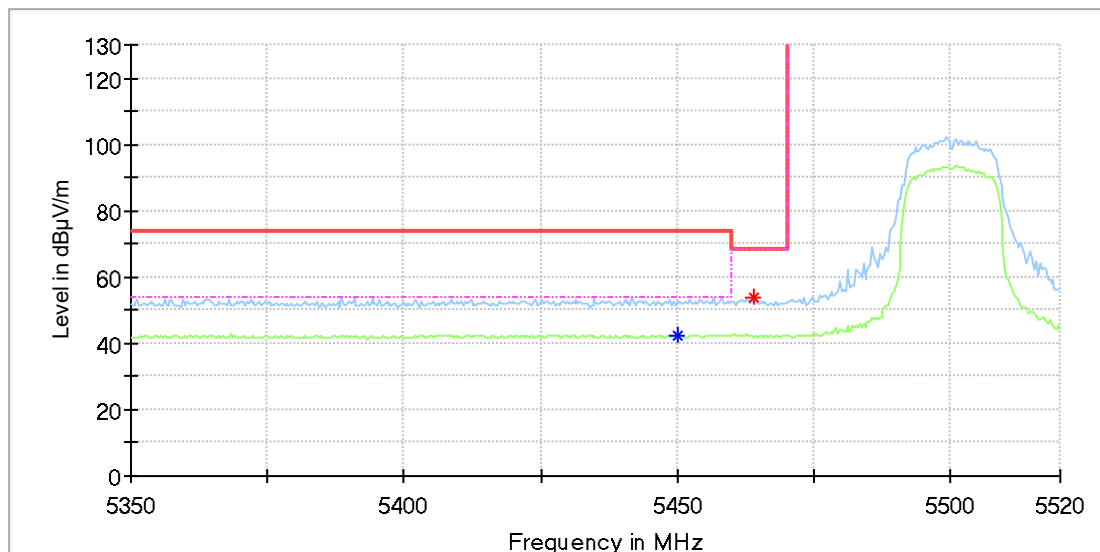
Final Result

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

U-NII-2C Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch100
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

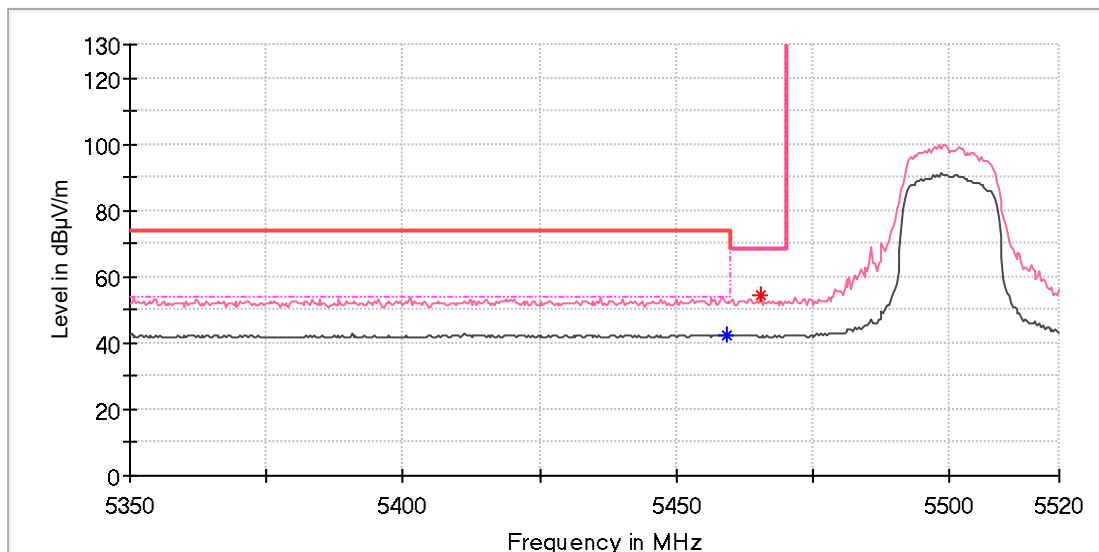
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5449.872222	---	42.48	54.00	11.52	150.0	H	278.0	15.0
5463.966667	53.83	---	68.20	14.37	150.0	H	320.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch100
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

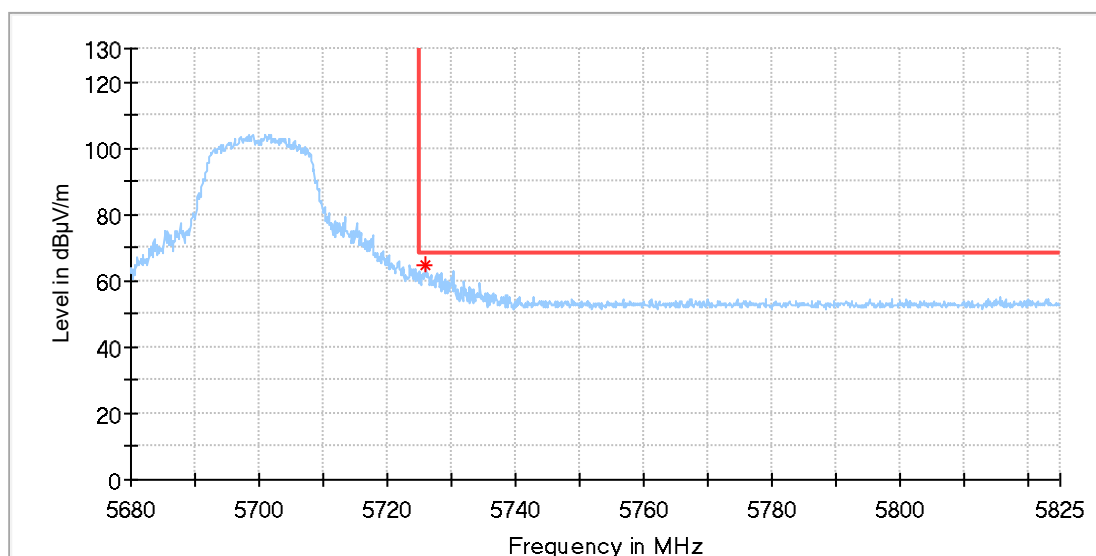
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5459.050000	---	42.54	54.00	11.46	150.0	V	131.0	15.1
5465.277778	54.62	---	68.20	13.58	150.0	V	271.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

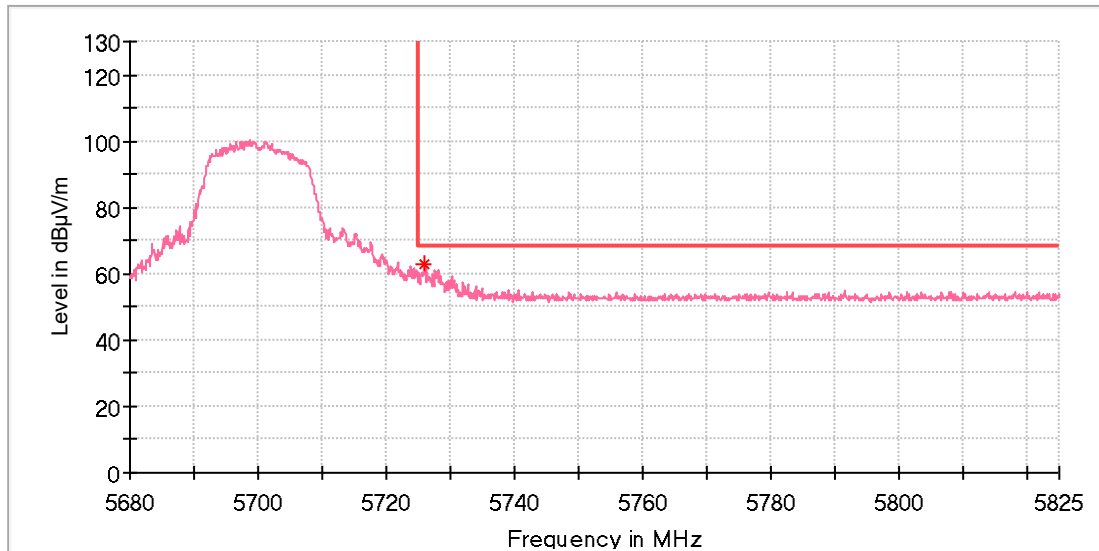
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.908333	64.87	68.20	3.33	150.0	H	154.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

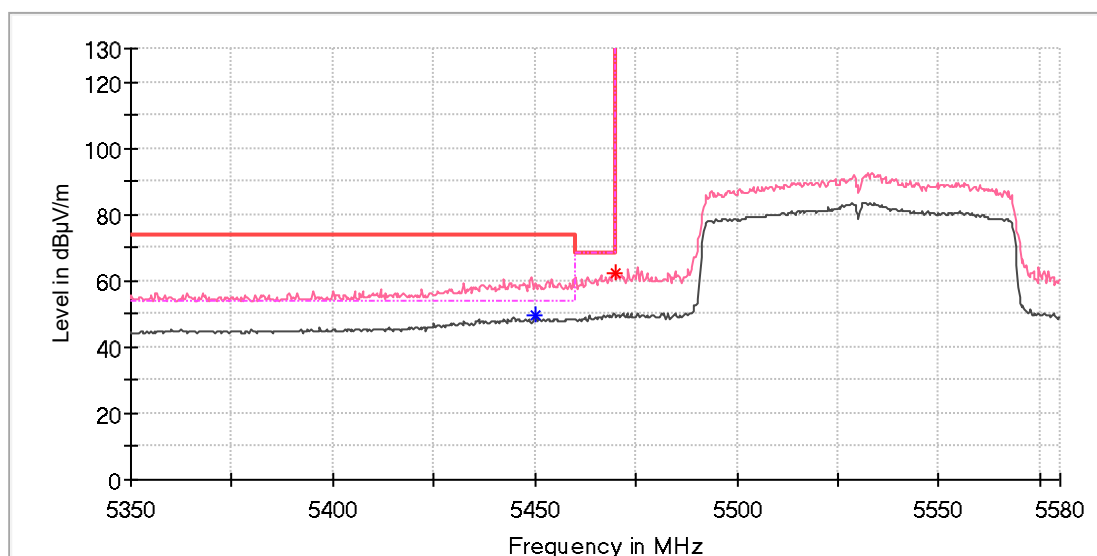
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.004167	62.89	68.20	5.31	150.0	V	276.0	15.4

Final_Result

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

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11ac80_Ch106
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

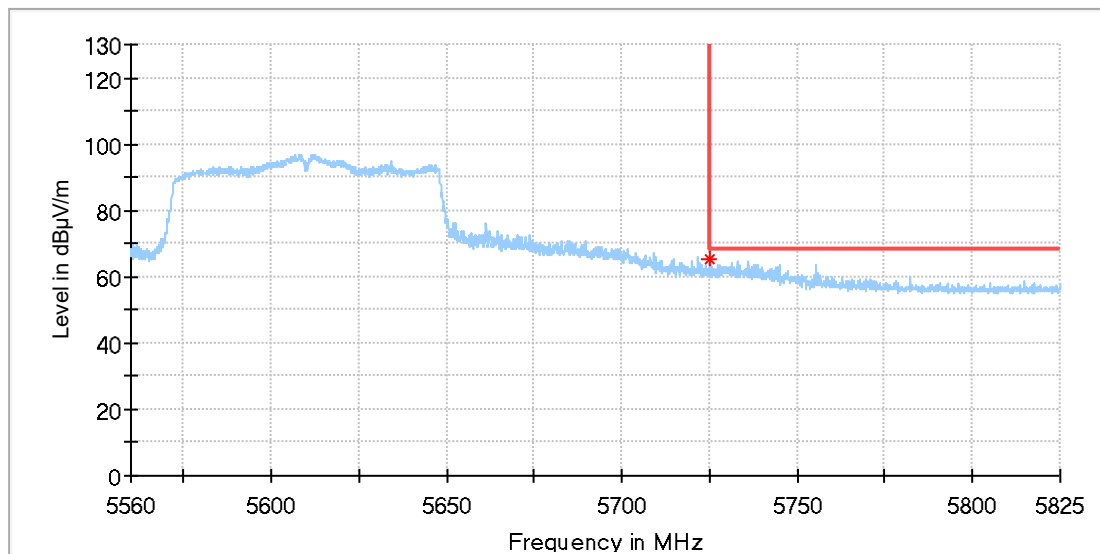
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5450.200000	---	49.52	54.00	4.48	150.0	V	40.0	15.0
5469.866667	62.57	---	68.20	5.63	150.0	V	40.0	15.1

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75 MHz	120.00 dBμV/m	110.00 dBμV/m	120.00 dBμV/m	0.00 dB	30.00 cm	000	000	0.00 dB/m

EUT Information

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch122
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

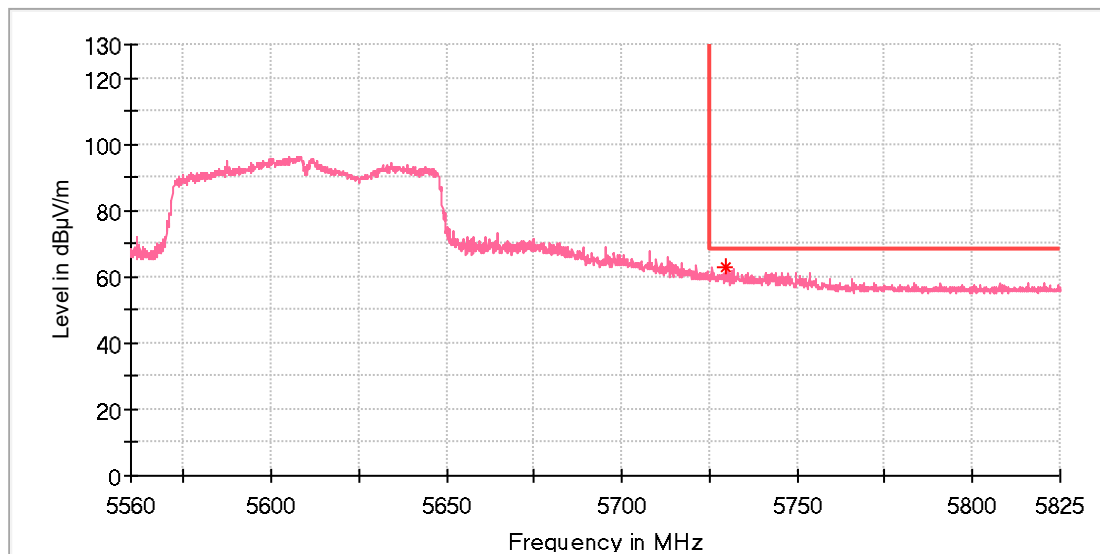
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.333333	65.04	68.20	3.16	150.0	H	87.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch122
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

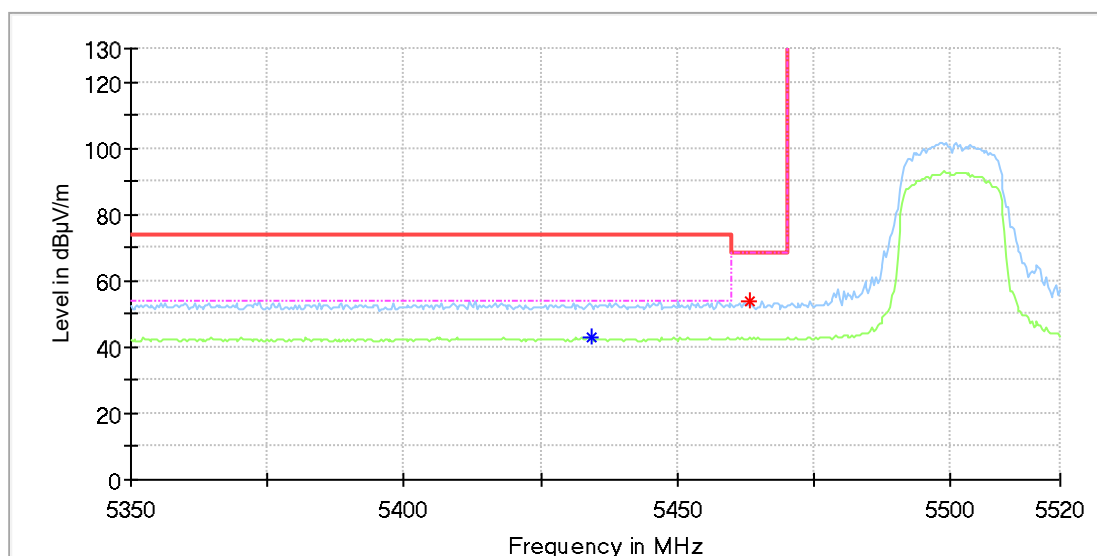
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5729.454167	62.72	68.20	5.48	150.0	V	358.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11n20_Ch100
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

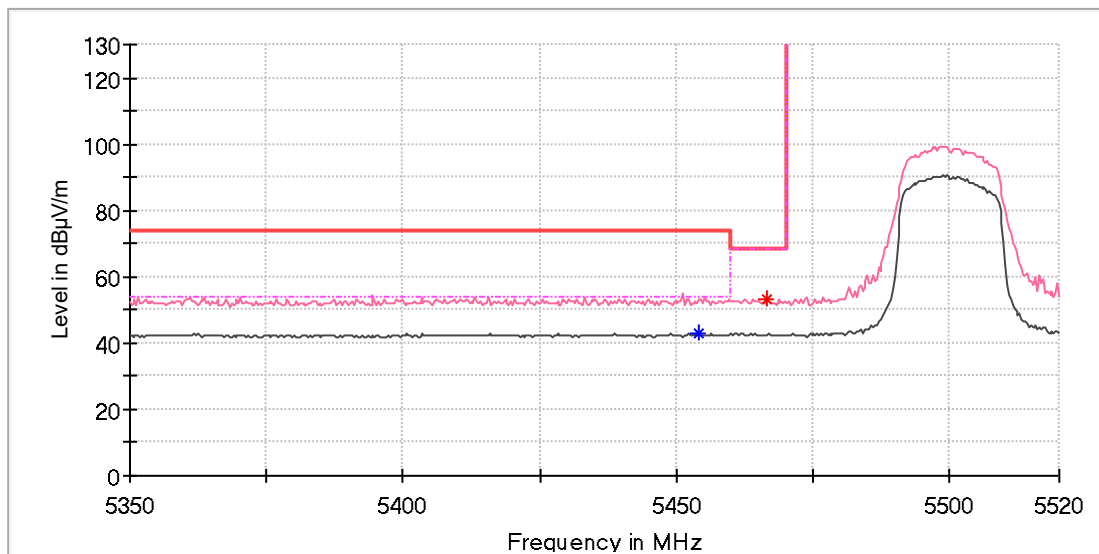
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5434.138889	---	42.86	54.00	11.14	150.0	H	273.0	15.0
5463.311111	53.79	---	68.20	14.41	150.0	H	0.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch100
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

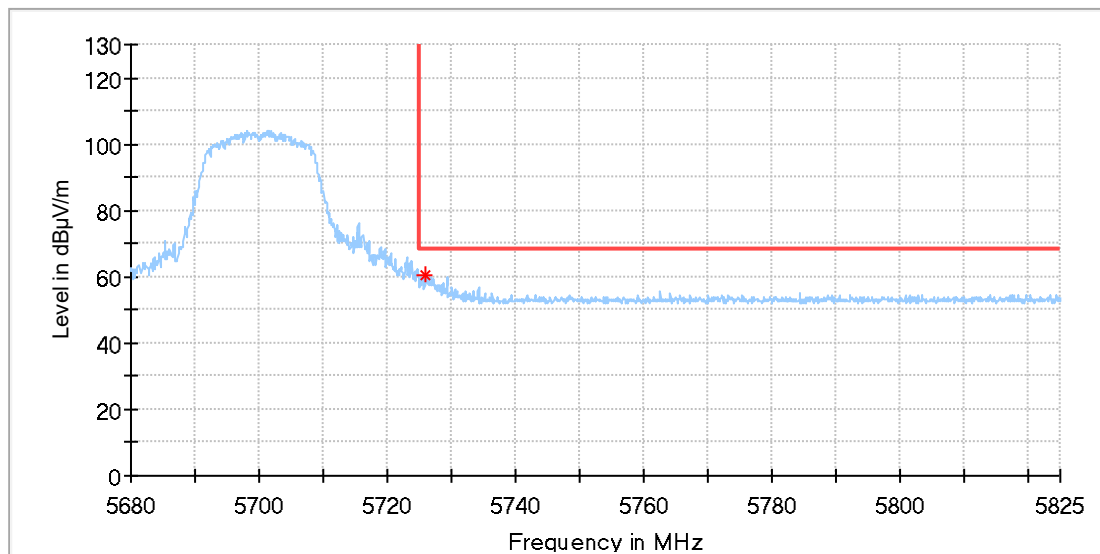
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5454.133333	---	42.89	54.00	11.11	150.0	V	201.0	15.0
5466.588889	53.47	---	68.20	14.73	150.0	V	82.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch140
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

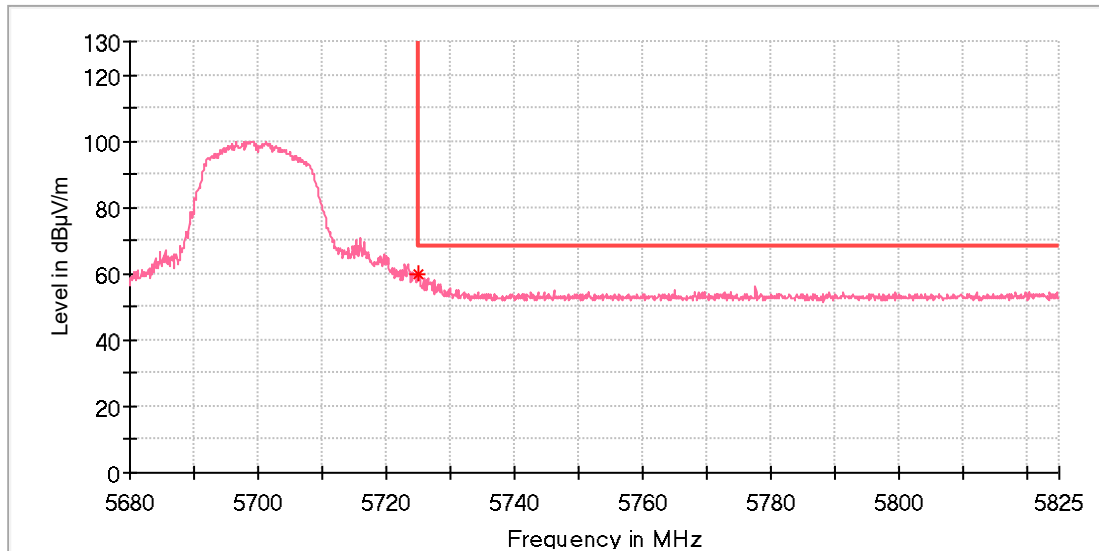
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.004167	60.40	68.20	7.80	150.0	H	46.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch140
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

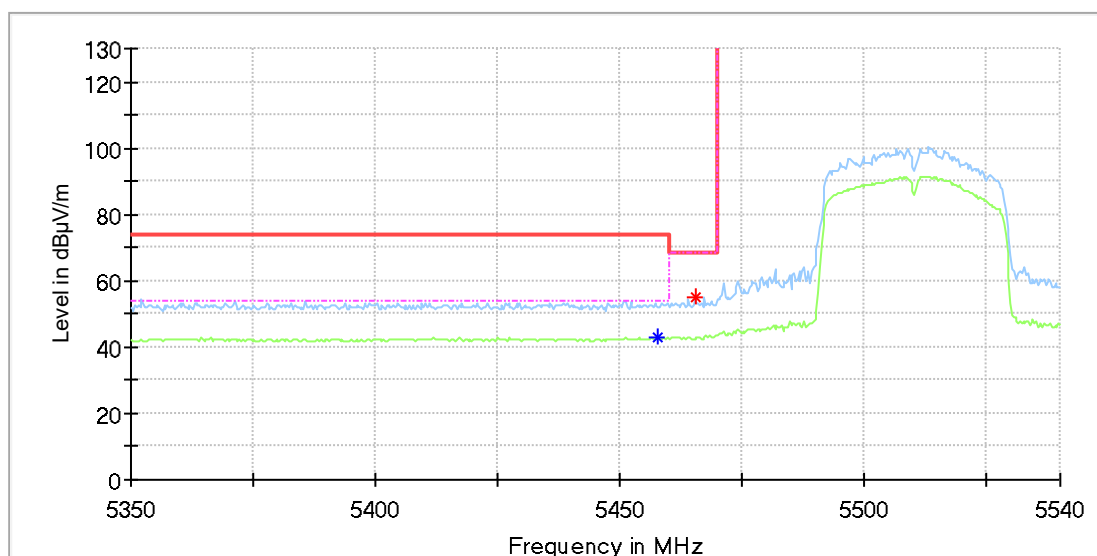
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.045833	59.75	68.20	8.45	150.0	V	198.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
 Model: RB05-A
 Test Mode: WIFI 5G_11n40_Ch102
 Order No/Sample No: A004027463-003
 Test Voltage: Battery
 Remark: Temp 23 Humi:43%
 Test Standard: FCC 15.407
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

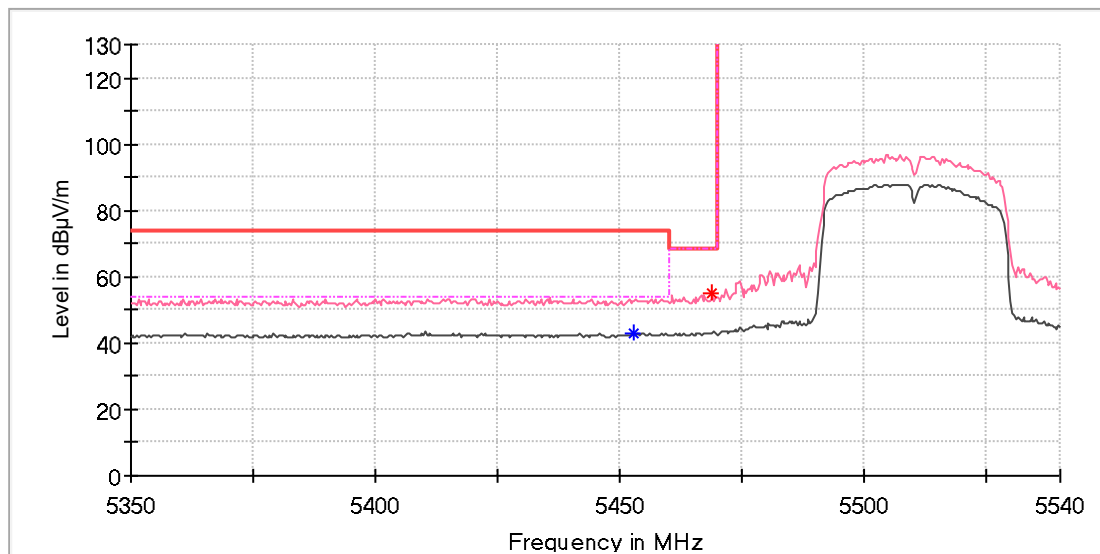
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5457.738889	---	43.13	54.00	10.87	150.0	H	194.0	15.1
5465.277778	54.82	---	68.20	13.38	150.0	H	85.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch102
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

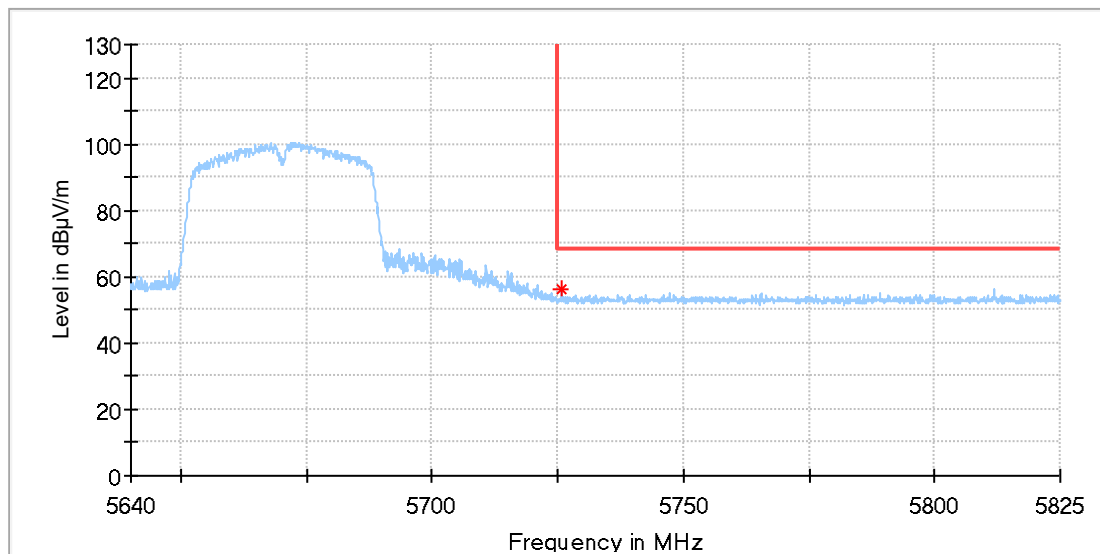
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5452.822222	---	43.09	54.00	10.91	150.0	V	229.0	15.0
5468.883333	55.02	---	68.20	13.18	150.0	V	62.0	15.1

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch134
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

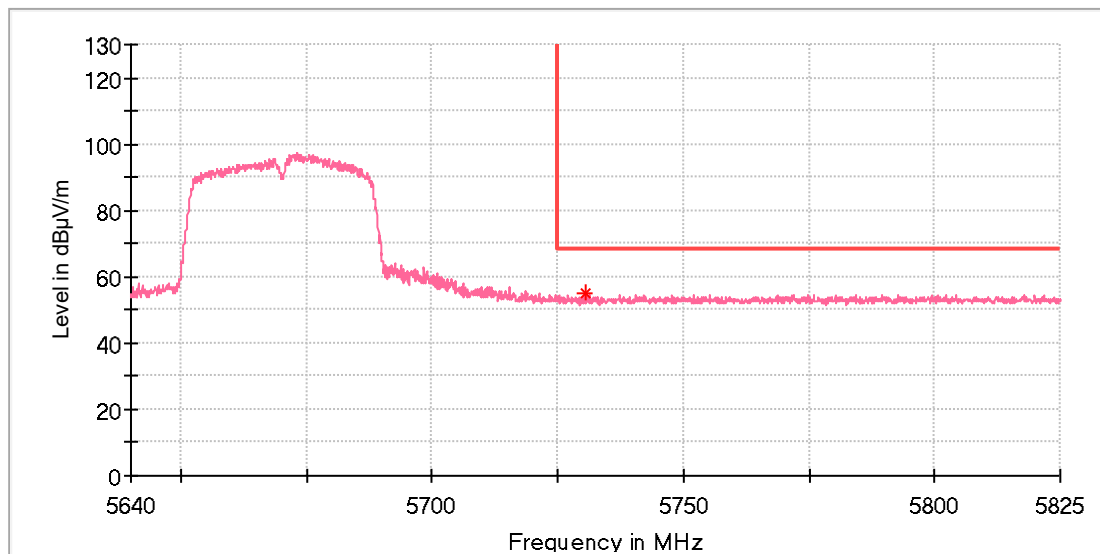
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.620833	56.32	68.20	11.88	150.0	H	154.0	15.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch134
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
5730.316667	55.18	68.20	13.02	150.0	V	0.0	15.4

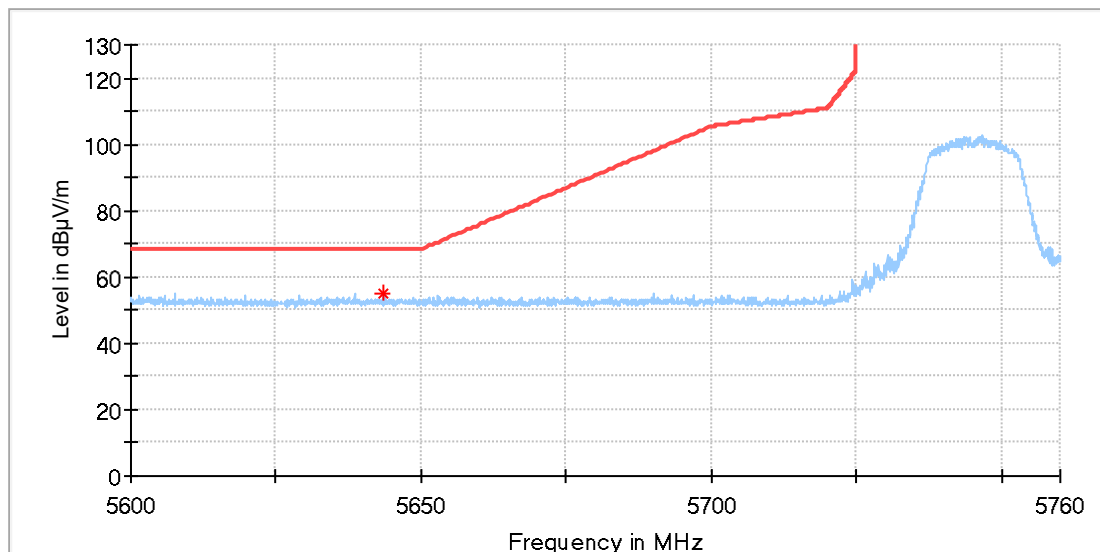
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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U-NII-3 Band

EUT Information

EUT Name:	Robot Vacuum Cleaner
Model:	RB05-A
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	A004027463-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:43%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

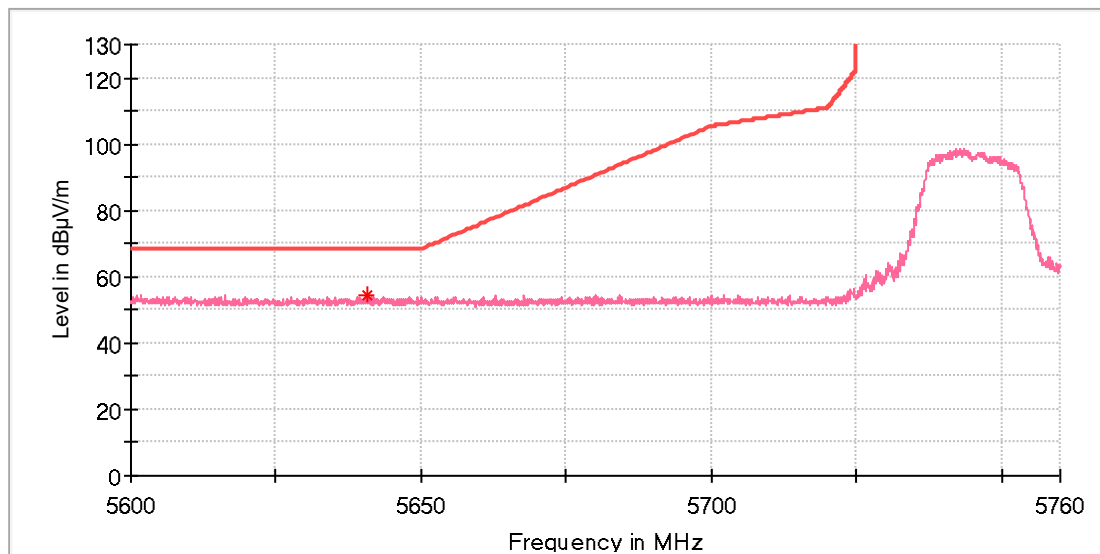
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5643.572222	54.93	68.20	13.27	150.0	H	75.0	15.3

Final Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch149
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

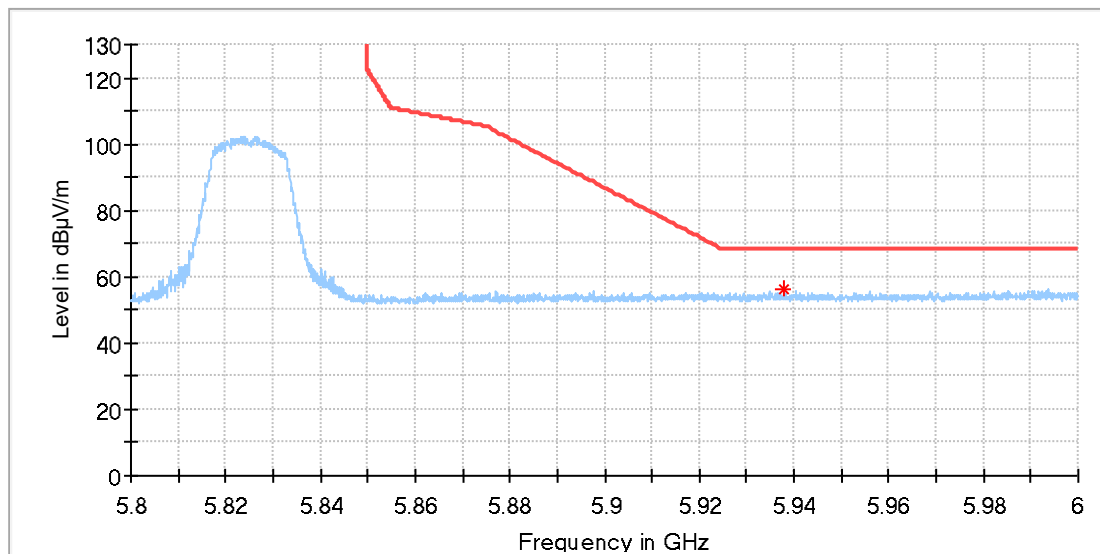
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.822222	54.16	68.20	14.04	150.0	V	130.0	15.3

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

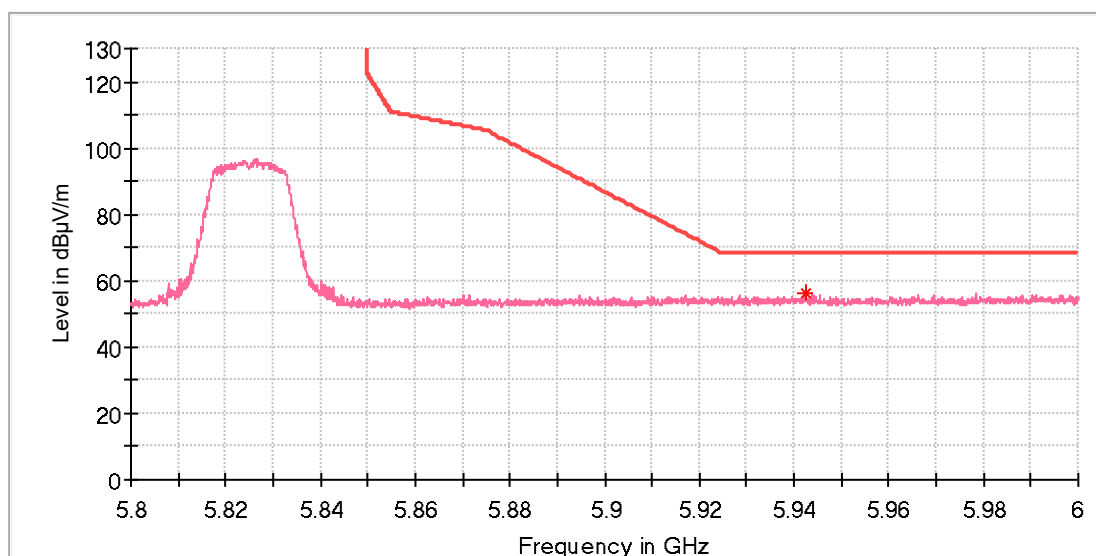
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5937.743056	56.00	68.20	12.20	150.0	H	340.0	16.2

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

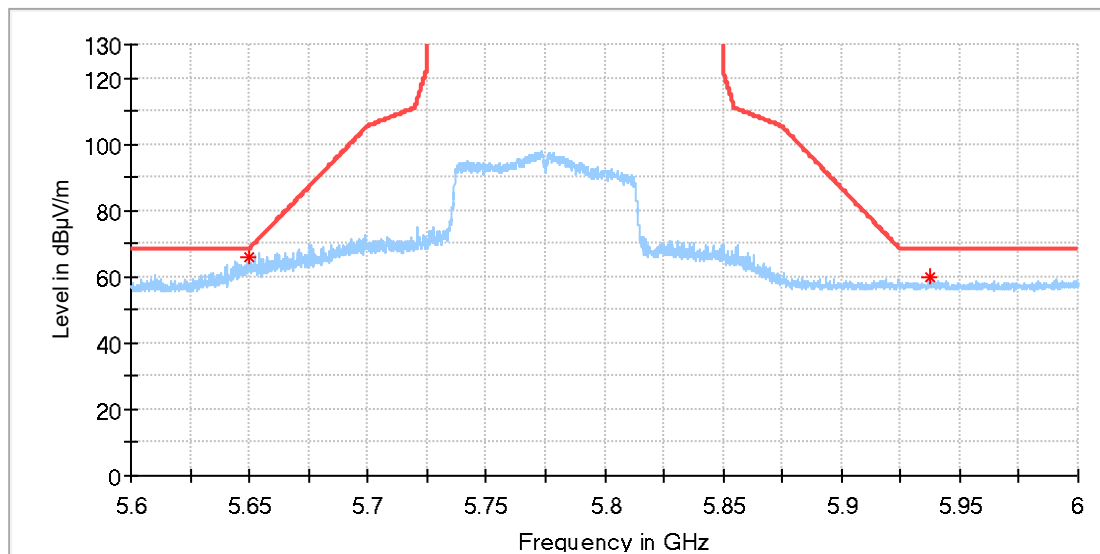
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5942.326389	56.36	68.20	11.84	150.0	V	180.0	16.2

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

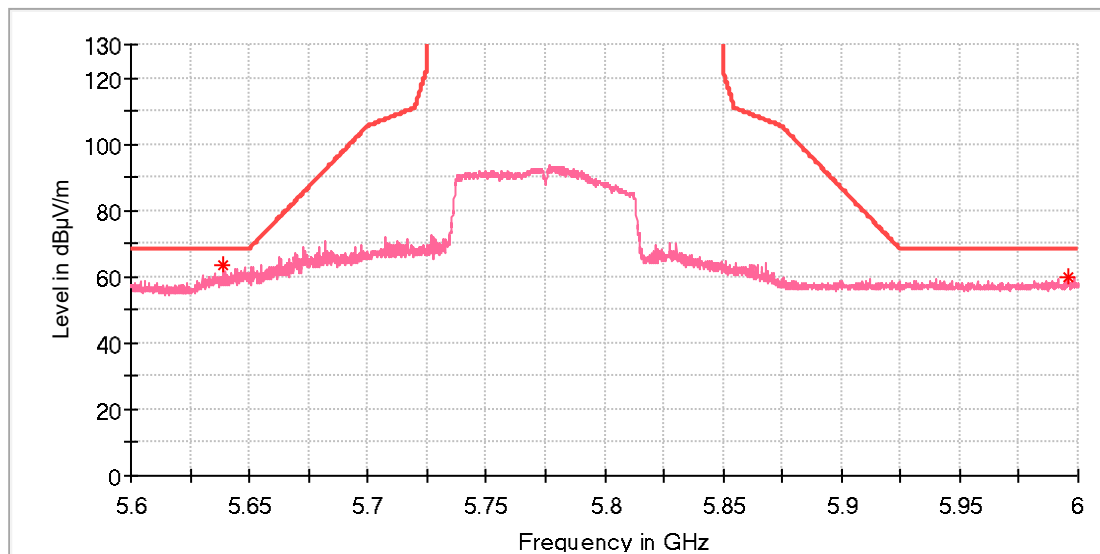
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5649.666667	65.13	68.20	3.07	150.0	H	115.0	15.3
5937.000000	59.85	68.20	8.35	150.0	H	75.0	16.2

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11ac80_Ch155
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

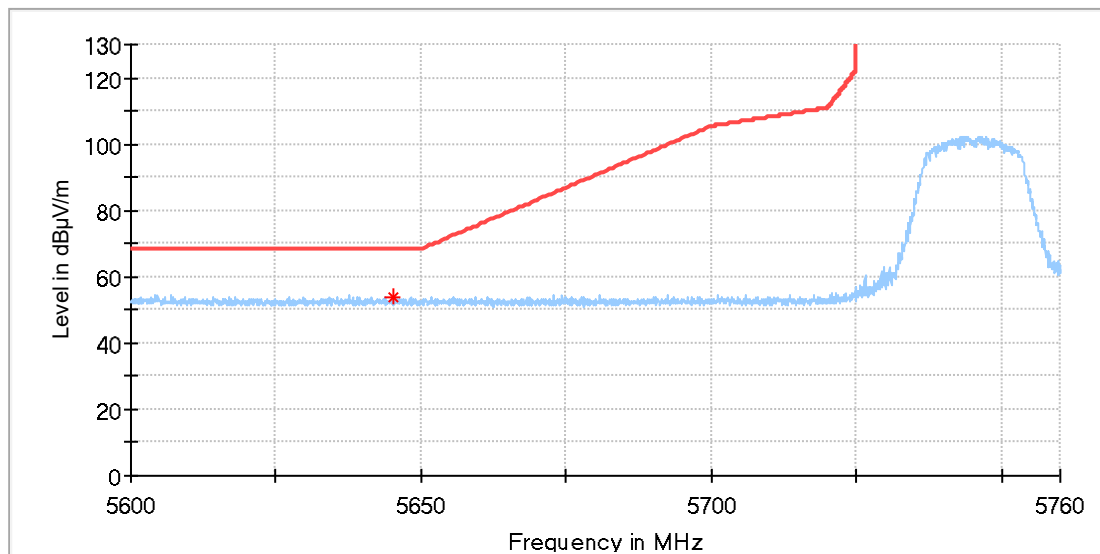
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5639.000000	63.32	68.20	4.88	150.0	V	27.0	15.3
5996.000000	59.78	68.20	8.42	150.0	V	135.0	16.5

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch149
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

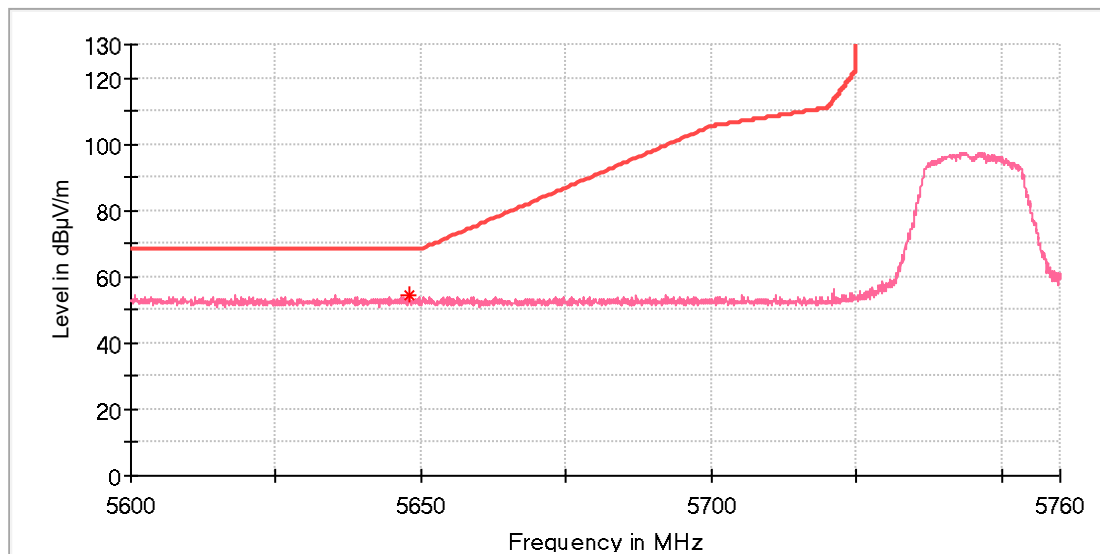
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.161111	53.77	68.20	14.43	150.0	H	171.0	15.3

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch149
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

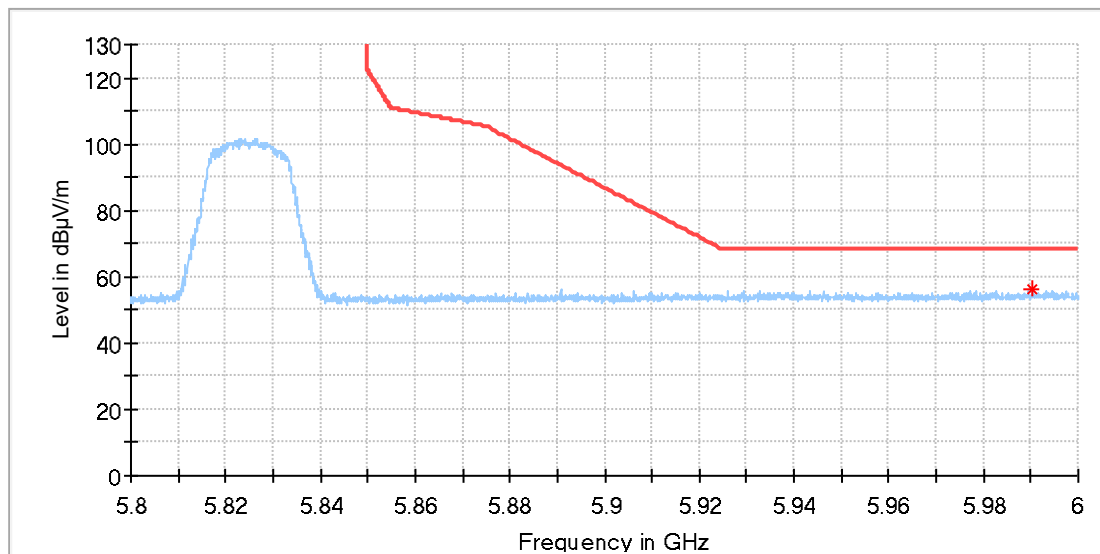
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5647.972222	54.25	68.20	13.95	150.0	V	9.0	15.3

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

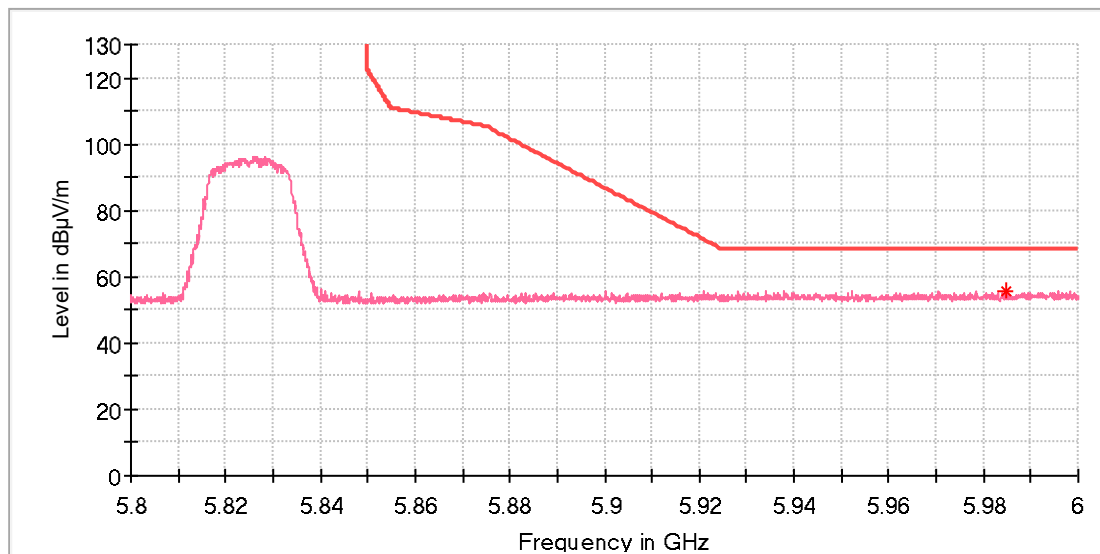
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5990.451389	56.11	68.20	12.09	150.0	H	87.0	16.5

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n20_Ch165
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

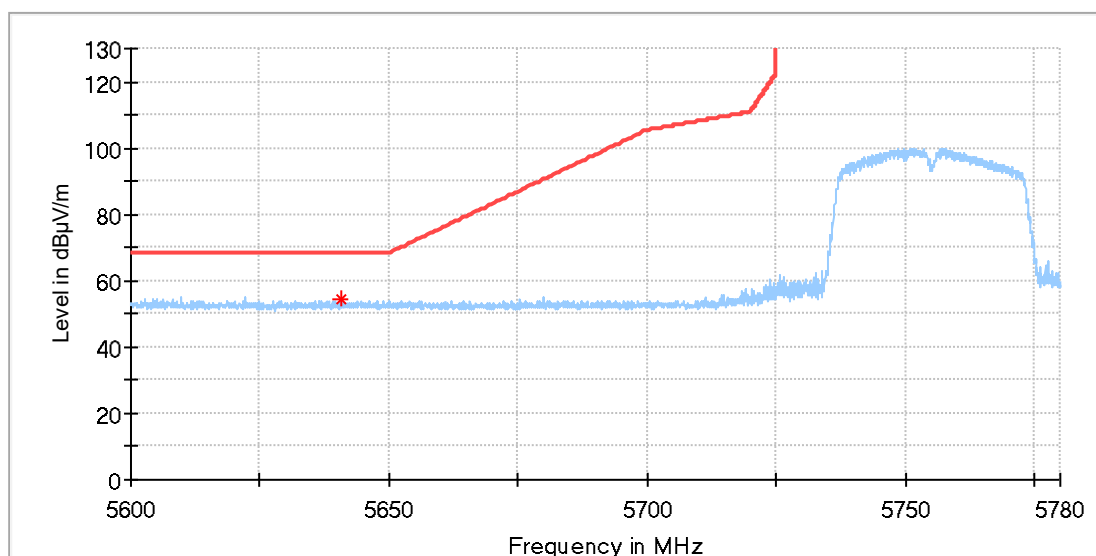
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5984.569445	55.63	68.20	12.57	150.0	V	316.0	16.4

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

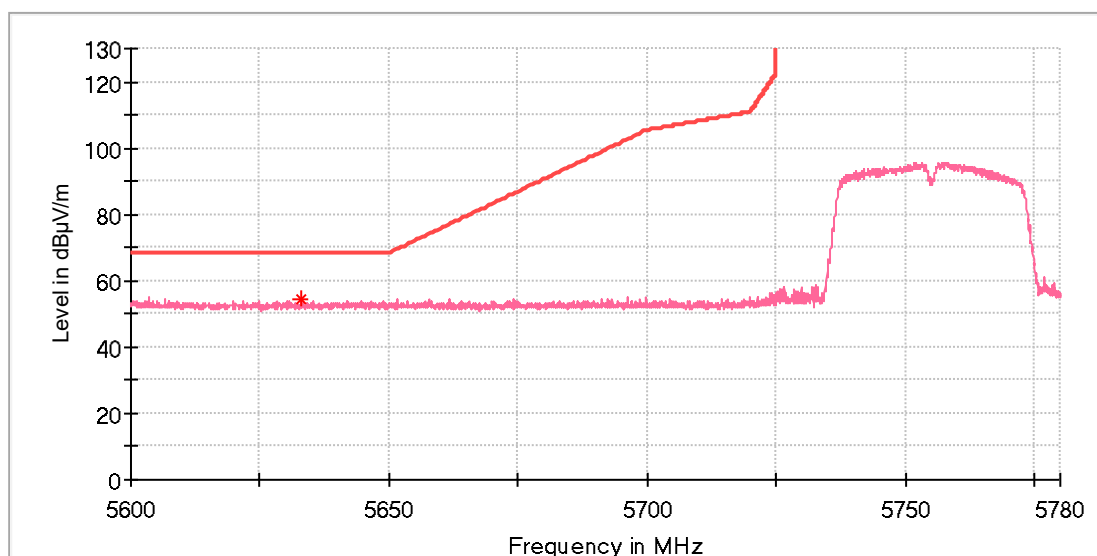
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.638889	54.52	68.20	13.68	150.0	H	19.0	15.3

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

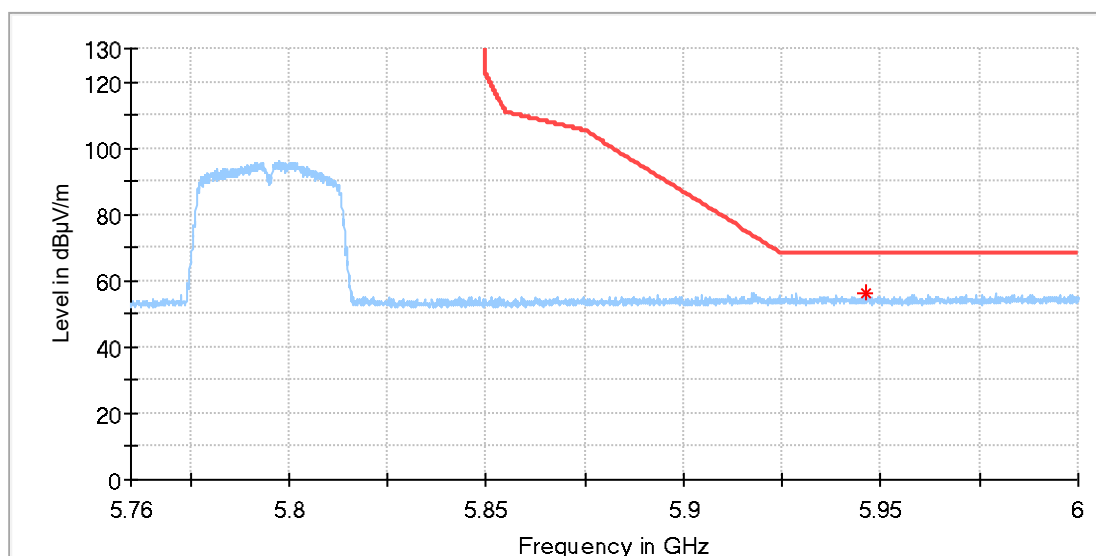
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5632.938889	54.56	68.20	13.64	150.0	V	0.0	15.3

Final_Result

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

EUT Name: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

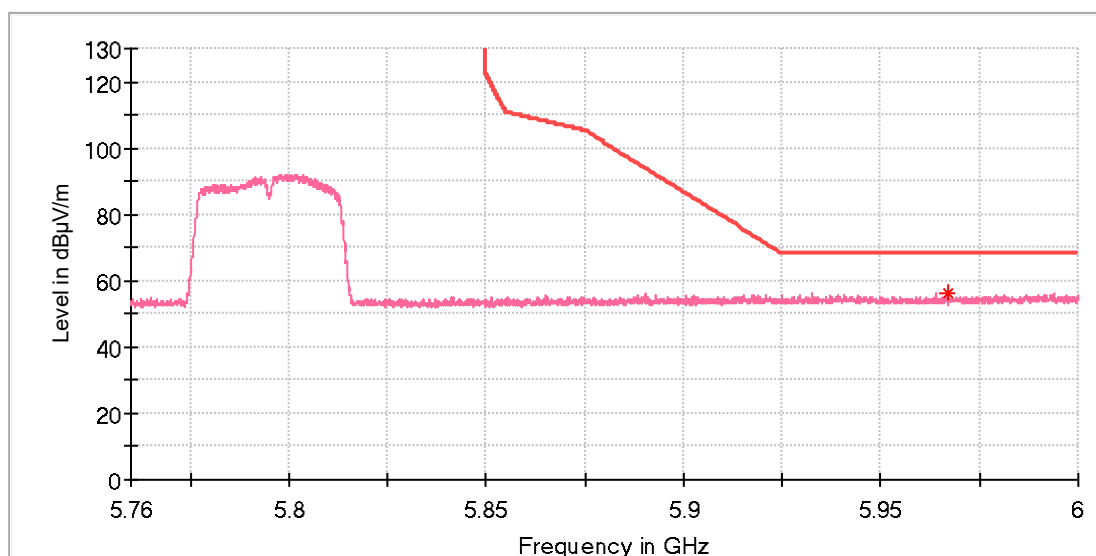
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5946.069445	56.02	68.20	12.18	150.0	H	178.0	16.2

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: Robot Vacuum Cleaner
Model: RB05-A
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: A004027463-003
Test Voltage: Battery
Remark: Temp 23 Humi:43%
Test Standard: FCC 15.407
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)
5967.076389	56.40	68.20	11.80	150.0	V	153.0	16.4

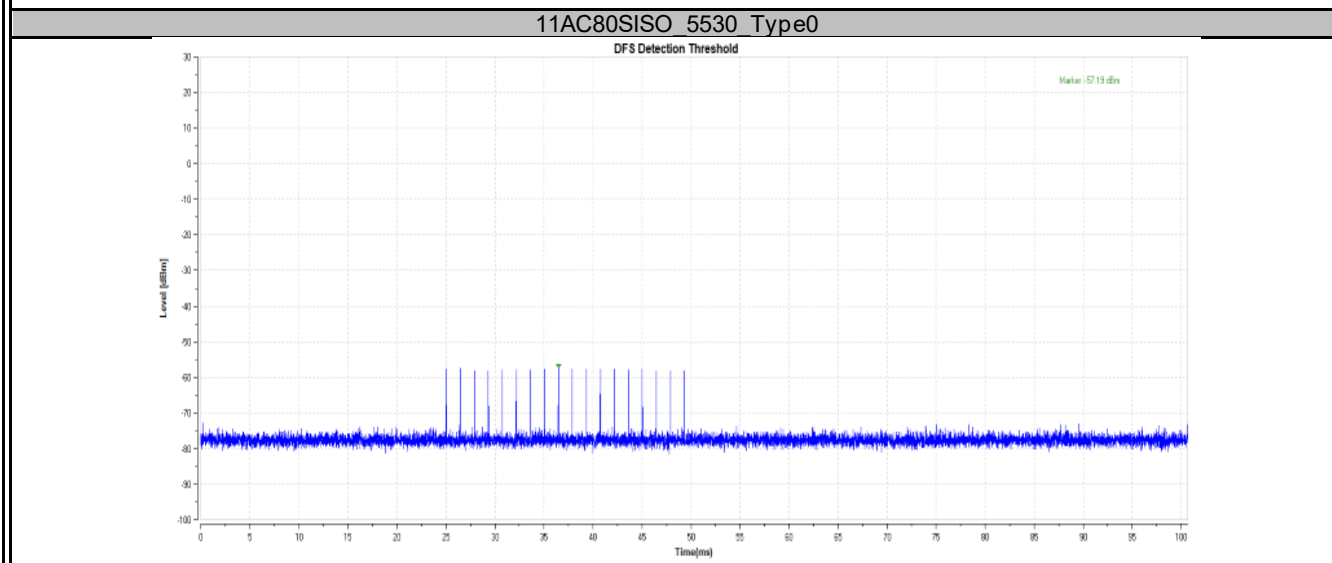
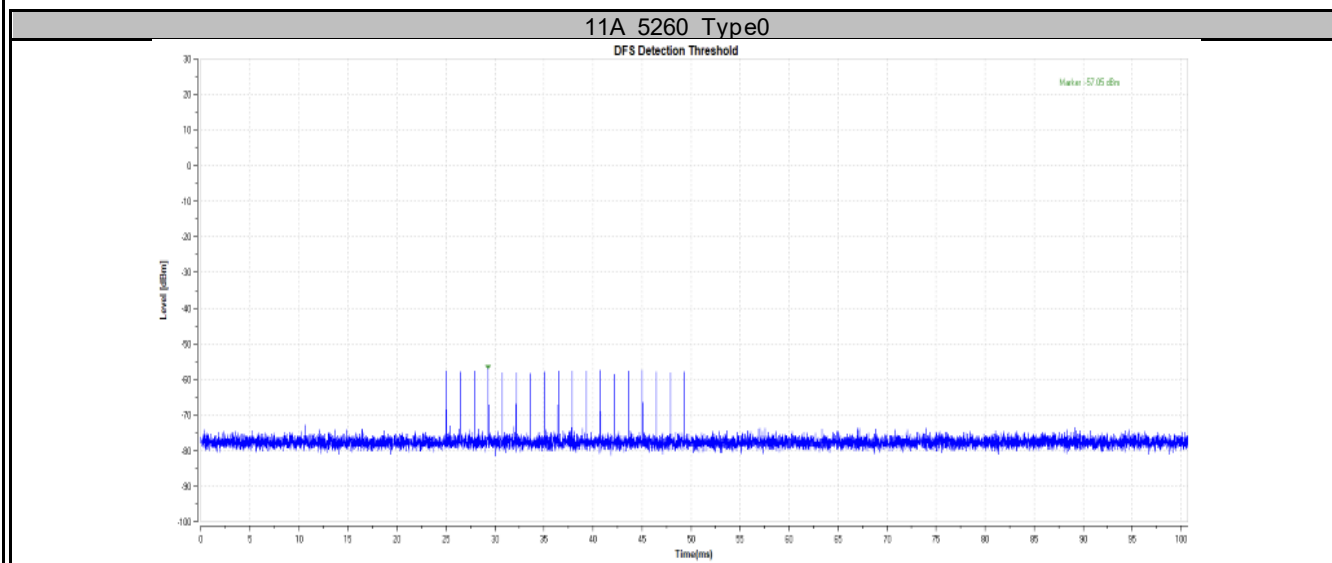
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.9: Test Results of Dynamic Frequency Selection (DFS)

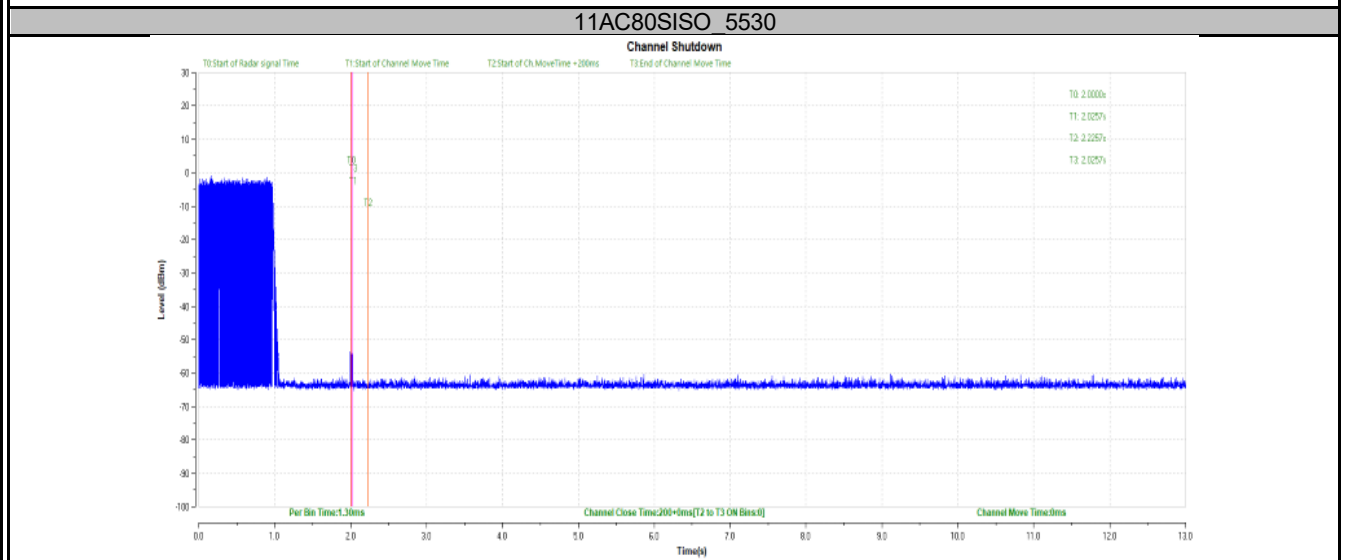
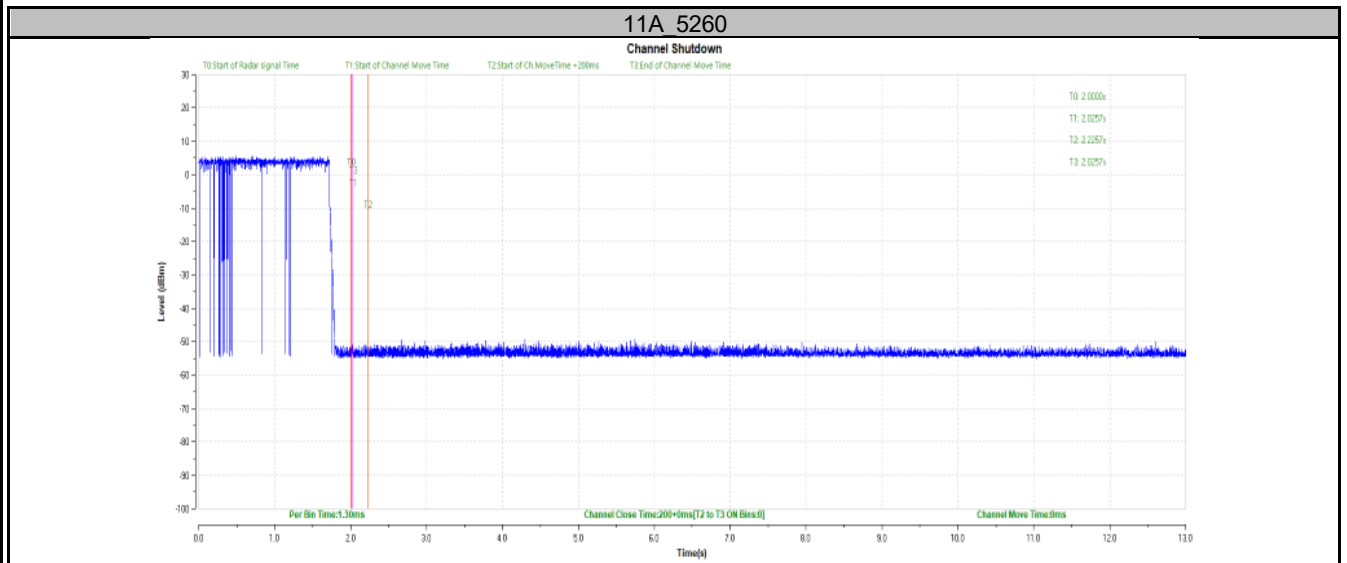
DFS Detection Thresholds

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5260	Type0	-57.05	-56.70	PASS
11AC80SISO	5530	Type0	-57.19	-56.70	PASS



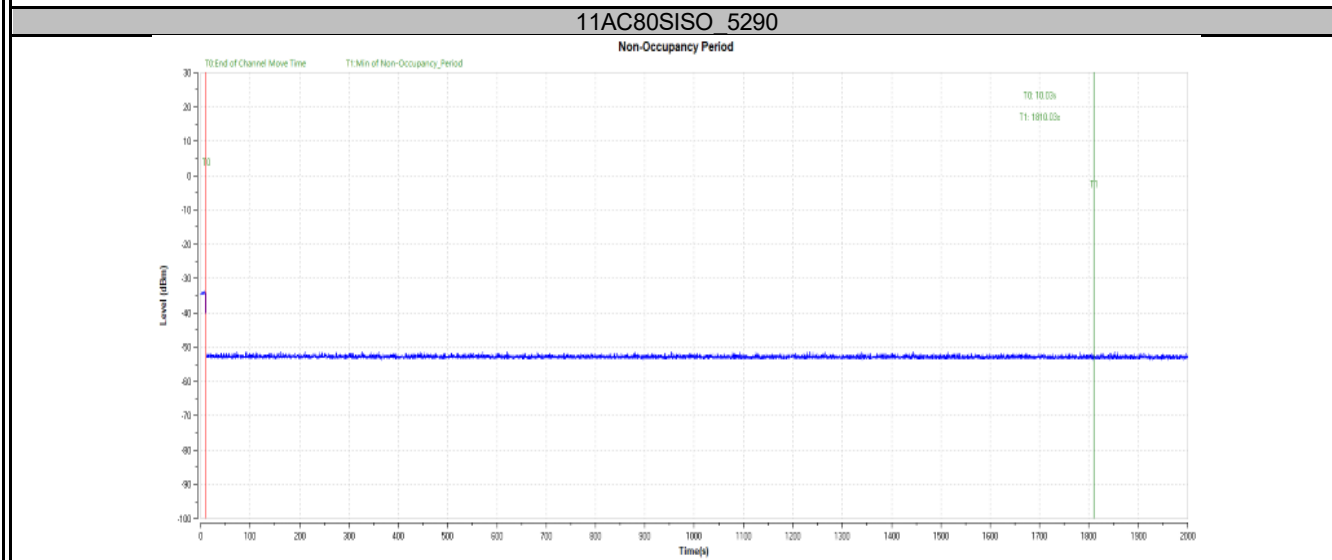
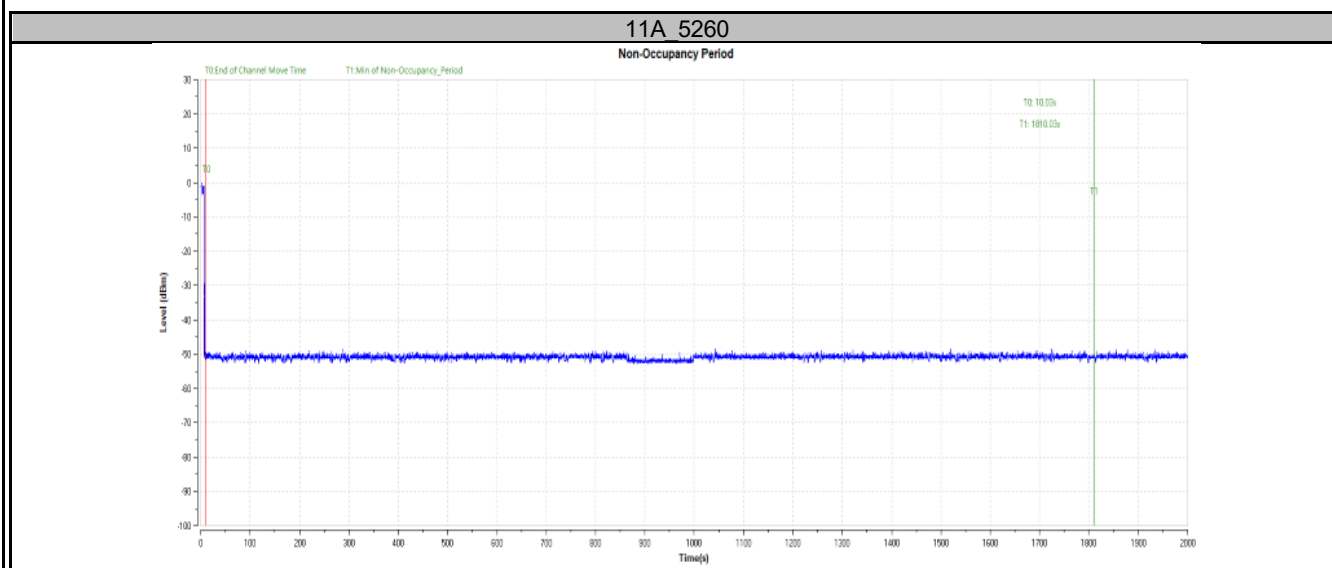
Channel Move Time and Channel Closing Transmission Time

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5260	200+0	200+60	0	10000	PASS
11AC80SISO	5530	200+0	200+60	0	10000	PASS



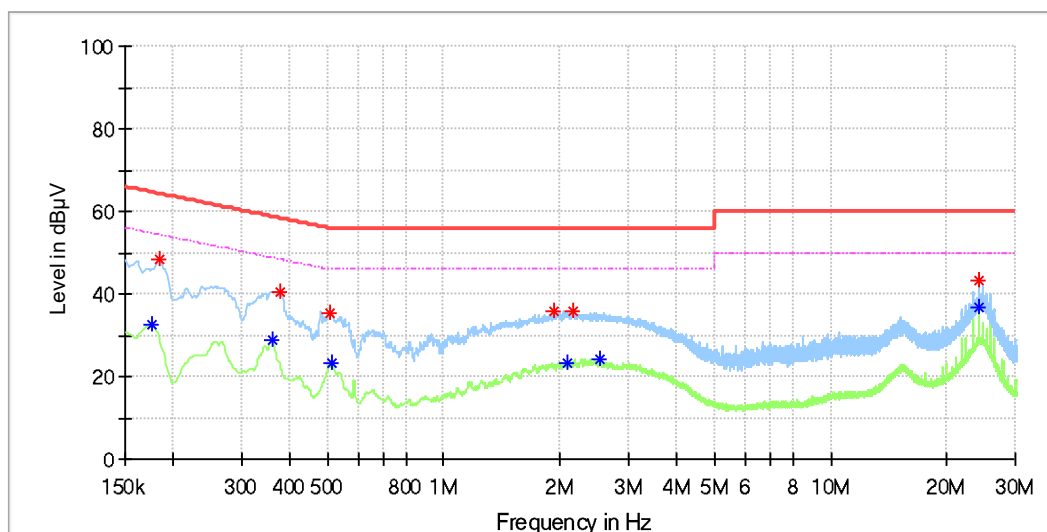
Non-Occupancy Period

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11A	5260	see test graph	≥1800	PASS
11AC80SISO	5530	see test graph	≥1800	PASS



EUT Information

EUT Name:	Dyson Spot+Scrub Ai
Order Number:	168569215
Model:	RB05-A
Test Mode:	Charging
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15
Test By:/Review By:	Simon Feng/ Murphy Chen
Tem./Hum./Pressure:	24.3°C/51.5%/101kPa
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.177	---	32.57	54.65	22.08	N	10.2
0.183	48.46	---	64.34	15.89	N	10.2
0.359	---	28.64	48.75	20.12	N	10.2
0.377	40.64	---	58.34	17.70	N	10.2
0.505	35.39	---	56.00	20.61	N	10.3
0.515	---	23.24	46.00	22.76	N	10.3
1.936	35.99	---	56.00	20.01	N	10.3
2.077	---	23.42	46.00	22.58	N	10.3
2.168	35.74	---	56.00	20.26	N	10.3
2.530	---	24.20	46.00	21.80	N	10.3
24.048	43.37	---	60.00	16.63	N	11.2
24.053	---	36.63	50.00	13.37	N	11.2

Final Result

[illegible]