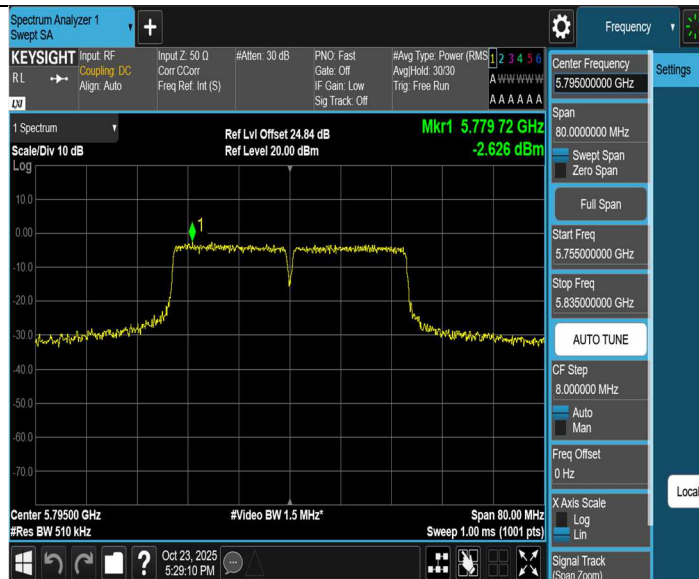




11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5550



11AX40SISO_Ant1_5670



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795



Appendix A.6: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20SIS O	Ant1	5180	NV	NT	-14000.00	-2.702703	20	PASS
		5200	NV	NT	-15000.00	-2.884615	20	PASS
		5240	NV	NT	-16000.00	-3.053435	20	PASS
		5260	NV	NT	-16500.00	-3.136882	20	PASS
		5280	NV	NT	-16500.00	-3.125000	20	PASS
		5320	NV	NT	-17000.00	-3.195489	20	PASS
		5500	NV	NT	-19000.00	-3.454545	20	PASS
		5580	NV	NT	-19500.00	-3.494624	20	PASS
		5700	NV	NT	-20000.00	-3.508772	20	PASS
		5745	NV	NT	-21500.00	-3.742385	20	PASS
		5785	NV	NT	-21500.00	-3.716508	20	PASS
		5825	NV	NT	-22000.00	-3.776824	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20SIS O	Ant1	5180	NV	0	-14000.00	-2.702703	20	PASS
			NV	40	-14000.00	-2.702703	20	PASS
		5200	NV	0	-15000.00	-2.884615	20	PASS
			NV	40	-15000.00	-2.884615	20	PASS
		5240	NV	0	-16500.00	-3.148855	20	PASS
			NV	40	-16000.00	-3.053435	20	PASS
		5260	NV	0	-17000.00	-3.231939	20	PASS
			NV	40	-16500.00	-3.136882	20	PASS
		5280	NV	0	-17000.00	-3.219697	20	PASS
			NV	40	-17000.00	-3.219697	20	PASS
		5320	NV	0	-17500.00	-3.289474	20	PASS
			NV	40	-18000.00	-3.383459	20	PASS
		5500	NV	0	-18500.00	-3.363636	20	PASS
			NV	40	-19000.00	-3.454545	20	PASS
		5580	NV	0	-19000.00	-3.405018	20	PASS
			NV	40	-19500.00	-3.494624	20	PASS
		5700	NV	0	-20000.00	-3.508772	20	PASS
			NV	40	-20500.00	-3.596491	20	PASS
		5745	NV	0	-20500.00	-3.568320	20	PASS
			NV	40	-20000.00	-3.481288	20	PASS
		5785	NV	0	-21000.00	-3.630078	20	PASS
			NV	40	-21000.00	-3.630078	20	PASS
		5825	NV	0	-21500.00	-3.690987	20	PASS
			NV	40	-22000.00	-3.776824	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

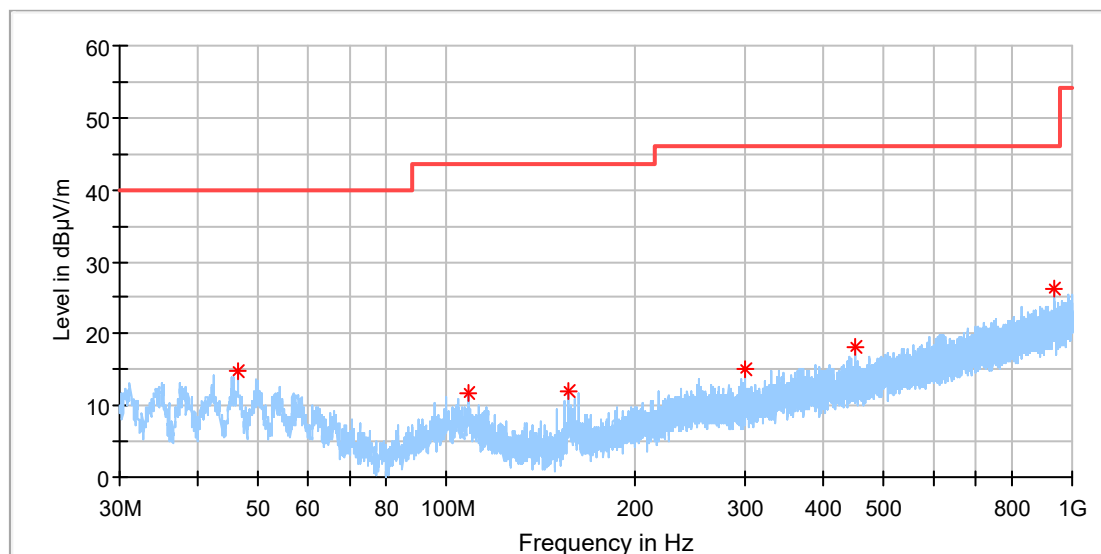
Note:

- 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:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

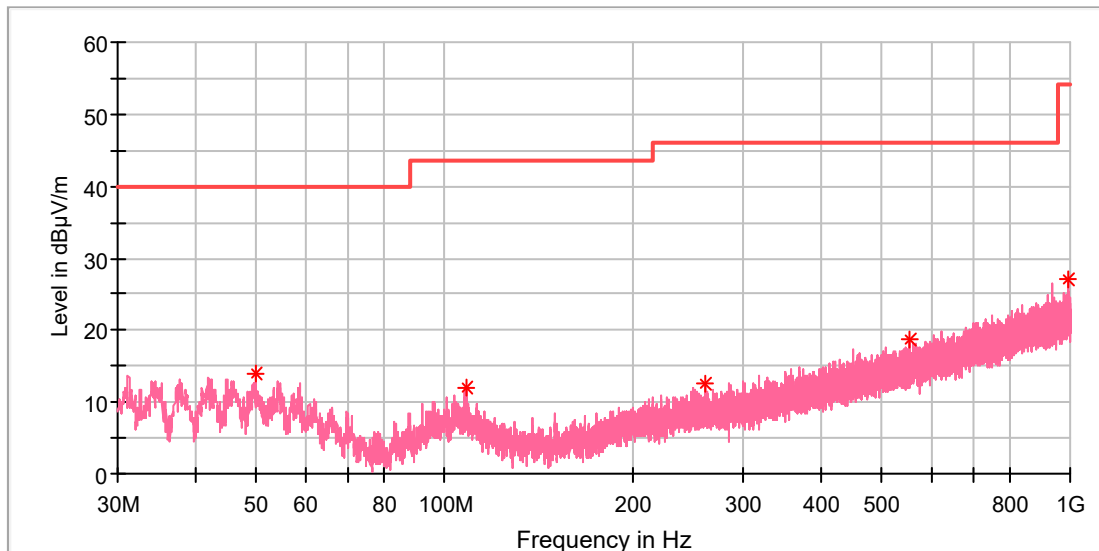
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.415385	14.86	40.00	25.14	100.0	H	55.0	-18.7
108.458077	11.74	43.50	31.76	100.0	H	55.0	-19.1
157.032692	12.13	43.50	31.37	100.0	H	162.0	-21.9
299.995769	14.96	46.00	31.04	100.0	H	80.0	-16.3
450.010000	18.02	46.00	27.98	100.0	H	298.0	-12.8
938.442308	26.17	46.00	19.83	100.0	H	245.0	-4.4

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:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
49.996923	14.06	40.00	25.94	100.0	V	0.0	-18.4
108.271539	12.06	43.50	31.44	100.0	V	79.0	-19.1
260.113846	12.60	46.00	33.40	100.0	V	47.0	-17.1
552.718077	18.69	46.00	27.31	100.0	V	316.0	-10.7
992.463846	27.17	54.00	26.83	100.0	V	255.0	-3.6

Final Result

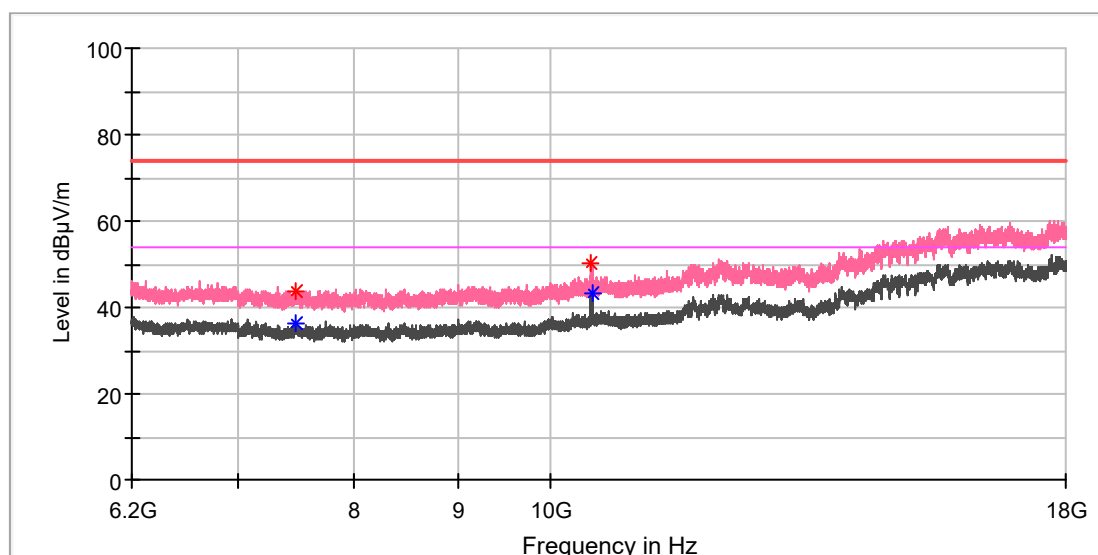
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)	PoI	Azimuth (deg)	Corr. (dB/m)
7472.925000	---	36.06	54.00	17.94	150.0	V	142.0	8.6
7482.266667	43.85	---	74.00	30.15	150.0	V	150.0	8.7
10473.566667	50.43	---	74.00	23.57	150.0	V	0.0	12.0
10480.450000	---	43.44	54.00	10.56	150.0	V	0.0	12.0

Final Result

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

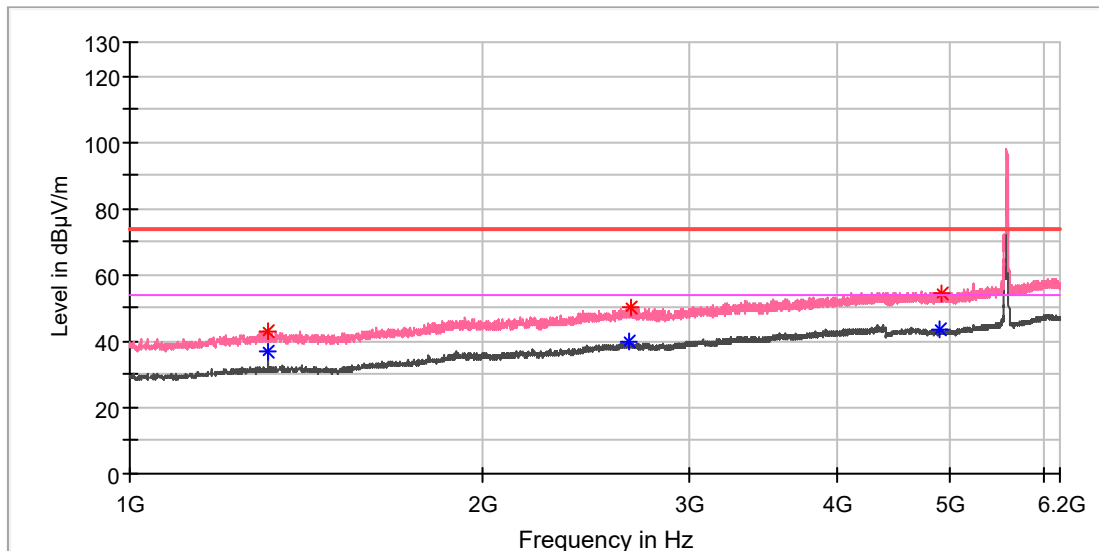
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr (dB/m)
----	----	----	----	----	----		----	----

EUT Information

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch116
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)	PoI	Azimuth (deg)	Corr. (dB/m)
1312.000000	---	37.05	54.00	16.95	150.0	V	281.0	2.8
1312.500000	43.12	---	74.00	30.88	150.0	V	246.0	2.8
2658.000000	---	39.61	54.00	14.39	150.0	V	240.0	10.2
2673.500000	50.04	---	74.00	23.96	150.0	V	49.0	10.2
4906.500000	---	43.48	54.00	10.52	150.0	V	214.0	13.3
4918.000000	54.71	---	74.00	19.29	150.0	V	113.0	13.3

Final_Result

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

EUT Information

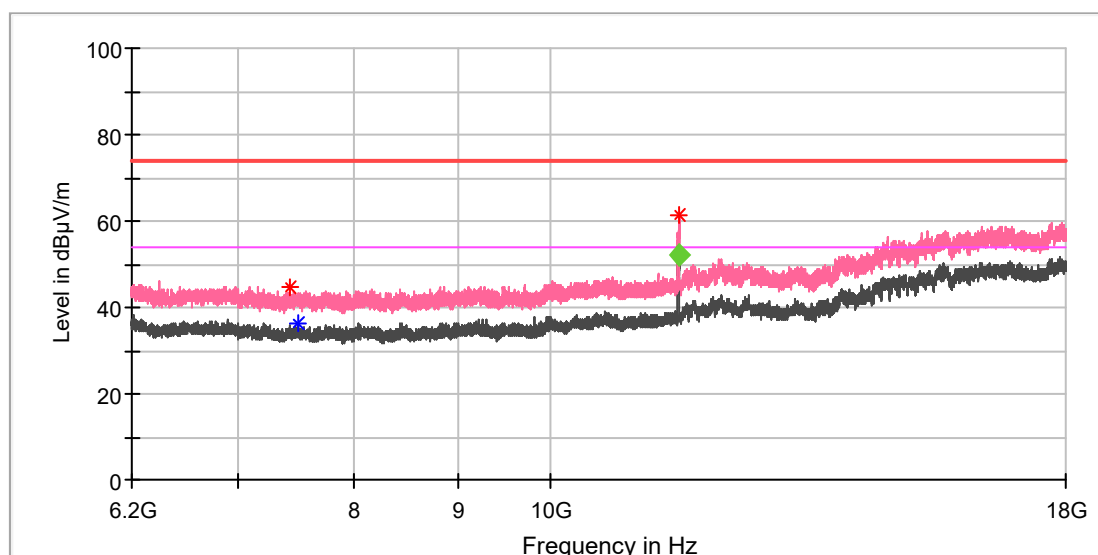
EUT Information

Frequency (MHz)	MaxPeak (dBμV/m)	Average (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)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: RRE0CPS
 Test Mode: WIFI 5G_11a_Ch157
 Order No/Sample No: 168558370/A004111880-001
 Test Voltage: Battery
 Remark: Temp 23 Humi:53%
 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)
7423.758333	44.74	---	74.00	29.26	150.0	V	110.0	8.4
7503.900000	---	36.17	54.00	17.83	150.0	V	126.0	8.7
11569.491667	61.20	---	74.00	12.80	150.0	V	5.0	13.4

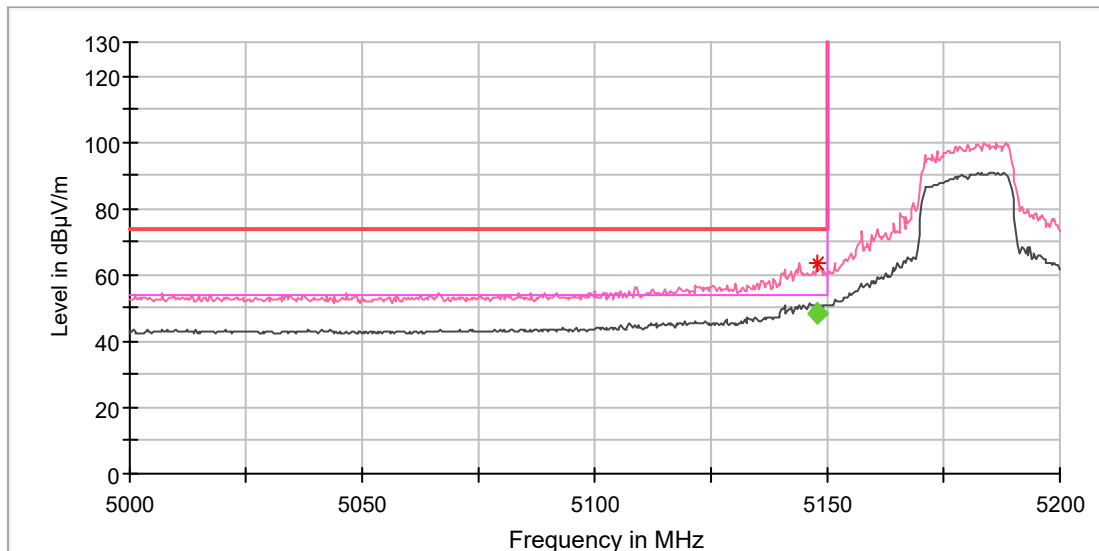
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11570.678750	---	51.90	54.00	2.10	150.0	V	5.0	13.4

Frequency (MHz)	MaxPeak (dBμV/m)	Average (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: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch36
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
5147.661111	63.52	---	74.00	10.48	150.0	V	59.0	13.9

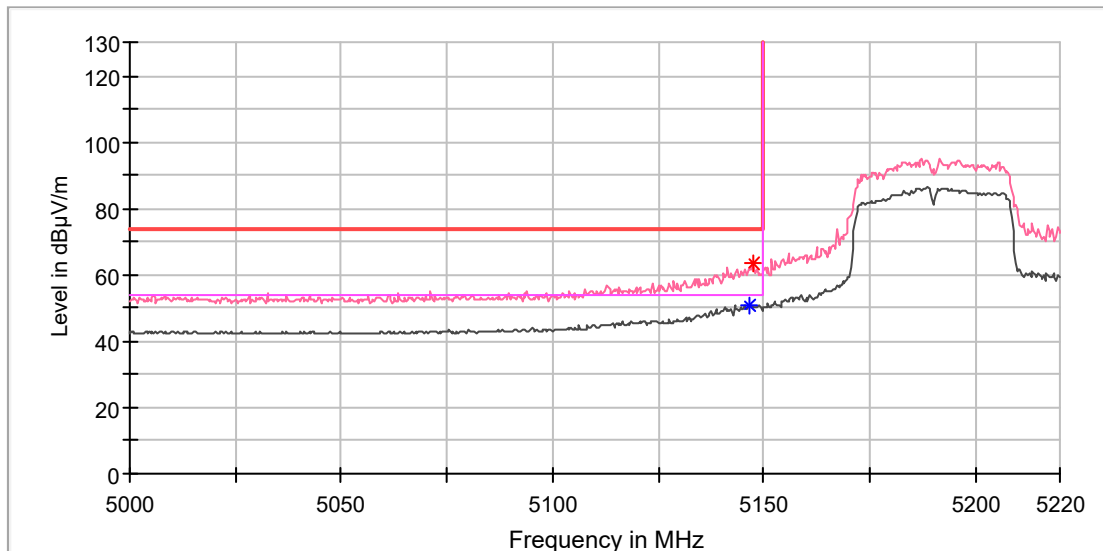
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5147.661111	---	48.51	54.00	5.49	150.0	V	46.0	13.9

EUT Information

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11n40_Ch38
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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	---	50.94	54.00	3.06	150.0	V	94.0	13.9
5147.333333	63.22	---	74.00	10.78	150.0	V	225.0	13.9

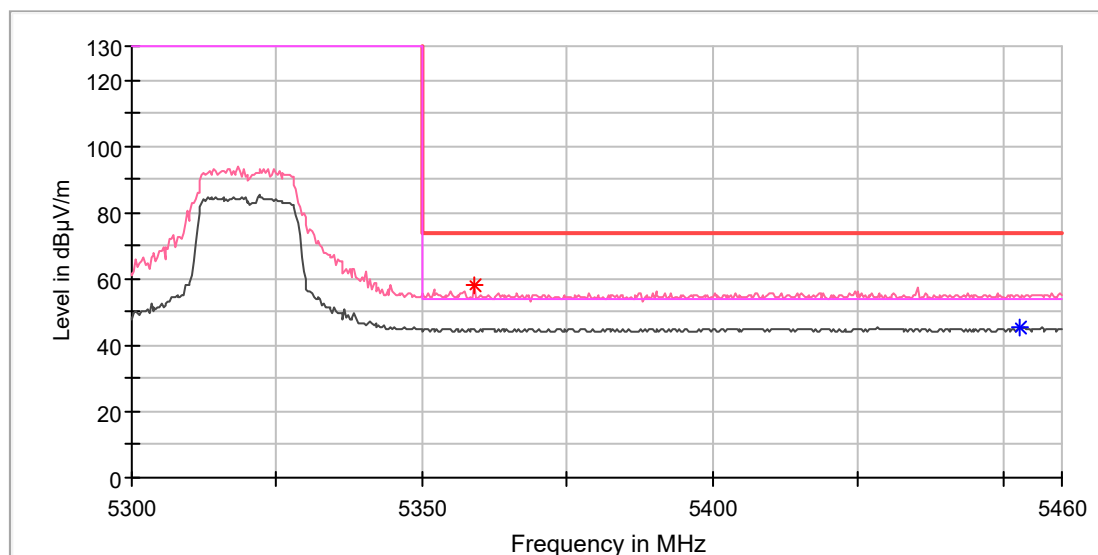
Final Result

[illegible]

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
5359.005556	57.95	---	74.00	16.05	150.0	V	176.0	14.8
5452.638889	---	45.41	54.00	8.59	150.0	V	199.0	15.0

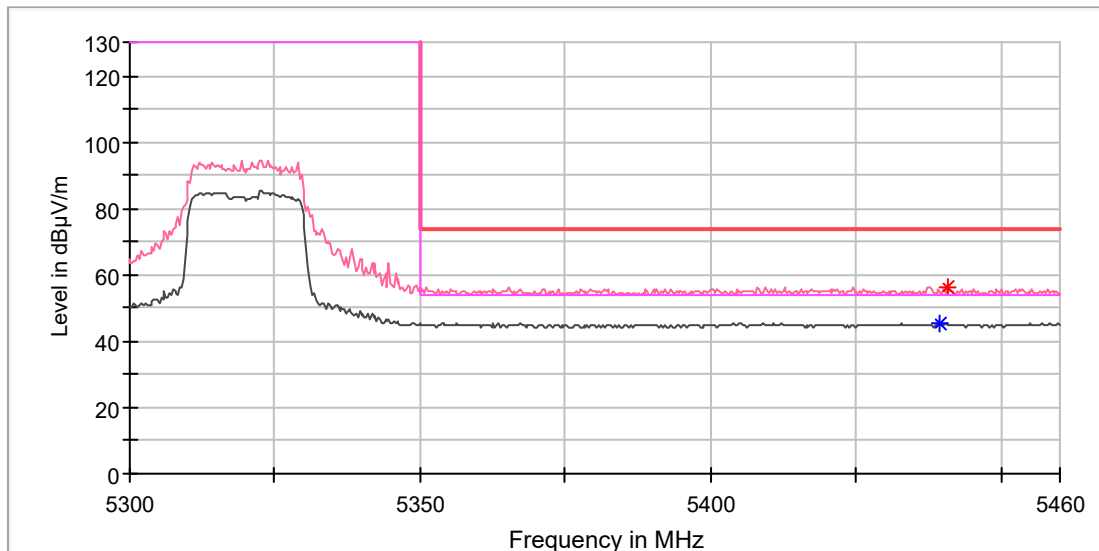
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (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)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11ax20_Ch64
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
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)
5439.388889	---	45.25	54.00	8.75	150.0	V	342.0	15.0
5440.861111	56.50	---	74.00	17.50	150.0	V	352.0	15.0

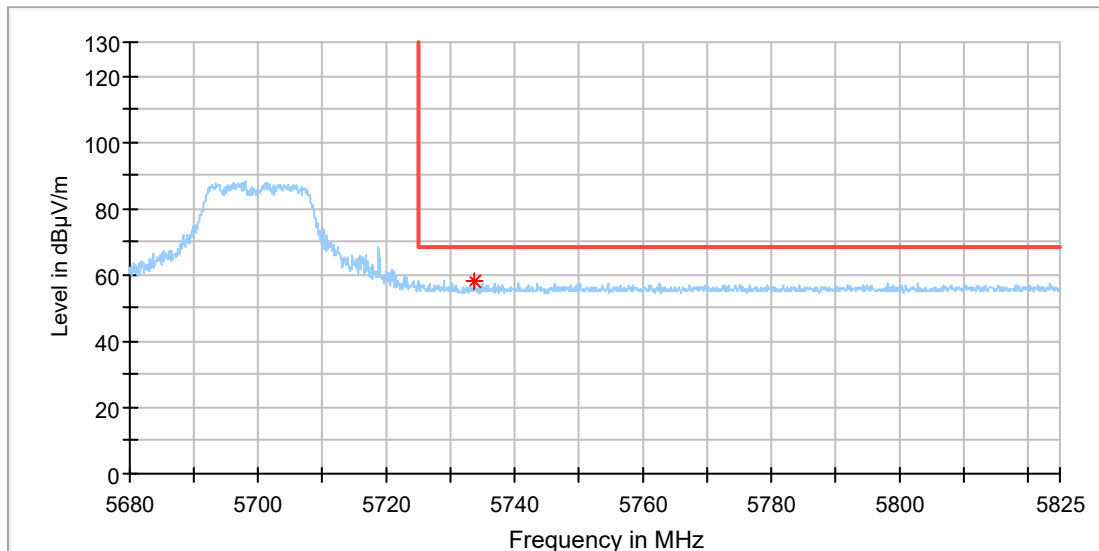
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (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)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

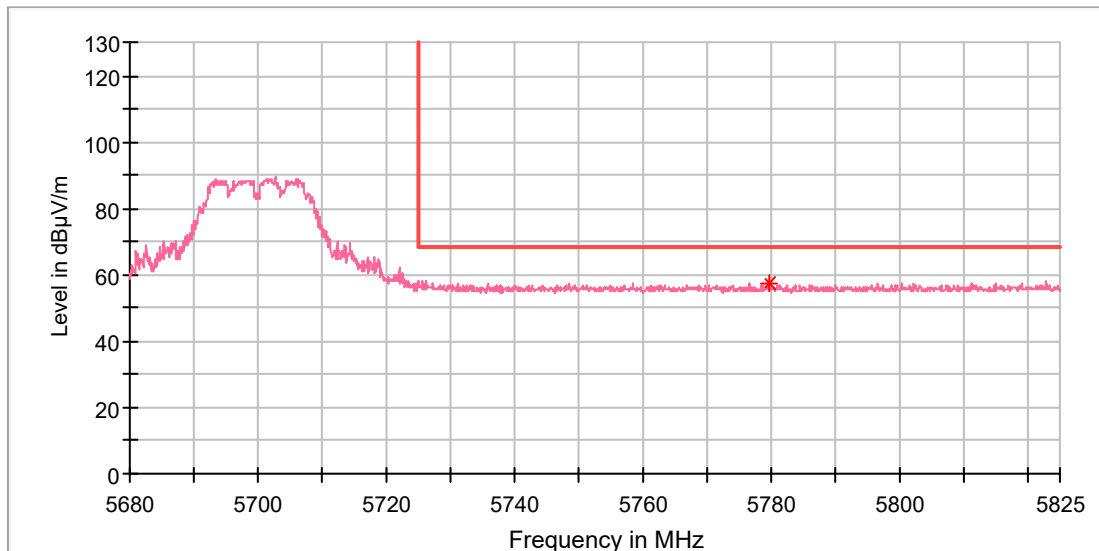
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5733.862500	58.01	68.20	10.19	150.0	H	130.0	15.4

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: RRE0CPS
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
5779.670833	57.68	68.20	10.52	150.0	V	287.0	15.5

Final_Result

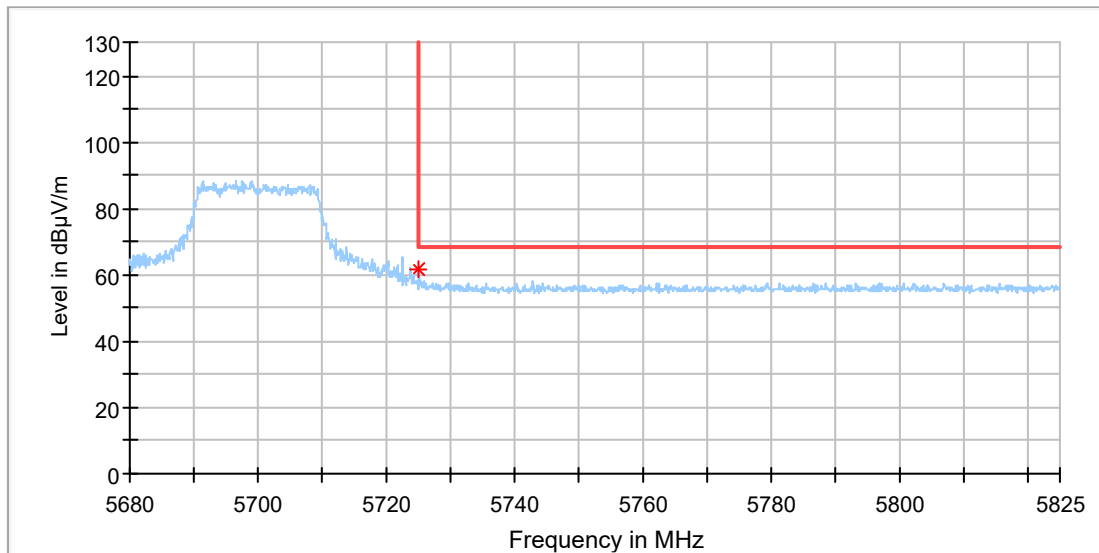
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

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

EUT Information

EUT Name: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch140
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

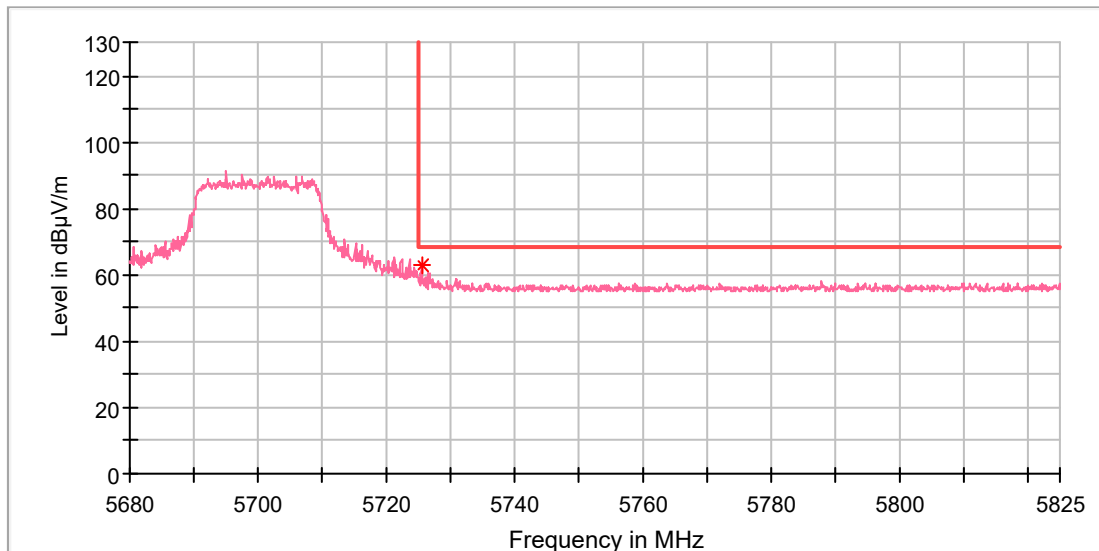
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.141667	61.76	68.20	6.44	150.0	H	127.0	15.4

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: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch140
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
5725.525000	63.01	68.20	5.19	150.0	V	78.0	15.4

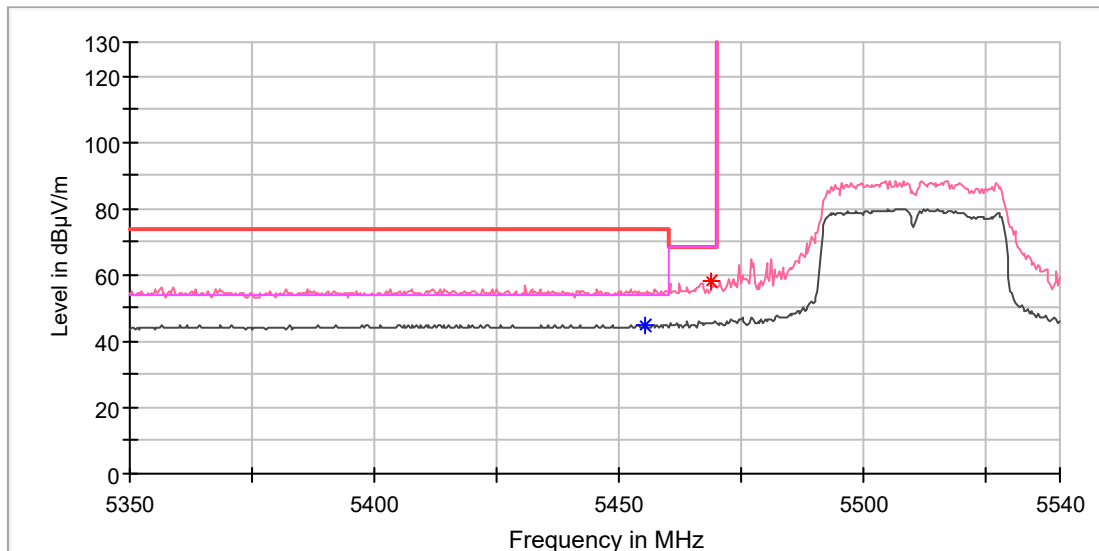
Final_Result

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)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11n40_Ch102
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

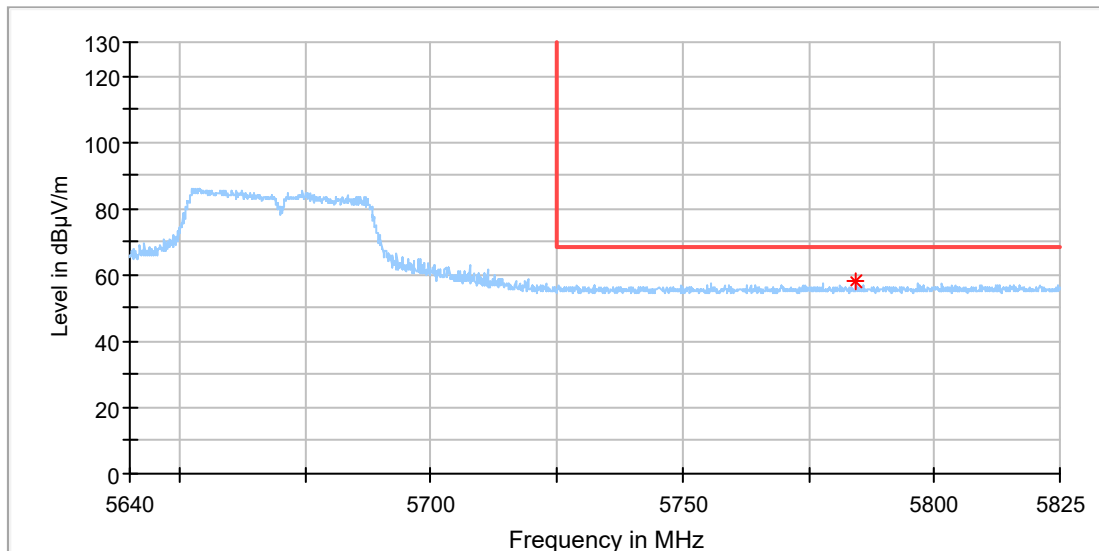
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5455.116667	---	44.78	54.00	9.22	150.0	V	88.0	15.1
5468.883333	58.09	---	68.20	10.11	150.0	V	83.0	15.1

Final Result

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

EUT Name: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch134
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

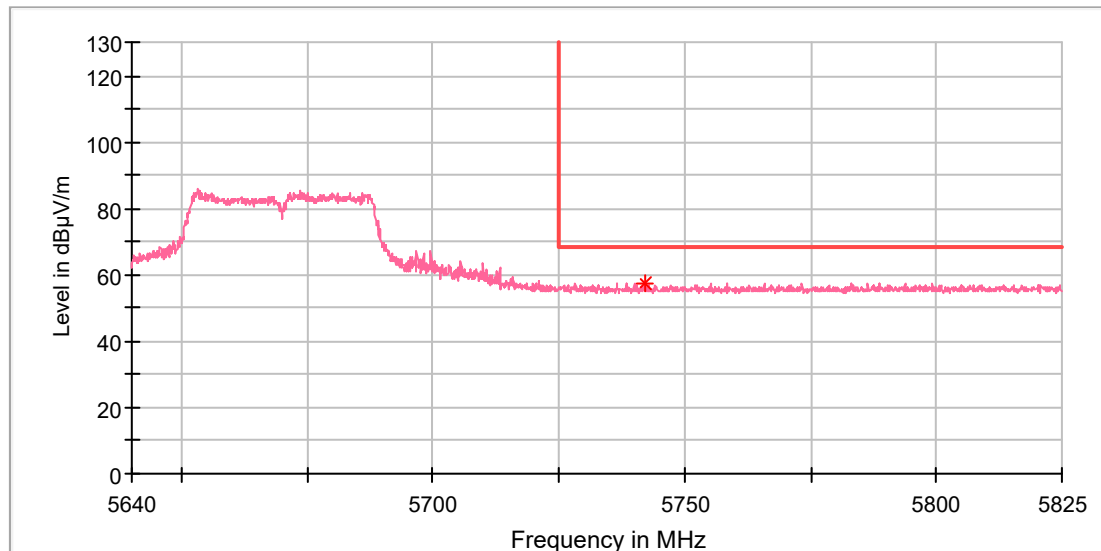
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5784.462500	58.03	68.20	10.17	150.0	H	22.0	15.5

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: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch134
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
5742.104167	57.59	68.20	10.61	150.0	V	315.0	15.4

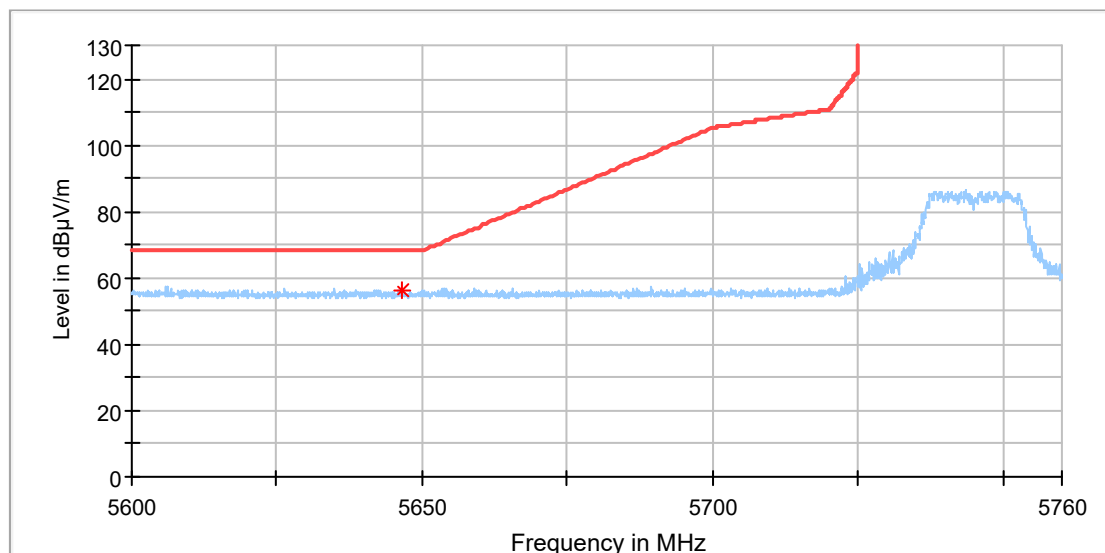
Final Result

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:	Robotic Vacuum Cleaner
Model:	RRE0CPS
Test Mode:	WIFI 5G_11a_Ch149
Order No/Sample No:	168558370/A004111880-001
Test Voltage:	Battery
Remark:	Temp 23 Humi:53%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

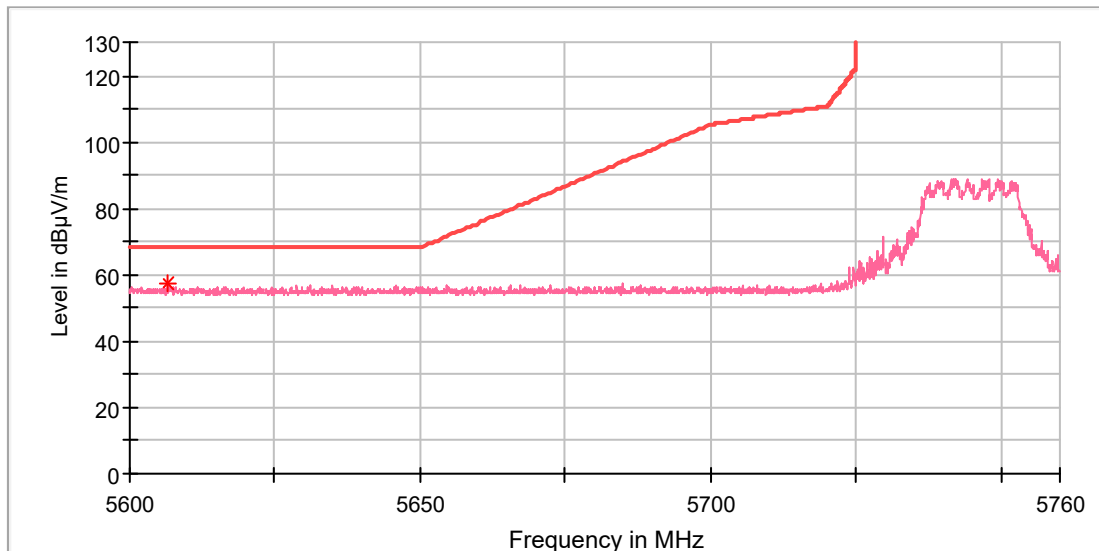
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.383333	56.52	68.20	11.68	150.0	H	0.0	15.3

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: RRE0CPS
Test Mode: WIFI 5G_11a_Ch149
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

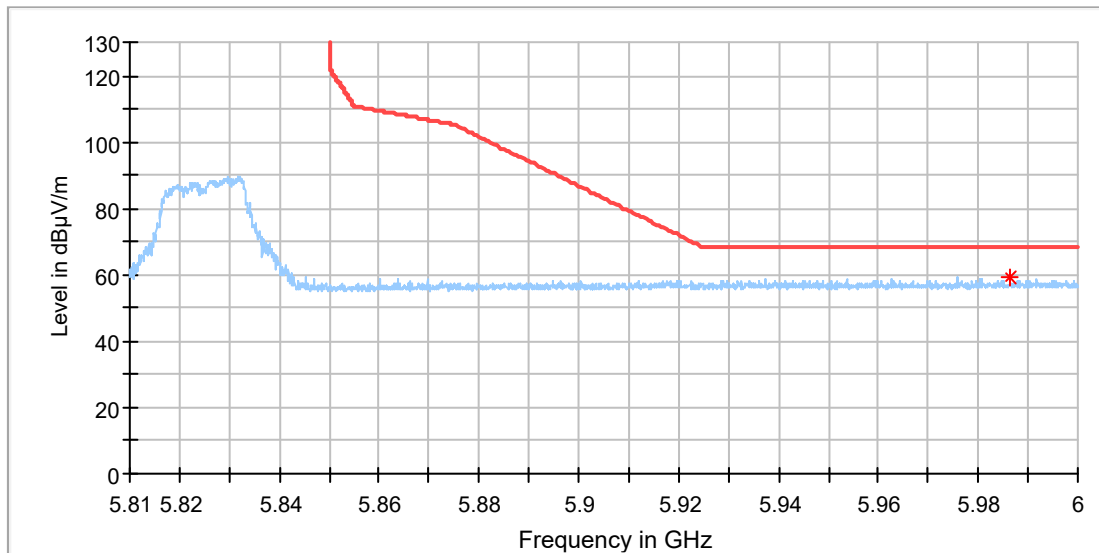
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5606.722222	57.18	68.20	11.02	150.0	V	244.0	15.3

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: RRE0CPS
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

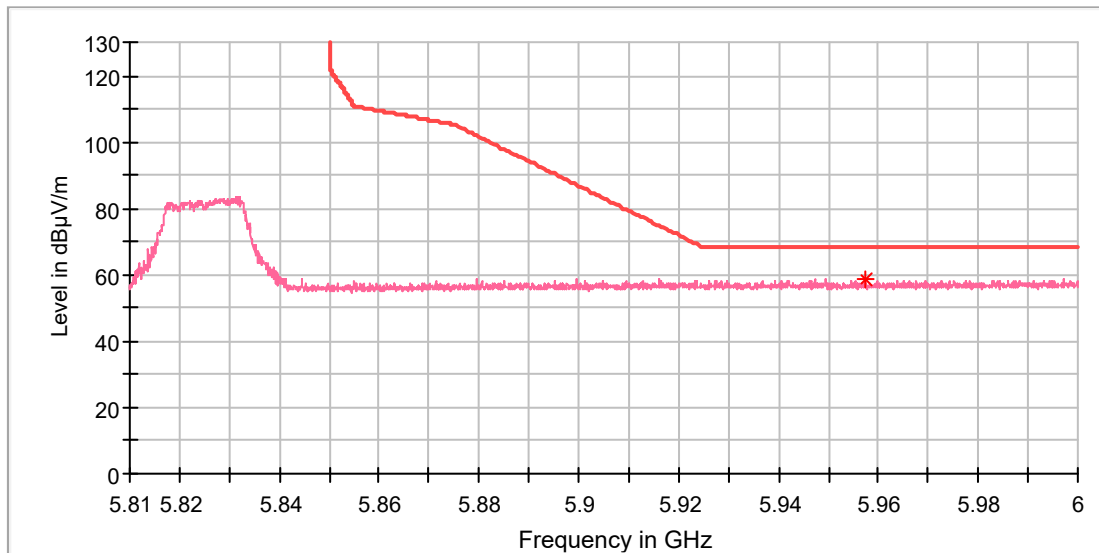
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5986.250000	59.29	68.20	8.91	150.0	H	97.0	16.4

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: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

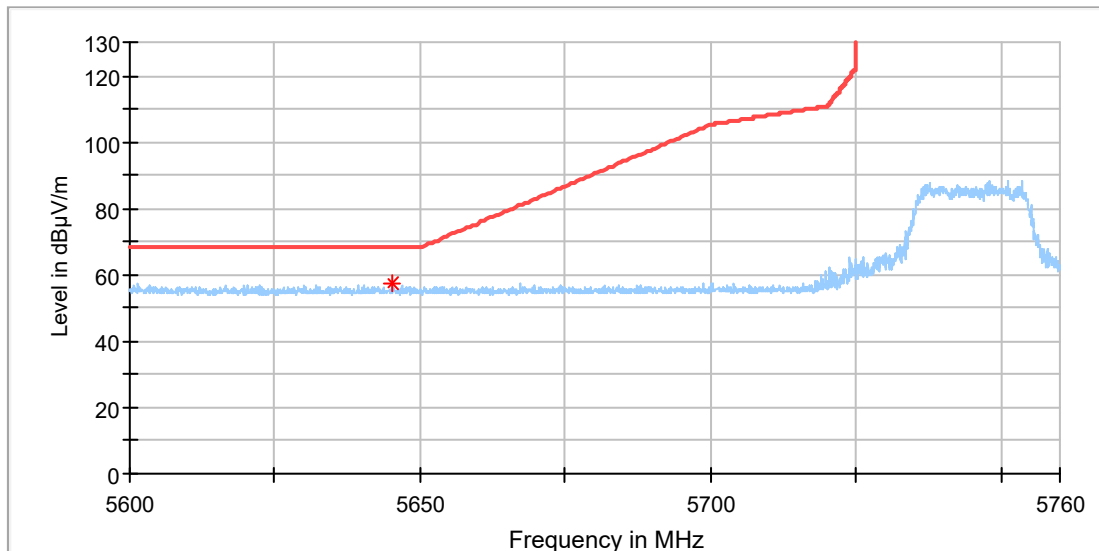
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5957.298611	58.56	68.20	9.64	150.0	V	133.0	16.3

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: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch149
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

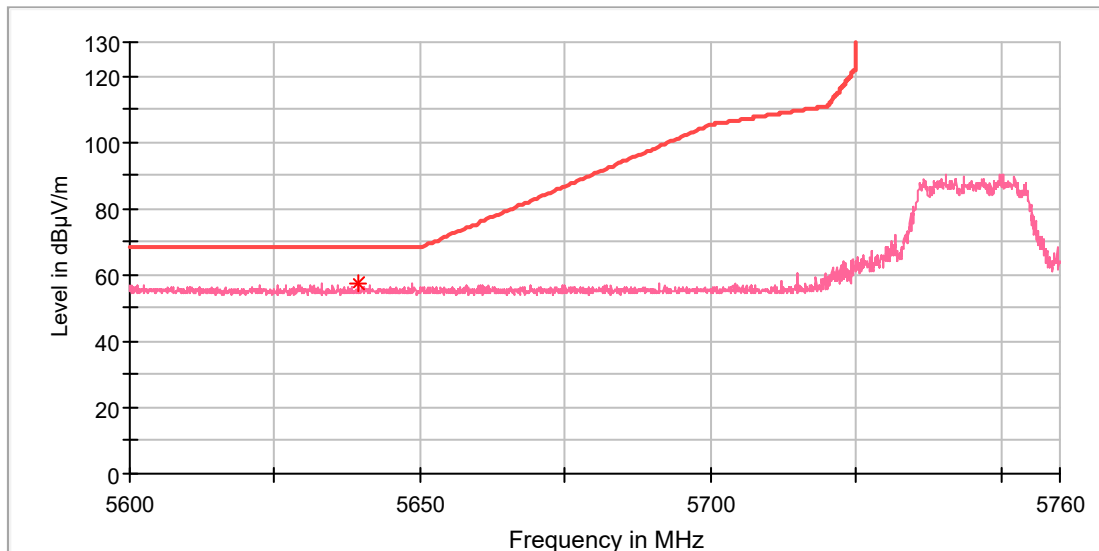
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.222222	57.24	68.20	10.96	150.0	H	29.0	15.3

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: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch149
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

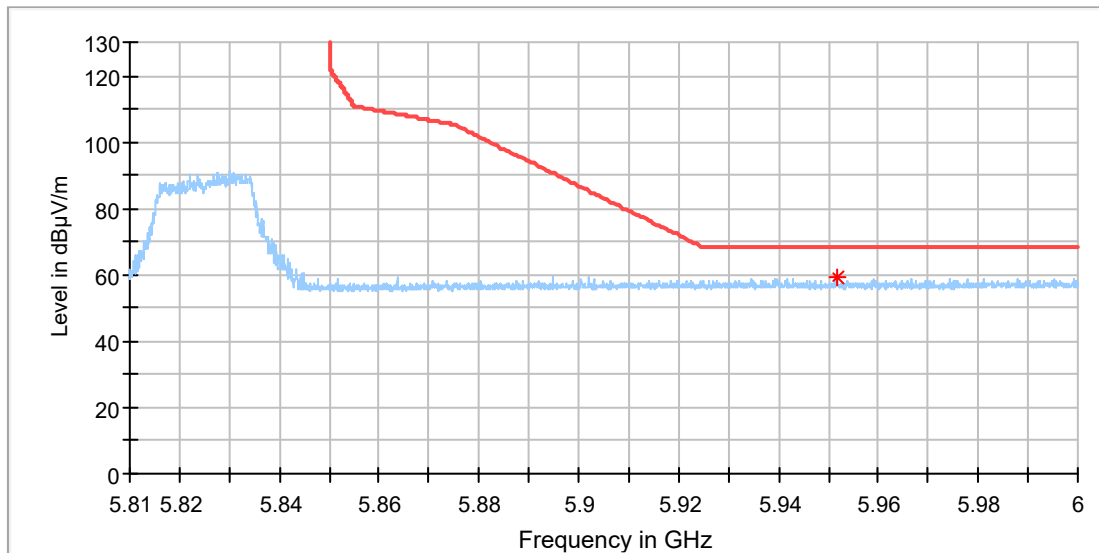
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5639.477778	57.72	68.20	10.48	150.0	V	73.0	15.3

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: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch165
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

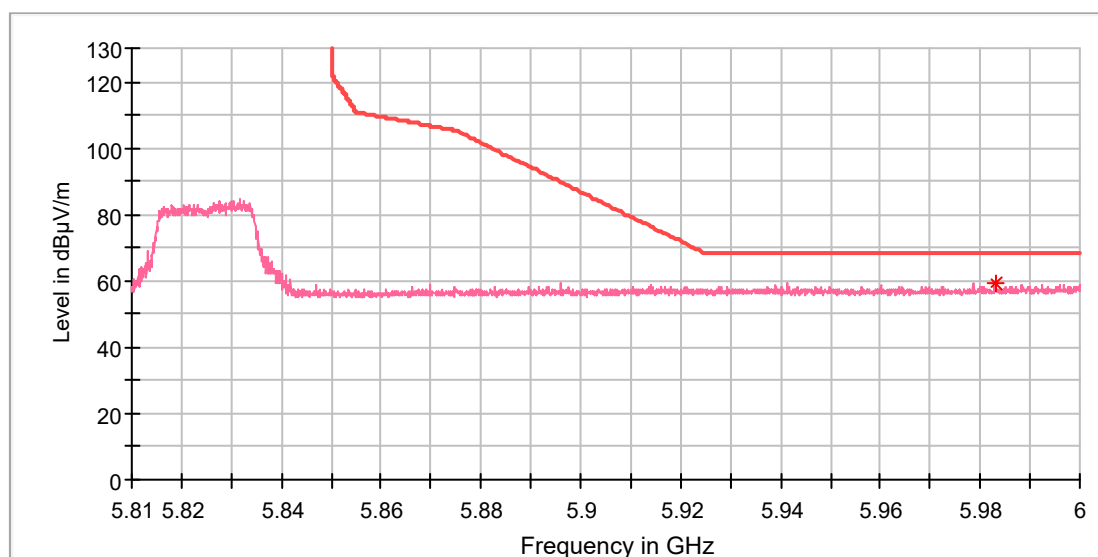
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5951.798611	59.08	68.20	9.12	150.0	H	265.0	16.3

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: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11ax20_Ch165
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

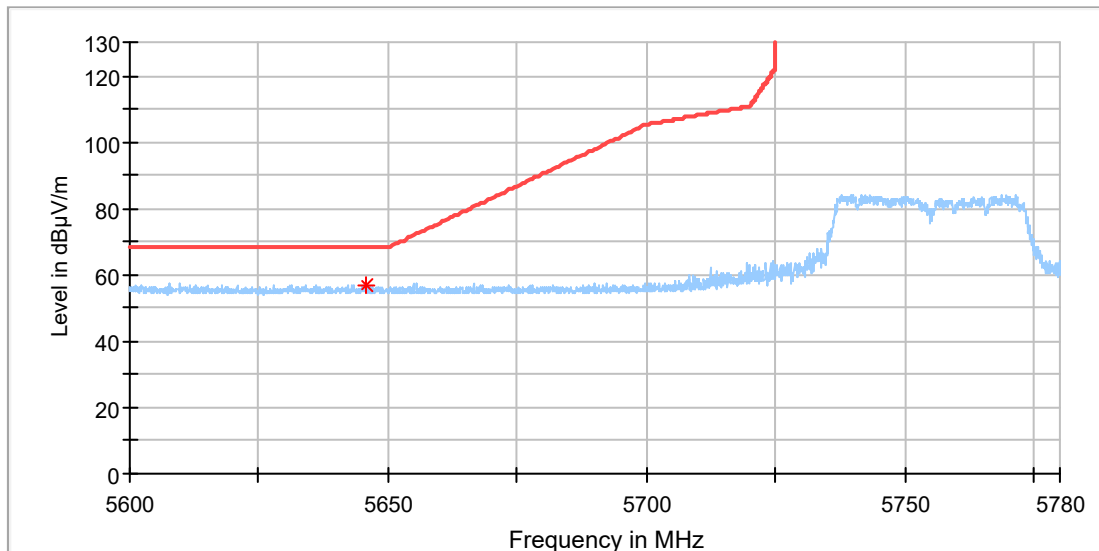
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5983.194445	59.28	68.20	8.92	150.0	V	103.0	16.4

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: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

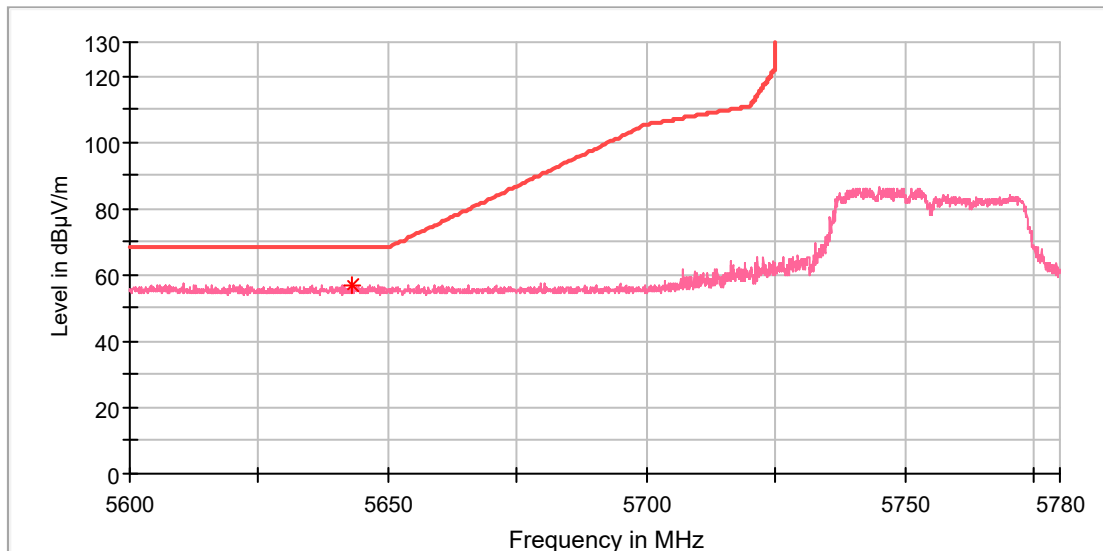
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.833333	57.03	68.20	11.17	150.0	H	87.0	15.3

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: Robotic Vacuum Cleaner
Model: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch151
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

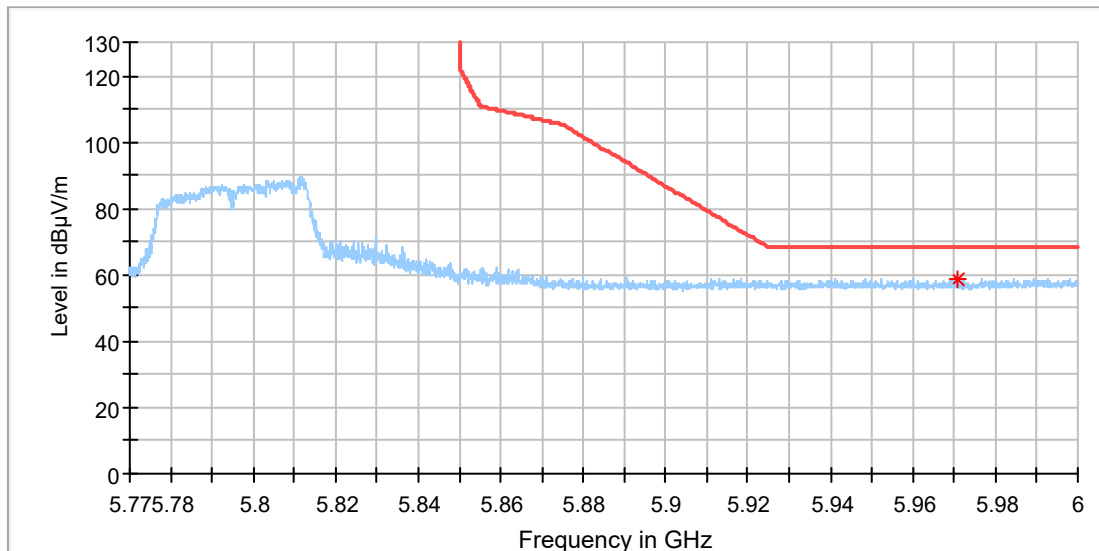
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5643.083333	57.12	68.20	11.08	150.0	V	177.0	15.3

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: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

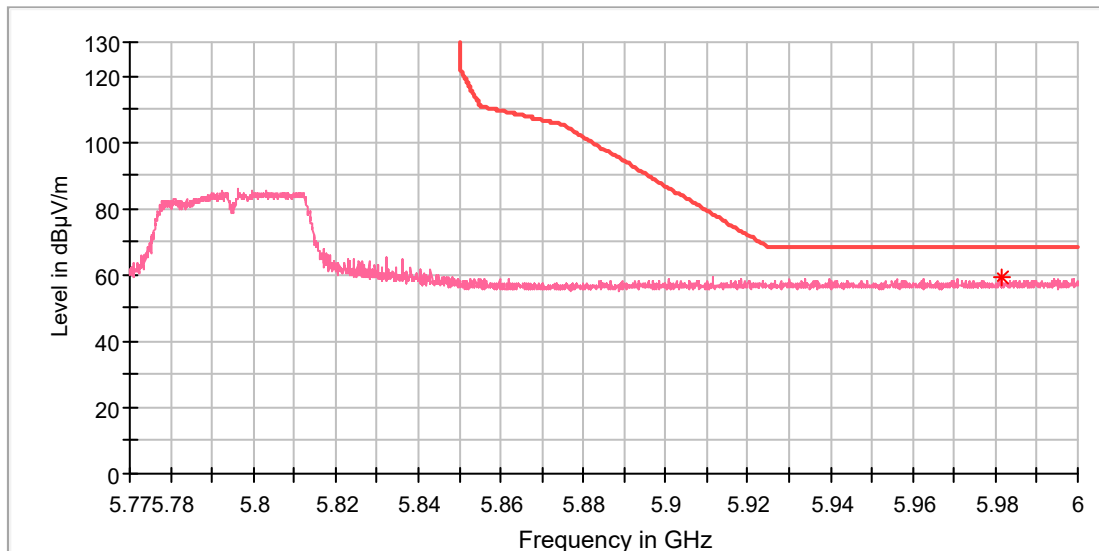
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5970.590278	58.76	68.20	9.44	150.0	H	338.0	16.4

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: RRE0CPS
Test Mode: WIFI 5G_11n40_Ch159
Order No/Sample No: 168558370/A004111880-001
Test Voltage: Battery
Remark: Temp 23 Humi:53%
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)
5981.666667	59.07	68.20	9.13	150.0	V	169.0	16.4

Final_Result

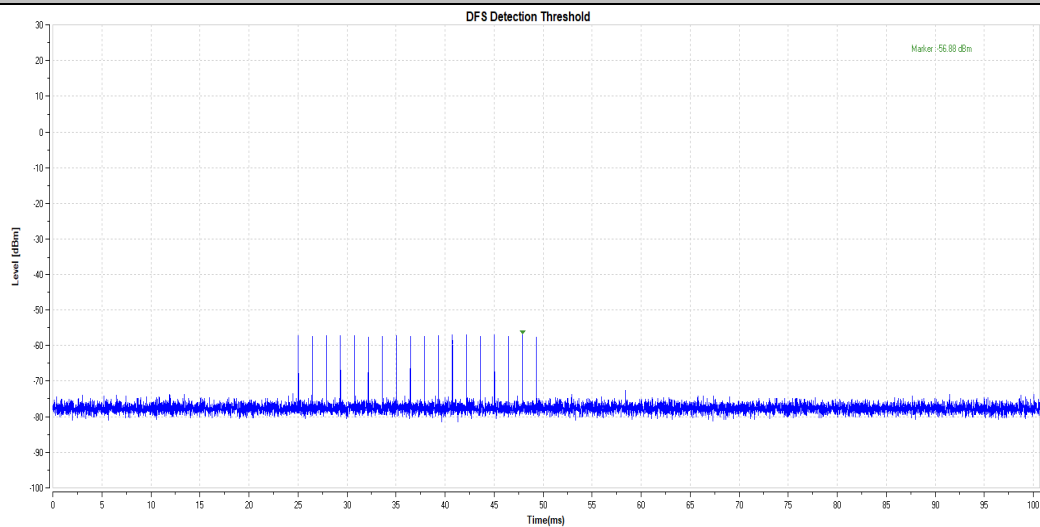
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.9: Test Results of Dynamic Frequency Selection (DFS)

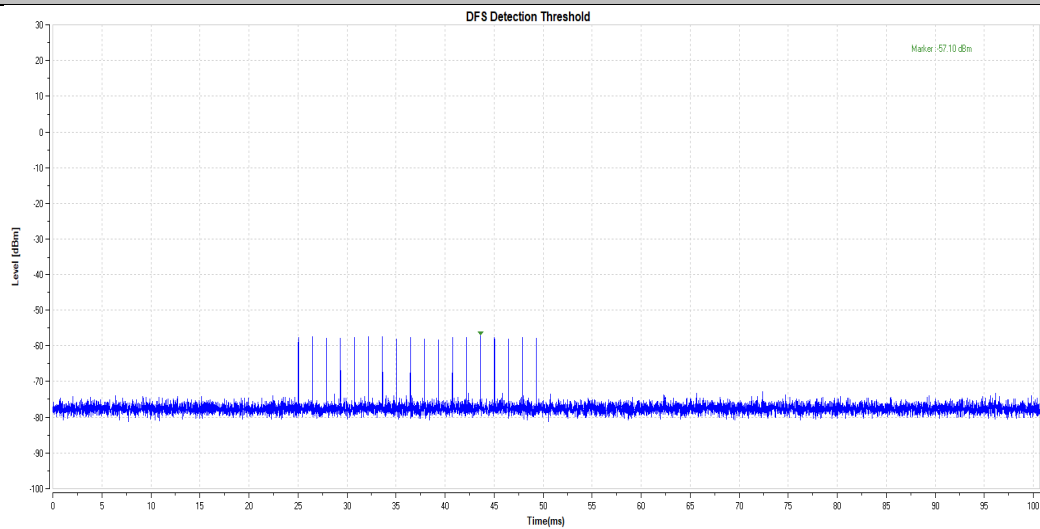
DFS Detection Thresholds

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5260	Type0	-56.88	-58.45	PASS
11AX40SISO	5510	Type0	-57.10	-58.45	PASS

11A_5260_Type0



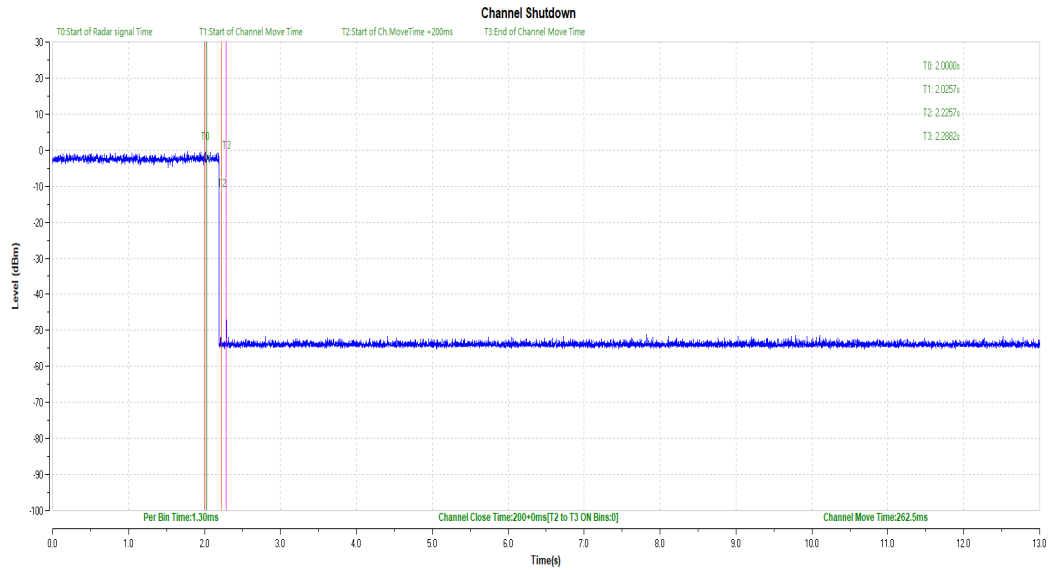
11AX40SISO_5510_Type0



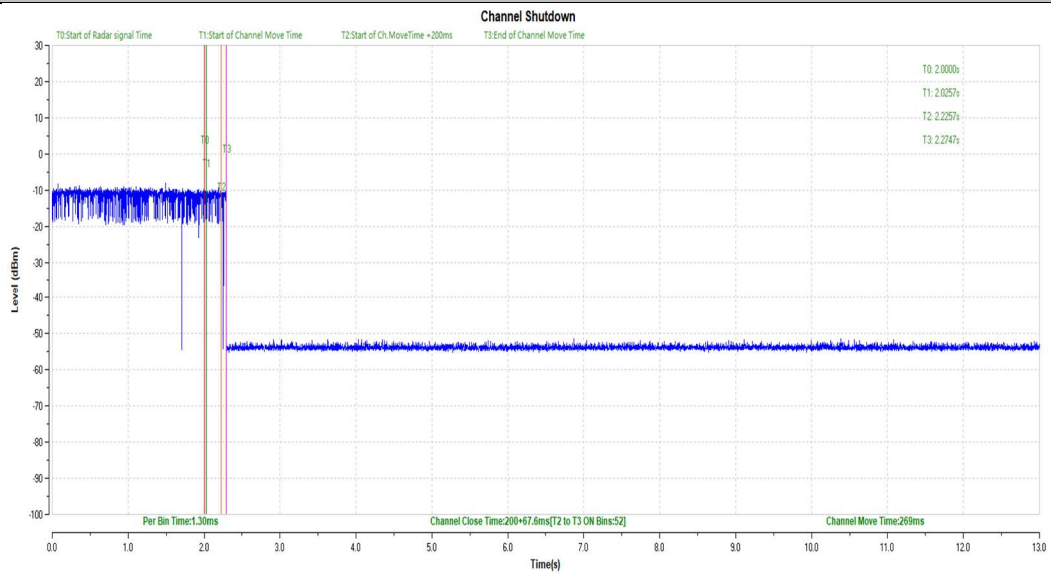
Channel Move Time and Channel Closing Transmission Time

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5260	200+0	200+60	262.5	10000	PASS
11AX40SISO	5510	200+47.6	200+60	249	10000	PASS

11A_5260



11AX40SISO_5510

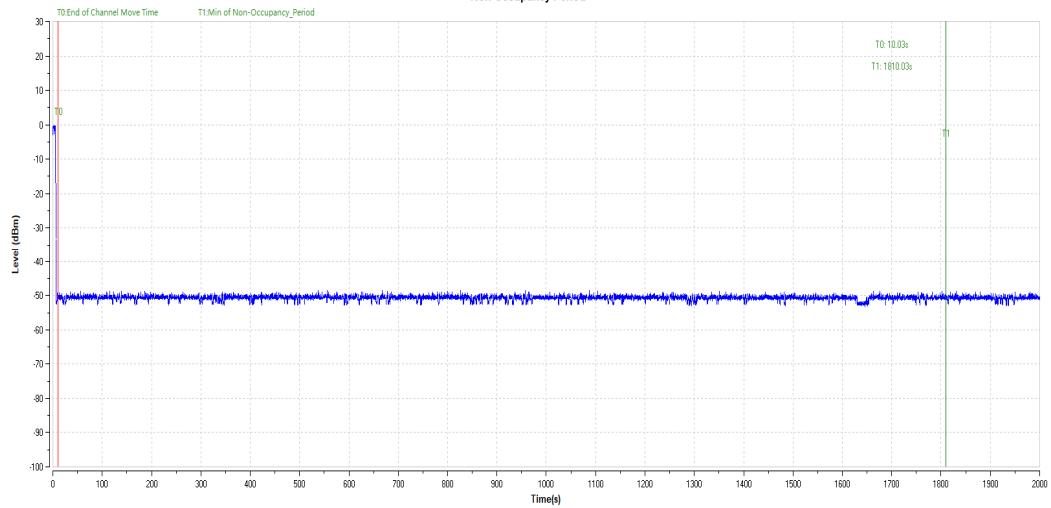


Non-Occupancy Period

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11A	5260	see test graph	≥1800	PASS
11AX40SISO	5510	see test graph	≥1800	PASS

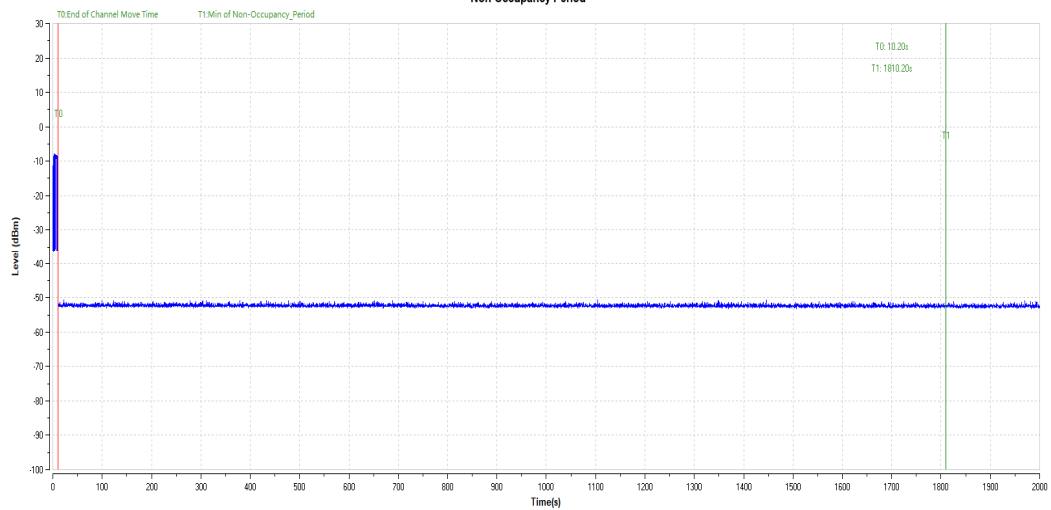
11A_5260

Non-Occupancy Period



11AX40SISO_5510

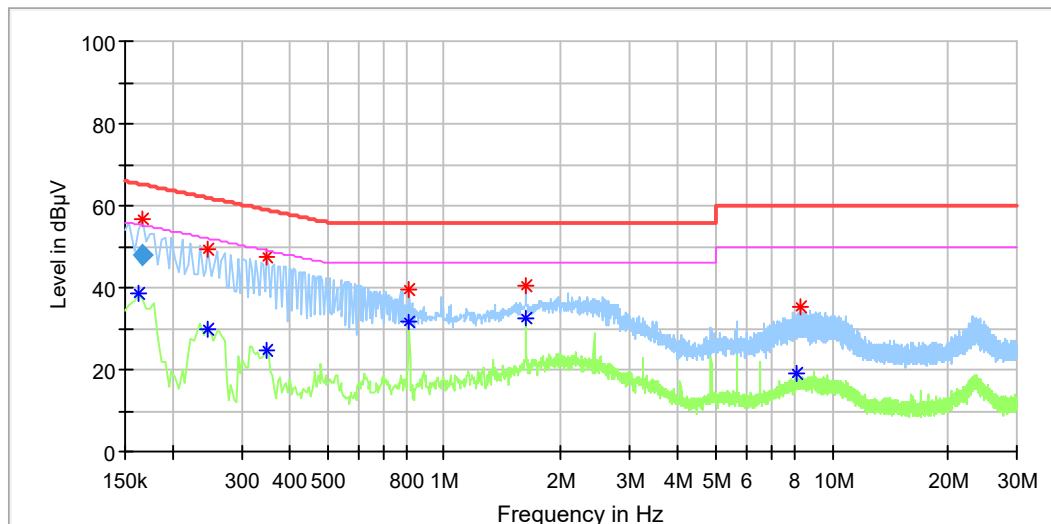
Non-Occupancy Period



Appendix A.10: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Robotic Vacuum Cleaner
Order Number: 168558370(P01973680)
Model: RRE0CPS
Test Mode: Charging + working
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Leon Zhu / Murphy Chen
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa
Remark: SR 3



Critical Freqs

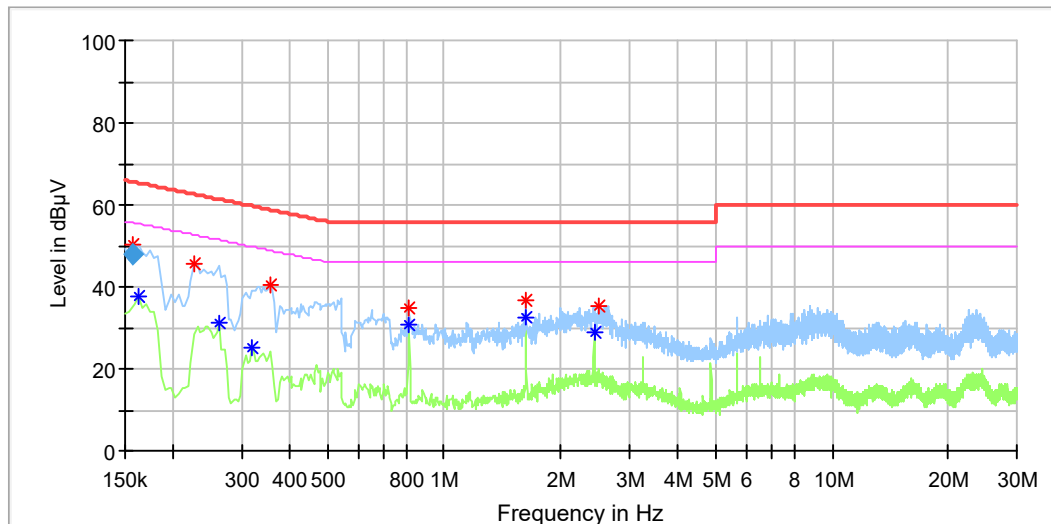
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162	---	38.5	55.36	16.86	L1	9.6
0.166	56.9	---	65.16	8.28	L1	9.6
0.246	---	29.7	51.89	22.17	L1	9.7
0.246	49.4	---	61.89	12.45	L1	9.7
0.350	---	24.5	48.96	24.47	L1	9.6
0.350	47.3	---	58.96	11.65	L1	9.6
0.814	---	31.6	46.00	14.37	L1	9.7
0.814	39.7	---	56.00	16.25	L1	9.7
1.622	---	32.5	46.00	13.47	L1	9.6
1.622	40.3	---	56.00	15.69	L1	9.6
8.118	---	19.1	50.00	30.87	L1	9.9
8.286	35.4	---	60.00	24.62	L1	9.9

Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.166	48.0	---	65.18	17.14	1000.0	9.0	L1	9.6

EUT Information

EUT Name: Robotic Vacuum Cleaner
Order Number: 168558370(P01973680)
Model: RRE0CPS
Test Mode: Charging + working
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Leon Zhu / Murphy Chen
Tem./Hum./Pressure: 24.0°C/52.1%/101kPa
Remark: SR 3



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158	50.1	---	65.36	15.21	N	9.8
0.162	---	37.7	55.36	17.65	N	9.8
0.226	45.7	---	62.60	16.90	N	9.9
0.262	---	30.9	51.37	20.42	N	9.9
0.318	---	25.0	49.76	24.79	N	9.9
0.358	40.6	---	58.78	18.14	N	9.9
0.810	34.7	---	56.00	21.29	N	9.8
0.810	---	30.5	46.00	15.47	N	9.8
1.622	36.9	---	56.00	19.09	N	9.9
1.622	---	32.5	46.00	13.47	N	9.9
2.434	---	28.9	46.00	17.06	N	9.9
2.510	35.4	---	56.00	20.55	N	9.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.158	48.0	---	65.60	17.62	1000.0	9.0	N	9.8