

Appendix A.5: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.52	≤11.00	PASS
		5200	2.01	≤11.00	PASS
		5240	1.08	≤11.00	PASS
		5260	1.59	≤11.00	PASS
		5280	0.56	≤11.00	PASS
		5320	1.62	≤11.00	PASS
		5500	-0.37	≤11.00	PASS
		5580	-0.31	≤11.00	PASS
		5700	2.16	≤11.00	PASS
		5745	-0.40	≤30.00	PASS
		5785	-1.16	≤30.00	PASS
11N20SISO	Ant1	5825	-1.21	≤30.00	PASS
		5180	1.83	≤11.00	PASS
		5200	1.84	≤11.00	PASS
		5240	1.37	≤11.00	PASS
		5260	1.65	≤11.00	PASS
		5280	0.73	≤11.00	PASS
		5320	1.05	≤11.00	PASS
		5500	-0.36	≤11.00	PASS
		5580	-0.16	≤11.00	PASS
		5700	1.78	≤11.00	PASS
		5745	-0.01	≤30.00	PASS
11N40SISO	Ant1	5785	-1.70	≤30.00	PASS
		5825	-1.26	≤30.00	PASS
		5190	-0.55	≤11.00	PASS
		5230	-1.61	≤11.00	PASS
		5270	-1.55	≤11.00	PASS
		5310	0.32	≤11.00	PASS
		5510	-3.68	≤11.00	PASS
		5550	-0.56	≤11.00	PASS
		5670	-0.27	≤11.00	PASS
11AC20SISO	Ant1	5755	-1.88	≤30.00	PASS
		5795	-3.02	≤30.00	PASS
		5180	0.01	≤11.00	PASS
		5200	0.84	≤11.00	PASS
		5240	0.28	≤11.00	PASS
		5260	1.97	≤11.00	PASS
		5280	-1.15	≤11.00	PASS
		5320	0.64	≤11.00	PASS
		5500	0.41	≤11.00	PASS
		5580	0.68	≤11.00	PASS
		5700	2.45	≤11.00	PASS
11AC40SISO	Ant1	5745	-0.30	≤30.00	PASS
		5785	-2.16	≤30.00	PASS
		5825	-1.62	≤30.00	PASS
		5190	0.30	≤11.00	PASS
		5230	-0.15	≤11.00	PASS
		5270	-1.56	≤11.00	PASS
		5310	0.54	≤11.00	PASS
		5510	-3.32	≤11.00	PASS
		5550	-1.45	≤11.00	PASS
11AX20SISO	Ant1	5670	0.41	≤11.00	PASS
		5755	-1.88	≤30.00	PASS
		5795	-2.99	≤30.00	PASS
	Ant1	5180	1.44	≤11.00	PASS
		5200	0.92	≤11.00	PASS
		5240	2.60	≤11.00	PASS

		5260	1.26	≤11.00	PASS
		5280	1.30	≤11.00	PASS
		5320	1.38	≤11.00	PASS
		5500	0.91	≤11.00	PASS
		5580	0.40	≤11.00	PASS
		5700	2.39	≤11.00	PASS
		5745	1.19	≤30.00	PASS
		5785	-1.85	≤30.00	PASS
		5825	-1.00	≤30.00	PASS
11AX40SISO	Ant1	5190	-0.29	≤11.00	PASS
		5230	-3.89	≤11.00	PASS
		5270	-1.68	≤11.00	PASS
		5310	-1.87	≤11.00	PASS
		5510	-0.90	≤11.00	PASS
		5550	-3.13	≤11.00	PASS
		5670	-0.95	≤11.00	PASS
		5755	-2.57	≤30.00	PASS
		5795	-2.02	≤30.00	PASS

U-NII 1: Max. e.i.r.p. spectral density= 2.60dBm+5.0dBi= 7.60dBm/MHz, which is less than 10dBm/MHz

Note:

- 1) The Result and Limit Unit is dBm/500 kHz in the band 5.725~5.85 GHz.
- 2) Antenna gain(G): 5.0dBi for U-NII Band 1.
- 3) The Duty Cycle Factor and RBW Factor are compensated in the graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240









11N20SISO Ant1 5180



11N20SISO Ant1 5200



11N20SISO Ant1 5240









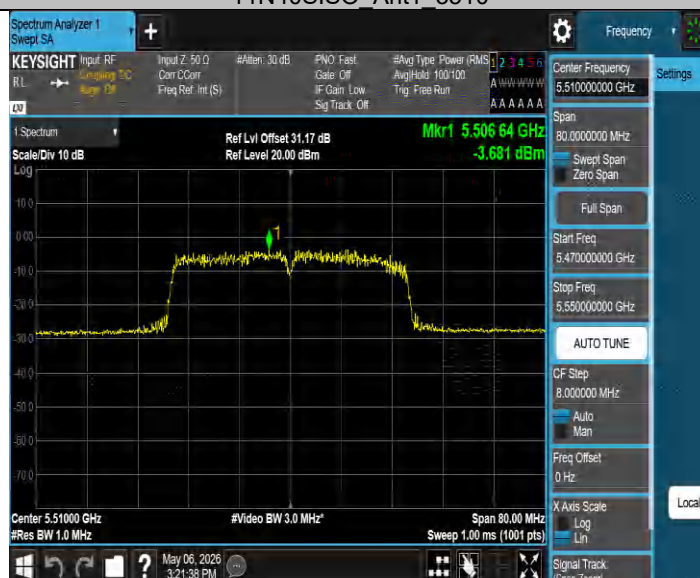
11N40SISO Ant1 5190

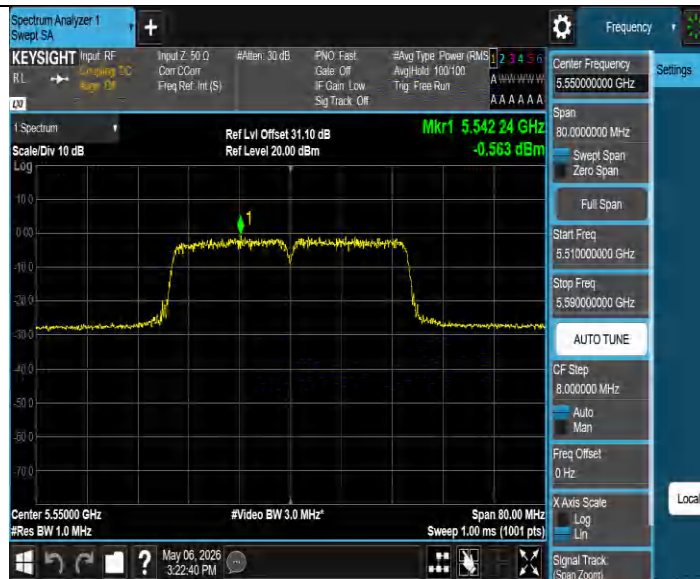


11N40SISO Ant1 5230



11N40SISO Ant1 5270





11N40SISO Ant1 5670



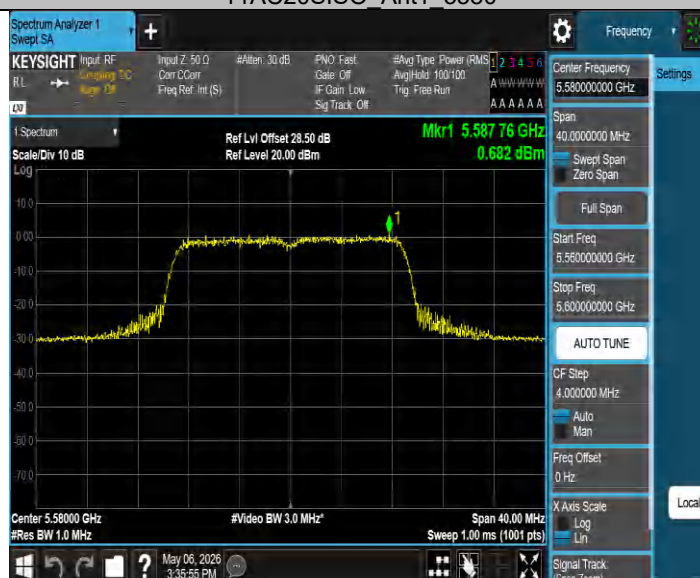
11N40SISO Ant1 5755



11N40SISO Ant1 5795







11AC20SISO Ant1 5700









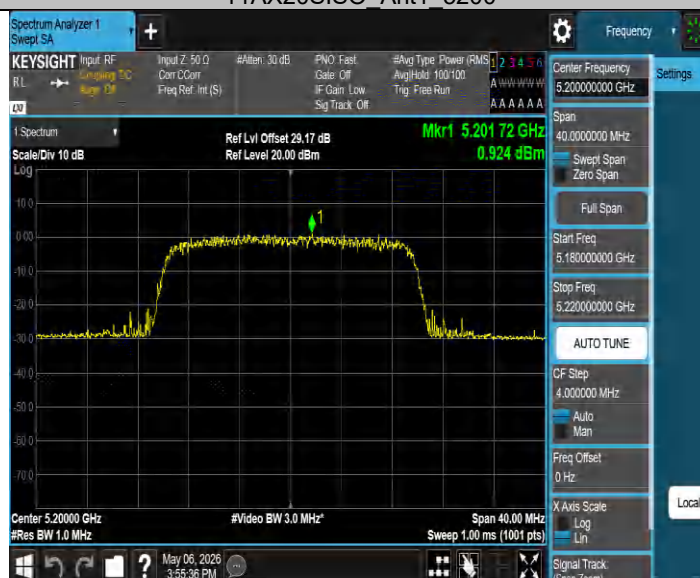
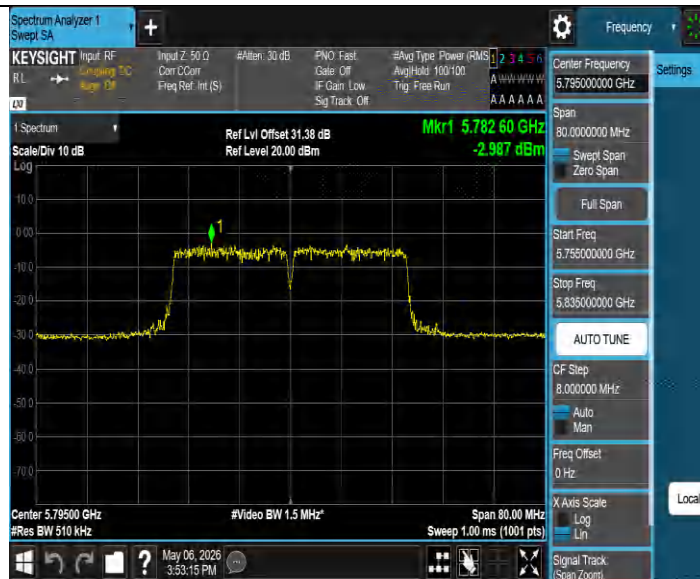
11AC40SISO_Ant1_5670



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795









11AX20SISO Ant1 5745



11AX20SISO Ant1 5785



11AX20SISO Ant1 5825



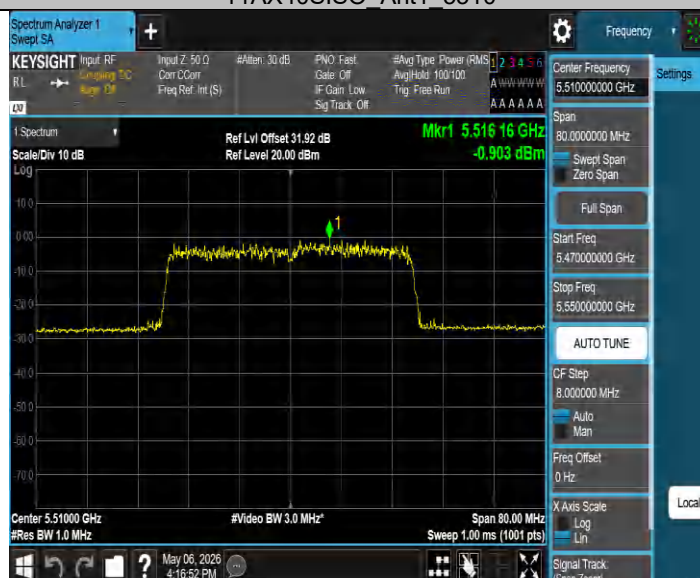
11AX40SISO Ant1 5190



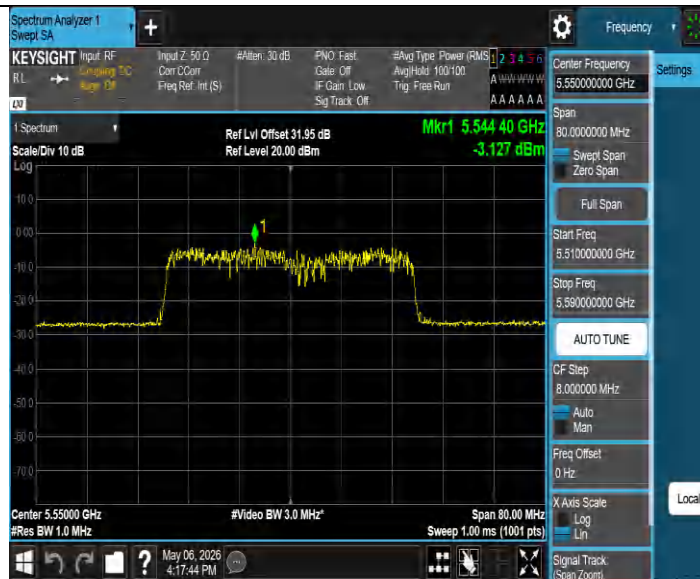
11AX40SISO Ant1 5230



11AX40SISO Ant1 5270



11AX40SISO Ant1 5550





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
11AX20SISO	Ant1	5180	NV	NT	-60000.00	-11.583012	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5260	NV	NT	-40000.00	-7.604563	20	PASS
			LV	NT	-60000.00	-11.406844	20	PASS
			HV	NT	-40000.00	-7.604563	20	PASS
		5500	NV	NT	-60000.00	-10.909091	20	PASS
			LV	NT	-40000.00	-7.272727	20	PASS
			HV	NT	-60000.00	-10.909091	20	PASS
		5745	NV	NT	-20000.00	-3.481288	20	PASS
			LV	NT	-60000.00	-10.443864	20	PASS
			HV	NT	-60000.00	-10.443864	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AX20SISO	Ant1	5180	NV	0	-40000.00	-7.722008	20	PASS
			NV	40	-40000.00	-7.722008	20	PASS
		5260	NV	0	-40000.00	-7.604563	20	PASS
			NV	40	-40000.00	-7.604563	20	PASS
		5500	NV	0	-40000.00	-7.272727	20	PASS
			NV	40	-40000.00	-7.272727	20	PASS
		5745	NV	0	-40000.00	-6.962576	20	PASS
			NV	40	-40000.00	-6.962576	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

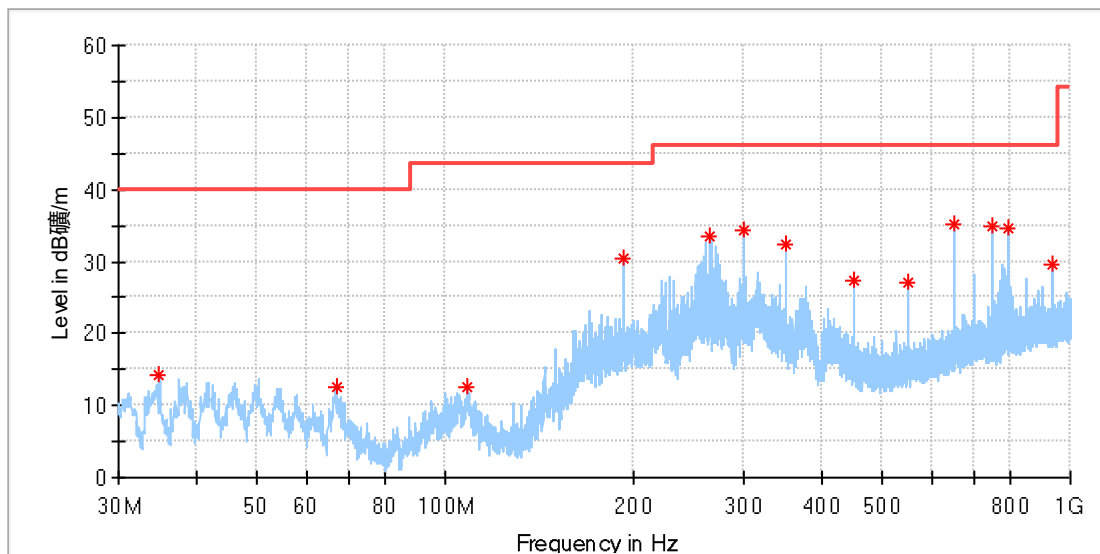
Note:

- 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 and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

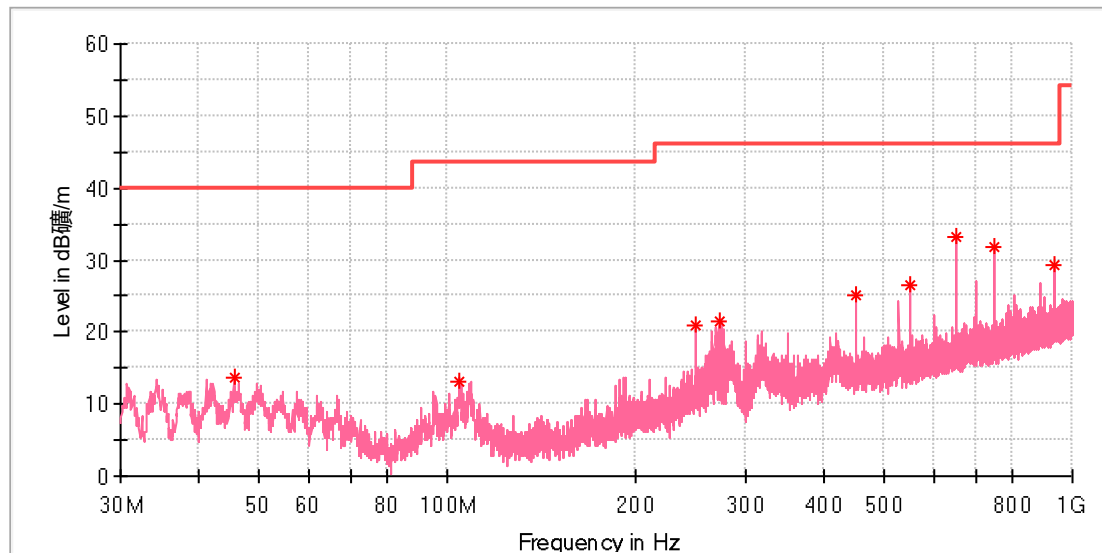


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
34.850000	14.24	40.00	25.76	100.0	H	112.0	-22.0
67.075556	12.55	40.00	27.45	100.0	H	162.0	-21.0
108.354444	12.49	43.50	31.01	100.0	H	236.0	-19.1
192.475000	30.53	43.50	12.97	100.0	H	45.0	-19.5
264.201111	33.39	46.00	12.61	100.0	H	279.0	-17.0
299.983333	34.37	46.00	11.63	100.0	H	134.0	-16.3
349.992222	32.32	46.00	13.68	100.0	H	162.0	-14.9
450.010000	27.36	46.00	18.64	100.0	H	168.0	-12.8
550.027778	27.11	46.00	18.89	100.0	H	176.0	-10.8
649.991667	35.21	46.00	10.79	100.0	H	287.0	-8.8
750.009444	35.00	46.00	11.00	100.0	H	279.0	-7.1
798.024444	34.52	46.00	11.48	100.0	H	301.0	-6.2
938.458889	29.57	46.00	16.43	100.0	H	351.0	-4.4

EUT Information

EUT Name: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

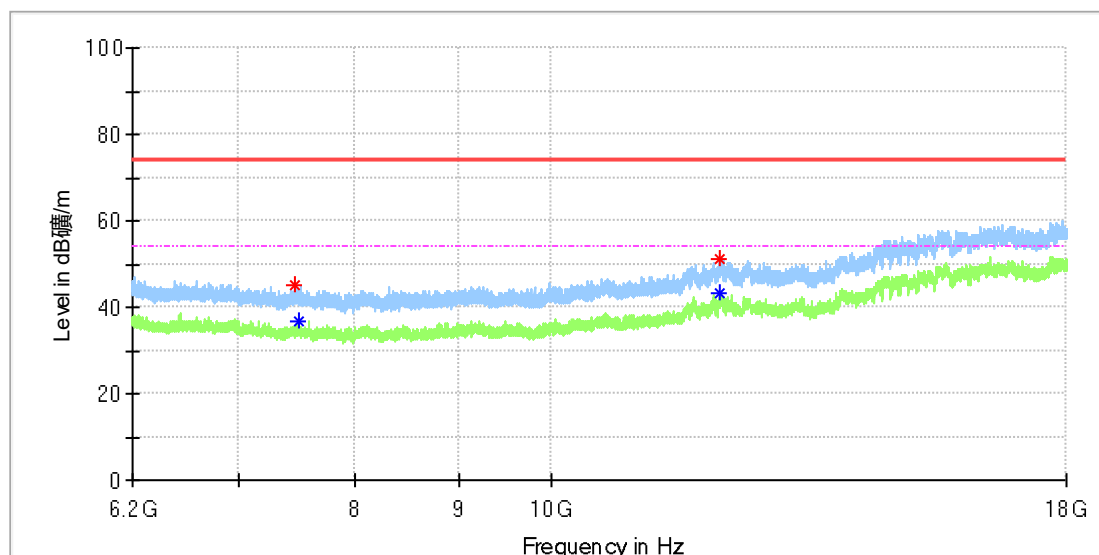
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.573889	13.65	40.00	26.35	100.0	V	308.0	-18.8
104.690000	13.12	43.50	30.38	100.0	V	164.0	-18.9
250.028333	20.84	46.00	25.16	100.0	V	0.0	-17.4
271.799444	21.39	46.00	24.61	100.0	V	355.0	-16.9
450.010000	25.09	46.00	20.91	100.0	V	62.0	-12.8
550.027778	26.59	46.00	19.41	100.0	V	77.0	-10.8
649.991667	33.31	46.00	12.69	100.0	V	233.0	-8.8
750.009444	31.71	46.00	14.29	100.0	V	249.0	-7.1
938.458889	29.28	46.00	16.73	100.0	V	211.0	-4.4

Final_Result

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

EUT Name:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
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)
7457.191667	44.99	---	74.00	29.01	150.0	H	62.0	8.5
7488.166667	---	36.57	54.00	17.43	150.0	H	46.0	8.7
12108.850000	51.06	---	74.00	22.94	150.0	H	228.0	15.7
12128.516667	---	43.29	54.00	10.71	150.0	H	120.0	16.2

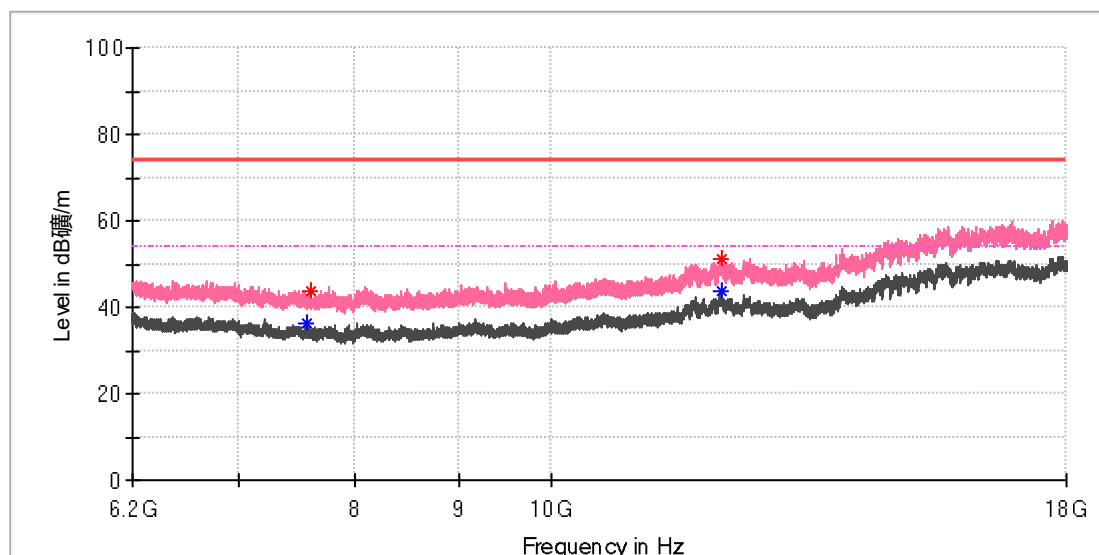
Final Result

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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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:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch56
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
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)
7560.441667	---	36.20	54.00	17.80	150.0	V	168.0	8.7
7598.791667	43.87	---	74.00	30.13	150.0	V	41.0	8.7
12134.908333	---	43.51	54.00	10.49	150.0	V	133.0	16.3
12141.791667	51.28	---	74.00	22.72	150.0	V	176.0	16.5

Final Result

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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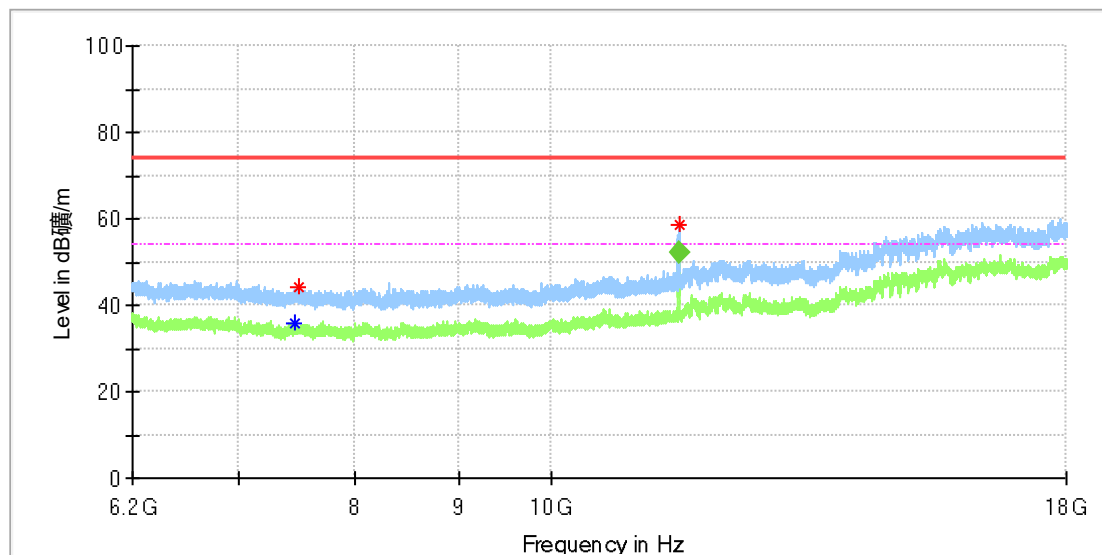
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Frequency (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: Robot Vacuum and Mop
 Model: YJCC040
 Test Mode: WIFI 5G_11a_Ch157
 Order No/Sample No: A004241255-009
 Test Voltage: Battery
 Remark: Temp 22.8°C Humi:55%
 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)
7467.025000	---	35.86	54.00	18.14	150.0	H	174.0	8.6
7489.150000	44.41	---	74.00	29.59	150.0	H	43.0	8.7
11570.475000	58.80	---	74.00	15.20	150.0	H	191.0	13.4

Final Result

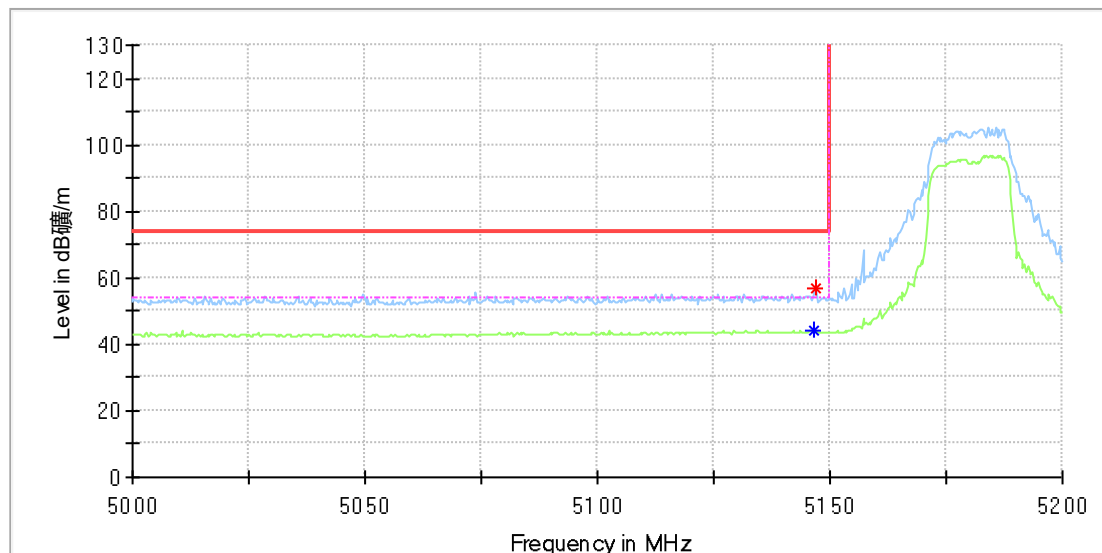
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11569.381250	---	51.94	54.00	2.06	150.0	H	191.0	13.4

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

Wi-Fi 802.11 a mode

EUT Information

EUT Name:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch36
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

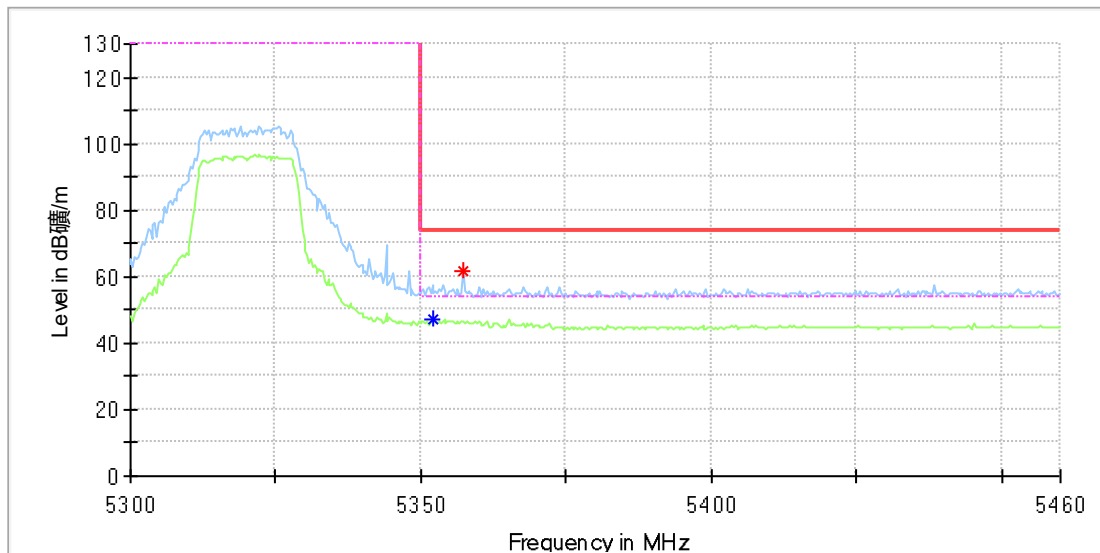
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.677778	---	44.44	54.00	9.56	150.0	H	44.0	13.9
5147.005556	56.79	---	74.00	17.21	150.0	H	9.0	13.9

Final Result

[illegible]

EUT Information

EUT Name:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

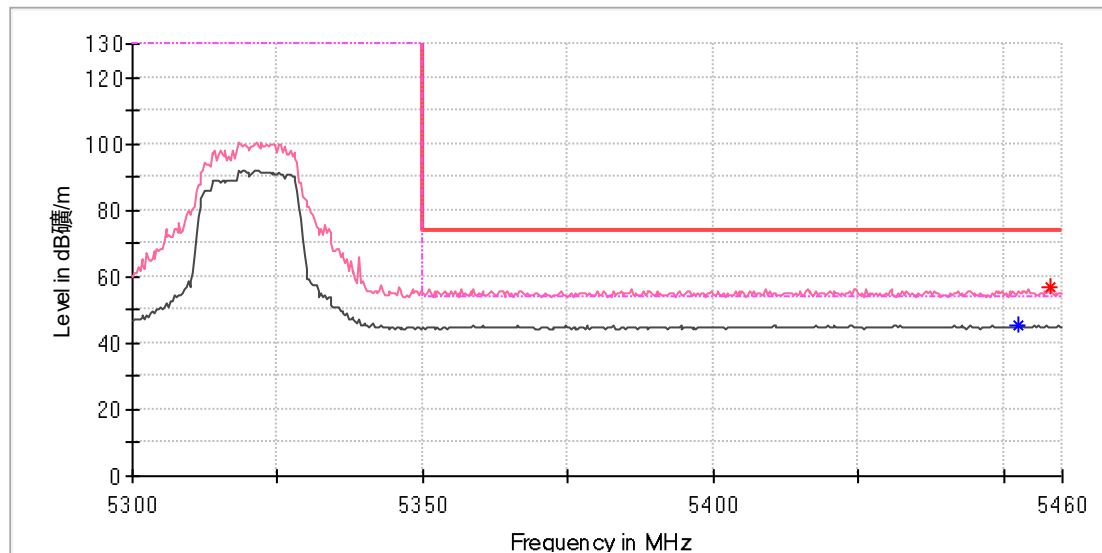
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.938889	---	47.18	54.00	6.82	150.0	H	339.0	14.8
5357.238889	61.54	---	74.00	12.46	150.0	H	330.0	14.8

Final Result

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

EUT Name:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11a_Ch64
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

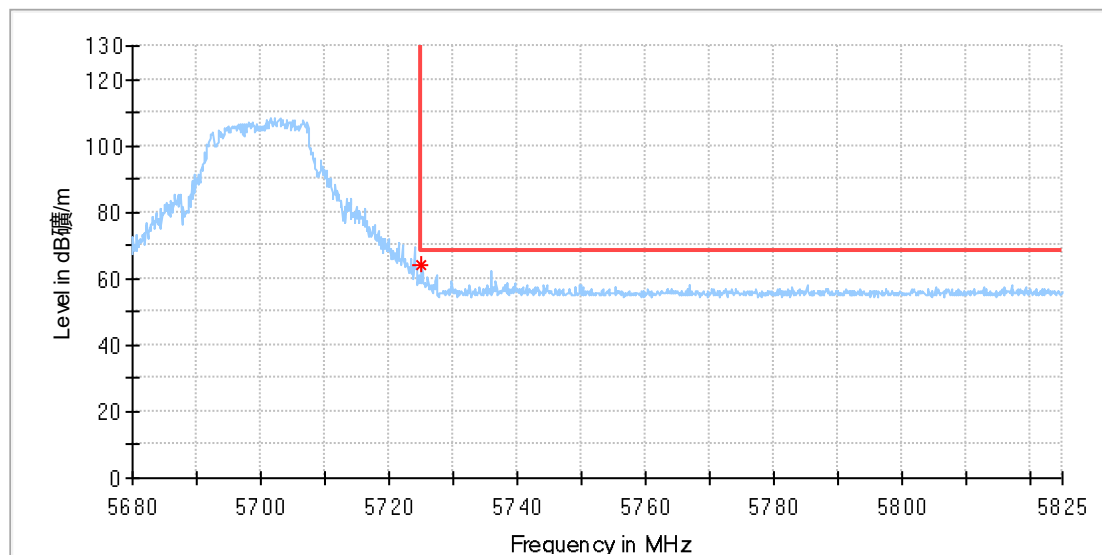
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5452.344444	---	45.43	54.00	8.57	150.0	V	310.0	15.0
5457.938889	56.70	---	74.00	17.30	150.0	V	69.0	15.1

Final Result

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

EUT Name: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

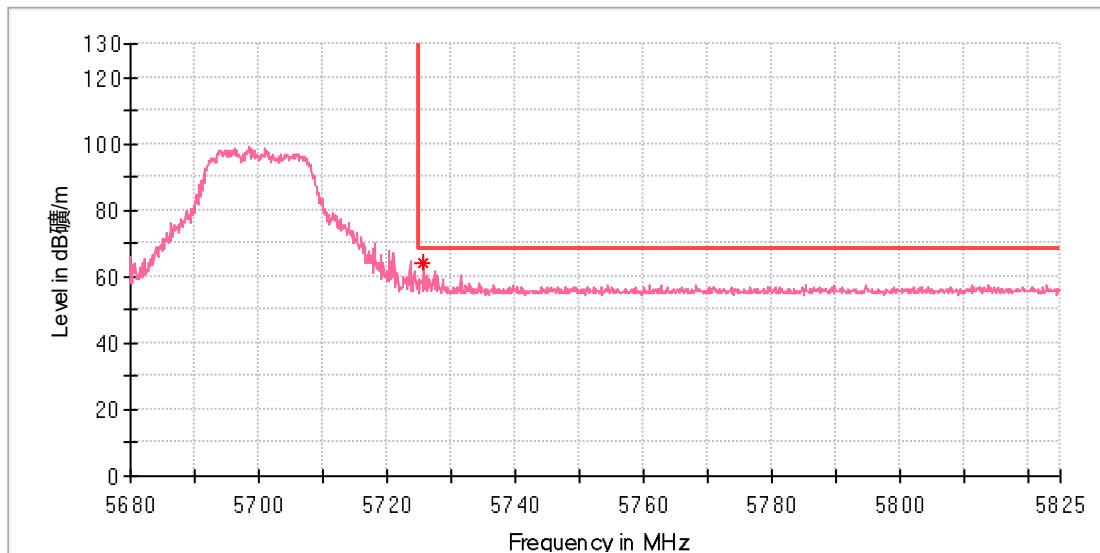
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.141667	63.84	68.20	4.36	150.0	H	65.0	15.4

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch140
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

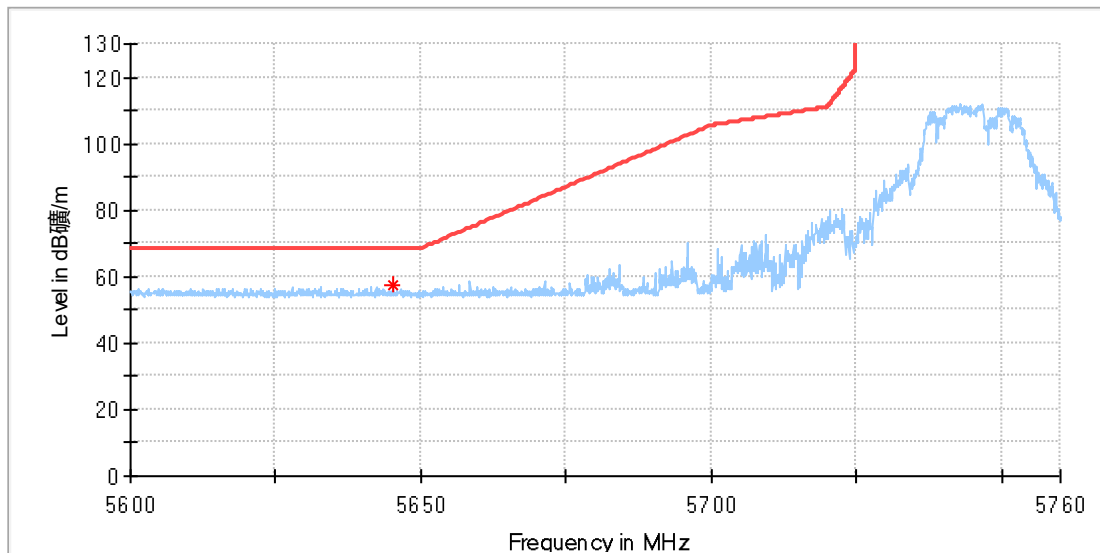
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.716667	63.82	68.20	4.38	150.0	V	17.0	15.4

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch149
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

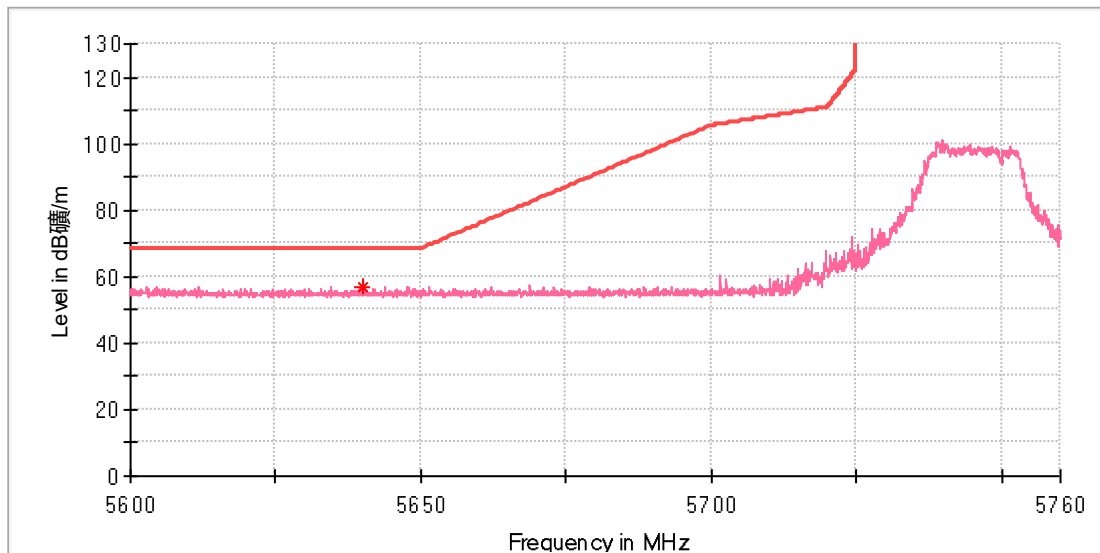
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5645.100000	57.57	68.20	10.63	150.0	H	356.0	15.3

Final_Result

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

EUT Information

EUT Name: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch149
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

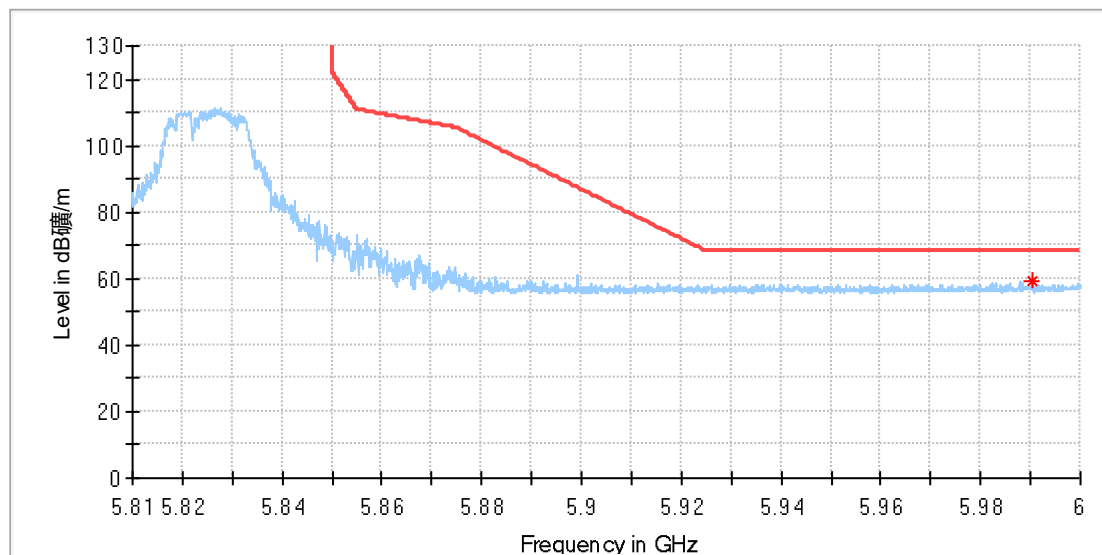
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5640.027778	56.90	68.20	11.30	150.0	V	347.0	15.3

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

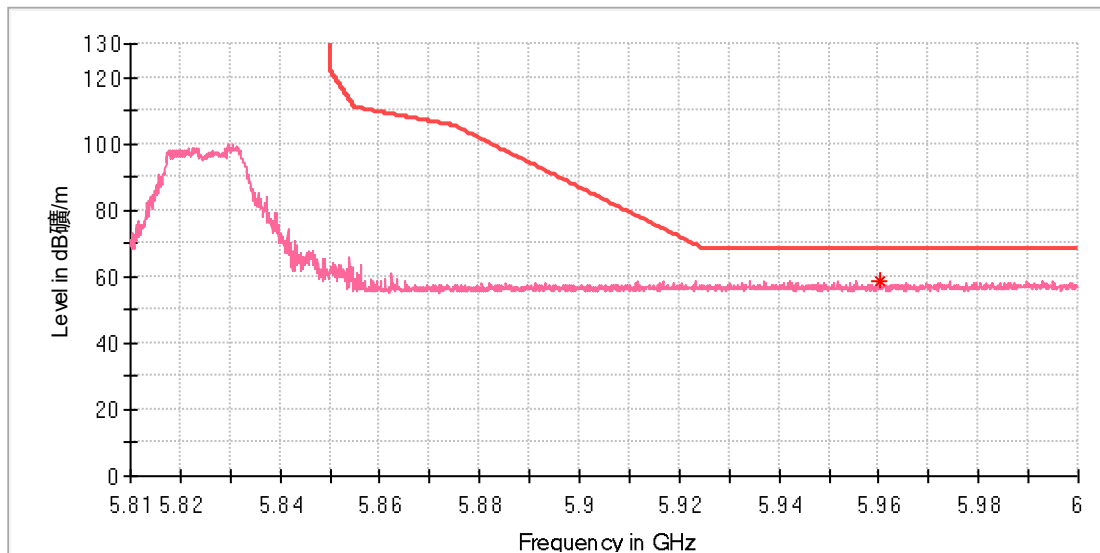
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5990.375000	59.33	68.20	8.87	150.0	H	195.0	16.5

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11a_Ch165
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

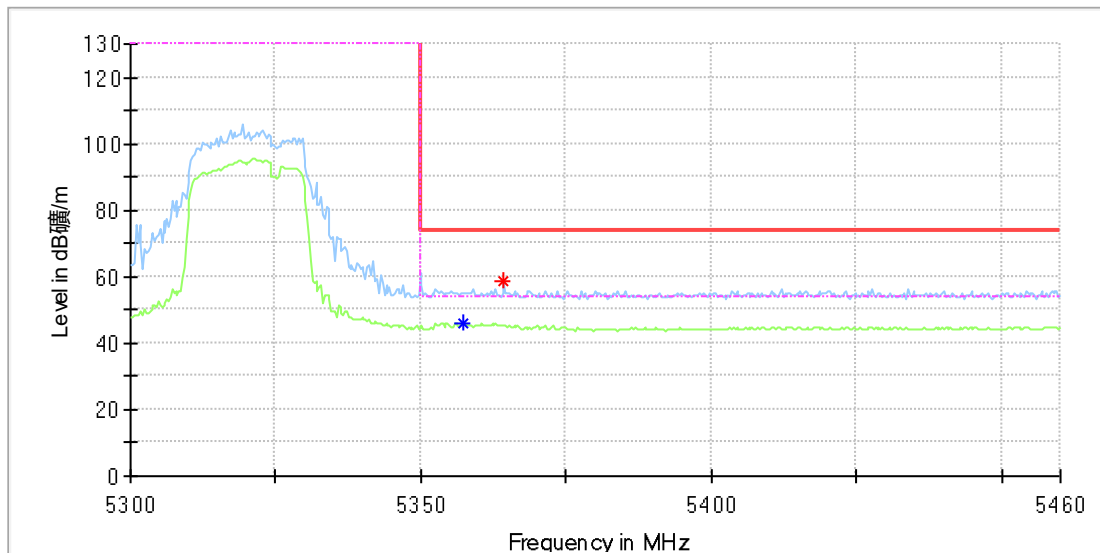
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5960.125000	58.63	68.20	9.57	150.0	V	73.0	16.3

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:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11ax20_Ch64
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
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)
5357.238889	---	46.19	54.00	7.81	150.0	H	51.0	14.8
5364.305556	58.41	---	74.00	15.59	150.0	H	47.0	14.8

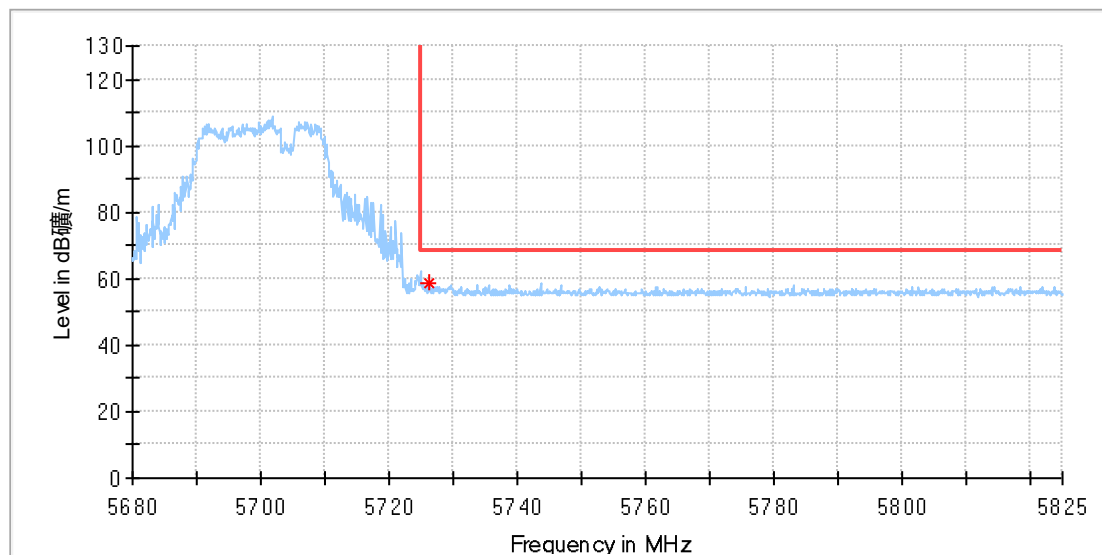
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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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: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch140
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

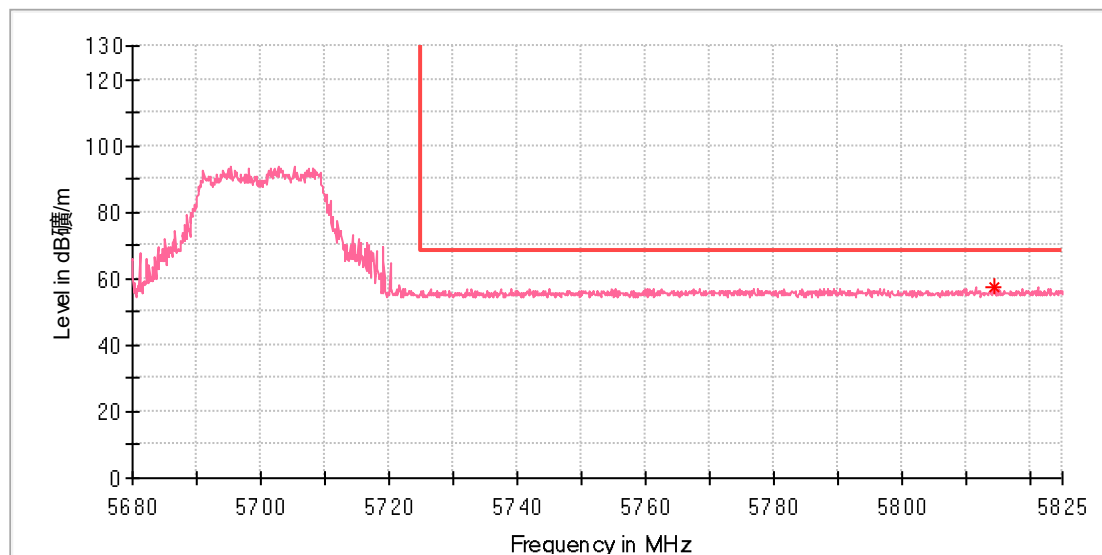
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5726.291667	58.44	68.20	9.76	150.0	H	59.0	15.4

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch140
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

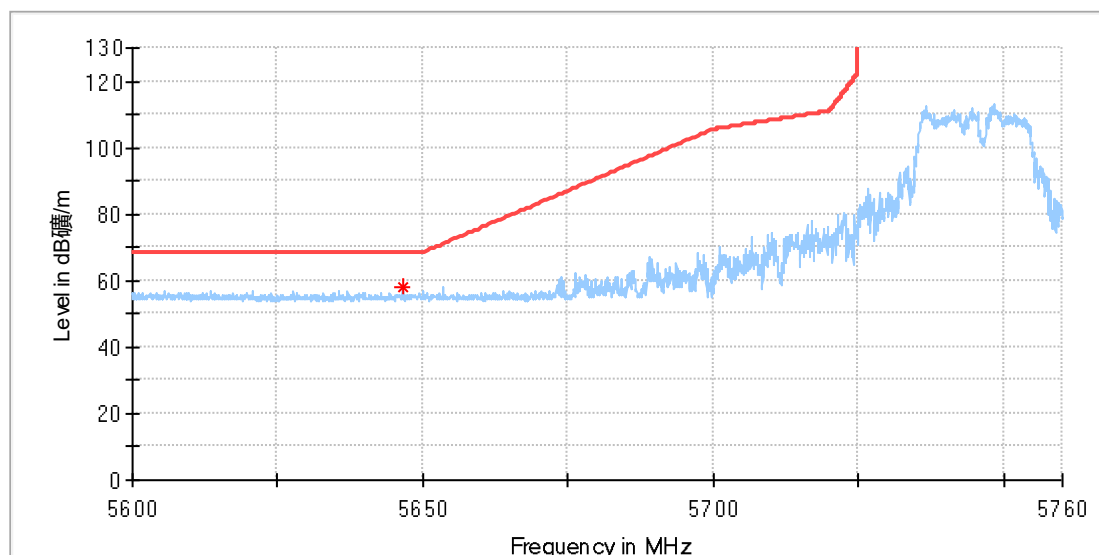
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5814.266667	57.39	68.20	10.81	150.0	V	328.0	15.5

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch149
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

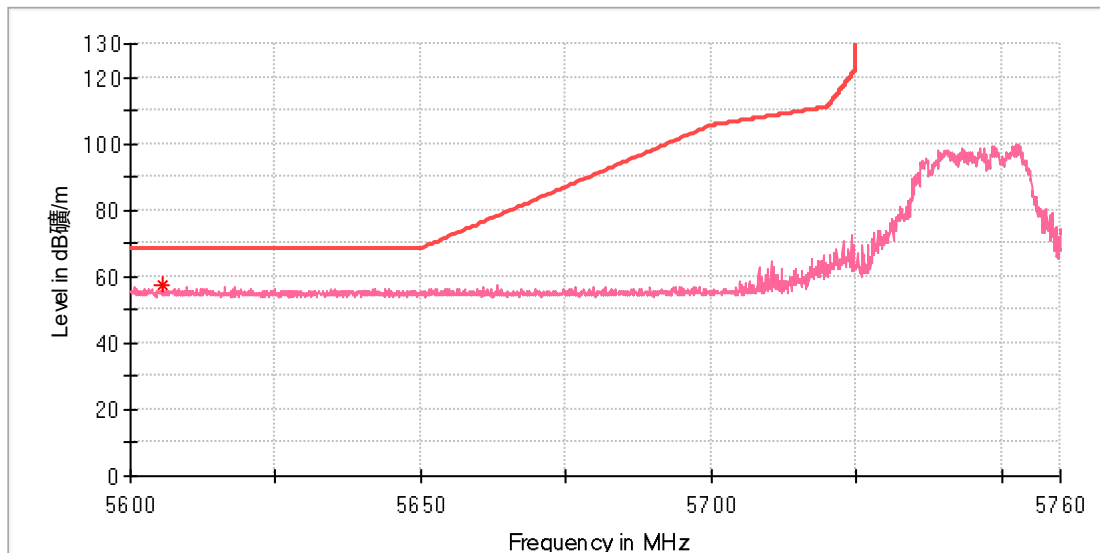
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.383333	58.02	68.20	10.18	150.0	H	94.0	15.3

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch149
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

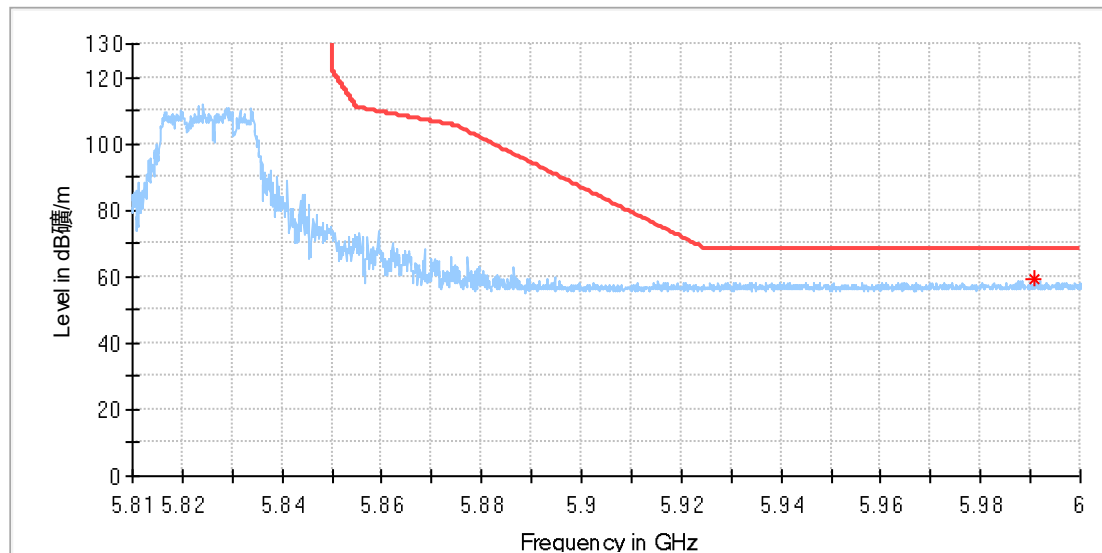
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5605.500000	57.37	68.20	10.83	150.0	V	286.0	15.3

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch165
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

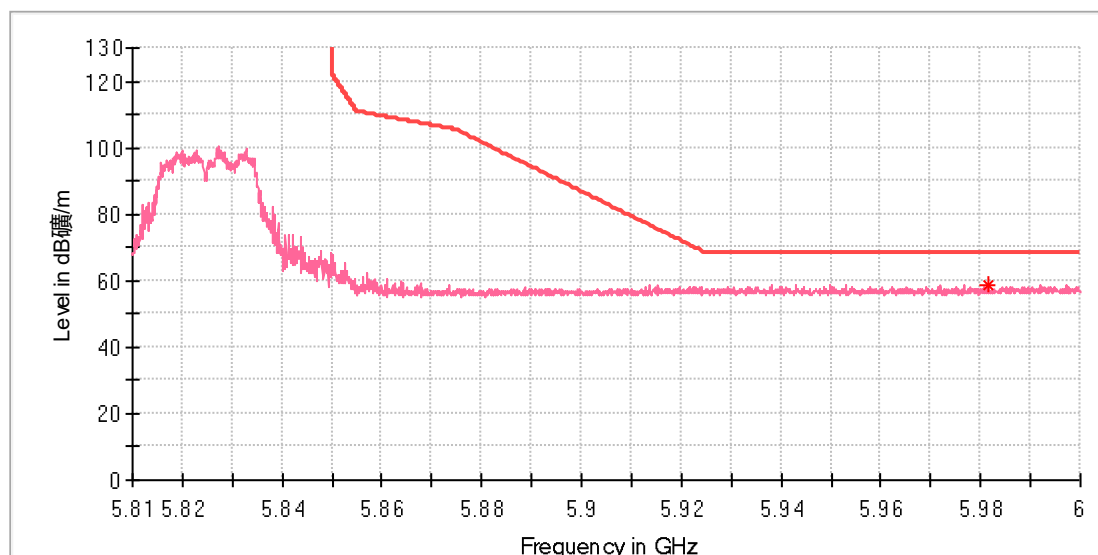
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5990.680556	59.12	68.20	9.08	150.0	H	167.0	16.5

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ax20_Ch165
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
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)
5981.437500	58.94	68.20	9.26	150.0	V	192.0	16.4

Final_Result

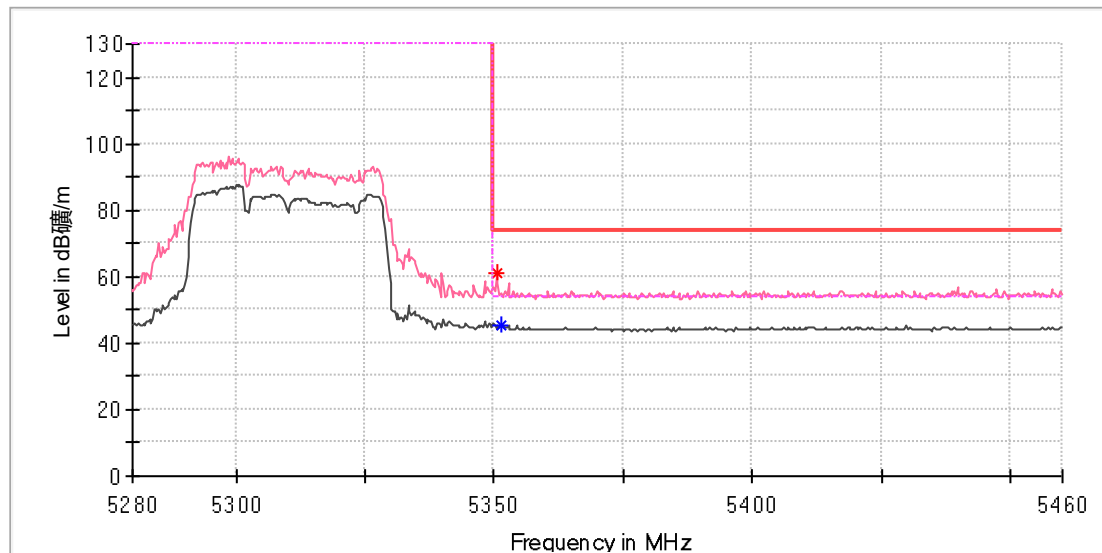
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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

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:	Robot Vacuum and Mop
Model:	YJCC040
Test Mode:	WIFI 5G_11ac40_Ch62
Order No/Sample No:	A004241255-009
Test Voltage:	Battery
Remark:	Temp 22.8°C Humi:55%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

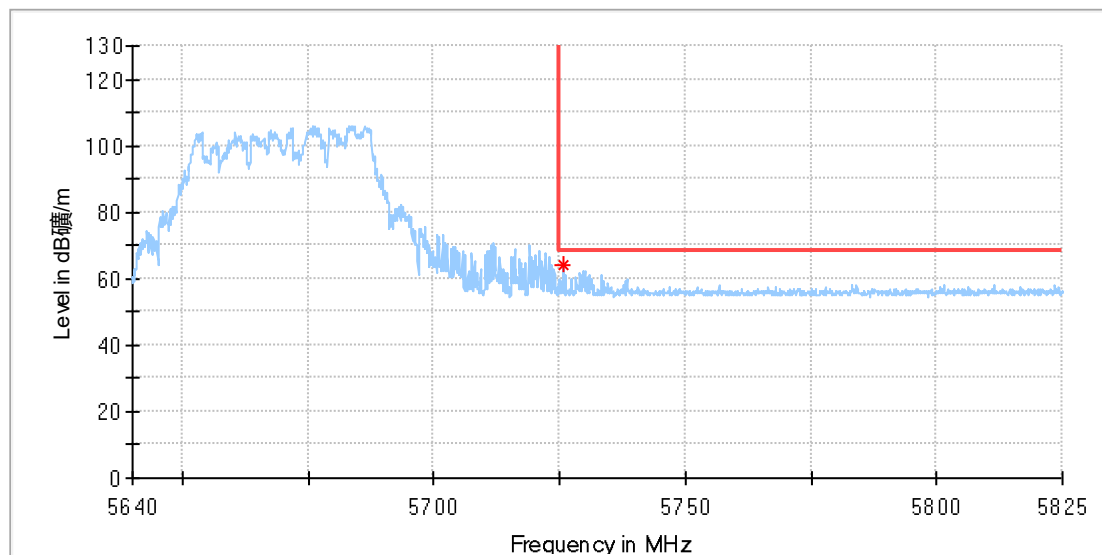
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.466667	60.85	---	74.00	13.15	150.0	V	100.0	14.8
5351.350000	---	45.18	54.00	8.82	150.0	V	343.0	14.8

Final Result

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

EUT Name: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch134
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

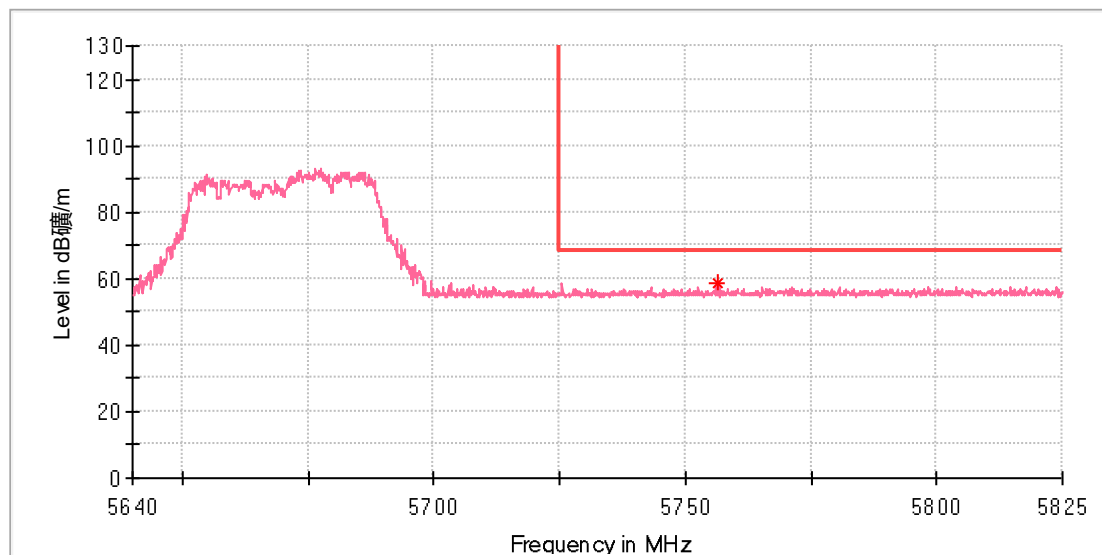
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5725.620833	63.89	68.20	4.31	150.0	H	86.0	15.4

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch134
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

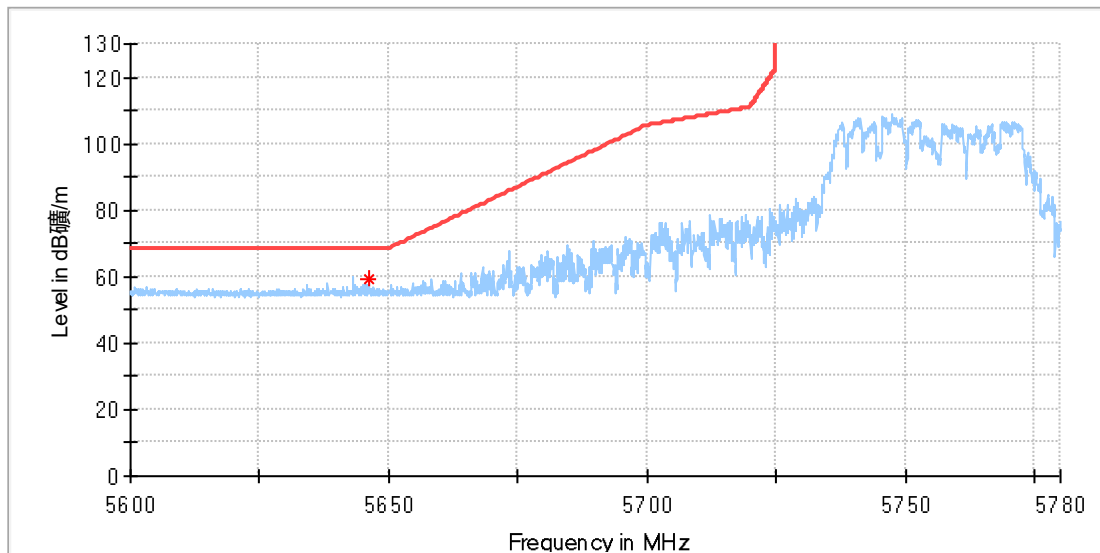
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5756.575000	58.58	68.20	9.62	150.0	V	193.0	15.4

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch151
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

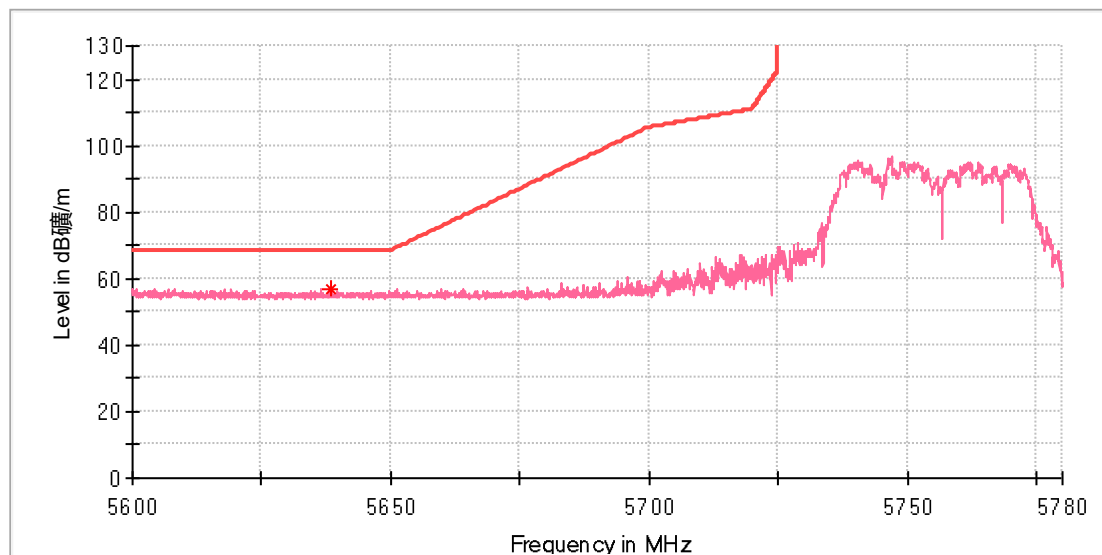
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5646.261111	59.53	68.20	8.67	150.0	H	77.0	15.3

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 and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch151
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

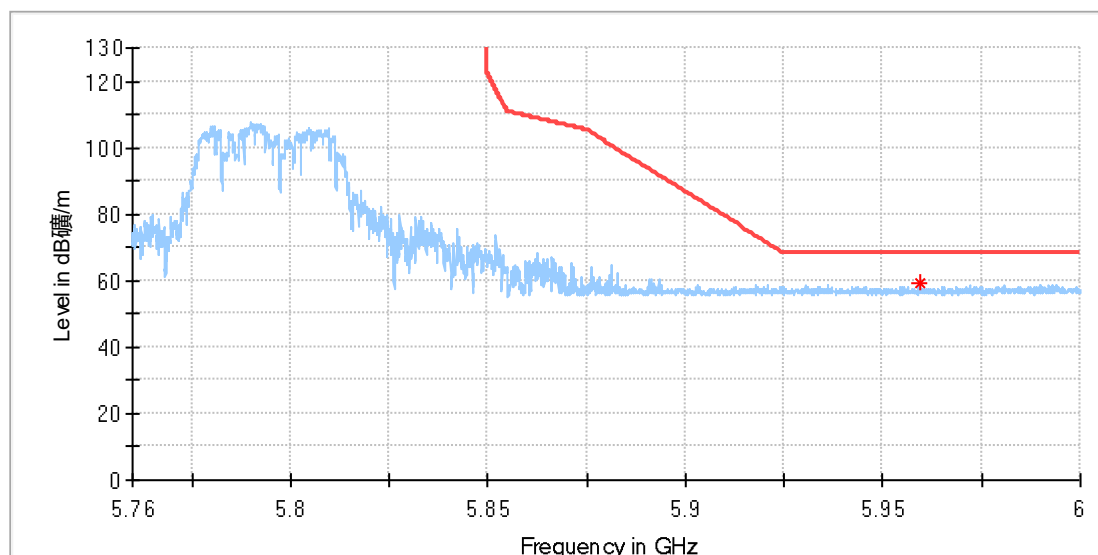
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5638.561111	56.82	68.20	11.38	150.0	V	99.0	15.3

Final_Result

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

EUT Information

EUT Name: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch159
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

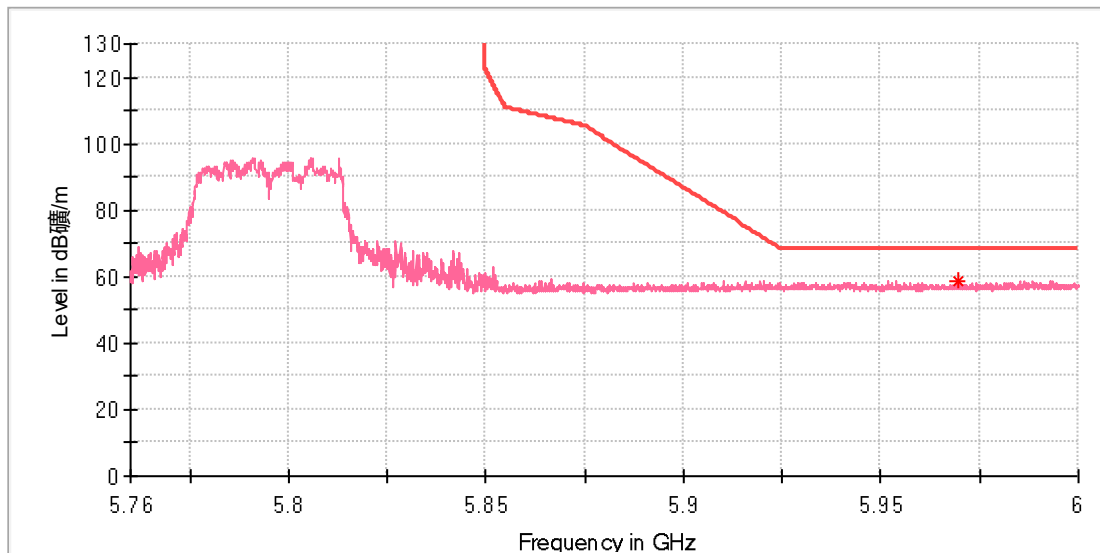
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5959.208333	59.09	68.20	9.11	150.0	H	15.0	16.3

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: Robot Vacuum and Mop
Model: YJCC040
Test Mode: WIFI 5G_11ac40_Ch159
Order No/Sample No: A004241255-009
Test Voltage: Battery
Remark: Temp 22.8°C Humi:55%
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)
5969.520833	58.45	68.20	9.75	150.0	V	233.0	16.4

Final_Result

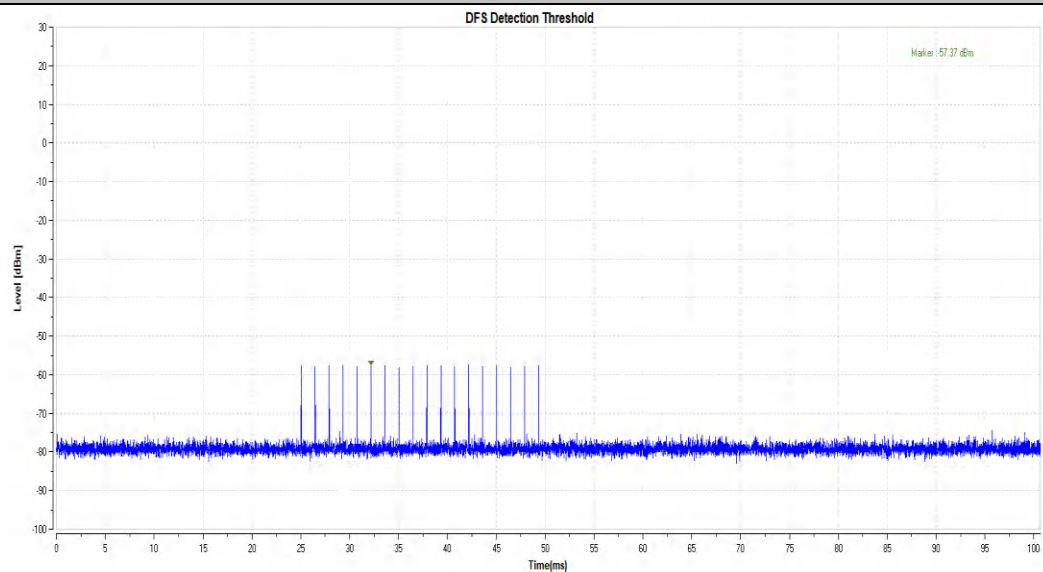
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix A.9: Test Results of Dynamic Frequency Selection (DFS)

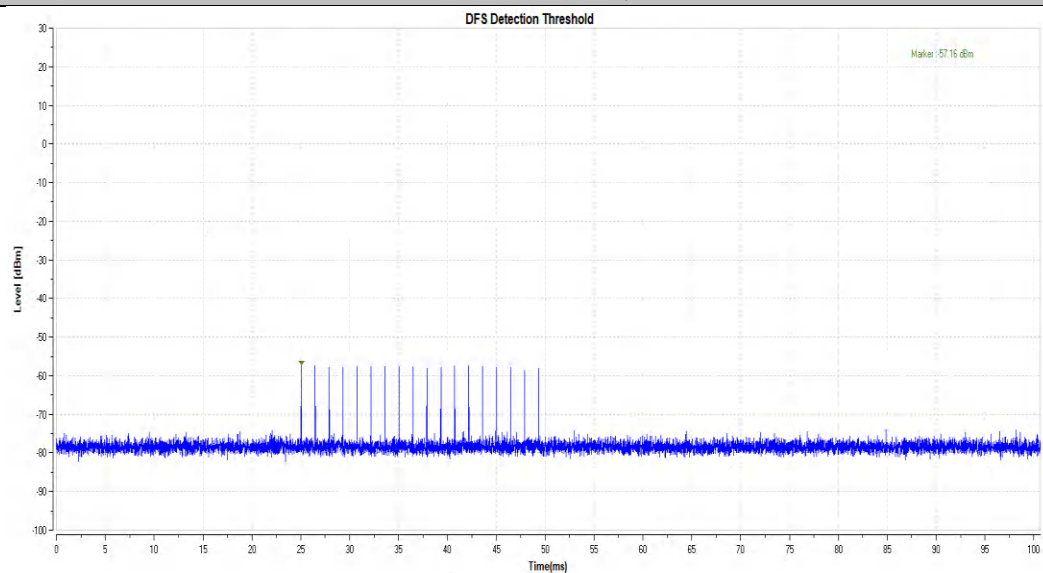
DFS Detection Thresholds

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5320	Type0	-57.37	-57.00	PASS
11AC40SISO	5510	Type0	-57.16	-57.00	PASS

11A_5320_Type0



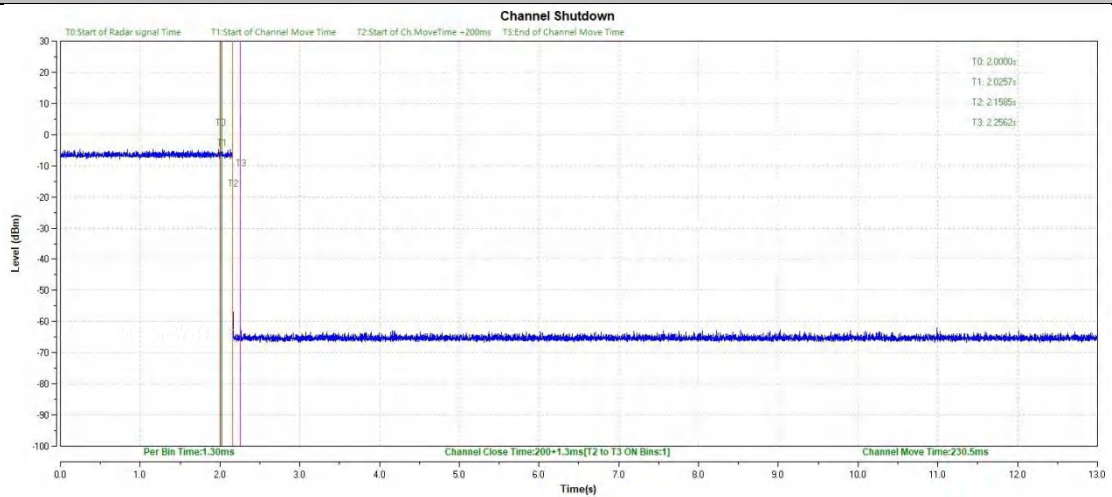
11AC40SISO_5510_Type0



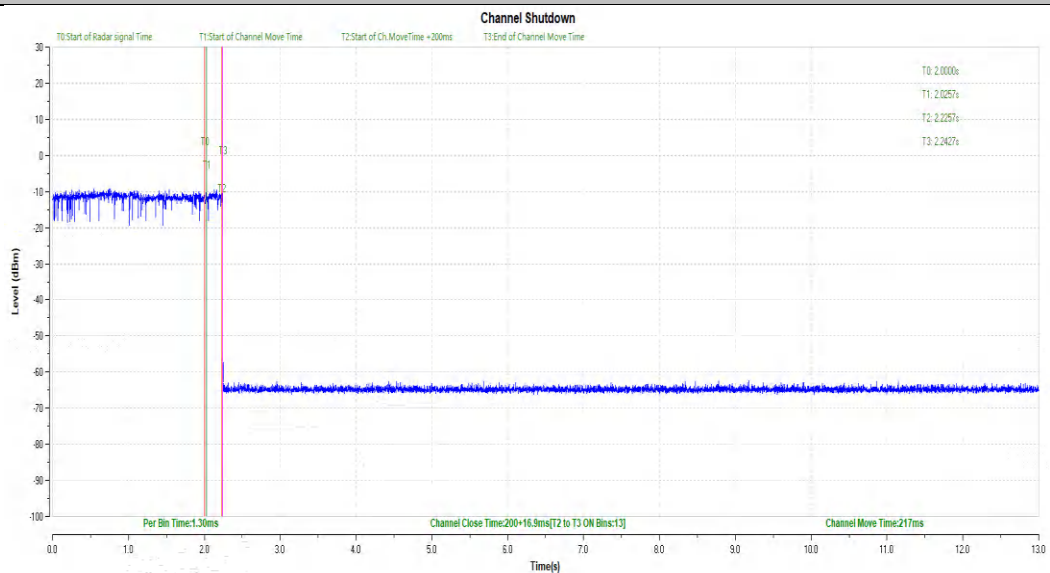
Channel Move Time and Channel Closing Transmission Time

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5320	200+1.3	200+60	230.5	10000	PASS
11AC40SISO	5510	200+16.9	200+60	217	10000	PASS

11A_5320



11AC40SISO_5510

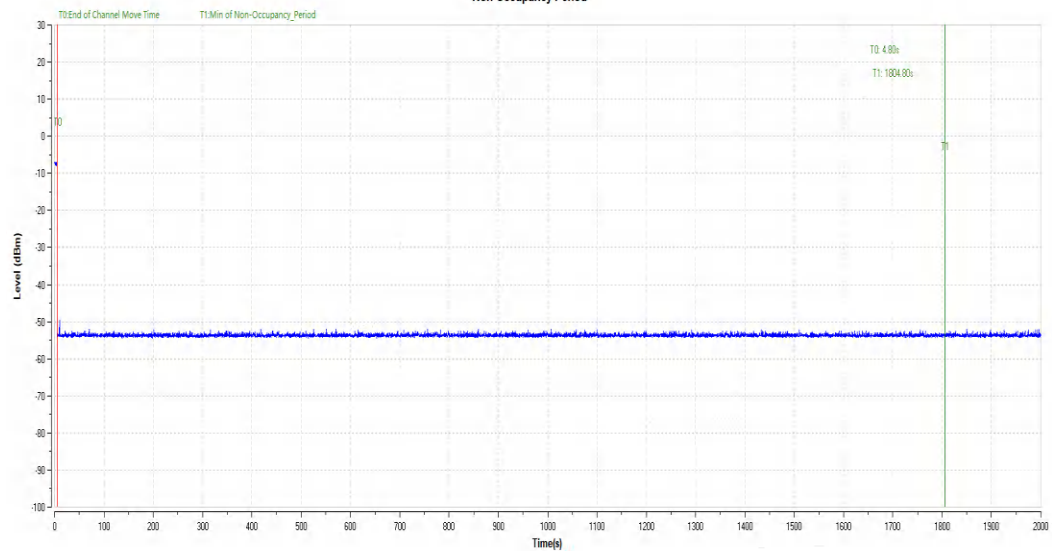


Non-Occupancy Period

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
11A	5320	see test graph	≥1800	PASS
11AC40SISO	5510	see test graph	≥1800	PASS

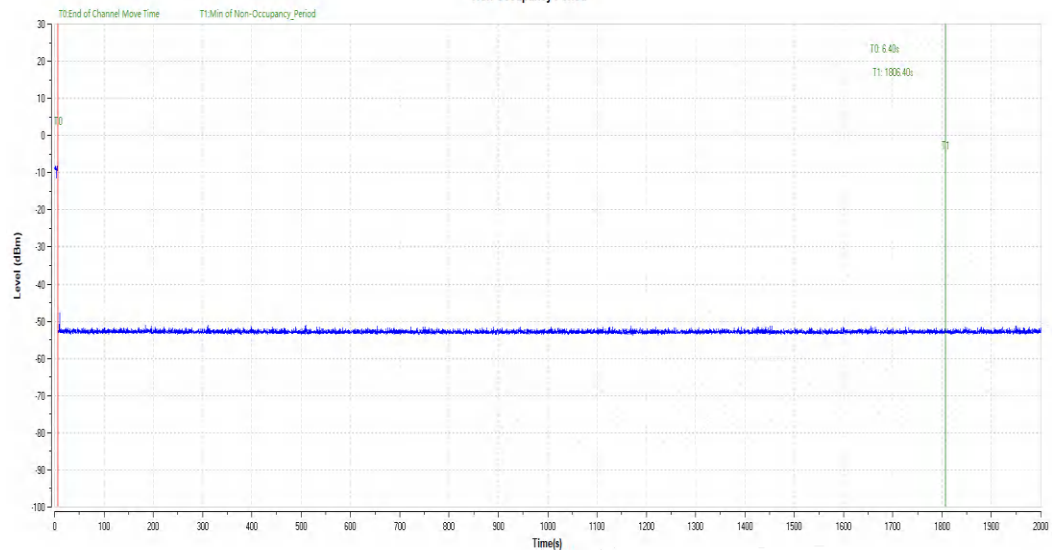
11A_5320

Non-Occupancy Period



11AC40SISO_5510

Non-Occupancy Period

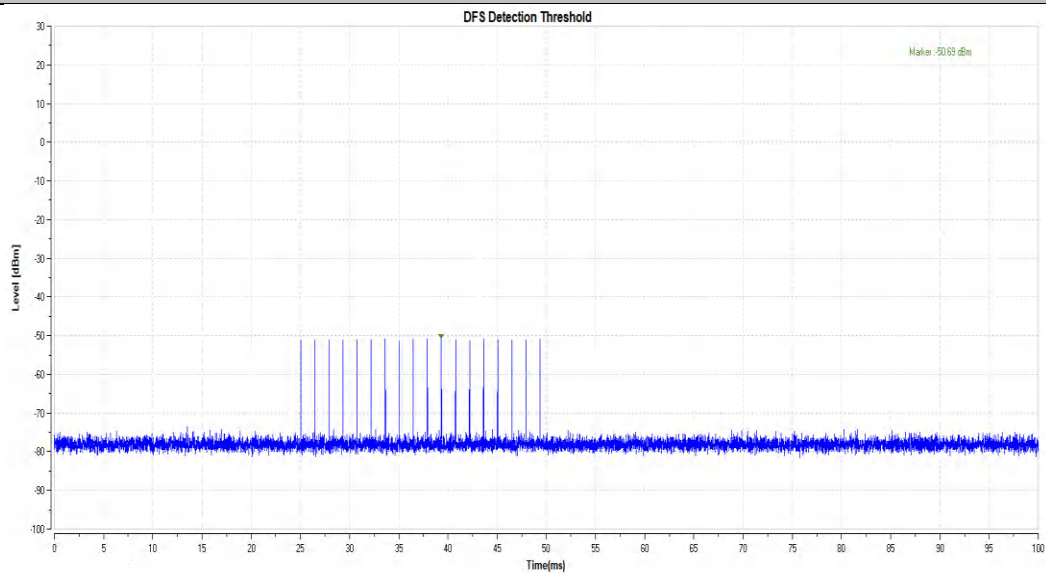


DFS Detection Thresholds for IC

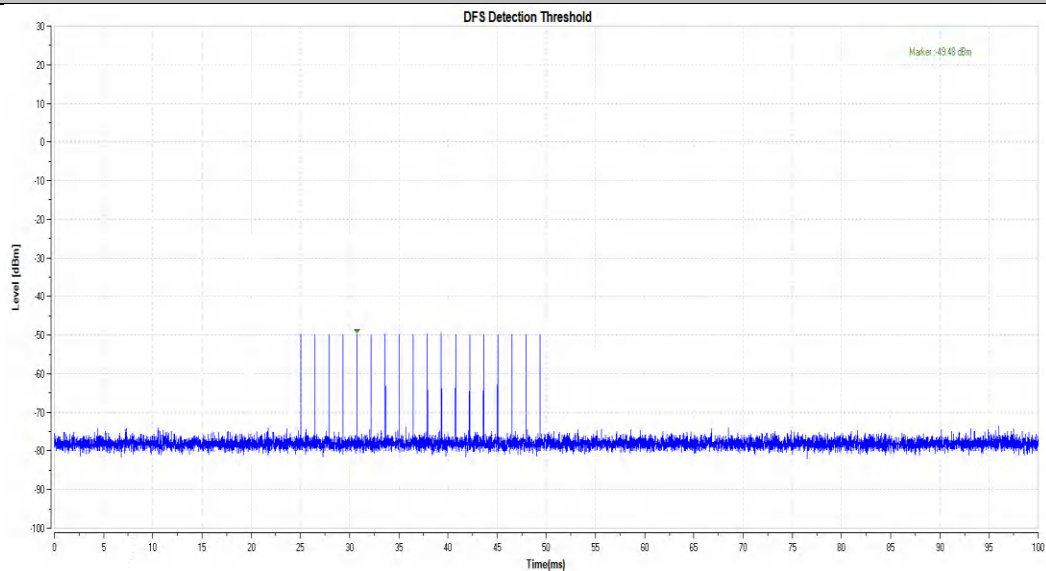
Devices operating in the 5600-5650 MHz band shall use the ETSI EN 301 893 test 835 procedure for demonstrating compliance with the DFS radar detection requirements

TestMode	Frequency[MHz]	Radar Type	Result	Limit[dbm]	Verdict
	5620	Reference	-50.69	-50.50	PASS
	5630	Reference	-49.48	-49.00	PASS

11A_5620_Reference



11AC40SISO_5630_Reference

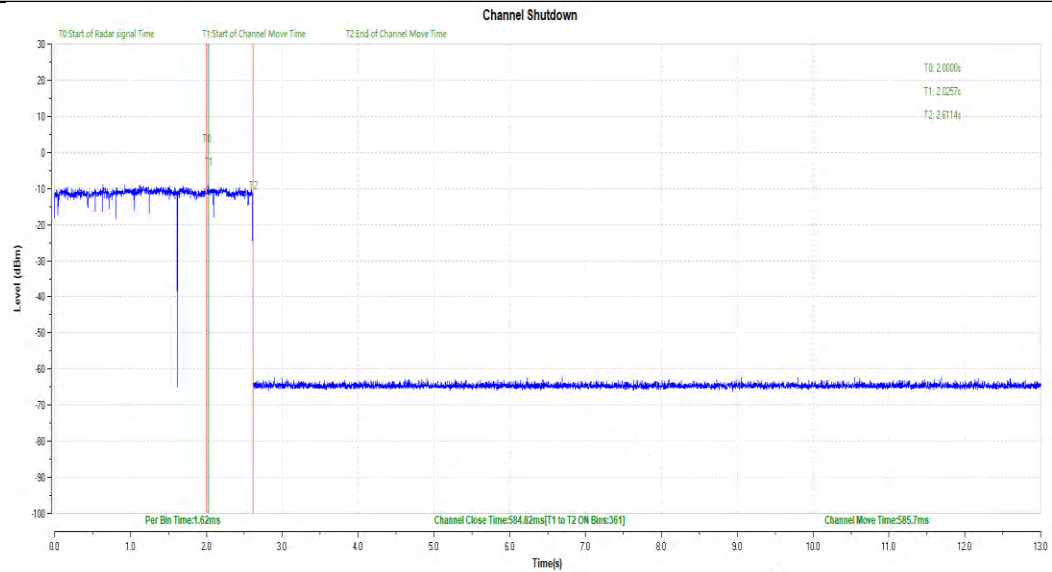


Channel Move Time and Channel Closing Transmission Time for IC

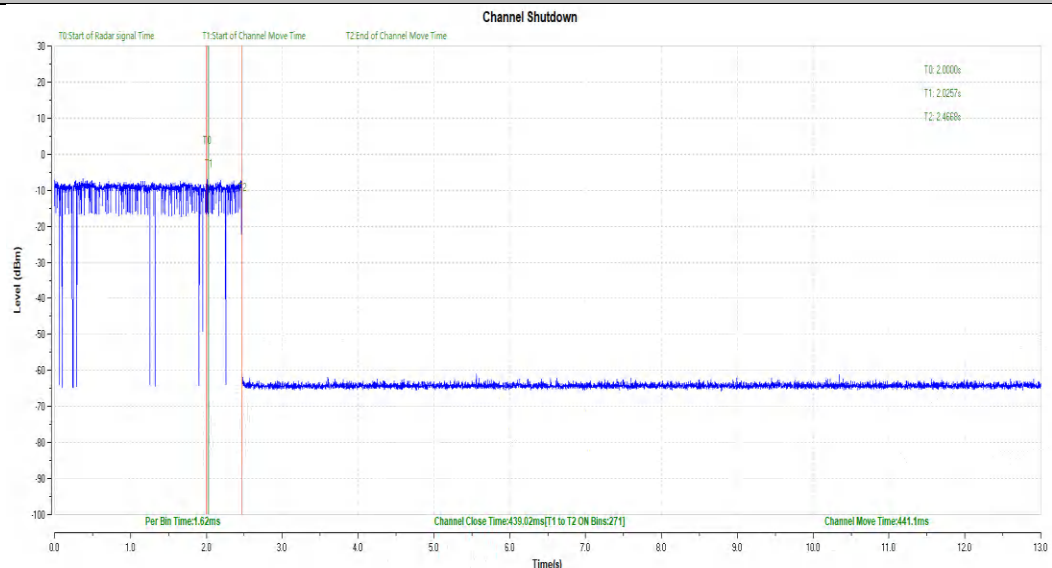
Devices operating in the 5600-5650 MHz band shall use the ETSI EN 301 893 test 835 procedure for demonstrating compliance with the DFS radar detection requirements

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5620	278.64	1000	278.6	10000	PASS
11AC40SISO	5630	439.02	1000	441.1	10000	PASS

11AC40SISO_5510



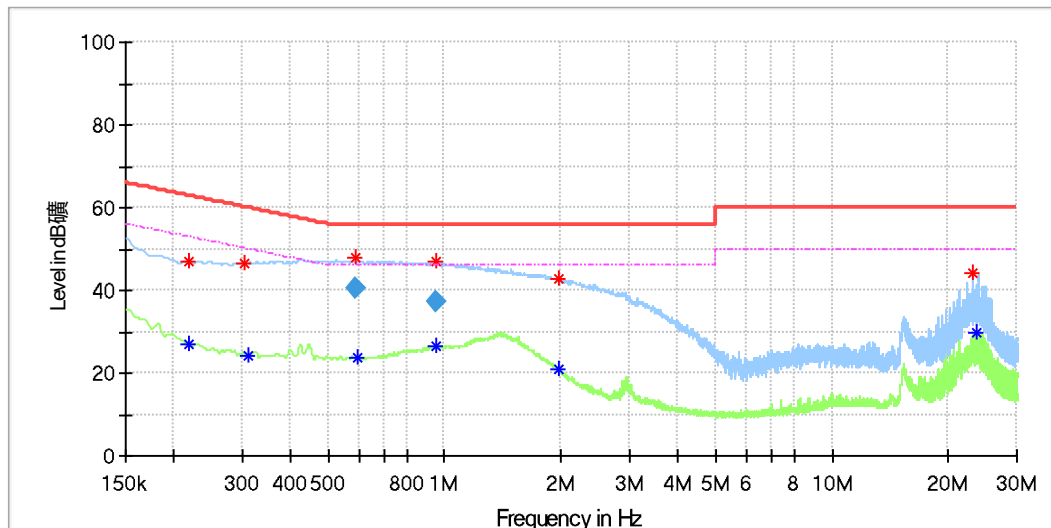
11AC40SISO_5630



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

EUT Information

EUT Name: Robot Vacuum and Mop
Order Number: P02342889
Model: YJCC040
Test Mode: Charging + Wi-Fi
Test Voltage: AC 120V/60Hz
Standard: FCC Part 15
Test By./Review By: Jun Hua/ Charlie Zha
Tem./Hum./Pressure: 24.9°C/51.3%/101kPa
Remark: SR2



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.22	46.76	---	62.83	16.07	L1	10.24
0.22	---	26.84	52.83	25.99	L1	10.24
0.30	46.67	---	60.13	13.46	L1	10.25
0.31	---	24.39	49.95	25.56	L1	10.25
0.59	48.05	---	56.00	7.95	L1	10.26
0.59	---	23.59	46.00	22.41	L1	10.26
0.95	---	26.32	46.00	19.68	L1	10.28
0.95	46.92	---	56.00	9.08	L1	10.28
1.98	42.77	---	56.00	13.23	L1	10.31
1.98	---	20.97	46.00	25.03	L1	10.31
23.11	44.10	---	60.00	15.90	L1	11.24
23.57	---	29.88	50.00	20.12	L1	11.26

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.59	40.38	---	56.00	15.62	1000.00	9.00	L1	10.26
0.95	37.04	---	56.00	18.96	1000.00	9.00	L1	10.28

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