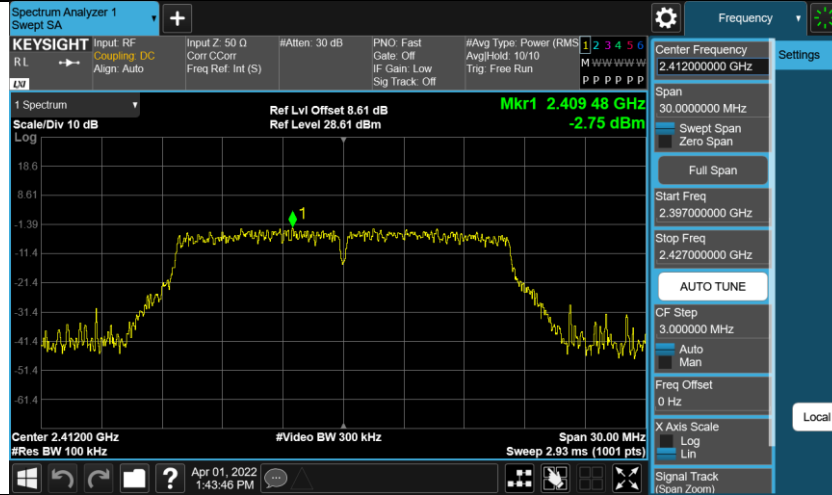
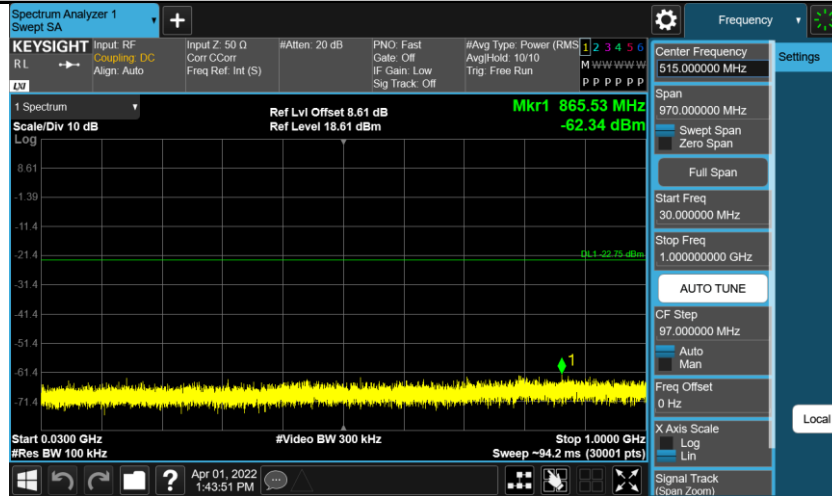


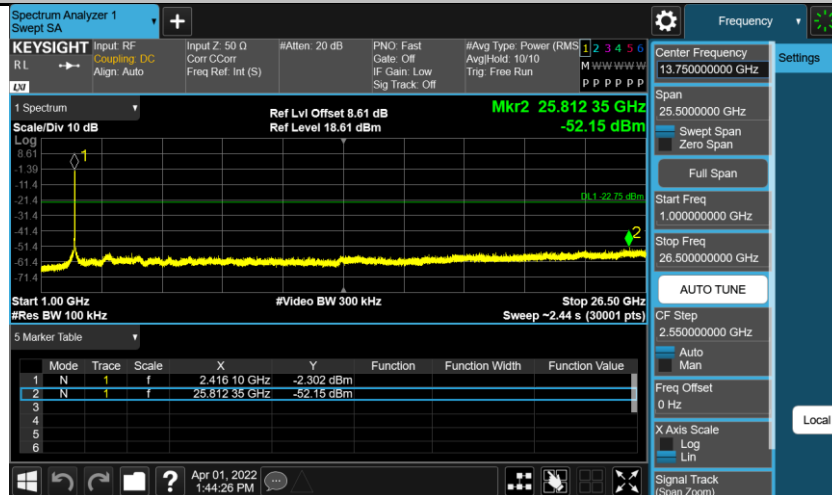
11G_Ant1_2412_0-Reference



11G_Ant1_2412_30-1000



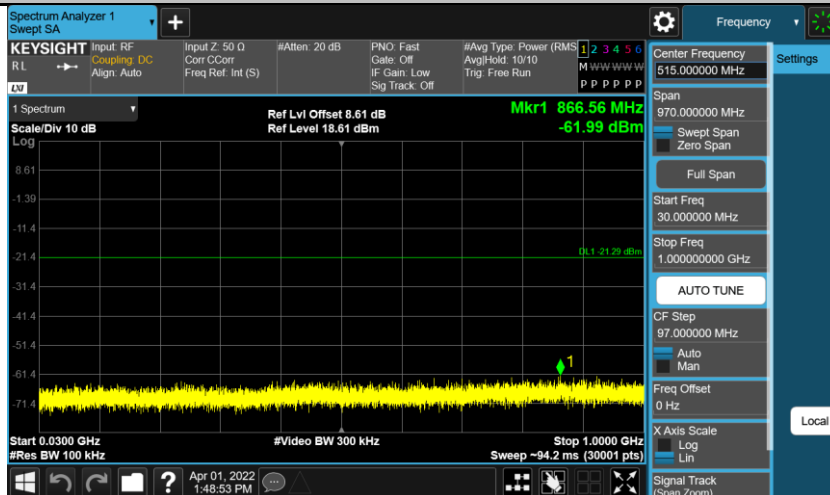
11G_Ant1_2412_1000-26500



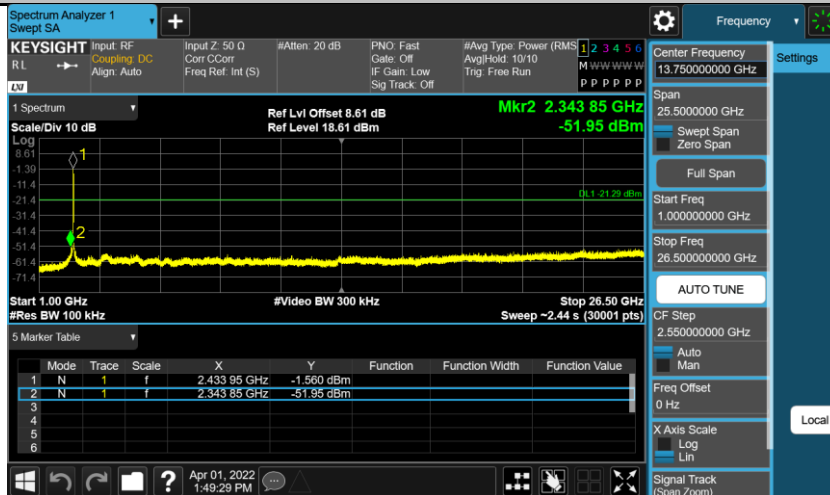
11G_Ant1_2437_0-Reference



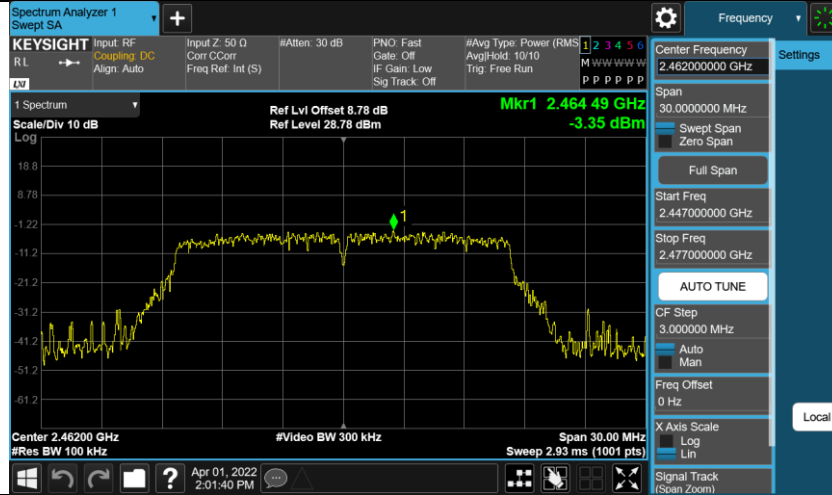
11G_Ant1_2437_30-1000



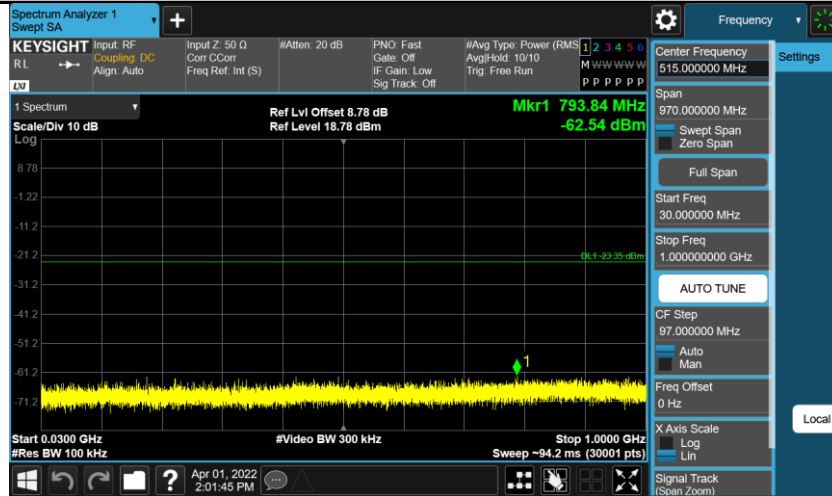
11G_Ant1_2437_1000-26500



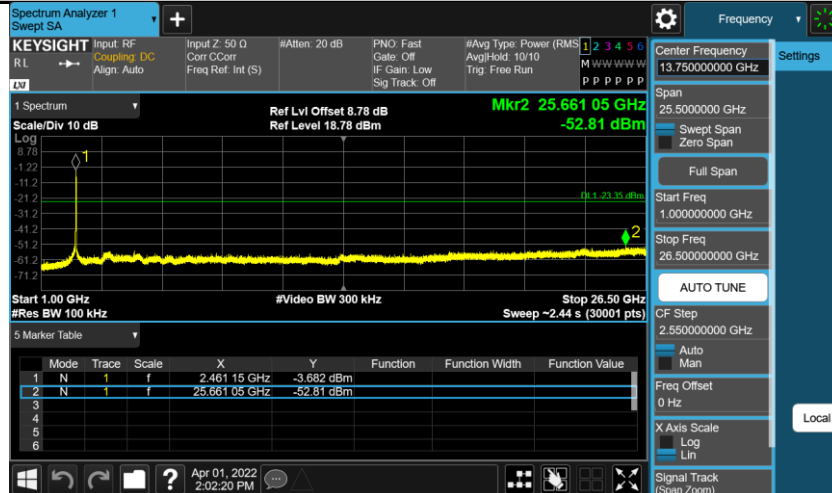
11G_Ant1_2462_0-Reference



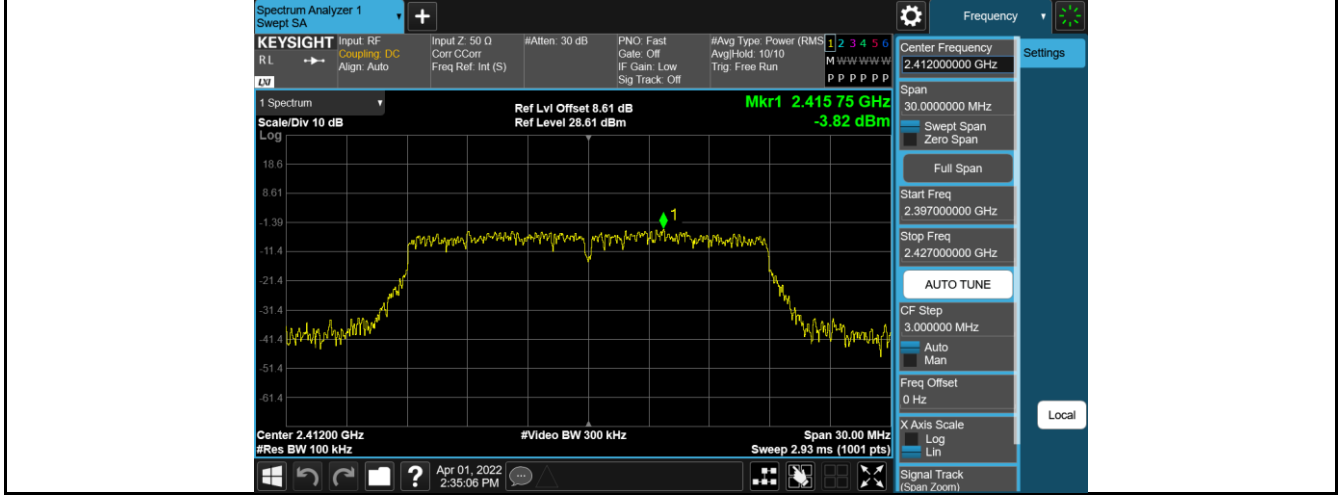
11G_Ant1_2462_30-1000



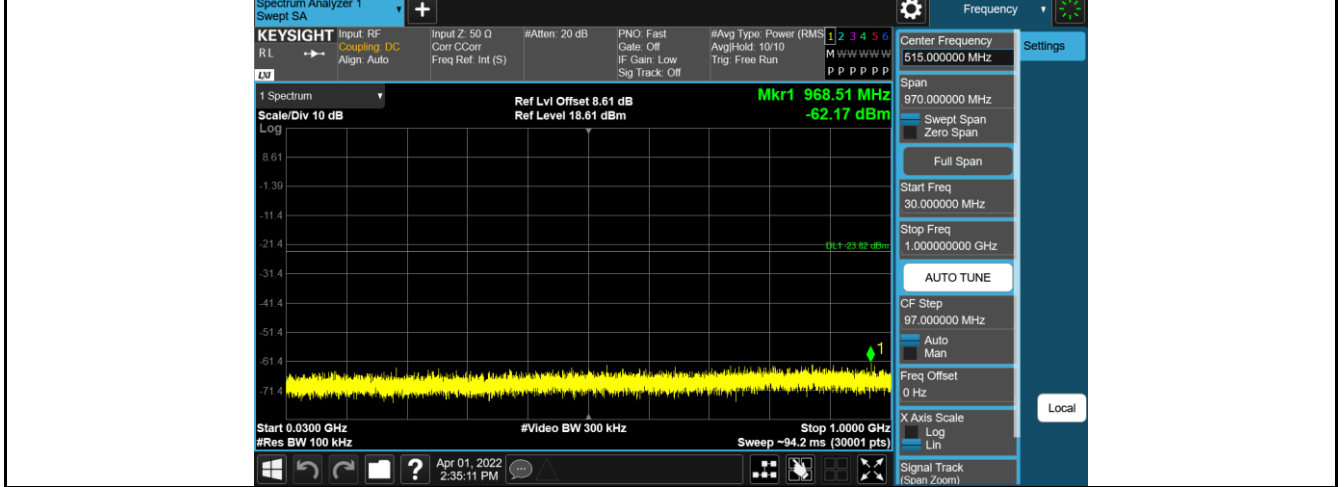
11G_Ant1_2462_1000-26500



11N20SISO_Ant1_2412_0~Reference



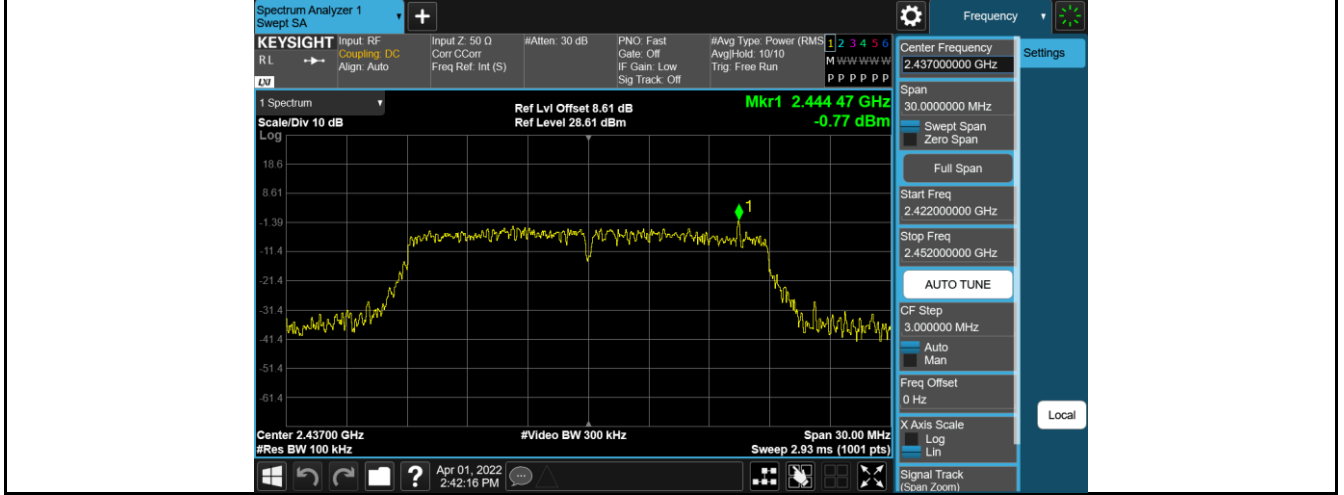
11N20SISO_Ant1_2412_30~1000



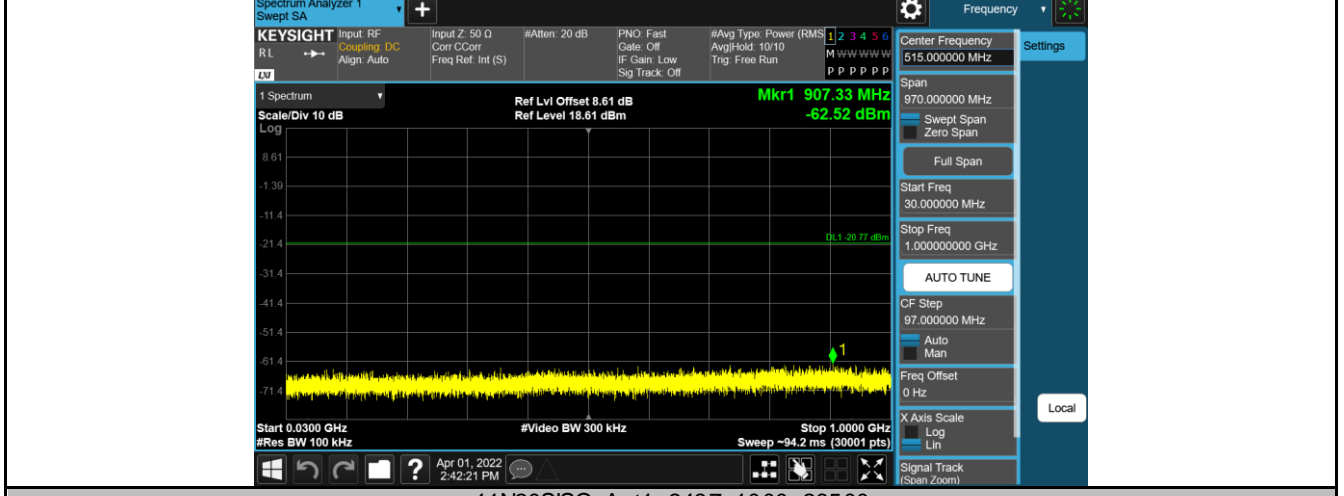
11N20SISO_Ant1_2412_1000~26500



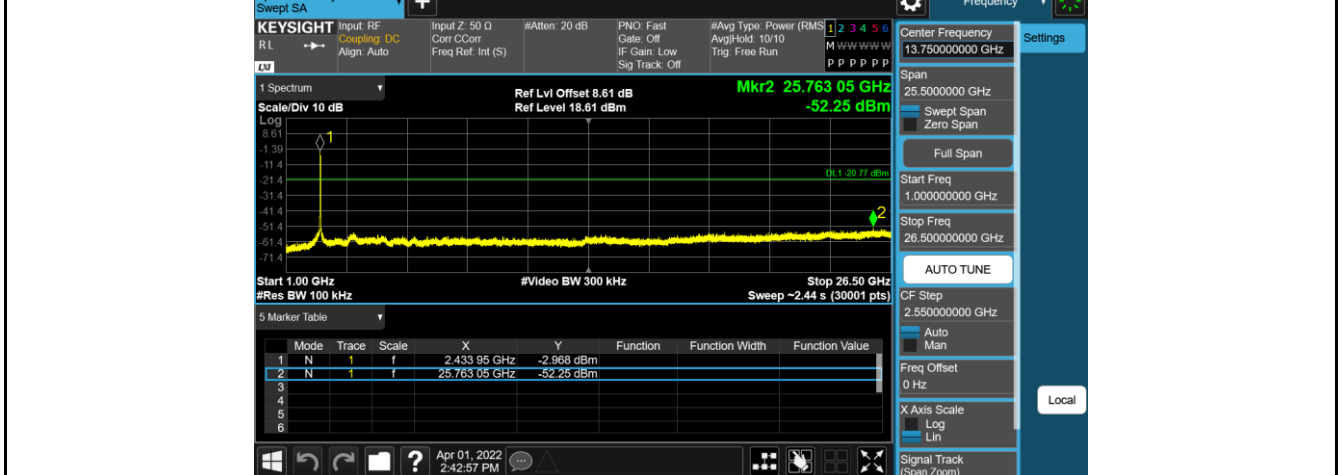
11N20SISO_Ant1_2437_0~Reference



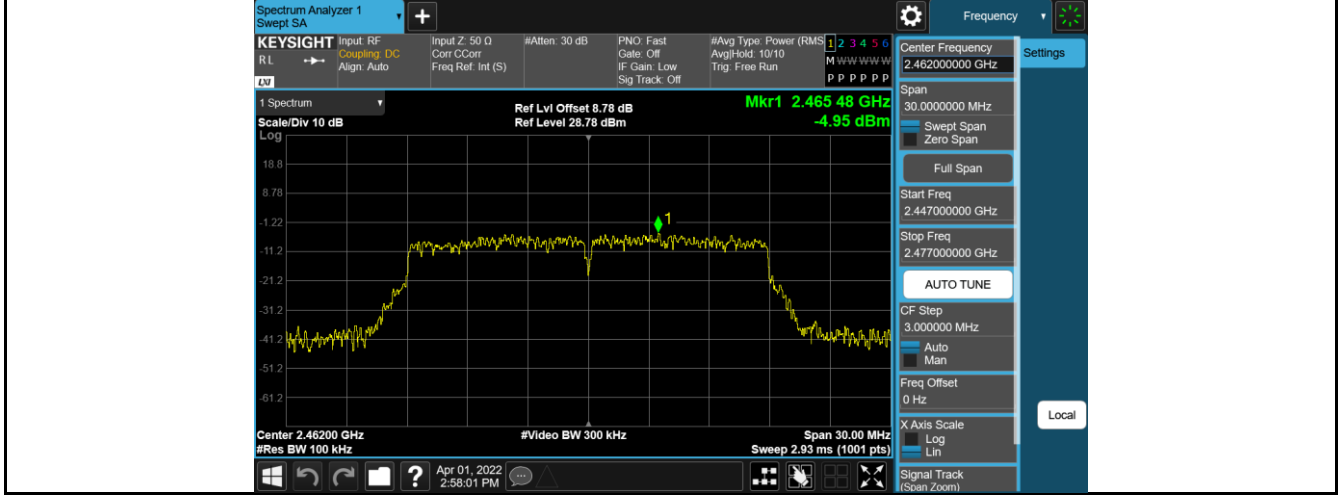
11N20SISO_Ant1_2437_30~1000



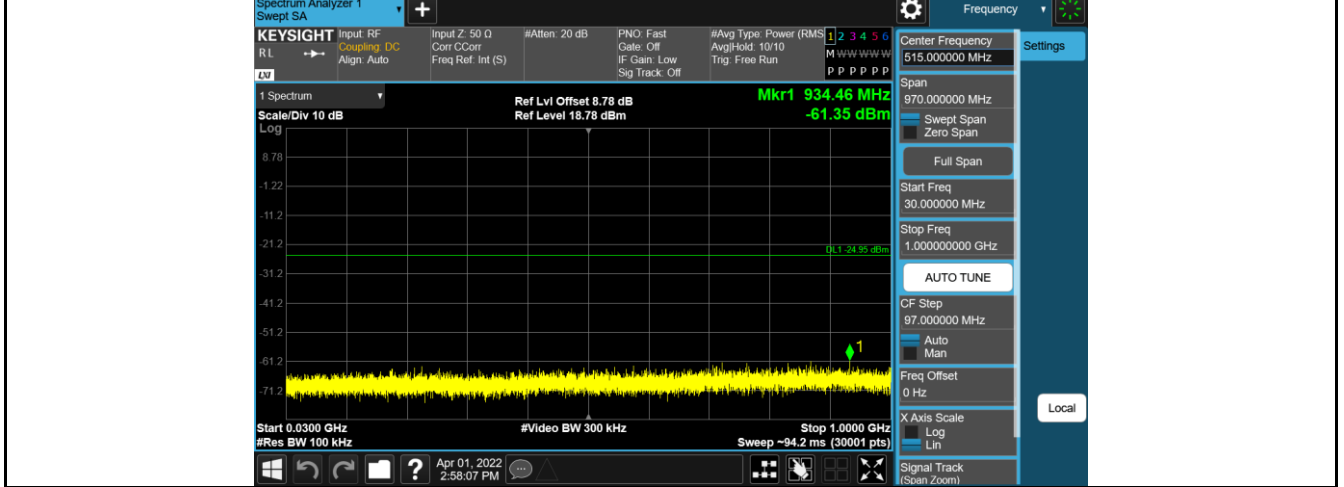
11N20SISO_Ant1_2437_1000~26500



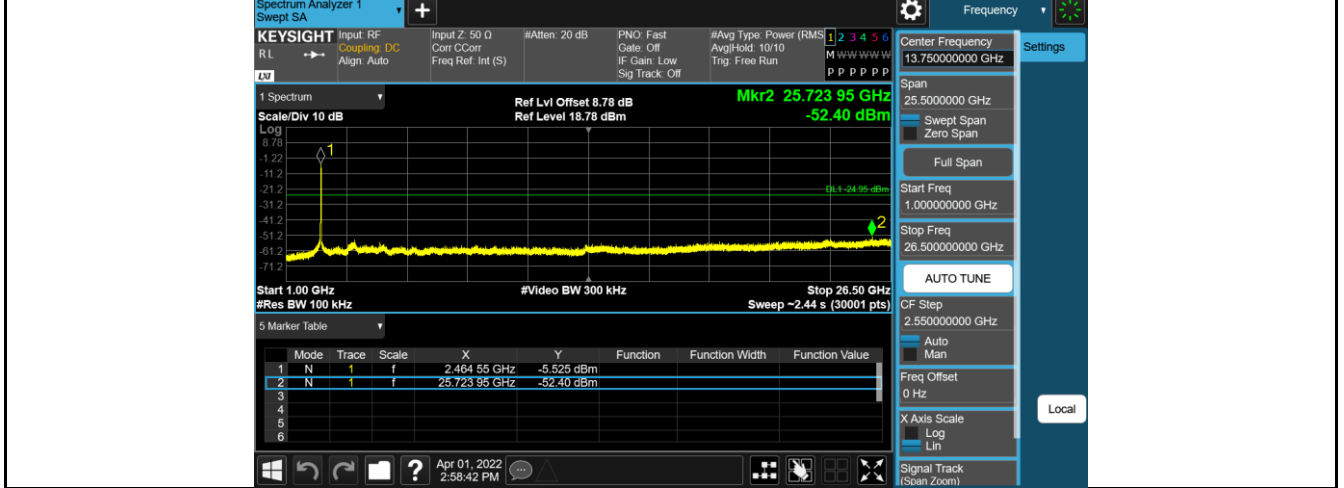
11N20SISO_Ant1_2462_0~Reference



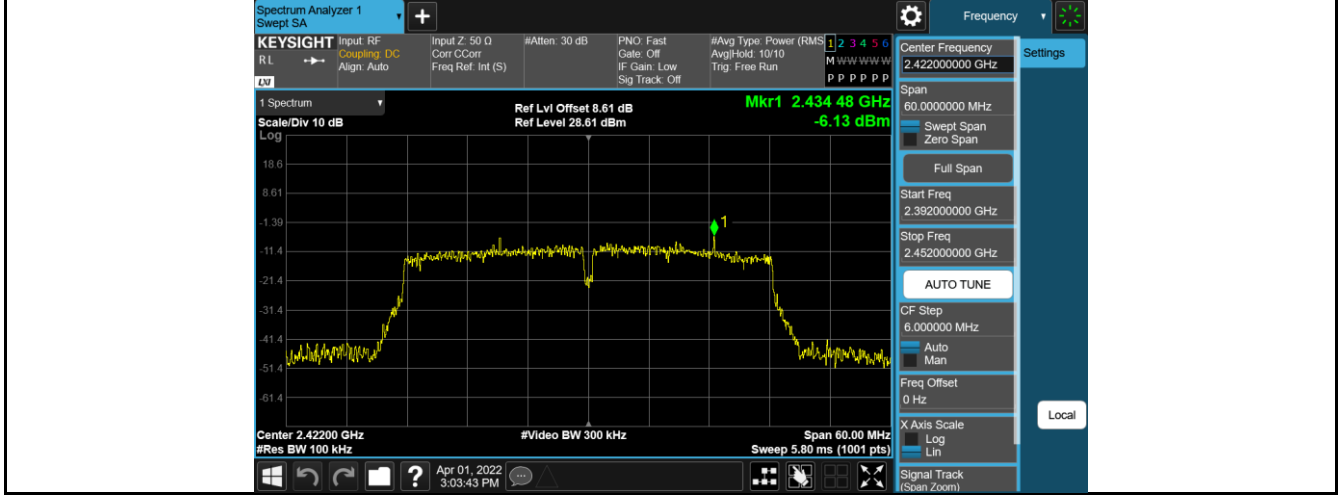
11N20SISO_Ant1_2462_30~1000



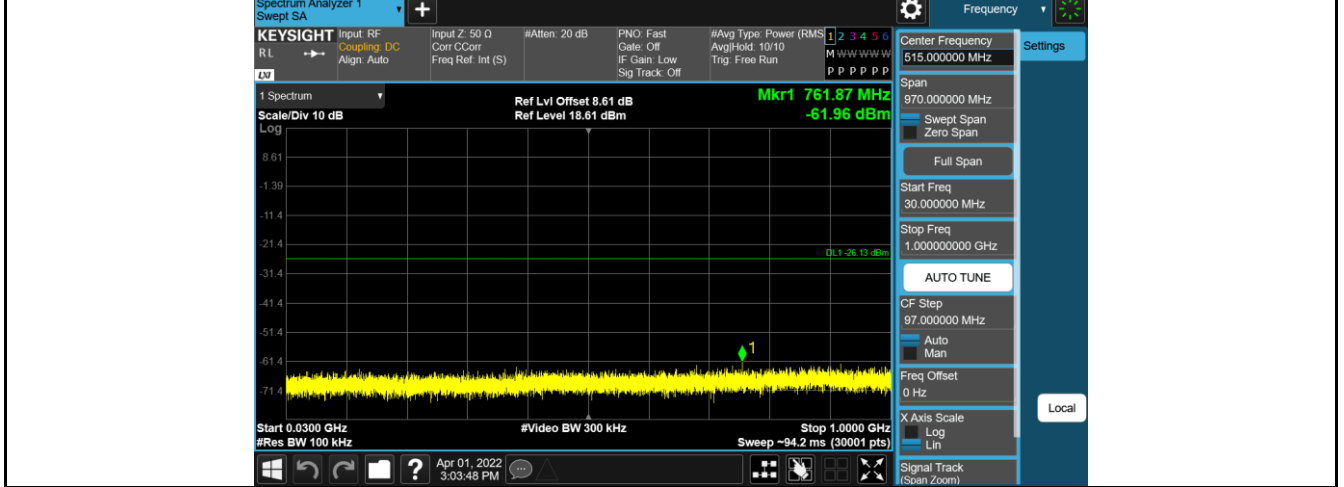
11N20SISO_Ant1_2462_1000~26500



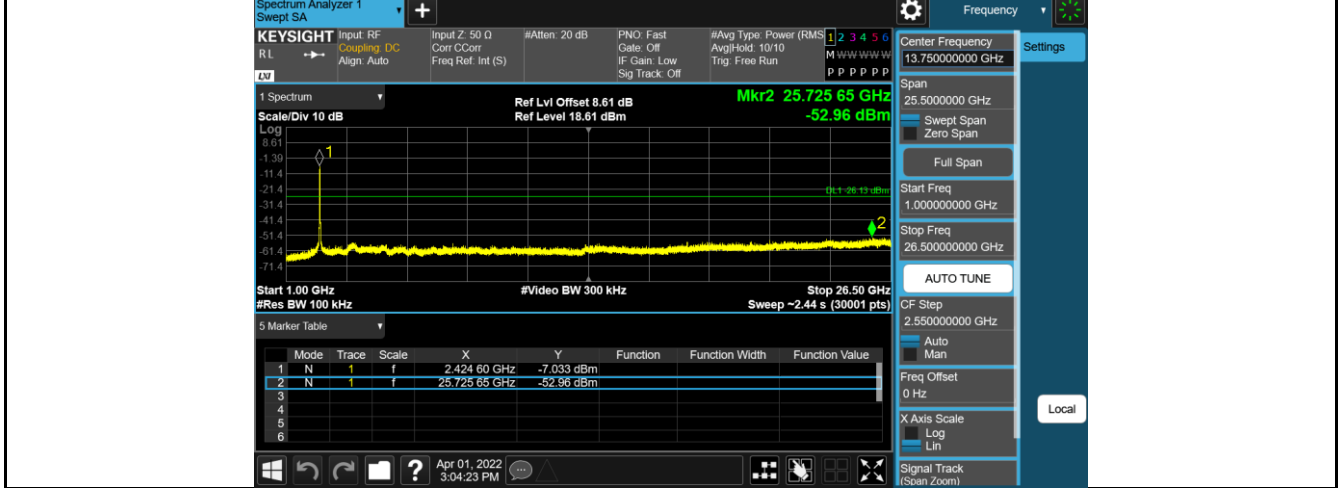
11N40SISO_Ant1_2422_0~Reference



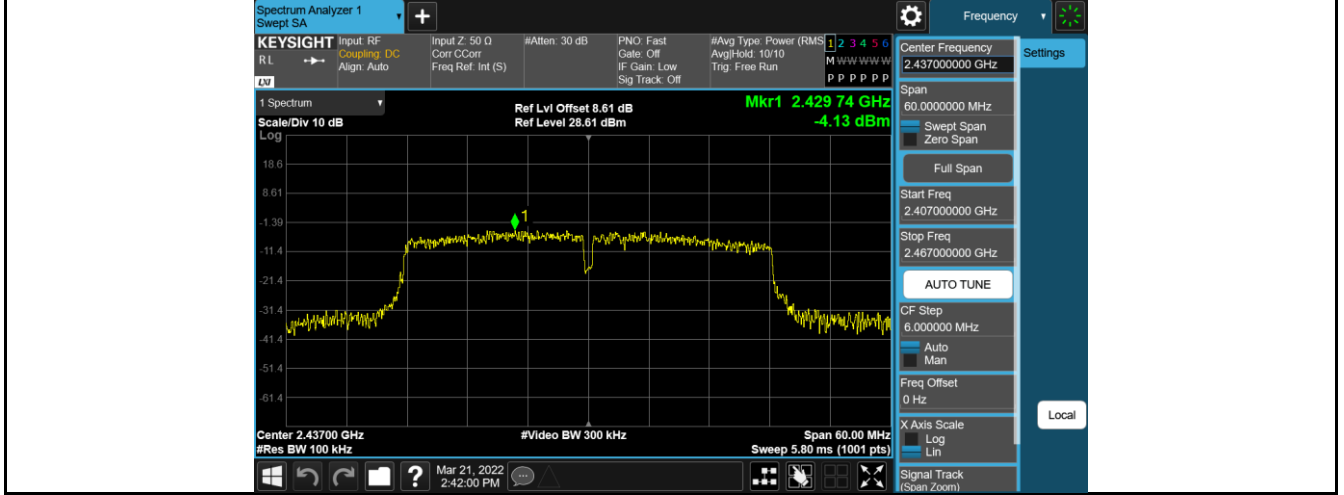
11N40SISO_Ant1_2422_30~1000



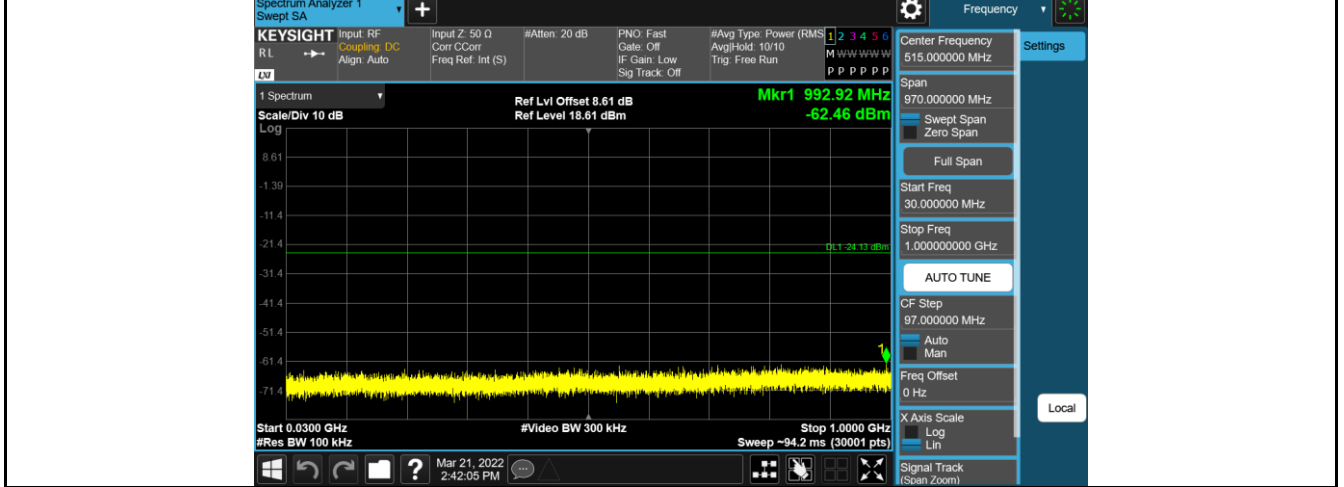
11N40SISO_Ant1_2422_1000~26500



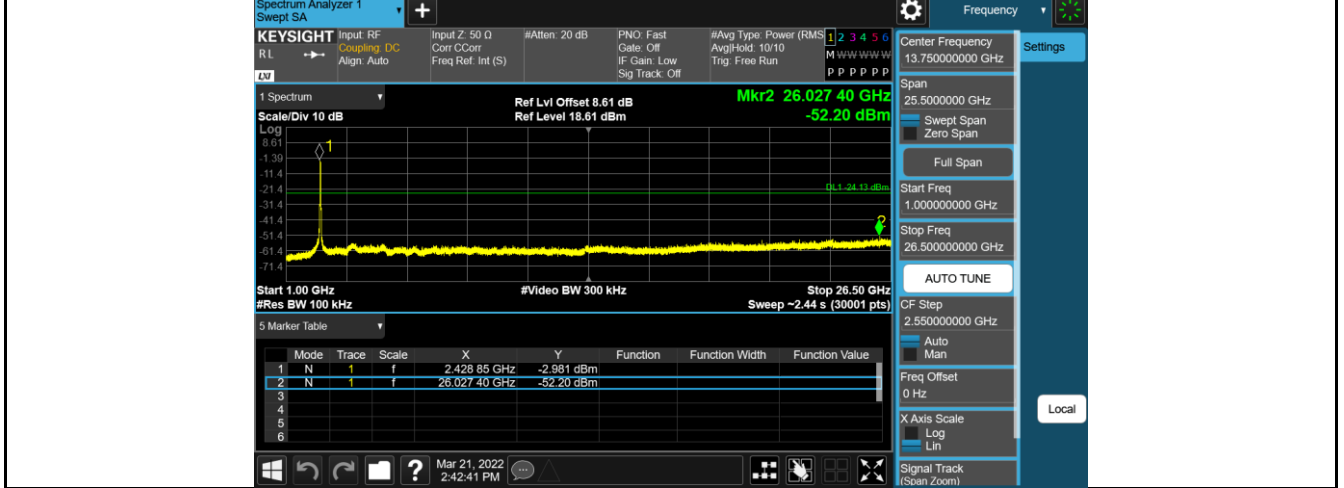
11N40SISO_Ant1_2437_0~Reference



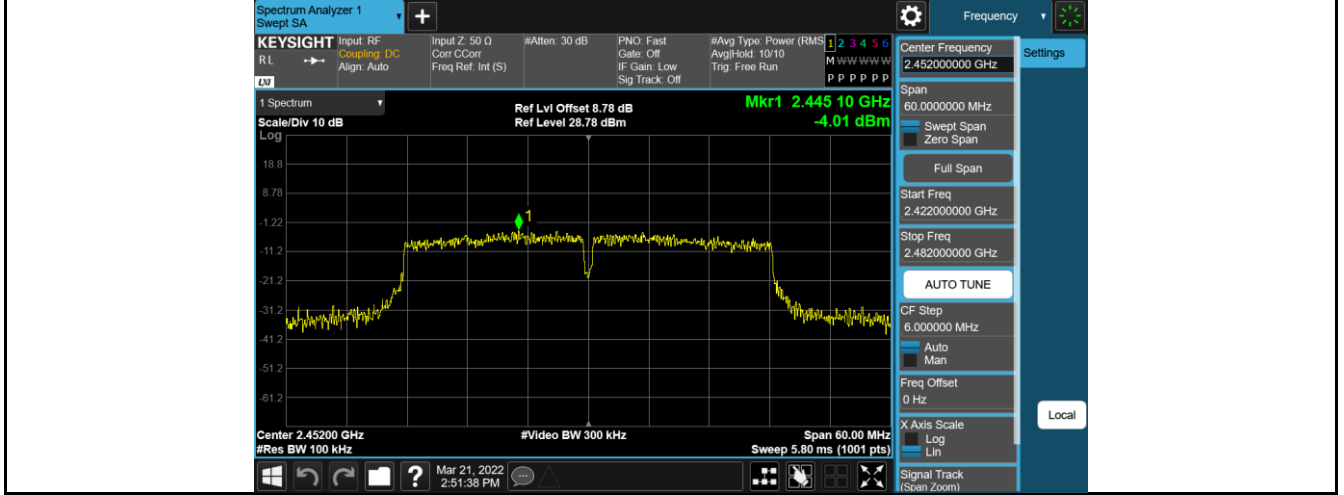
11N40SISO_Ant1_2437_30~1000



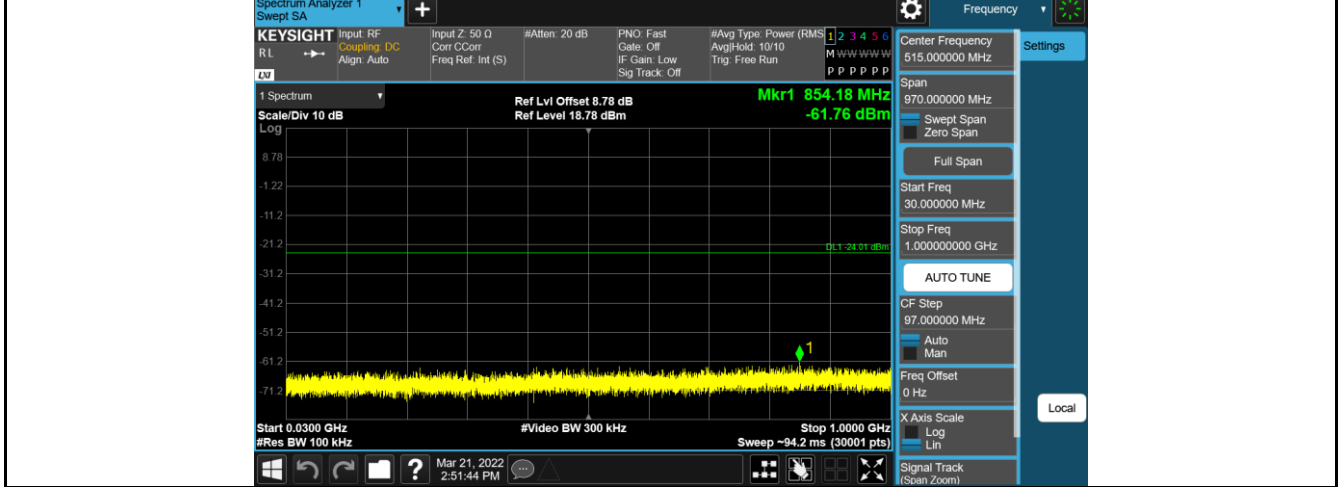
11N40SISO_Ant1_2437_1000~26500



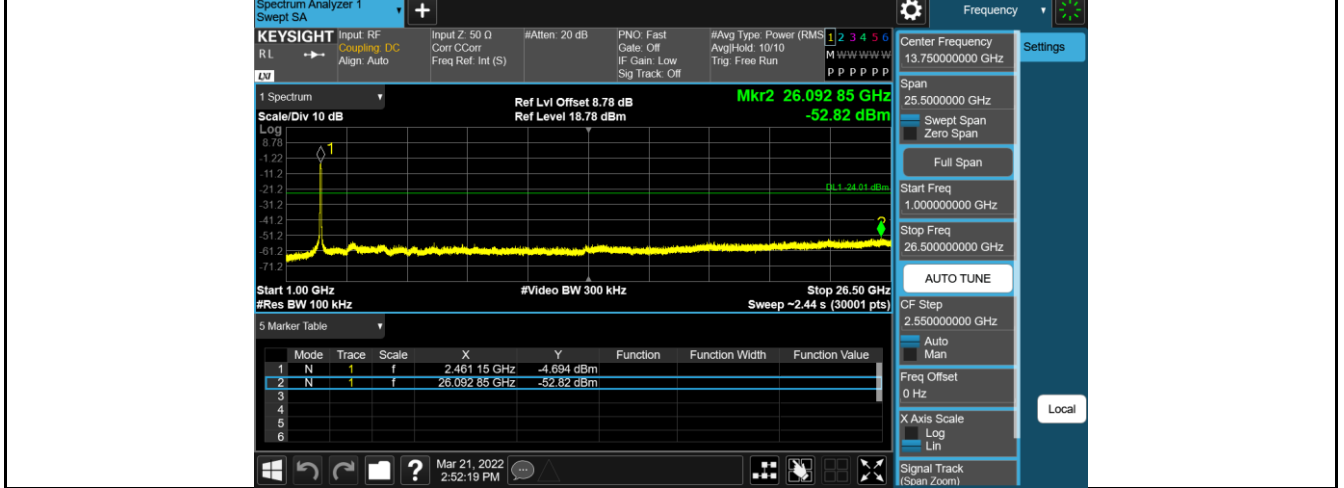
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



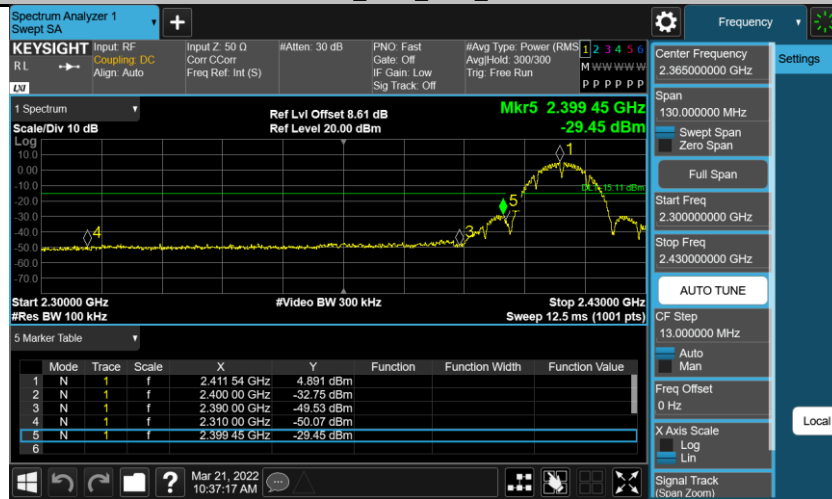
11N40SISO_Ant1_2452_1000~26500



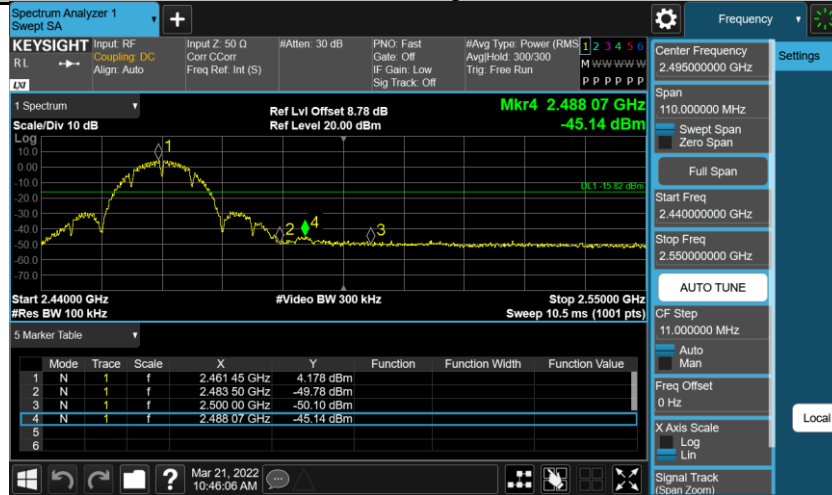
Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.89	-29.45	≤-15.11	PASS
		High	2462	4.18	-45.14	≤-15.82	PASS
11G	Ant1	Low	2412	0.96	-29.94	≤-19.04	PASS
		High	2462	0.13	-41.68	≤-19.87	PASS
11N20SISO	Ant1	Low	2412	-0.19	-32.93	≤-20.19	PASS
		High	2462	-1.13	-44.69	≤-21.13	PASS
11N40SISO	Ant1	Low	2422	-4.84	-41.13	≤-24.84	PASS
		High	2452	-3.75	-31.07	≤-23.75	PASS

11B_Ant1_Low_2412



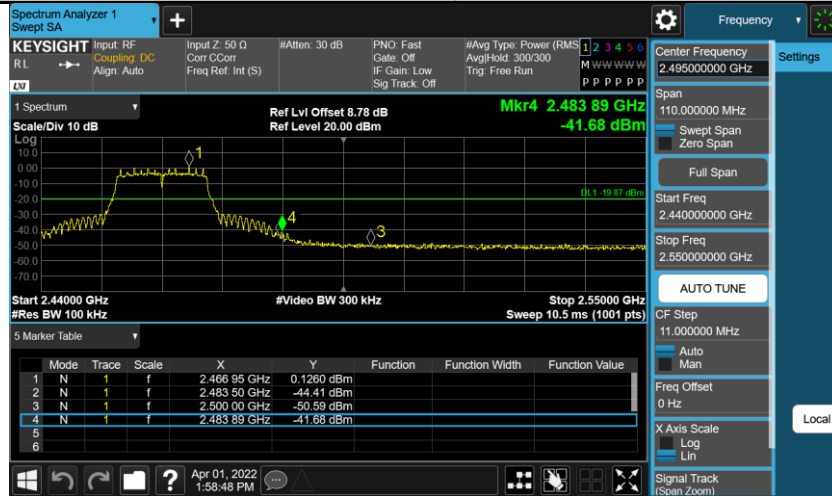
11B_Ant1_High_2462



11G_Ant1_Low_2412



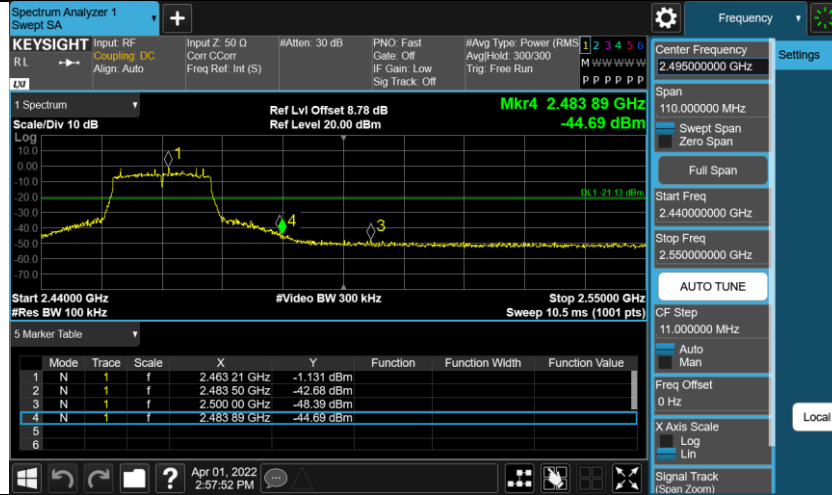
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

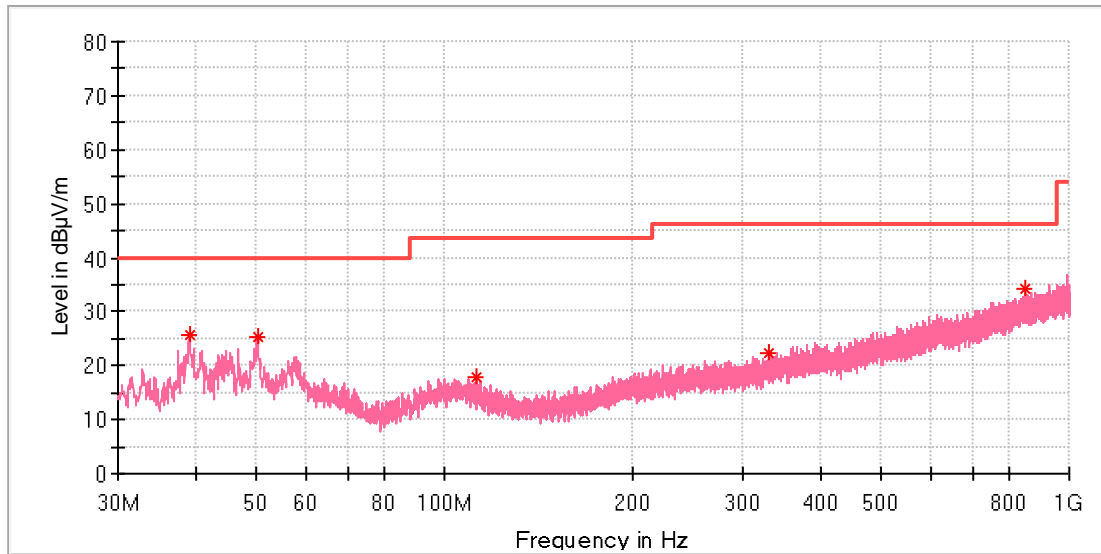


11N40SISO_Ant1_High_2452



EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11b_Ch1
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

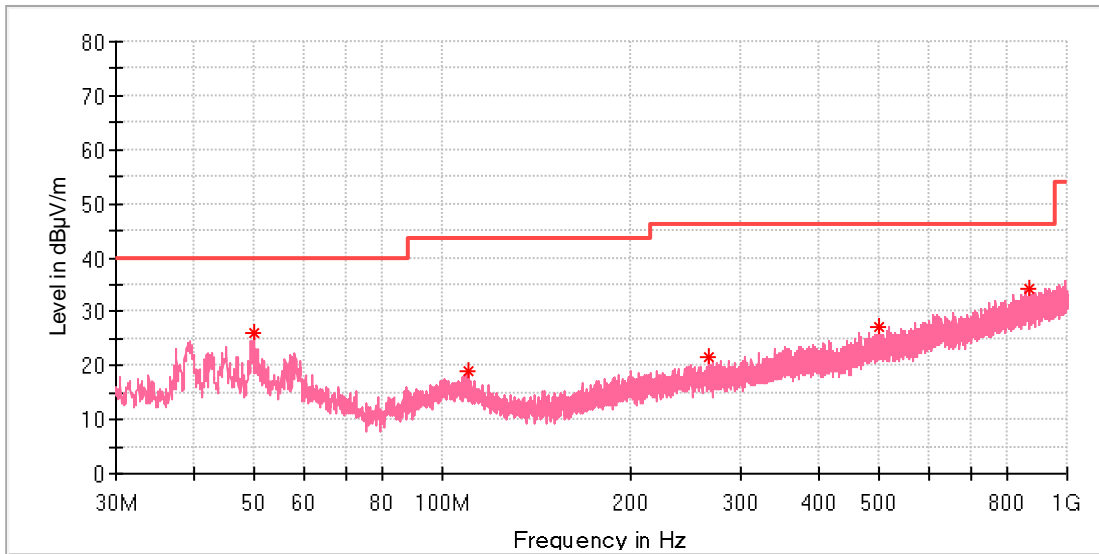
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.021000	25.86	40.00	14.14	100.0	V	293.0	-20.4
50.127500	25.36	40.00	14.64	100.0	V	217.0	-18.3
112.692500	17.73	43.50	25.77	100.0	V	53.0	-19.4
329.924000	22.47	46.00	23.53	100.0	V	182.0	-15.5
852.899500	34.25	46.00	11.75	100.0	V	355.0	-5.5

Final Result

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

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11b_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.933500	25.88	40.00	14.12	100.0	V	16.0	-18.3
110.073500	18.97	43.50	24.53	100.0	V	167.0	-19.1
267.068000	21.73	46.00	24.27	100.0	V	117.0	-17.0
500.547000	27.35	46.00	18.65	100.0	V	44.0	-11.8
871.523500	34.11	46.00	11.89	100.0	V	52.0	-5.2

Final Result

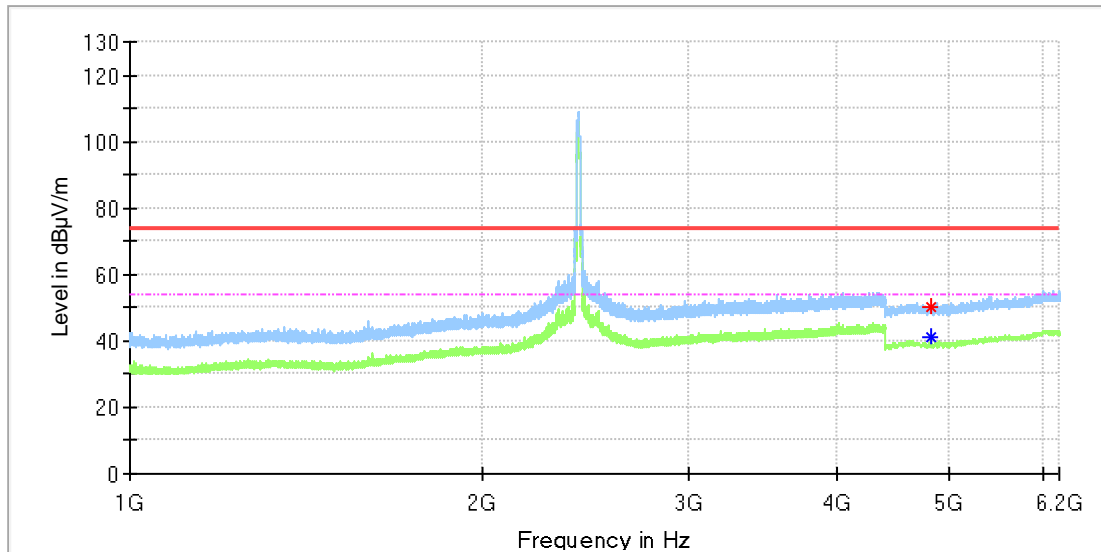
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
--	--	--	--	--		--	--

1GHz - 18GHz

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

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No/Sample No:	168361506/A003218991-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.500000	50.37	--	74.00	23.63	100.0	H	122.0	11.8
4824.000000	--	41.34	54.00	12.66	100.0	H	122.0	11.8

Final_Result

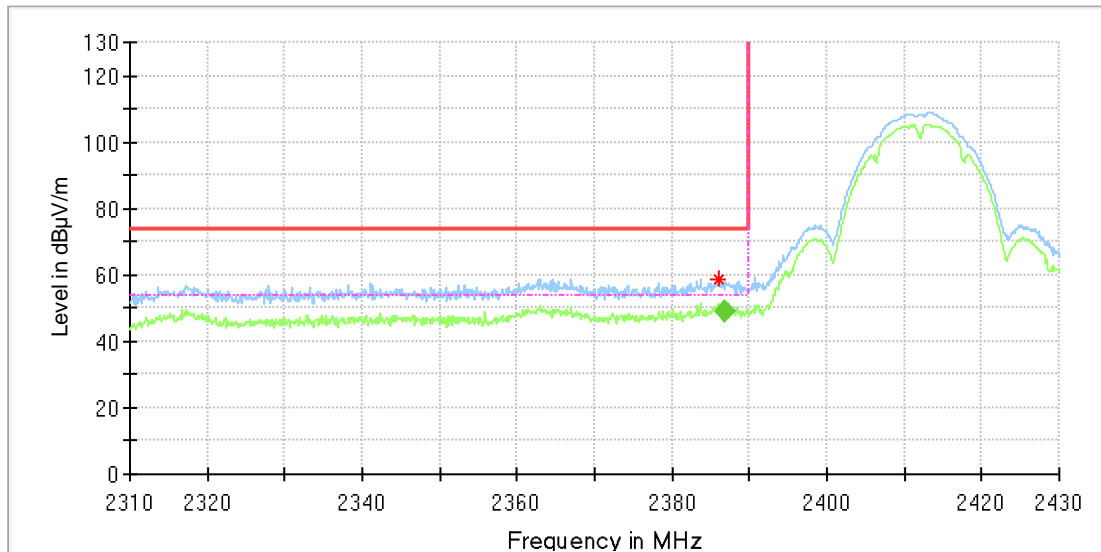
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
--	--	--	--	--		--	--

Appendix B.6: Test Results of Radiated Emissions in Restricted Bands

Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11b_Ch1
Order No./Sample No:	168361506/A003218991-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

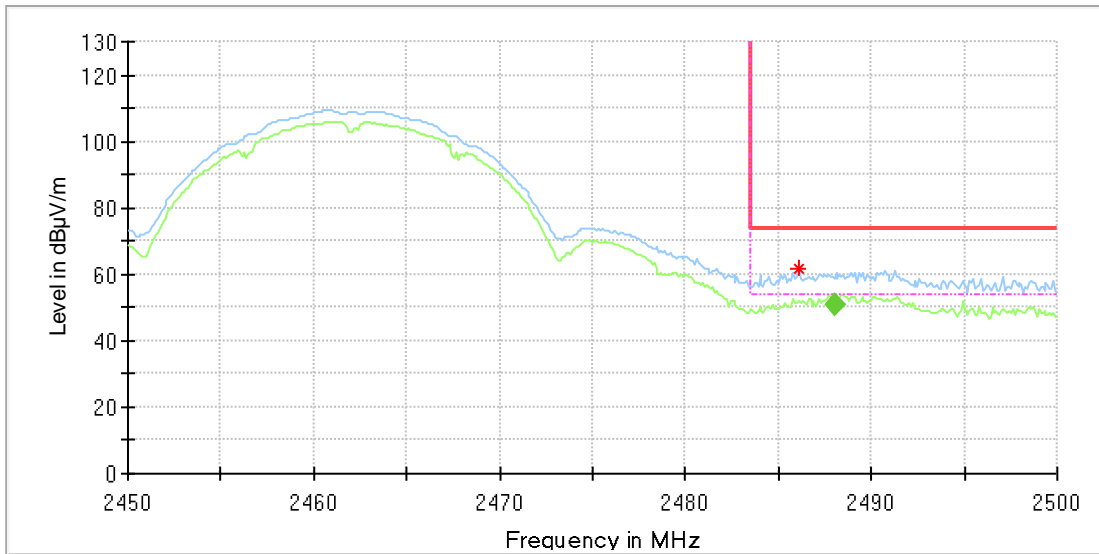
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.000000	58.75	--	74.00	15.25	100.0	H	48.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.801500	49.11	54.00	4.89	100.0	H	47.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11b_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

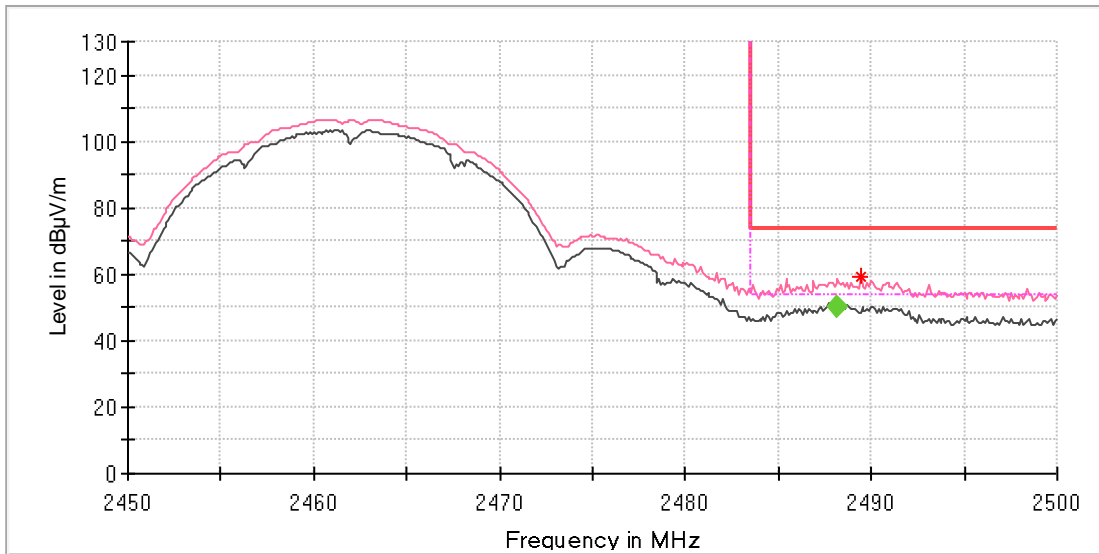
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.10000	61.38	—	74.00	12.62	100.0	H	54.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.053250	50.93	54.00	3.07	100.0	H	29.0	7.4

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11b_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.400000	59.45	—	74.00	14.55	100.0	V	190.0	7.4

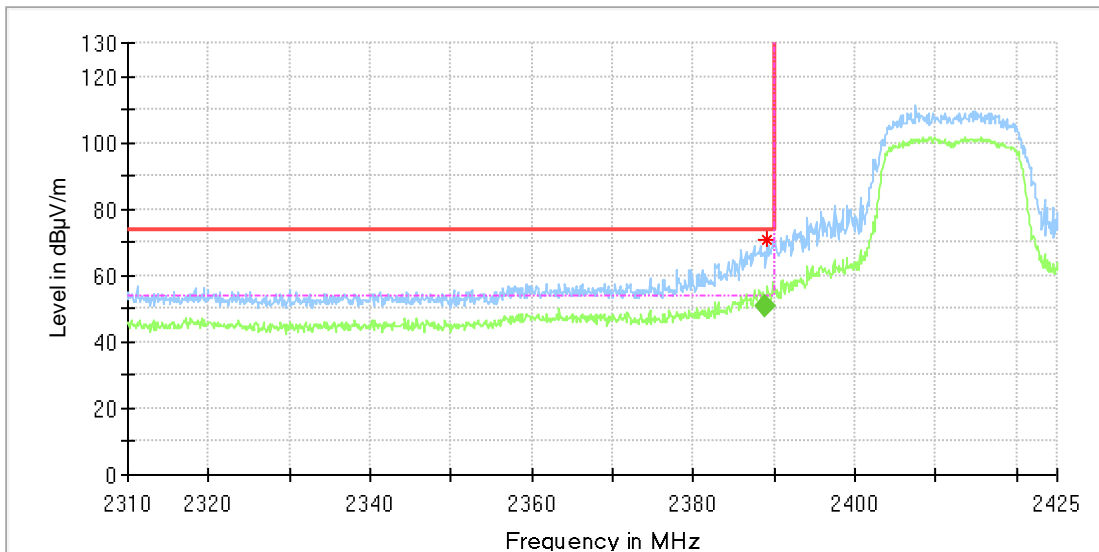
Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.136850	49.98	54.00	4.02	105.0	V	189.0	7.4

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11g_Ch1
Order No/Sample No:	168361506/A003218991-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

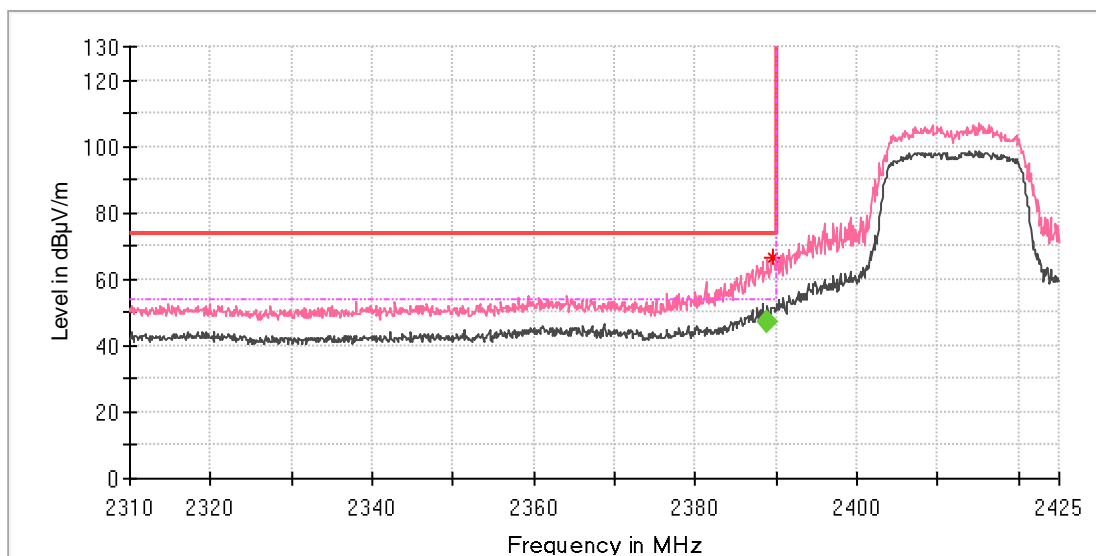
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.100000	70.54	--	74.00	3.46	100.0	H	41.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.719650	50.57	54.00	3.43	100.0	H	39.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11g_Ch1
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

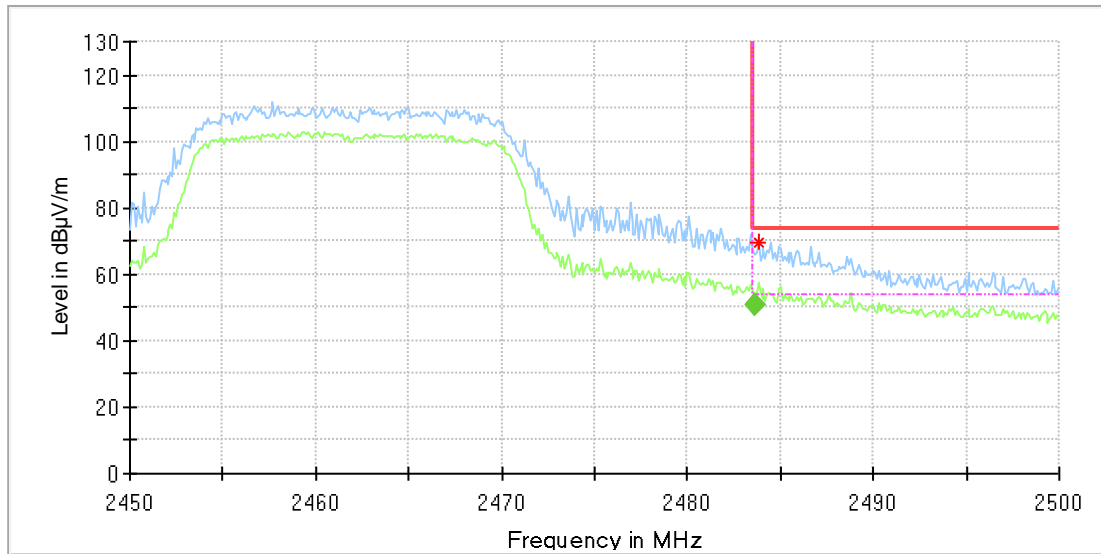
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.50000	66.75	—	74.00	7.25	100.0	V	120.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.717050	47.27	54.00	6.73	105.0	V	181.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11g_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

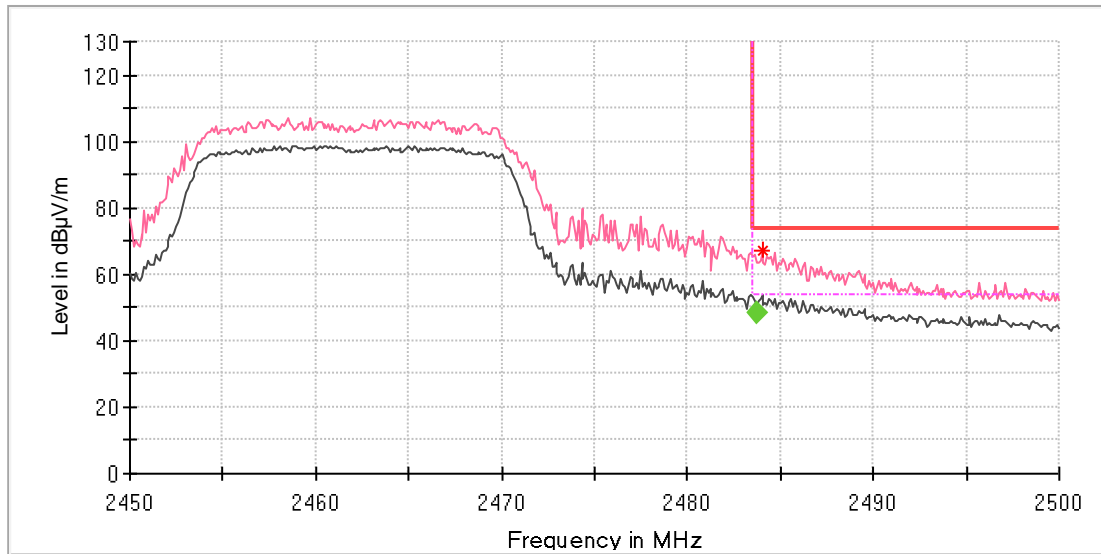
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.800000	69.47	—	74.00	4.53	100.0	H	47.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.642200	50.74	54.00	3.26	100.0	H	45.0	7.4

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11g_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.000000	67.38	—	74.00	6.62	100.0	V	177.0	7.4

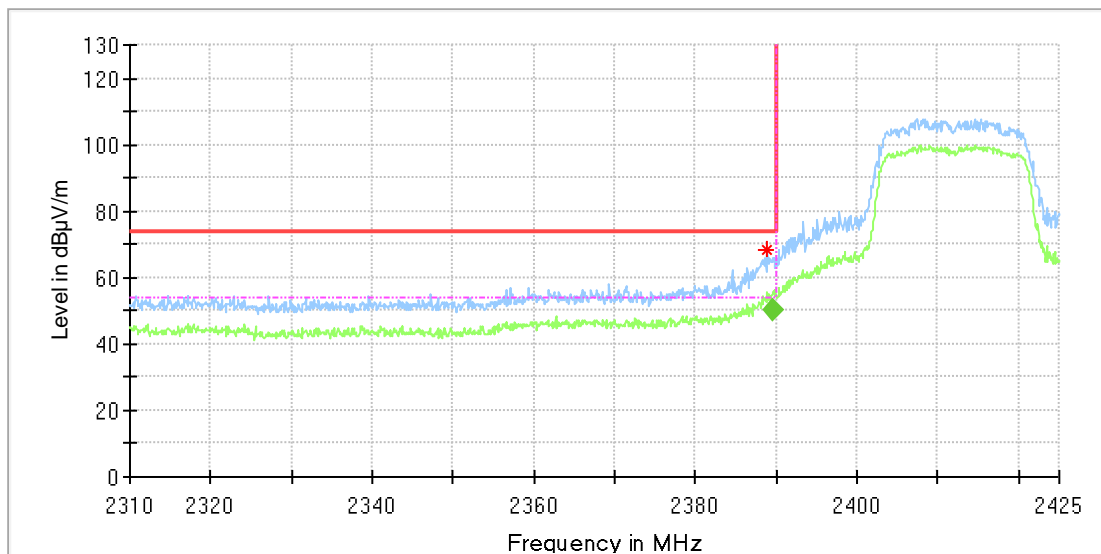
Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.718400	48.18	54.00	5.82	100.0	V	176.0	7.4

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n20_Ch1
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

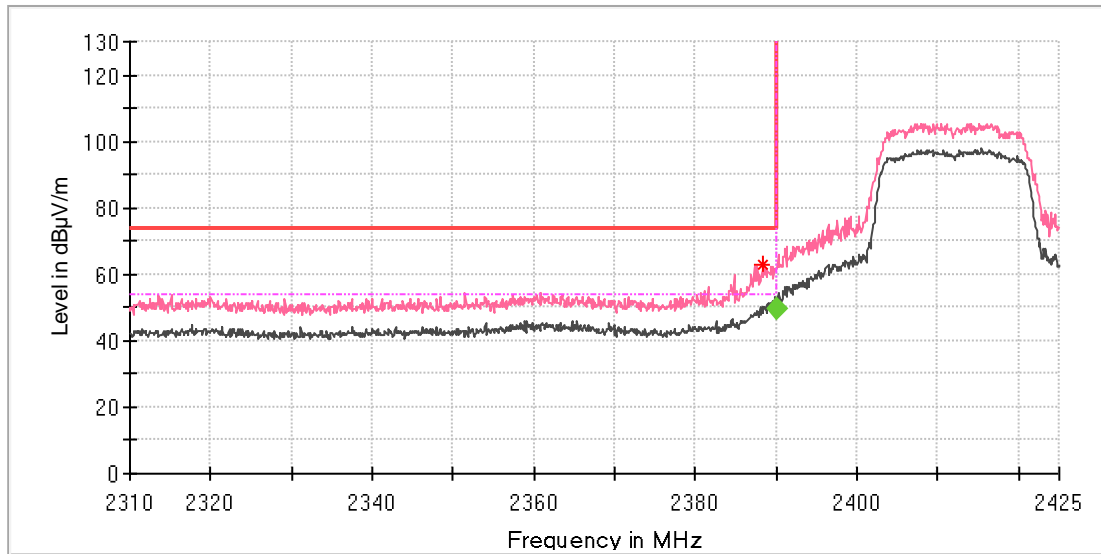
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.900000	68.10	--	74.00	5.90	100.0	H	48.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.587650	50.43	54.00	3.57	100.0	H	46.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n20_Ch1
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

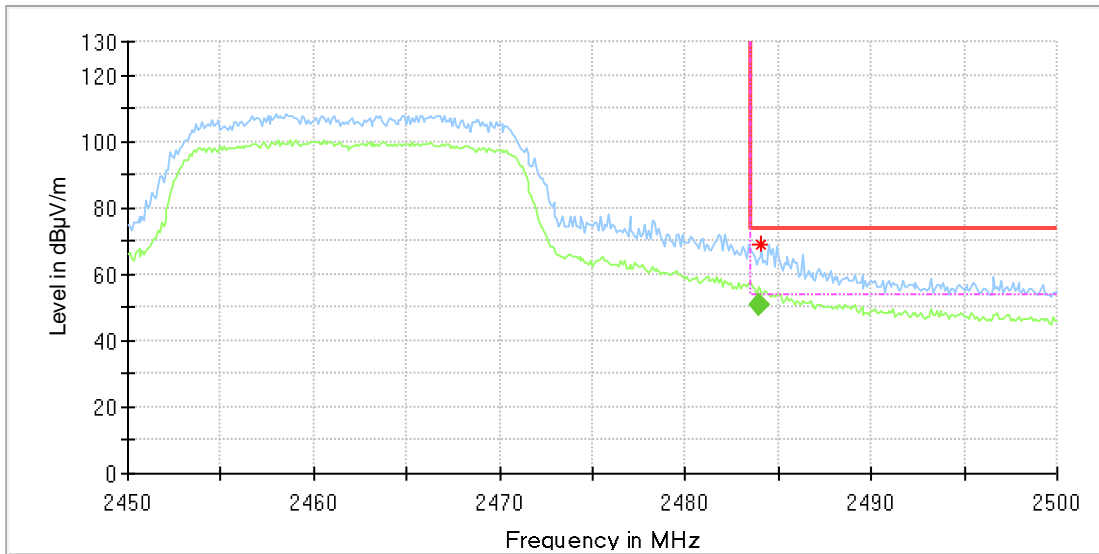
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.400000	63.18	—	74.00	10.82	100.0	V	190.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.984300	49.53	54.00	4.47	105.0	V	185.0	7.0

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n20_Ch11
Order No/Sample No:	168361506/A003218991-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

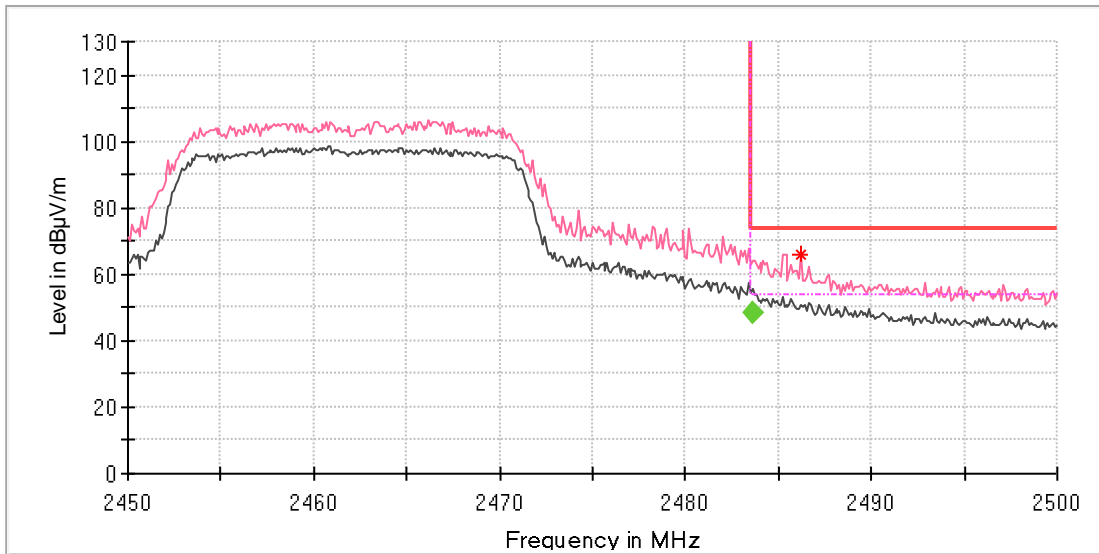
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.100000	69.14	—	74.00	4.86	100.0	H	57.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.930450	50.75	54.00	3.25	100.0	H	82.0	7.4

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n20_Ch11
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.200000	66.11	—	74.00	7.89	100.0	V	181.0	7.4

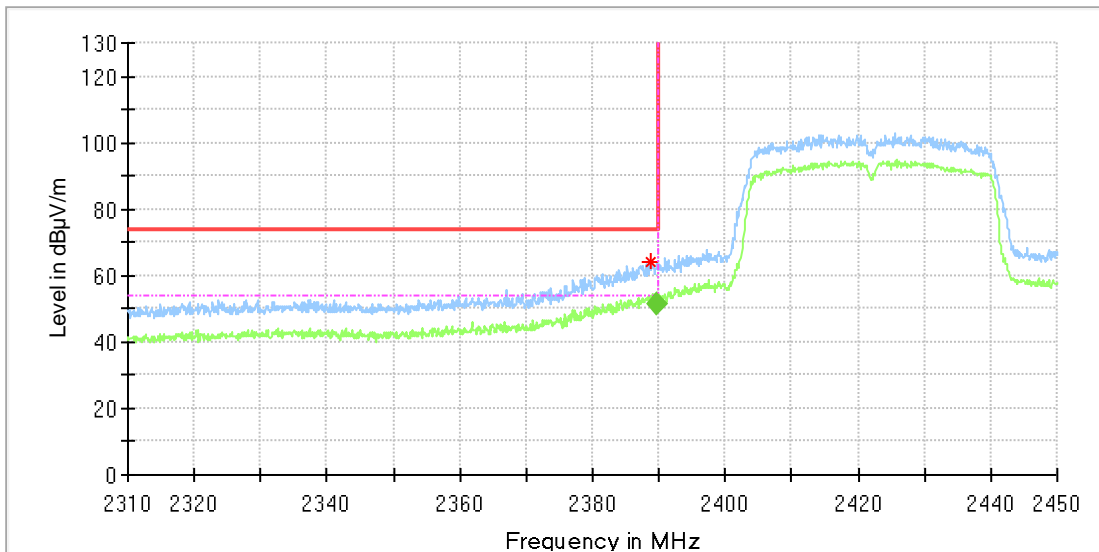
Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.616000	48.42	54.00	5.58	100.0	V	169.0	7.4

Wi-Fi 802.11 n(HT40) mode, MCS0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n40_Ch3
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical Freqs

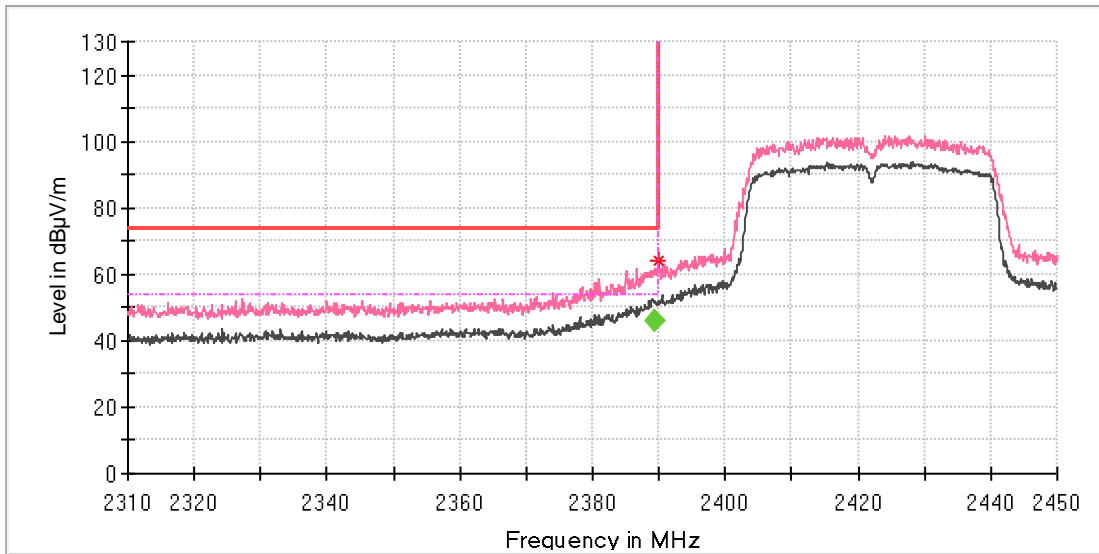
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.600000	63.95	--	74.00	10.05	100.0	H	60.0	7.0

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.591150	50.90	54.00	3.10	100.0	H	46.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n40_Ch3
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

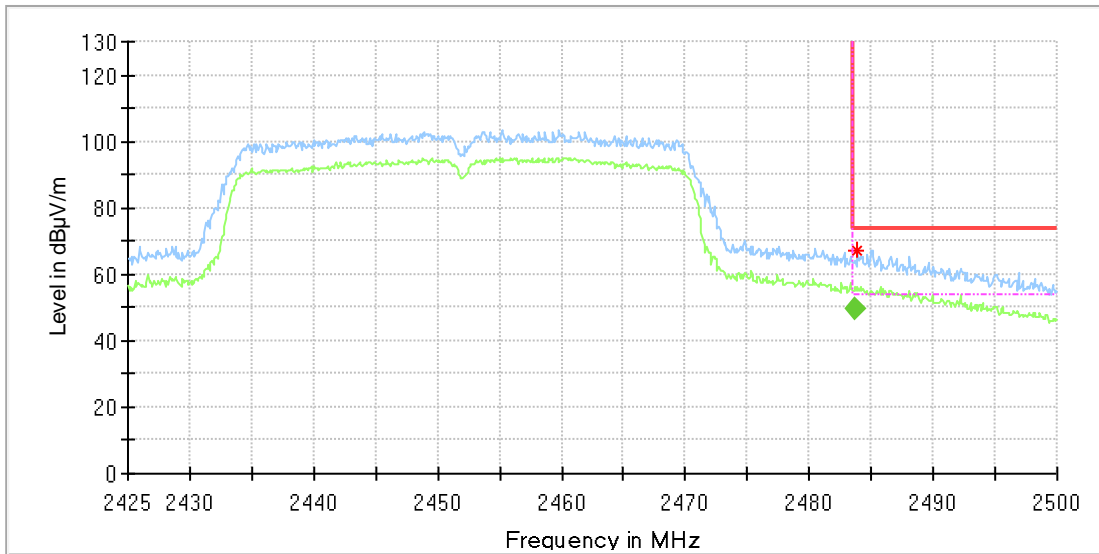
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	63.82	—	74.00	10.18	100.0	V	189.0	7.0

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.422550	45.97	54.00	8.03	105.0	V	177.0	7.0

EUT Information

EUT Name: Robotic Vacuum Cleaner
 Model: Q400RR
 Test Mode: WiFi 2.4G_11n40_Ch9
 Order No/Sample No: 168361506/A003218991-001
 Test Voltage: Battery
 Remark: Temp 22 Humi:55%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

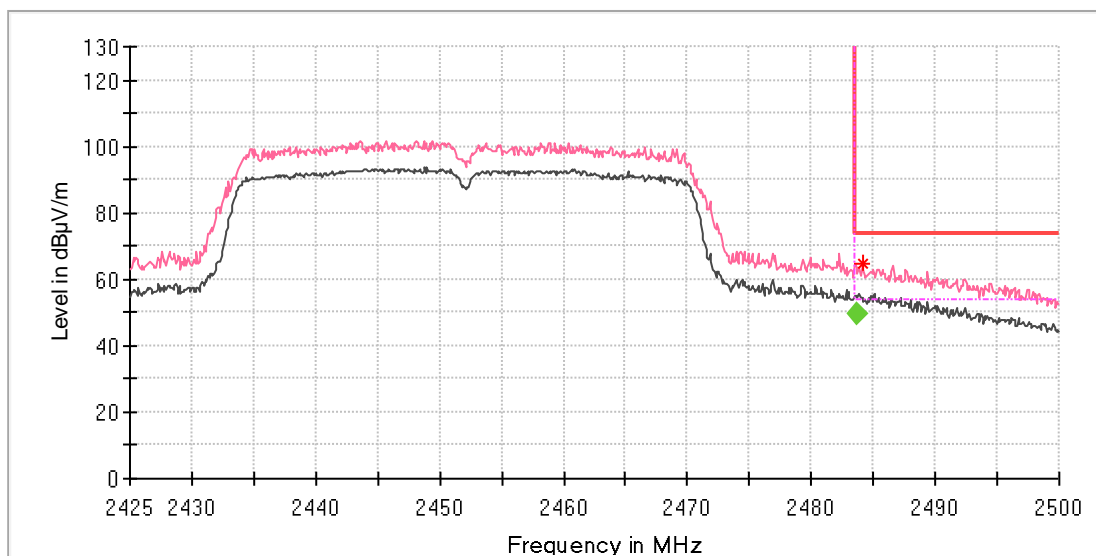
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.900000	67.00	—	74.00	7.00	100.0	H	90.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.732400	49.74	54.00	4.26	100.0	H	290.0	7.4

EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	Q400RR
Test Mode:	WiFi 2.4G_11n40_Ch9
Order No/Sample No:	168361506/A003218991-001
Test Voltage:	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.100000	64.89	—	74.00	9.11	100.0	V	113.0	7.4

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.751150	49.63	54.00	4.37	105.0	V	111.0	7.4

