

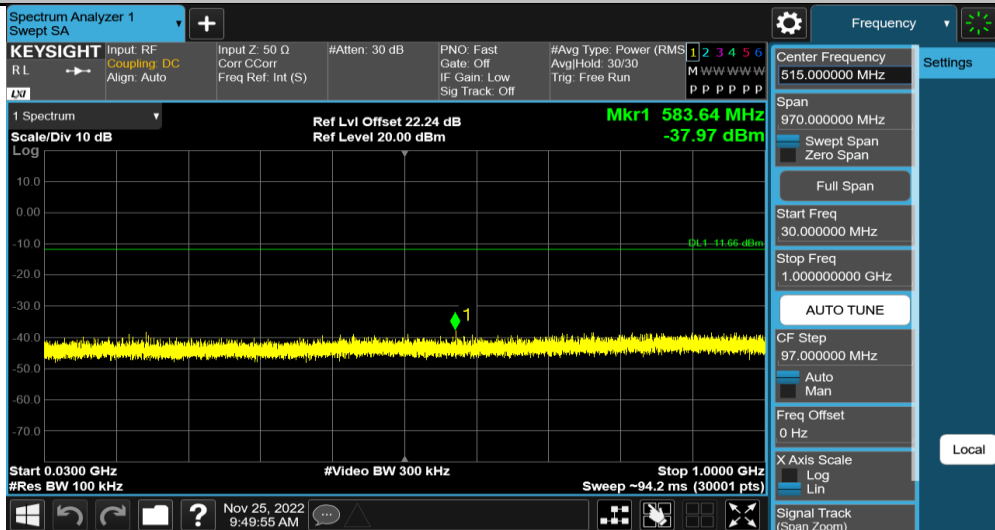
**Conducted Spurious Emission**

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.34	8.34	---	PASS
			30~1000	8.34	-37.97	≤-11.66	PASS
			1000~26500	8.34	-28.45	≤-11.66	PASS
		2437	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-36.33	≤-13.22	PASS
			1000~26500	6.78	-28.31	≤-13.22	PASS
		2462	Reference	7.89	7.89	---	PASS
			30~1000	7.89	-37.82	≤-12.11	PASS
			1000~26500	7.89	-28.72	≤-12.11	PASS
11G	Ant1	2412	Reference	-0.97	-0.97	---	PASS
			30~1000	-0.97	-37.8	≤-20.97	PASS
			1000~26500	-0.97	-28.44	≤-20.97	PASS
		2437	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-37.7	≤-21.3	PASS
			1000~26500	-1.30	-29.05	≤-21.3	PASS
		2462	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-37.66	≤-21.35	PASS
			1000~26500	-1.35	-28.71	≤-21.35	PASS
11N20SISO	Ant1	2412	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-37.59	≤-22.18	PASS
			1000~26500	-2.18	-28.6	≤-22.18	PASS
		2437	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-37.95	≤-18.99	PASS
			1000~26500	1.01	-28.67	≤-18.99	PASS
		2462	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-38.09	≤-17.85	PASS
			1000~26500	2.15	-28.6	≤-17.85	PASS
11N40SISO	Ant1	2422	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-37.49	≤-21.22	PASS
			1000~26500	-1.22	-28.91	≤-21.22	PASS
		2437	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-37.73	≤-22.74	PASS
			1000~26500	-2.74	-28.76	≤-22.74	PASS
		2452	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-38.18	≤-21.99	PASS
			1000~26500	-1.99	-29.09	≤-21.99	PASS

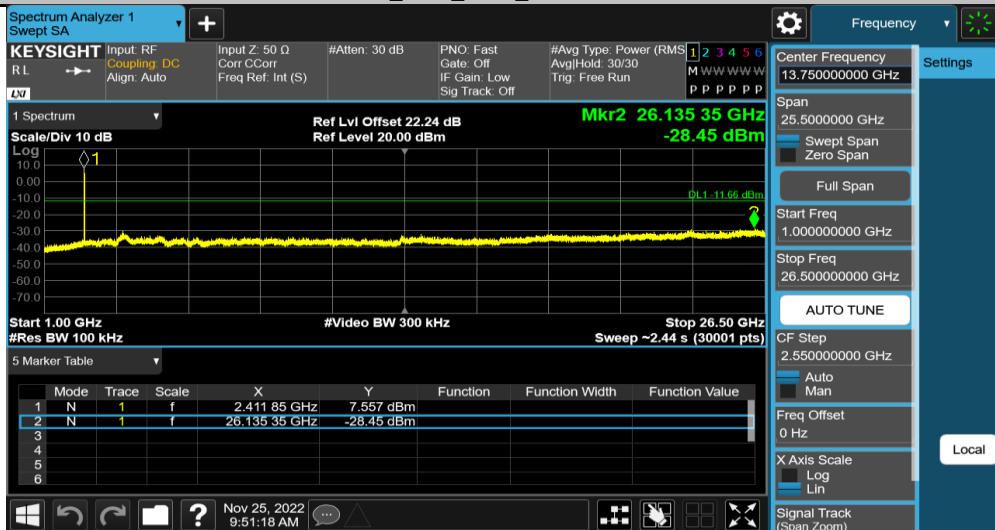
11B\_Ant1\_2412\_0-Reference



11B\_Ant1\_2412\_30-1000



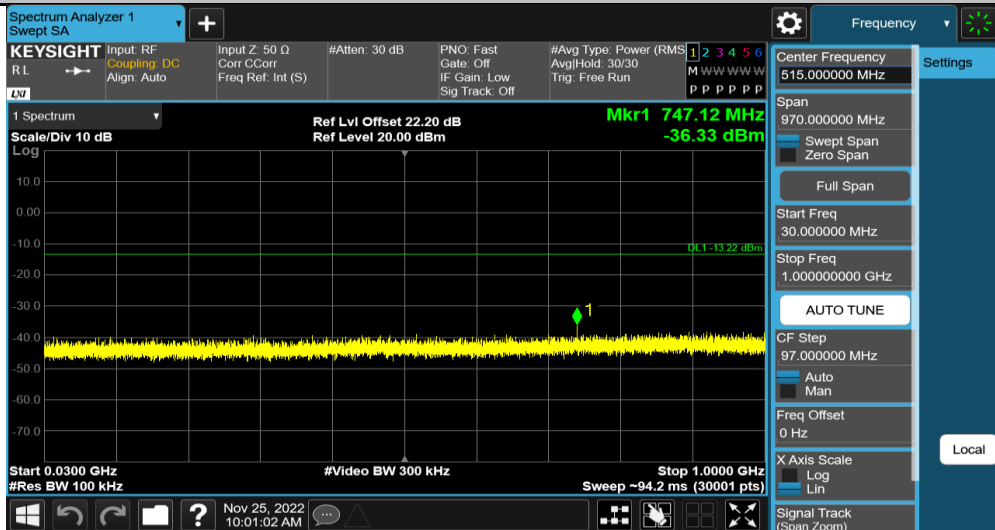
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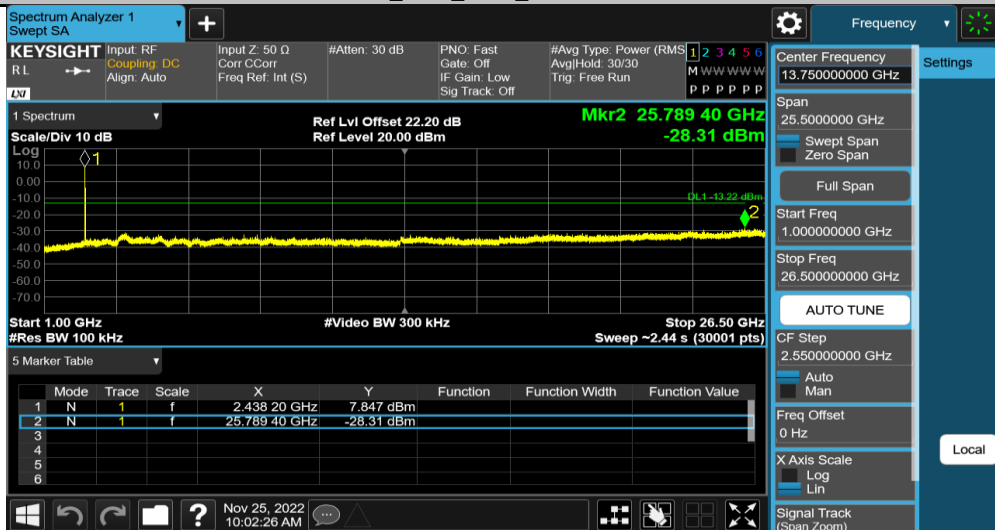
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11B\_Ant1\_2437\_30-1000



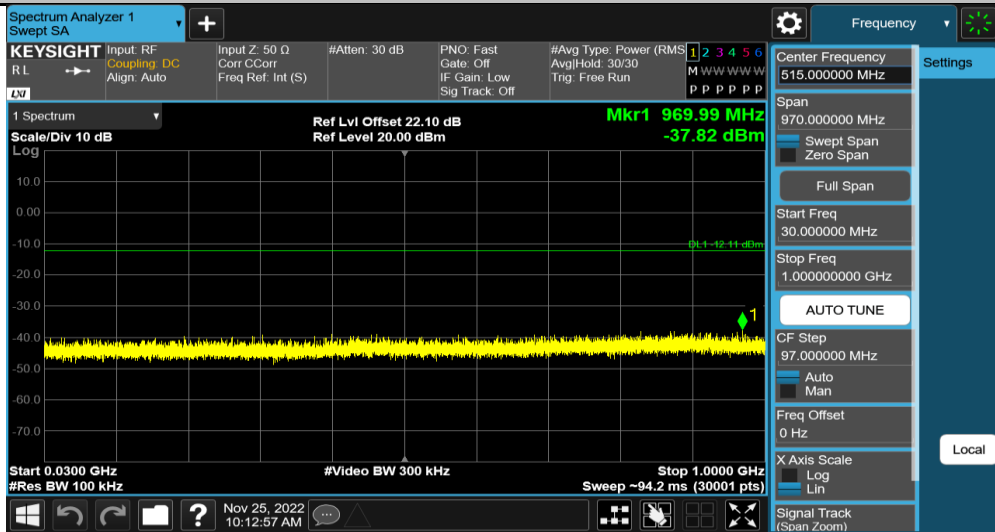
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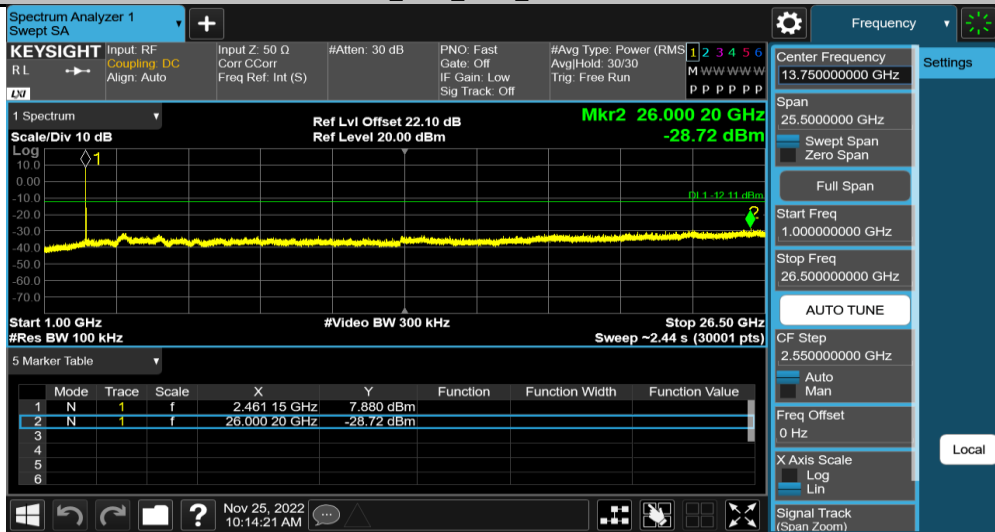
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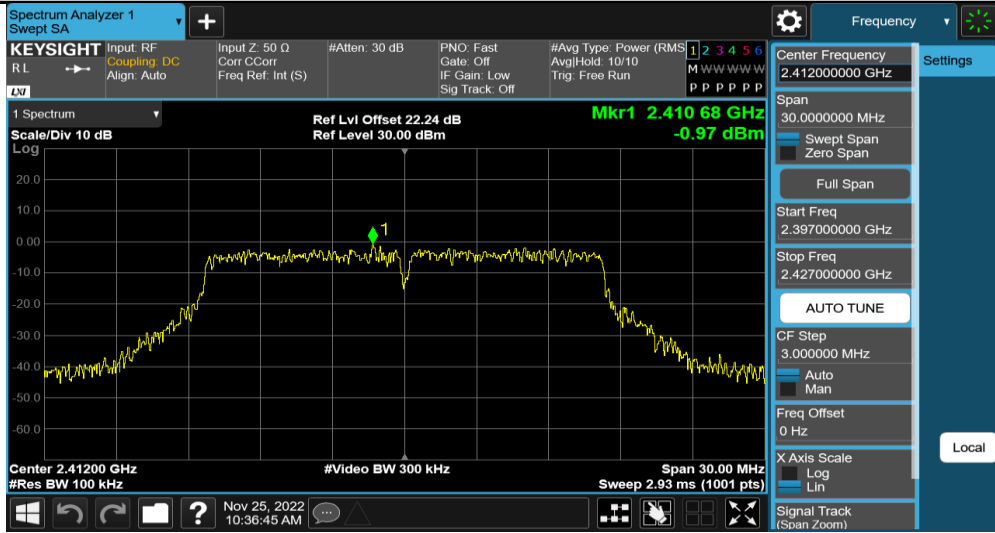
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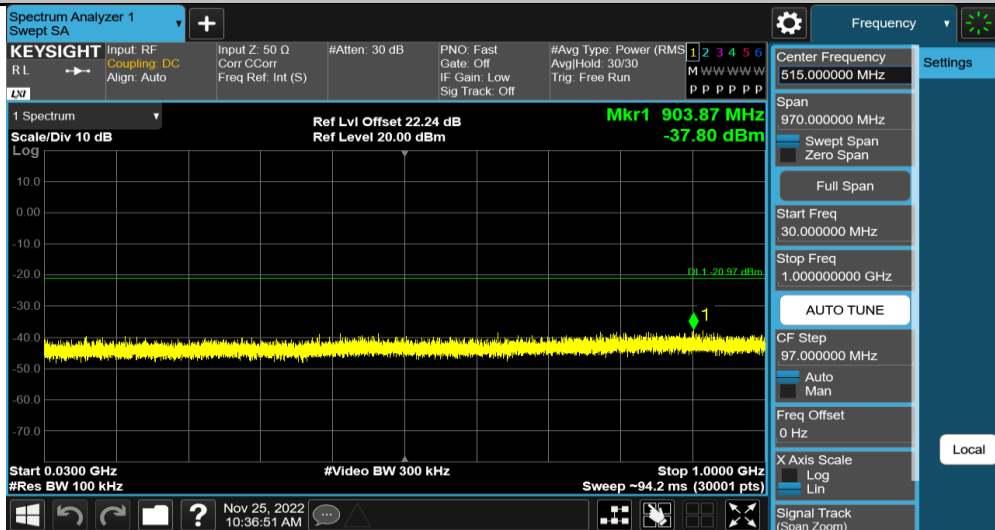
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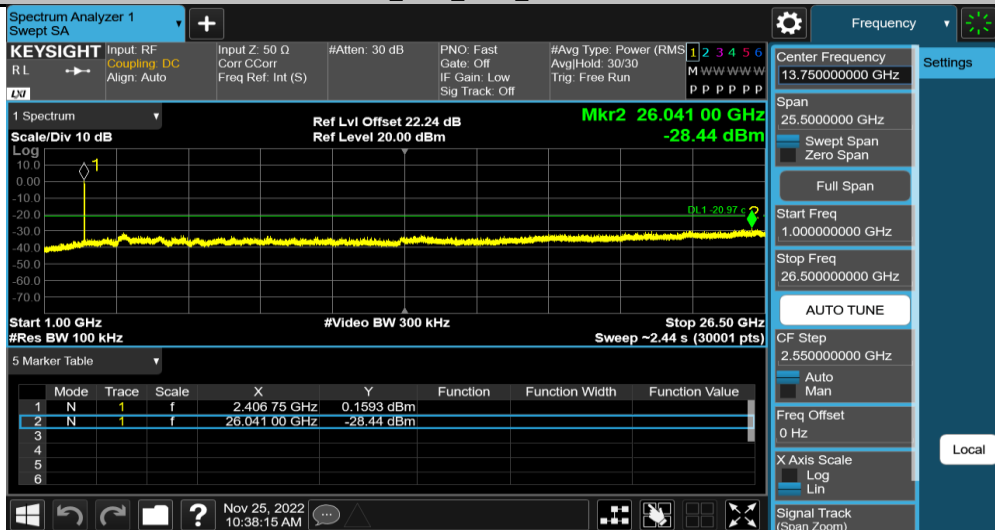
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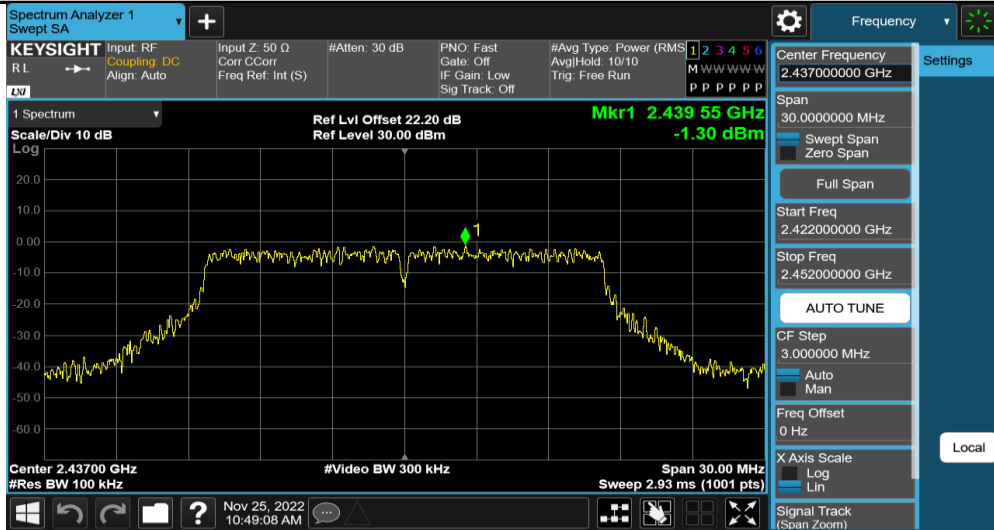
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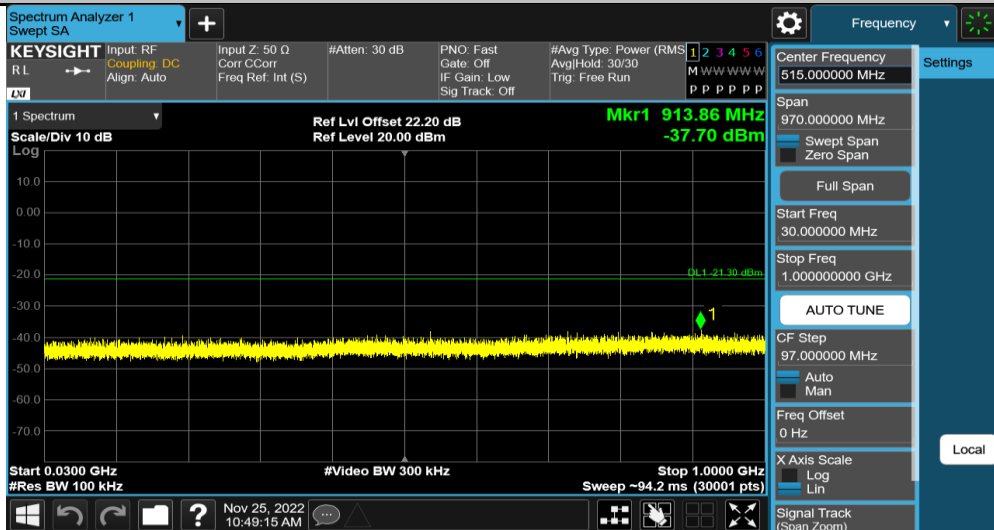
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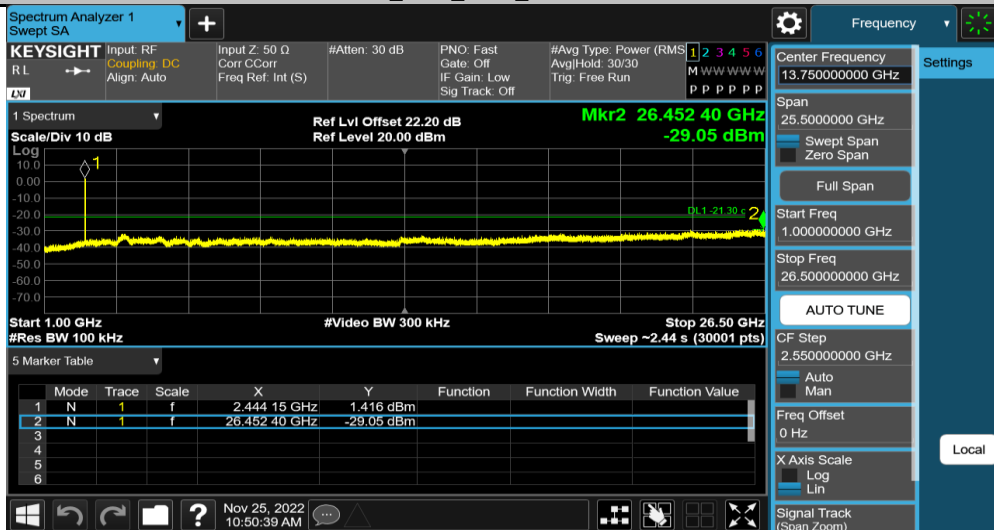
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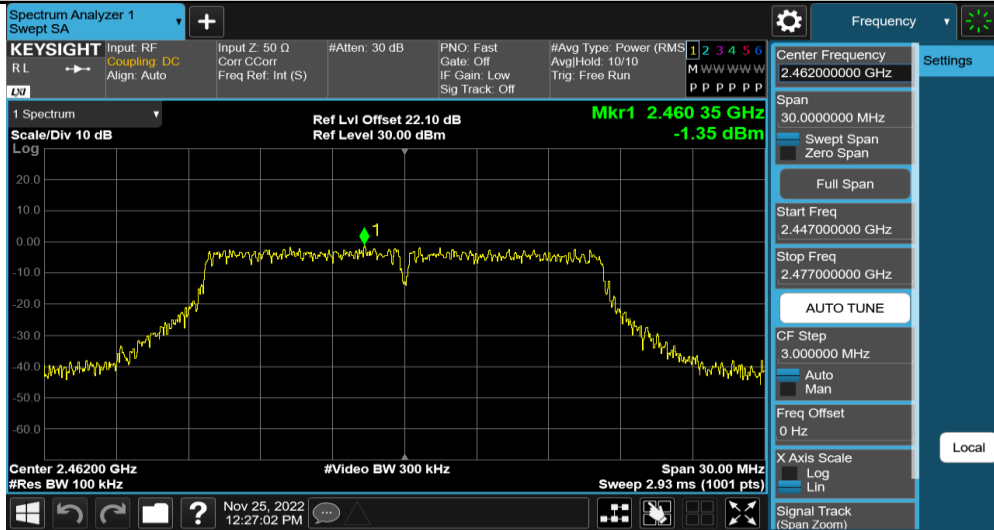
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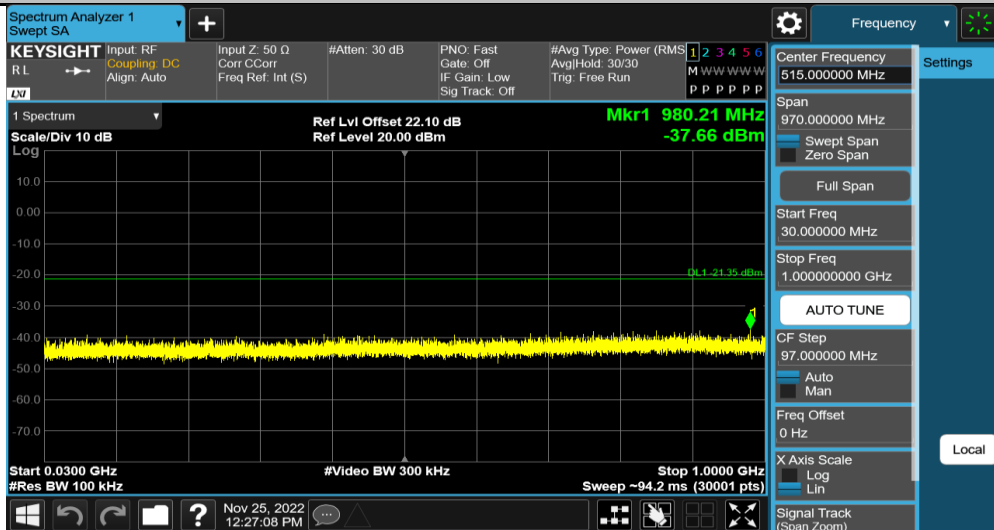
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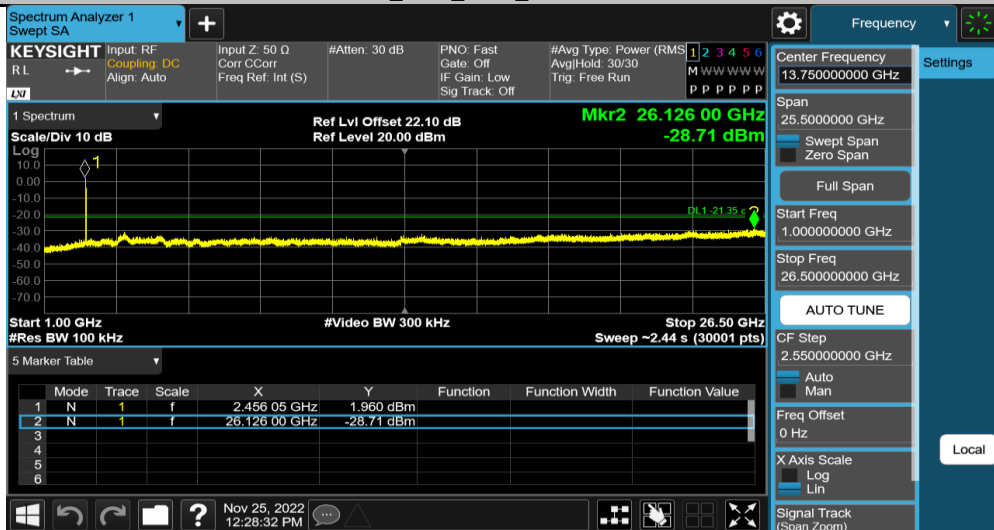
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11G\_Ant1\_2462\_30-1000

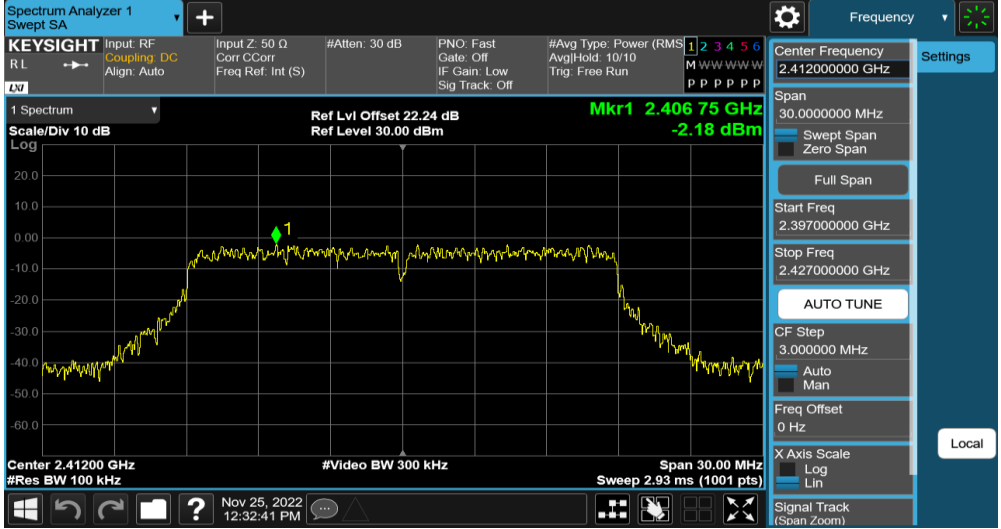


11G\_Ant1\_2462\_1000-26500

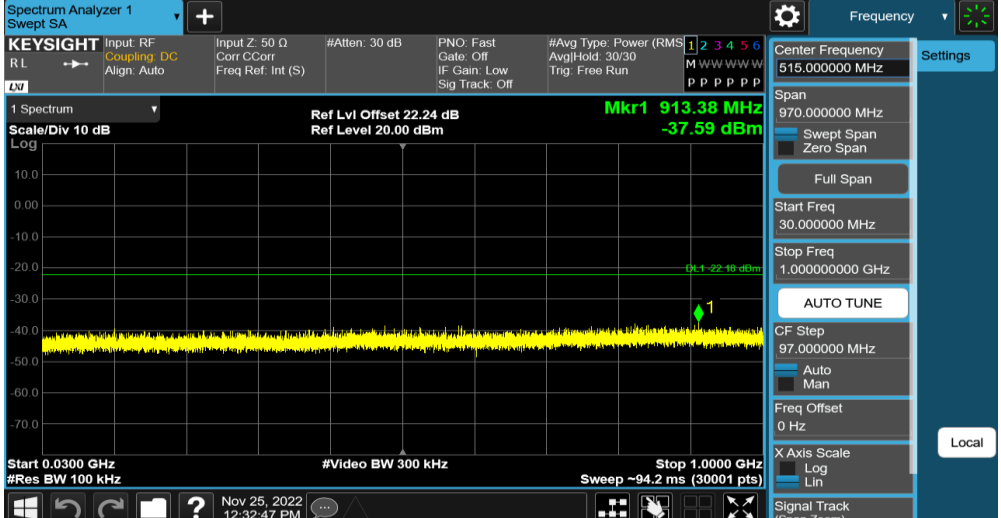




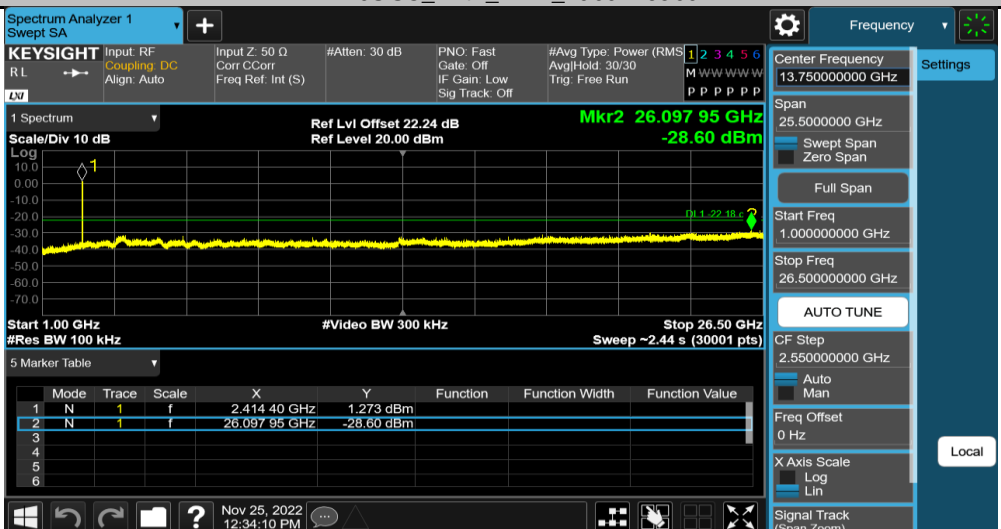
11N20SISO\_Ant1\_2412\_0~Reference



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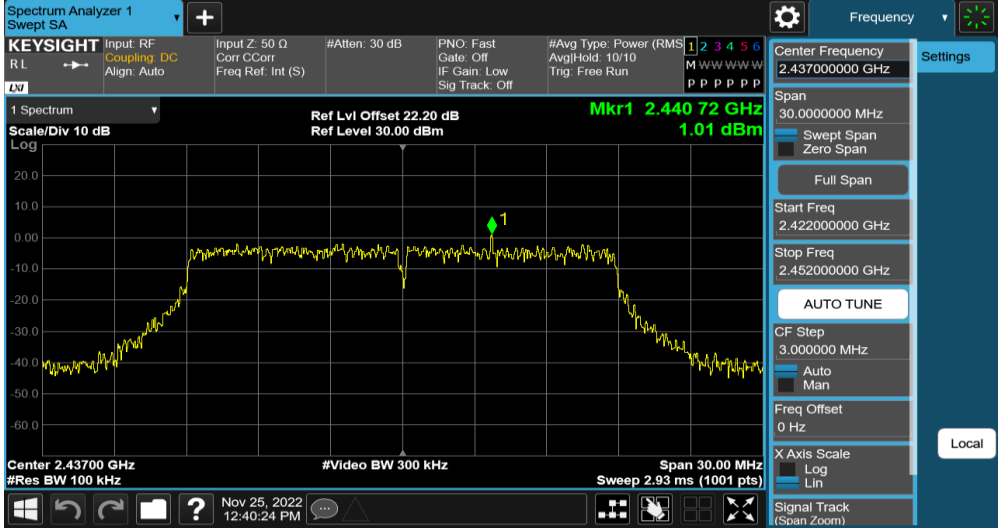


11N20SISO\_Ant1\_2412\_1000~26500

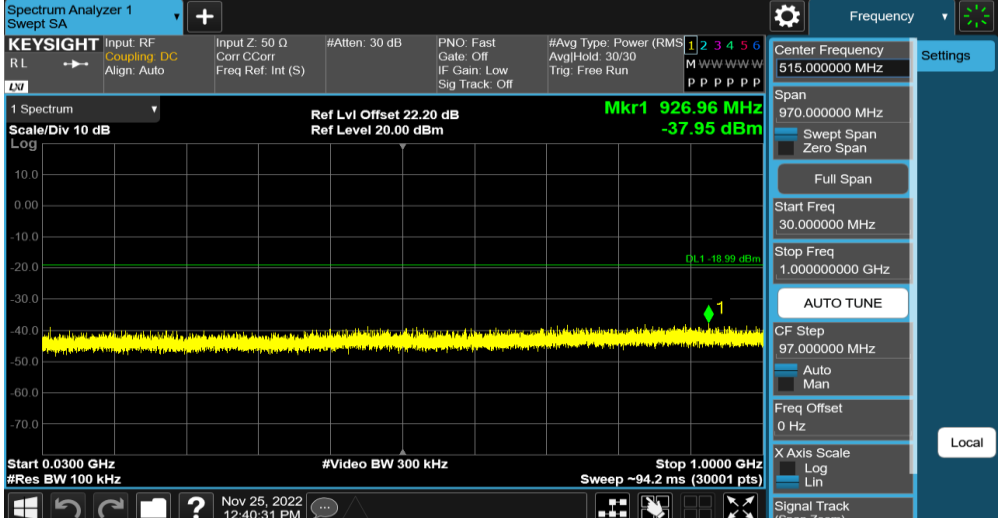




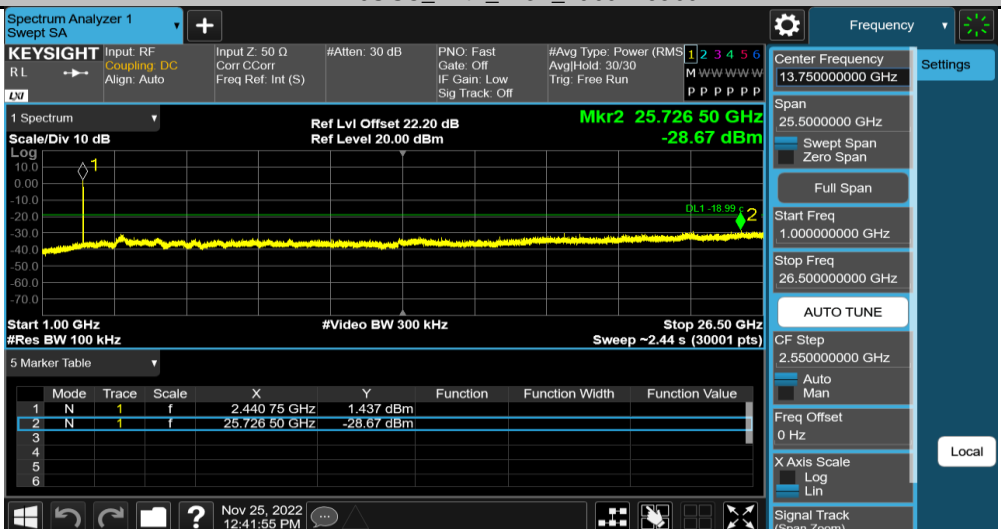
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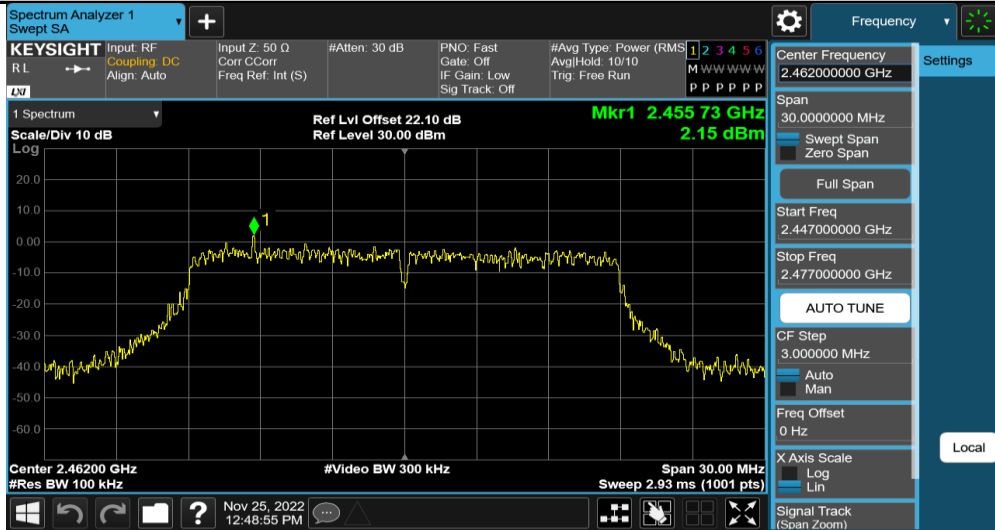
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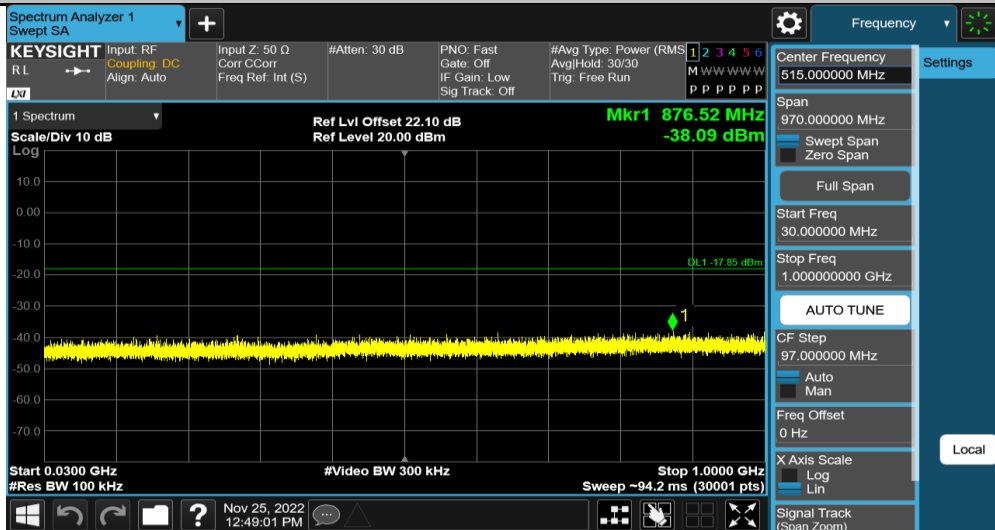
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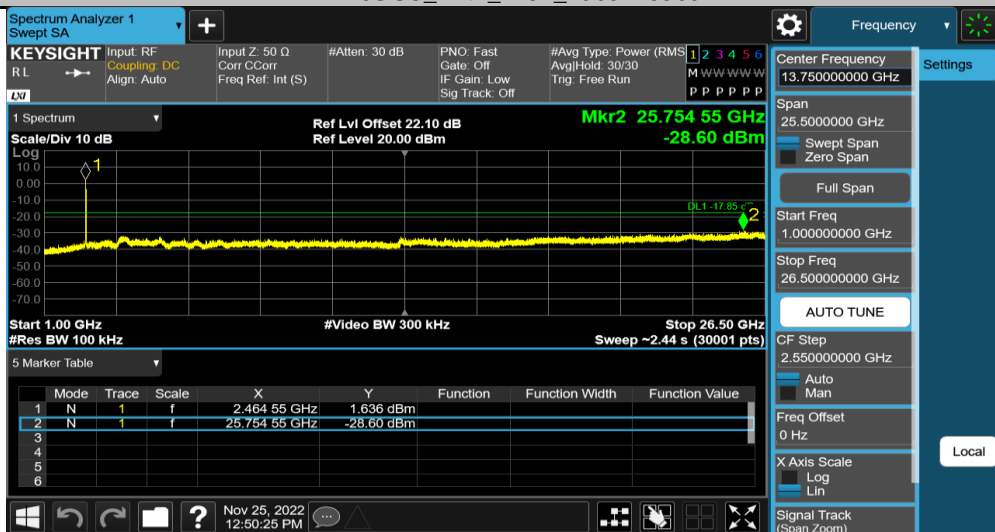
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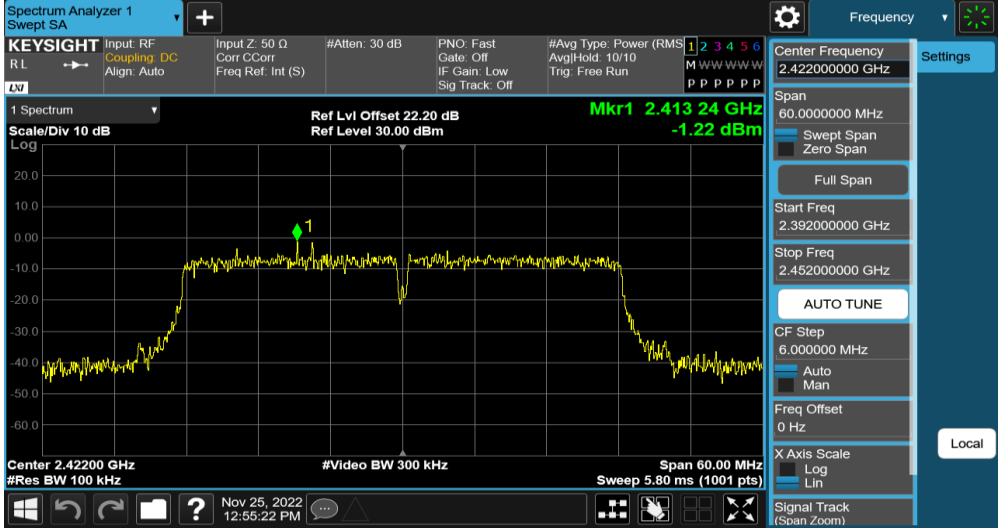
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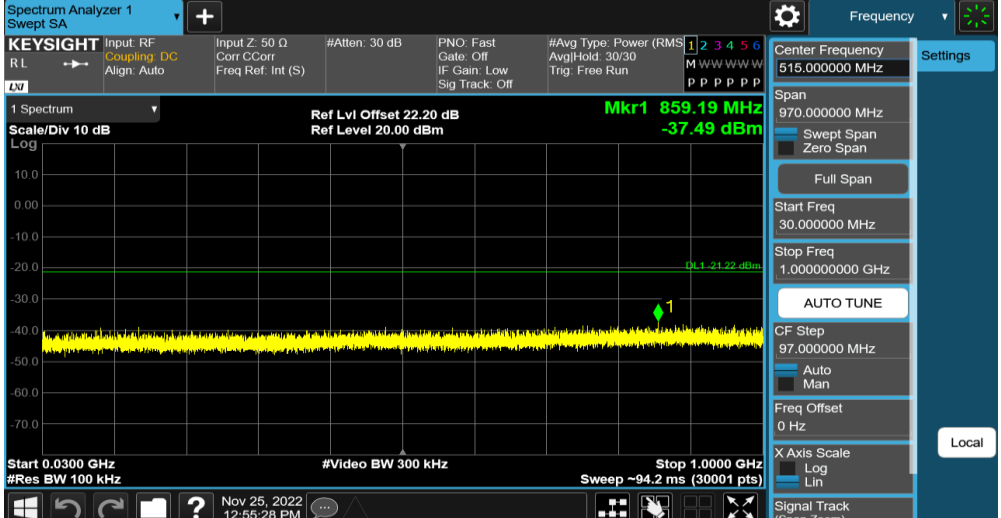
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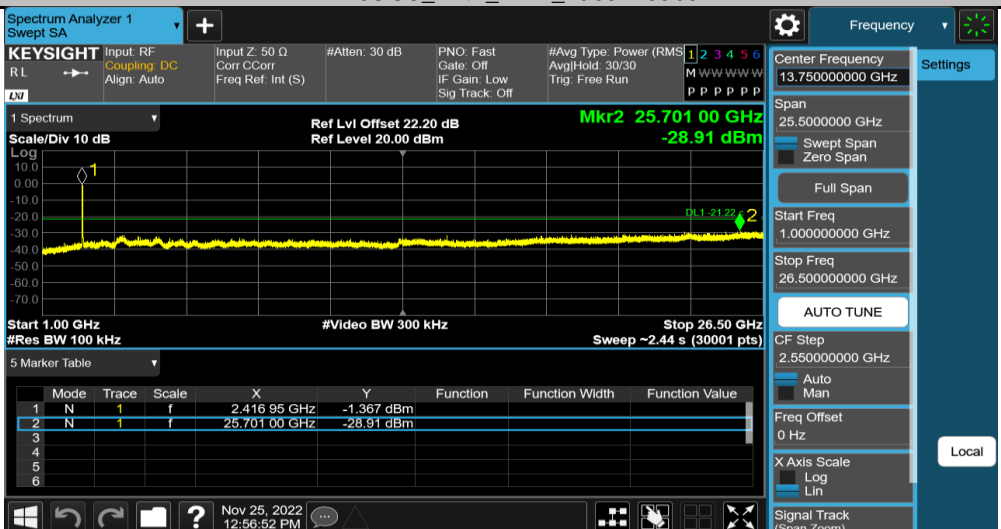
11N40SISO\_Ant1\_2422\_0~Reference



11N40SISO\_Ant1\_2422\_30~1000



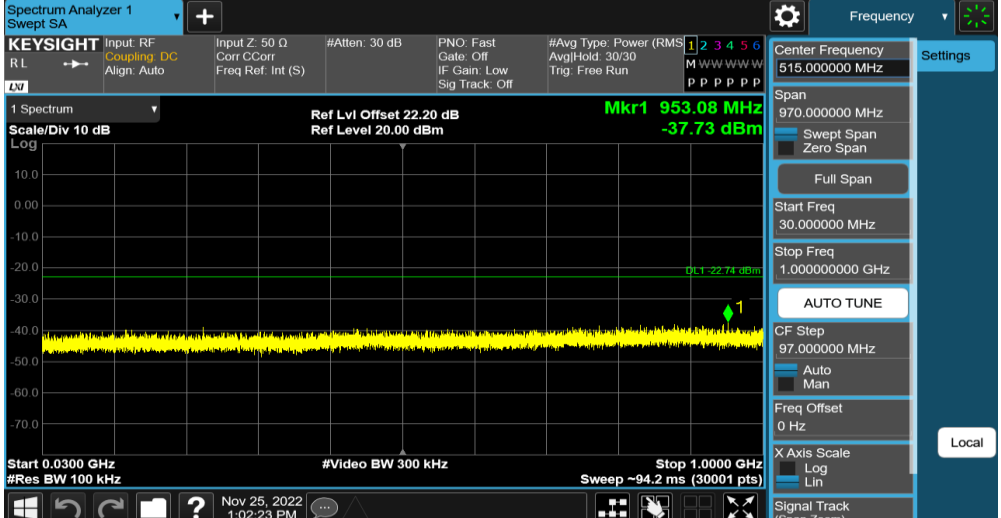
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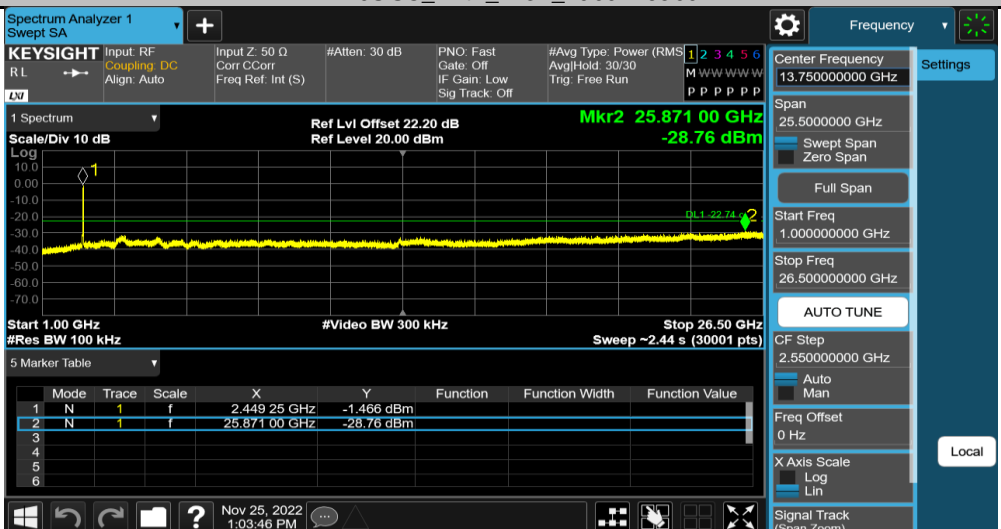
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11N40SISO\_Ant1\_2437\_30~1000



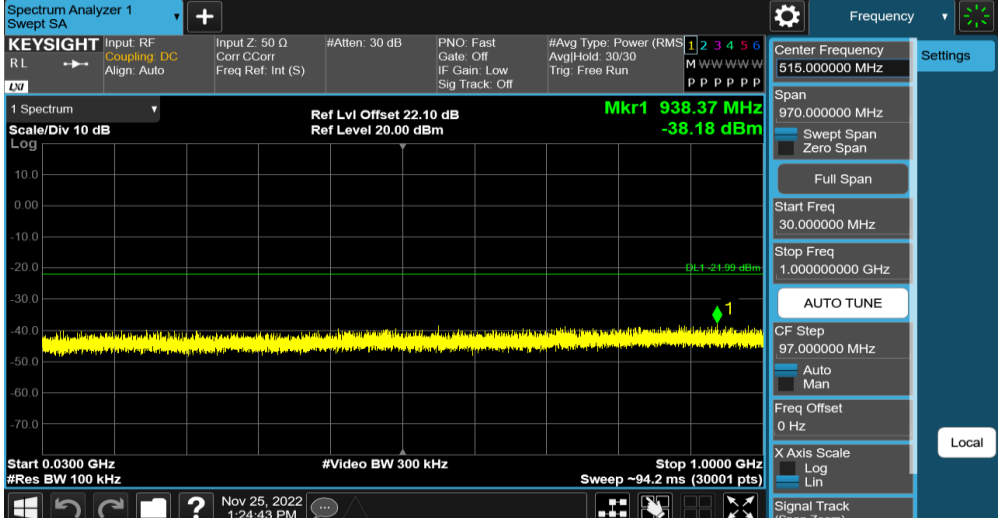
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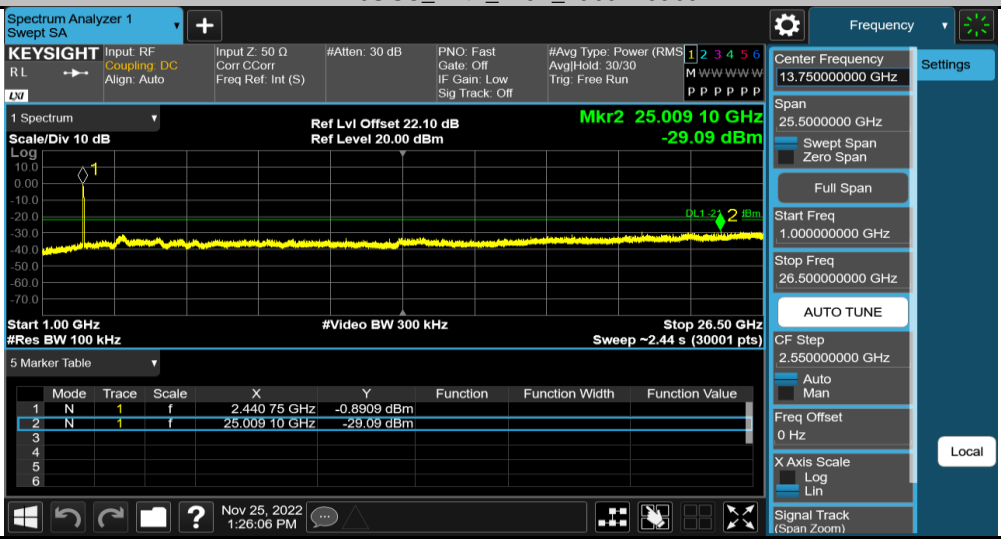
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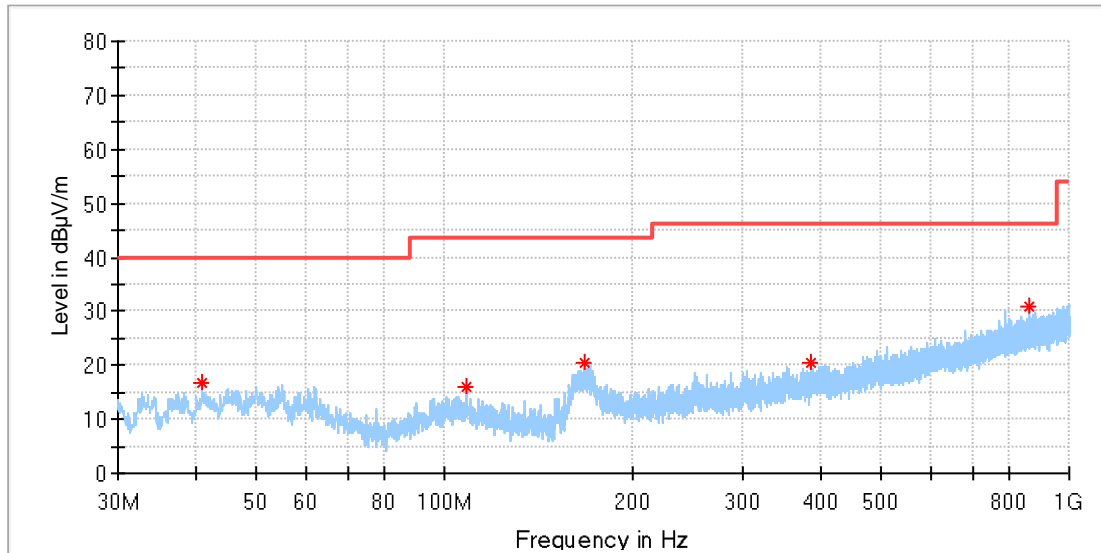
### Appendix B.5: Test Results of Radiated Spurious Emissions

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

#### 30MHz - 1GHz (Worst case)

#### EUT Information

EUT Name:	Robotic Vacuum Cleaner
Model:	S81USP
Test Mode:	WIFI 2.4G_11b_Ch6
Order No/Sample No:	168397766/A003376067-003
Test Voltage:	Battery
Remark:	Temp 23 Humi:58%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



#### Critical\_Freqs

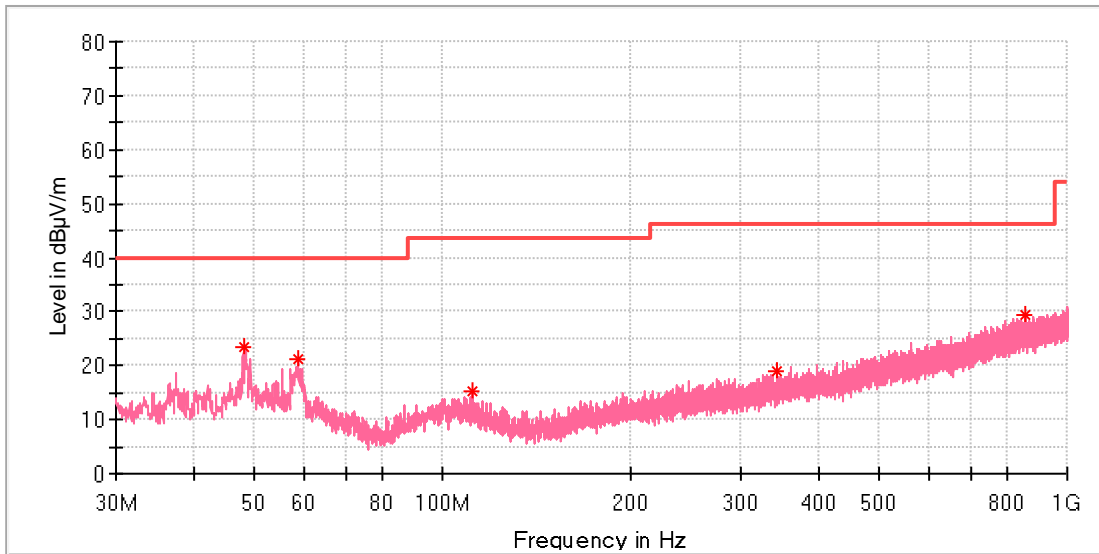
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.912500	16.61	40.00	23.39	100.0	H	207.0	-19.9
108.570000	16.03	43.50	27.47	100.0	H	229.0	-19.0
167.594500	20.29	43.50	23.21	100.0	H	236.0	-21.3
387.154000	20.43	46.00	25.57	100.0	H	2.0	-14.0
862.696500	30.75	46.00	15.25	100.0	H	0.0	-5.3

#### 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: S81USP  
 Test Mode: WIFI 2.4G\_11b\_Ch6  
 Order No/Sample No: 168397766/A003376067-003  
 Test Voltage: Battery  
 Remark: Temp 23 Humi:58%  
 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)
48.284500	23.59	40.00	16.41	100.0	V	17.0	-18.4
58.566500	21.11	40.00	18.89	100.0	V	346.0	-18.8
111.528500	15.19	43.50	28.31	100.0	V	311.0	-19.3
342.825000	19.04	46.00	26.96	100.0	V	185.0	-14.9
858.525500	29.31	46.00	16.69	100.0	V	17.0	-5.4

### Final Result

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









