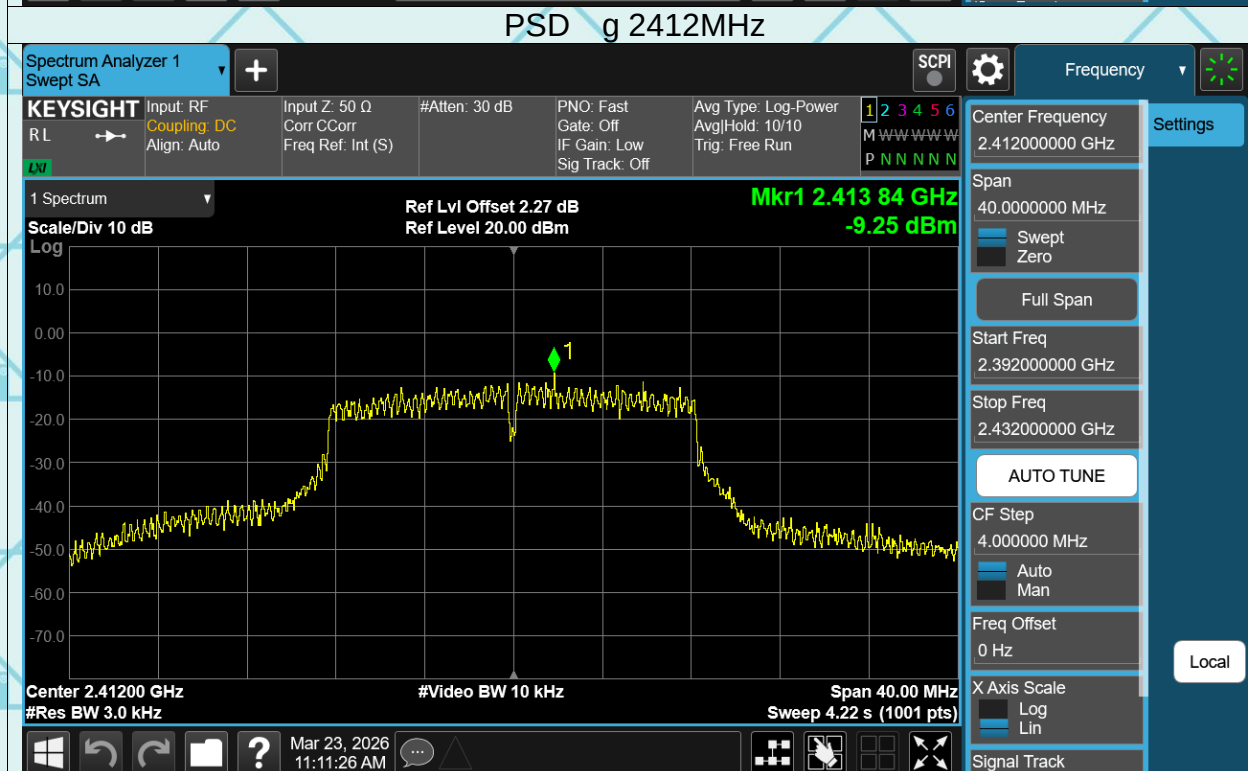
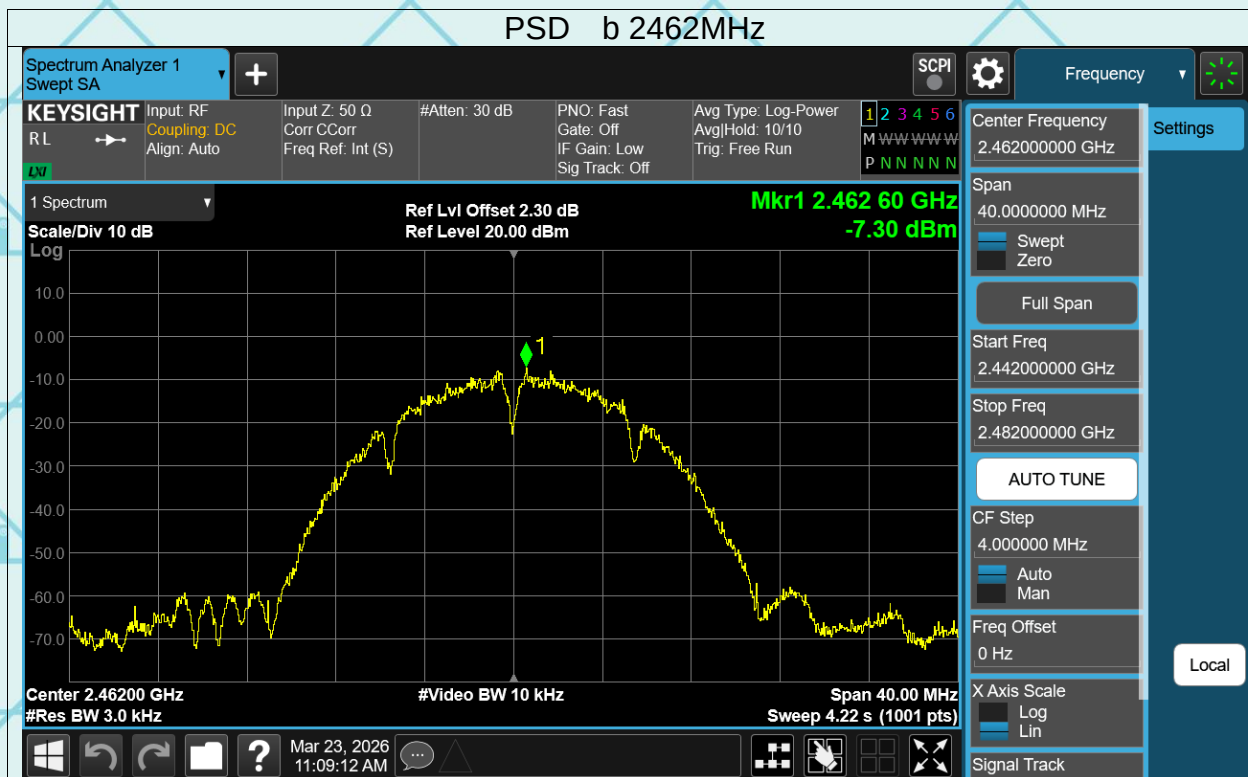
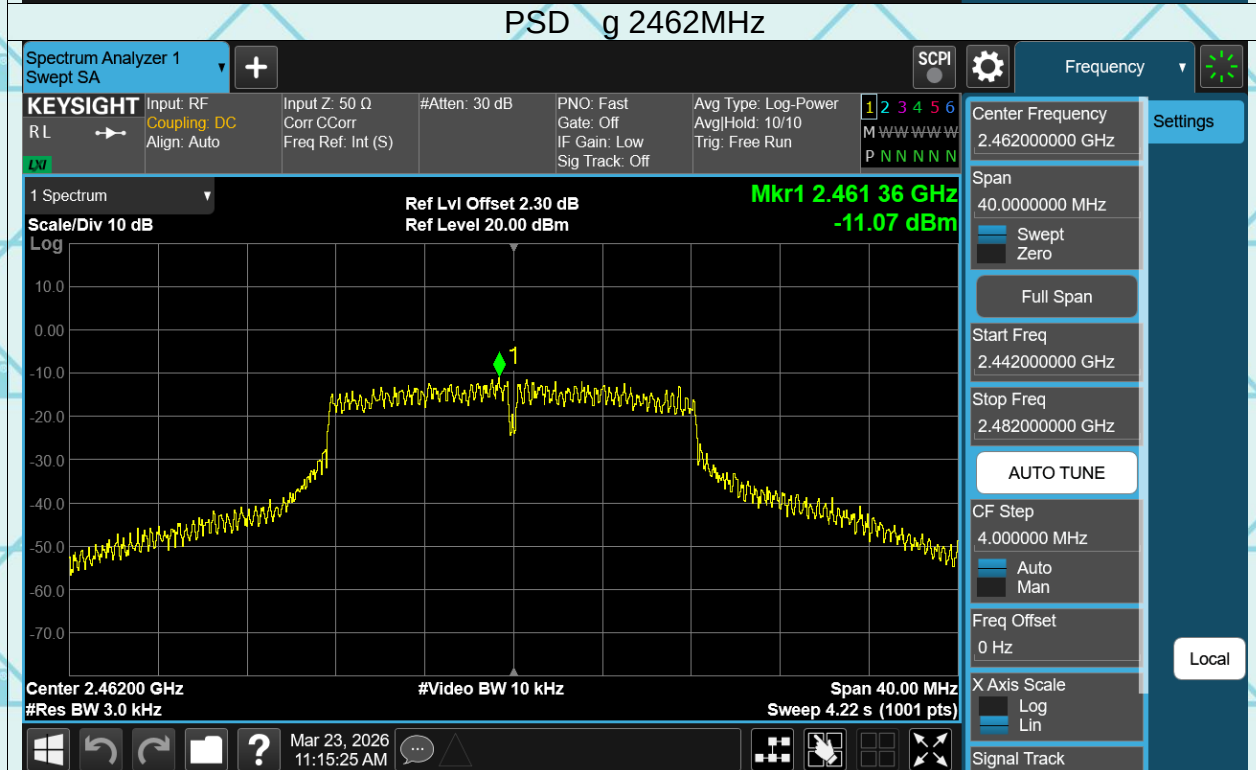
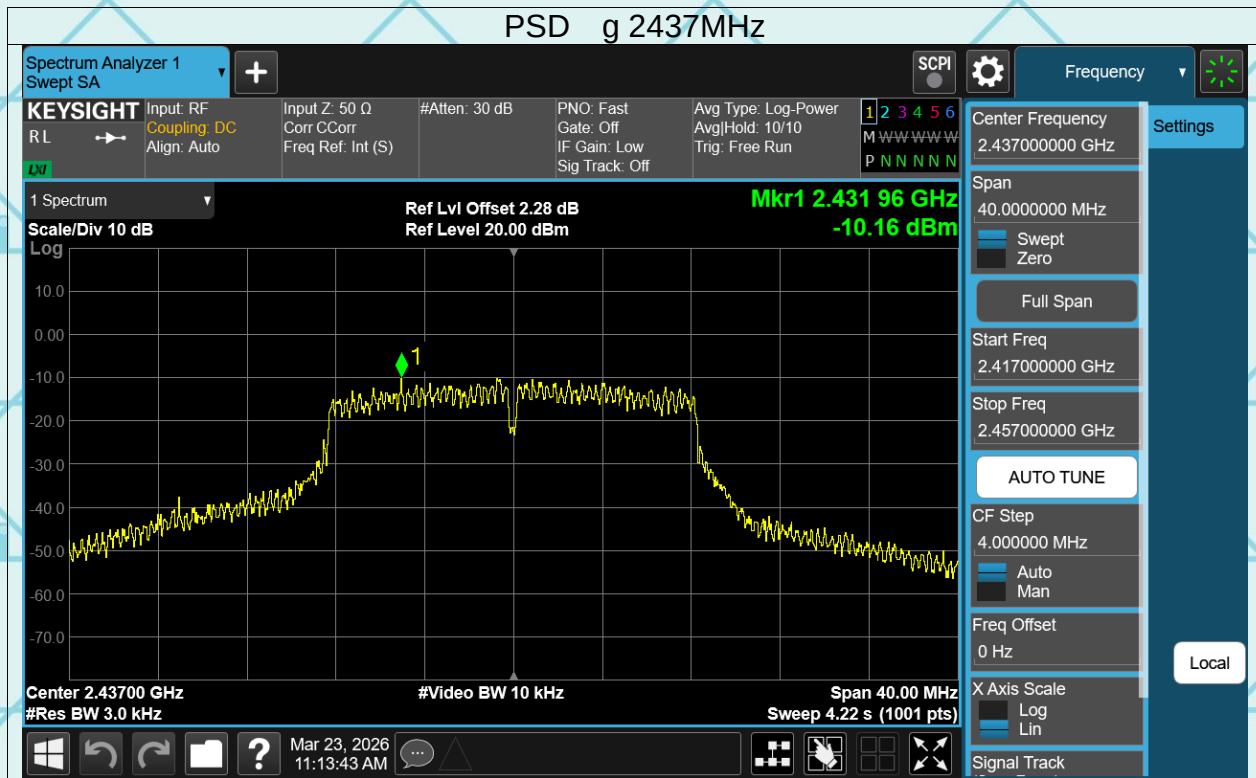
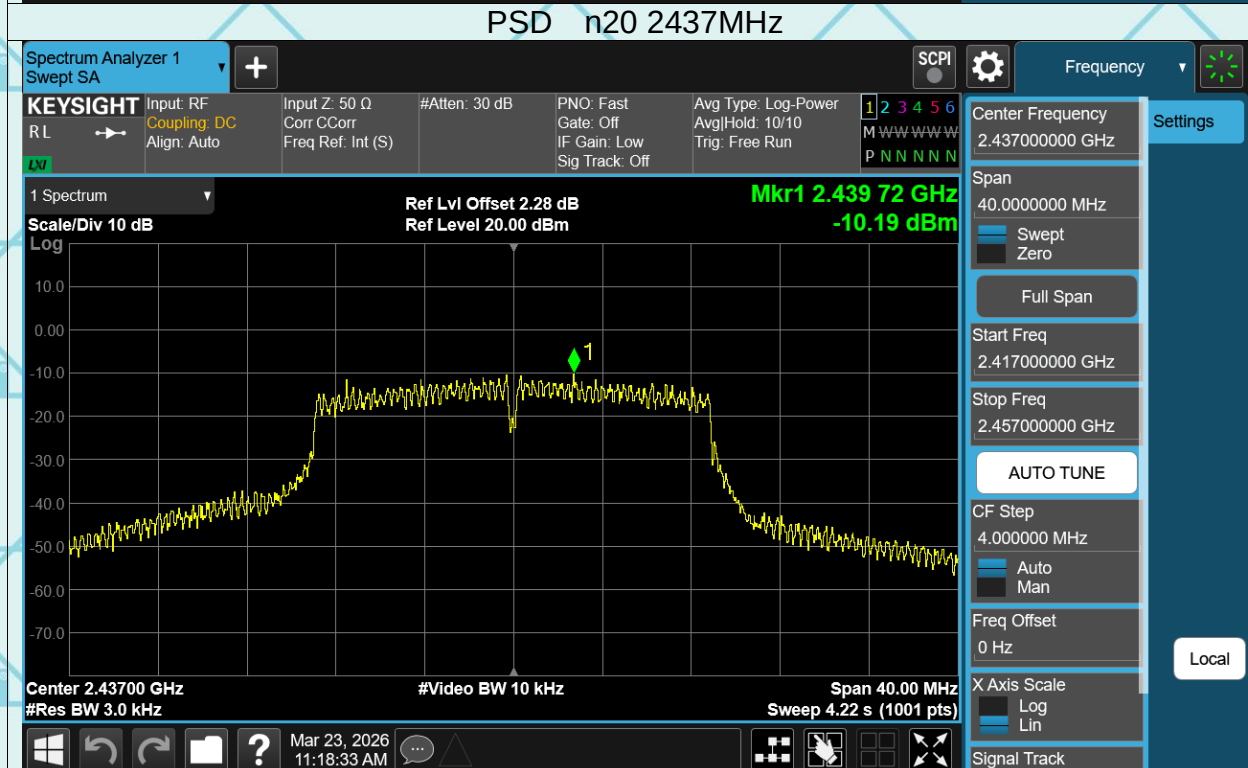
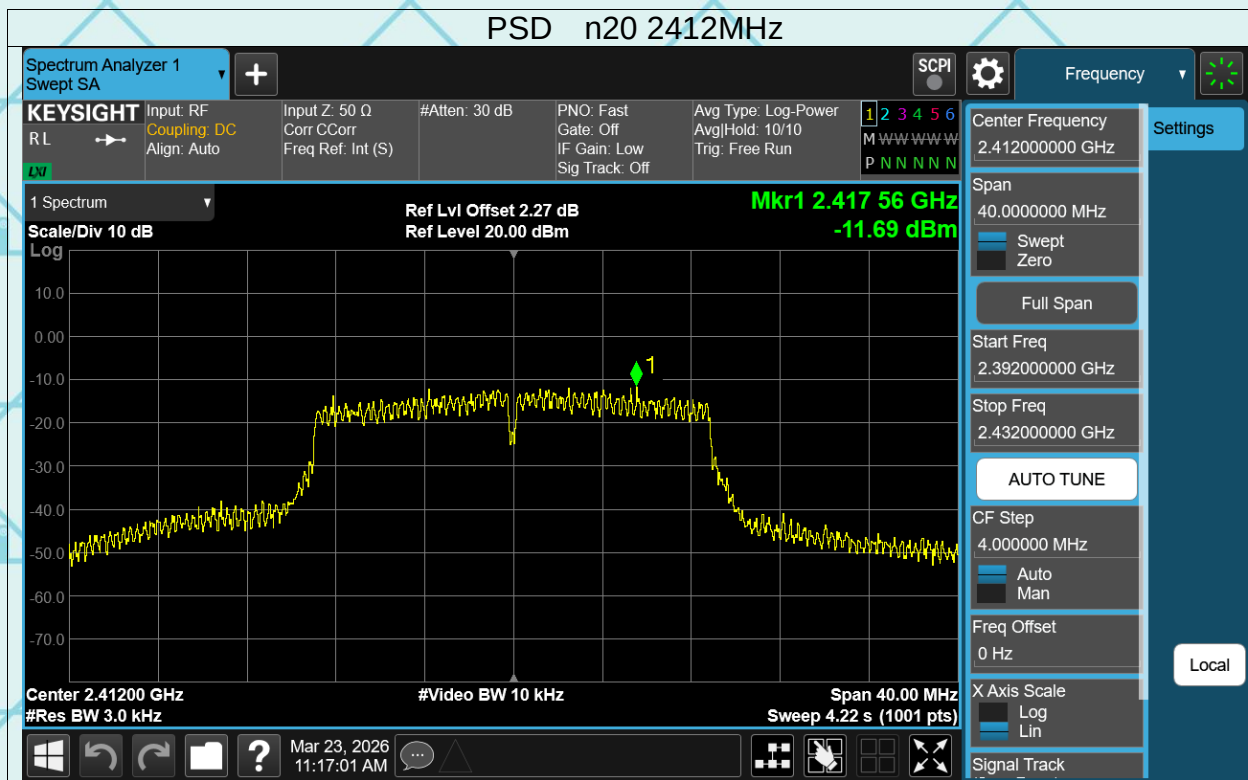
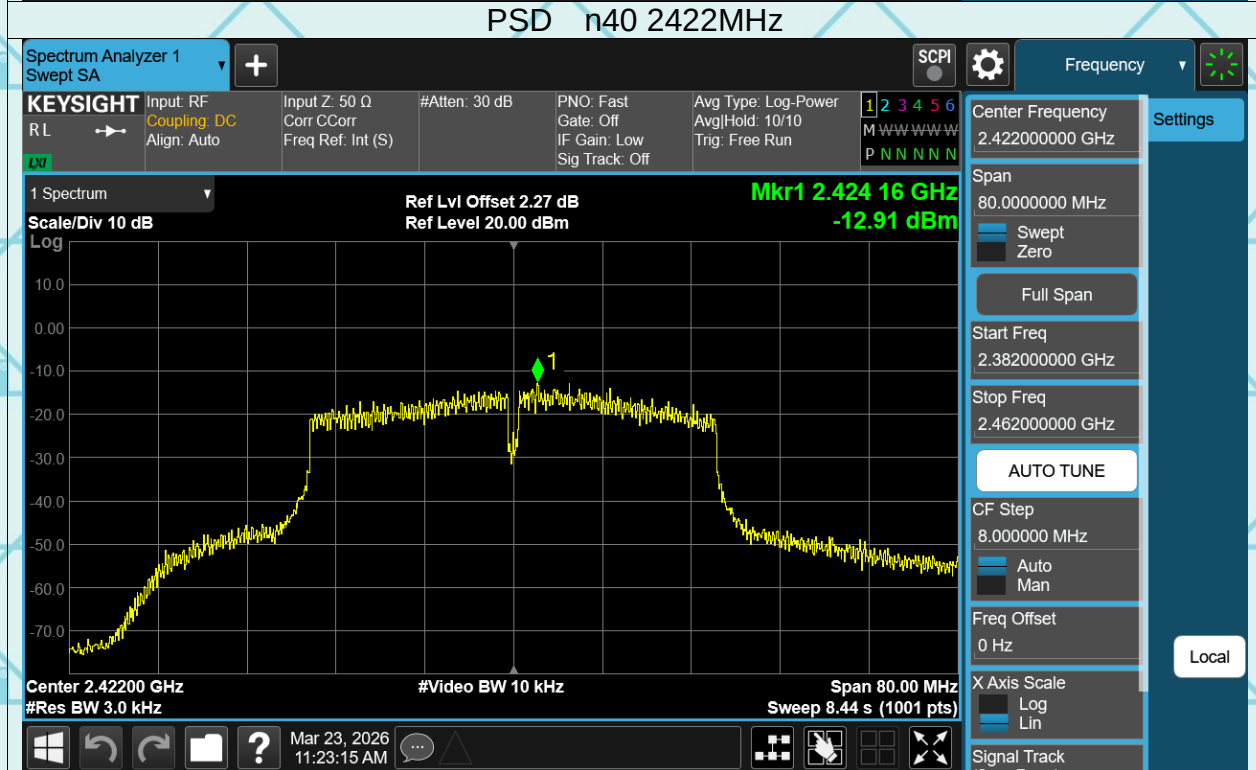
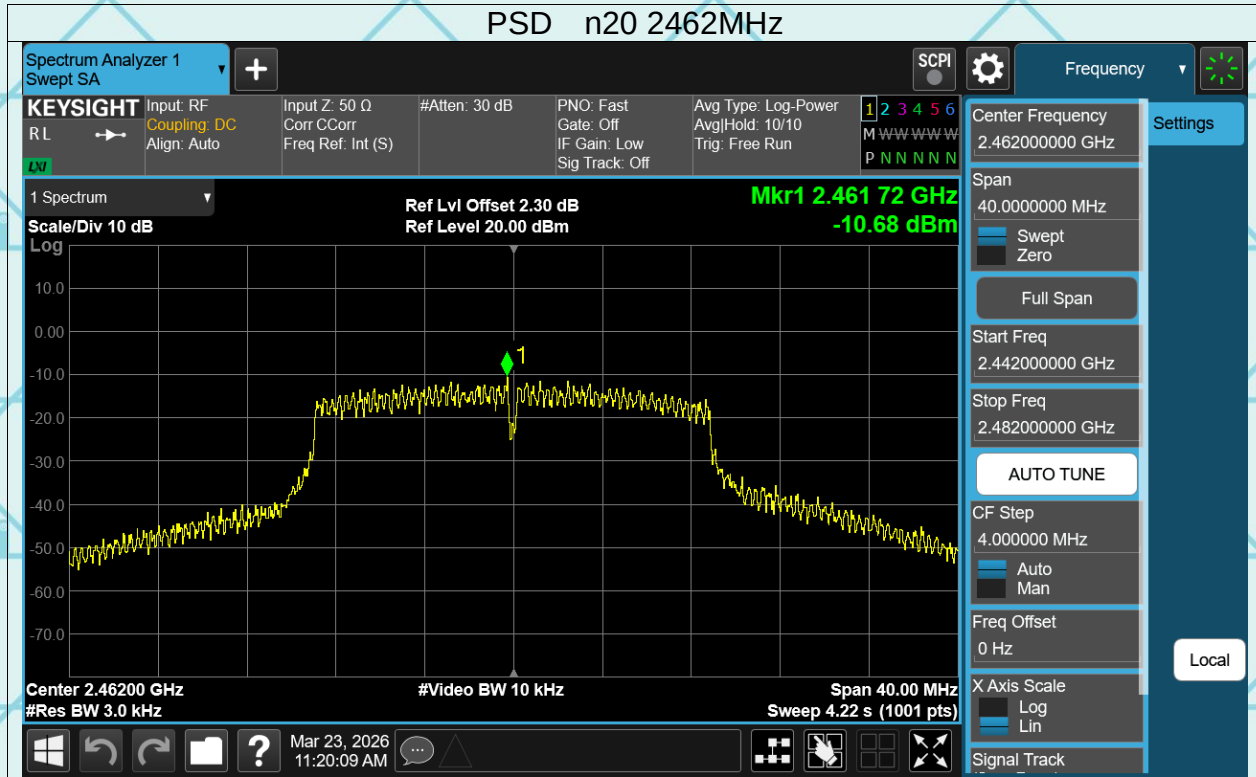


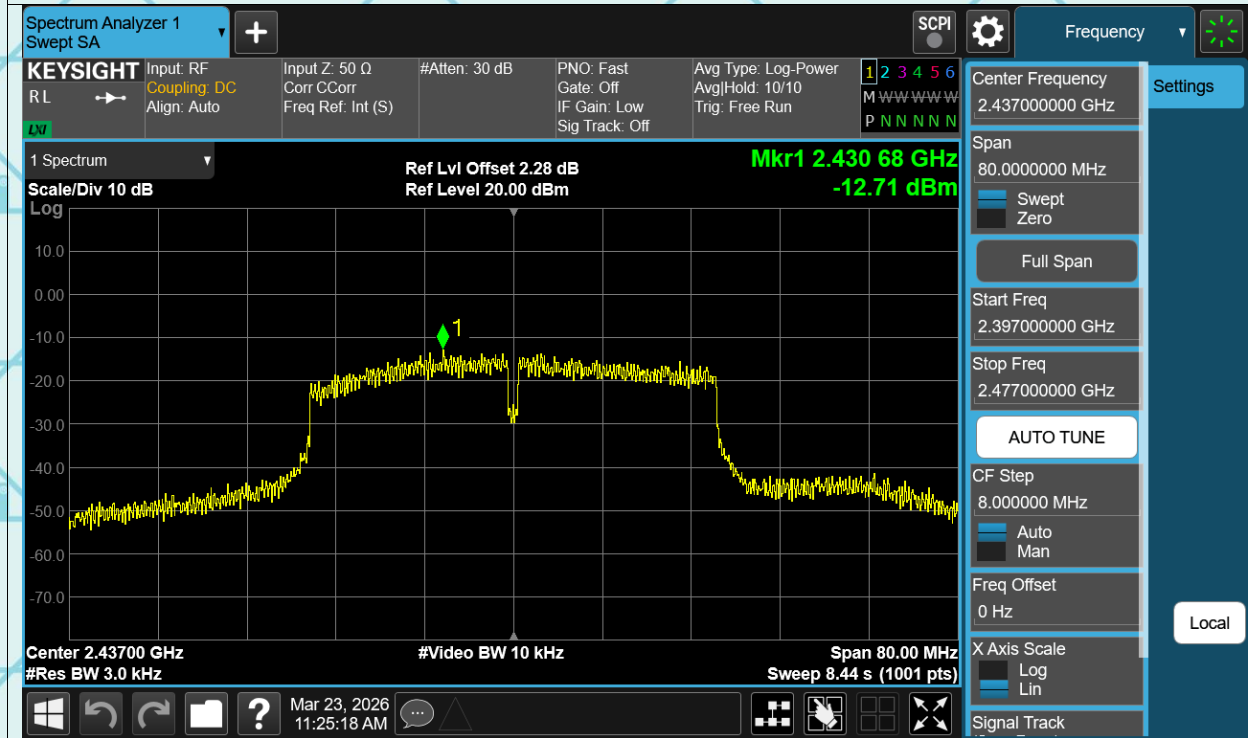




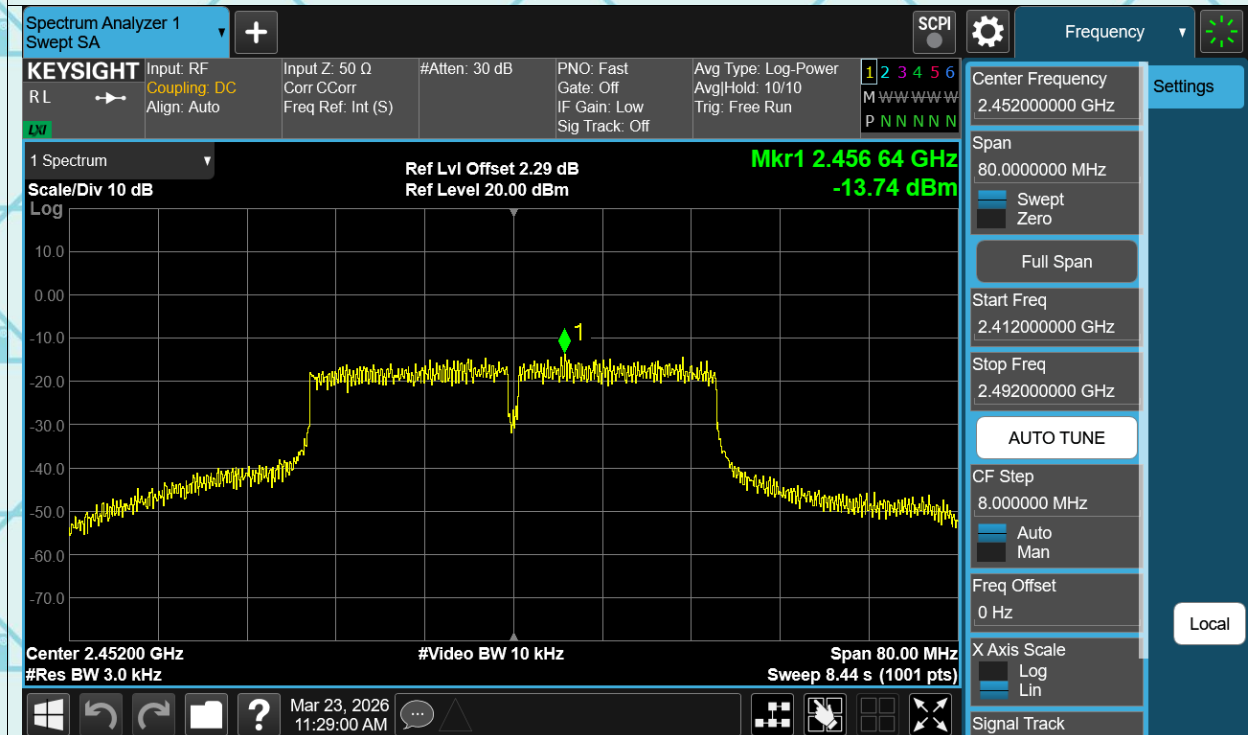




PSD n40 2437MHz

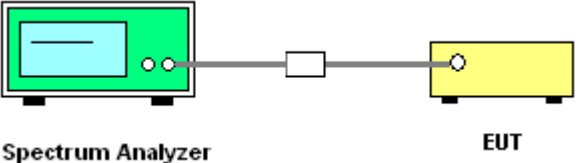


PSD n40 2452MHz



6.6. Conducted Band Edge and Spurious Emission Measurement

6.6.1 Test Specification

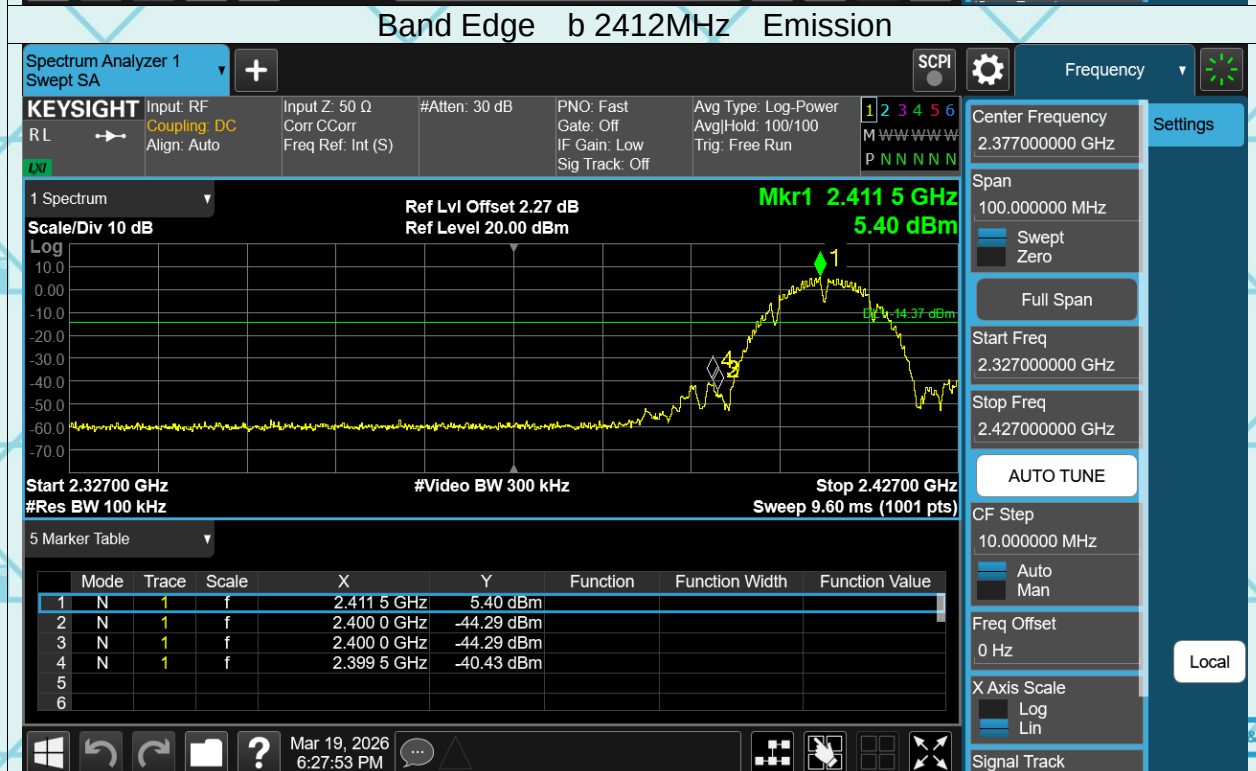
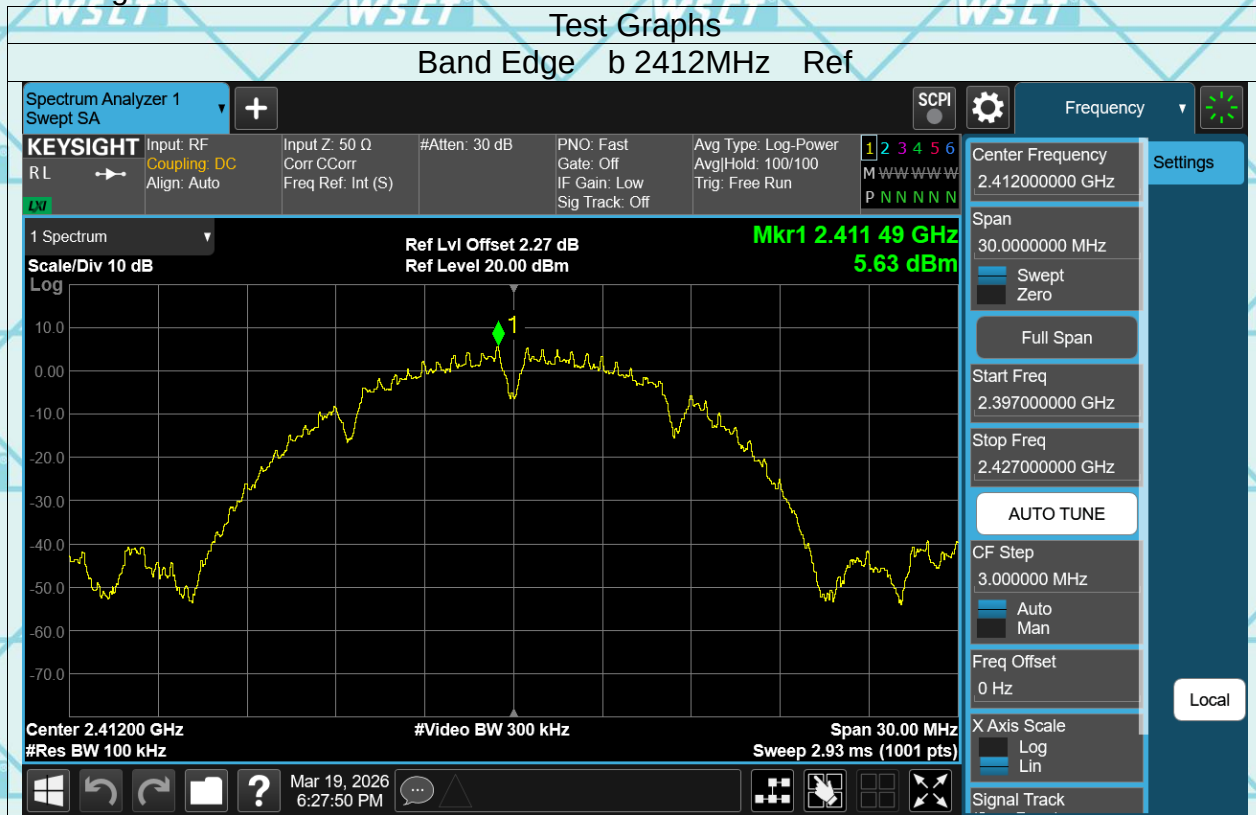
Test Requirement:	FCC Part15 C Section 15.247 (d)
Test Method:	KDB558074
Limit:	In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).
Test Setup:	 The diagram illustrates the test setup. On the left is a green box labeled 'Spectrum Analyzer'. A cable connects it to a small white box labeled 'Attenuator'. Another cable connects the attenuator to a yellow box labeled 'EUT' (Equipment Under Test).
Test Mode:	Transmitting mode with modulation
Test Procedure:	1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v04. 2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement. 3. Set to the maximum power setting and enable the EUT transmit continuously. 4. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d). 5. Measure and record the results in the test report. 6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
Test Result:	PASS

Report No.: WSCT-ANAB-R&E260200024A-Wi-Fi1

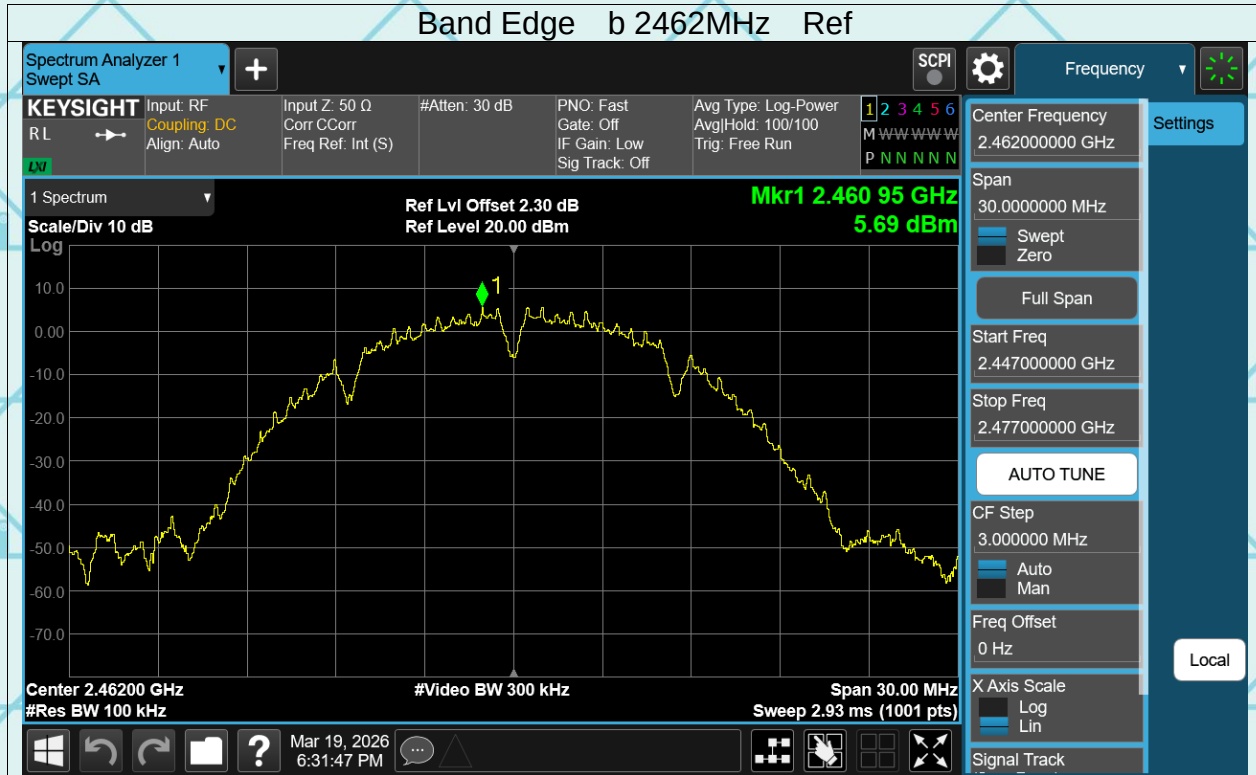
Issued Date: 09 April 2026

Test Data(worst-case)

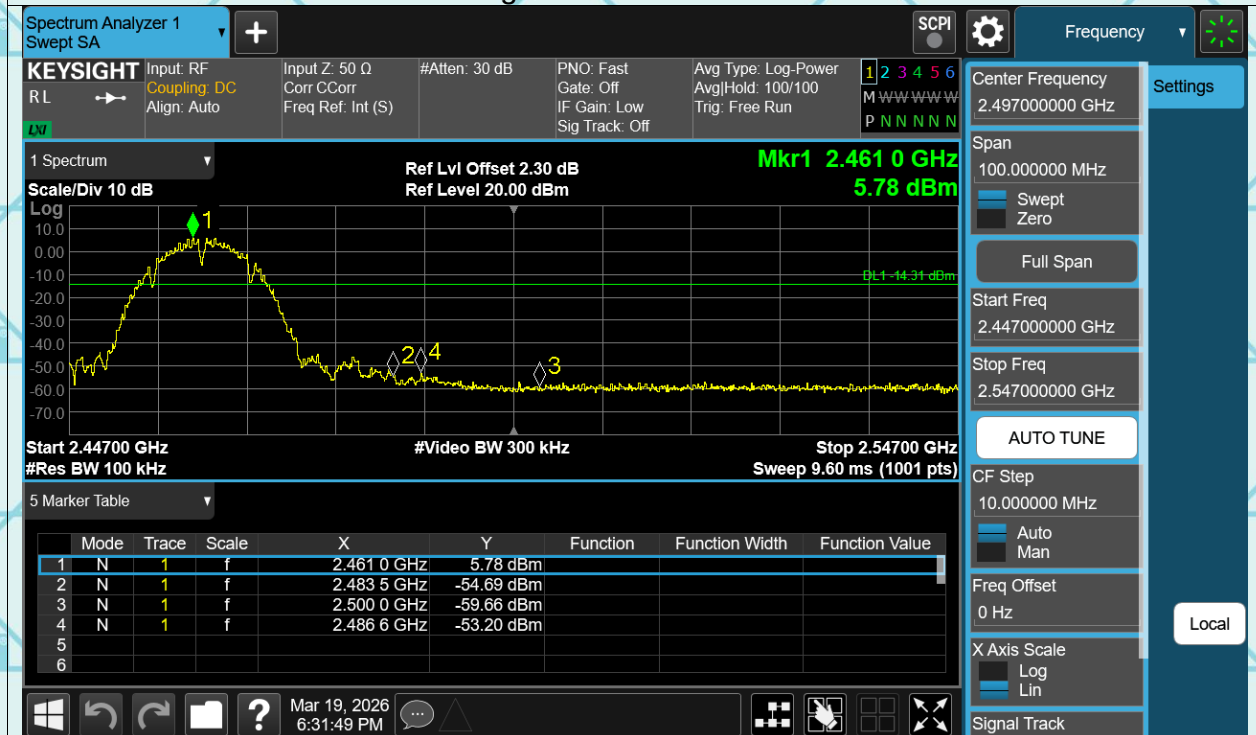
NOTE: The data for 11b/g mode (non-MIMO) is from Antenna 1, and the data for 11n is from MIMO Band Edge



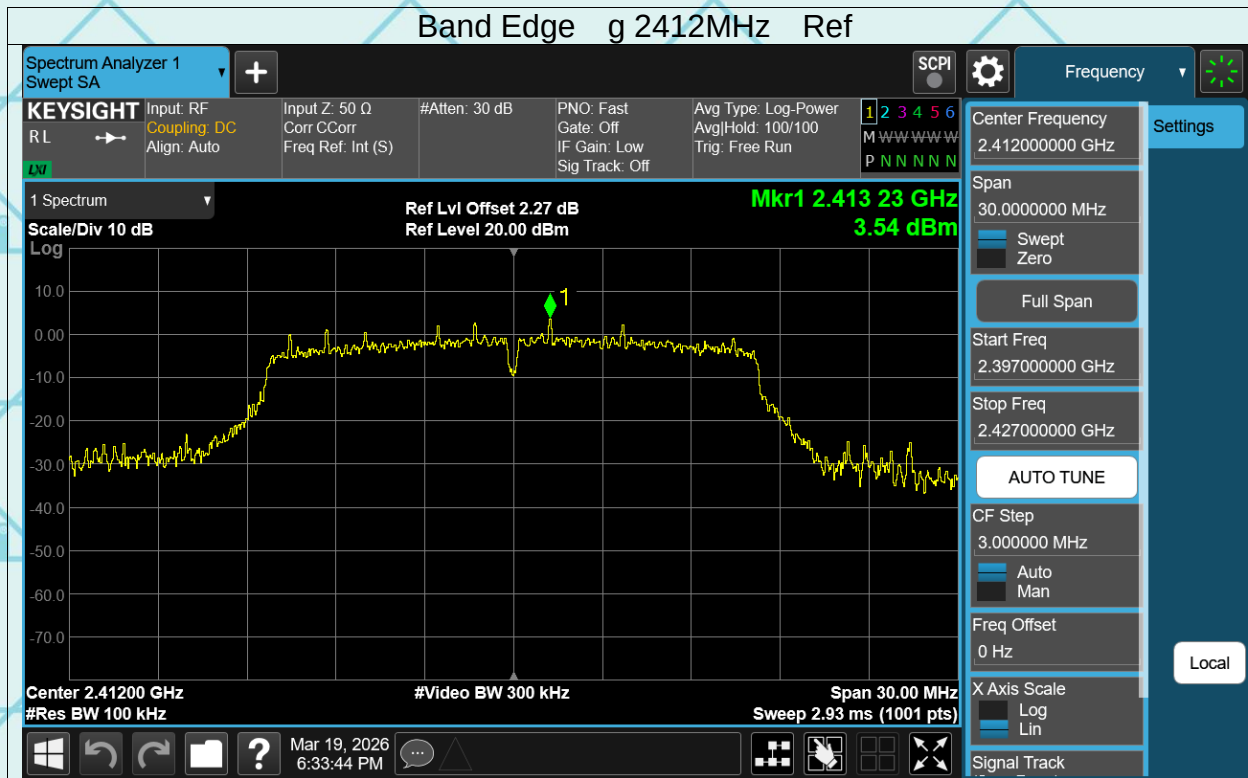
Band Edge b 2462MHz Ref



Band Edge b 2462MHz Emission



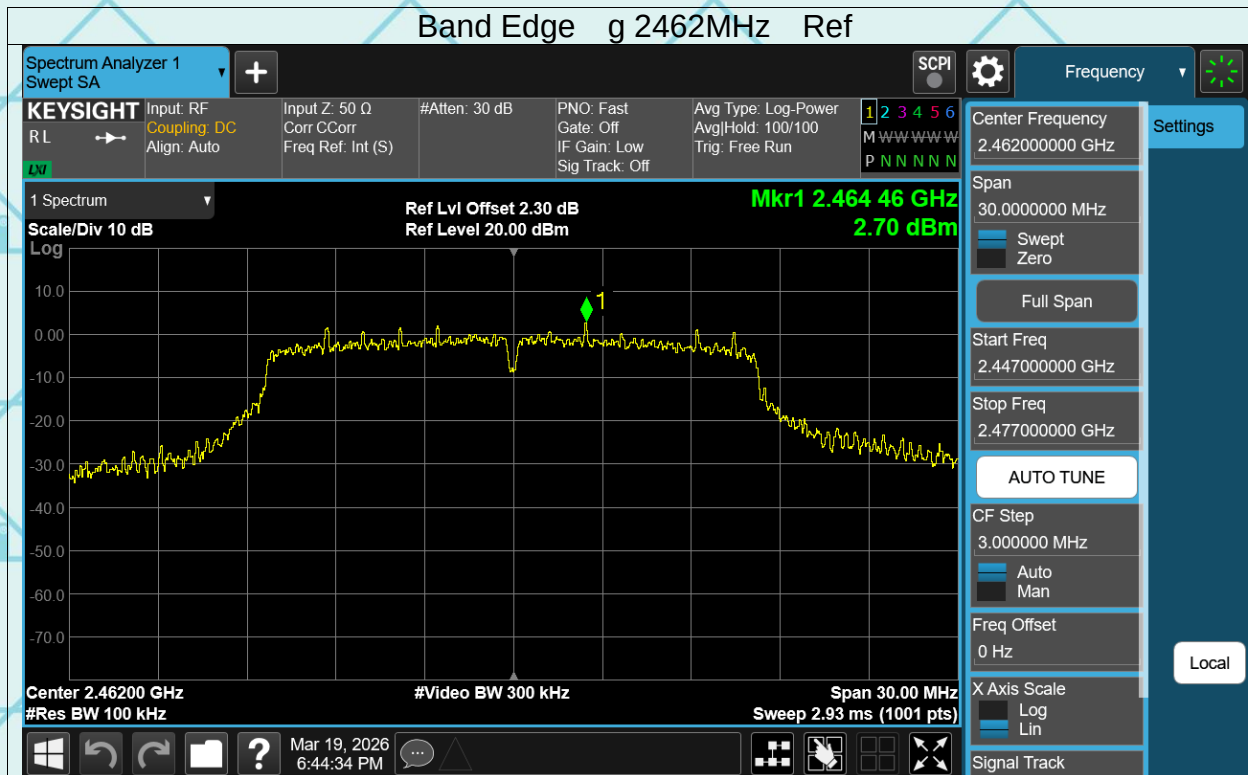
Band Edge g 2412MHz Ref



Band Edge g 2412MHz Emission



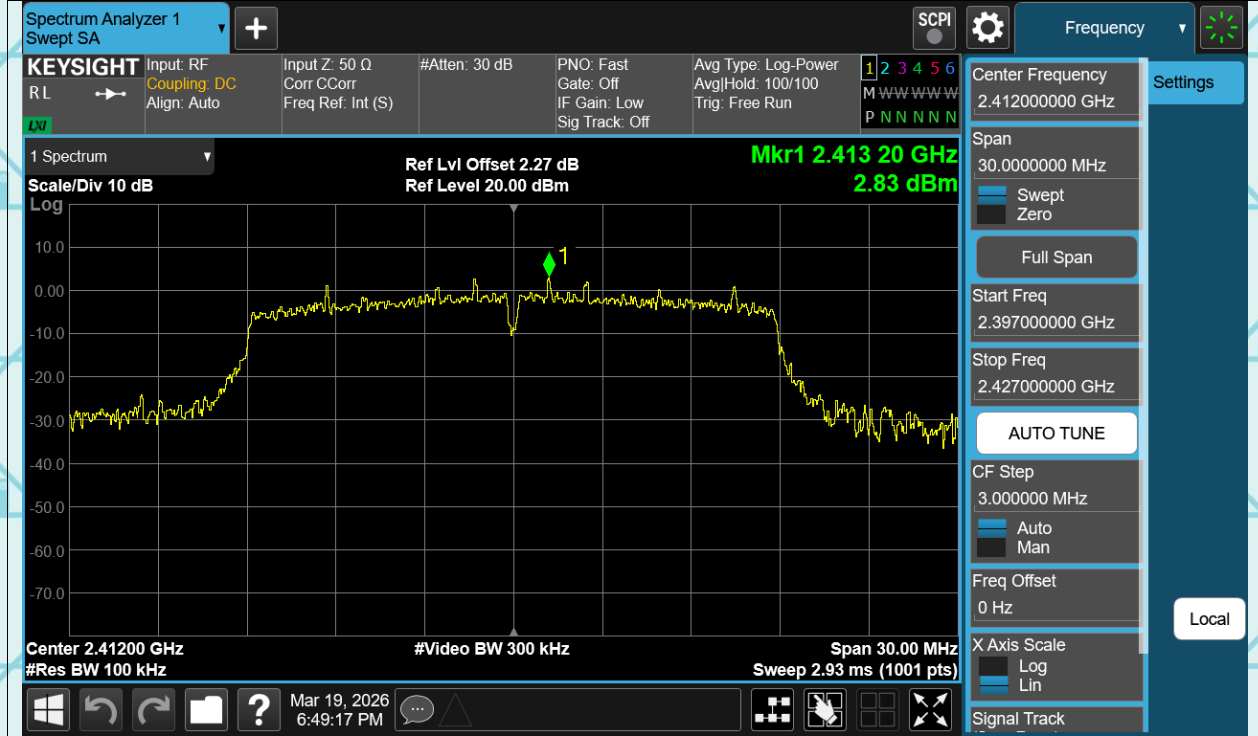
Band Edge g 2462MHz Ref



Band Edge g 2462MHz Emission



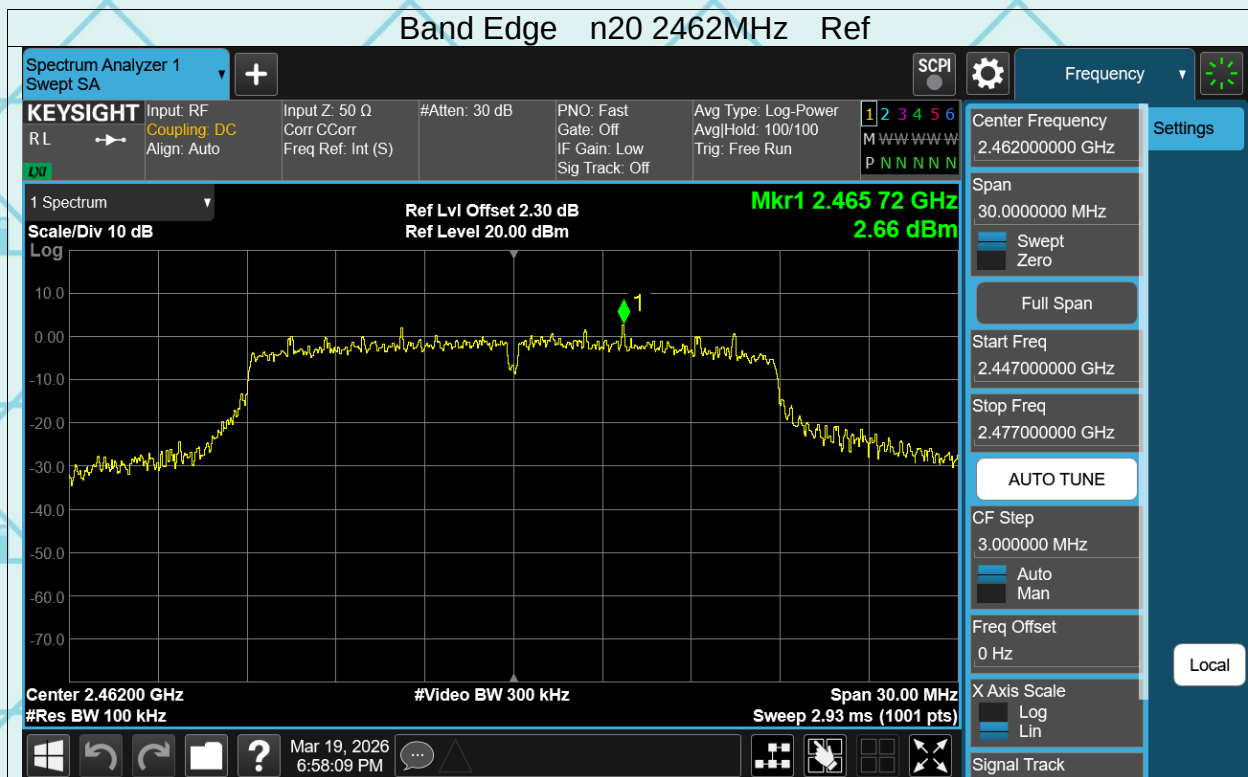
Band Edge n20 2412MHz Ref



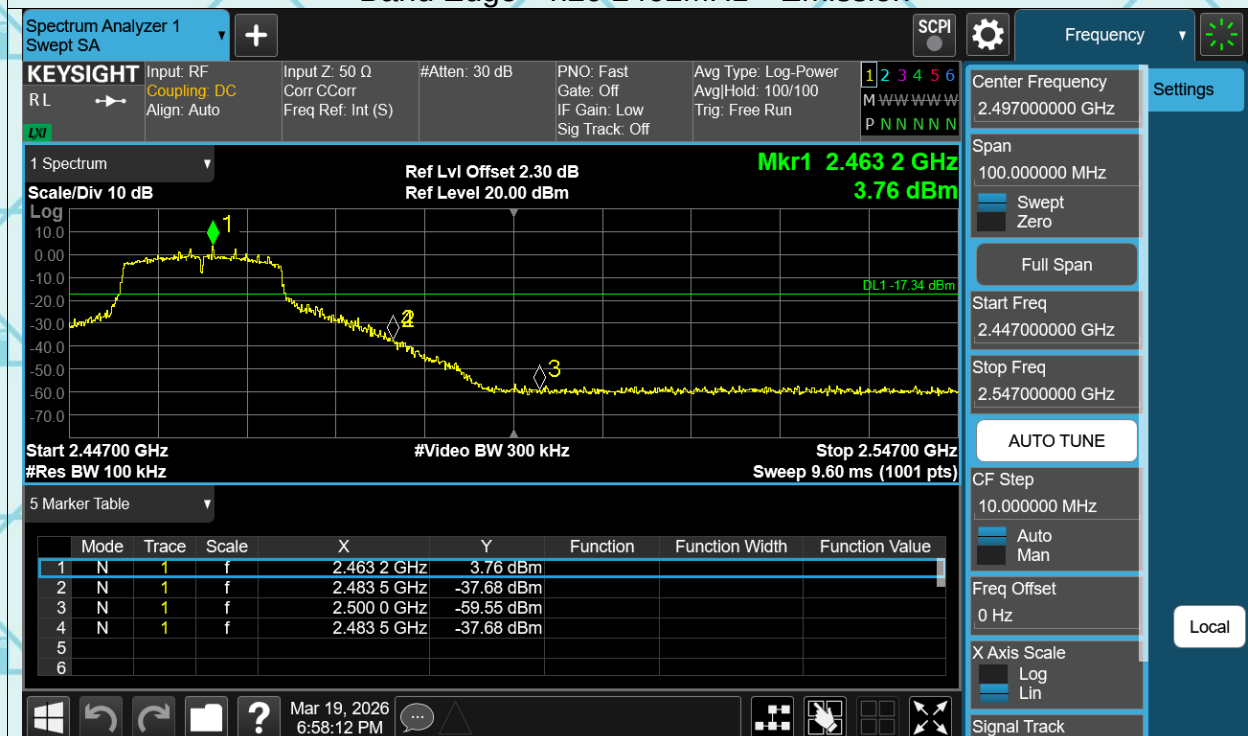
Band Edge n20 2412MHz Emission

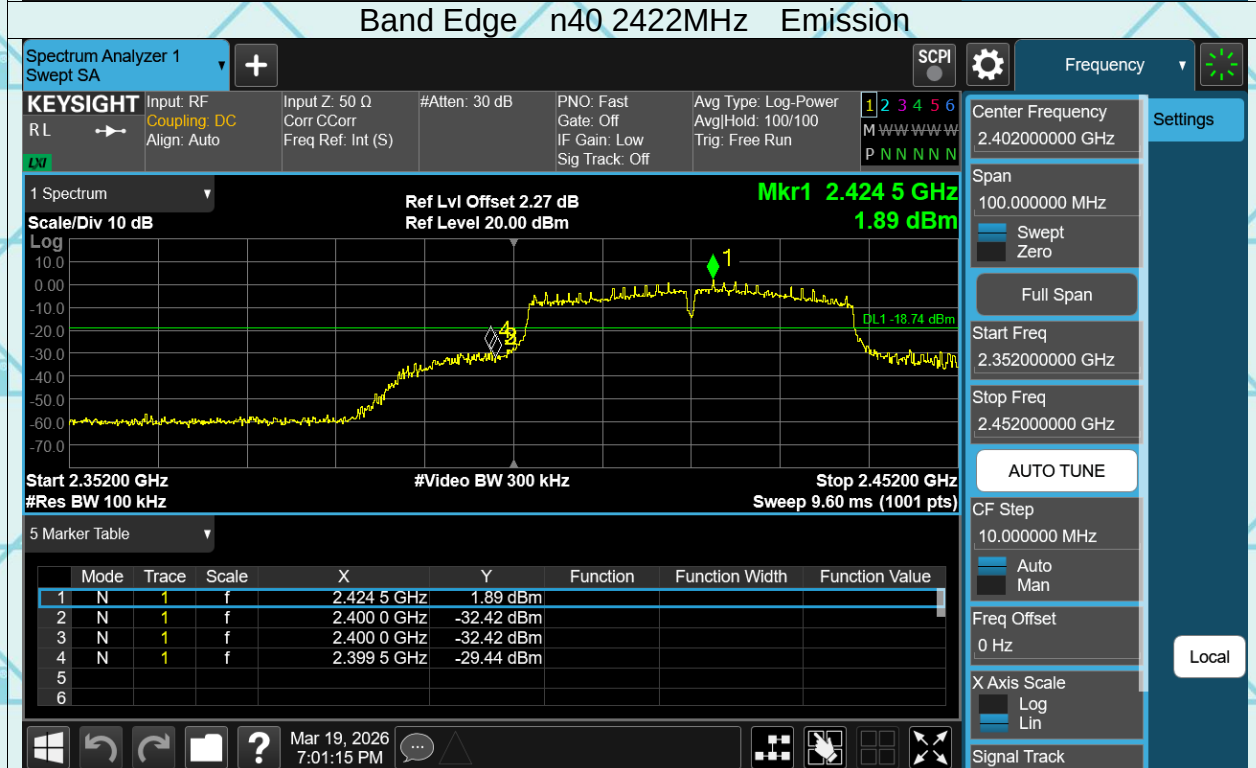
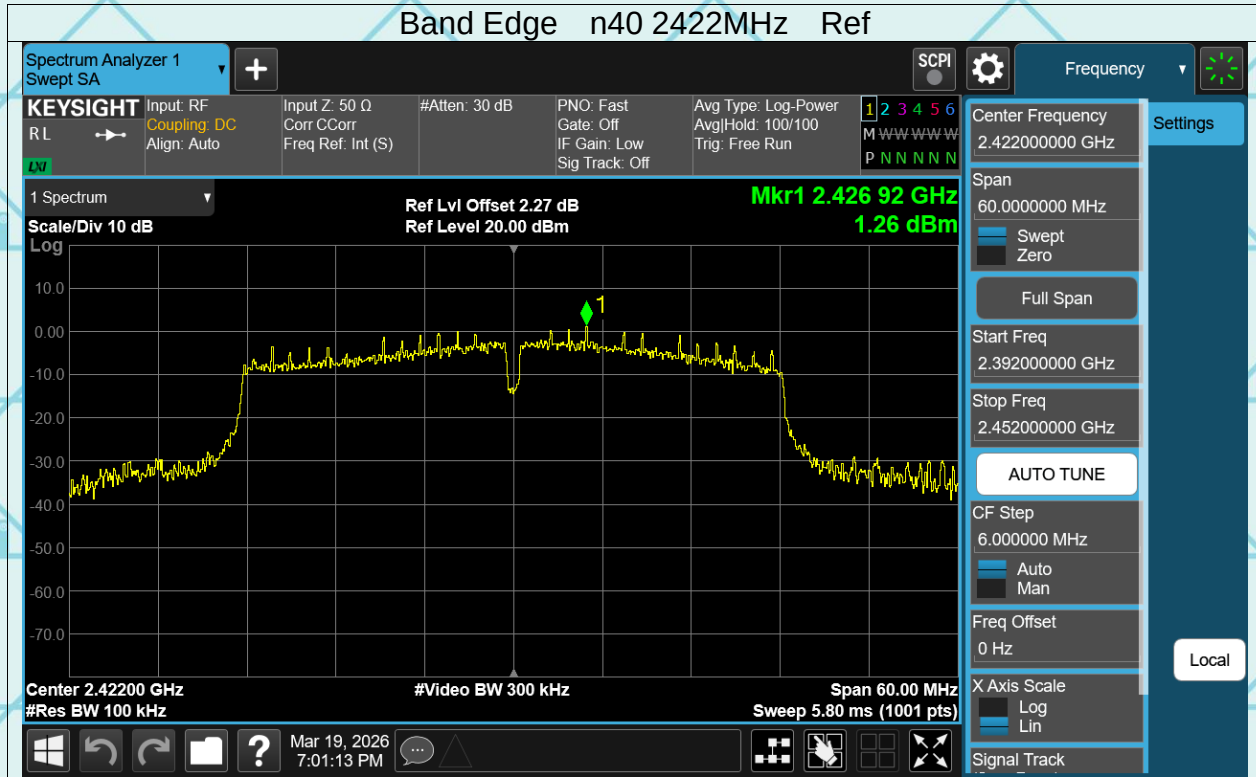


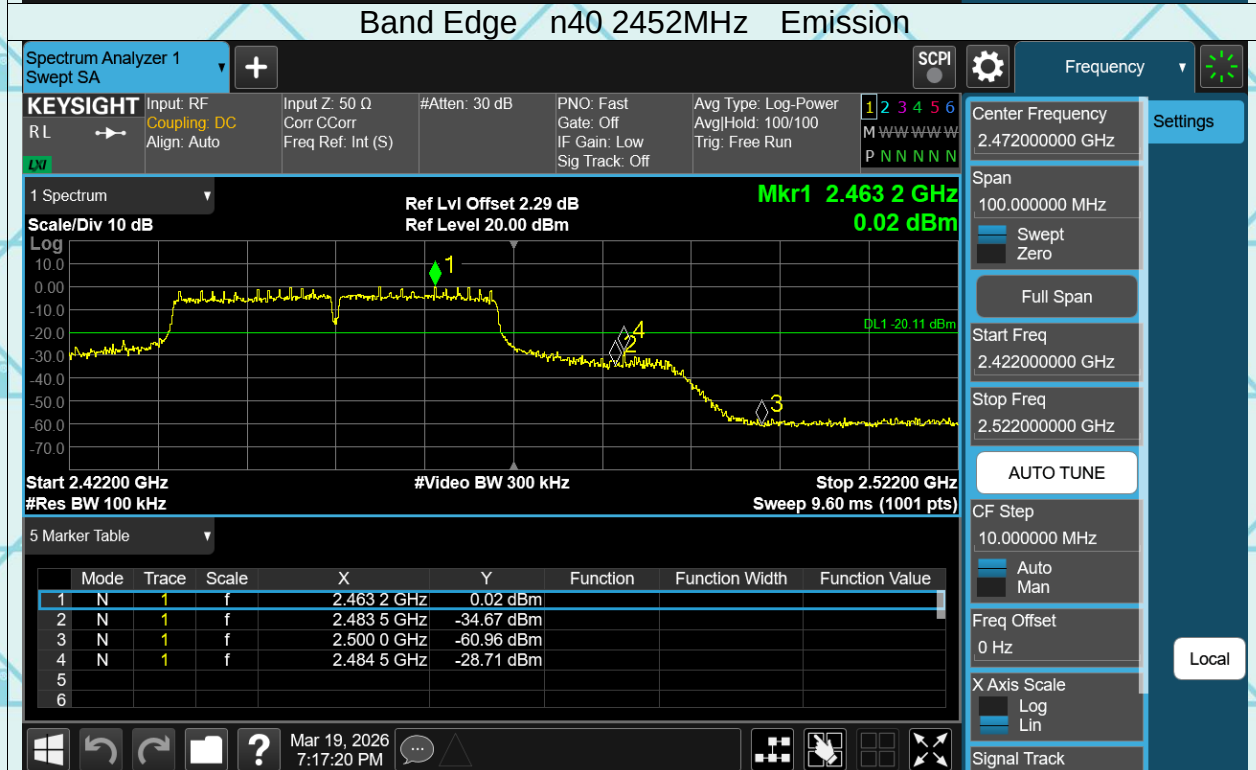
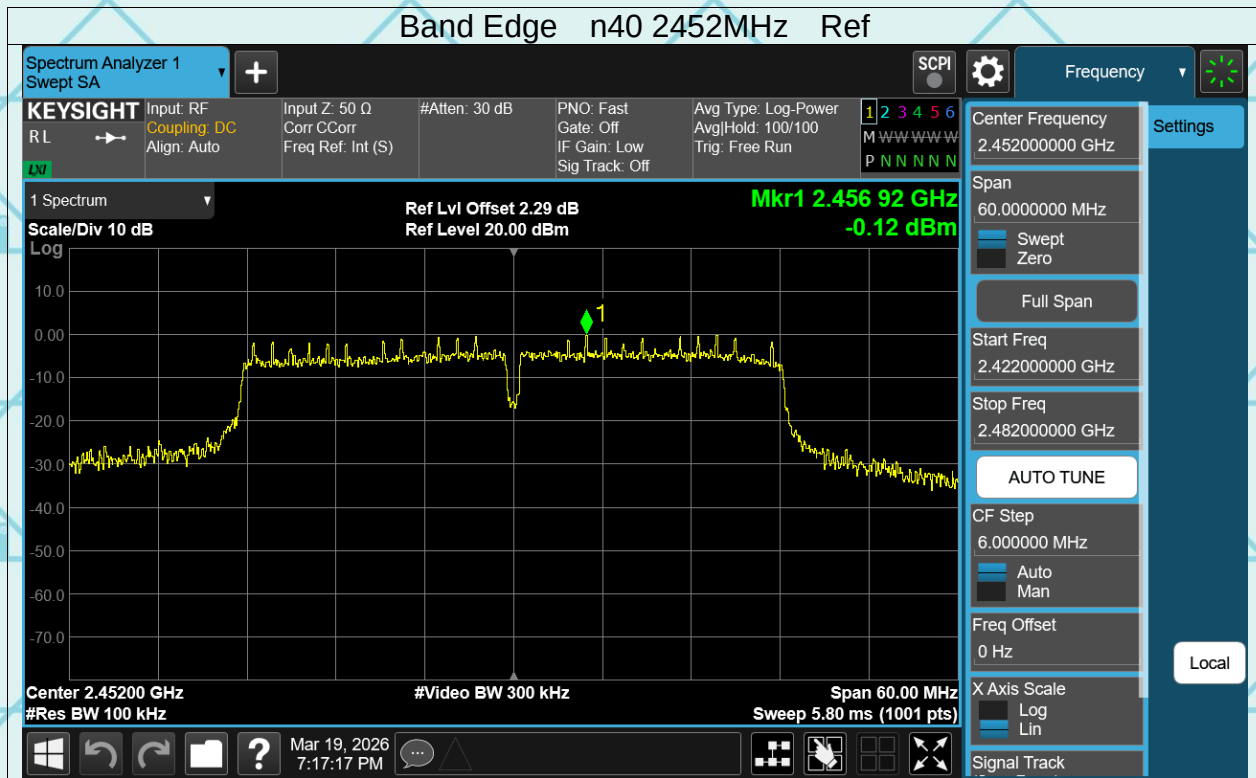
Band Edge n20 2462MHz Ref



Band Edge n20 2462MHz Emission

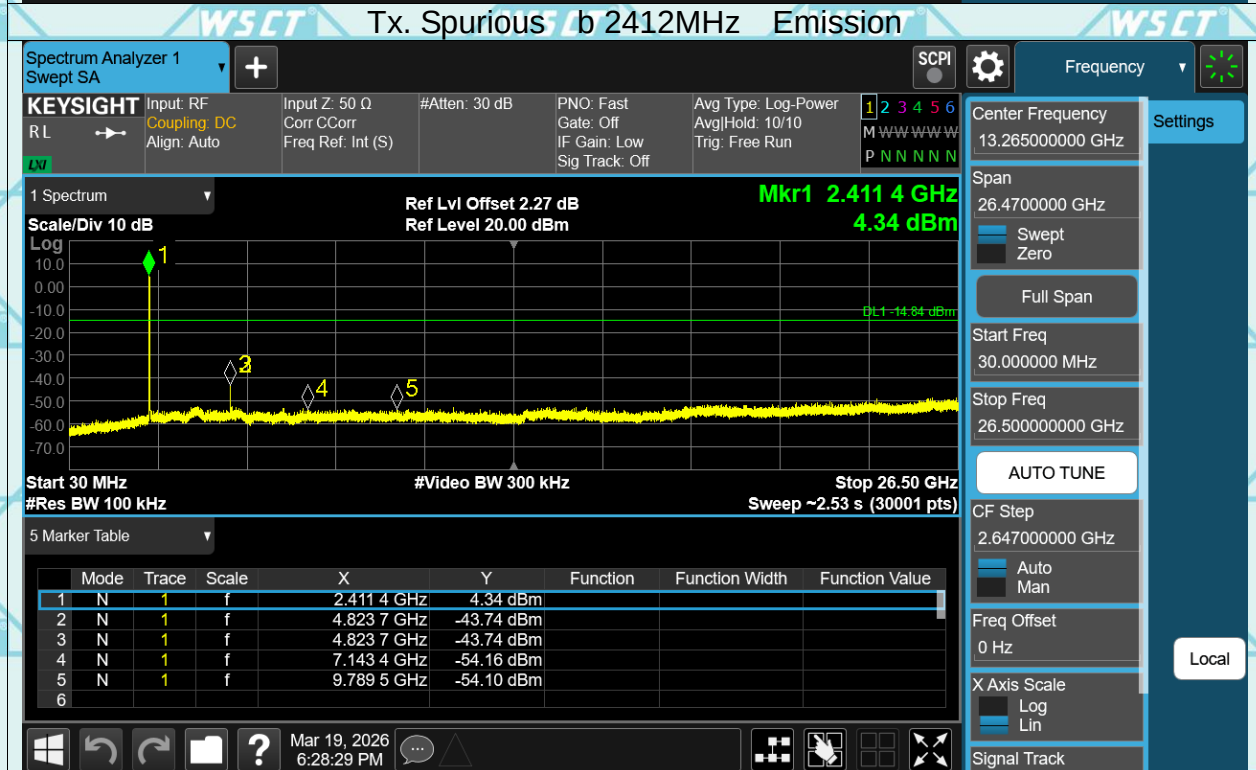
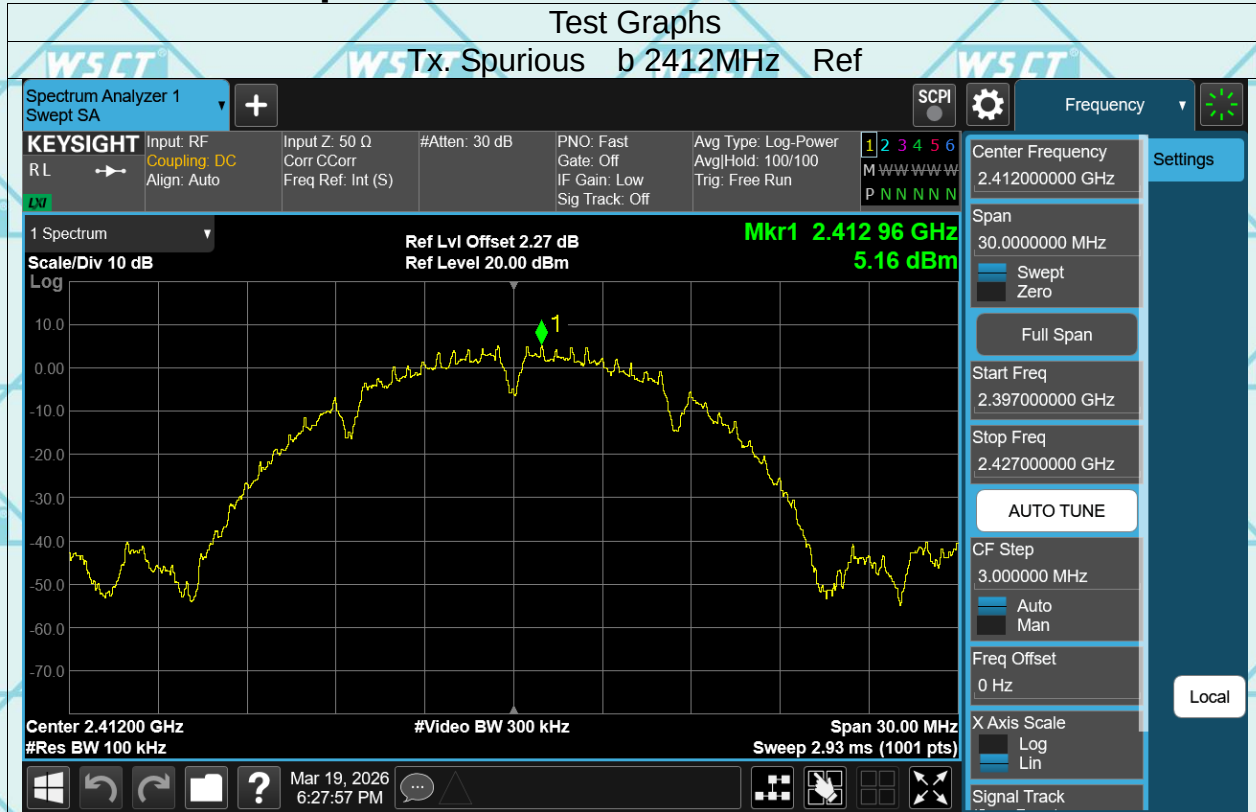




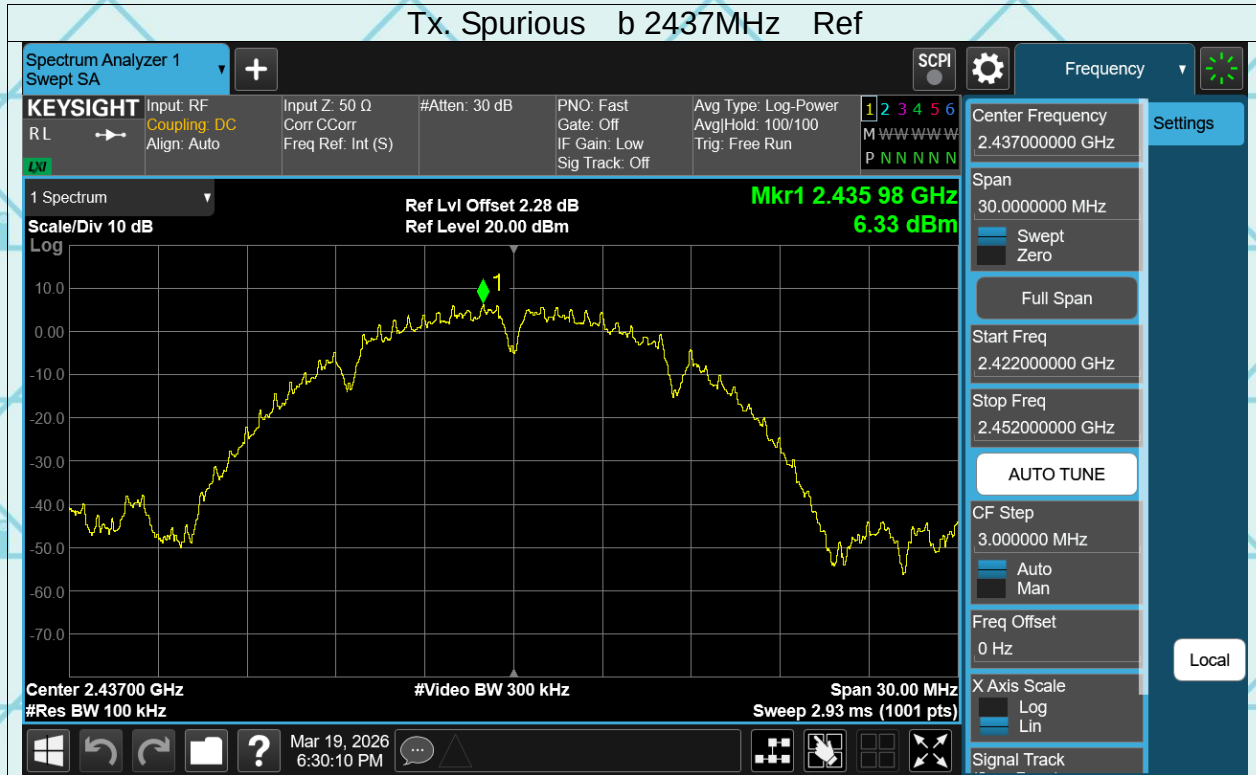


Conducted RF Spurious Emission

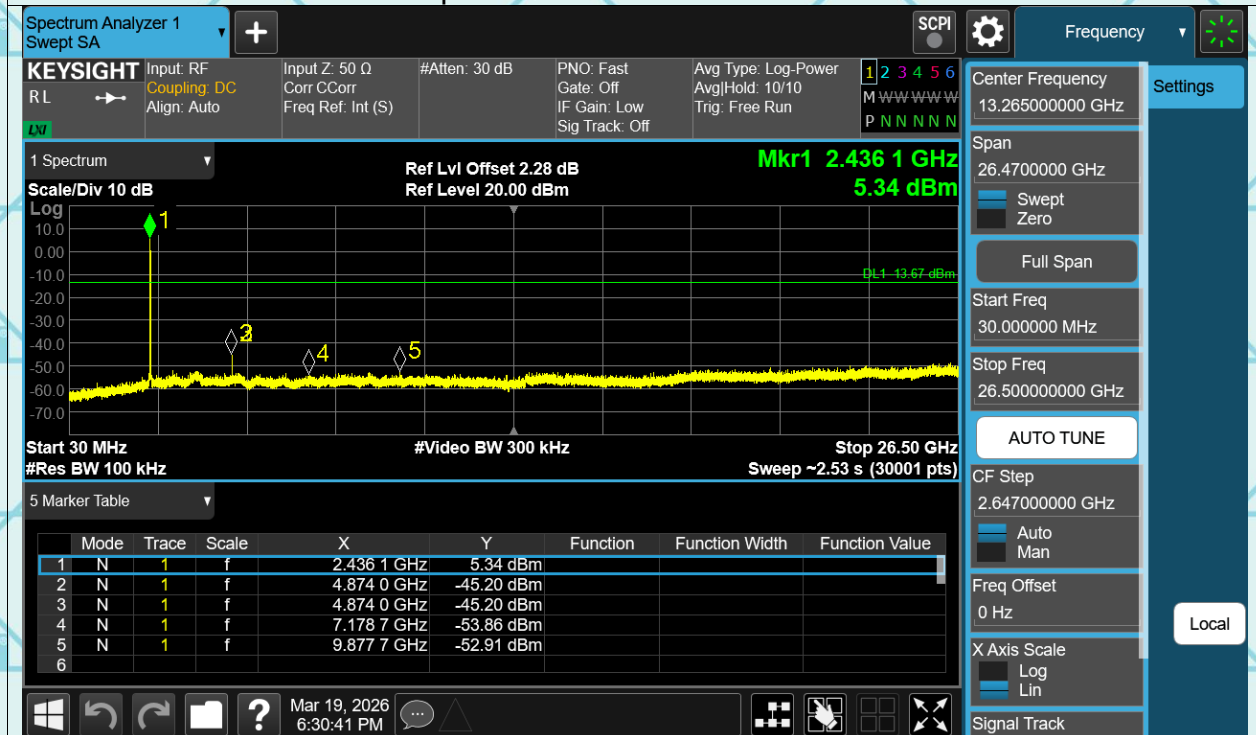
Test Graphs



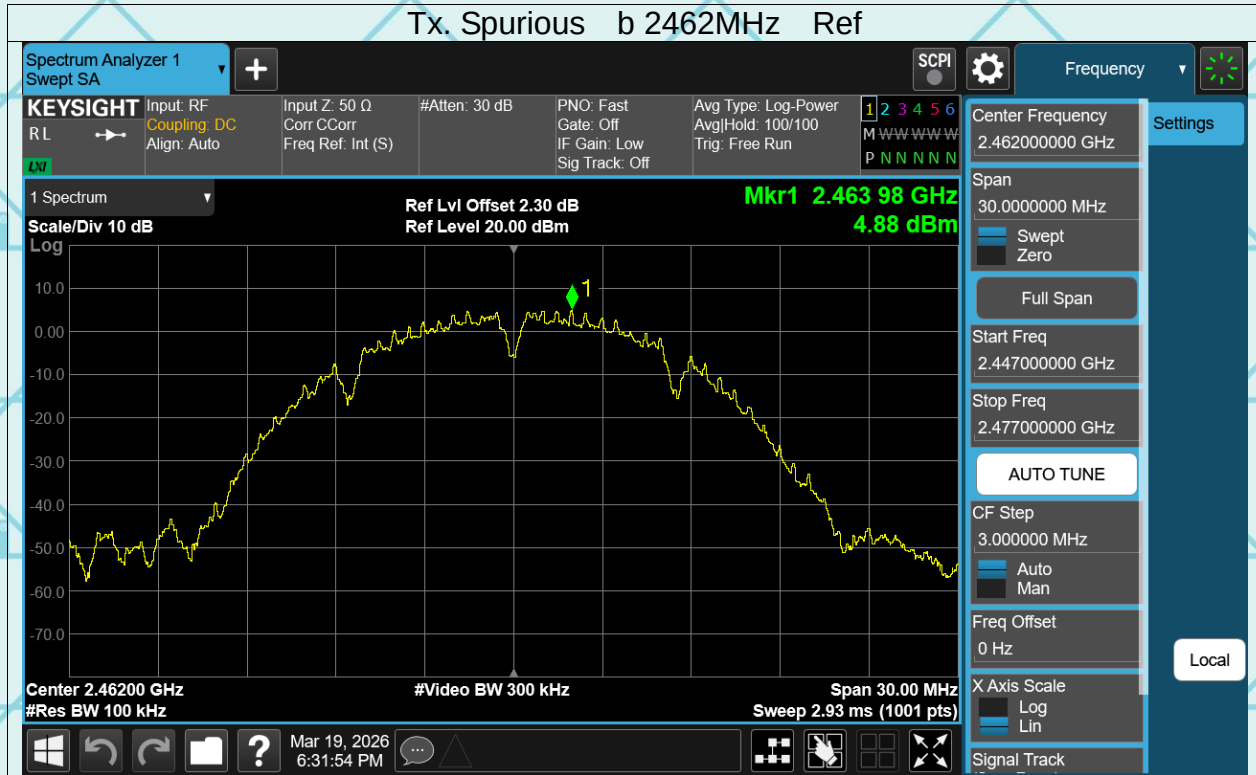
Tx. Spurious b 2437MHz Ref



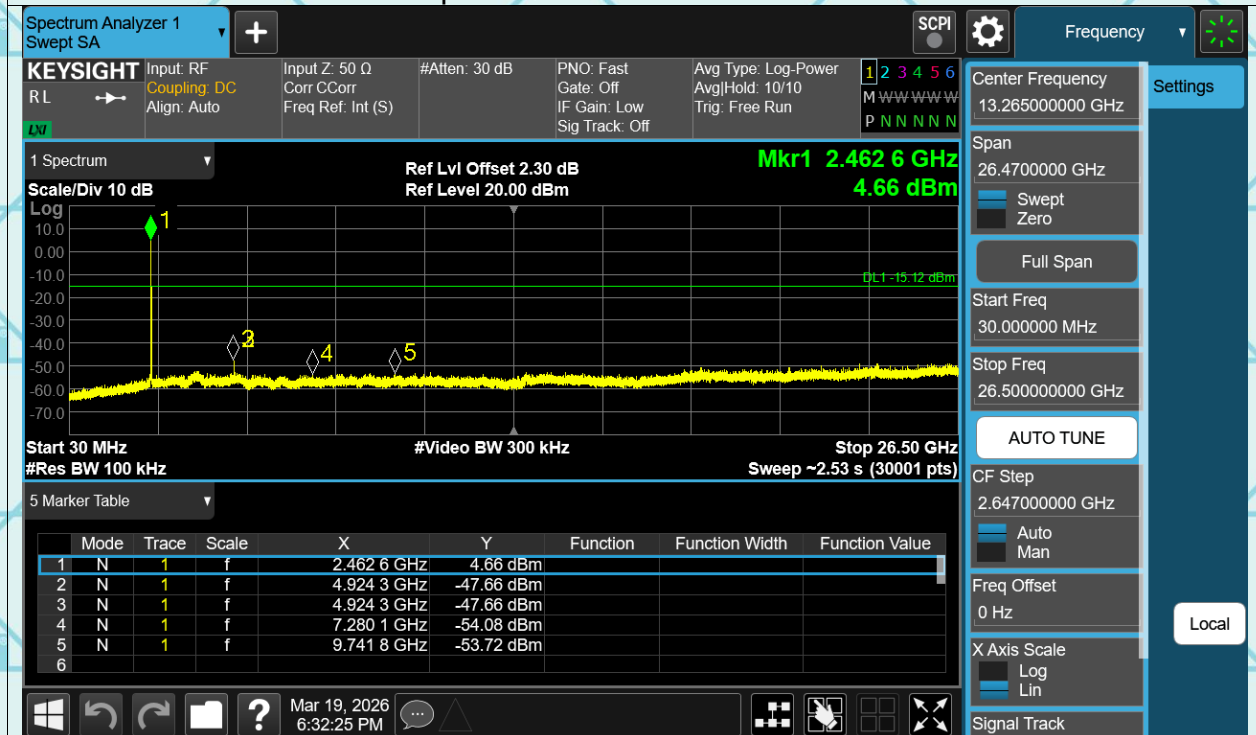
Tx. Spurious b 2437MHz Emission



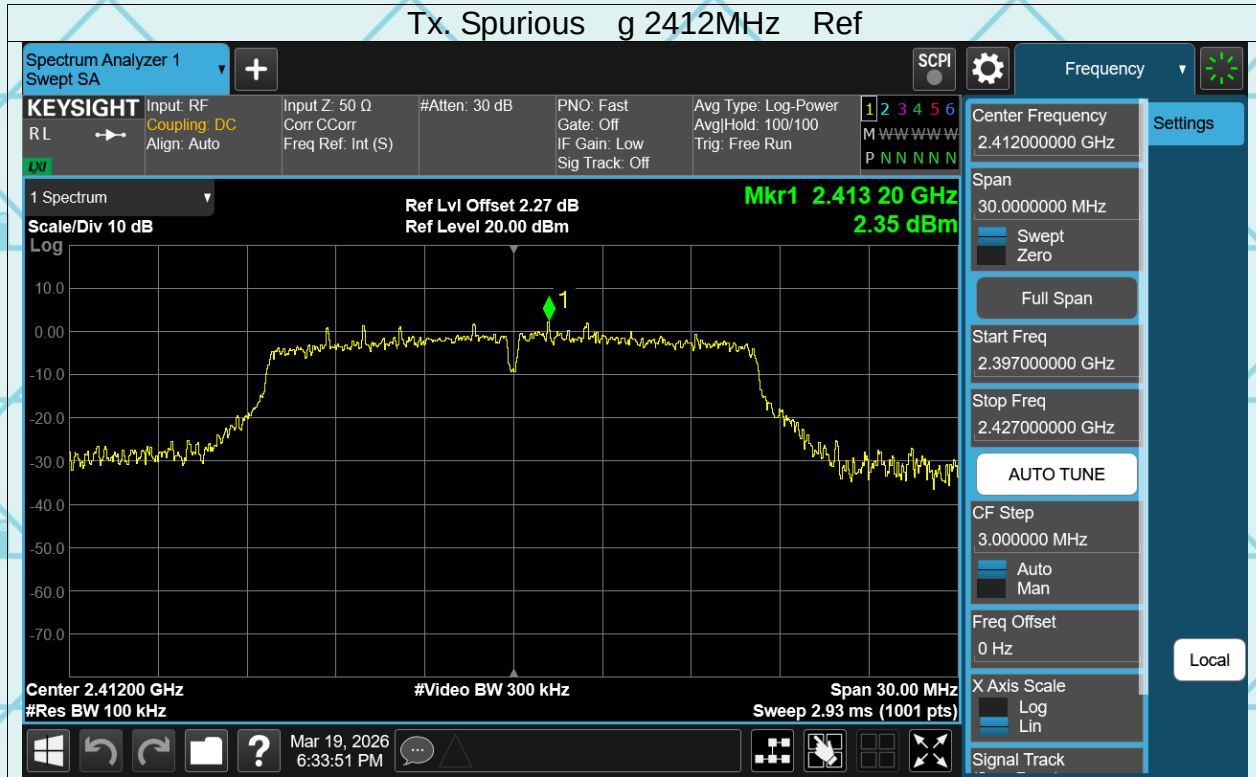
Tx. Spurious b 2462MHz Ref



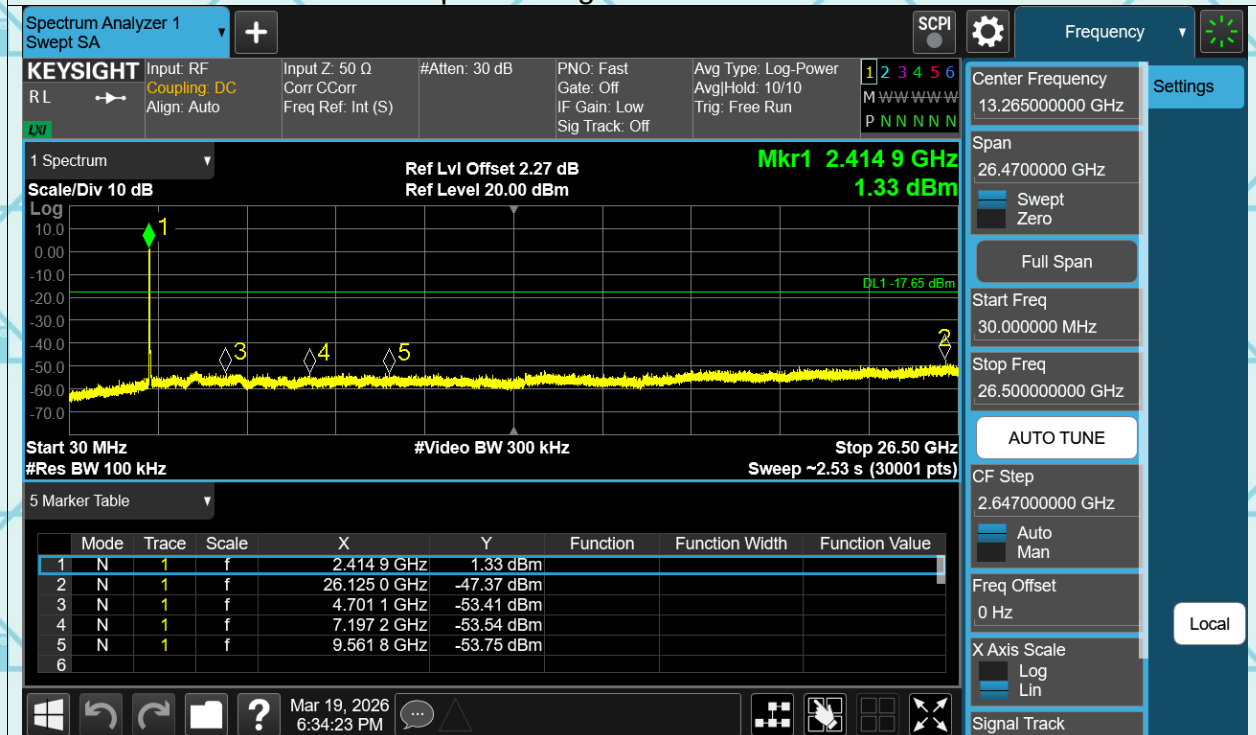
Tx. Spurious b 2462MHz Emission



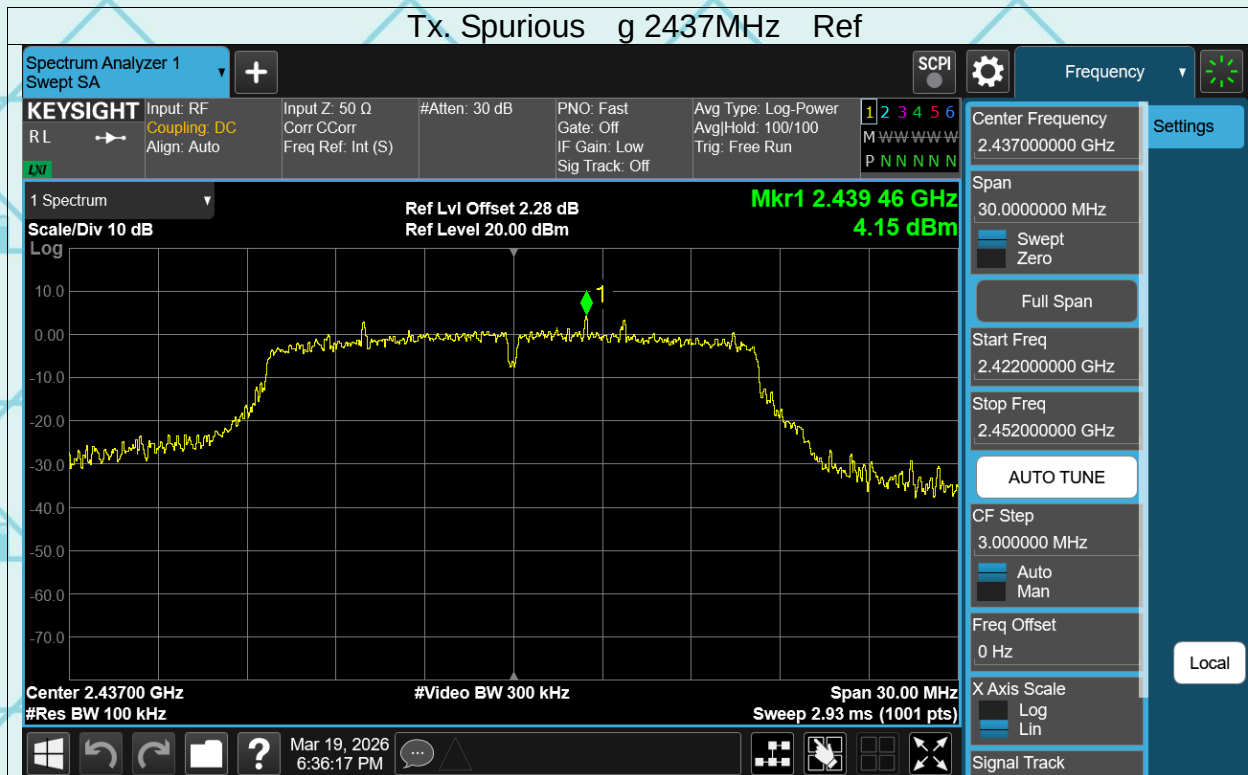
Tx. Spurious g 2412MHz Ref



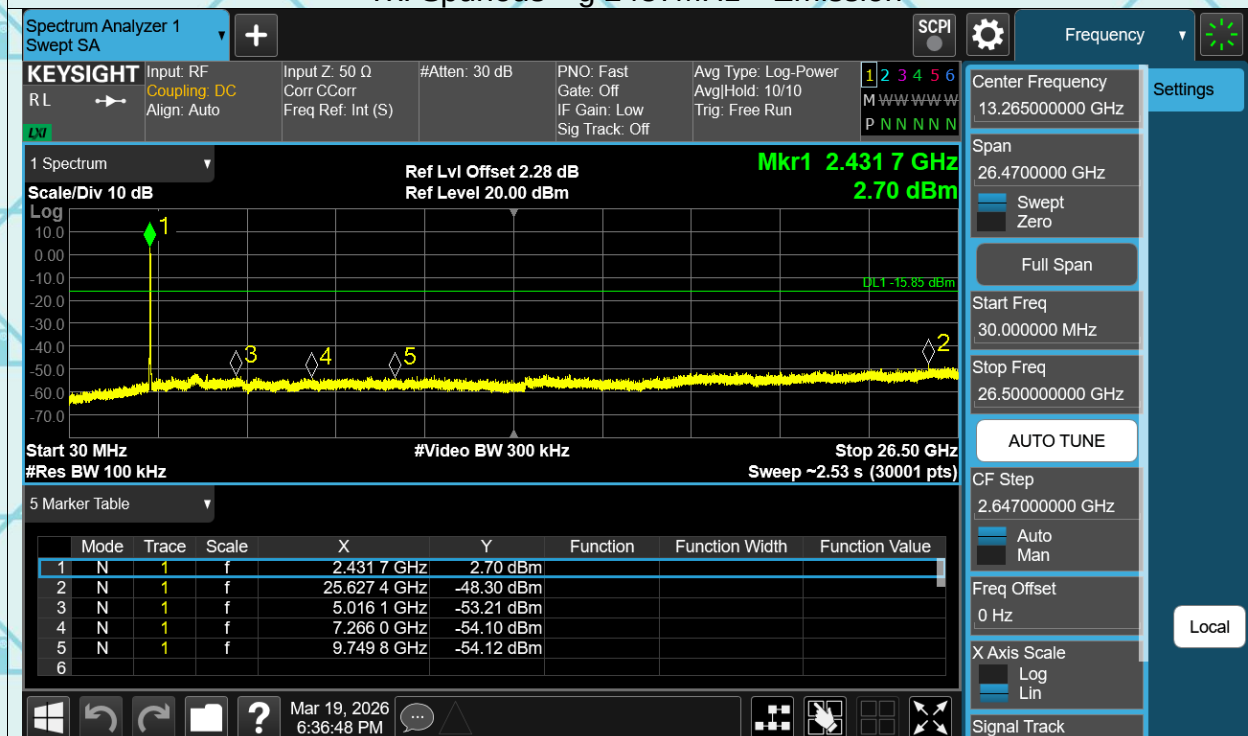
Tx. Spurious g 2412MHz Emission



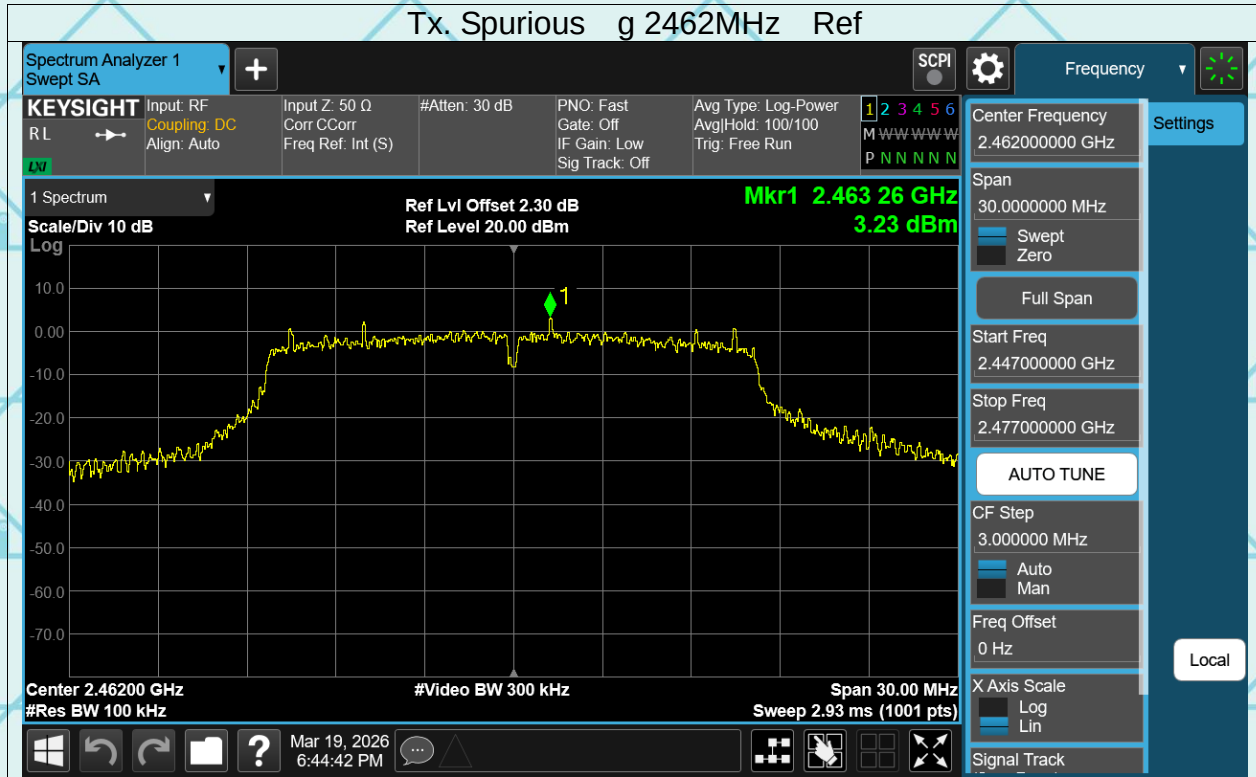
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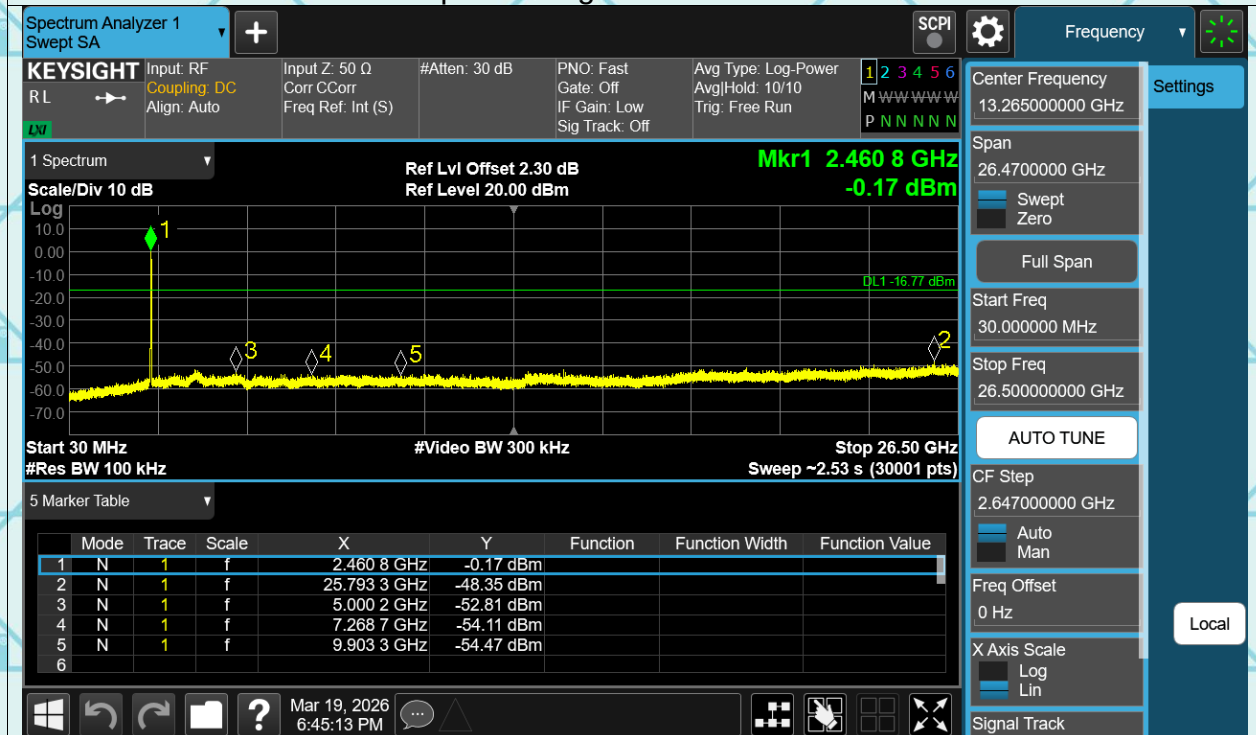
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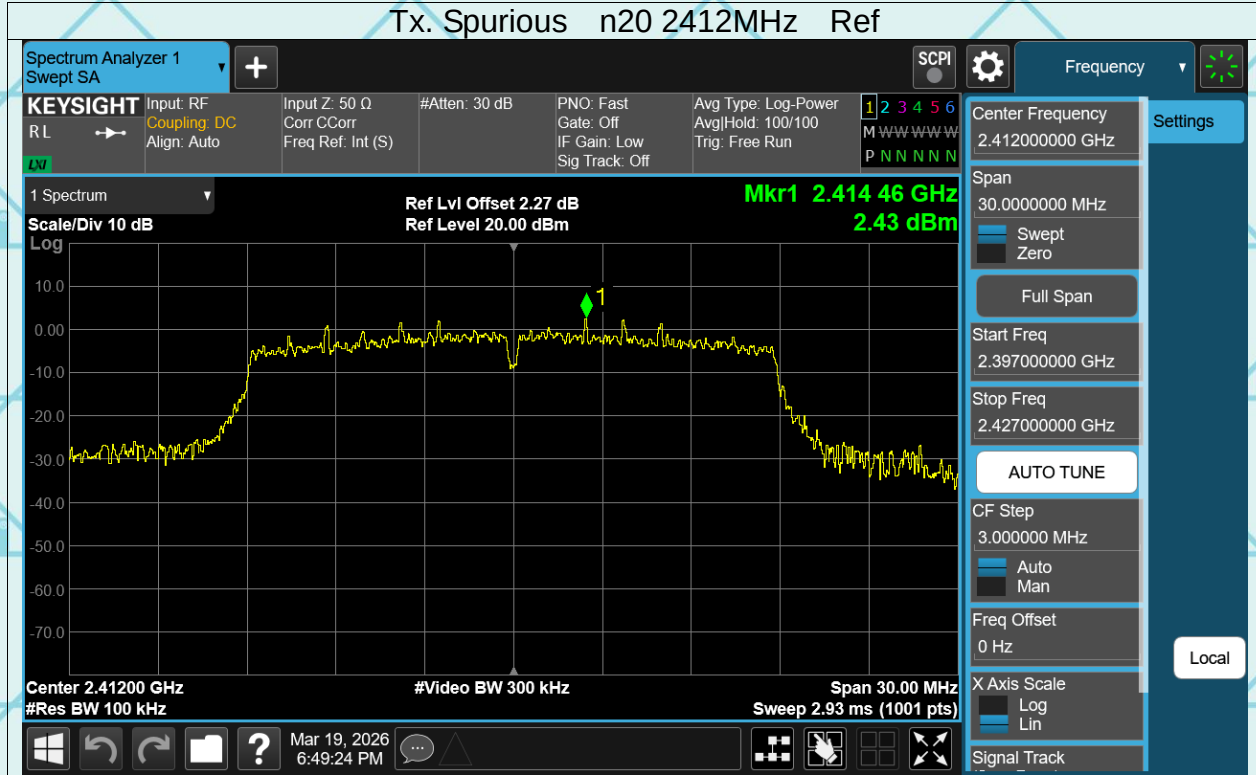
Tx. Spurious g 2462MHz Ref



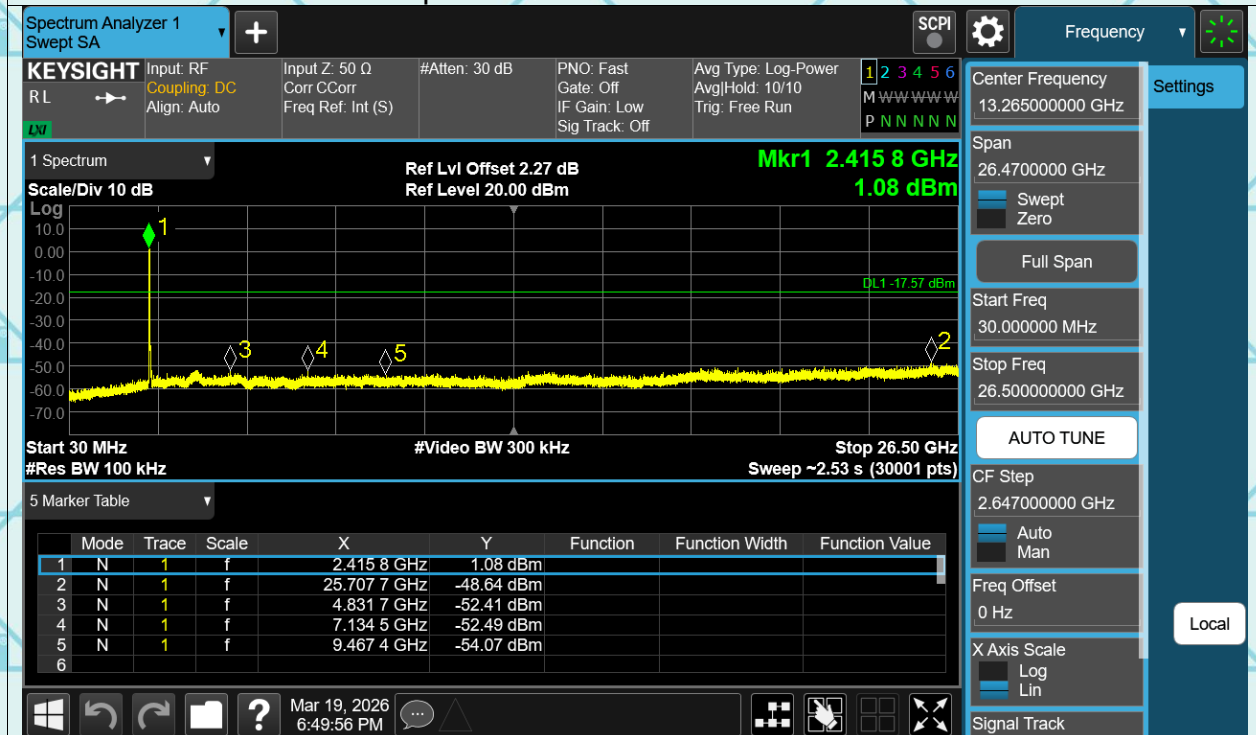
Tx. Spurious g 2462MHz Emission



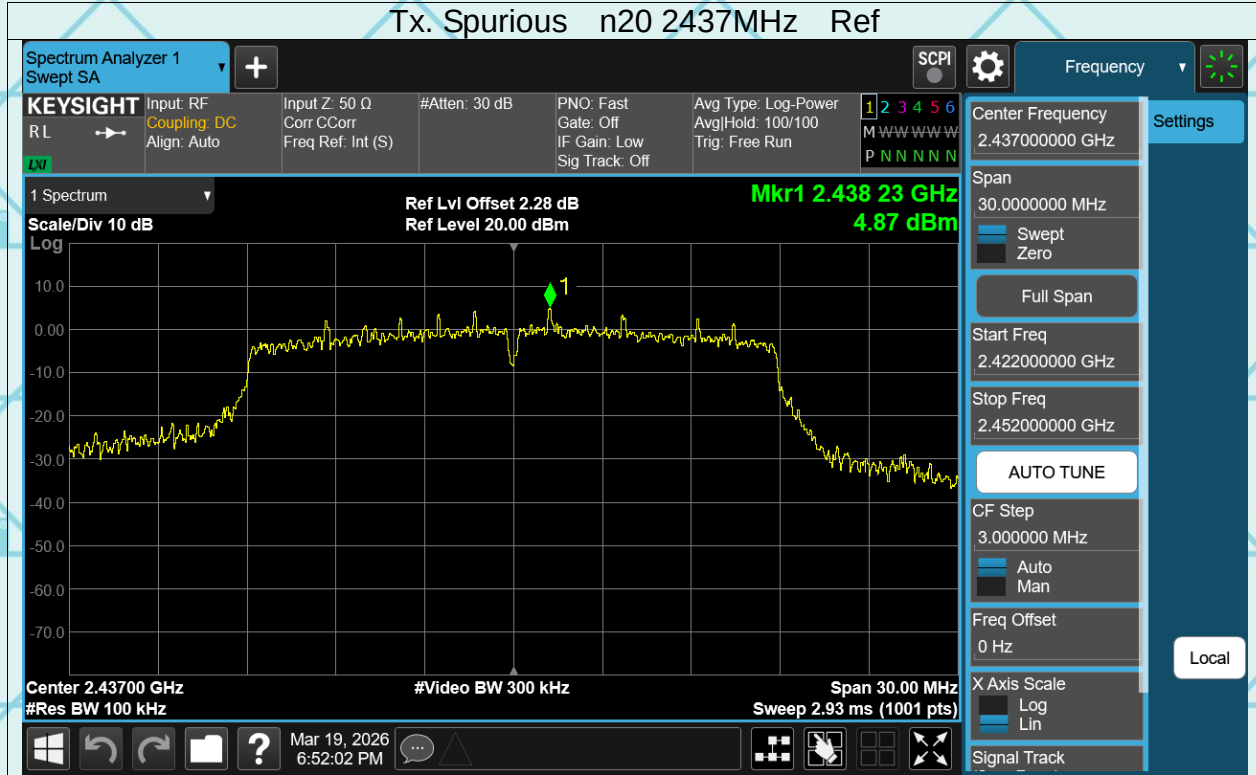
Tx. Spurious n20 2412MHz Ref



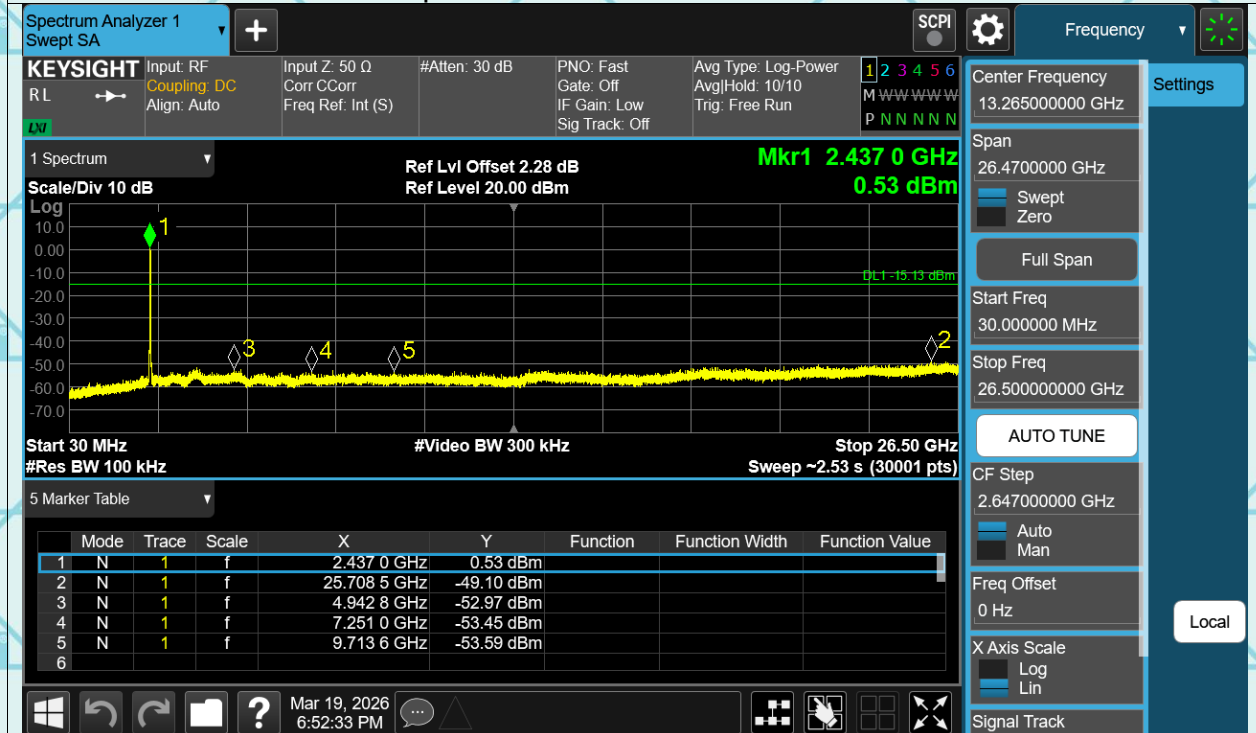
Tx. Spurious n20 2412MHz Emission



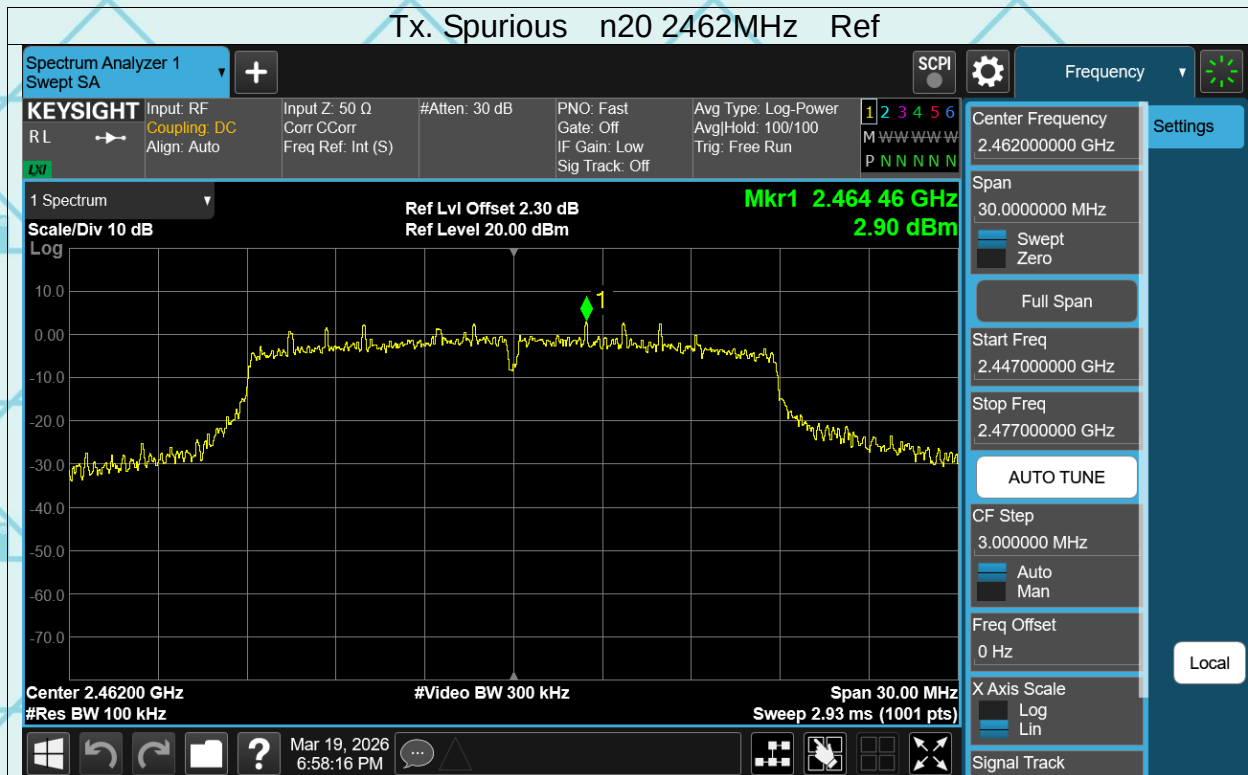
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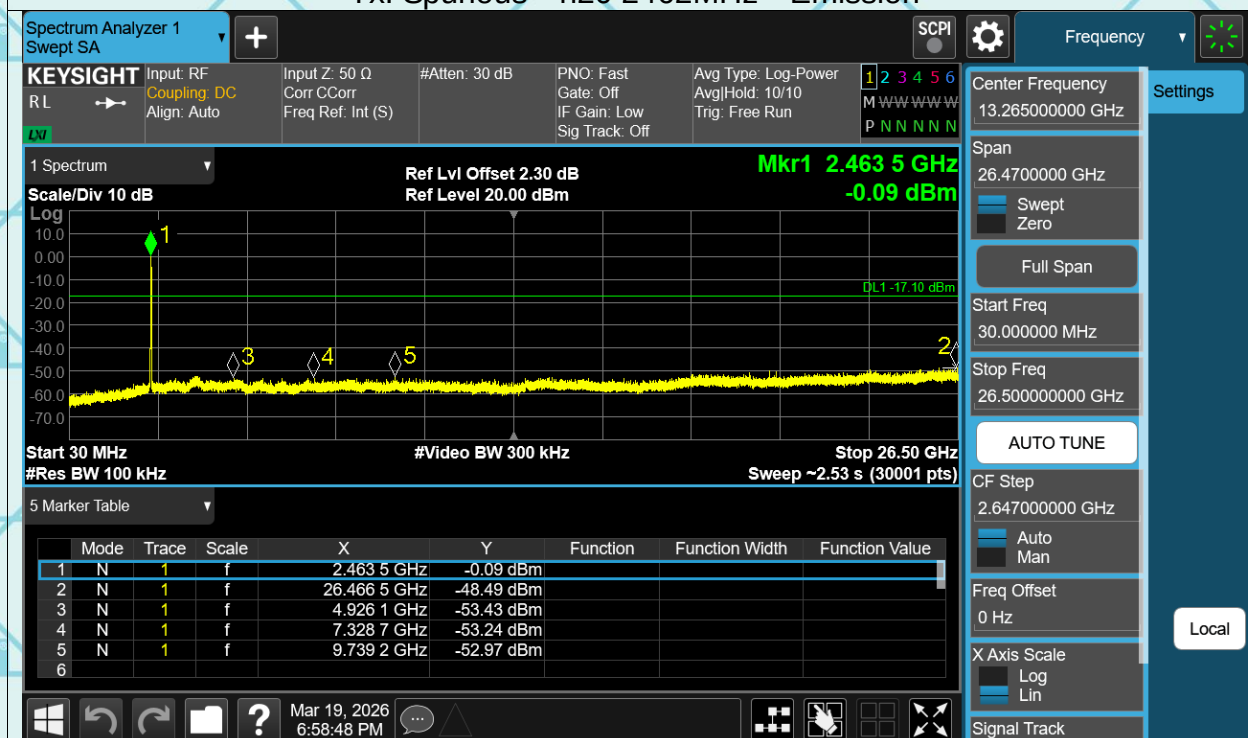
Tx. Spurious n20 2437MHz Emission



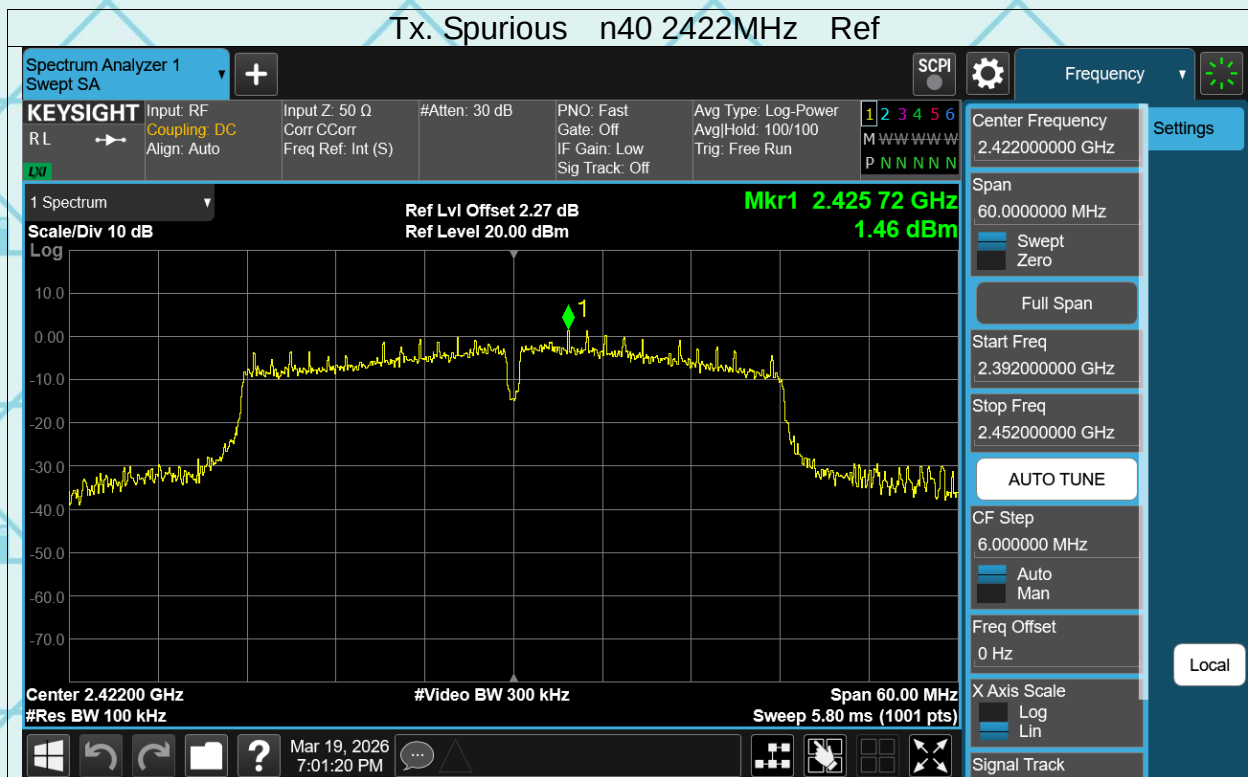
Tx. Spurious n20 2462MHz Ref



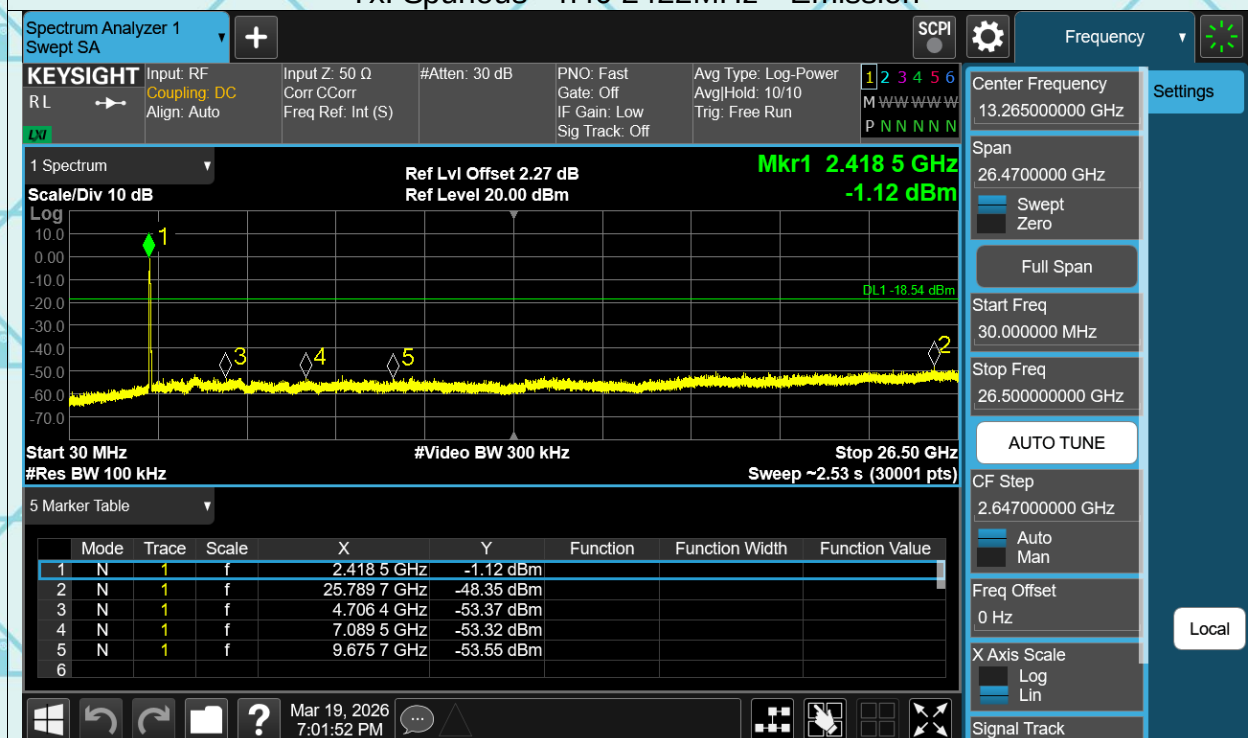
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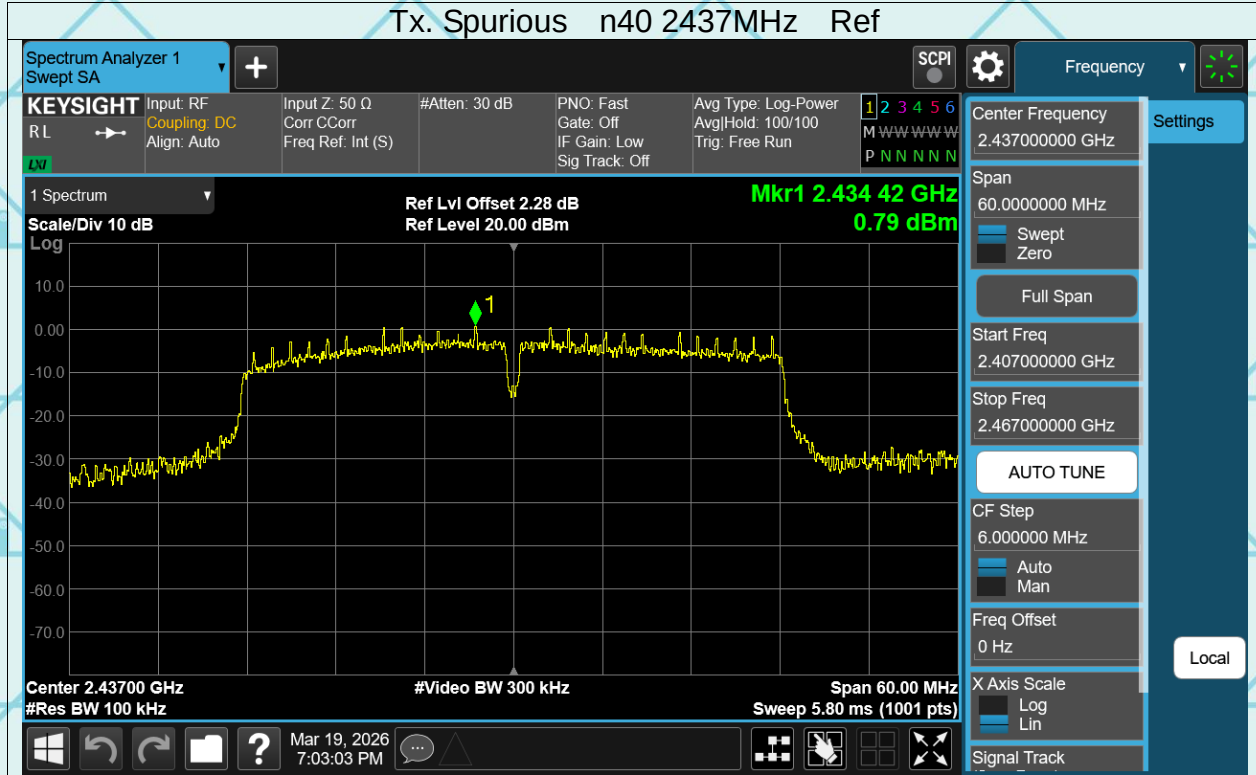
Tx. Spurious n40 2422MHz Ref



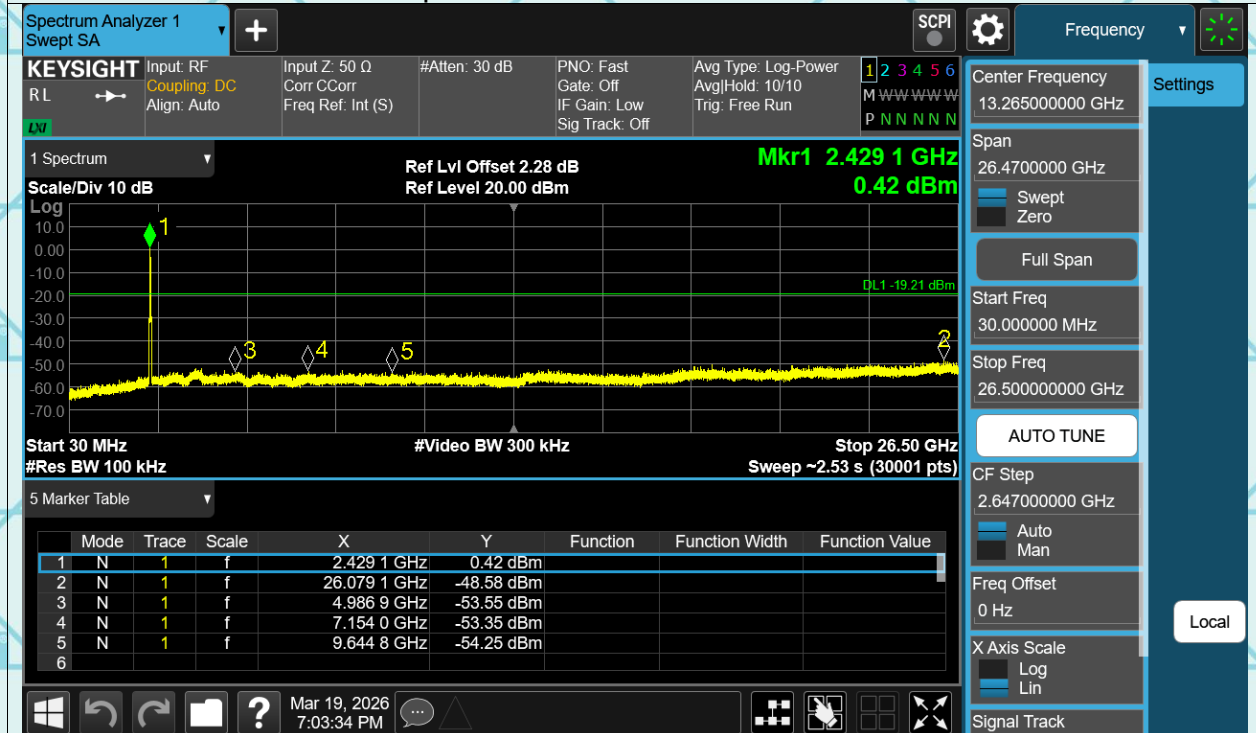
Tx. Spurious n40 2422MHz Emission



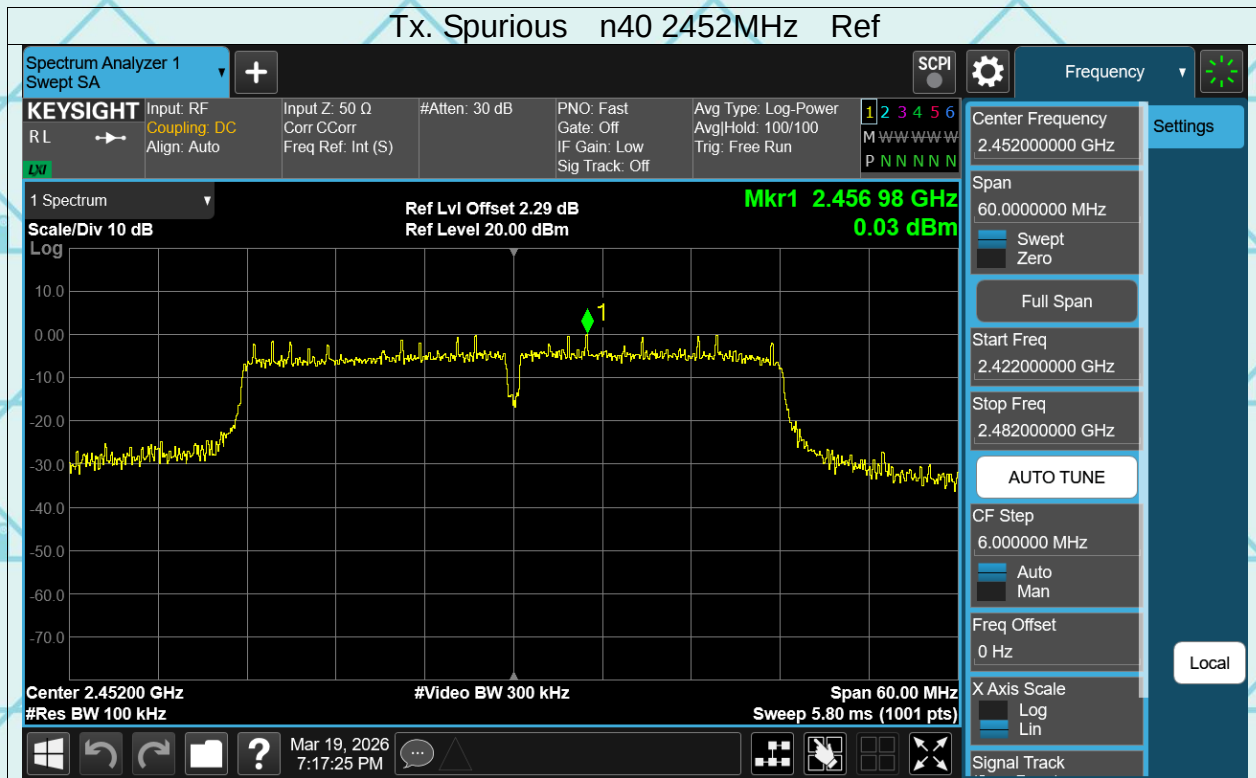
Tx. Spurious n40 2437MHz Ref



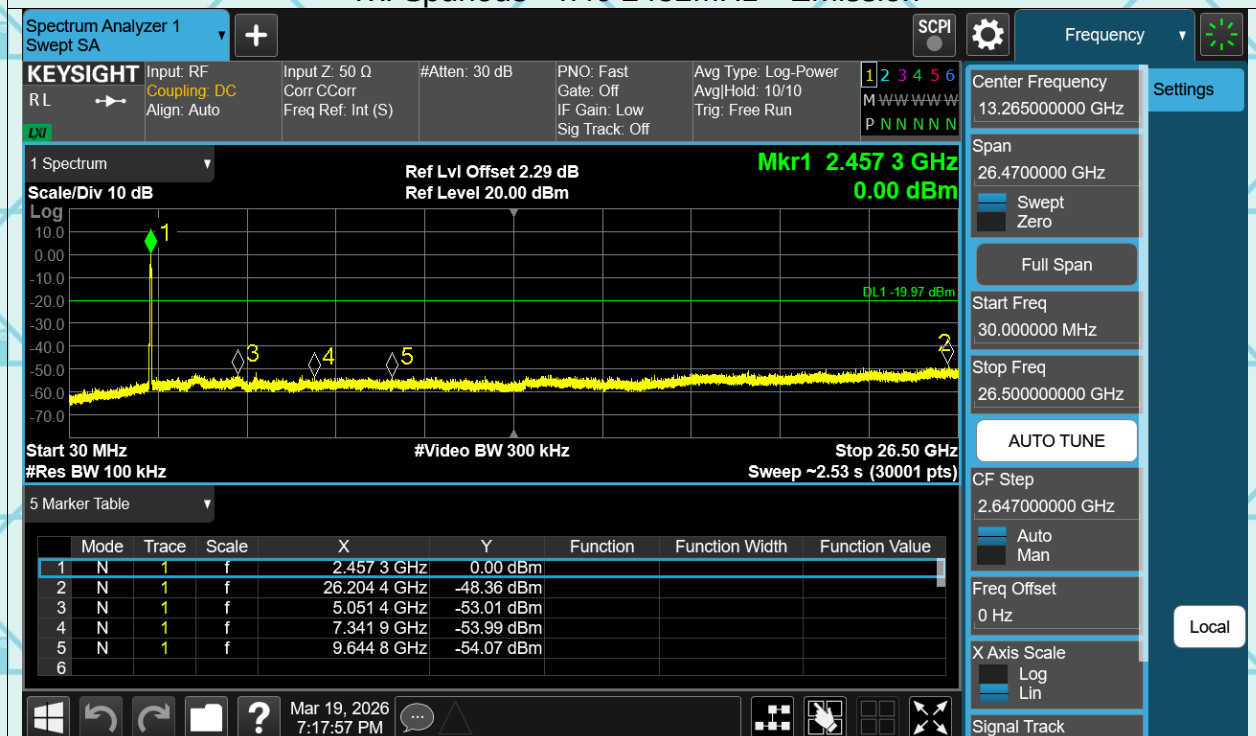
Tx. Spurious n40 2437MHz Emission



Tx. Spurious n40 2452MHz Ref

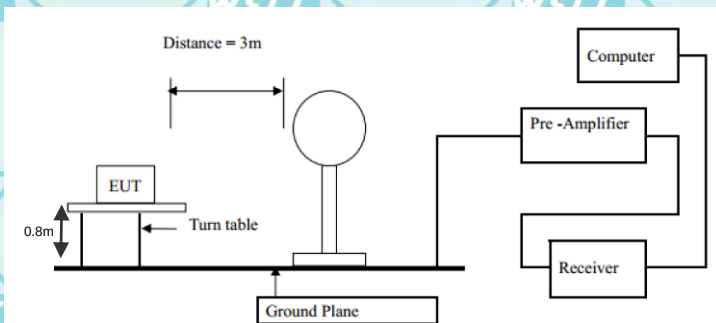


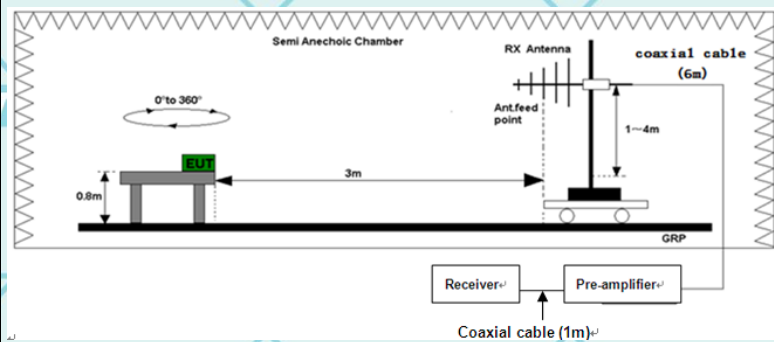
Tx. Spurious n40 2452MHz Emission



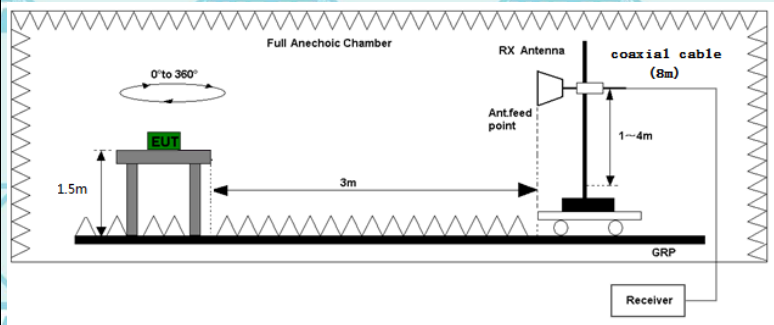
6.7. Radiated Spurious Emission Measurement

6.7.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209				
Test Method:	ANSI C63.10:2020				
Frequency Range:	9 kHz to 25 GHz				
Measurement Distance:	3 m				
Antenna Polarization:	Horizontal & Vertical				
Operation mode:	Transmitting mode with modulation				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value
	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		Peak	1MHz	10Hz	Average Value
Limit:	Frequency		Field Strength (microvolts/meter)		Measurement Distance (meters)
	0.009-0.490		2400/F(KHz)		300
	0.490-1.705		24000/F(KHz)		30
	1.705-30		30		30
	30-88		100		3
	88-216		150		3
	216-960		200		3
	Above 960		500		3
	Frequency		Field Strength (microvolts/meter)	Measurement Distance (meters)	Detector
	Above 1GHz		500	3	Average
		5000	3	Peak	
Test setup:	For radiated emissions below 30MHz				
					
	30MHz to 1GHz				



Above 1GHz



Test Procedure:

- For the radiated emission test below 1GHz:
The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
- For the radiated emission test above 1GHz:
Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- Corrected Reading: Antenna Factor + Cable Loss +