

	total	2412	26.22	≤30.00	PASS
	Ant0	2437	25.10	≤30.00	PASS
	Ant1	2437	25.20	≤30.00	PASS
	total	2437	28.16	≤30.00	PASS
	Ant0	2462	23.44	≤30.00	PASS
	Ant1	2462	23.75	≤30.00	PASS
	total	2462	26.61	≤30.00	PASS
11BE40MIMO	Ant0	2422	22.21	≤30.00	PASS
	Ant1	2422	22.74	≤30.00	PASS
	total	2422	25.49	≤30.00	PASS
	Ant0	2437	23.10	≤30.00	PASS
	Ant1	2437	23.23	≤30.00	PASS
	total	2437	26.18	≤30.00	PASS
	Ant0	2452	21.43	≤30.00	PASS
	Ant1	2452	21.53	≤30.00	PASS
	total	2452	24.49	≤30.00	PASS

Note: The duty cycle factor is compensated in the average conducted output power.

Beamforming

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Conducted Limit[dBm]	Verdict
11AX20MIMO	Ant0	2412	20.16	≤30.00	PASS
	Ant1	2412	20.84	≤30.00	PASS
	total	2412	23.52	≤30.00	PASS
	Ant0	2437	23.77	≤30.00	PASS
	Ant1	2437	23.74	≤30.00	PASS
	total	2437	26.77	≤30.00	PASS
	Ant0	2462	19.51	≤30.00	PASS
	Ant1	2462	19.68	≤30.00	PASS
	total	2462	22.61	≤30.00	PASS
11AX40MIMO	Ant0	2422	21.88	≤30.00	PASS
	Ant1	2422	22.10	≤30.00	PASS
	total	2422	25.00	≤30.00	PASS
	Ant0	2437	22.75	≤30.00	PASS
	Ant1	2437	22.83	≤30.00	PASS
	total	2437	25.80	≤30.00	PASS
	Ant0	2452	22.21	≤30.00	PASS
	Ant1	2452	22.35	≤30.00	PASS
	total	2452	25.29	≤30.00	PASS
11BE20MIMO	Ant0	2412	22.66	≤30.00	PASS
	Ant1	2412	23.35	≤30.00	PASS
	total	2412	26.03	≤30.00	PASS
	Ant0	2437	24.89	≤30.00	PASS
	Ant1	2437	25.17	≤30.00	PASS
	total	2437	28.04	≤30.00	PASS
	Ant0	2462	23.18	≤30.00	PASS
	Ant1	2462	23.71	≤30.00	PASS
	total	2462	26.46	≤30.00	PASS
11BE40MIMO	Ant0	2422	22.13	≤30.00	PASS
	Ant1	2422	22.68	≤30.00	PASS
	total	2422	25.42	≤30.00	PASS
	Ant0	2437	23.13	≤30.00	PASS
	Ant1	2437	23.07	≤30.00	PASS
	total	2437	26.11	≤30.00	PASS
	Ant0	2452	21.53	≤30.00	PASS
	Ant1	2452	21.60	≤30.00	PASS
	total	2452	24.58	≤30.00	PASS

Note: The duty cycle factor is compensated in the average conducted output power.

3.6 Power Spectral Density

3.6.1 Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmitting.

3.6.2 Test Procedure

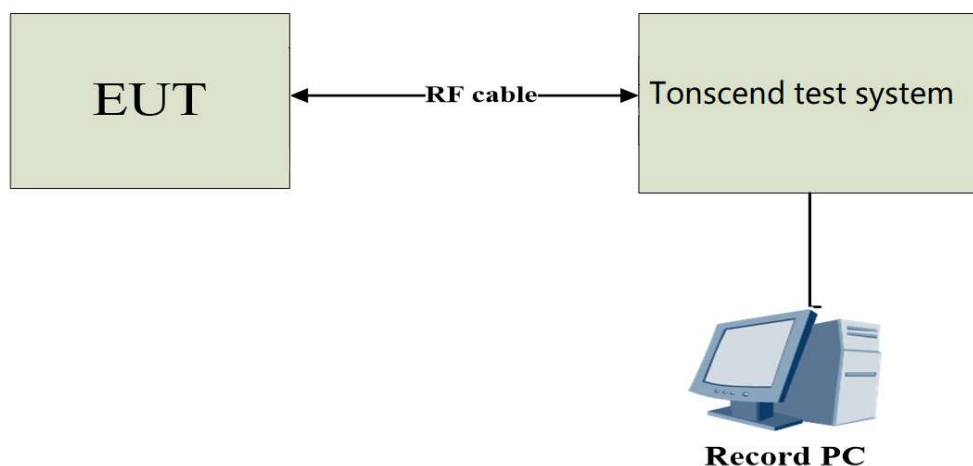
Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ● : Test ○ : No Test	

a) The EUT was directly connected to the tonscend test system and antenna output port as show in the block diagram below.

b) Spectrum analyser settings as following:

Spectrum Parameters	Setting
Span Frequency	1.5 times the DTS bandwidth
RBW	3 kHz
VBW	10 kHz
Detector	Average
Trace	Max Hold
Sweep Time	Auto

3.6.3 Test Setup



3.6.4 The Result

No beamforming

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant0	2412	-5.94	≤8.00	PASS
	Ant1	2412	-5.24	≤8.00	PASS
	total	2412	-2.57	≤8.00	PASS
	Ant0	2437	-2.30	≤8.00	PASS
	Ant1	2437	-2.49	≤8.00	PASS
	total	2437	0.62	≤8.00	PASS
	Ant0	2462	-1.27	≤8.00	PASS
	Ant1	2462	-0.29	≤8.00	PASS
	total	2462	2.26	≤8.00	PASS
11G-CDD	Ant0	2412	-6.88	≤8.00	PASS
	Ant1	2412	-6.39	≤8.00	PASS
	total	2412	-3.62	≤8.00	PASS
	Ant0	2437	-6.21	≤8.00	PASS
	Ant1	2437	-5.33	≤8.00	PASS
	total	2437	-2.74	≤8.00	PASS
	Ant0	2462	-6.24	≤8.00	PASS
	Ant1	2462	-5.85	≤8.00	PASS
	total	2462	-3.03	≤8.00	PASS
11AX20MIMO	Ant0	2412	-12.44	≤8.00	PASS
	Ant1	2412	-11.25	≤8.00	PASS
	total	2412	-8.79	≤8.00	PASS
	Ant0	2437	-8.51	≤8.00	PASS
	Ant1	2437	-8.88	≤8.00	PASS
	total	2437	-5.68	≤8.00	PASS
	Ant0	2462	-12.65	≤8.00	PASS
	Ant1	2462	-12.40	≤8.00	PASS
	total	2462	-9.51	≤8.00	PASS
11AX40MIMO	Ant0	2422	-13.56	≤8.00	PASS
	Ant1	2422	-12.55	≤8.00	PASS
	total	2422	-10.02	≤8.00	PASS
	Ant0	2437	-12.84	≤8.00	PASS
	Ant1	2437	-11.90	≤8.00	PASS
	total	2437	-9.33	≤8.00	PASS
	Ant0	2452	-13.17	≤8.00	PASS
	Ant1	2452	-12.99	≤8.00	PASS
	total	2452	-10.07	≤8.00	PASS
11BE20MIMO	Ant0	2412	-9.42	≤8.00	PASS
	Ant1	2412	-8.26	≤8.00	PASS
	total	2412	-5.79	≤8.00	PASS

	Ant0	2437	-6.78	≤8.00	PASS
	Ant1	2437	-6.80	≤8.00	PASS
	total	2437	-3.78	≤8.00	PASS
	Ant0	2462	-8.76	≤8.00	PASS
	Ant1	2462	-7.97	≤8.00	PASS
	total	2462	-5.34	≤8.00	PASS
11BE40MIMO	Ant0	2422	-13.19	≤8.00	PASS
	Ant1	2422	-12.49	≤8.00	PASS
	total	2422	-9.82	≤8.00	PASS
	Ant0	2437	-12.55	≤8.00	PASS
	Ant1	2437	-11.25	≤8.00	PASS
	total	2437	-8.84	≤8.00	PASS
	Ant0	2452	-14.21	≤8.00	PASS
	Ant1	2452	-13.95	≤8.00	PASS
	total	2452	-11.07	≤8.00	PASS

Note: The duty cycle factor is compensated in the graph.

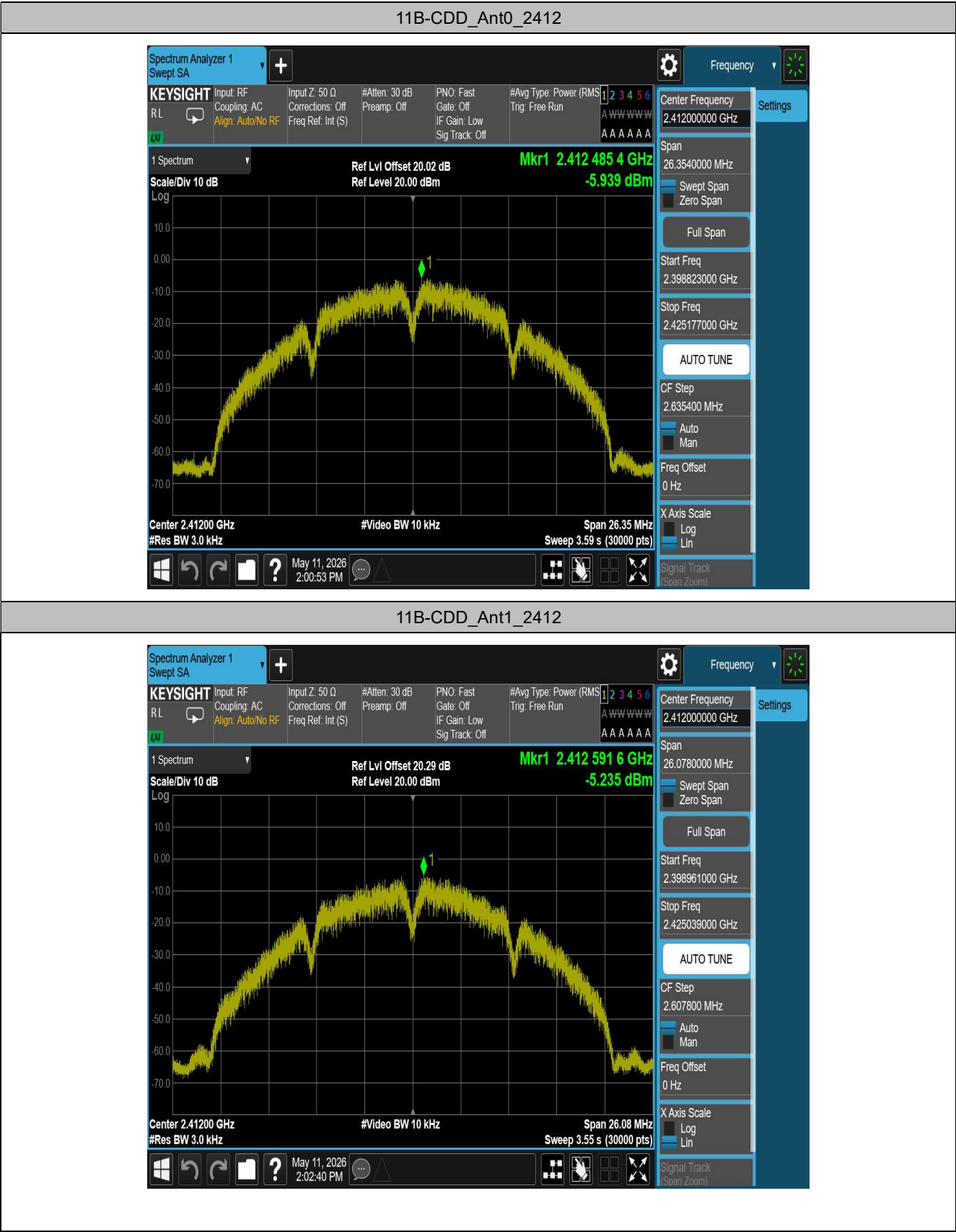
Beamforming

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11AX20MIMO	Ant0	2412	-12.42	≤8.00	PASS
	Ant1	2412	-10.81	≤8.00	PASS
	total	2412	-8.53	≤8.00	PASS
	Ant0	2437	-8.07	≤8.00	PASS
	Ant1	2437	-8.07	≤8.00	PASS
	total	2437	-5.06	≤8.00	PASS
	Ant0	2462	-12.81	≤8.00	PASS
	Ant1	2462	-12.16	≤8.00	PASS
	total	2462	-9.46	≤8.00	PASS
11AX40MIMO	Ant0	2422	-12.85	≤8.00	PASS
	Ant1	2422	-13.14	≤8.00	PASS
	total	2422	-9.98	≤8.00	PASS
	Ant0	2437	-12.46	≤8.00	PASS
	Ant1	2437	-12.44	≤8.00	PASS
	total	2437	-9.44	≤8.00	PASS
	Ant0	2452	-13.36	≤8.00	PASS
	Ant1	2452	-13.31	≤8.00	PASS
	total	2452	-10.32	≤8.00	PASS
11BE20MIMO	Ant0	2412	-9.83	≤8.00	PASS
	Ant1	2412	-8.81	≤8.00	PASS
	total	2412	-6.28	≤8.00	PASS
	Ant0	2437	-7.44	≤8.00	PASS
	Ant1	2437	-7.47	≤8.00	PASS
	total	2437	-4.44	≤8.00	PASS
	Ant0	2462	-8.44	≤8.00	PASS
	Ant1	2462	-8.71	≤8.00	PASS
	total	2462	-5.56	≤8.00	PASS
11BE40MIMO	Ant0	2422	-13.39	≤8.00	PASS
	Ant1	2422	-12.16	≤8.00	PASS
	total	2422	-9.72	≤8.00	PASS
	Ant0	2437	-12.15	≤8.00	PASS
	Ant1	2437	-11.89	≤8.00	PASS
	total	2437	-9.01	≤8.00	PASS
	Ant0	2452	-13.96	≤8.00	PASS
	Ant1	2452	-13.61	≤8.00	PASS
	total	2452	-10.77	≤8.00	PASS

Note: The duty cycle factor is compensated in the graph.

Test Graphs

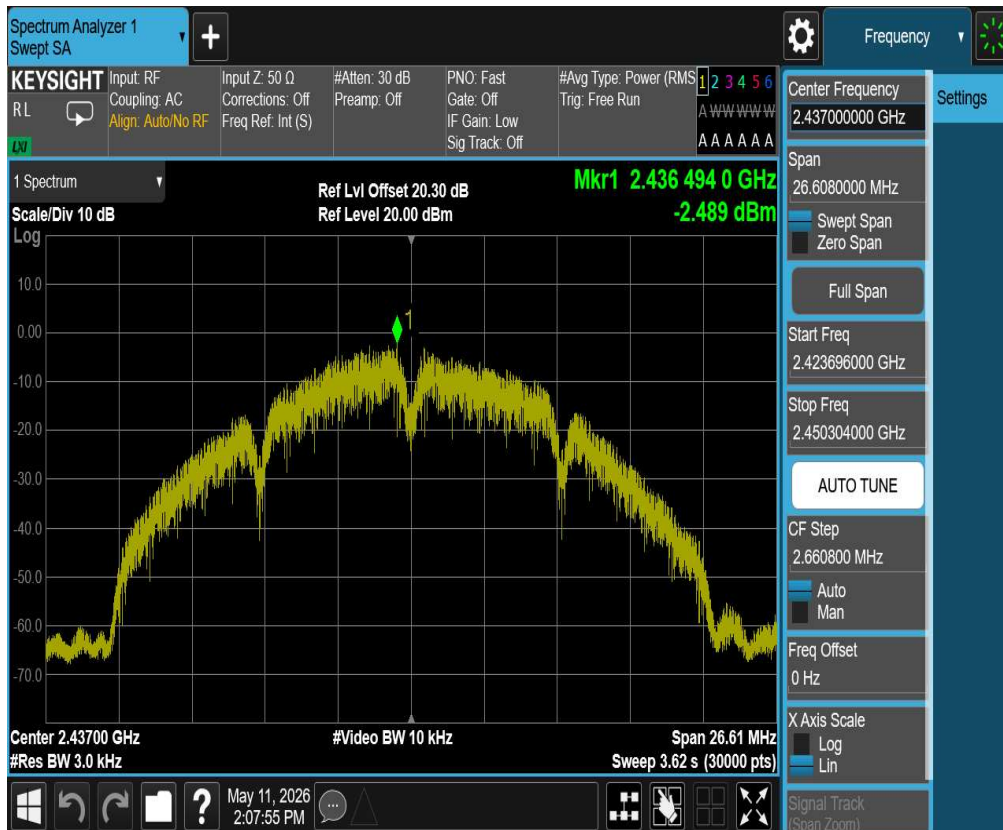
No beamforming



11B-CDD_Ant0_2437



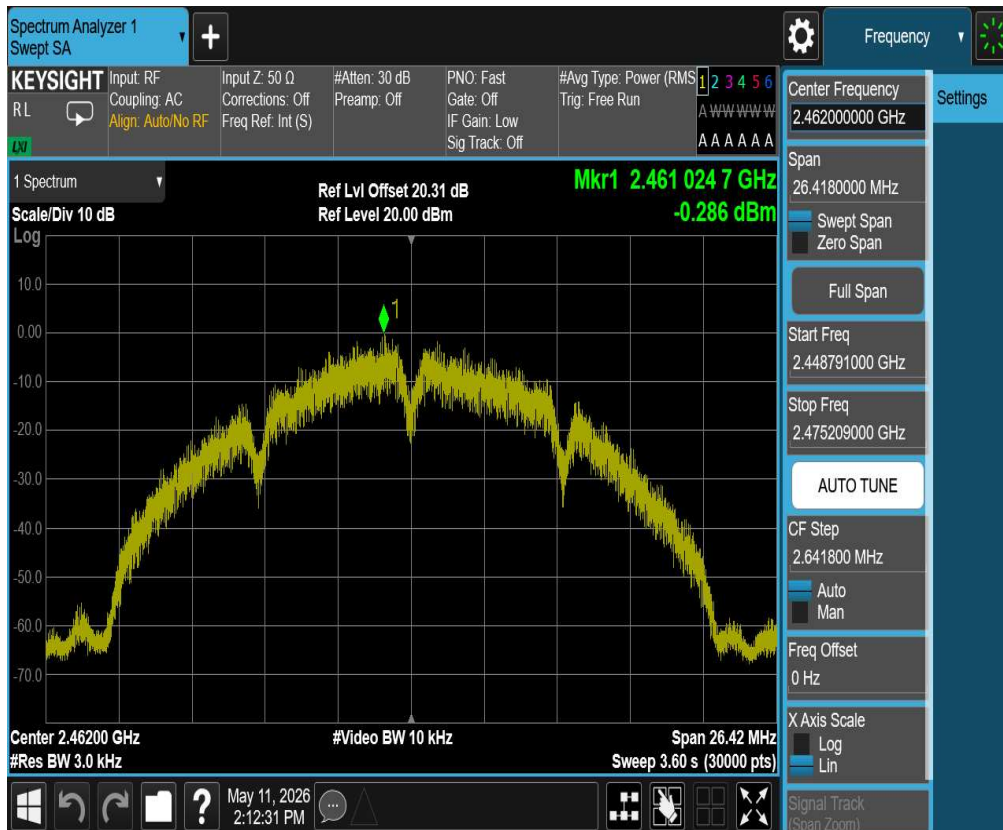
11B-CDD_Ant1_2437



11B-CDD_Ant0_2462



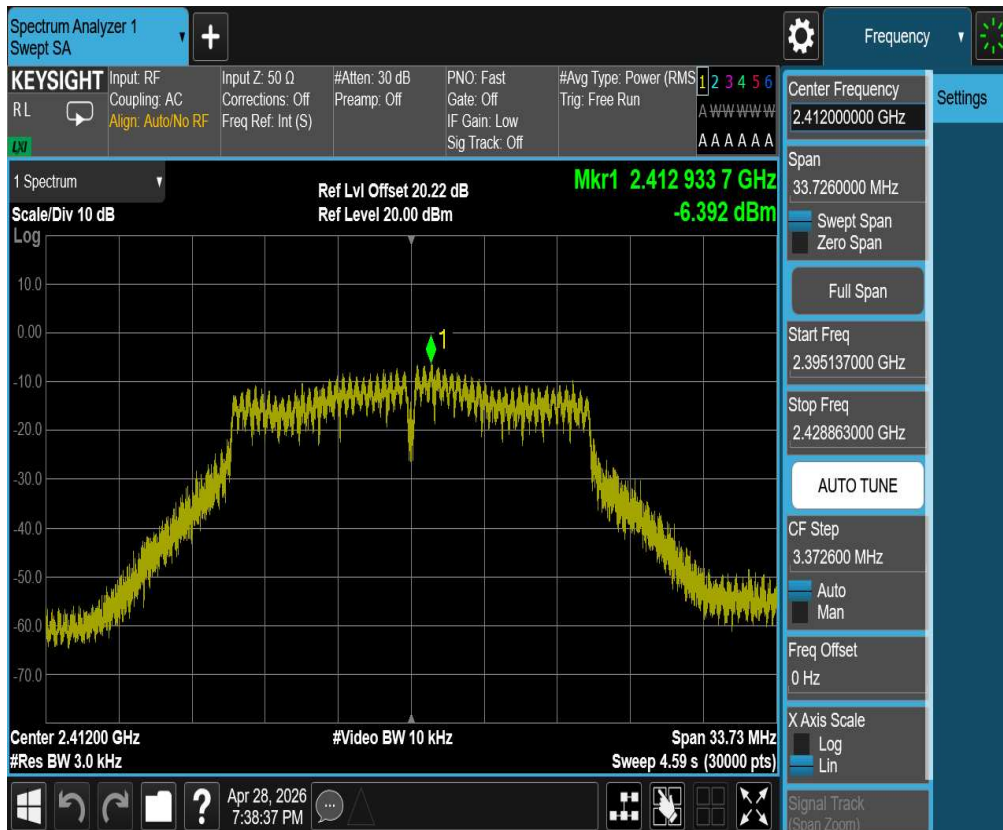
11B-CDD_Ant1_2462



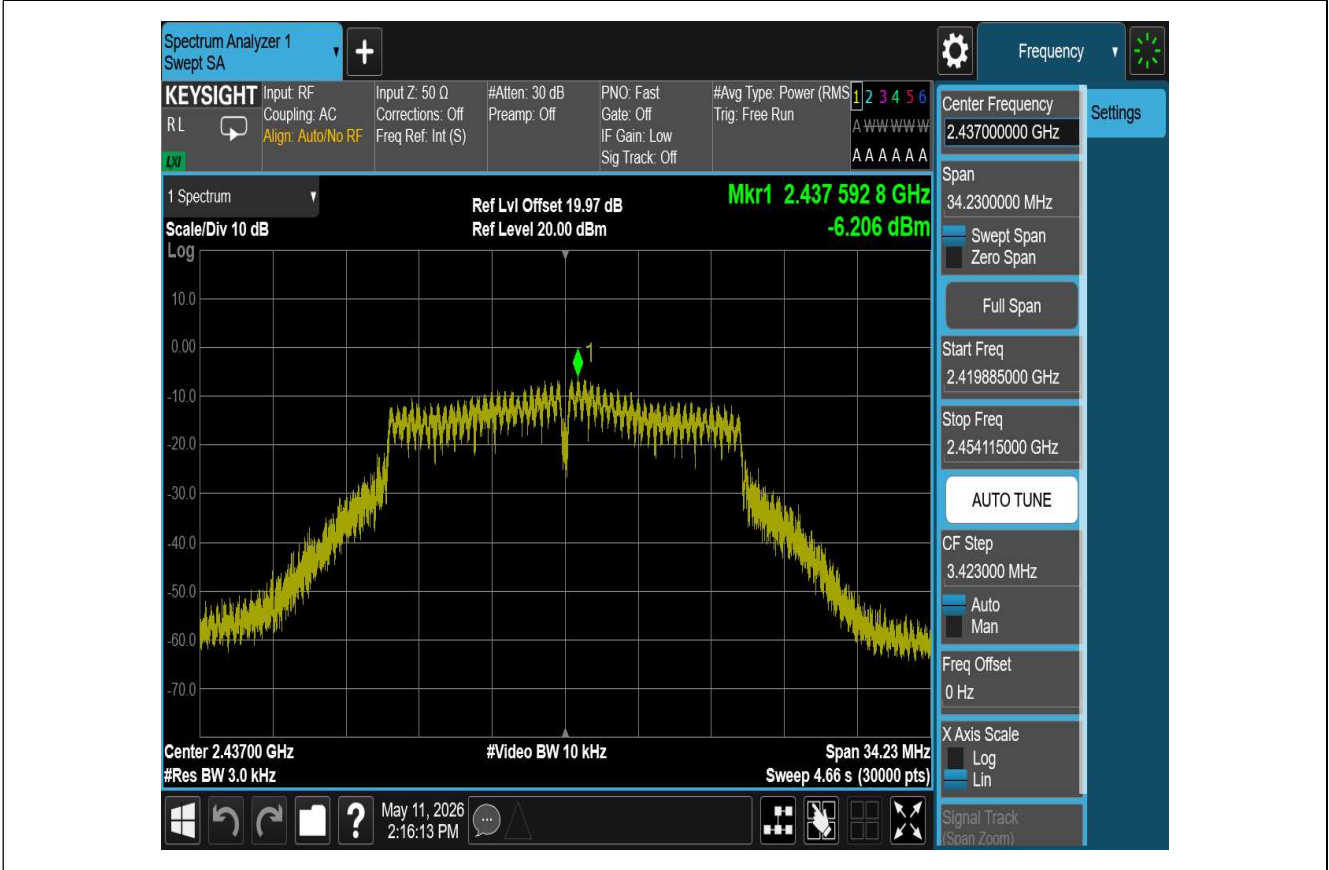
11G-CDD_Ant0_2412



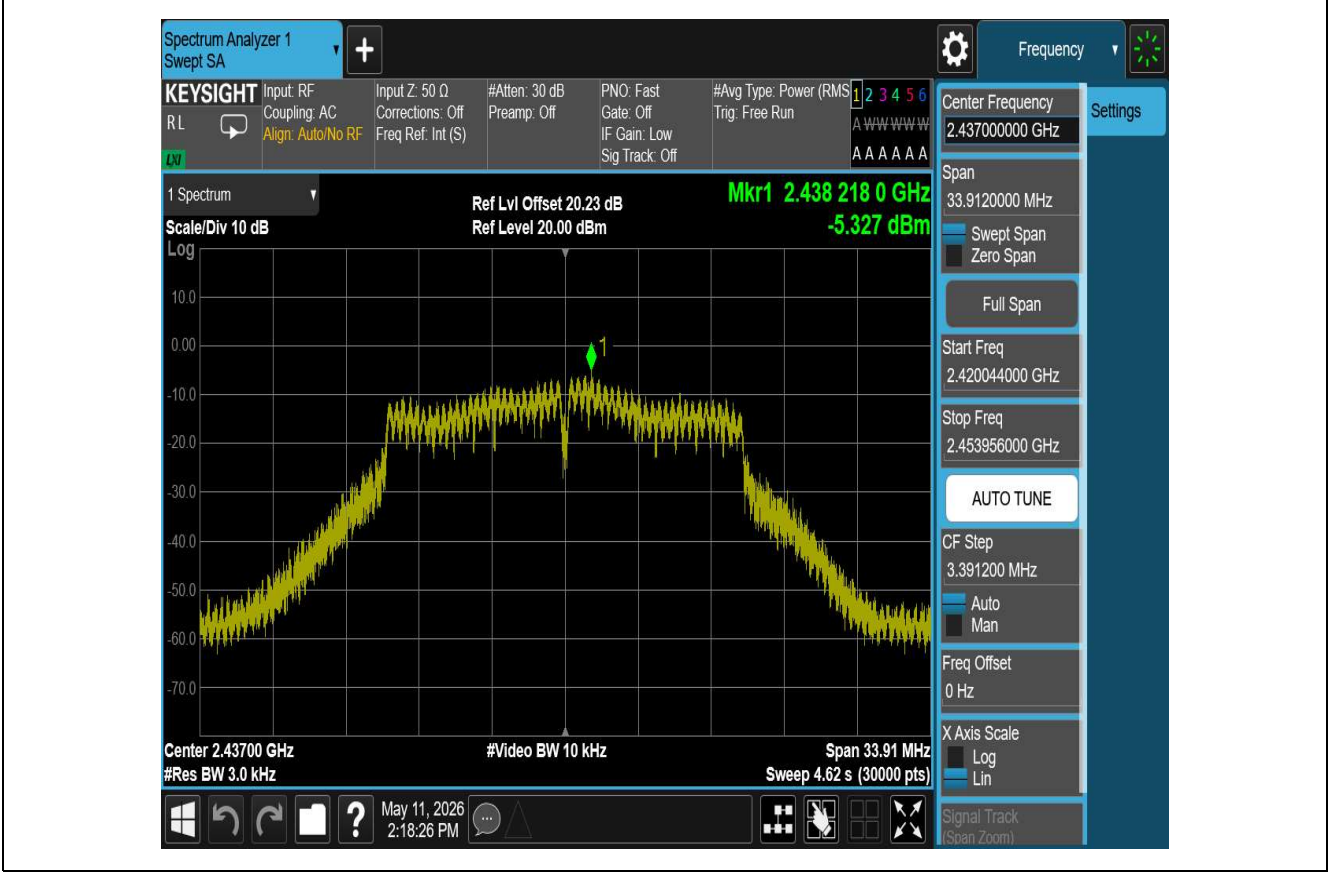
11G-CDD_Ant1_2412



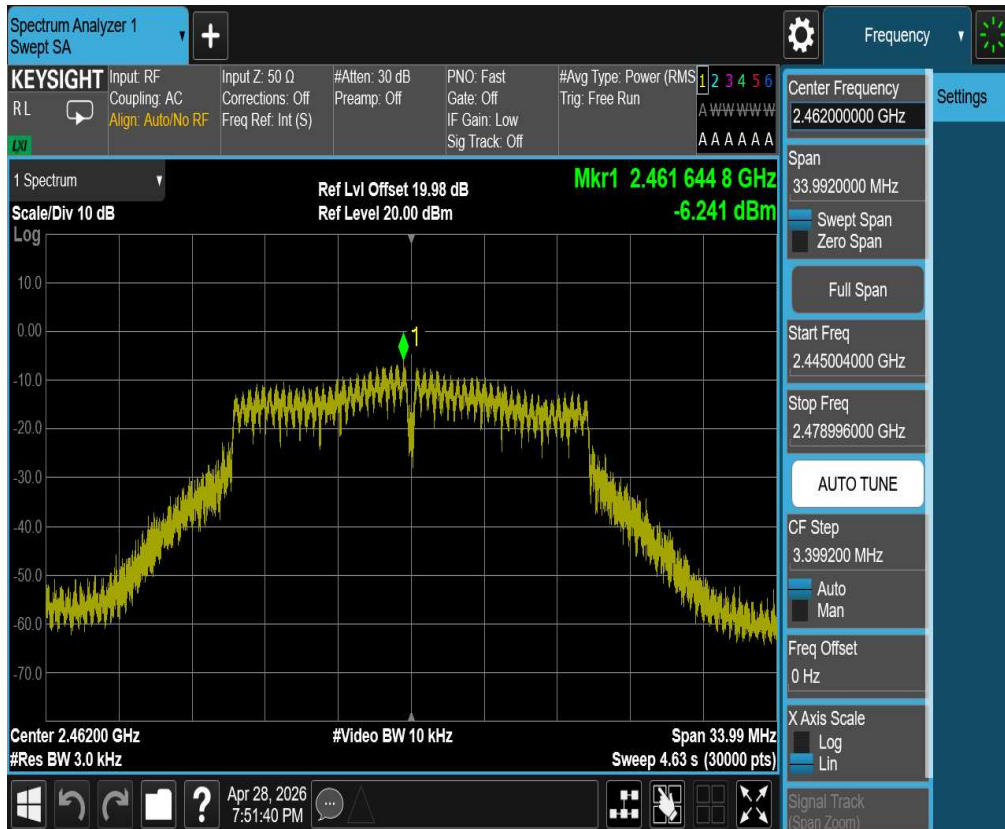
11G-CDD_Ant0_2437



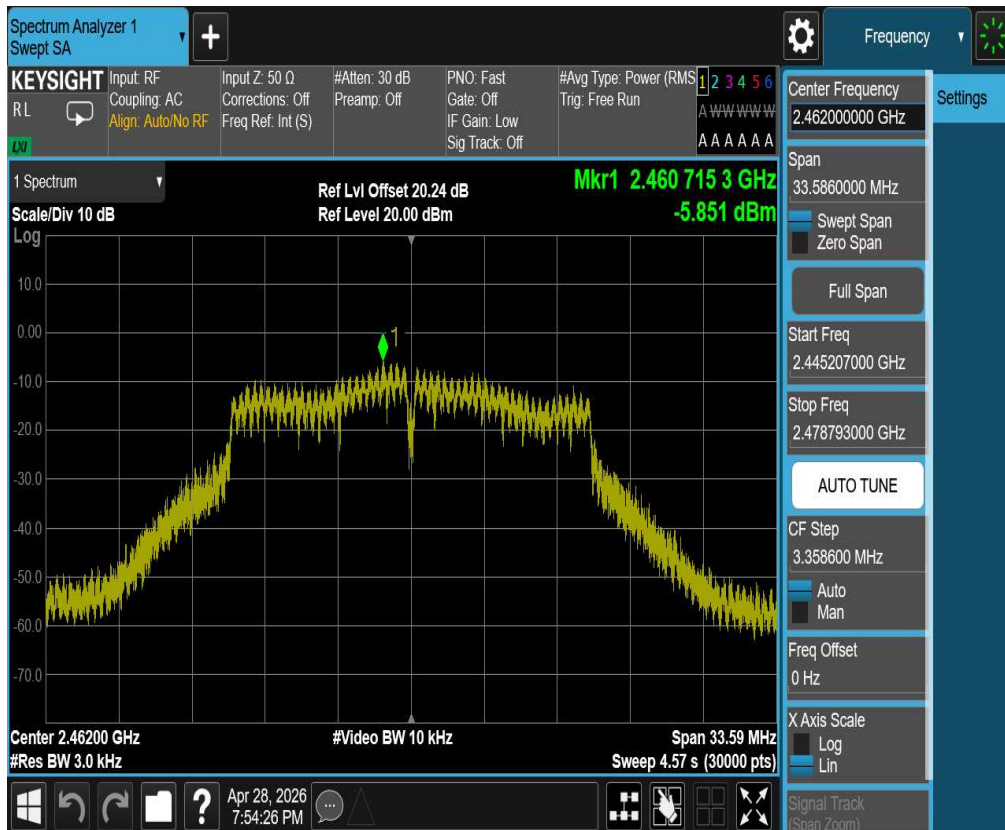
11G-CDD_Ant1_2437



11G-CDD_Ant0_2462



11G-CDD_Ant1_2462



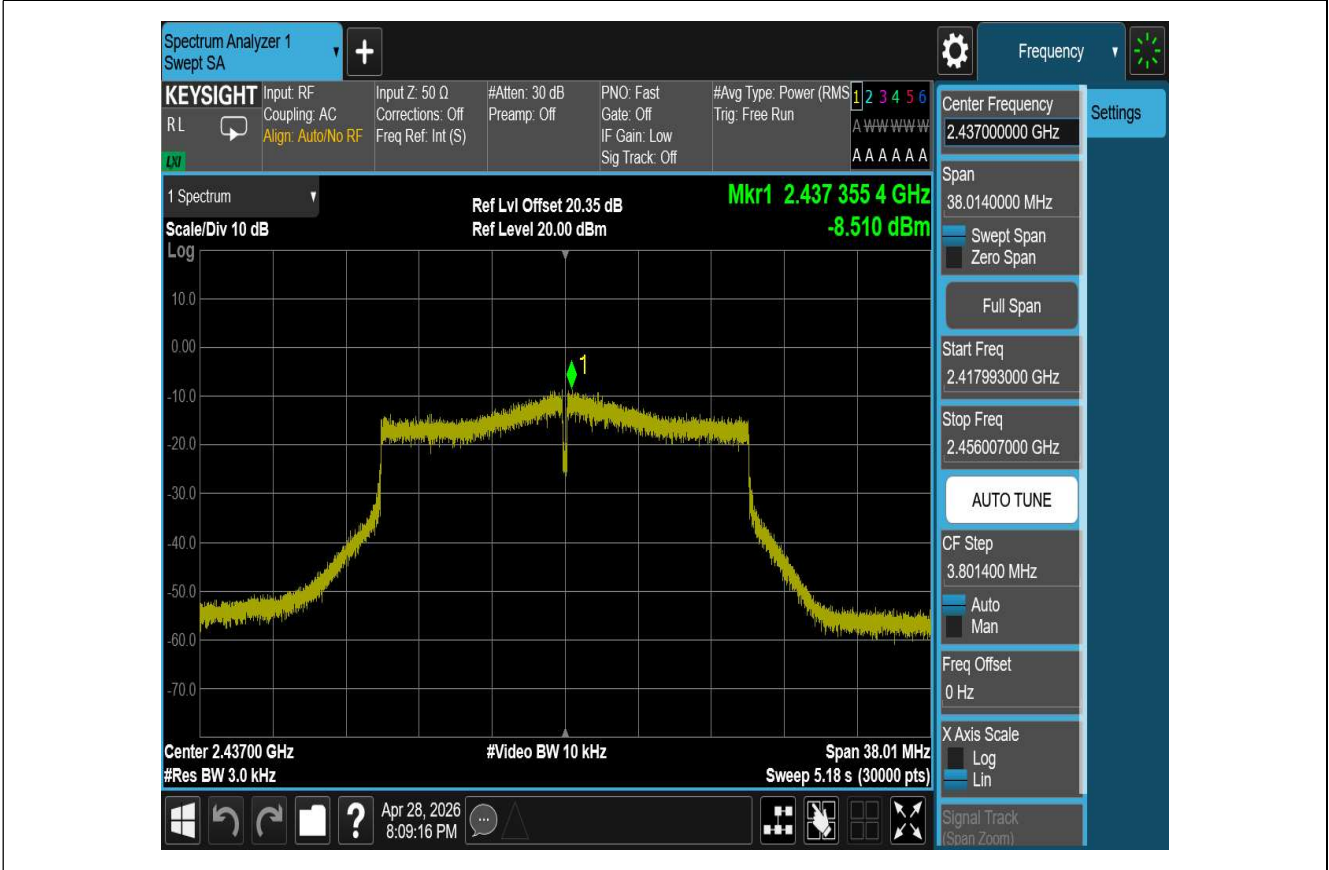
11AX20MIMO_Ant0_2412



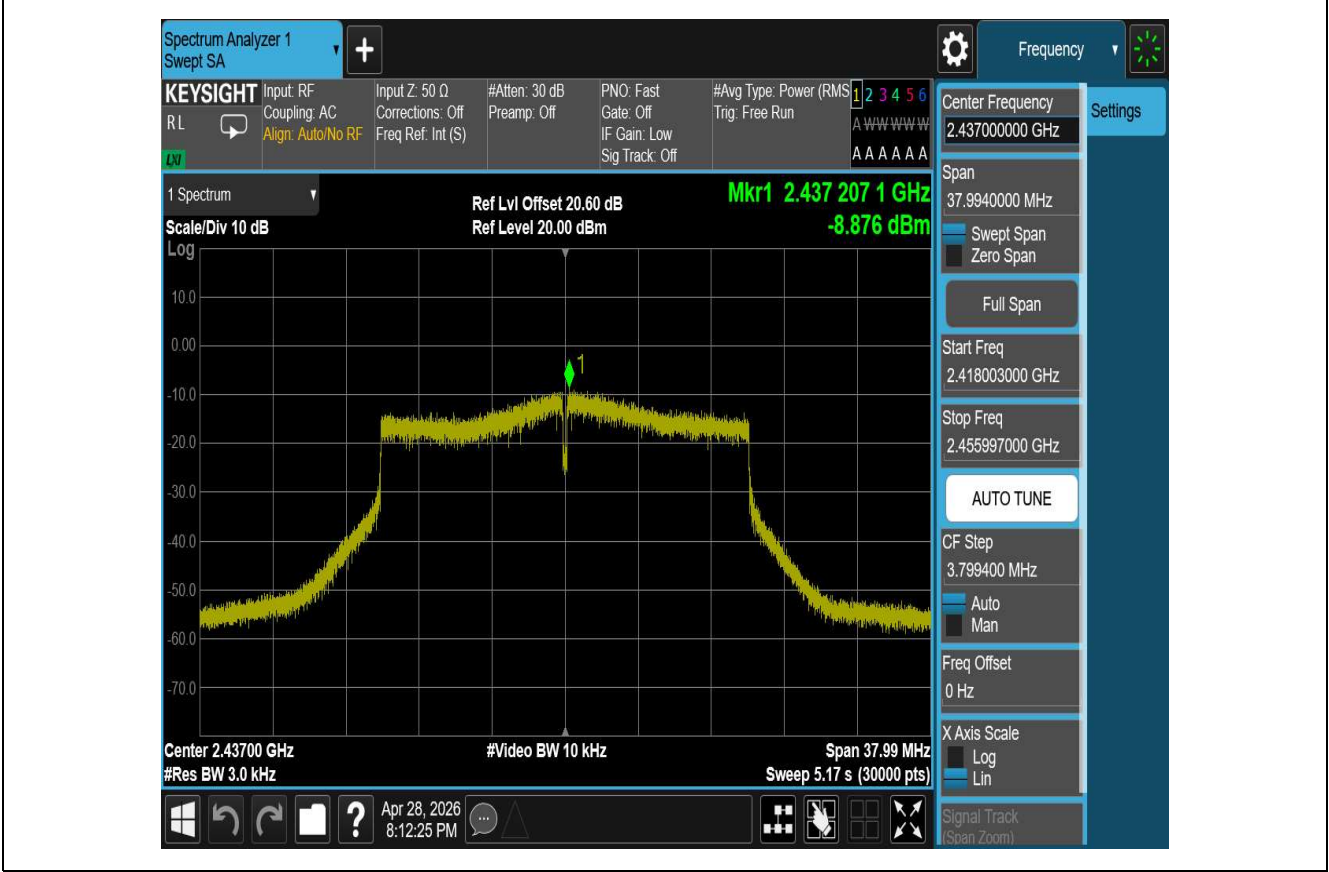
11AX20MIMO_Ant1_2412



11AX20MIMO_Ant0_2437



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant0_2462



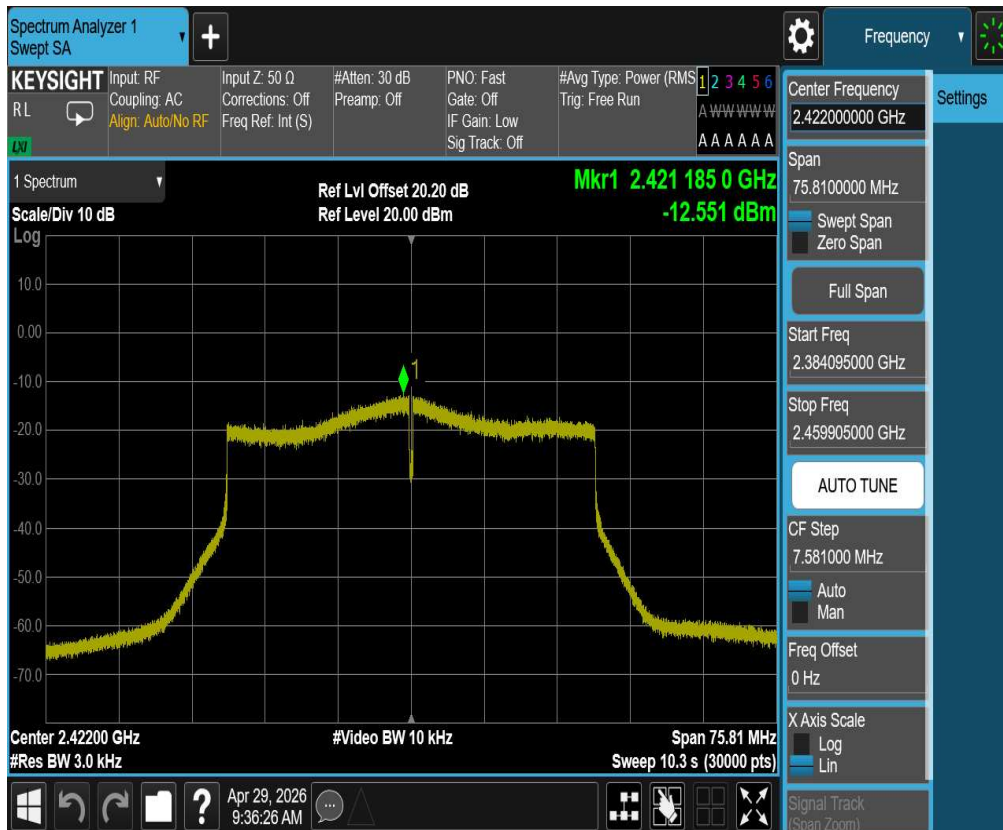
11AX20MIMO_Ant1_2462



11AX40MIMO_Ant0_2422



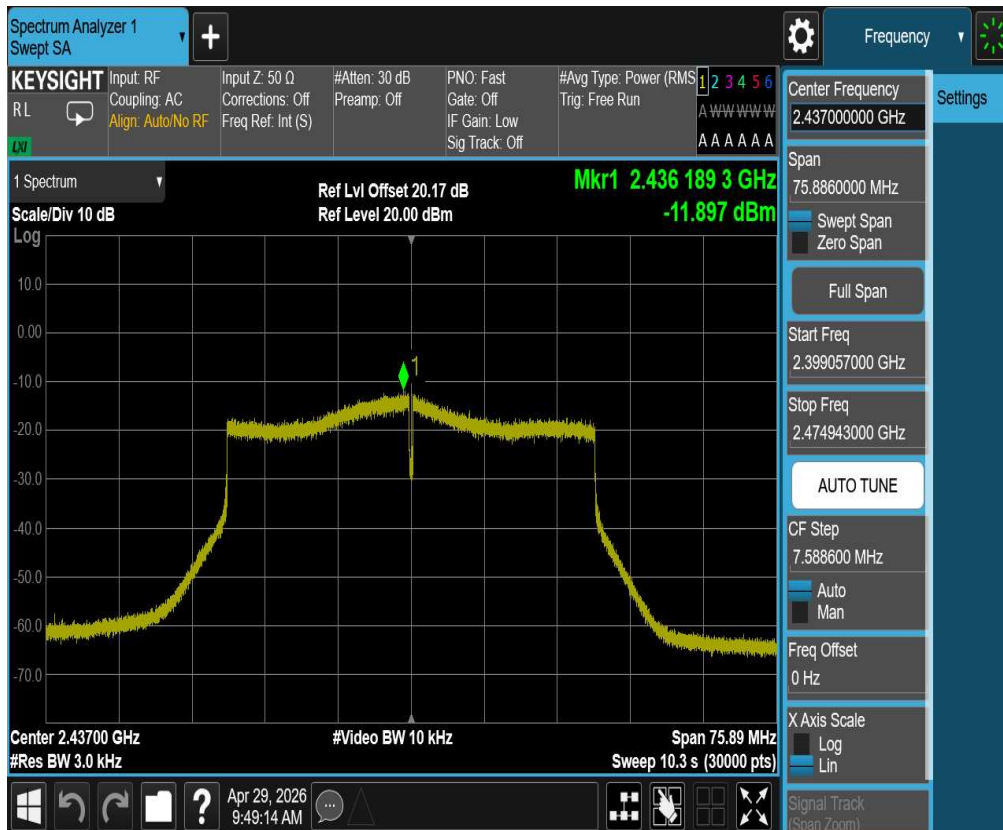
11AX40MIMO_Ant1_2422



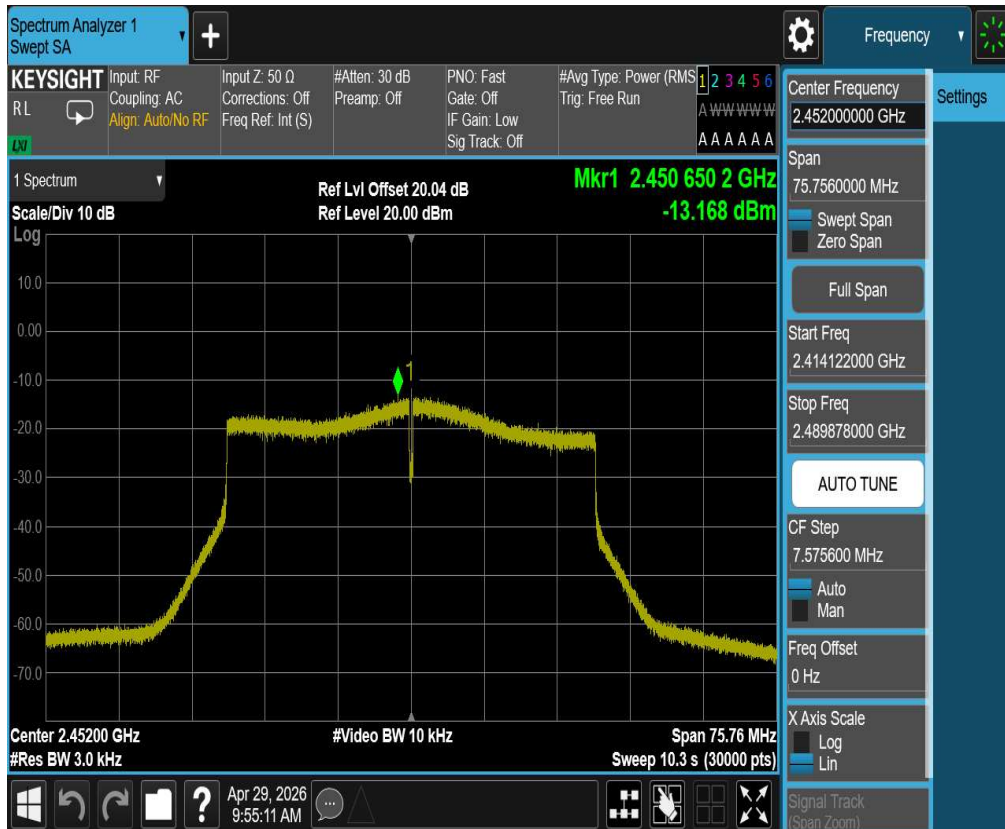
11AX40MIMO_Ant0_2437



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant0_2452



11AX40MIMO_Ant1_2452



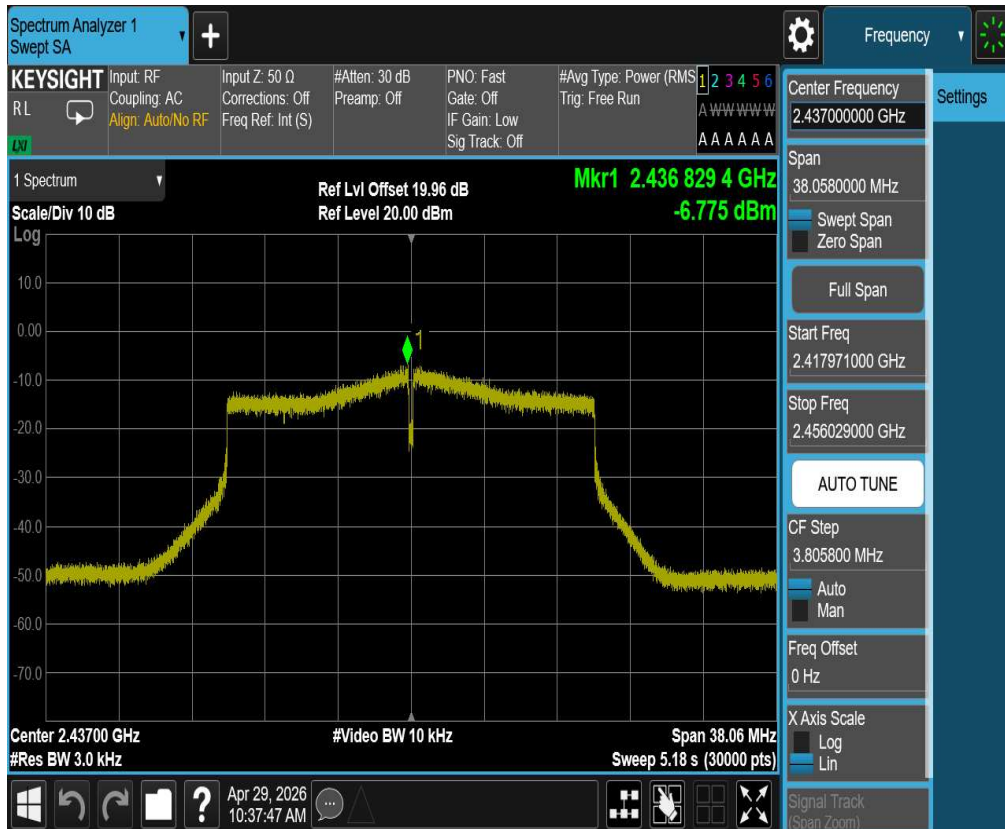
11BE20MIMO_Ant0_2412



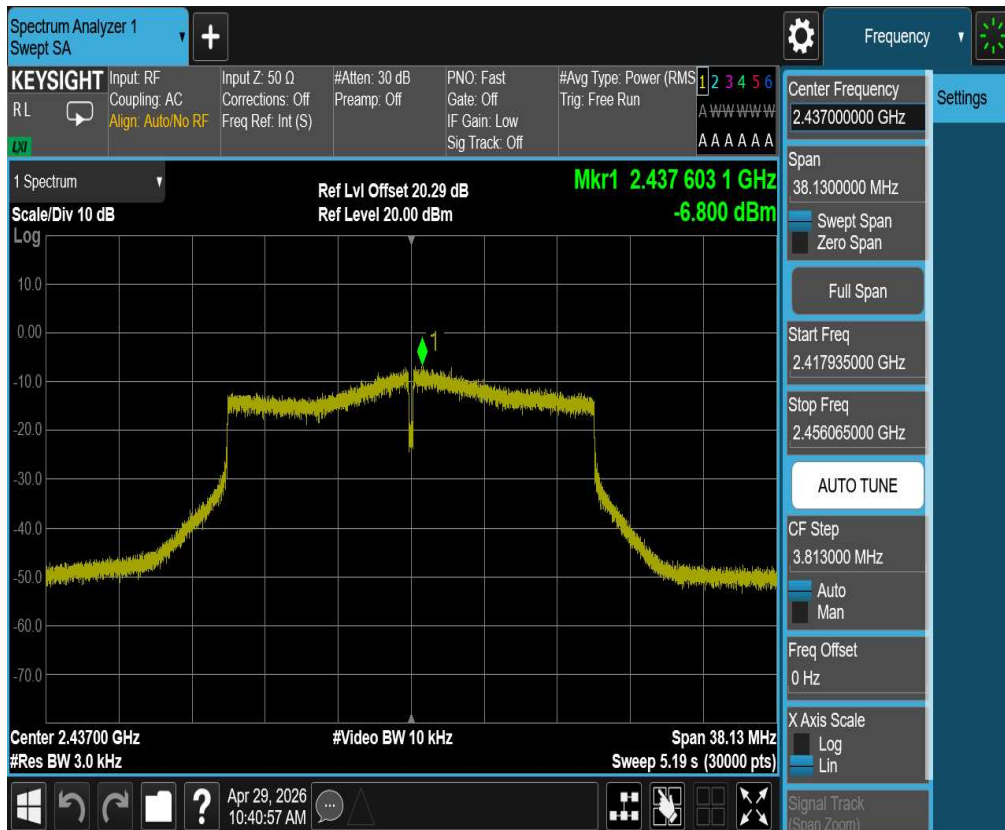
11BE20MIMO_Ant1_2412



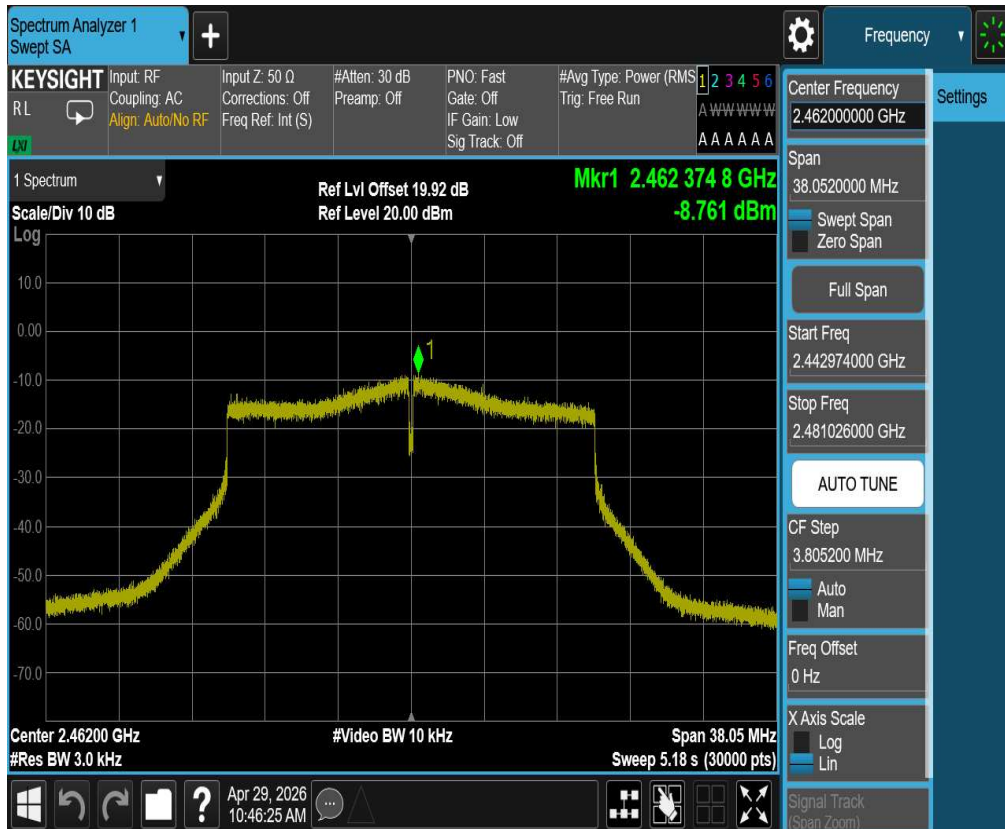
11BE20MIMO_Ant0_2437



11BE20MIMO_Ant1_2437



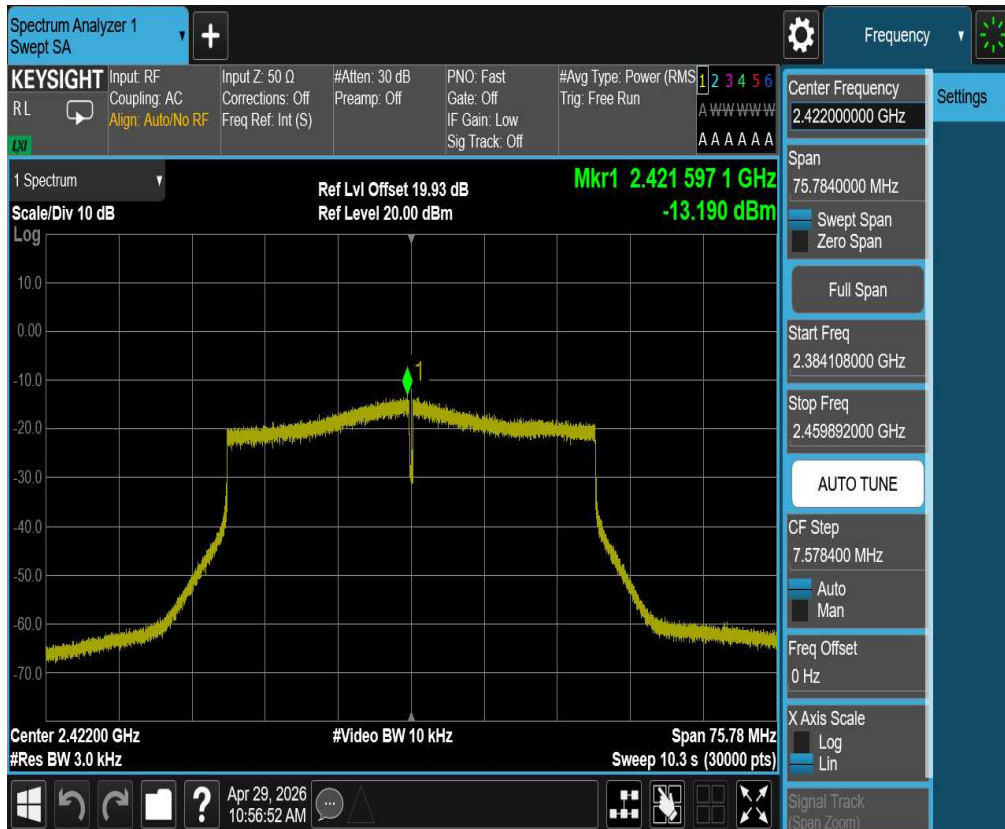
11BE20MIMO_Ant0_2462



11BE20MIMO_Ant1_2462



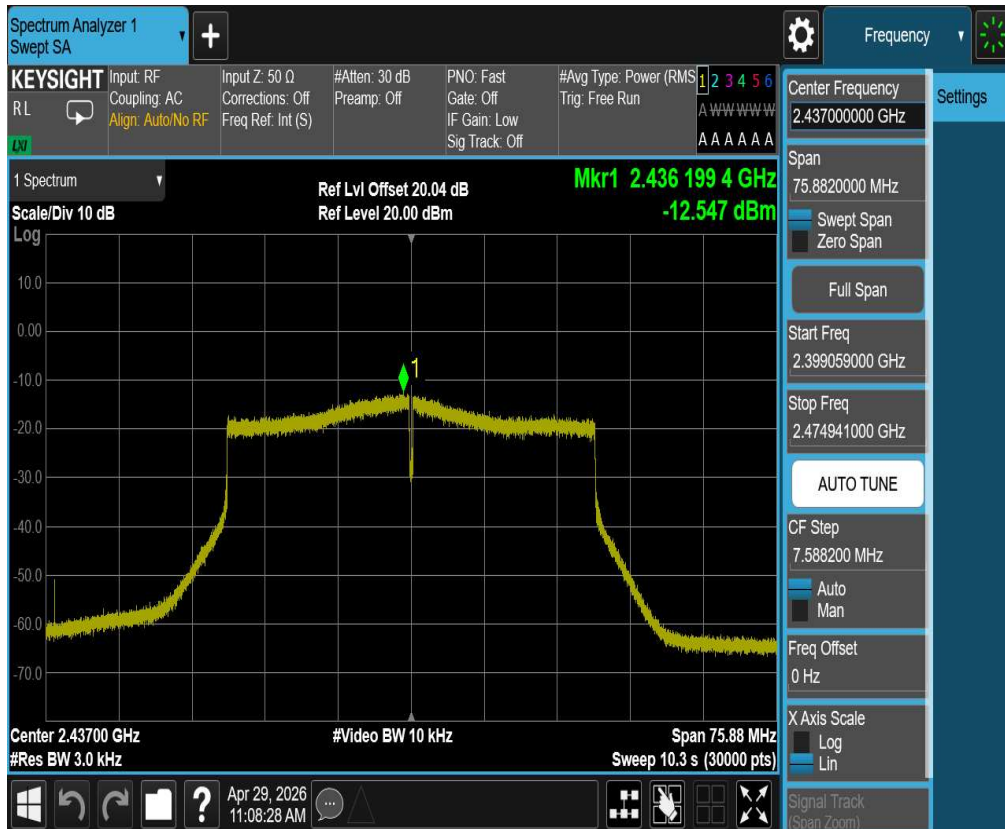
11BE40MIMO_Ant0_2422



11BE40MIMO_Ant1_2422



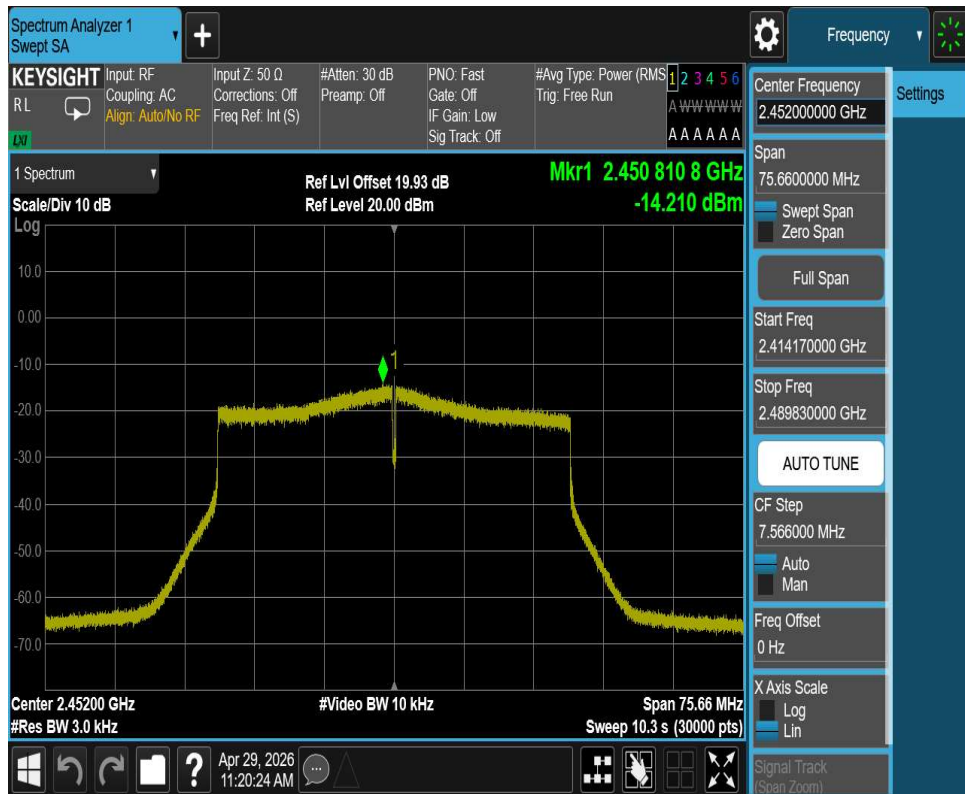
11BE40MIMO_Ant0_2437



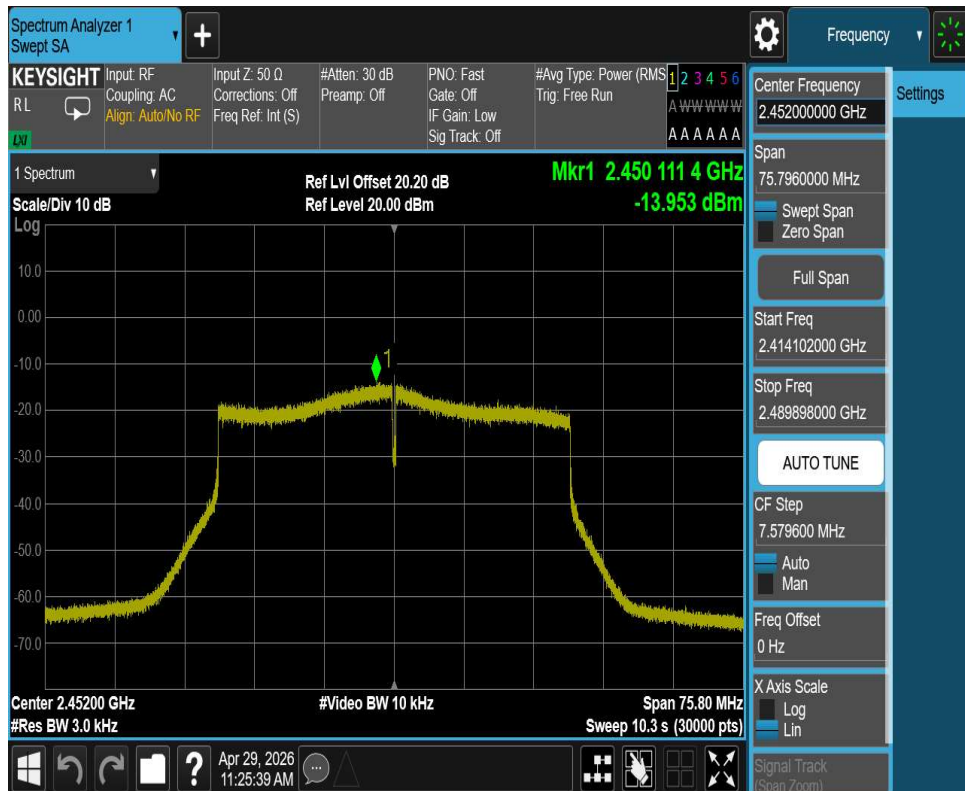
11BE40MIMO_Ant1_2437



11BE40MIMO_Ant0_2452



11BE40MIMO_Ant1_2452



Beamforming

11AX20MIMO_Ant0_2412



11AX20MIMO_Ant1_2412

