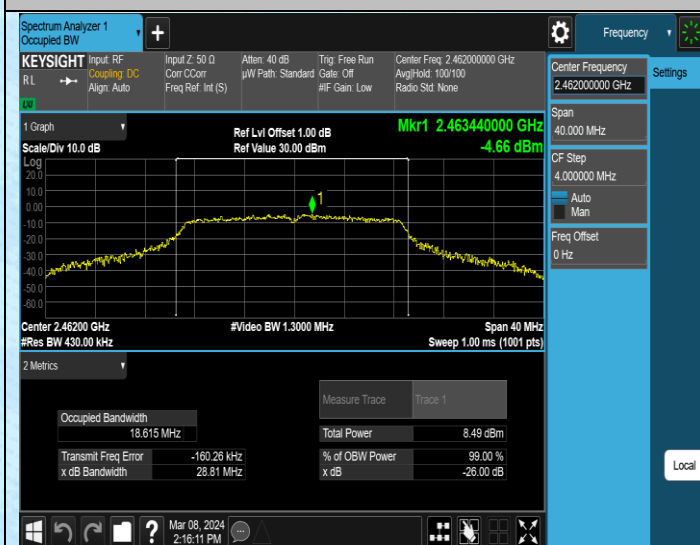
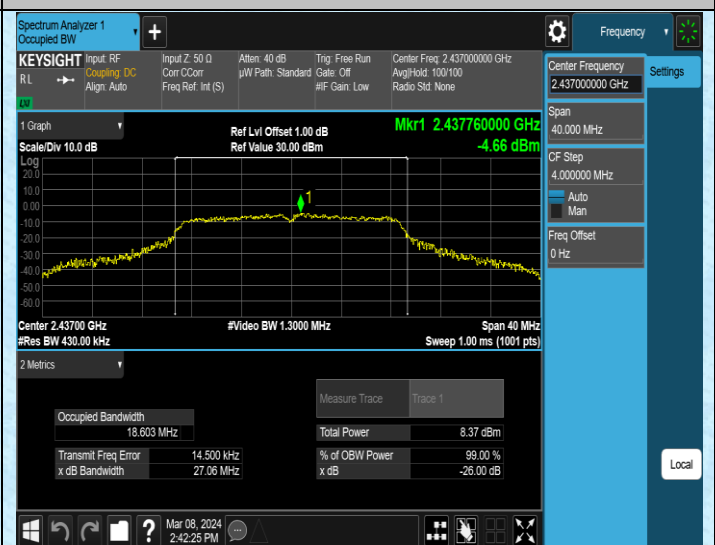
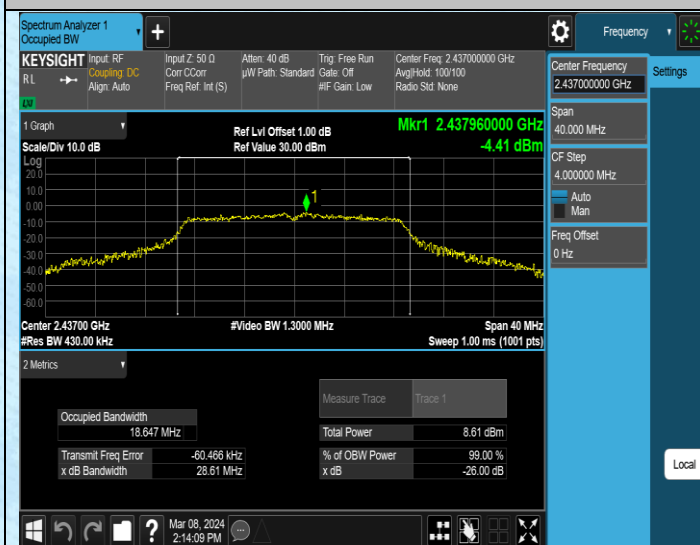
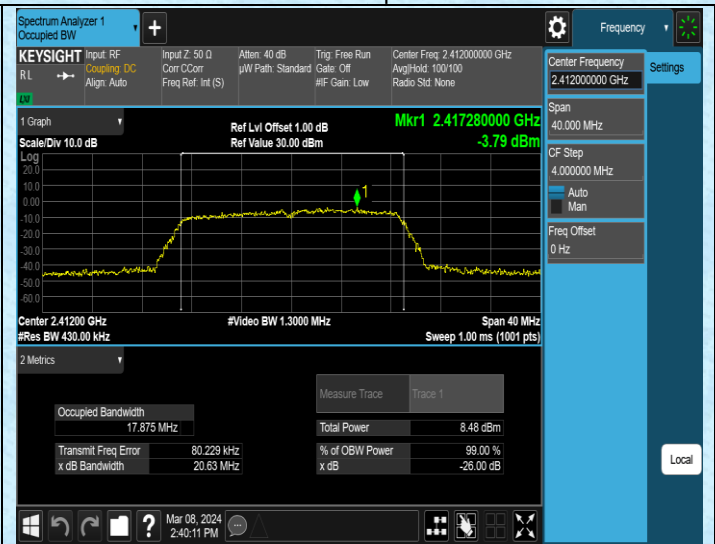
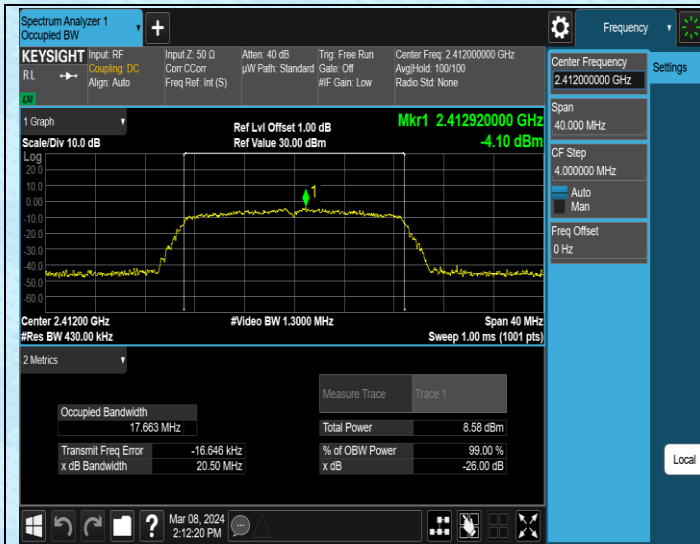
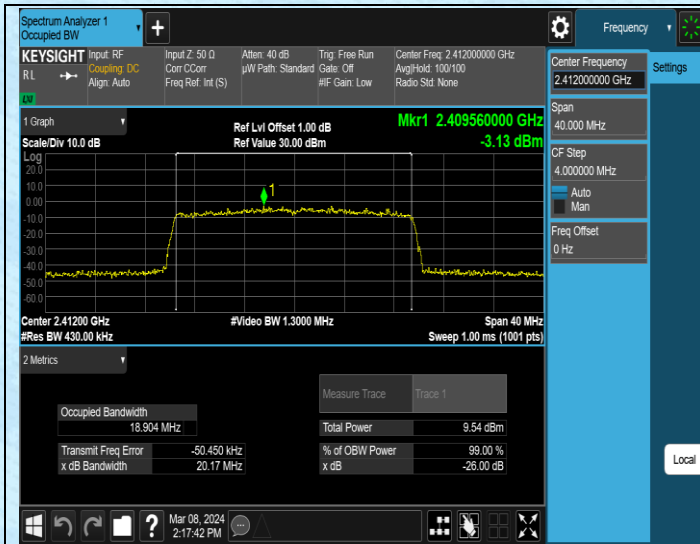
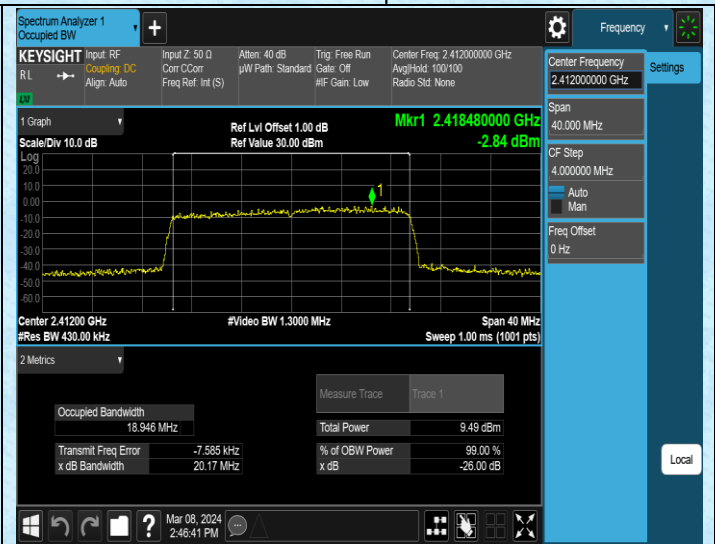


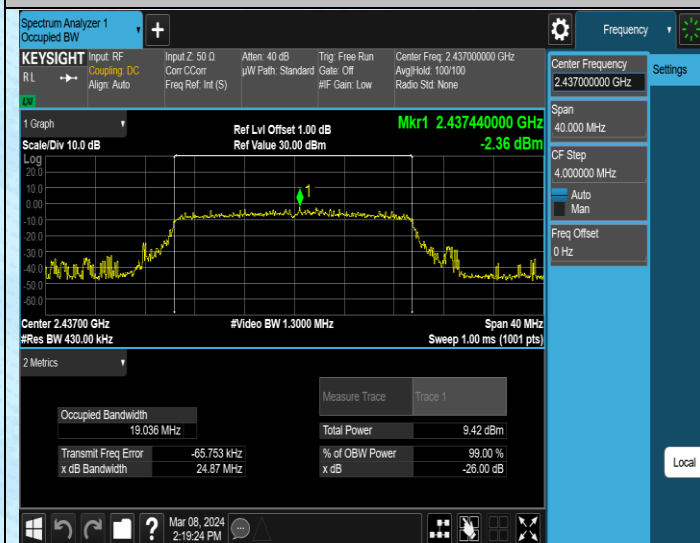




11AX20SISO-Ant1-2412



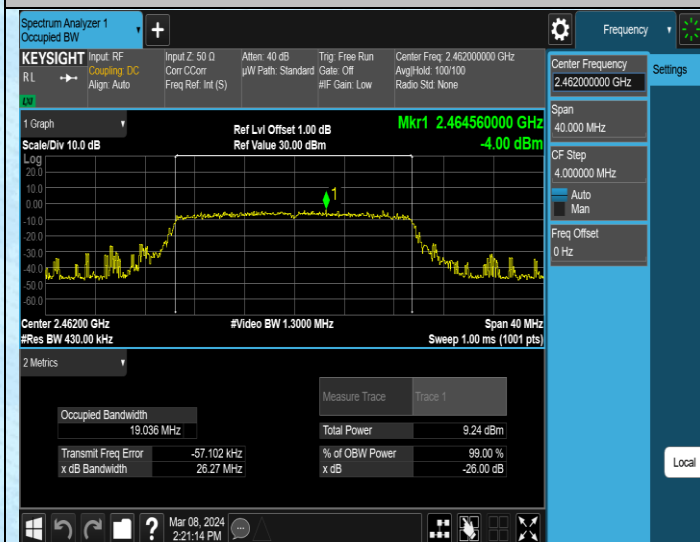
11AX20SISO-Ant2-2412



11AX20SISO-Ant1-2437



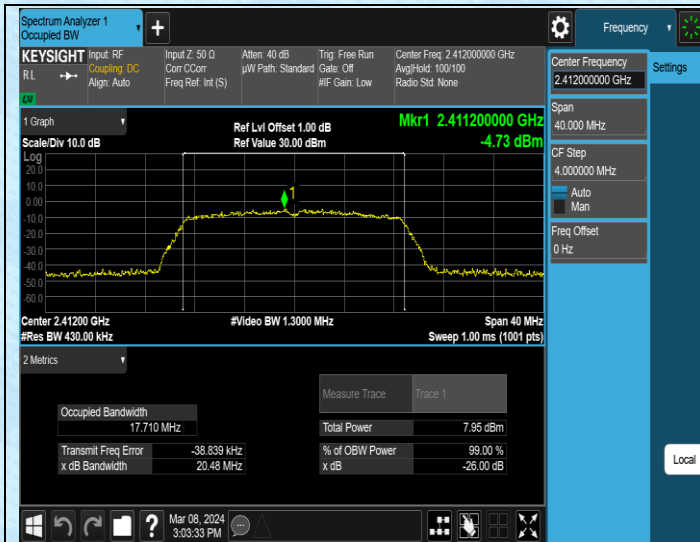
11AX20SISO-Ant2-2437



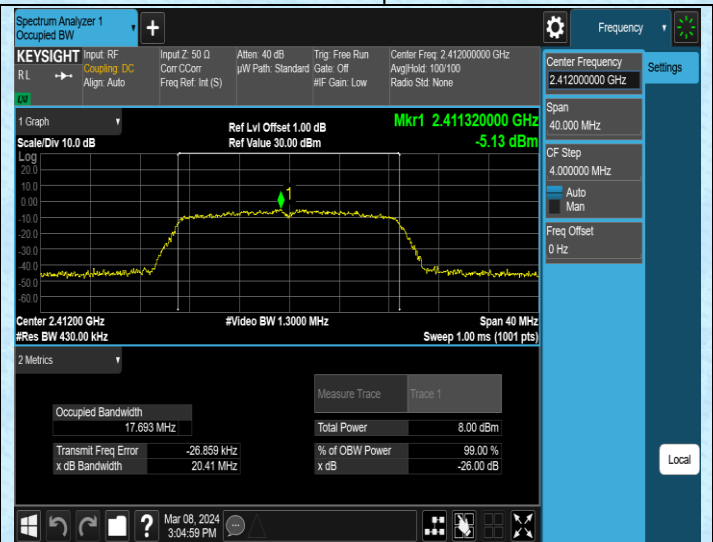
11AX20SISO-Ant1-2462



11AX20SISO-Ant2-2462



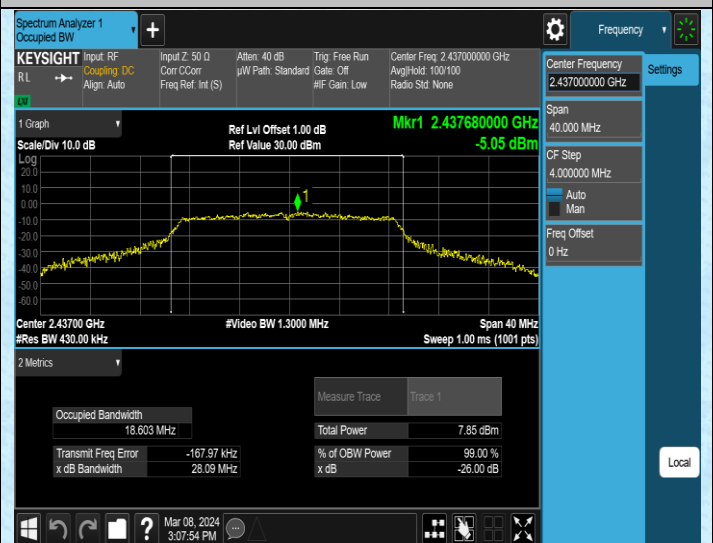
11N20MIMO-Ant1-2412



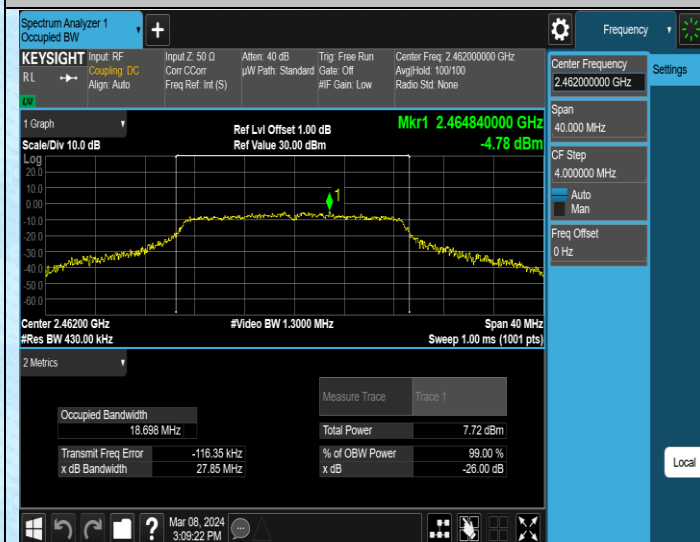
11N20MIMO-Ant2-2412



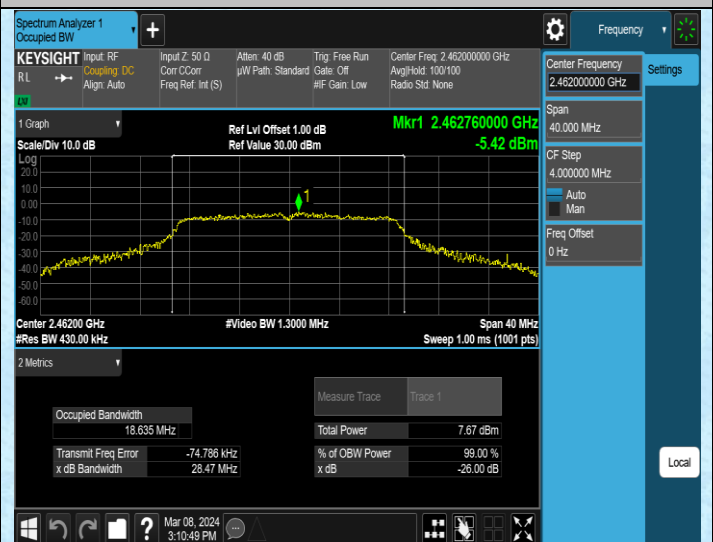
11N20MIMO-Ant1-2437



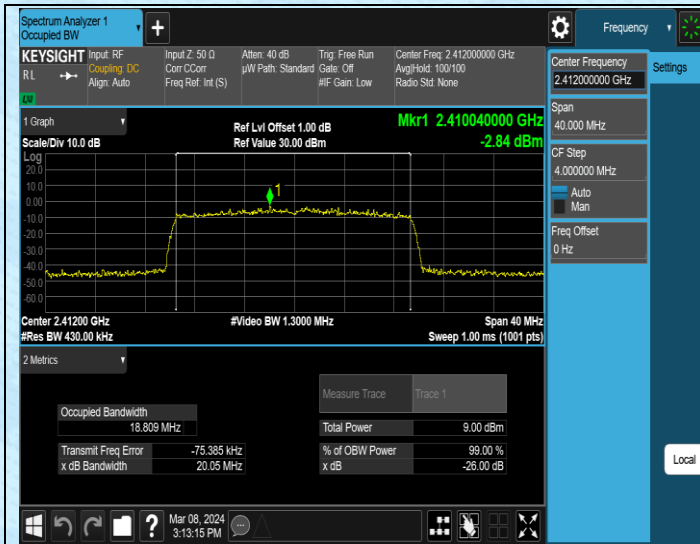
11N20MIMO-Ant2-2437



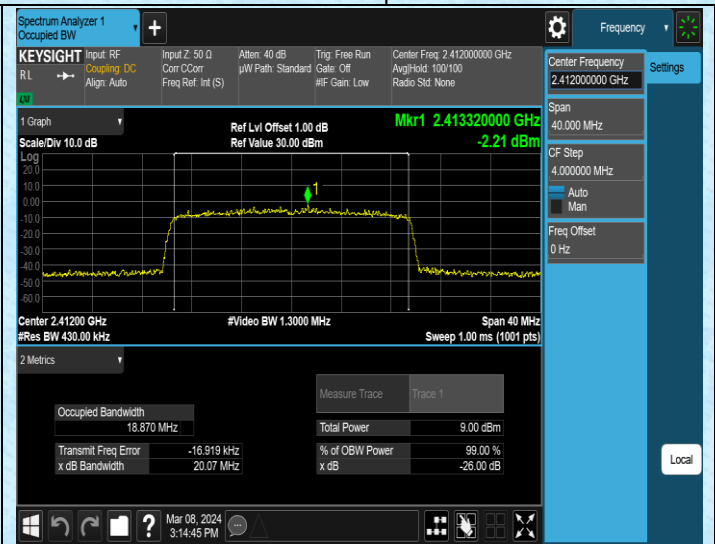
11N20MIMO-Ant1-2462



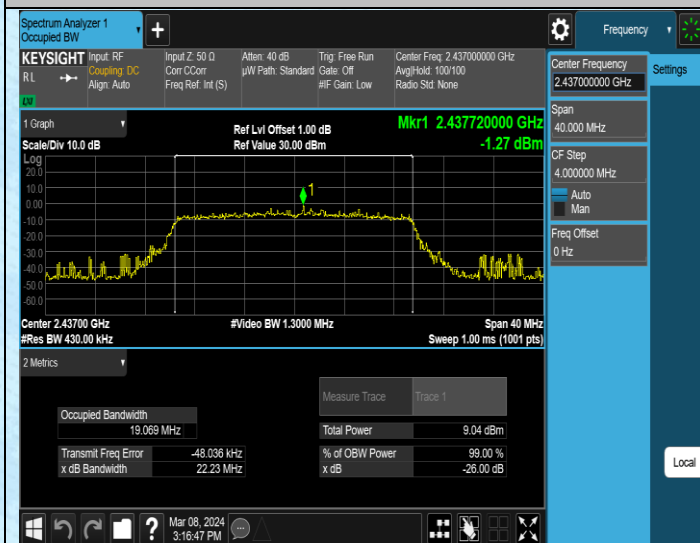
11N20MIMO-Ant2-2462



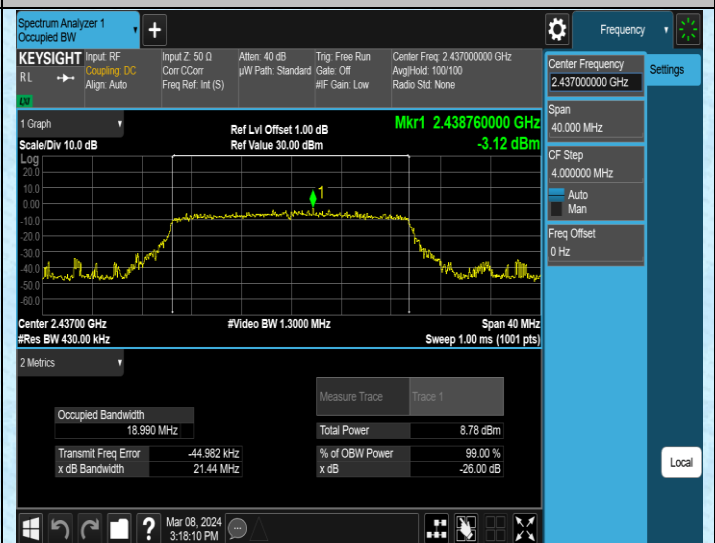
11AX20MIMO-Ant1-2412



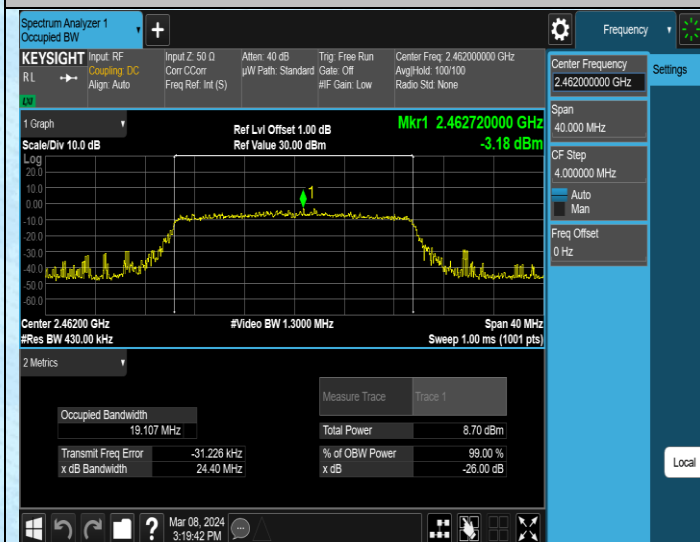
11AX20MIMO-Ant2-2412



11AX20MIMO-Ant1-2437



11AX20MIMO-Ant2-2437



11AX20MIMO-Ant1-2462



11AX20MIMO-Ant2-2462

AppendixC: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Rate	Peak Power[dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11B	Ant1	2412	1Mbps	10.49	≤28.70	7.30	17.79	PASS
11B	Ant2	2412	1Mbps	10.27	≤28.50	7.50	17.77	PASS
11B	Ant1	2437	1Mbps	10.37	≤28.70	7.30	17.67	PASS
11B	Ant2	2437	1Mbps	10.16	≤28.50	7.50	17.66	PASS
11B	Ant1	2462	1Mbps	10.22	≤28.70	7.30	17.52	PASS
11B	Ant2	2462	1Mbps	10.19	≤28.50	7.50	17.69	PASS
11G	Ant1	2412	6Mbps	10.45	≤28.70	7.30	17.75	PASS
11G	Ant2	2412	6Mbps	10.58	≤28.50	7.50	18.08	PASS
11G	Ant1	2437	6Mbps	10.69	≤28.70	7.30	17.99	PASS
11G	Ant2	2437	6Mbps	10.34	≤28.50	7.50	17.84	PASS
11G	Ant1	2462	6Mbps	10.59	≤28.70	7.30	17.89	PASS
11G	Ant2	2462	6Mbps	10.50	≤28.50	7.50	18.00	PASS
11N20SISO	Ant1	2412	MCS0	9.91	≤28.70	7.30	17.21	PASS
11N20SISO	Ant2	2412	MCS0	9.72	≤28.50	7.50	17.22	PASS
11N20SISO	Ant1	2437	MCS0	9.50	≤28.70	7.30	16.80	PASS
11N20SISO	Ant2	2437	MCS0	9.37	≤28.50	7.50	16.87	PASS
11N20SISO	Ant1	2462	MCS0	9.91	≤28.70	7.30	17.21	PASS
11N20SISO	Ant2	2462	MCS0	9.41	≤28.50	7.50	16.91	PASS
11AX20SISO	Ant1	2412	MCS0	9.95	≤28.70	7.30	17.25	PASS
11AX20SISO	Ant2	2412	MCS0	10.03	≤28.50	7.50	17.53	PASS
11AX20SISO	Ant1	2437	MCS0	9.82	≤28.70	7.30	17.12	PASS
11AX20SISO	Ant2	2437	MCS0	9.87	≤28.50	7.50	17.37	PASS
11AX20SISO	Ant1	2462	MCS0	9.92	≤28.70	7.30	17.22	PASS
11AX20SISO	Ant2	2462	MCS0	9.60	≤28.50	7.50	17.10	PASS
11N20MIMO	Ant1	2412	MCS0	9.07	≤28.70	7.30	16.37	PASS
11N20MIMO	Ant2	2412	MCS0	9.05	≤28.50	7.50	16.55	PASS
11N20MIMO	total	2412	MCS0	12.07	≤25.59	10.41	22.48	PASS
11N20MIMO	Ant1	2437	MCS0	8.87	≤28.70	7.30	16.17	PASS
11N20MIMO	Ant2	2437	MCS0	8.63	≤28.50	7.50	16.13	PASS
11N20MIMO	total	2437	MCS0	11.76	≤25.59	10.41	22.17	PASS
11N20MIMO	Ant1	2462	MCS0	8.99	≤28.70	7.30	16.29	PASS
11N20MIMO	Ant2	2462	MCS0	8.99	≤28.50	7.50	16.49	PASS
11N20MIMO	total	2462	MCS0	12.00	≤25.59	10.41	22.41	PASS
11AX20MIMO	Ant1	2412	MCS0	9.45	≤28.70	7.30	16.75	PASS
11AX20MIMO	Ant2	2412	MCS0	9.21	≤28.50	7.50	16.71	PASS
11AX20MIMO	total	2412	MCS0	12.34	≤25.59	10.41	22.75	PASS
11AX20MIMO	Ant1	2437	MCS0	9.00	≤28.70	7.30	16.30	PASS

11AX20MIMO	Ant2	2437	MCS0	9.00	≤28.50	7.50	16.50	PASS
11AX20MIMO	total	2437	MCS0	12.01	≤25.59	10.41	22.42	PASS
11AX20MIMO	Ant1	2462	MCS0	9.20	≤28.70	7.30	16.50	PASS
11AX20MIMO	Ant2	2462	MCS0	8.67	≤28.50	7.50	16.17	PASS
11AX20MIMO	total	2462	MCS0	11.95	≤25.59	10.41	22.36	PASS

*FCC CFR Title 47 Part 15 Subpart C Section 15.247(b)(4):

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

So MIMO limit: $30 - (10.41 - 6) = 25.59 \text{ dBm}$

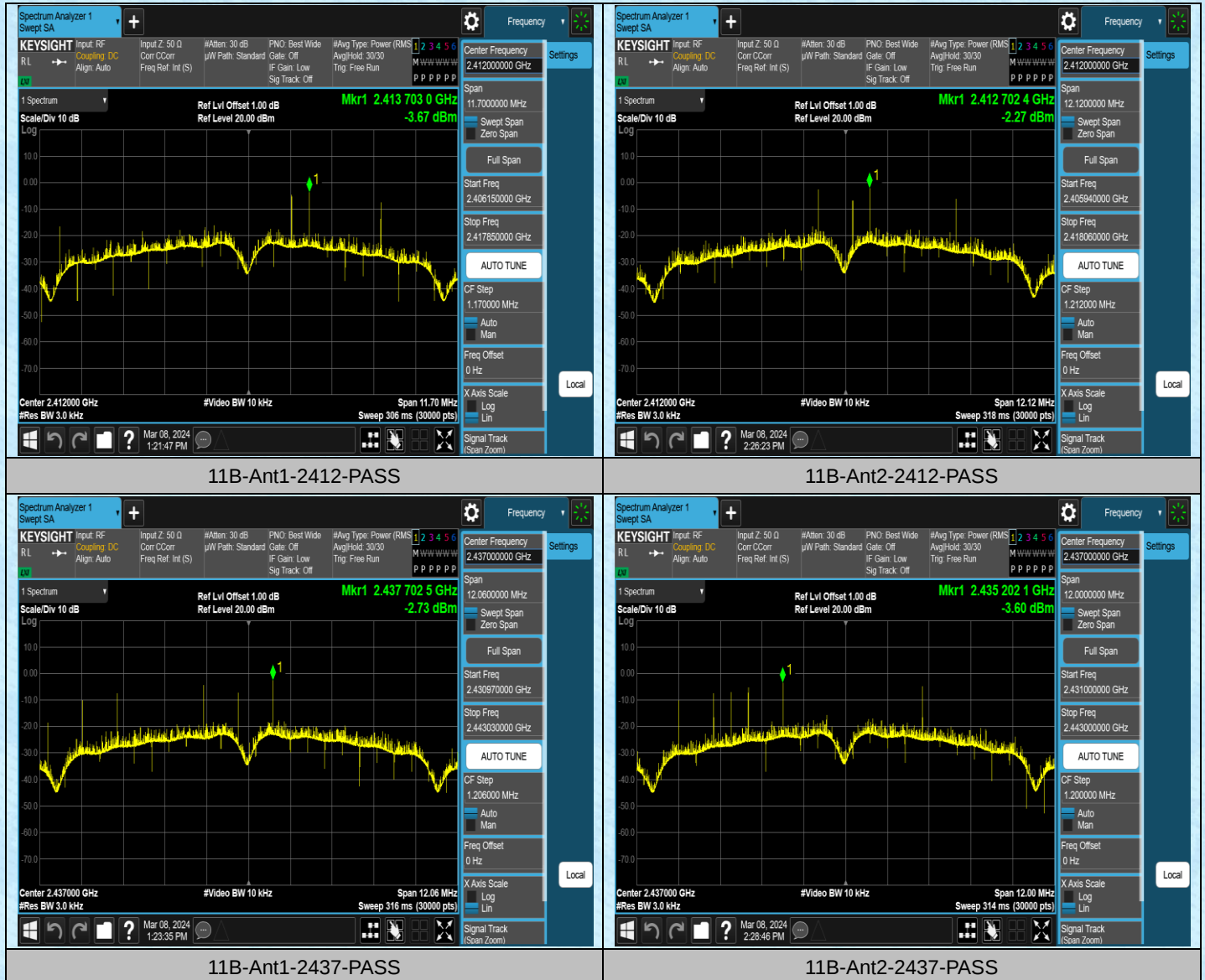
AppendixD: Maximum power spectral density

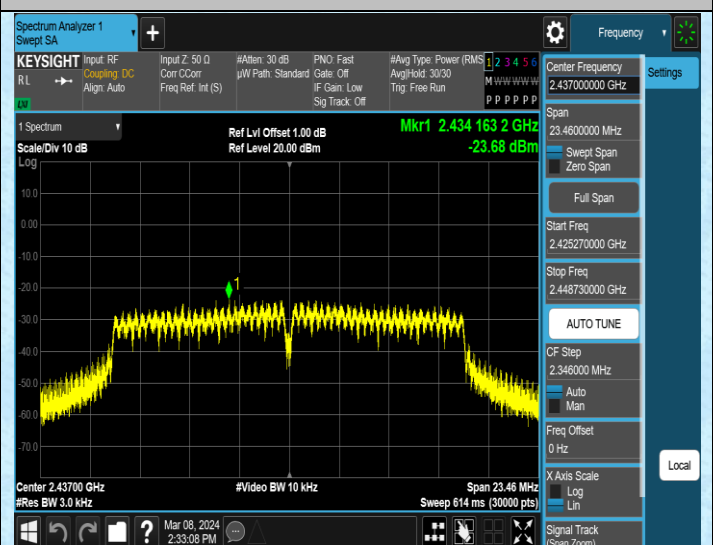
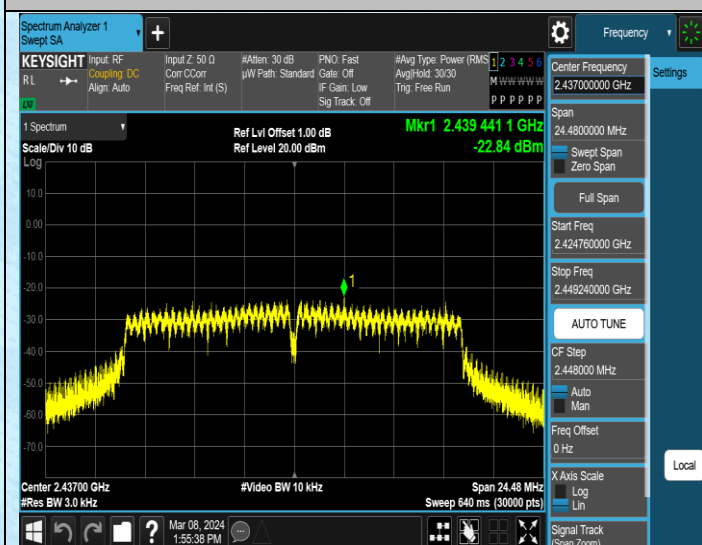
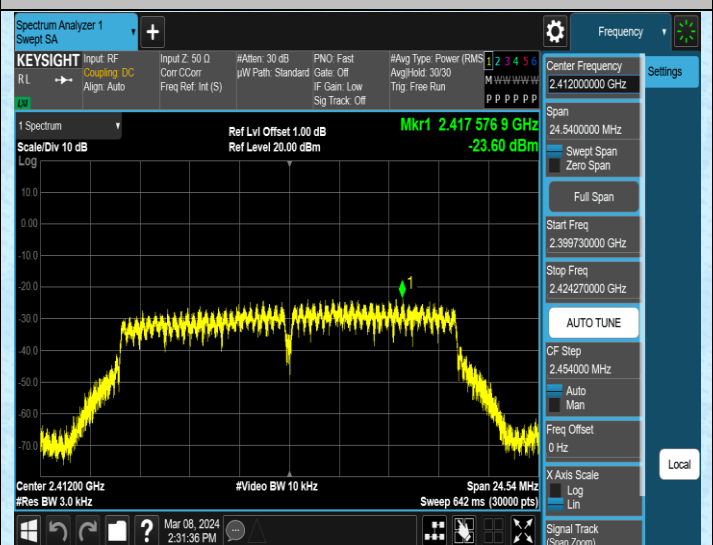
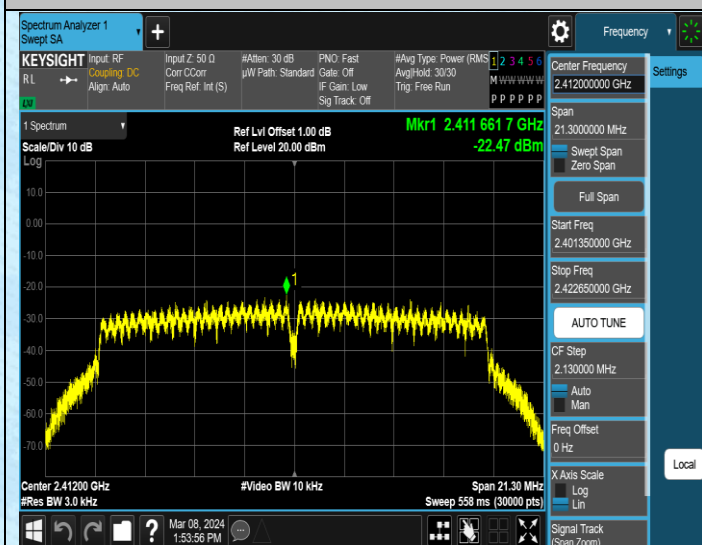
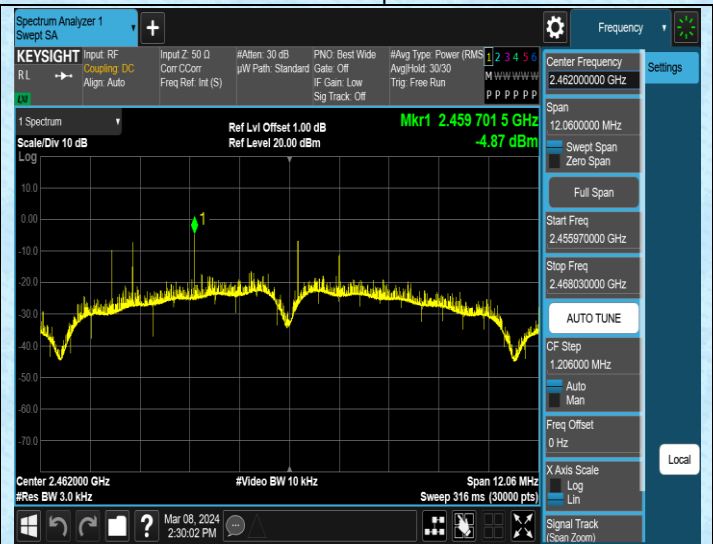
Test Result

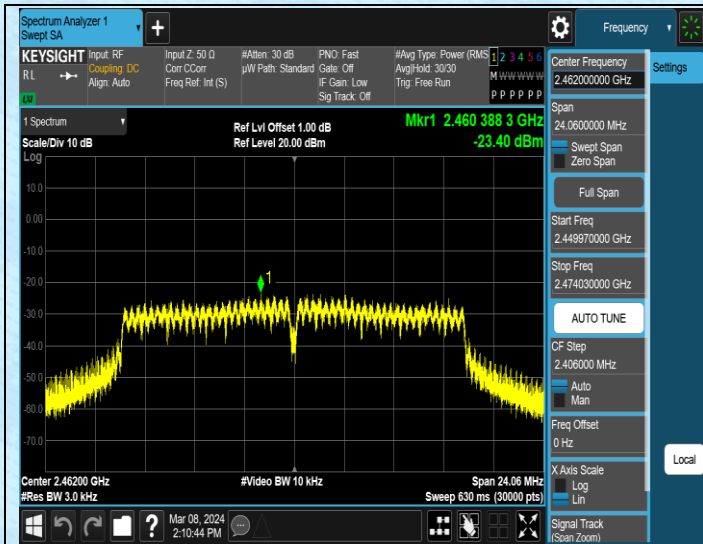
Test Mode	Antenna	Frequency[MHz]	Rate	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	1Mbps	-3.67	≤6.70	PASS
11B	Ant2	2412	1Mbps	-2.27	≤6.50	PASS
11B	Ant1	2437	1Mbps	-2.73	≤6.70	PASS
11B	Ant2	2437	1Mbps	-3.6	≤6.50	PASS
11B	Ant1	2462	1Mbps	-4.03	≤6.70	PASS
11B	Ant2	2462	1Mbps	-4.87	≤6.50	PASS
11G	Ant1	2412	6Mbps	-22.47	≤6.70	PASS
11G	Ant2	2412	6Mbps	-23.6	≤6.50	PASS
11G	Ant1	2437	6Mbps	-22.84	≤6.70	PASS
11G	Ant2	2437	6Mbps	-23.68	≤6.50	PASS
11G	Ant1	2462	6Mbps	-23.4	≤6.70	PASS
11G	Ant2	2462	6Mbps	-22.36	≤6.50	PASS
11N20SISO	Ant1	2412	MCS0	-23.03	≤6.70	PASS
11N20SISO	Ant2	2412	MCS0	-23.87	≤6.50	PASS
11N20SISO	Ant1	2437	MCS0	-23.77	≤6.70	PASS
11N20SISO	Ant2	2437	MCS0	-24.16	≤6.50	PASS
11N20SISO	Ant1	2462	MCS0	-24.17	≤6.70	PASS
11N20SISO	Ant2	2462	MCS0	-24.06	≤6.50	PASS
11AX20SISO	Ant1	2412	MCS0	-23.45	≤6.70	PASS
11AX20SISO	Ant2	2412	MCS0	-22.57	≤6.50	PASS
11AX20SISO	Ant1	2437	MCS0	-22.46	≤6.70	PASS
11AX20SISO	Ant2	2437	MCS0	-23.62	≤6.50	PASS
11AX20SISO	Ant1	2462	MCS0	-23.26	≤6.70	PASS
11AX20SISO	Ant2	2462	MCS0	-23.06	≤6.50	PASS
11N20MIMO	Ant1	2412	MCS0	-22.24	≤6.70	PASS
11N20MIMO	Ant2	2412	MCS0	-24.64	≤6.50	PASS
11N20MIMO	total	2412	MCS0	-20.27	≤3.59	PASS
11N20MIMO	Ant1	2437	MCS0	-24.54	≤6.70	PASS
11N20MIMO	Ant2	2437	MCS0	-24.14	≤6.50	PASS
11N20MIMO	total	2437	MCS0	-21.33	≤3.59	PASS
11N20MIMO	Ant1	2462	MCS0	-24.59	≤6.70	PASS
11N20MIMO	Ant2	2462	MCS0	-23.66	≤6.50	PASS
11N20MIMO	total	2462	MCS0	-21.09	≤3.59	PASS
11AX20MIMO	Ant1	2412	MCS0	-24.34	≤6.70	PASS
11AX20MIMO	Ant2	2412	MCS0	-22.13	≤6.50	PASS
11AX20MIMO	total	2412	MCS0	-20.09	≤3.59	PASS
11AX20MIMO	Ant1	2437	MCS0	-23.76	≤6.70	PASS

11AX20MIMO	Ant2	2437	MCS0	-23.3	≤6.50	PASS
11AX20MIMO	total	2437	MCS0	-20.51	≤3.59	PASS
11AX20MIMO	Ant1	2462	MCS0	-24.77	≤6.70	PASS
11AX20MIMO	Ant2	2462	MCS0	-24.24	≤6.50	PASS
11AX20MIMO	total	2462	MCS0	-21.49	≤3.59	PASS

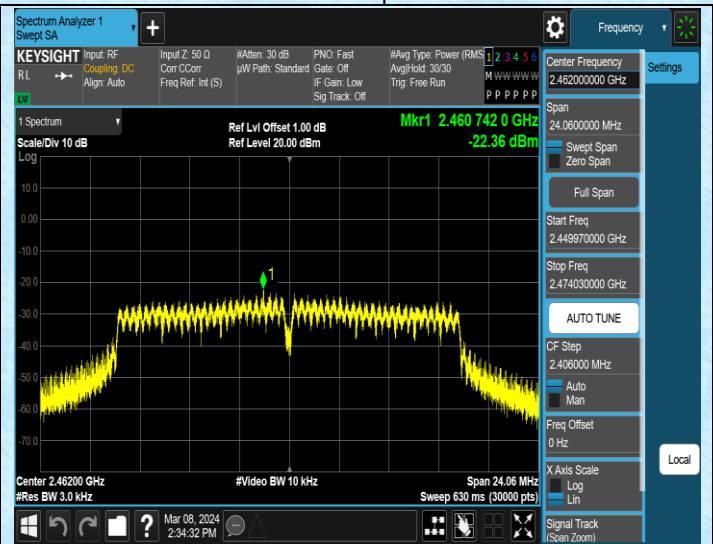
Test Graphs



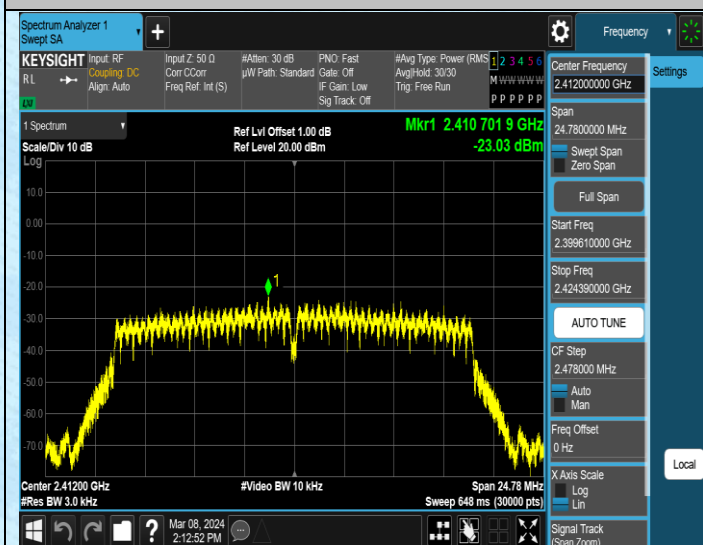




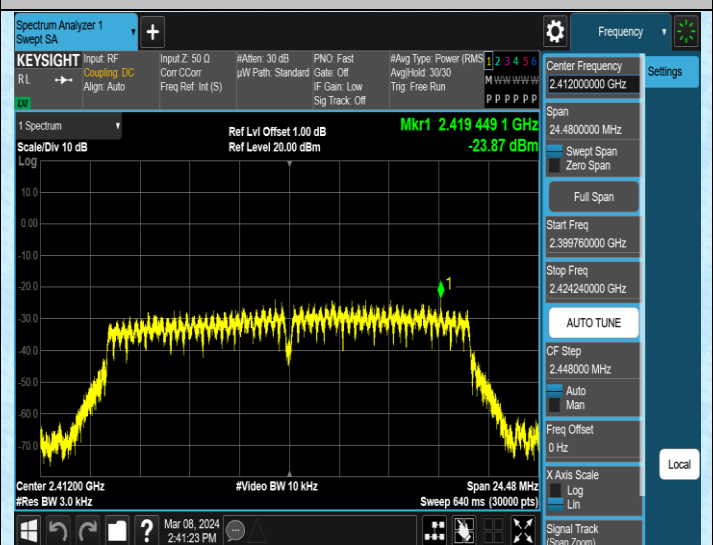
11G-Ant1-2462-PASS



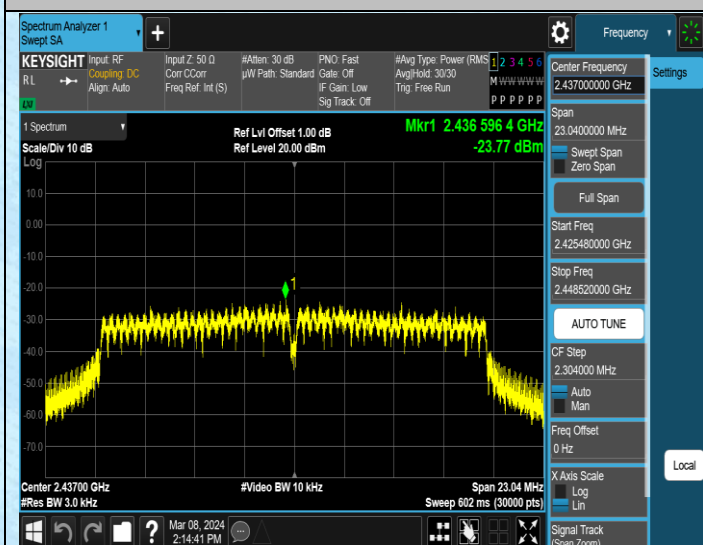
11G-Ant2-2462-PASS



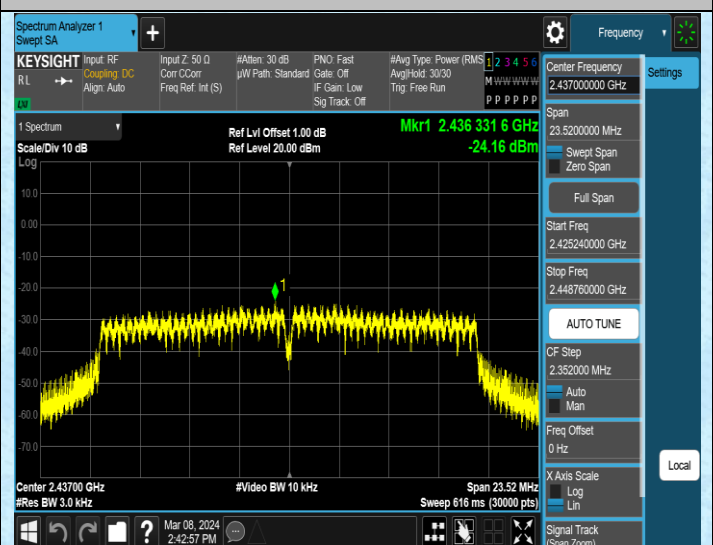
11N20SISO-Ant1-2412-PASS



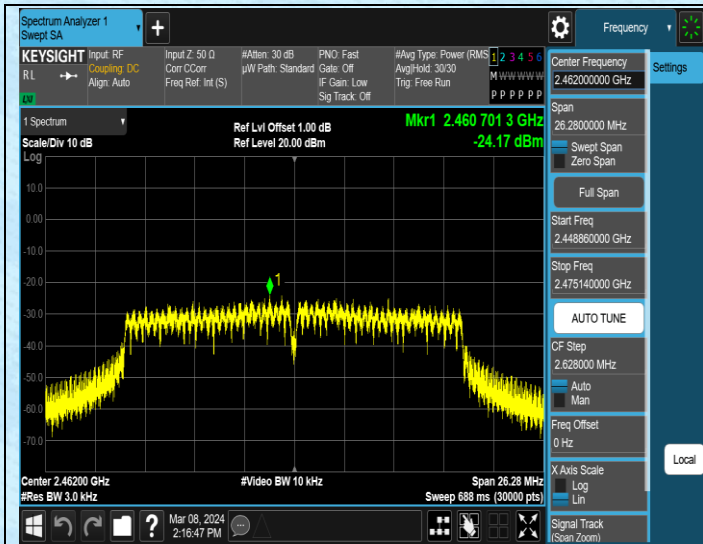
11N20SISO-Ant2-2412-PASS



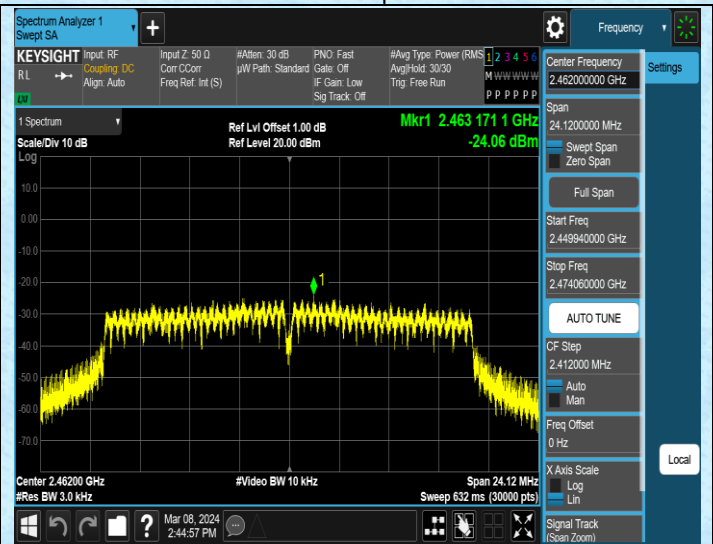
11N20SISO-Ant1-2437-PASS



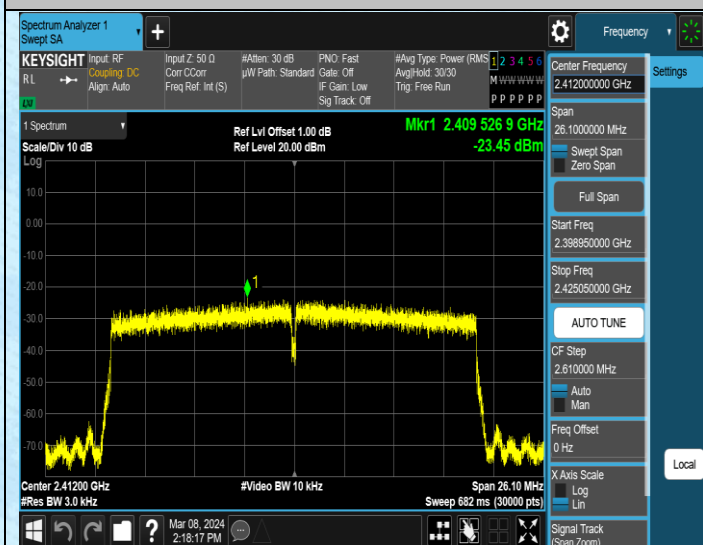
11N20SISO-Ant2-2437-PASS



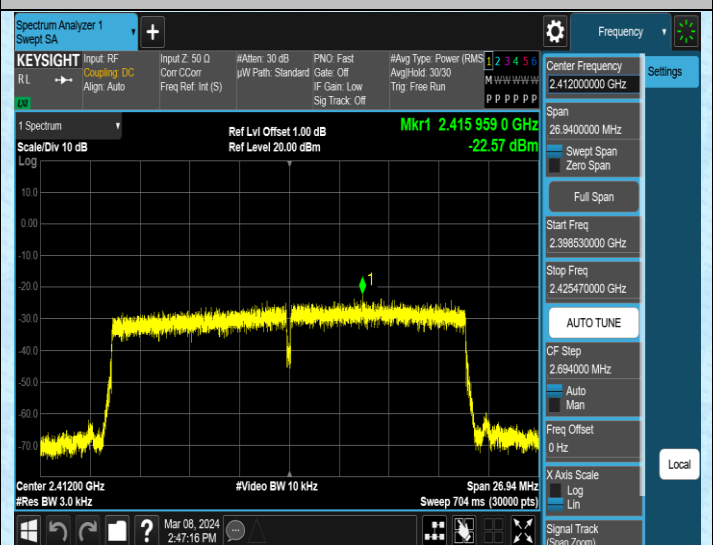
11N20SISO-Ant1-2462-PASS



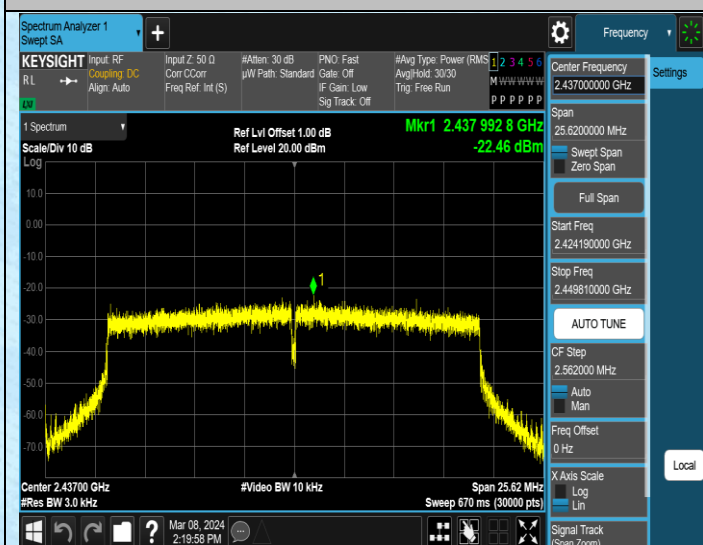
11N20SISO-Ant2-2462-PASS



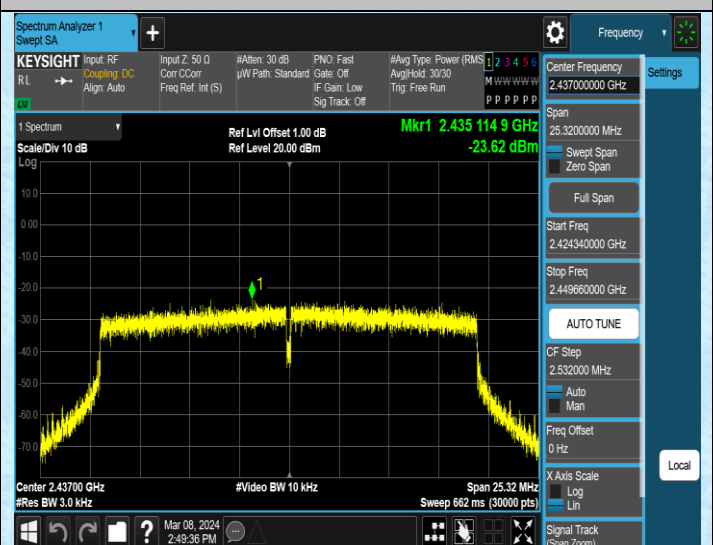
11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant2-2412-PASS



11AX20SISO-Ant1-2437-PASS



11AX20SISO-Ant2-2437-PASS

