AppendixA: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	Rate	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	2412	MCS0	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant2	2412	MCS0	17.600	2403.200	2420.800	0.5	PASS
11N20SISO	Ant1	2437	MCS0	17.560	2428.200	2445.760	0.5	PASS
11N20SISO	Ant2	2437	MCS0	17.560	2428.200	2445.760	0.5	PASS
11N20SISO	Ant1	2462	MCS0	17.560	2453.200	2470.760	0.5	PASS
11N20SISO	Ant2	2462	MCS0	17.160	2453.240	2470.400	0.5	PASS
11N20MIMO	Ant1	2412	MCS0	17.560	2403.200	2420.760	0.5	PASS
11N20MIMO	Ant2	2412	MCS0	17.280	2403.240	2420.520	0.5	PASS
11N20MIMO	Ant1	2437	MCS0	17.160	2428.600	2445.760	0.5	PASS
11N20MIMO	Ant2	2437	MCS0	17.280	2428.480	2445.760	0.5	PASS
11N20MIMO	Ant1	2462	MCS0	17.280	2453.200	2470.480	0.5	PASS
11N20MIMO	Ant2	2462	MCS0	17.640	2453.160	2470.800	0.5	PASS

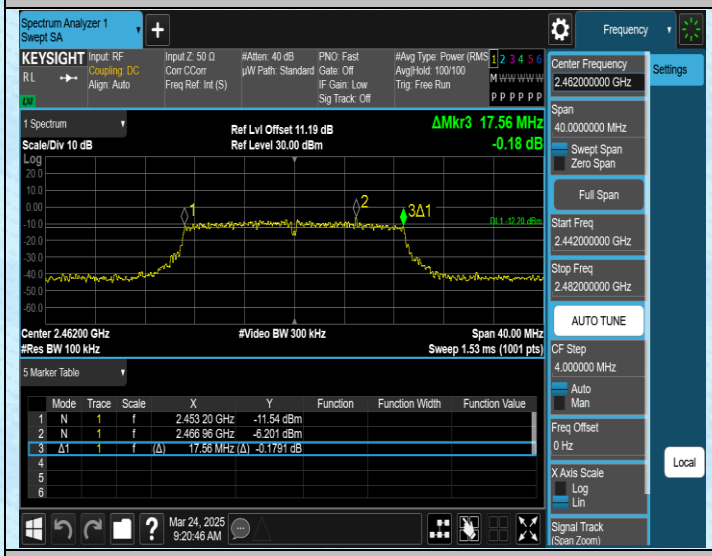
Test Graphs

11N20SISO-Ant1-2412-PASS

11N20SISO-Ant2-2412-PASS

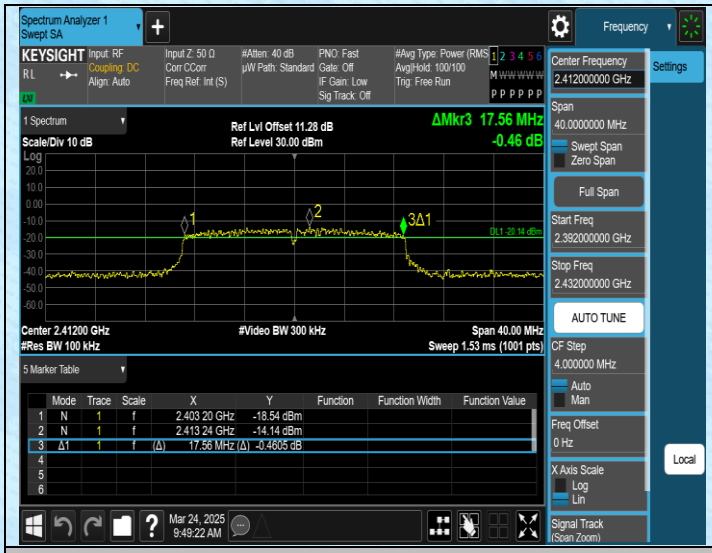
11N20SISO-Ant1-2437-PASS

11N20SISO-Ant2-2437-PASS

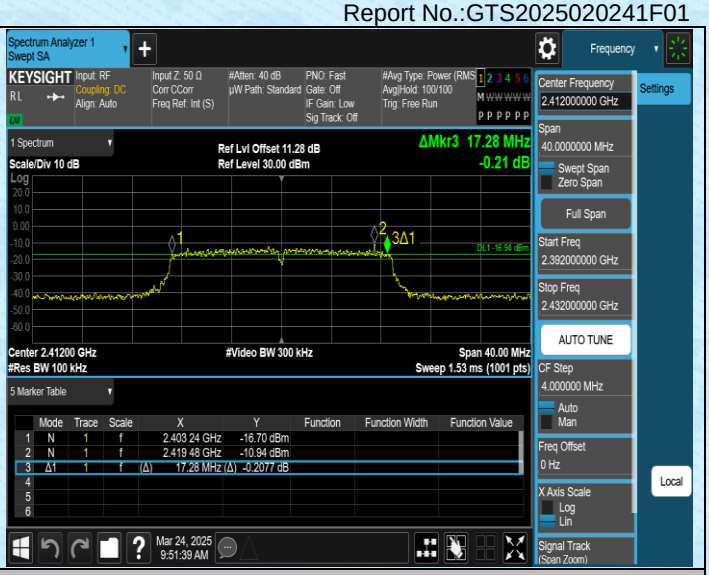


11N20SISO-Ant1-2462-PASS

11N20SISO-Ant2-2462-PASS



11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS

11N20MIMO-Ant1-2437-PASS

11N20MIMO-Ant2-2437-PASS

11N20MIMO-Ant1-2462-PASS

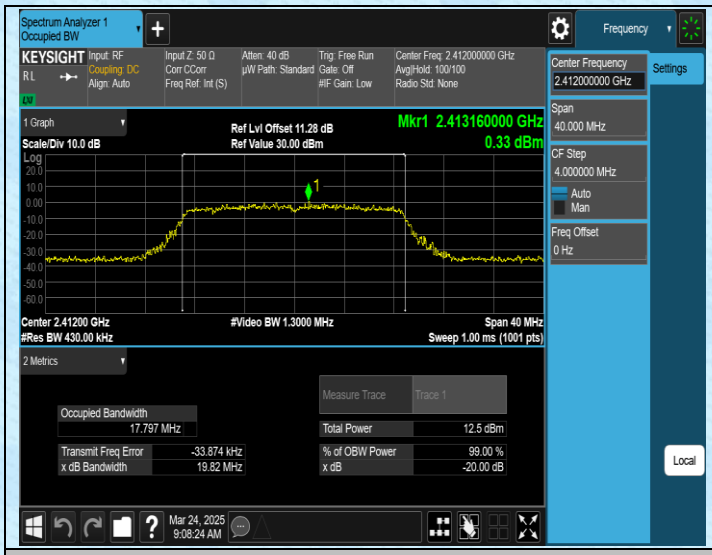
11N20MIMO-Ant2-2462-PASS

AppendixB: Occupied Channel Bandwidth

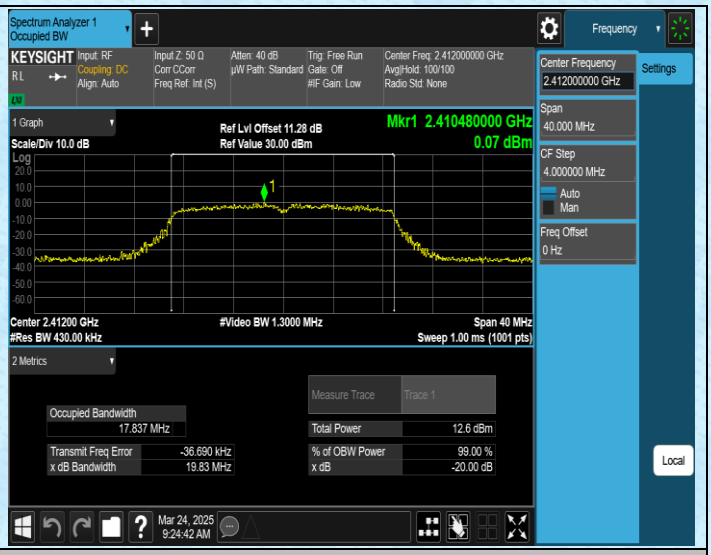
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	Rate	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	2412	MCS0	17.797	2403.0676	2420.8646	---	---
11N20SISO	Ant2	2412	MCS0	17.837	2403.0448	2420.8818	---	---
11N20SISO	Ant1	2437	MCS0	17.819	2428.0983	2445.9173	---	---
11N20SISO	Ant2	2437	MCS0	17.807	2428.0831	2445.8901	---	---
11N20SISO	Ant1	2462	MCS0	17.902	2452.9697	2470.8717	---	---
11N20SISO	Ant2	2462	MCS0	17.873	2453.0193	2470.8923	---	---
11N20MIMO	Ant1	2412	MCS0	18.098	2402.8888	2420.9868	---	---
11N20MIMO	Ant2	2412	MCS0	17.958	2402.9953	2420.9533	---	---
11N20MIMO	Ant1	2437	MCS0	18.150	2427.8941	2446.0441	---	---
11N20MIMO	Ant2	2437	MCS0	17.963	2427.9898	2445.9528	---	---
11N20MIMO	Ant1	2462	MCS0	17.971	2452.9476	2470.9186	---	---
11N20MIMO	Ant2	2462	MCS0	17.843	2453.0142	2470.8572	---	---

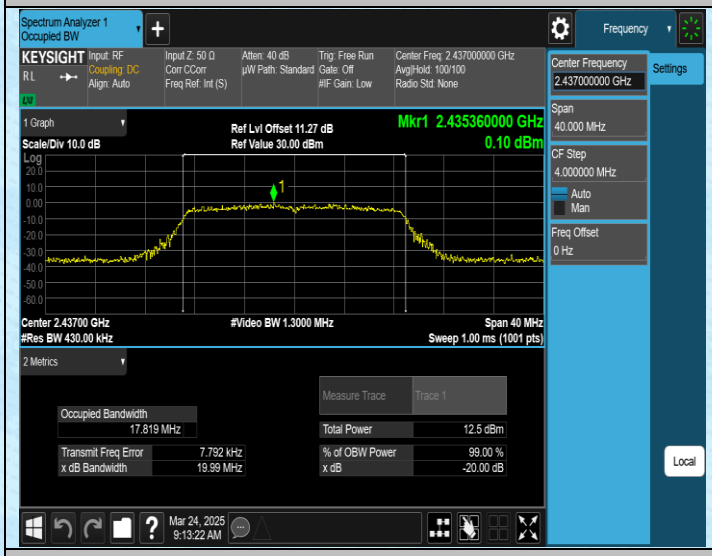
Test Graphs



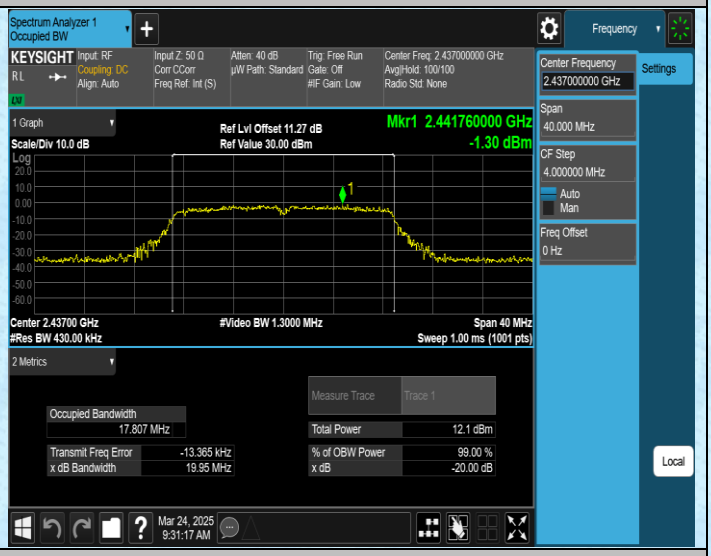
11N20SISO-Ant1-2412



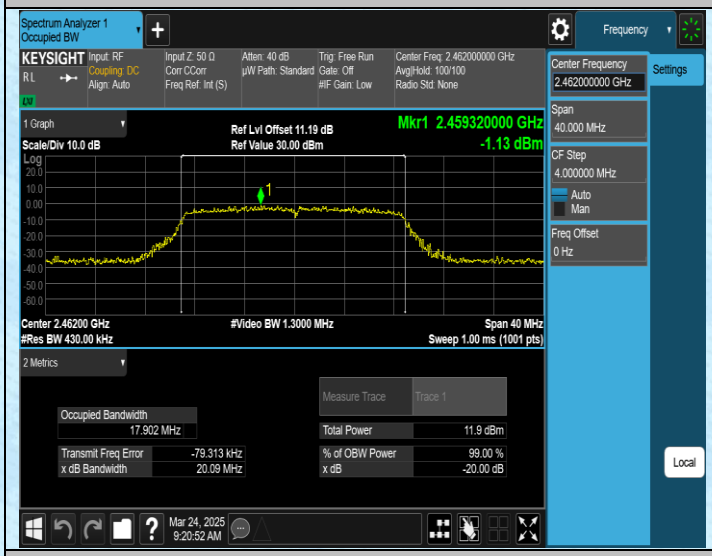
11N20SISO-Ant2-2412



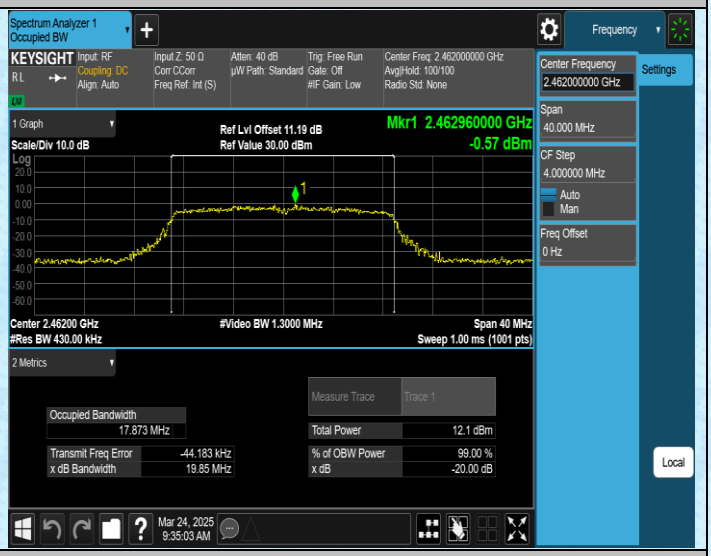
11N20SISO-Ant1-2437



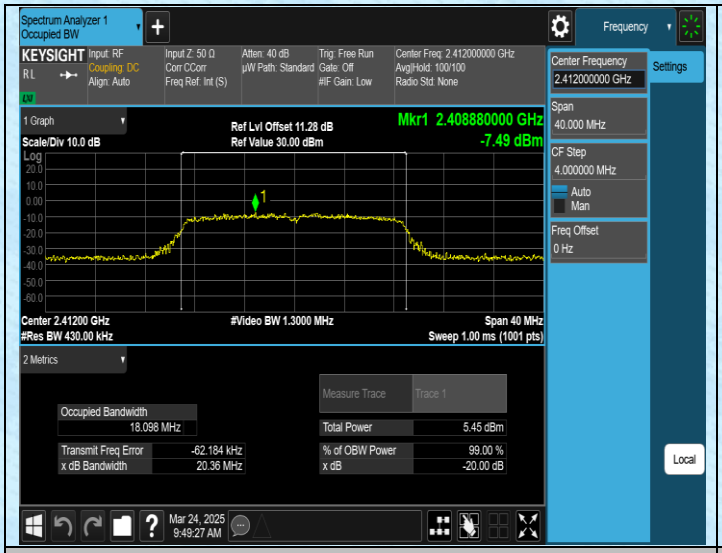
11N20SISO-Ant2-2437



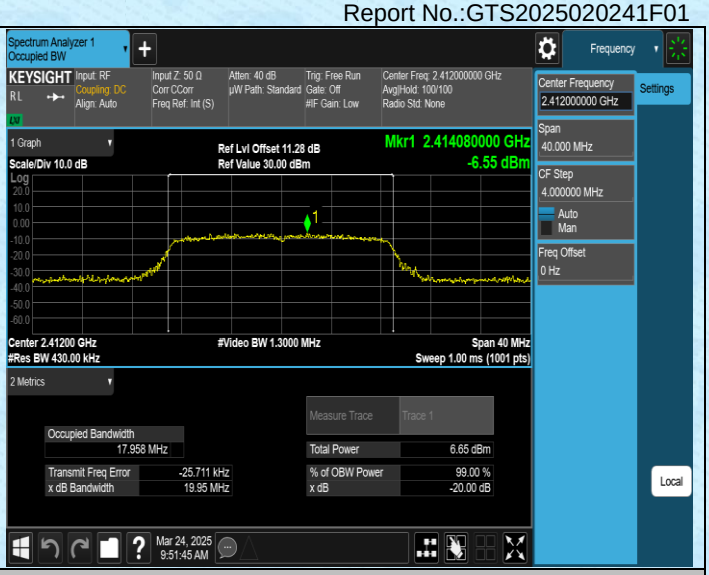
11N20SISO-Ant1-2462



11N20SISO-Ant2-2462

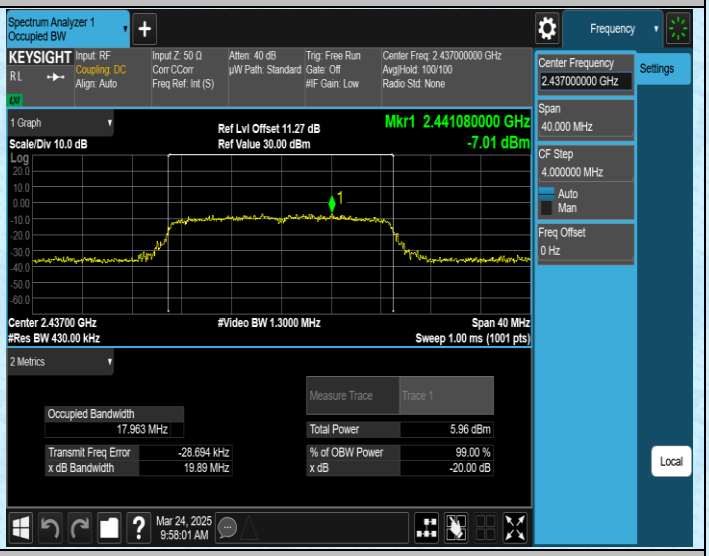


11N20MIMO-Ant1-2412

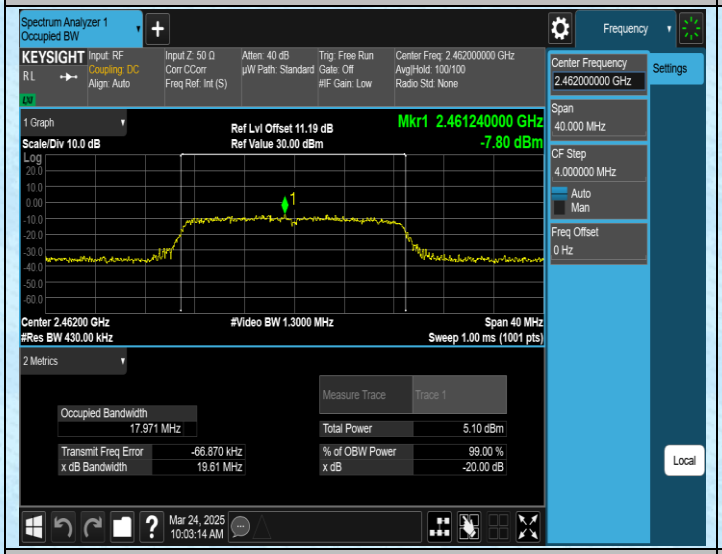


11N20MIMO-Ant2-2412

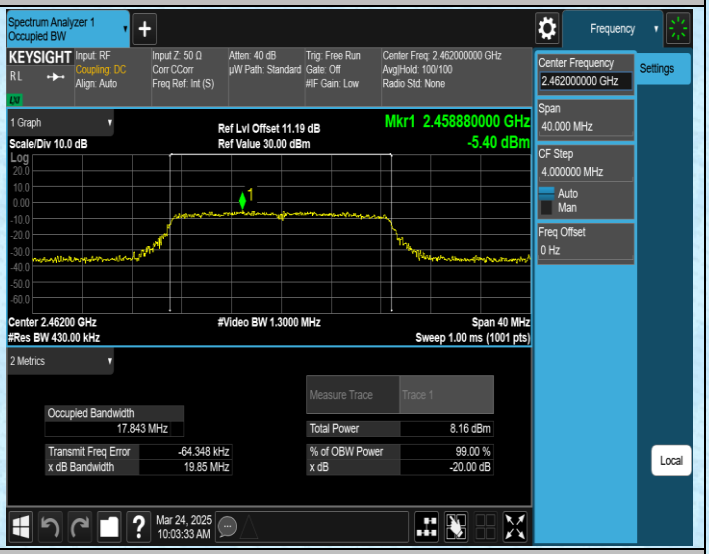
11N20MIMO-Ant1-2437



11N20MIMO-Ant2-2437



11N20MIMO-Ant1-2462



11N20MIMO-Ant2-2462

AppendixC: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Rate	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11N20SISO	Ant1	2412	MCS0	13.43	≤30.00	PASS
11N20SISO	Ant2	2412	MCS0	13.67	≤30.00	PASS
11N20SISO	Ant1	2437	MCS0	13.48	≤30.00	PASS
11N20SISO	Ant2	2437	MCS0	13.30	≤30.00	PASS
11N20SISO	Ant1	2462	MCS0	13.04	≤30.00	PASS
11N20SISO	Ant2	2462	MCS0	12.87	≤30.00	PASS
11N20MIMO	Ant1	2412	MCS0	6.09	≤30.00	PASS
11N20MIMO	Ant2	2412	MCS0	7.66	≤30.00	PASS
11N20MIMO	total	2412	MCS0	9.96	≤30.00	PASS
11N20MIMO	Ant1	2437	MCS0	5.97	≤30.00	PASS
11N20MIMO	Ant2	2437	MCS0	6.90	≤30.00	PASS
11N20MIMO	total	2437	MCS0	9.47	≤30.00	PASS
11N20MIMO	Ant1	2462	MCS0	5.86	≤30.00	PASS
11N20MIMO	Ant2	2462	MCS0	8.94	≤30.00	PASS
11N20MIMO	total	2462	MCS0	10.68	≤30.00	PASS

Directional gain = GAnt + Array Gain=4.62+0=4.62

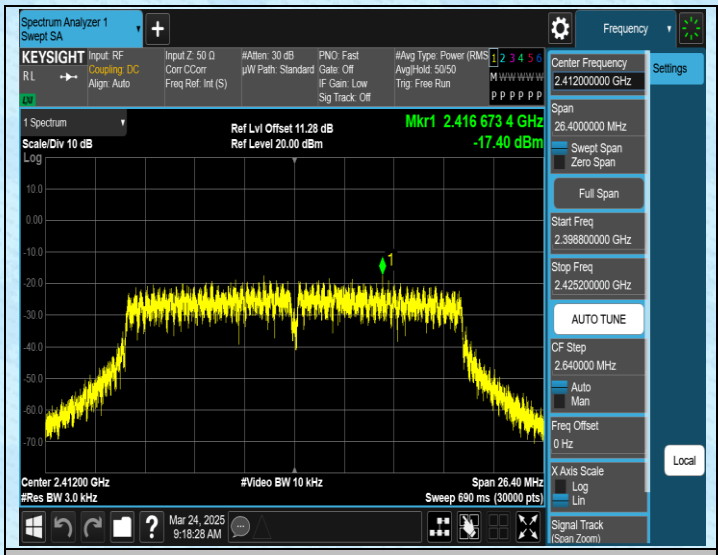
AppendixD: Maximum power spectral density

Test Result

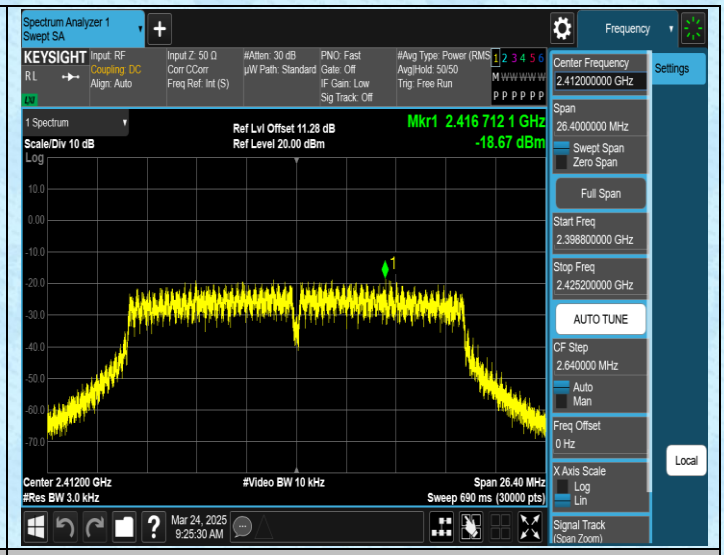
Test Mode	Antenna	Frequency [MHz]	Rate	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11N20SISO	Ant1	2412	MCS0	-17.4	≤8.00	PASS
11N20SISO	Ant2	2412	MCS0	-18.67	≤8.00	PASS
11N20SISO	Ant1	2437	MCS0	-18.11	≤8.00	PASS
11N20SISO	Ant2	2437	MCS0	-17.53	≤8.00	PASS
11N20SISO	Ant1	2462	MCS0	-18.5	≤8.00	PASS
11N20SISO	Ant2	2462	MCS0	-17.5	≤8.00	PASS
11N20MIMO	Ant1	2412	MCS0	-24.67	≤8.00	PASS
11N20MIMO	Ant2	2412	MCS0	-22.74	≤8.00	PASS
11N20MIMO	total	2412	MCS0	-20.59	≤8.00	PASS
11N20MIMO	Ant1	2437	MCS0	-25.17	≤8.00	PASS
11N20MIMO	Ant2	2437	MCS0	-24.29	≤8.00	PASS
11N20MIMO	total	2437	MCS0	-21.70	≤8.00	PASS
11N20MIMO	Ant1	2462	MCS0	-24.78	≤8.00	PASS
11N20MIMO	Ant2	2462	MCS0	-21.09	≤8.00	PASS
11N20MIMO	total	2462	MCS0	-19.54	≤8.00	PASS

Directional gain = GAnt + Array Gain=4.62+0=4.62

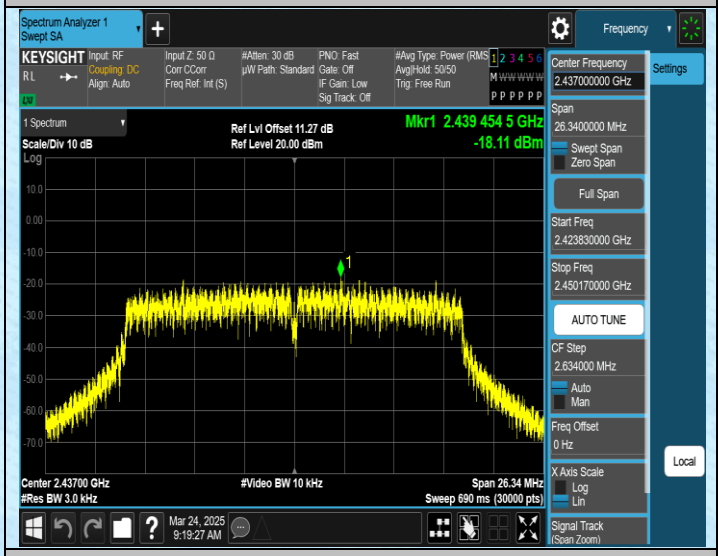
Test Graphs



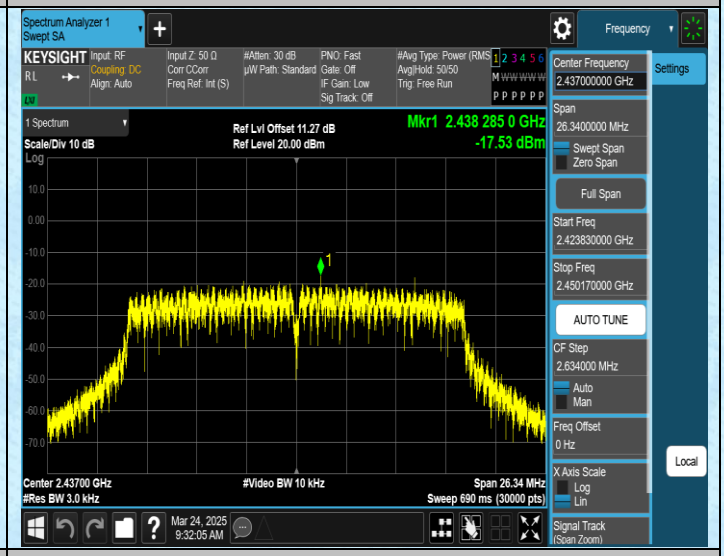
11N20SISO-Ant1-2412-PASS



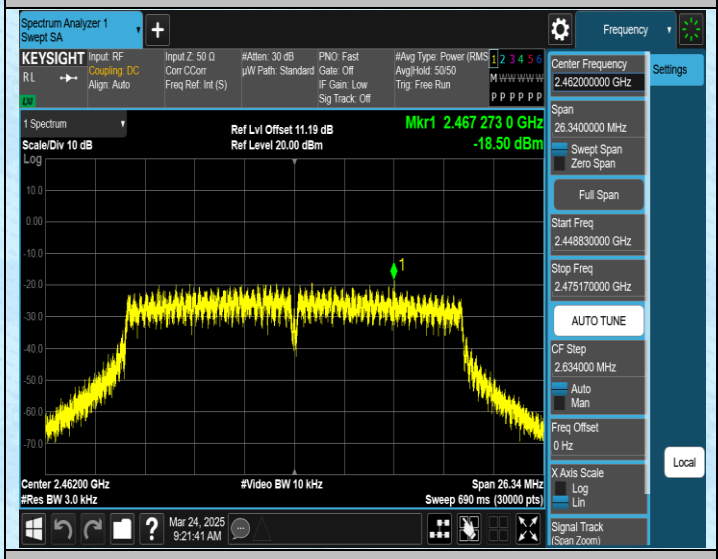
11N20SISO-Ant2-2412-PASS



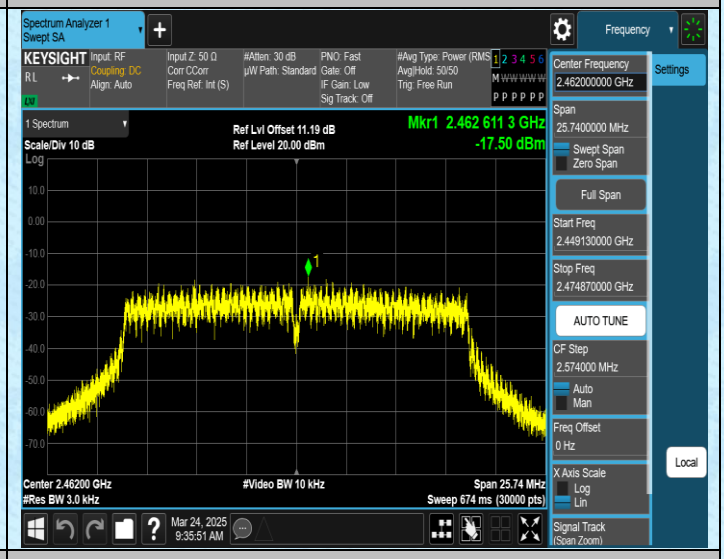
11N20SISO-Ant1-2437-PASS



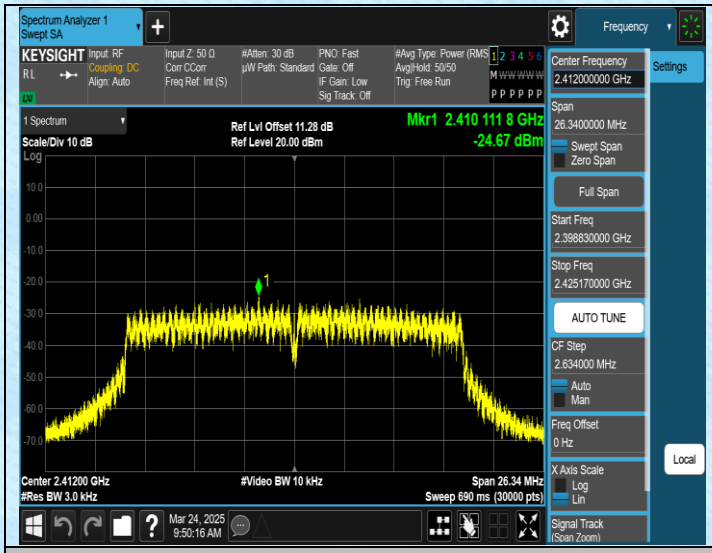
11N20SISO-Ant2-2437-PASS



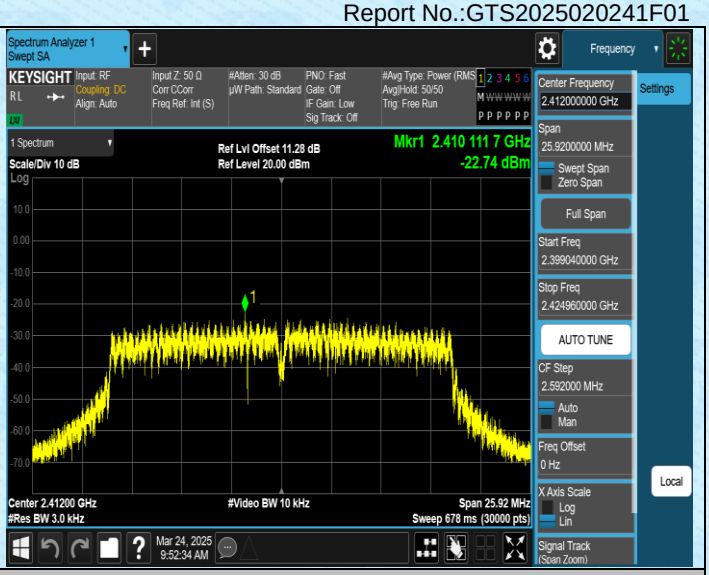
11N20SISO-Ant1-2462-PASS



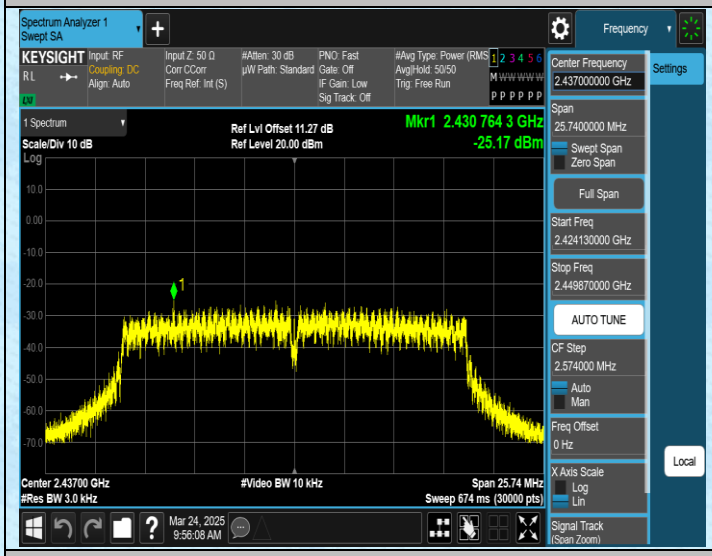
11N20SISO-Ant2-2462-PASS



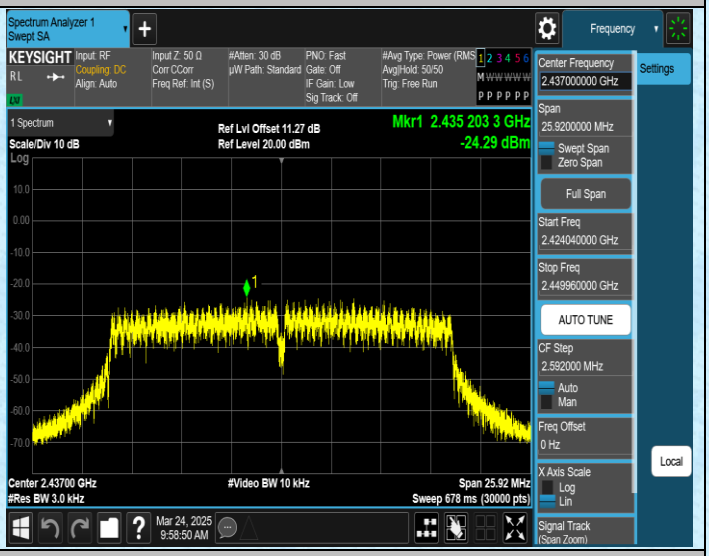
11N20MIMO-Ant1-2412-PASS



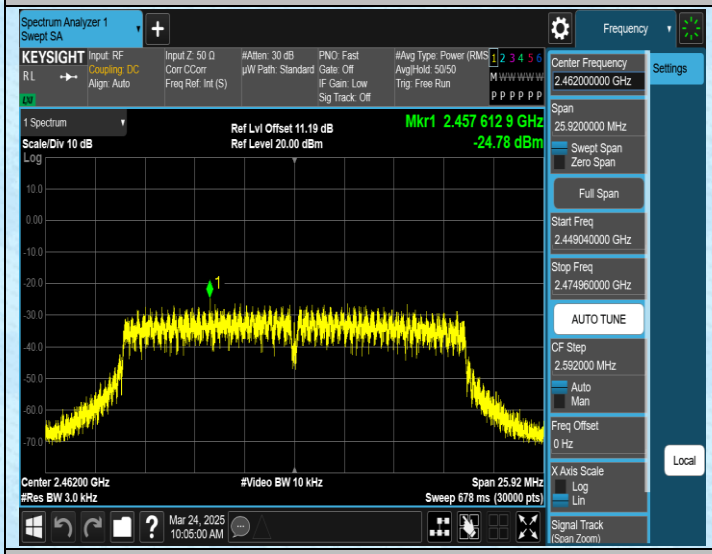
11N20MIMO-Ant2-2412-PASS



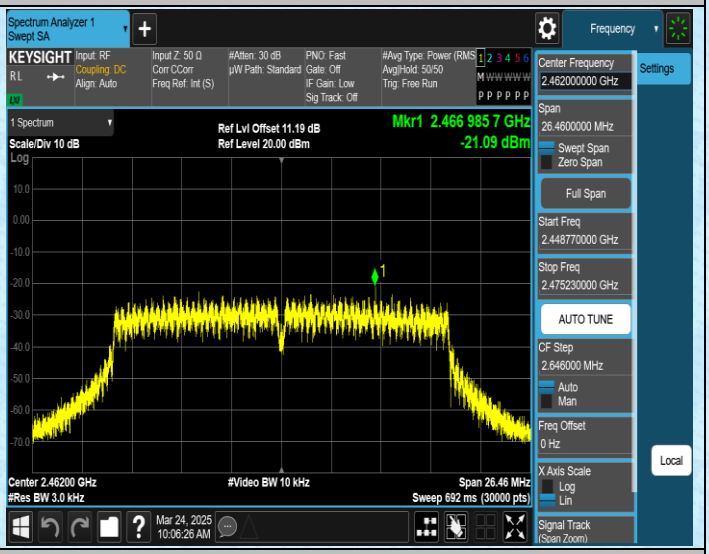
11N20MIMO-Ant1-2437-PASS



11N20MIMO-Ant2-2437-PASS



11N20MIMO-Ant1-2462-PASS



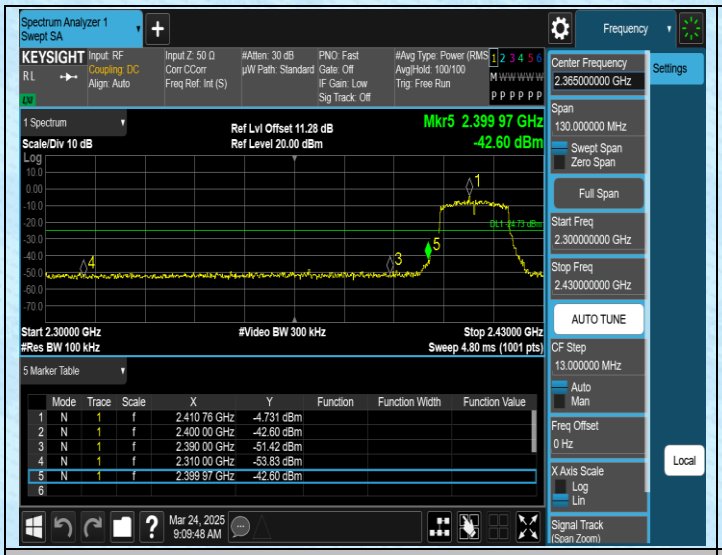
11N20MIMO-Ant2-2462-PASS

AppendixE:Band edge measurements

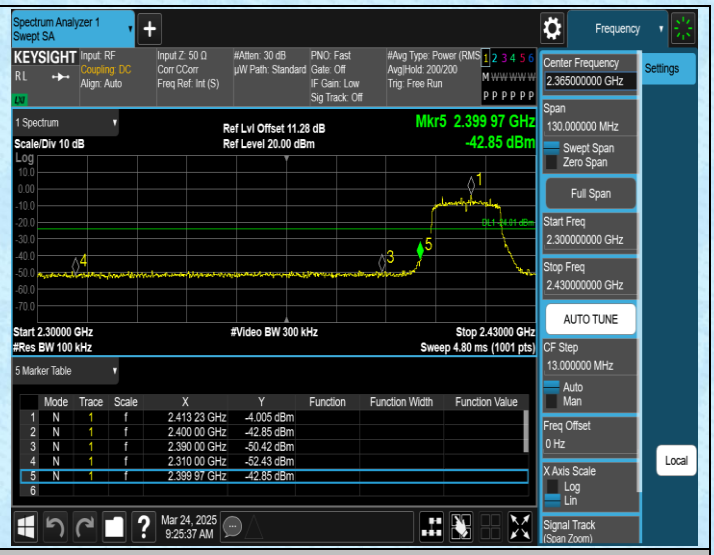
Test Result

Test Mode	Antenna	Channel	Frequency[MHz]	Rate	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11N20SISO	Ant1	Low	2412	MCS0	-4.73	-42.6	≤-24.73	PASS
11N20SISO	Ant2	Low	2412	MCS0	-4.01	-42.85	≤-24.01	PASS
11N20SISO	Ant1	High	2462	MCS0	-6.62	-48.4	≤-26.62	PASS
11N20SISO	Ant2	High	2462	MCS0	-4.13	-48.67	≤-24.13	PASS
11N20MIMO	Ant1	Low	2412	MCS0	-11.23	-48.34	≤-31.23	PASS
11N20MIMO	Ant2	Low	2412	MCS0	-11.61	-46.47	≤-31.61	PASS
11N20MIMO	Ant1	High	2462	MCS0	-12.07	-47.7	≤-32.07	PASS
11N20MIMO	Ant2	High	2462	MCS0	-8.93	-48.66	≤-28.93	PASS

Test Graphs

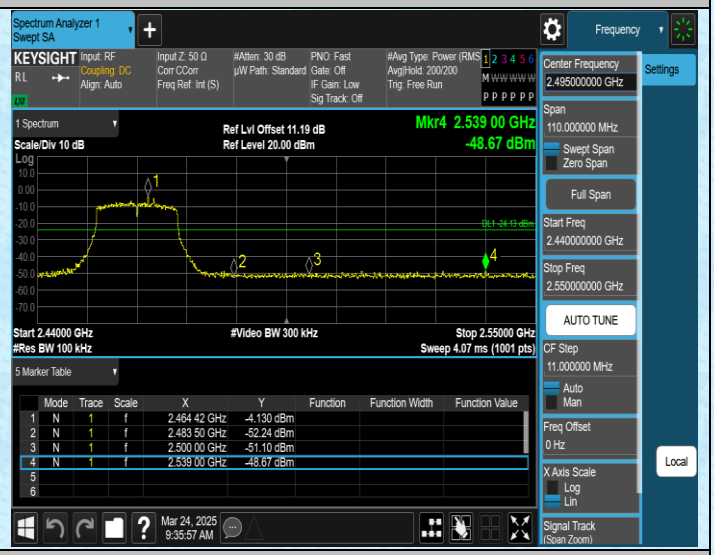


11N20SISO-Ant1-2412-PASS

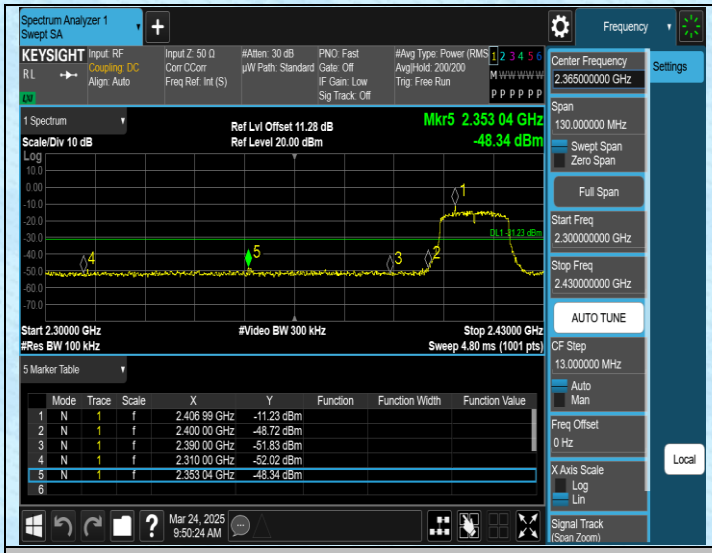


11N20SISO-Ant2-2412-PASS

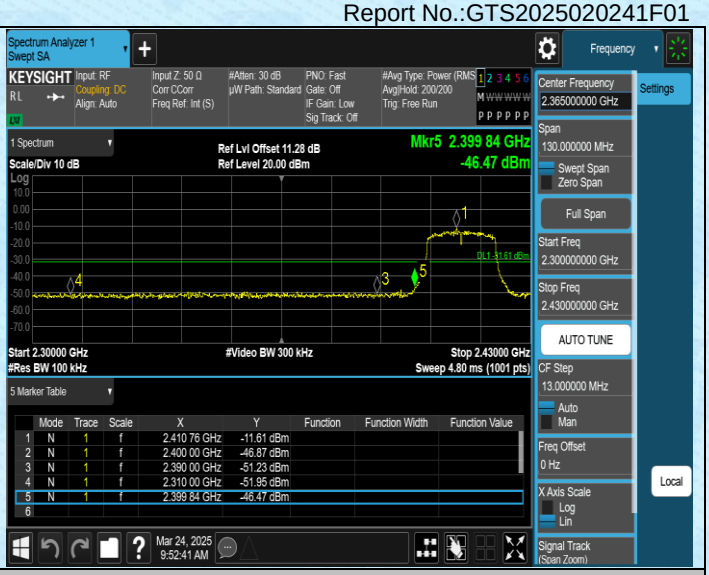
11N20SISO-Ant1-2462-PASS



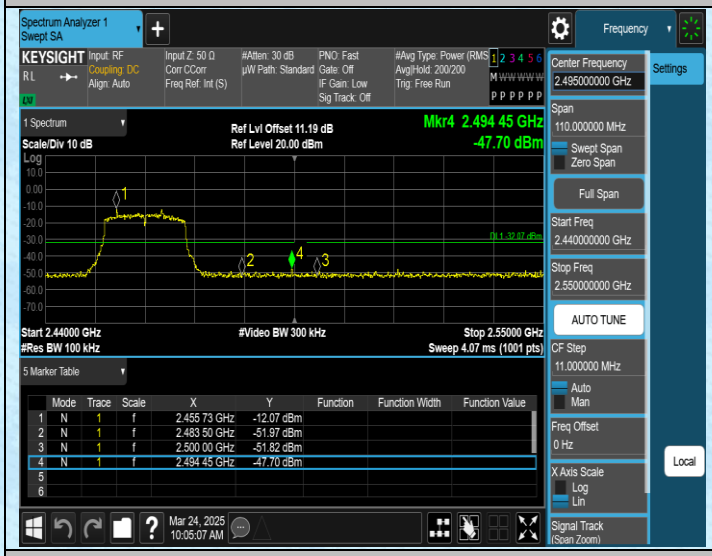
11N20SISO-Ant2-2462-PASS



11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS



11N20MIMO-Ant1-2462-PASS

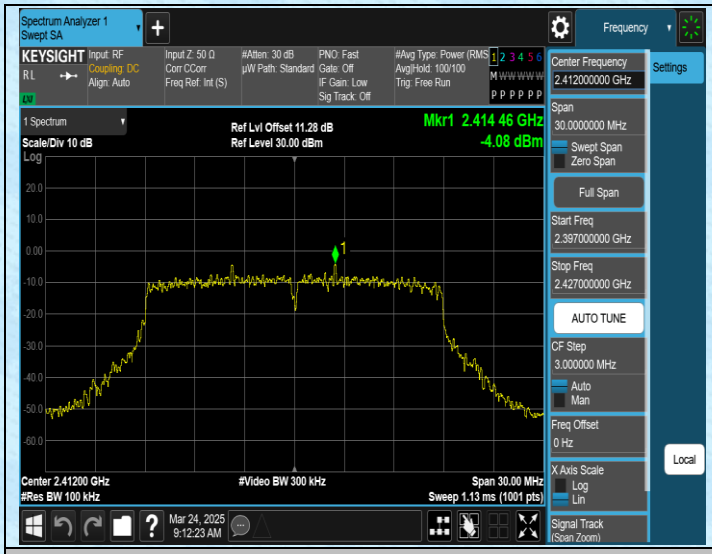
11N20MIMO-Ant2-2462-PASS

AppendixF:Conducted Spurious Emission

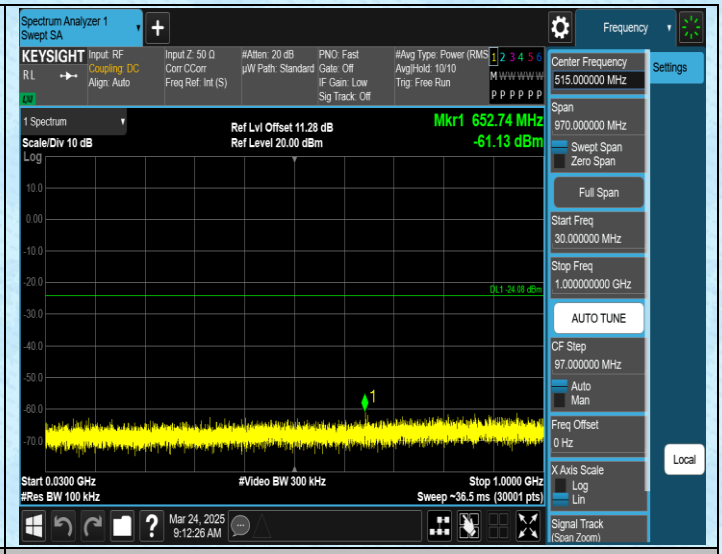
Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20SISO	Ant1	2412	MCS0	0~Reference	-4.08	-4.08	---	PASS
11N20SISO	Ant1	2412	MCS0	30~1000	-4.08	-61.13	≤-24.08	PASS
11N20SISO	Ant1	2412	MCS0	1000~26500	-4.08	-49.86	≤-24.08	PASS
11N20SISO	Ant2	2412	MCS0	0~Reference	-5.45	-5.45	---	PASS
11N20SISO	Ant2	2412	MCS0	30~1000	-5.45	-60.84	≤-25.45	PASS
11N20SISO	Ant2	2412	MCS0	1000~26500	-5.45	-49.35	≤-25.45	PASS
11N20SISO	Ant1	2437	MCS0	0~Reference	-4.53	-4.53	---	PASS
11N20SISO	Ant1	2437	MCS0	30~1000	-4.53	-61.52	≤-24.53	PASS
11N20SISO	Ant1	2437	MCS0	1000~26500	-4.53	-49.99	≤-24.53	PASS
11N20SISO	Ant2	2437	MCS0	0~Reference	-4.89	-4.89	---	PASS
11N20SISO	Ant2	2437	MCS0	30~1000	-4.89	-61.71	≤-24.89	PASS
11N20SISO	Ant2	2437	MCS0	1000~26500	-4.89	-49.05	≤-24.89	PASS
11N20SISO	Ant1	2462	MCS0	0~Reference	-7.43	-7.43	---	PASS
11N20SISO	Ant1	2462	MCS0	30~1000	-7.43	-61.88	≤-27.43	PASS
11N20SISO	Ant1	2462	MCS0	1000~26500	-7.43	-49.23	≤-27.43	PASS
11N20SISO	Ant2	2462	MCS0	0~Reference	-6.93	-6.93	---	PASS
11N20SISO	Ant2	2462	MCS0	30~1000	-6.93	-61.67	≤-26.93	PASS
11N20SISO	Ant2	2462	MCS0	1000~26500	-6.93	-49.87	≤-26.93	PASS
11N20MIMO	Ant1	2412	MCS0	0~Reference	-11.52	-11.52	---	PASS
11N20MIMO	Ant1	2412	MCS0	30~1000	-11.52	-61.67	≤-31.52	PASS
11N20MIMO	Ant1	2412	MCS0	1000~26500	-11.52	-49.97	≤-31.52	PASS
11N20MIMO	Ant2	2412	MCS0	0~Reference	-13.08	-13.08	---	PASS
11N20MIMO	Ant2	2412	MCS0	30~1000	-13.08	-61.2	≤-33.08	PASS
11N20MIMO	Ant2	2412	MCS0	1000~26500	-13.08	-49.78	≤-33.08	PASS
11N20MIMO	Ant1	2437	MCS0	0~Reference	-14.43	-14.43	---	PASS
11N20MIMO	Ant1	2437	MCS0	30~1000	-14.43	-61.52	≤-34.43	PASS
11N20MIMO	Ant1	2437	MCS0	1000~26500	-14.43	-49.64	≤-34.43	PASS
11N20MIMO	Ant2	2437	MCS0	0~Reference	-9.83	-9.83	---	PASS
11N20MIMO	Ant2	2437	MCS0	30~1000	-9.83	-60.55	≤-29.83	PASS
11N20MIMO	Ant2	2437	MCS0	1000~26500	-9.83	-49.24	≤-29.83	PASS
11N20MIMO	Ant1	2462	MCS0	0~Reference	-12.90	-12.90	---	PASS
11N20MIMO	Ant1	2462	MCS0	30~1000	-12.90	-61.52	≤-32.9	PASS
11N20MIMO	Ant1	2462	MCS0	1000~26500	-12.90	-49.95	≤-32.9	PASS
11N20MIMO	Ant2	2462	MCS0	0~Reference	-9.68	-9.68	---	PASS
11N20MIMO	Ant2	2462	MCS0	30~1000	-9.68	-61.04	≤-29.68	PASS
11N20MIMO	Ant2	2462	MCS0	1000~26500	-9.68	-49.47	≤-29.68	PASS

Test Graphs

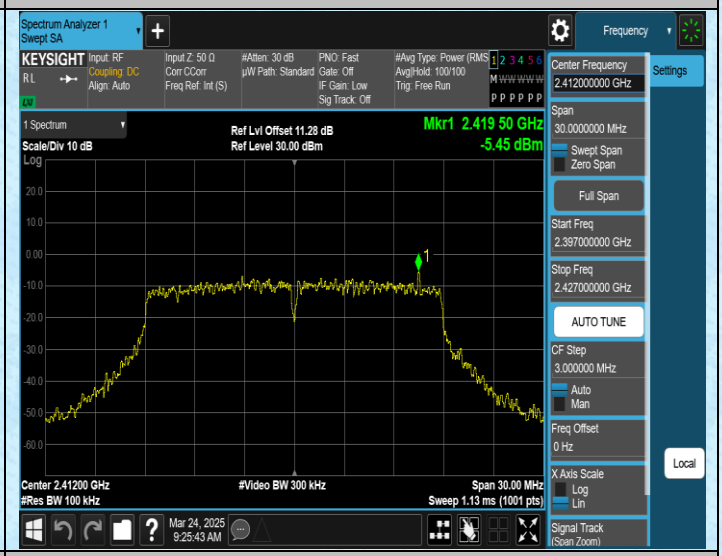


11N20SISO-Ant1-2412-0~Reference-PASS

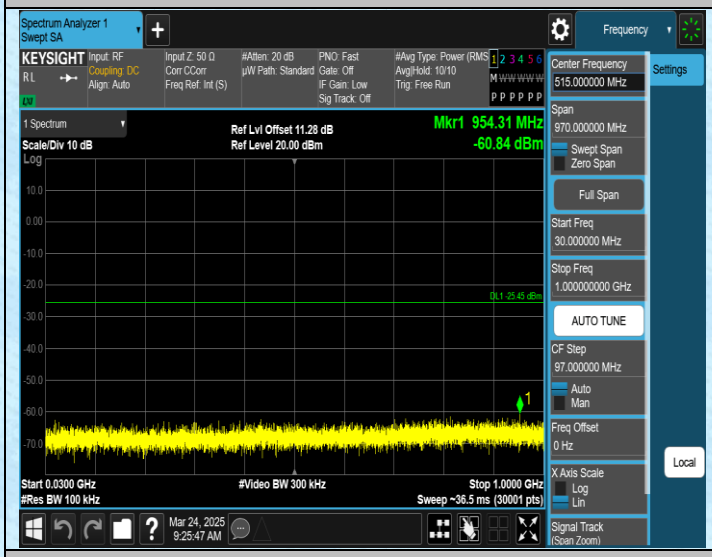


11N20SISO-Ant1-2412-30~1000-PASS

11N20SISO-Ant1-2412-1000~26500-PASS



11N20SISO-Ant2-2412-0~Reference-PASS



11N20SISO-Ant2-2412-30~1000-PASS

11N20SISO-Ant2-2412-1000~26500-PASS