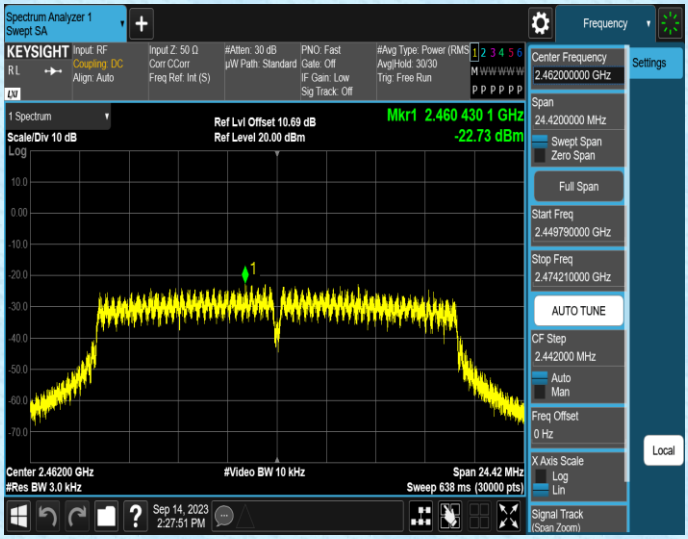
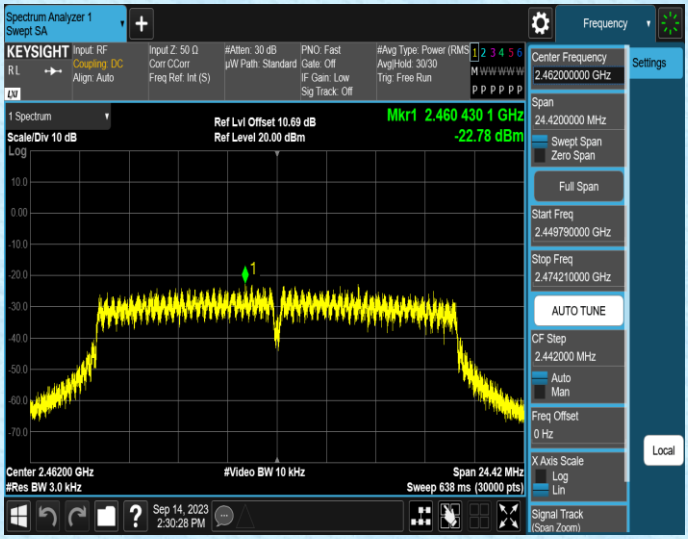
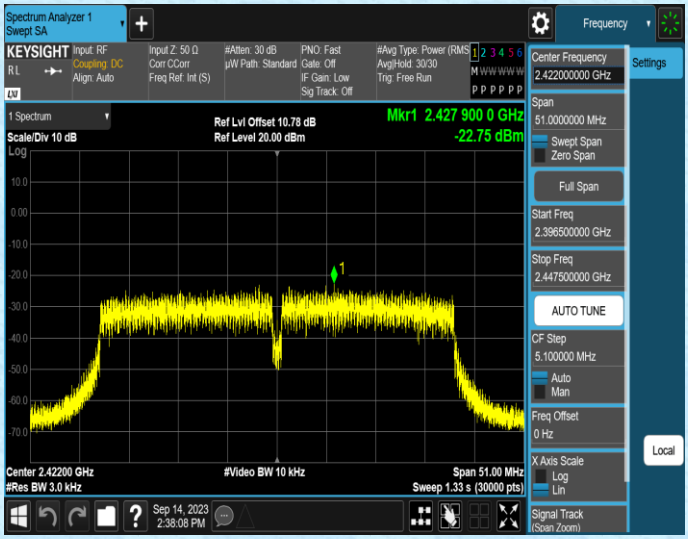


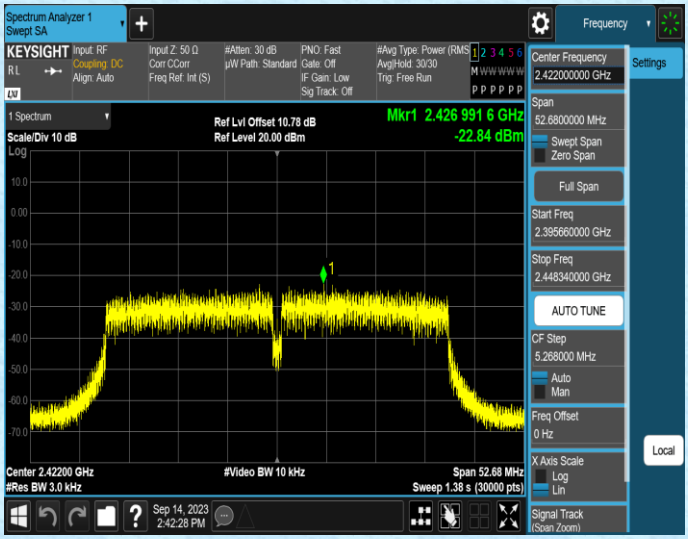
11N20MIMO-Ant1-2462



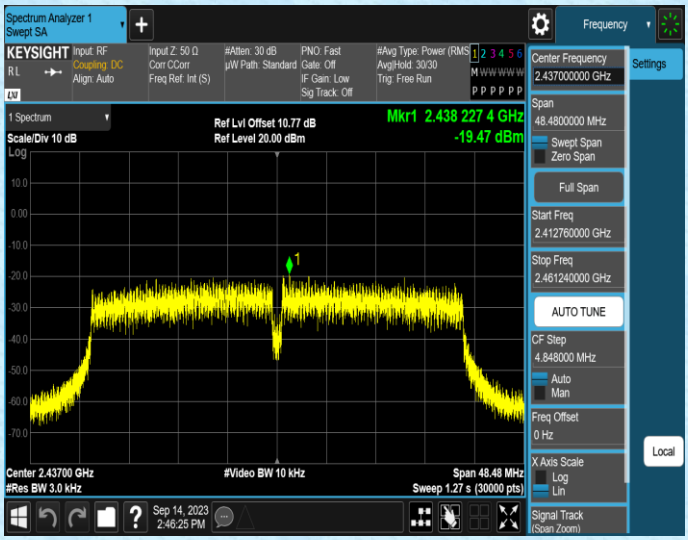
11N20MIMO-Ant2-2462



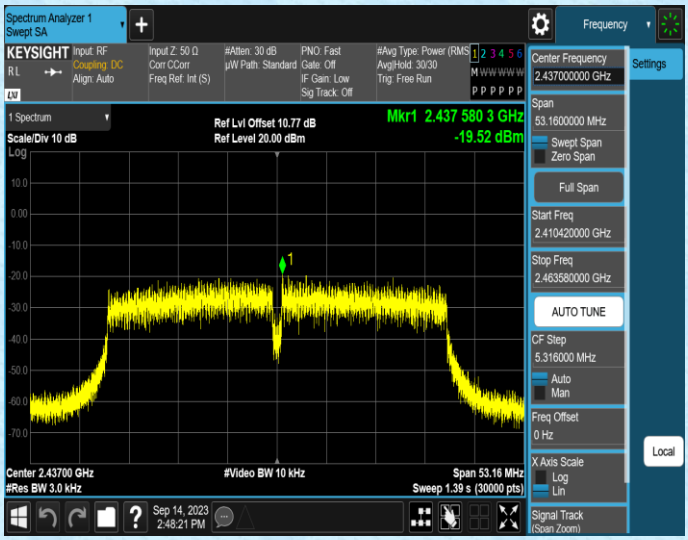
11N40MIMO-Ant1-2422



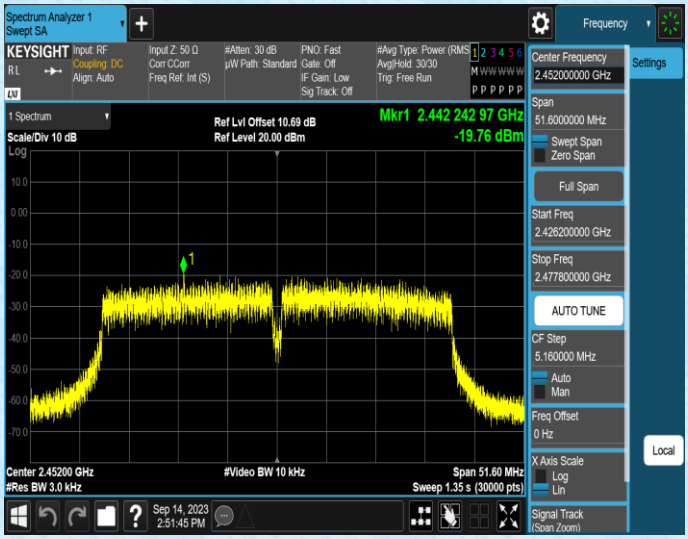
11N40MIMO-Ant2-2422



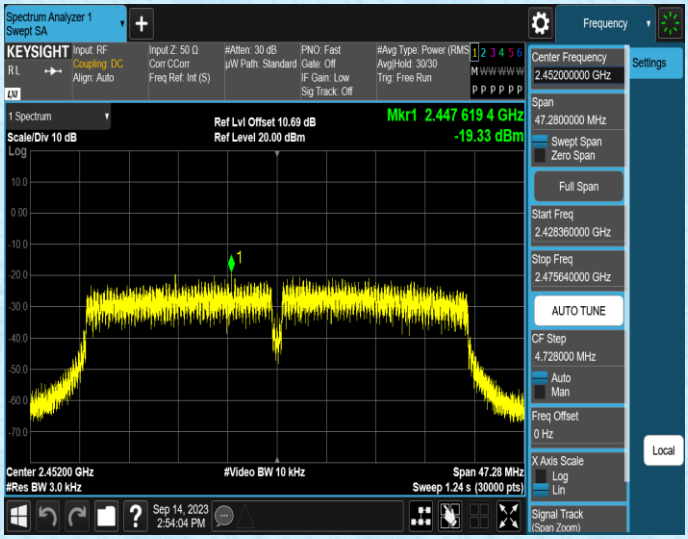
11N40MIMO-Ant1-2437



11N40MIMO-Ant2-2437



11N40MIMO-Ant1-2452



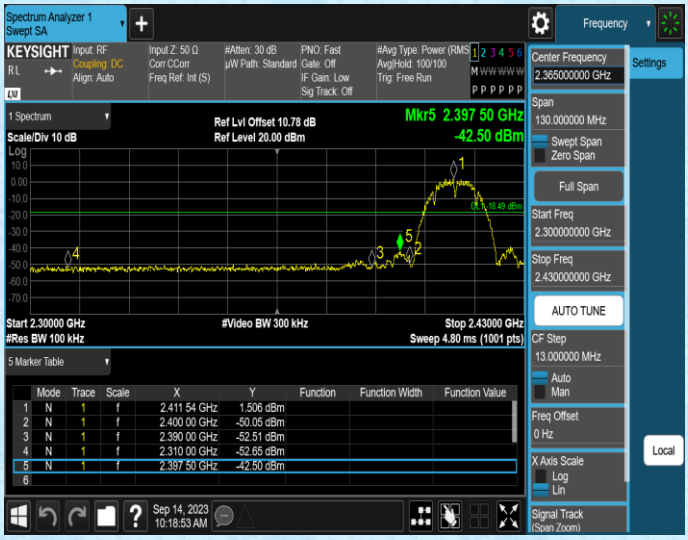
11N40MIMO-Ant2-2452

AppendixE:Band edge measurements

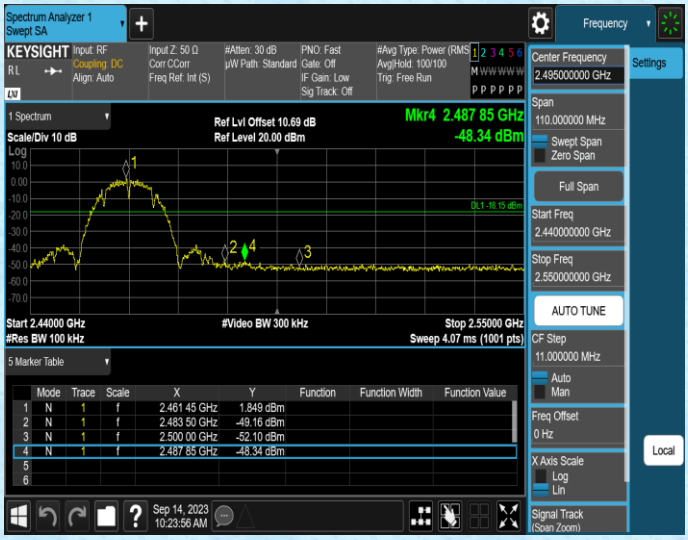
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	Rate	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1Mbps	1.51	-42.5	≤-18.49	PASS
11B	Ant1	High	2462	1Mbps	1.85	-48.34	≤-18.15	PASS
11B	Ant2	Low	2412	1Mbps	1.66	-45.94	≤-18.34	PASS
11B	Ant2	High	2462	1Mbps	1.03	-48.69	≤-18.97	PASS
11G	Ant1	Low	2412	6Mbps	-6.29	-41.13	≤-26.29	PASS
11G	Ant1	High	2462	6Mbps	-4.74	-48.5	≤-24.74	PASS
11G	Ant2	Low	2412	6Mbps	-3.99	-44.6	≤-23.99	PASS
11G	Ant2	High	2462	6Mbps	-4.31	-49.24	≤-24.31	PASS
11N20SISO	Ant1	Low	2412	MCS0	-4.94	-41.22	≤-24.94	PASS
11N20SISO	Ant1	High	2462	MCS0	-6.06	-48.83	≤-26.06	PASS
11N20SISO	Ant2	Low	2412	MCS0	-3.44	-42.47	≤-23.44	PASS
11N20SISO	Ant2	High	2462	MCS0	-4.73	-48.21	≤-24.73	PASS
11N40SISO	Ant1	Low	2422	MCS0	-6.69	-40.73	≤-26.69	PASS
11N40SISO	Ant1	High	2452	MCS0	-7.84	-46.7	≤-27.84	PASS
11N40SISO	Ant2	Low	2422	MCS0	-6.59	-46.37	≤-26.59	PASS
11N40SISO	Ant2	High	2452	MCS0	-6.04	-49.04	≤-26.04	PASS
11N20MIMO	Ant1	Low	2412	MCS0	-8.37	-44.83	≤-28.37	PASS
11N20MIMO	Ant2	Low	2412	MCS0	-1.68	-37.23	≤-21.68	PASS
11N20MIMO	Ant1	High	2462	MCS0	-8.92	-49.36	≤-28.92	PASS
11N20MIMO	Ant2	High	2462	MCS0	-9.27	-49.87	≤-29.27	PASS
11N40MIMO	Ant1	Low	2422	MCS0	-8.98	-42.3	≤-28.98	PASS
11N40MIMO	Ant2	Low	2422	MCS0	-9.56	-43.7	≤-29.56	PASS
11N40MIMO	Ant1	High	2452	MCS0	-5.87	-44.16	≤-25.87	PASS
11N40MIMO	Ant2	High	2452	MCS0	-6.07	-42.51	≤-26.07	PASS

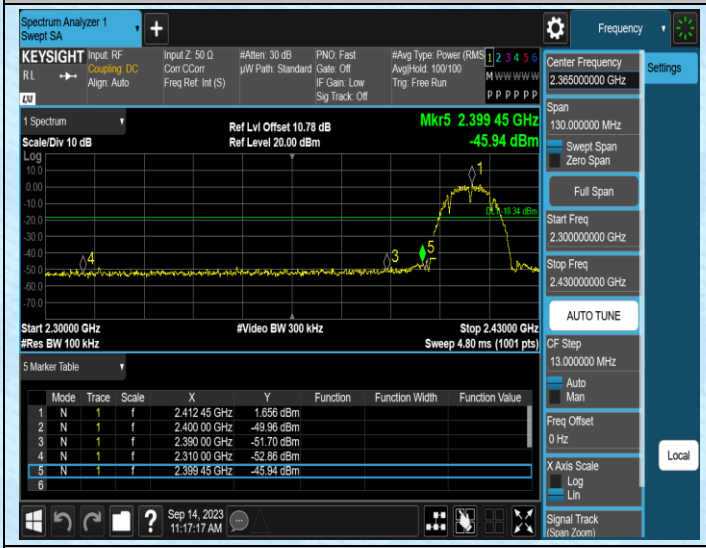
Test Graphs



11B-Ant1-2412

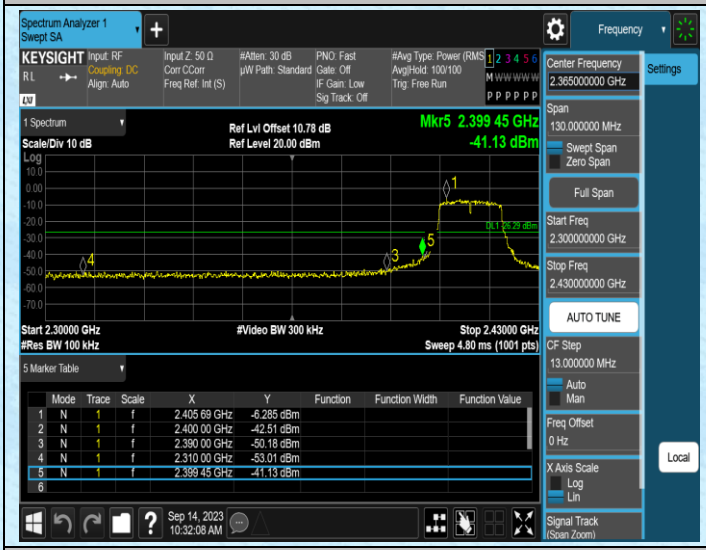


11B-Ant1-2462

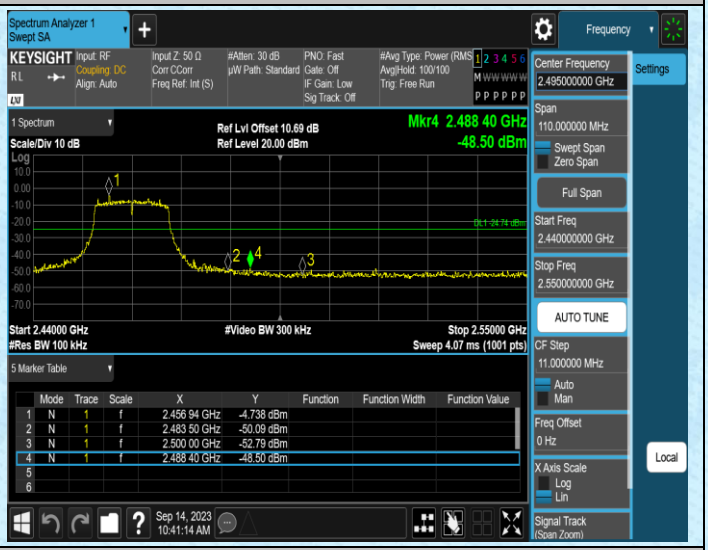


11B-Ant2-2412

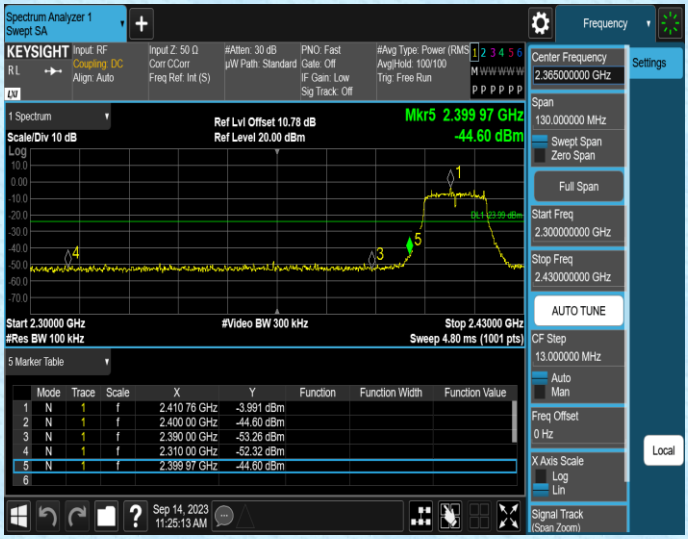
11B-Ant2-2462



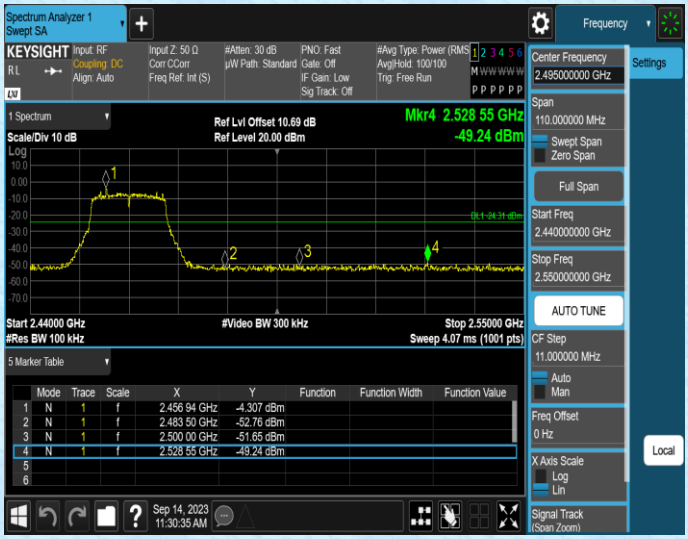
11G-Ant1-2412



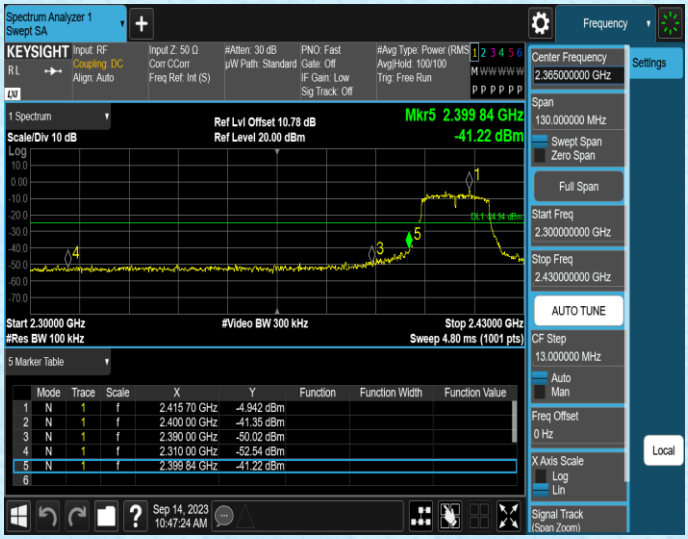
11G-Ant1-2462



11G-Ant2-2412

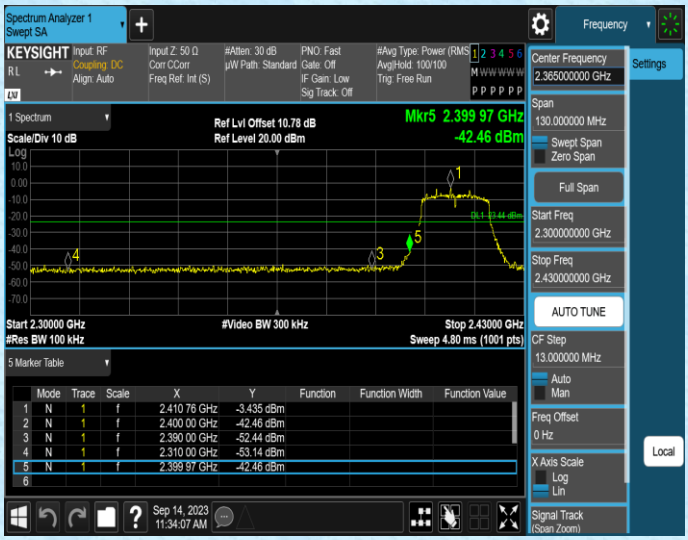


11G-Ant2-2462

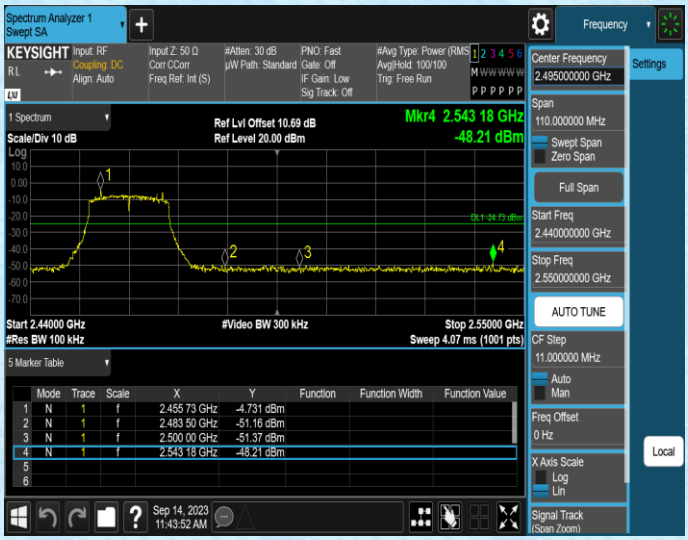


11N20SISO-Ant1-2412

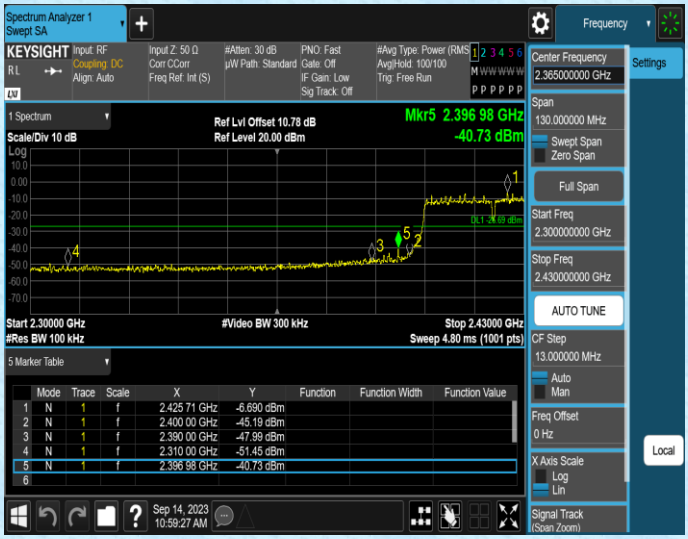
11N20SISO-Ant1-2462



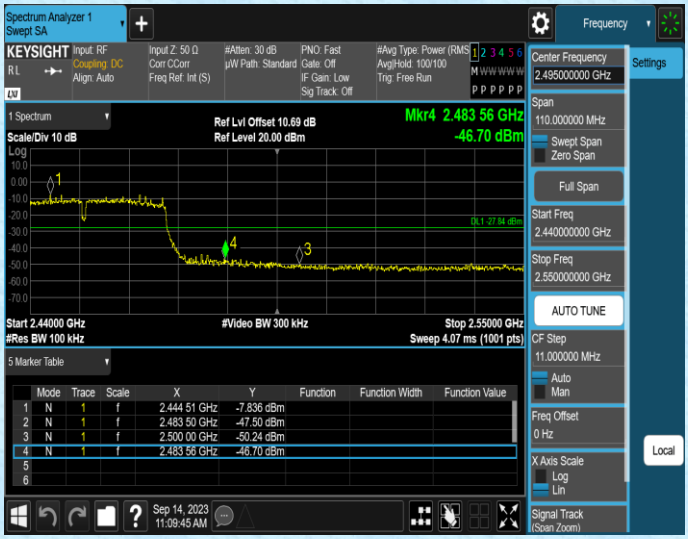
11N20SISO-Ant2-2412



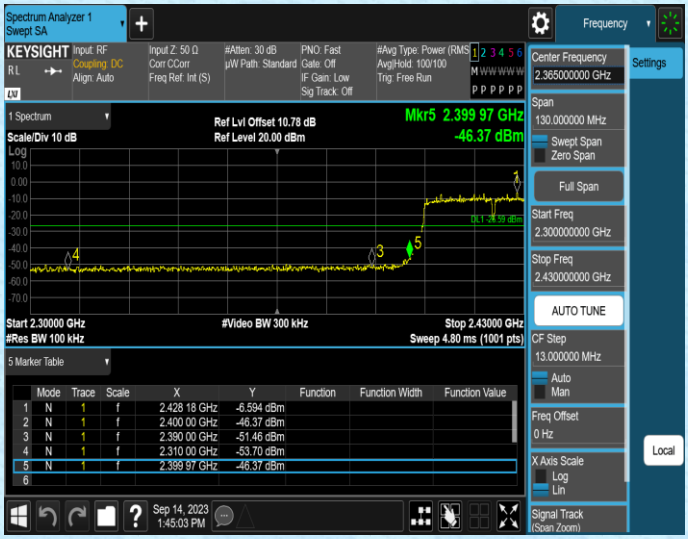
11N20SISO-Ant2-2462



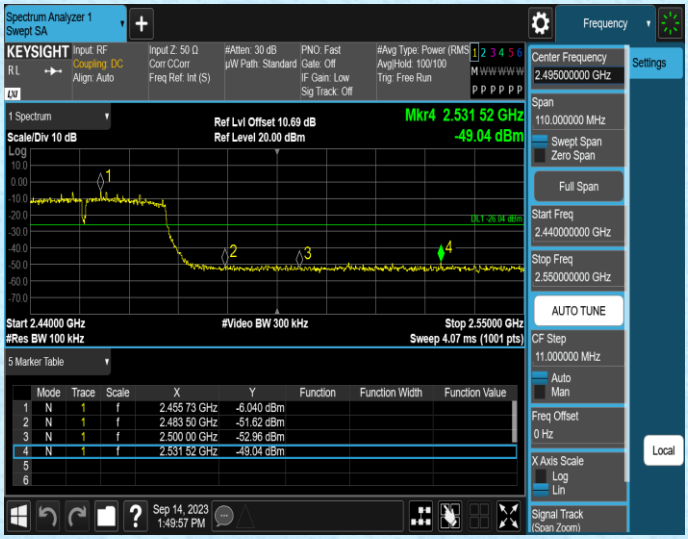
11N40SISO-Ant1-2422



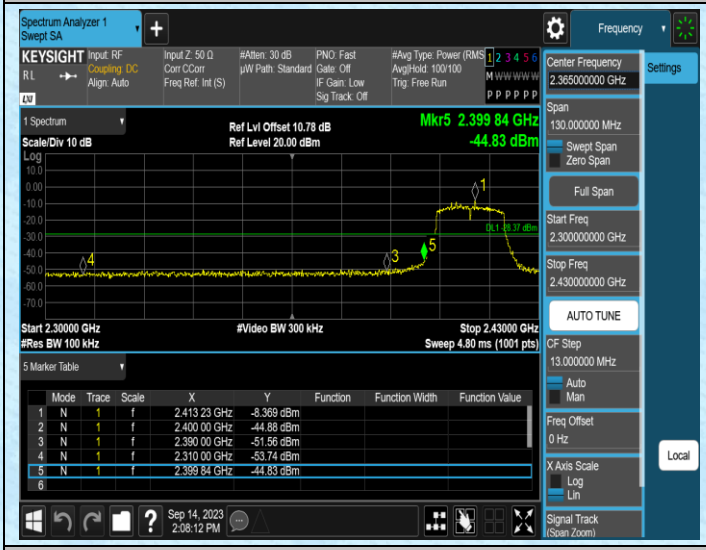
11N40SISO-Ant1-2452



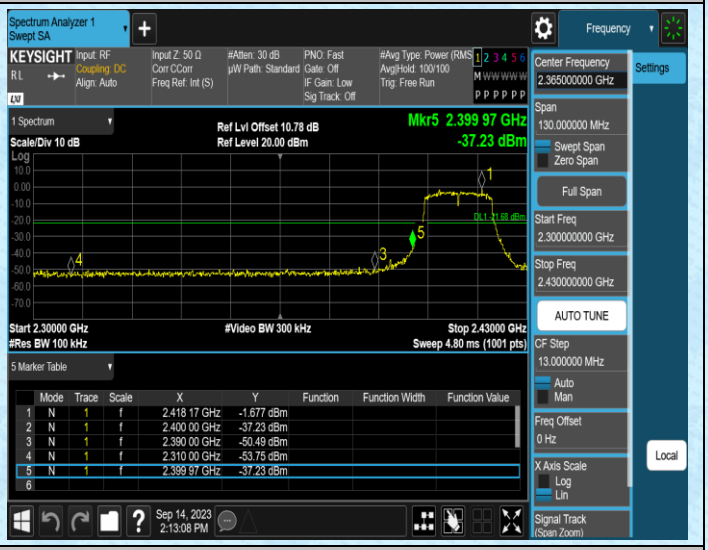
11N40SISO-Ant2-2422



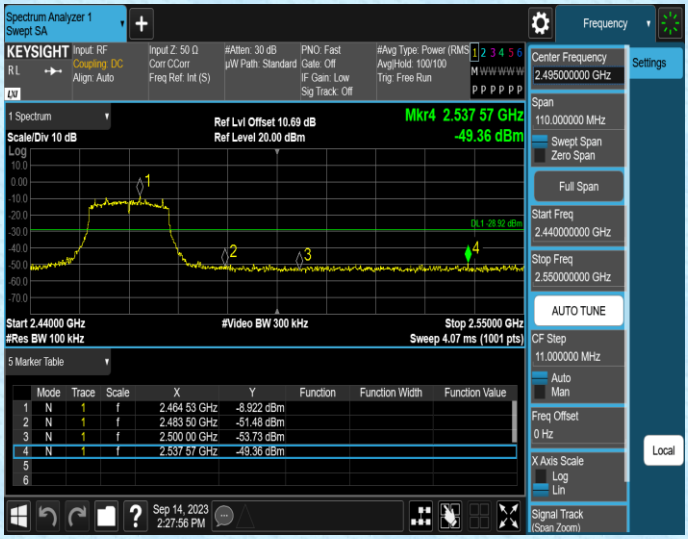
11N40SISO-Ant2-2452



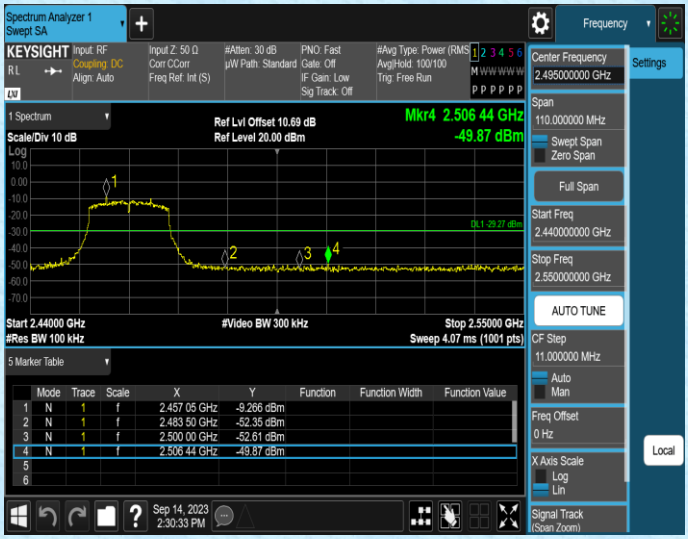
11N20MIMO-Ant1-2412



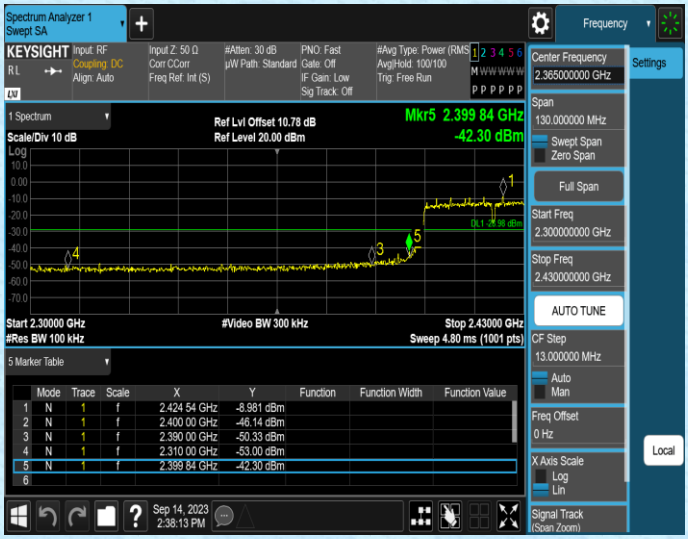
11N20MIMO-Ant2-2412



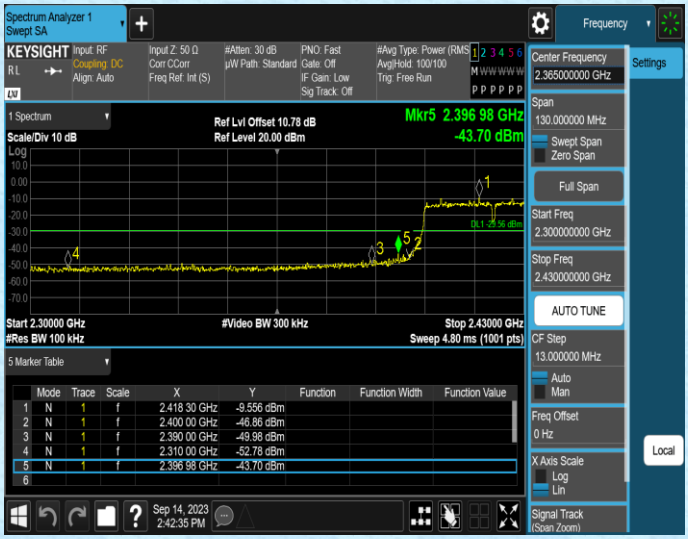
11N20MIMO-Ant1-2462



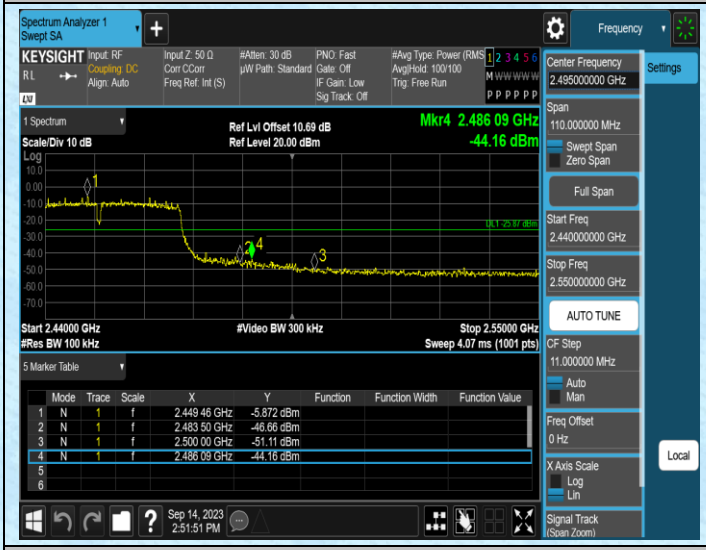
11N20MIMO-Ant2-2462



11N40MIMO-Ant1-2422



11N40MIMO-Ant2-2422



11N40MIMO-Ant1-2452

11N40MIMO-Ant2-2452

AppendixF:Conducted Spurious Emission

Test Result

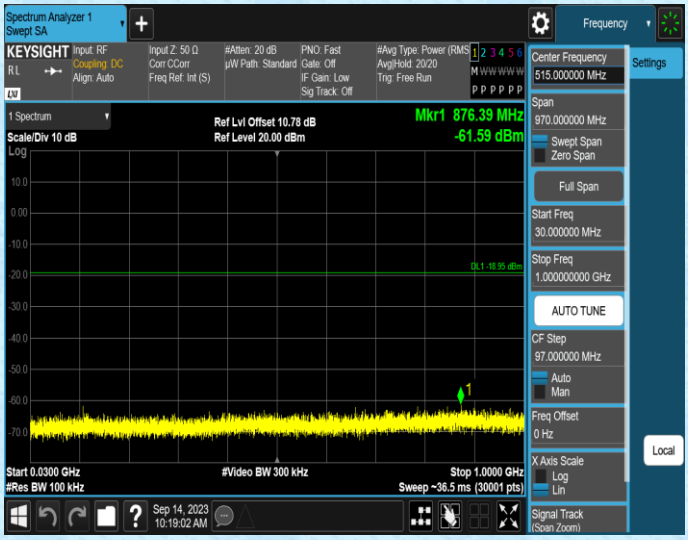
Test Mode	Antenna	Frequency[MHz]	Rate	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	1Mbps	0~Reference	1.05	1.05	---	PASS
11B	Ant1	2412	1Mbps	30~1000	1.05	-61.59	≤-18.95	PASS
11B	Ant1	2412	1Mbps	1000~26500	1.05	-40.66	≤-18.95	PASS
11B	Ant1	2437	1Mbps	0~Reference	-0.14	-0.14	---	PASS
11B	Ant1	2437	1Mbps	30~1000	-0.14	-61.86	≤-20.14	PASS
11B	Ant1	2437	1Mbps	1000~26500	-0.14	-36.42	≤-20.14	PASS
11B	Ant1	2462	1Mbps	0~Reference	0.69	0.69	---	PASS
11B	Ant1	2462	1Mbps	30~1000	0.69	-61.4	≤-19.31	PASS
11B	Ant1	2462	1Mbps	1000~26500	0.69	-36.1	≤-19.31	PASS
11B	Ant2	2412	1Mbps	0~Reference	0.16	0.16	---	PASS
11B	Ant2	2412	1Mbps	30~1000	0.16	-61.8	≤-19.84	PASS
11B	Ant2	2412	1Mbps	1000~26500	0.16	-49.02	≤-19.84	PASS
11B	Ant2	2437	1Mbps	0~Reference	1.67	1.67	---	PASS
11B	Ant2	2437	1Mbps	30~1000	1.67	-61.79	≤-18.33	PASS
11B	Ant2	2437	1Mbps	1000~26500	1.67	-50.24	≤-18.33	PASS
11B	Ant2	2462	1Mbps	0~Reference	0.56	0.56	---	PASS
11B	Ant2	2462	1Mbps	30~1000	0.56	-46.42	≤-19.44	PASS
11B	Ant2	2462	1Mbps	1000~26500	0.56	-47.33	≤-19.44	PASS
11G	Ant1	2412	6Mbps	0~Reference	-7.58	-7.58	---	PASS
11G	Ant1	2412	6Mbps	30~1000	-7.58	-47.46	≤-27.58	PASS
11G	Ant1	2412	6Mbps	1000~26500	-7.58	-49.46	≤-27.58	PASS
11G	Ant1	2437	6Mbps	0~Reference	-7.35	-7.35	---	PASS
11G	Ant1	2437	6Mbps	30~1000	-7.35	-61.56	≤-27.35	PASS
11G	Ant1	2437	6Mbps	1000~26500	-7.35	-49.28	≤-27.35	PASS
11G	Ant1	2462	6Mbps	0~Reference	-6.97	-6.97	---	PASS
11G	Ant1	2462	6Mbps	30~1000	-6.97	-62.04	≤-26.97	PASS
11G	Ant1	2462	6Mbps	1000~26500	-6.97	-48.92	≤-26.97	PASS
11G	Ant2	2412	6Mbps	0~Reference	-7.27	-7.27	---	PASS
11G	Ant2	2412	6Mbps	30~1000	-7.27	-61.95	≤-27.27	PASS
11G	Ant2	2412	6Mbps	1000~26500	-7.27	-49.69	≤-27.27	PASS
11G	Ant2	2437	6Mbps	0~Reference	-7.09	-7.09	---	PASS
11G	Ant2	2437	6Mbps	30~1000	-7.09	-61.4	≤-27.09	PASS
11G	Ant2	2437	6Mbps	1000~26500	-7.09	-49.63	≤-27.09	PASS
11G	Ant2	2462	6Mbps	0~Reference	-7.57	-7.57	---	PASS
11G	Ant2	2462	6Mbps	30~1000	-7.57	-61.48	≤-27.57	PASS
11G	Ant2	2462	6Mbps	1000~26500	-7.57	-45.41	≤-27.57	PASS
11N20SISO	Ant1	2412	MCS0	0~Reference	-7.33	-7.33	---	PASS

11N20SISO	Ant1	2412	MCS0	30~1000	-7.33	-62	≤-27.33	PASS
11N20SISO	Ant1	2412	MCS0	1000~26500	-7.33	-49.92	≤-27.33	PASS
11N20SISO	Ant1	2437	MCS0	0~Reference	-8.10	-8.10	---	PASS
11N20SISO	Ant1	2437	MCS0	30~1000	-8.10	-43.44	≤-28.1	PASS
11N20SISO	Ant1	2437	MCS0	1000~26500	-8.10	-50.06	≤-28.1	PASS
11N20SISO	Ant1	2462	MCS0	0~Reference	-8.15	-8.15	---	PASS
11N20SISO	Ant1	2462	MCS0	30~1000	-8.15	-59.53	≤-28.15	PASS
11N20SISO	Ant1	2462	MCS0	1000~26500	-8.15	-50.61	≤-28.15	PASS
11N20SISO	Ant2	2412	MCS0	0~Reference	-7.38	-7.38	---	PASS
11N20SISO	Ant2	2412	MCS0	30~1000	-7.38	-61.5	≤-27.38	PASS
11N20SISO	Ant2	2412	MCS0	1000~26500	-7.38	-42.27	≤-27.38	PASS
11N20SISO	Ant2	2437	MCS0	0~Reference	-7.65	-7.65	---	PASS
11N20SISO	Ant2	2437	MCS0	30~1000	-7.65	-61.8	≤-27.65	PASS
11N20SISO	Ant2	2437	MCS0	1000~26500	-7.65	-49.71	≤-27.65	PASS
11N20SISO	Ant2	2462	MCS0	0~Reference	-7.96	-7.96	---	PASS
11N20SISO	Ant2	2462	MCS0	30~1000	-7.96	-51.59	≤-27.96	PASS
11N20SISO	Ant2	2462	MCS0	1000~26500	-7.96	-49.58	≤-27.96	PASS
11N40SISO	Ant1	2422	MCS0	0~Reference	-7.30	-7.30	---	PASS
11N40SISO	Ant1	2422	MCS0	30~1000	-7.30	-61.06	≤-27.3	PASS
11N40SISO	Ant1	2422	MCS0	1000~26500	-7.30	-50.4	≤-27.3	PASS
11N40SISO	Ant1	2437	MCS0	0~Reference	-9.00	-9.00	---	PASS
11N40SISO	Ant1	2437	MCS0	30~1000	-9.00	-60.48	≤-29	PASS
11N40SISO	Ant1	2437	MCS0	1000~26500	-9.00	-49.53	≤-29	PASS
11N40SISO	Ant1	2452	MCS0	0~Reference	-10.74	-10.74	---	PASS
11N40SISO	Ant1	2452	MCS0	30~1000	-10.74	-60	≤-30.74	PASS
11N40SISO	Ant1	2452	MCS0	1000~26500	-10.74	-49.77	≤-30.74	PASS
11N40SISO	Ant2	2422	MCS0	0~Reference	-6.41	-6.41	---	PASS
11N40SISO	Ant2	2422	MCS0	30~1000	-6.41	-62.26	≤-26.41	PASS
11N40SISO	Ant2	2422	MCS0	1000~26500	-6.41	-49.22	≤-26.41	PASS
11N40SISO	Ant2	2437	MCS0	0~Reference	-7.59	-7.59	---	PASS
11N40SISO	Ant2	2437	MCS0	30~1000	-7.59	-62.14	≤-27.59	PASS
11N40SISO	Ant2	2437	MCS0	1000~26500	-7.59	-50.09	≤-27.59	PASS
11N40SISO	Ant2	2452	MCS0	0~Reference	-10.15	-10.15	---	PASS
11N40SISO	Ant2	2452	MCS0	30~1000	-10.15	-53.18	≤-30.15	PASS
11N40SISO	Ant2	2452	MCS0	1000~26500	-10.15	-50.51	≤-30.15	PASS
11N20MIMO	Ant1	2412	MCS0	0~Reference	-11.56	-11.56	---	PASS
11N20MIMO	Ant1	2412	MCS0	30~1000	-11.56	-46.03	≤-31.56	PASS
11N20MIMO	Ant1	2412	MCS0	1000~26500	-11.56	-49.08	≤-31.56	PASS
11N20MIMO	Ant2	2412	MCS0	0~Reference	-3.49	-3.49	---	PASS
11N20MIMO	Ant2	2412	MCS0	30~1000	-3.49	-62.28	≤-23.49	PASS
11N20MIMO	Ant2	2412	MCS0	1000~26500	-3.49	-49.95	≤-23.49	PASS
11N20MIMO	Ant1	2437	MCS0	0~Reference	-11.17	-11.17	---	PASS
11N20MIMO	Ant1	2437	MCS0	30~1000	-11.17	-45.74	≤-31.17	PASS

11N20MIMO	Ant1	2437	MCS0	1000~26500	-11.17	-50.46	≤-31.17	PASS
11N20MIMO	Ant2	2437	MCS0	0~Reference	-2.80	-2.80	---	PASS
11N20MIMO	Ant2	2437	MCS0	30~1000	-2.80	-60.77	≤-22.8	PASS
11N20MIMO	Ant2	2437	MCS0	1000~26500	-2.80	-49.49	≤-22.8	PASS
11N20MIMO	Ant1	2462	MCS0	0~Reference	-9.92	-9.92	---	PASS
11N20MIMO	Ant1	2462	MCS0	30~1000	-9.92	-60.57	≤-29.92	PASS
11N20MIMO	Ant1	2462	MCS0	1000~26500	-9.92	-49.98	≤-29.92	PASS
11N20MIMO	Ant2	2462	MCS0	0~Reference	-10.63	-10.63	---	PASS
11N20MIMO	Ant2	2462	MCS0	30~1000	-10.63	-61.05	≤-30.63	PASS
11N20MIMO	Ant2	2462	MCS0	1000~26500	-10.63	-50.41	≤-30.63	PASS
11N40MIMO	Ant1	2422	MCS0	0~Reference	-10.43	-10.43	---	PASS
11N40MIMO	Ant1	2422	MCS0	30~1000	-10.43	-60.61	≤-30.43	PASS
11N40MIMO	Ant1	2422	MCS0	1000~26500	-10.43	-50.25	≤-30.43	PASS
11N40MIMO	Ant2	2422	MCS0	0~Reference	-11.39	-11.39	---	PASS
11N40MIMO	Ant2	2422	MCS0	30~1000	-11.39	-61.37	≤-31.39	PASS
11N40MIMO	Ant2	2422	MCS0	1000~26500	-11.39	-49.92	≤-31.39	PASS
11N40MIMO	Ant1	2437	MCS0	0~Reference	-6.88	-6.88	---	PASS
11N40MIMO	Ant1	2437	MCS0	30~1000	-6.88	-60.88	≤-26.88	PASS
11N40MIMO	Ant1	2437	MCS0	1000~26500	-6.88	-49.84	≤-26.88	PASS
11N40MIMO	Ant2	2437	MCS0	0~Reference	-7.10	-7.10	---	PASS
11N40MIMO	Ant2	2437	MCS0	30~1000	-7.10	-52.46	≤-27.1	PASS
11N40MIMO	Ant2	2437	MCS0	1000~26500	-7.10	-47.97	≤-27.1	PASS
11N40MIMO	Ant1	2452	MCS0	0~Reference	-6.02	-6.02	---	PASS
11N40MIMO	Ant1	2452	MCS0	30~1000	-6.02	-55.57	≤-26.02	PASS
11N40MIMO	Ant1	2452	MCS0	1000~26500	-6.02	-50.3	≤-26.02	PASS
11N40MIMO	Ant2	2452	MCS0	0~Reference	-5.39	-5.39	---	PASS
11N40MIMO	Ant2	2452	MCS0	30~1000	-5.39	-49.06	≤-25.39	PASS
11N40MIMO	Ant2	2452	MCS0	1000~26500	-5.39	-50.51	≤-25.39	PASS

Test Graphs

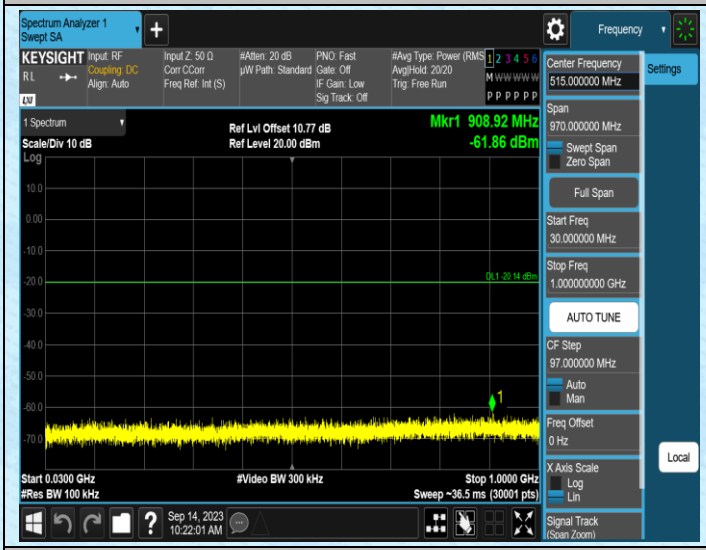
11B-Ant1-2412-0~Reference



11B-Ant1-2412-30~1000

11B-Ant1-2412-1000~26500

11B-Ant1-2437-0~Reference



11B-Ant1-2437-30~1000

11B-Ant1-2437-1000~26500