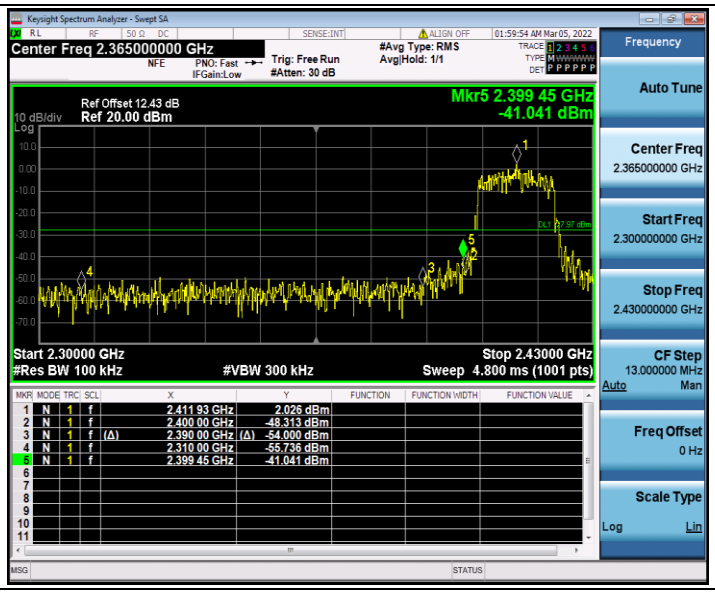
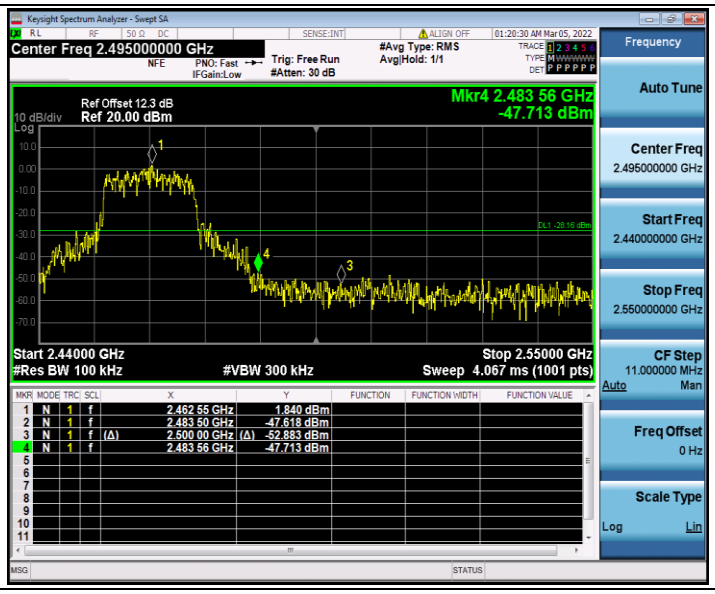
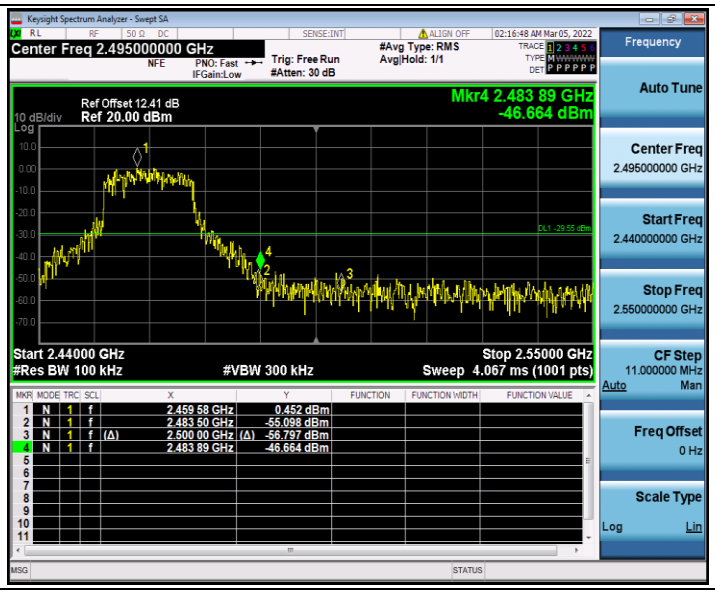


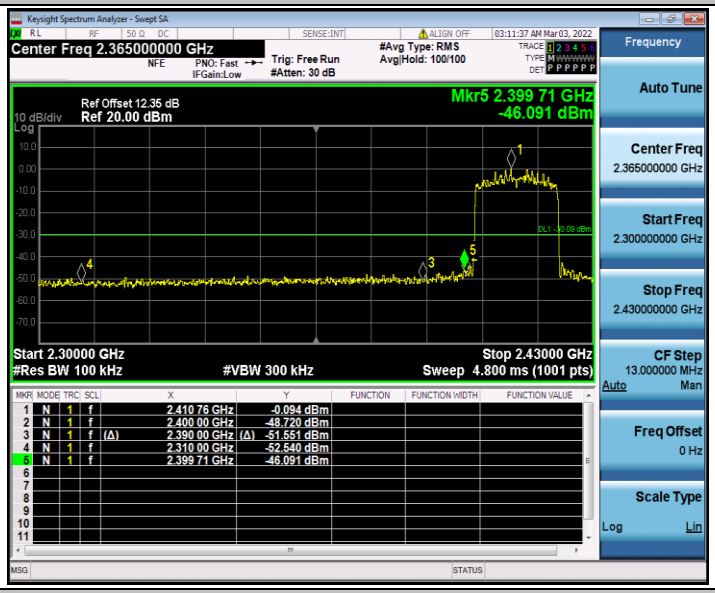
11AC20SISO_Ant1_High_2462



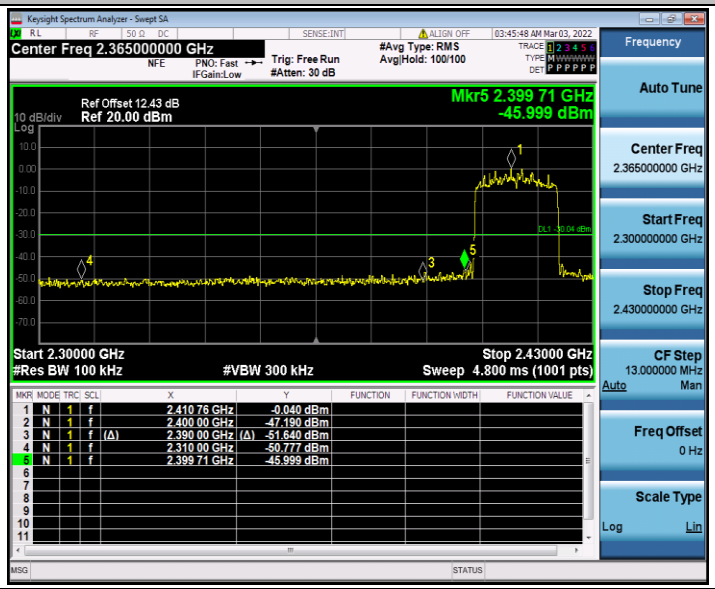
11AC20SISO_Ant2_High_2462



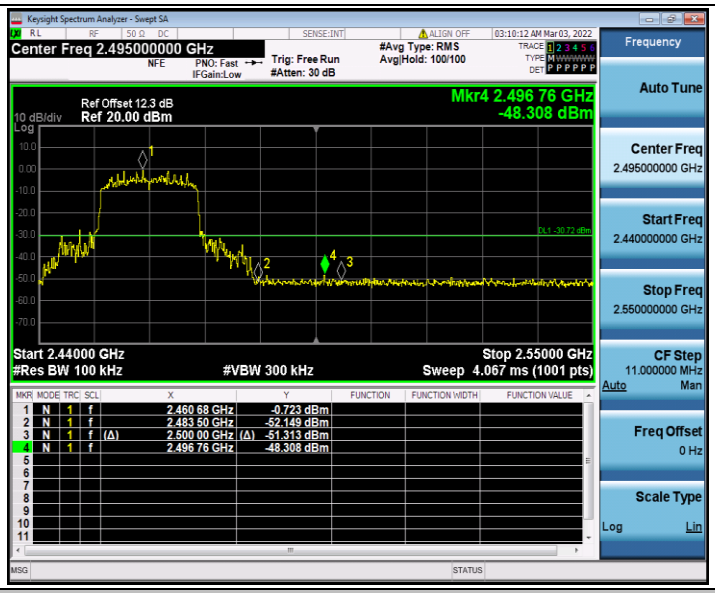
11AX20SISO_Ant1_Low_2412



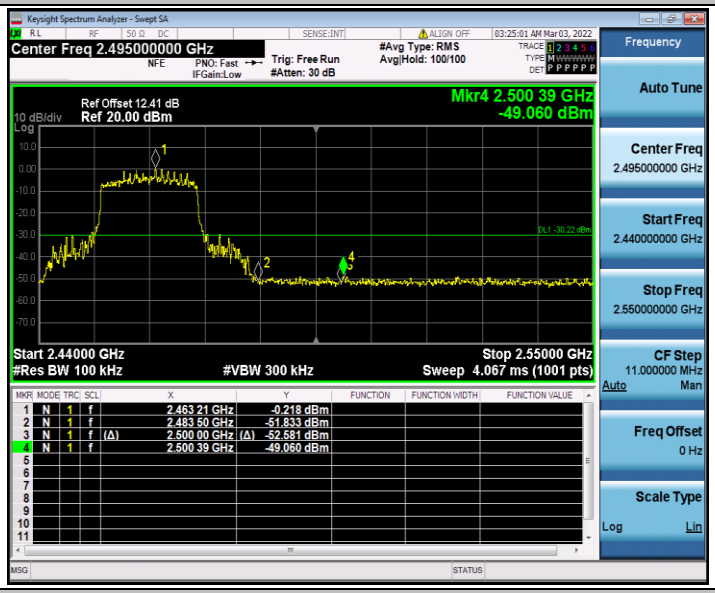
11AX20SISO_Ant2_Low_2412



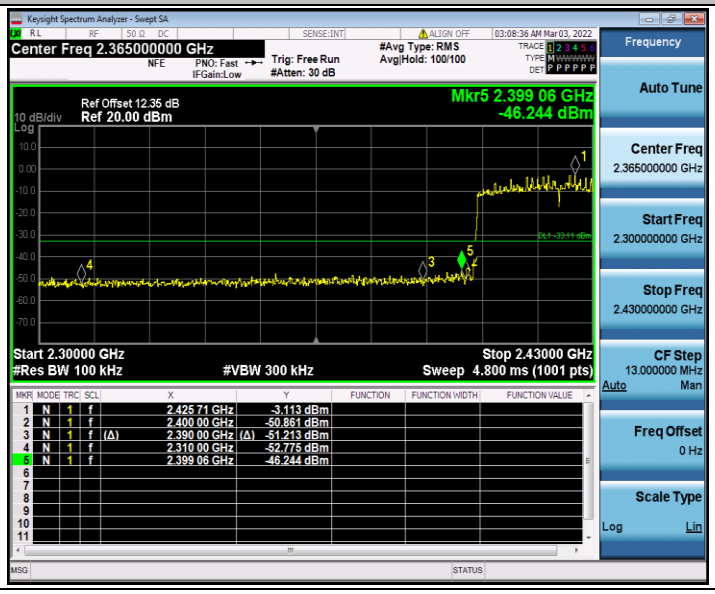
11AX20SISO_Ant1_High_2462



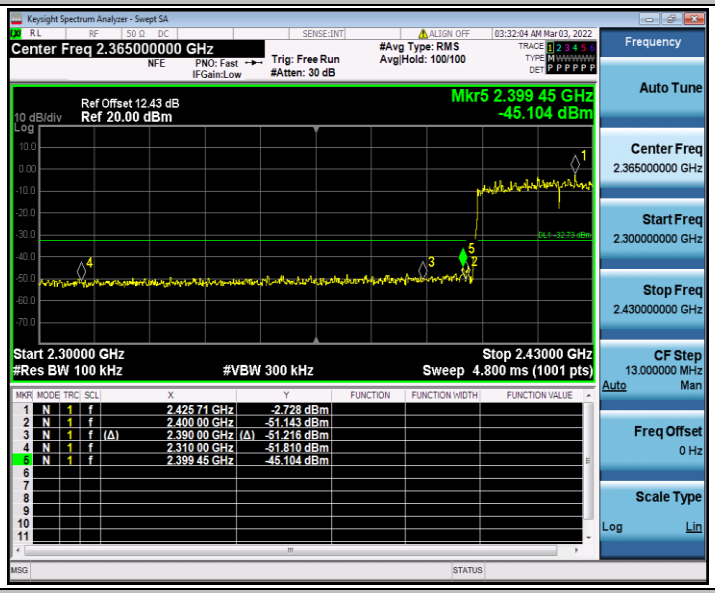
11AX20SISO_Ant2_High_2462



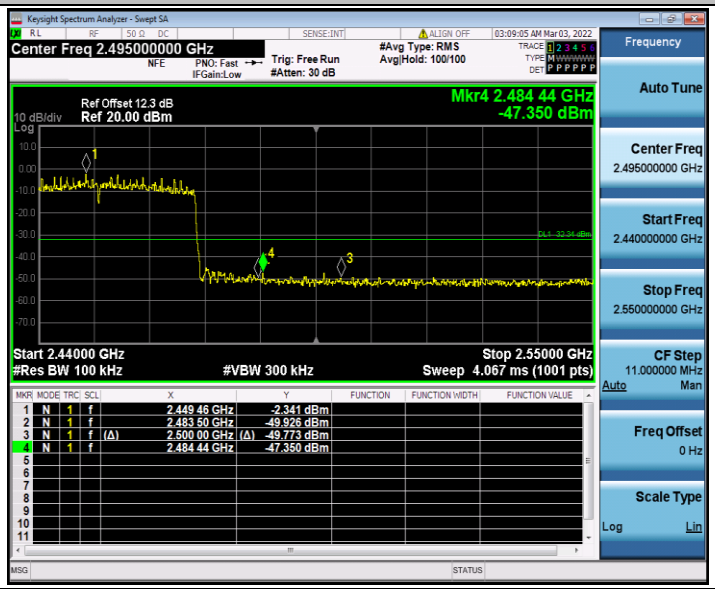
11AX40SISO_Ant1_Low_2422



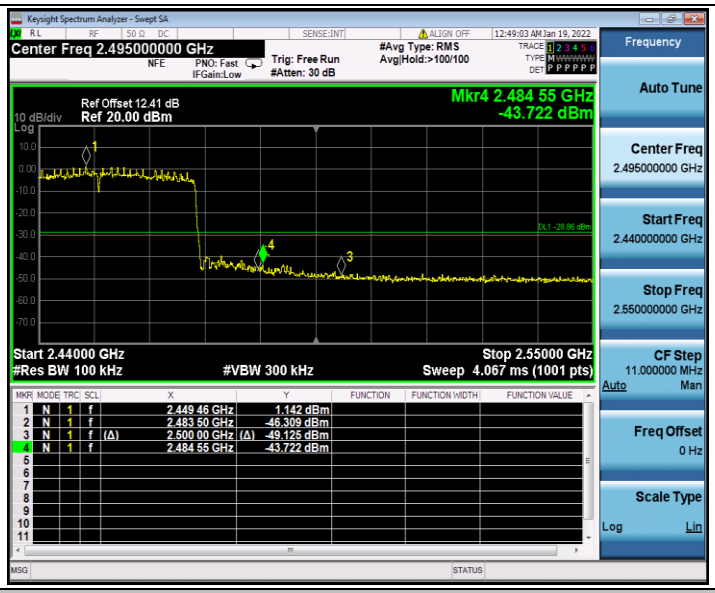
11AX40SISO_Ant2_Low_2422



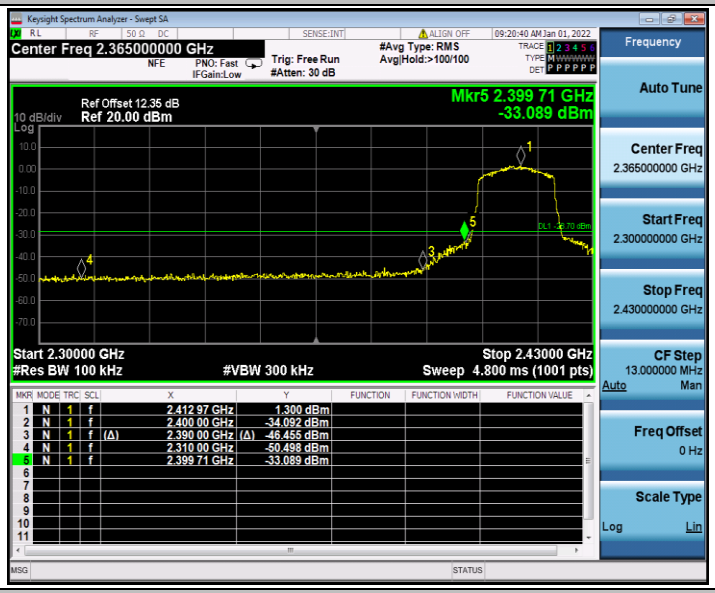
11AX40SISO_Ant1_High_2452



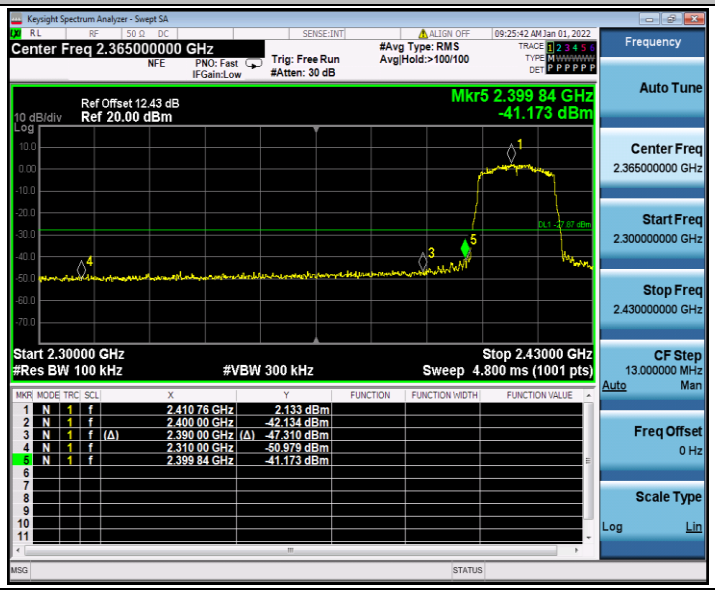
11AX40SISO_Ant2_High_2452



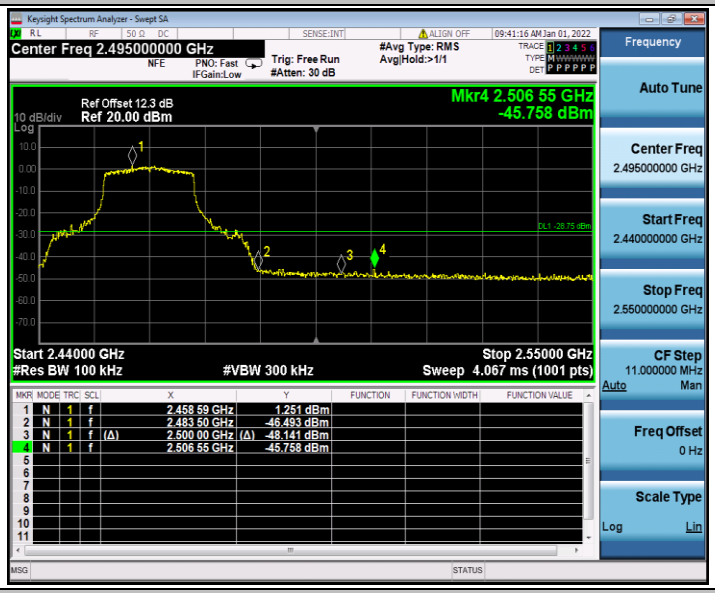
11N20MIMO_Ant1_Low_2412



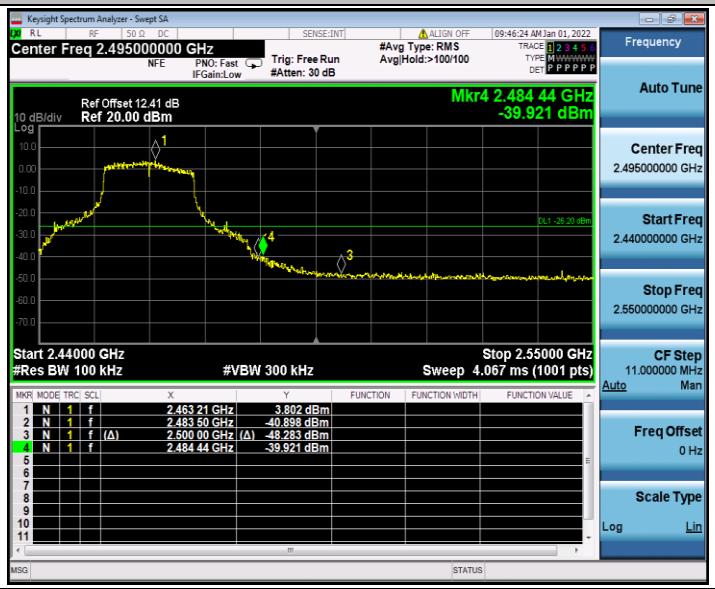
11N20MIMO_Ant2_Low_2412



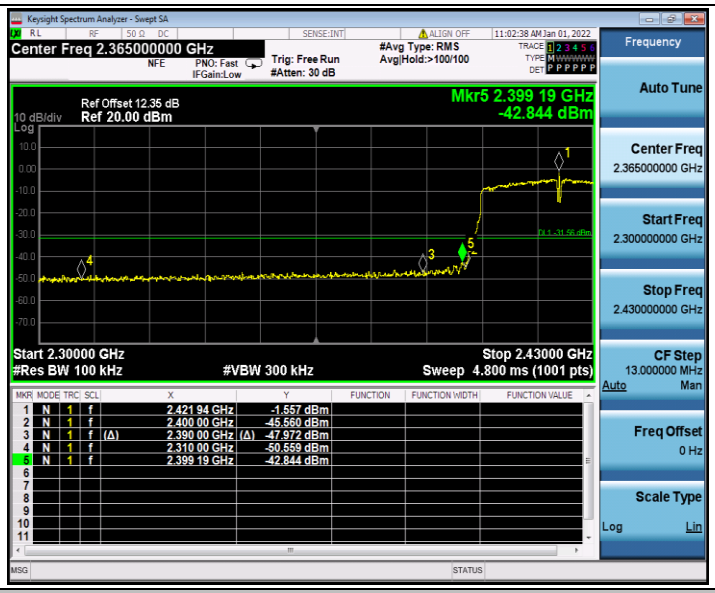
11N20MIMO_Ant1_High_2462



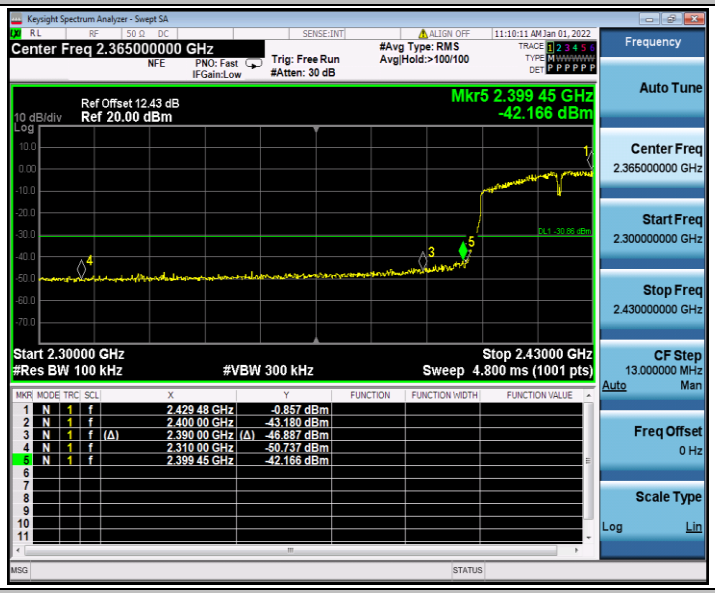
11N20MIMO_Ant2_High_2462



11N40MIMO_Ant1_Low_2422

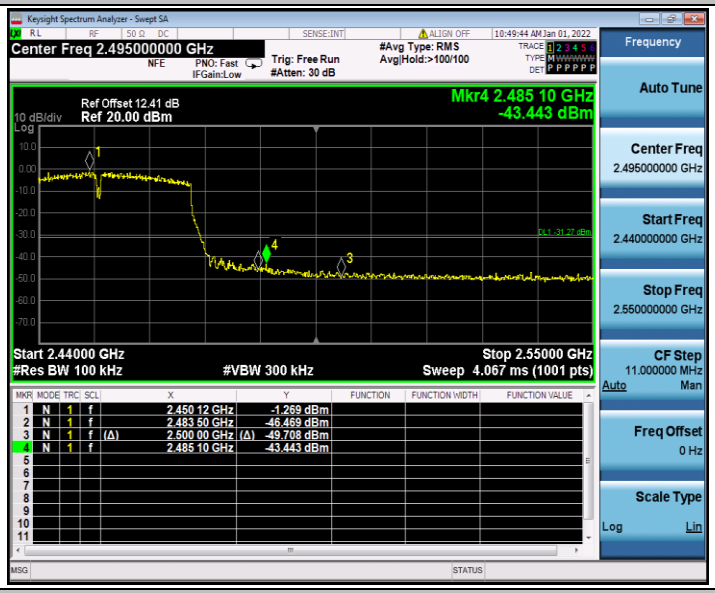


11N40MIMO_Ant2_Low_2422

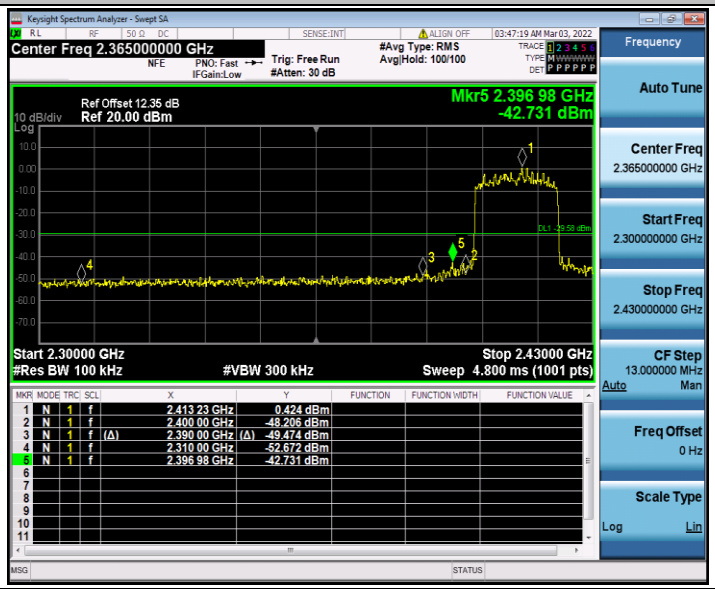


11N40MIMO_Ant1_High_2452

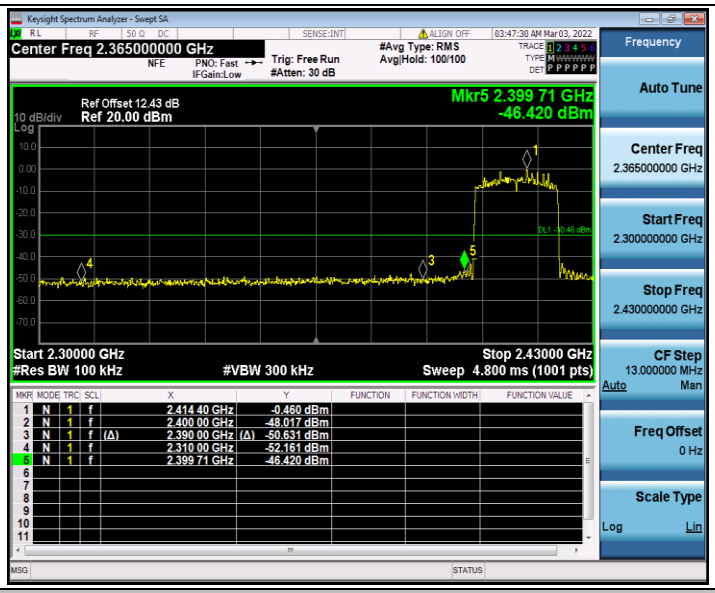
11N40MIMO_Ant2_High_2452



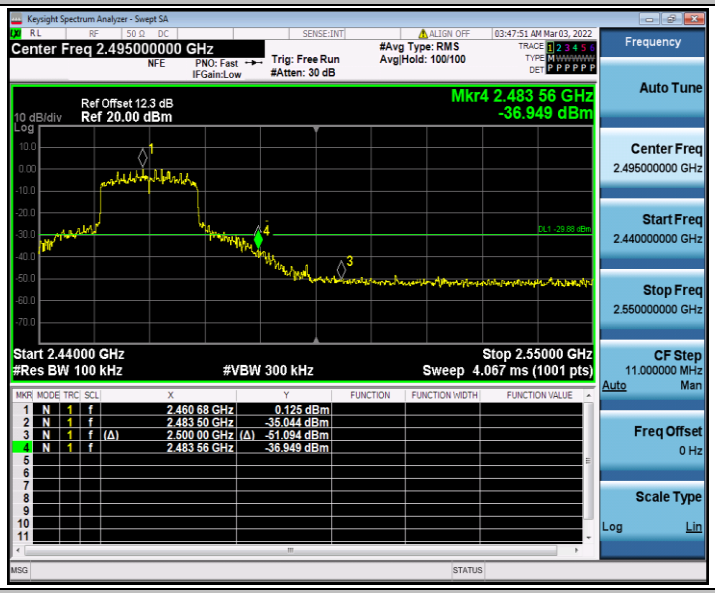
11AX20MIMO_Ant1_Low_2412



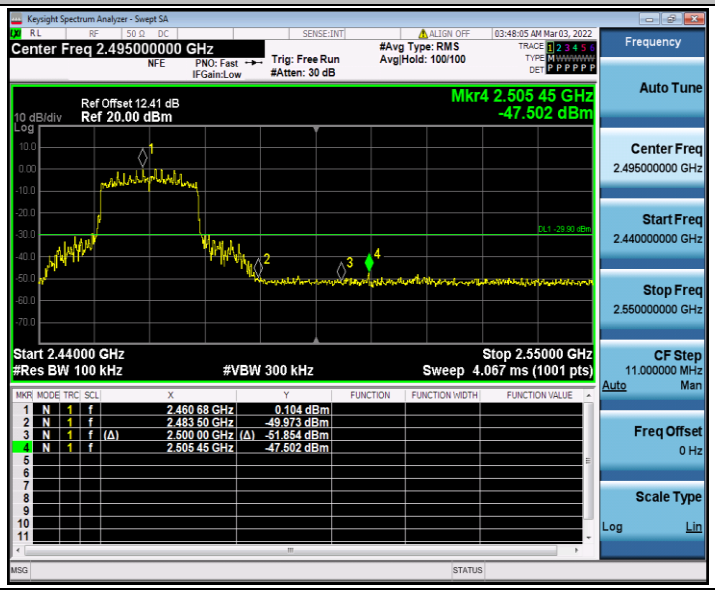
11AX20MIMO_Ant2_Low_2412



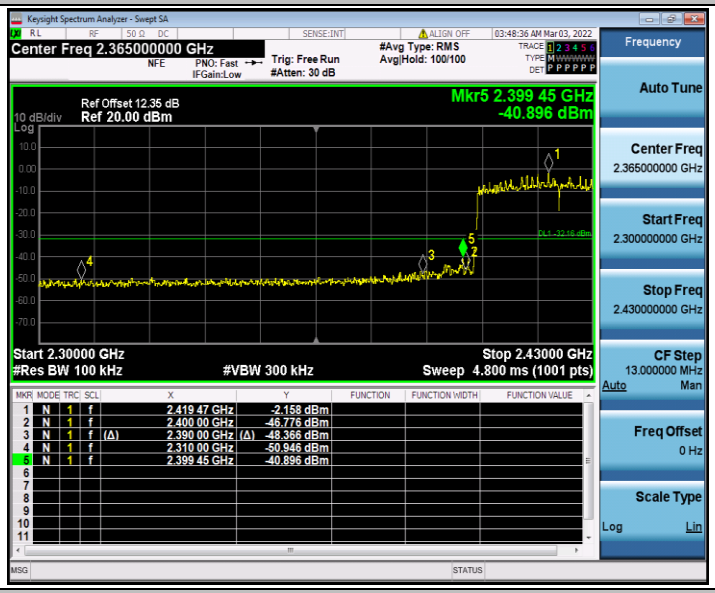
11AX20MIMO_Ant1_High_2462



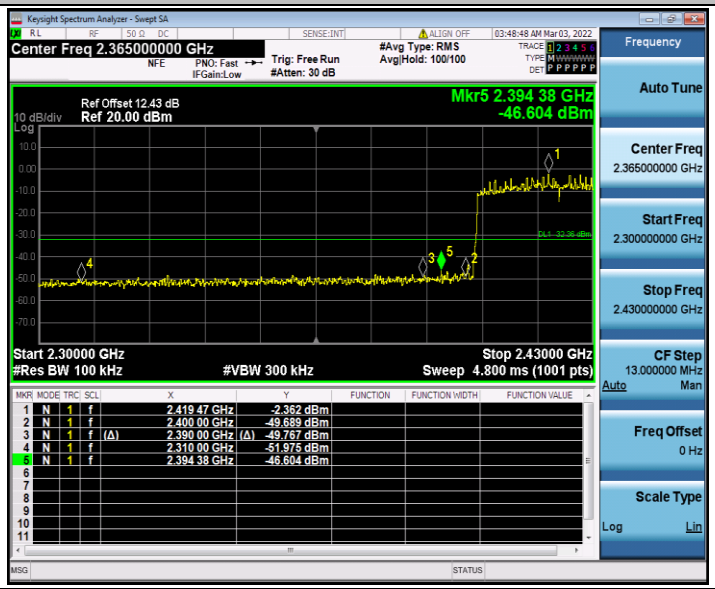
11AX20MIMO_Ant2_High_2462



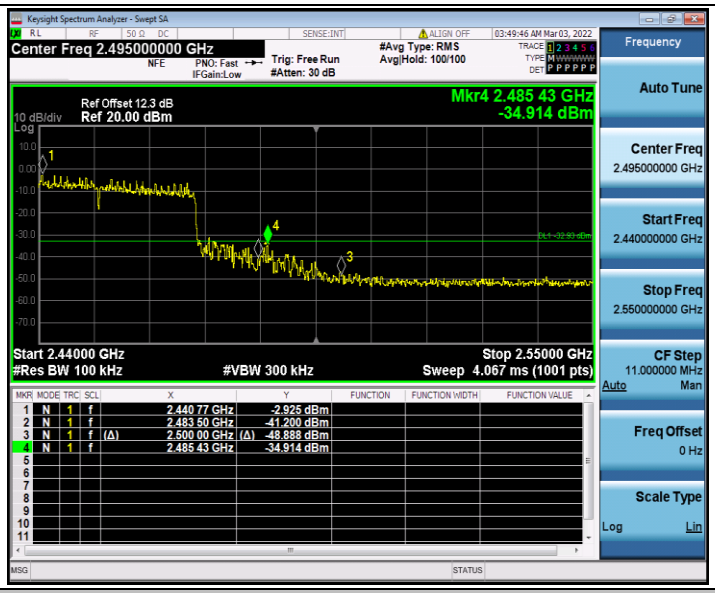
11AX40MIMO_Ant1_Low_2422



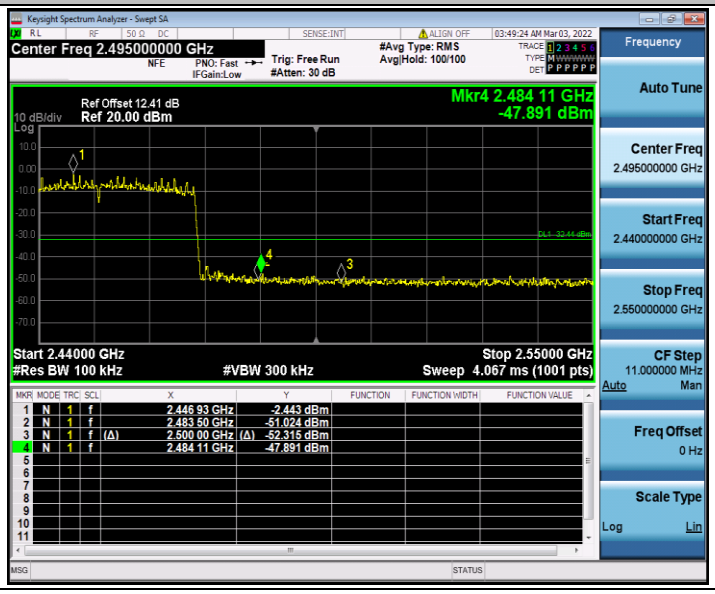
11AX40MIMO_Ant2_Low_2422



11AX40MIMO_Ant1_High_2452



11AX40MIMO_Ant2_High_2452



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.89	6.89	---	PASS
			30~1000	6.89	-60.94	≤-23.12	PASS
			1000~26500	6.89	-51.36	≤-23.12	PASS
	Ant2	2412	Reference	6.72	6.72	---	PASS
			30~1000	6.72	-60.92	≤-23.28	PASS
			1000~26500	6.72	-47.86	≤-23.28	PASS
	Ant1	2437	Reference	7.48	7.48	---	PASS
			30~1000	7.48	-61.26	≤-22.52	PASS
			1000~26500	7.48	-48.64	≤-22.52	PASS
	Ant2	2437	Reference	7.71	7.71	---	PASS
			30~1000	7.71	-61.08	≤-22.3	PASS
			1000~26500	7.71	-46.83	≤-22.3	PASS
	Ant1	2462	Reference	7.54	7.54	---	PASS
			30~1000	7.54	-60.76	≤-22.46	PASS
			1000~26500	7.54	-46.68	≤-22.46	PASS
	Ant2	2462	Reference	7.88	7.88	---	PASS
			30~1000	7.88	-59.69	≤-22.12	PASS
			1000~26500	7.88	-50.07	≤-22.12	PASS
11G	Ant1	2412	Reference	2.44	2.44	---	PASS
			30~1000	2.44	-59.93	≤-27.56	PASS
			1000~26500	2.44	-52.7	≤-27.56	PASS
	Ant2	2412	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-60.4	≤-27.73	PASS
			1000~26500	2.27	-51.43	≤-27.73	PASS
	Ant1	2437	Reference	2.36	2.36	---	PASS
			30~1000	2.36	-60.98	≤-27.64	PASS
			1000~26500	2.36	-52.36	≤-27.64	PASS
	Ant2	2437	Reference	2.49	2.49	---	PASS
			30~1000	2.49	-60.04	≤-27.51	PASS
			1000~26500	2.49	-50.07	≤-27.51	PASS
	Ant1	2462	Reference	1.98	1.98	---	PASS
			30~1000	1.98	-61.39	≤-28.02	PASS
			1000~26500	1.98	-51.98	≤-28.02	PASS
	Ant2	2462	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-60.46	≤-27.34	PASS
			1000~26500	2.66	-50.65	≤-27.34	PASS
11N20SISO	Ant1	2412	Reference	2.64	2.64	---	PASS

			30~1000	2.64	-60.21	≤-27.36	PASS
			1000~26500	2.64	-52.05	≤-27.36	PASS
	Ant2	2412	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-60.17	≤-27.69	PASS
			1000~26500	2.31	-52.26	≤-27.69	PASS
	Ant1	2437	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-58.15	≤-27.12	PASS
			1000~26500	2.88	-51.94	≤-27.12	PASS
	Ant2	2437	Reference	2.68	2.68	---	PASS
			30~1000	2.68	-59.95	≤-27.32	PASS
			1000~26500	2.68	-51.56	≤-27.32	PASS
	Ant1	2462	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-61.13	≤-28.03	PASS
			1000~26500	1.97	-49.49	≤-28.03	PASS
	Ant2	2462	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-60.39	≤-27.69	PASS
			1000~26500	2.31	-49.64	≤-27.69	PASS
11N40SISO	Ant1	2422	Reference	-1.39	-1.39	---	PASS
			30~1000	-1.39	-59.28	≤-31.39	PASS
			1000~26500	-1.39	-52.34	≤-31.39	PASS
	Ant2	2422	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-60.26	≤-33.49	PASS
			1000~26500	-3.49	-51.36	≤-33.49	PASS
	Ant1	2437	Reference	-3.05	-3.05	---	PASS
			30~1000	-3.05	-59.71	≤-33.05	PASS
			1000~26500	-3.05	-52.18	≤-33.05	PASS
	Ant2	2437	Reference	-3.43	-3.43	---	PASS
			30~1000	-3.43	-60.18	≤-33.43	PASS
			1000~26500	-3.43	-52.41	≤-33.43	PASS
	Ant1	2452	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-61.47	≤-30.37	PASS
			1000~26500	-0.37	-52.36	≤-30.37	PASS
	Ant2	2452	Reference	-3.09	-3.09	---	PASS
			30~1000	-3.09	-60.04	≤-33.09	PASS
			1000~26500	-3.09	-52.37	≤-33.09	PASS
11AC20SISO	Ant1	2412	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-61.45	≤-28.52	PASS
			1000~26500	1.48	-52.62	≤-28.52	PASS
	Ant2	2412	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-60.71	≤-26.81	PASS
			1000~26500	3.19	-52.22	≤-26.81	PASS
	Ant1	2437	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-61.69	≤-27.24	PASS

			1000~26500	2.76	-49.66	≤-27.24	PASS
	Ant2	2437	Reference	3.62	3.62	---	PASS
			30~1000	3.62	-60.6	≤-26.38	PASS
			1000~26500	3.62	-47.98	≤-26.38	PASS
	Ant1	2462	Reference	2.76	2.76	---	PASS
			30~1000	2.76	-60.69	≤-27.24	PASS
			1000~26500	2.76	-50.07	≤-27.24	PASS
	Ant2	2462	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-60.99	≤-26.52	PASS
			1000~26500	3.48	-48.79	≤-26.52	PASS
11AC40SISO	Ant1	2422	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-60.62	≤-30.09	PASS
			1000~26500	-0.09	-52.58	≤-30.09	PASS
	Ant2	2422	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-60.93	≤-28.05	PASS
			1000~26500	1.95	-52.14	≤-28.05	PASS
	Ant1	2437	Reference	-1.06	-1.06	---	PASS
			30~1000	-1.06	-60.71	≤-31.06	PASS
			1000~26500	-1.06	-52	≤-31.06	PASS
	Ant2	2437	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-60.78	≤-29.83	PASS
			1000~26500	0.17	-52.48	≤-29.83	PASS
	Ant1	2452	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-61.82	≤-31.26	PASS
			1000~26500	-1.26	-53.03	≤-31.26	PASS
	Ant2	2452	Reference	0.82	0.82	---	PASS
			30~1000	0.82	-58.24	≤-29.18	PASS
			1000~26500	0.82	-52.29	≤-29.18	PASS
	Ant2	2437	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-60.78	≤-29.83	PASS
			1000~26500	0.17	-52.48	≤-29.83	PASS
11AX20SISO	Ant1	2412	Reference	2.21	2.21	---	PASS
			30~1000	2.21	-59.79	≤-27.79	PASS
			1000~26500	2.21	-51.74	≤-27.79	PASS
	Ant2	2412	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-59.82	≤-26.49	PASS
			1000~26500	3.51	-52.41	≤-26.49	PASS
	Ant1	2437	Reference	2.52	2.52	---	PASS
			30~1000	2.52	-60.62	≤-27.48	PASS
			1000~26500	2.52	-50.78	≤-27.48	PASS
	Ant2	2437	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-59.84	≤-26.63	PASS
			1000~26500	3.37	-52.36	≤-26.63	PASS

	Ant1	2462	Reference	2.91	2.91	---	PASS
			30~1000	2.91	-60	≤-27.09	PASS
			1000~26500	2.91	-51.78	≤-27.09	PASS
	Ant2	2462	Reference	2.47	2.47	---	PASS
			30~1000	2.47	-59.17	≤-27.53	PASS
			1000~26500	2.47	-51.71	≤-27.53	PASS
11AX40SISO	Ant1	2422	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-60.22	≤-28.72	PASS
			1000~26500	1.28	-51.4	≤-28.72	PASS
	Ant2	2422	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-59.78	≤-28.47	PASS
			1000~26500	1.53	-52.92	≤-28.47	PASS
	Ant1	2437	Reference	1.45	1.45	---	PASS
			30~1000	1.45	-59.8	≤-28.55	PASS
			1000~26500	1.45	-51.81	≤-28.55	PASS
	Ant2	2437	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-60.37	≤-28.72	PASS
			1000~26500	1.28	-53.44	≤-28.72	PASS
	Ant1	2452	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-59.96	≤-28.25	PASS
			1000~26500	1.75	-51.39	≤-28.25	PASS
	Ant2	2452	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-60.46	≤-28.85	PASS
			1000~26500	1.15	-51.74	≤-28.85	PASS
11N20MIMO	Ant1	2412	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-60.47	≤-28.48	PASS
			1000~26500	1.52	-52.09	≤-28.48	PASS
	Ant2	2412	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-60.58	≤-27.14	PASS
			1000~26500	2.86	-52.61	≤-27.14	PASS
	Ant1	2437	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-60.09	≤-28.83	PASS
			1000~26500	1.17	-51.17	≤-28.83	PASS
	Ant2	2437	Reference	5.61	5.61	---	PASS
			30~1000	5.61	-60.17	≤-24.39	PASS
			1000~26500	5.61	-46.4	≤-24.39	PASS
	Ant1	2462	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-59.01	≤-28.19	PASS
			1000~26500	1.81	-47.45	≤-28.19	PASS
	Ant2	2462	Reference	4.14	4.14	---	PASS
			30~1000	4.14	-60.5	≤-25.86	PASS
			1000~26500	4.14	-49.33	≤-25.86	PASS
11N40MIMO	Ant1	2422	Reference	-1.66	-1.66	---	PASS

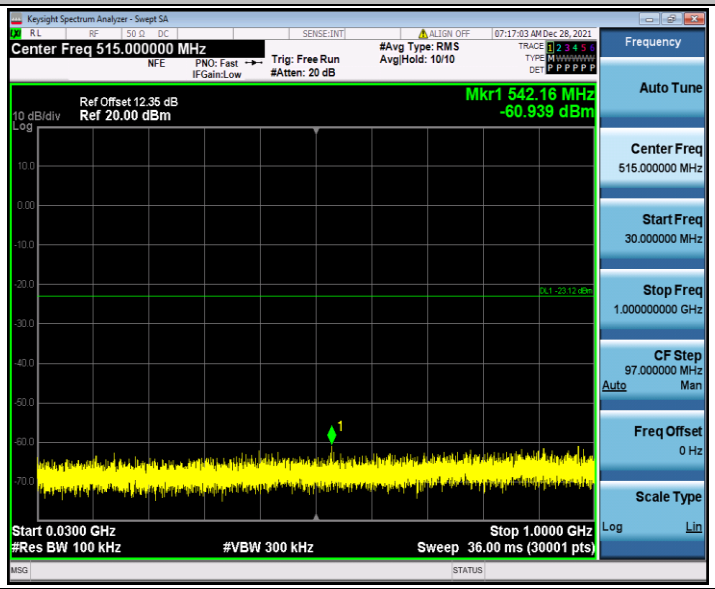
			30~1000	-1.66	-60.24	≤-31.66	PASS
			1000~26500	-1.66	-52.03	≤-31.66	PASS
	Ant2	2422	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-60.14	≤-30.59	PASS
			1000~26500	-0.59	-51.68	≤-30.59	PASS
	Ant1	2437	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-60.04	≤-33.29	PASS
			1000~26500	-3.29	-52.11	≤-33.29	PASS
	Ant2	2437	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-59.95	≤-32.93	PASS
			1000~26500	-2.93	-51.93	≤-32.93	PASS
	Ant1	2452	Reference	-3.99	-3.99	---	PASS
			30~1000	-3.99	-60.36	≤-33.99	PASS
			1000~26500	-3.99	-52.69	≤-33.99	PASS
	Ant2	2452	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-60.31	≤-31.03	PASS
			1000~26500	-1.03	-52.26	≤-31.03	PASS
11AX20MIMO	Ant1	2412	Reference	2.18	2.18	---	PASS
			30~1000	2.18	-61.03	≤-27.82	PASS
			1000~26500	2.18	-51.69	≤-27.82	PASS
	Ant2	2412	Reference	4.87	4.87	---	PASS
			30~1000	4.87	-60.58	≤-25.13	PASS
			1000~26500	4.87	-50.85	≤-25.13	PASS
	Ant1	2437	Reference	1.12	1.12	---	PASS
			30~1000	1.12	-60.33	≤-28.88	PASS
			1000~26500	1.12	-49.33	≤-28.88	PASS
	Ant2	2437	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-60.66	≤-25.73	PASS
			1000~26500	4.27	-47.72	≤-25.73	PASS
	Ant1	2462	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-61.01	≤-29.08	PASS
			1000~26500	0.92	-49.07	≤-29.08	PASS
	Ant2	2462	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-60.62	≤-28.39	PASS
			1000~26500	1.61	-50.17	≤-28.39	PASS
11AX40MIMO	Ant1	2422	Reference	0.75	0.75	---	PASS
			30~1000	0.75	-60.6	≤-29.25	PASS
			1000~26500	0.75	-52.74	≤-29.25	PASS
	Ant2	2422	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-60.79	≤-29.22	PASS
			1000~26500	0.78	-52.47	≤-29.22	PASS
	Ant1	2437	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-60.79	≤-29.81	PASS

			1000~26500	0.19	-53.11	≤-29.81	PASS
	Ant2	2437	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-60.49	≤-28.9	PASS
			1000~26500	1.10	-52.52	≤-28.9	PASS
	Ant1	2452	Reference	0.33	0.33	---	PASS
			30~1000	0.33	-60.14	≤-29.67	PASS
			1000~26500	0.33	-52.21	≤-29.67	PASS
	Ant2	2452	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-60.83	≤-28.76	PASS
			1000~26500	1.24	-52.72	≤-28.76	PASS

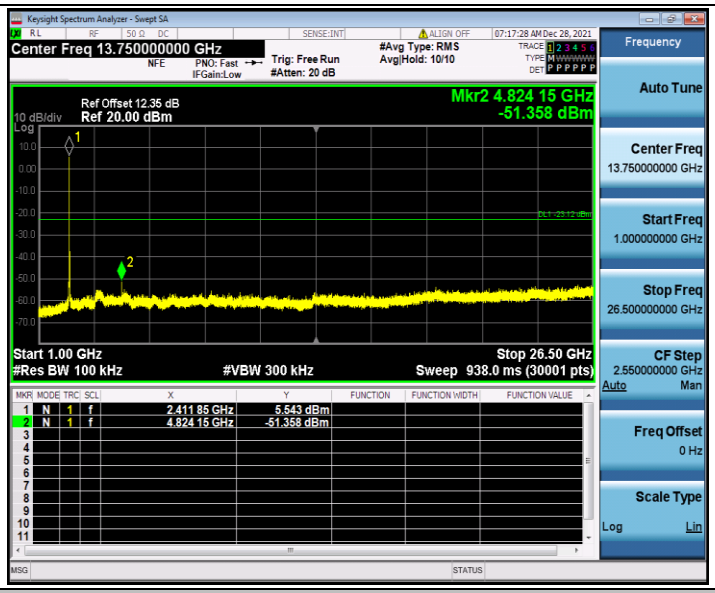
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

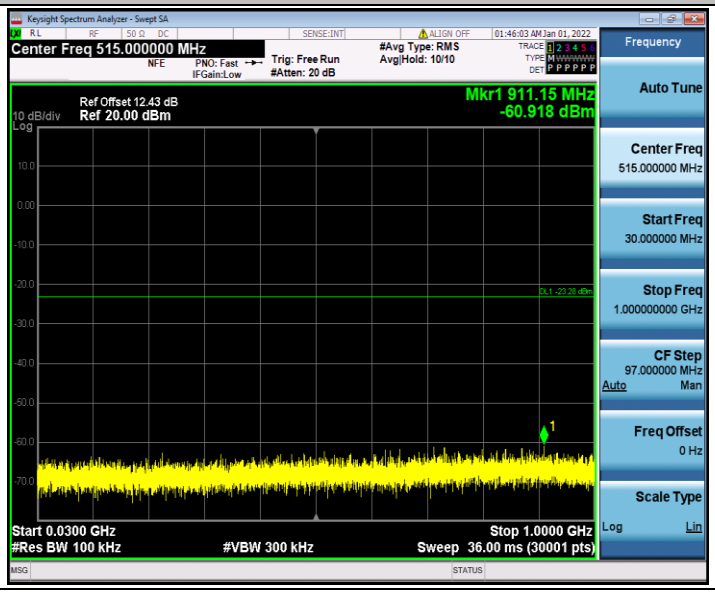


11B_Ant1_2412_1000~26500

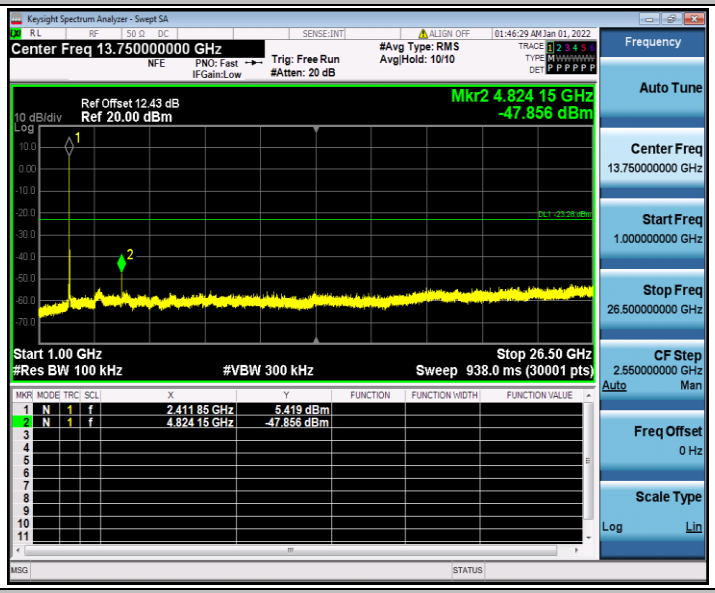


11B_Ant2_2412_0~Reference

11B_Ant2_2412_30~1000

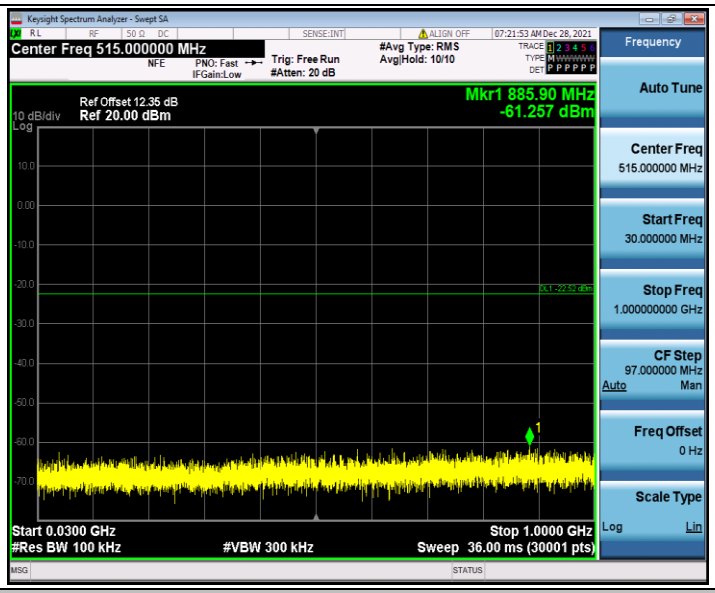


11B_Ant2_2412_1000~26500

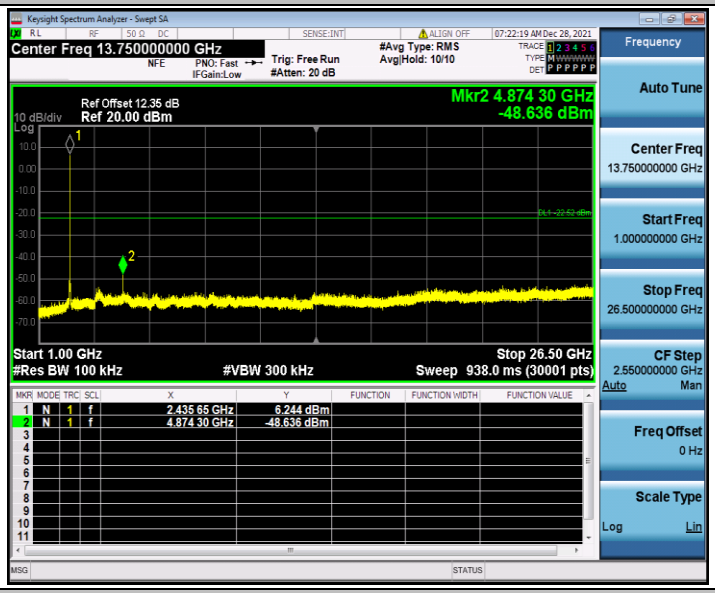


11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant2_2437_0~Reference