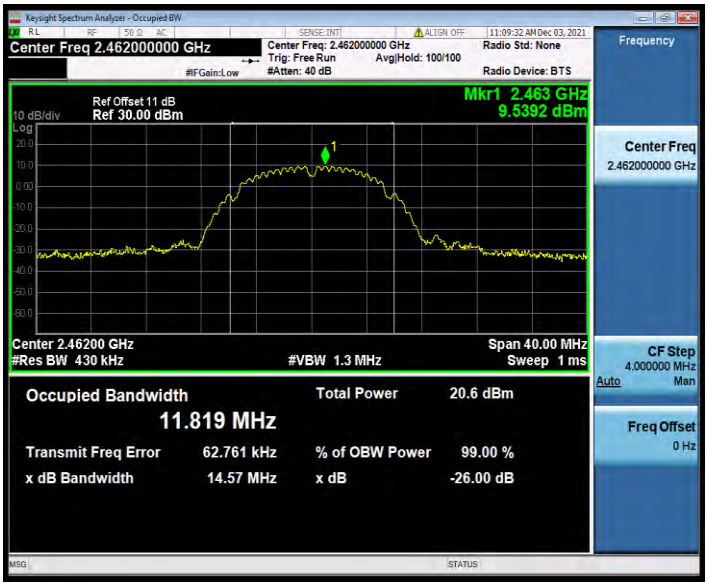
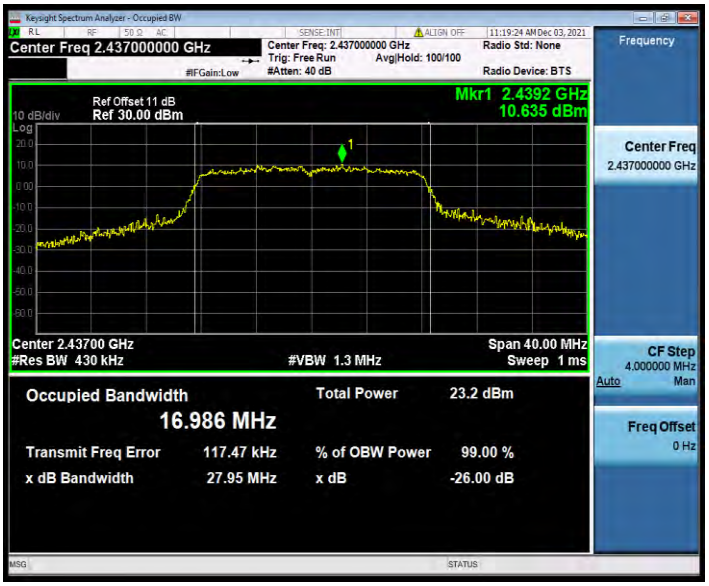


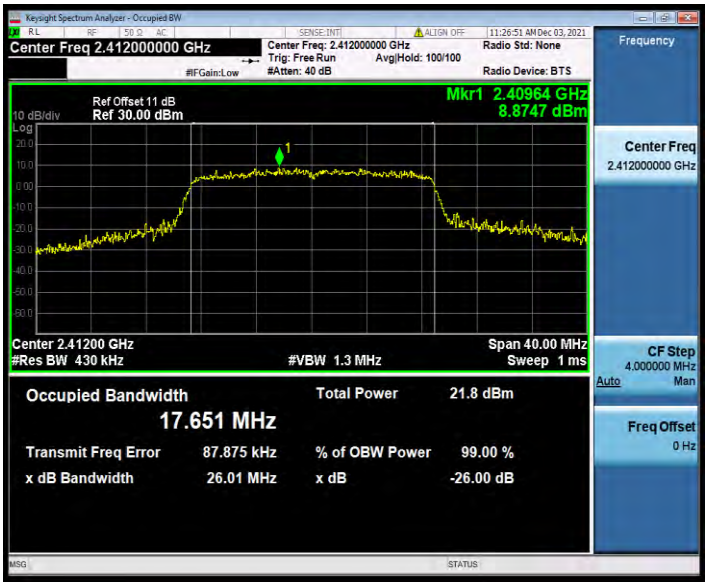
11G_Ant1_2412

11G_Ant1_2437



11G_Ant1_2462

11N20SISO_Ant1_2412



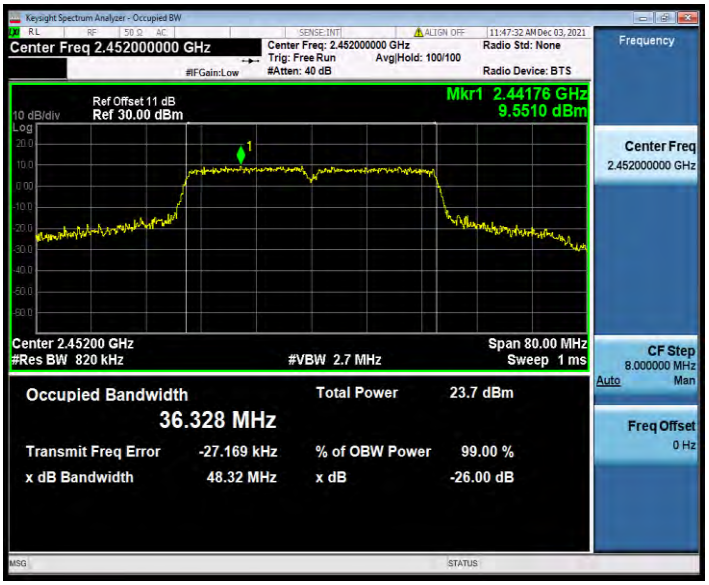
11N20SISO_Ant1_2437

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2437

11N40SISO_Ant1_2452



MAXIMUM CONDUCTED OUTPUT POWER

PEAK POWER TEST RESULT

TestMode	Antenna	Channel	Result[dBm]	Result[mW]	Limit[dBm]	Verdict	Power setting
11B	Ant1	2412	21.33	135.83	≤30	PASS	15
		2437	21.03	126.77	≤30	PASS	16
		2462	21.30	134.90	≤30	PASS	17
11G	Ant1	2412	22.54	179.47	≤30	PASS	14
		2437	22.32	170.61	≤30	PASS	14
		2462	22.67	184.93	≤30	PASS	15
11N20SISO	Ant1	2412	21.92	155.60	≤30	PASS	13
		2437	21.48	140.60	≤30	PASS	13
		2462	21.24	133.05	≤30	PASS	13
11N40SISO	Ant1	2422	21.57	143.55	≤30	PASS	12
		2437	21.52	141.91	≤30	PASS	13
		2452	21.29	134.59	≤30	PASS	13

AVERAGE POWER TEST RESULT

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict	Power setting
11B	Ant1	2412	18.12	/	PASS	15
		2437	17.78	/	PASS	16
		2462	18.10	/	PASS	17
11G	Ant1	2412	15.12	/	PASS	14
		2437	14.64	/	PASS	14
		2462	15.16	/	PASS	15
11N20SISO	Ant1	2412	14.26	/	PASS	13
		2437	13.92	/	PASS	13
		2462	13.42	/	PASS	13
11N40SISO	Ant1	2422	13.84	/	PASS	12
		2437	13.68	/	PASS	13
		2452	13.54	/	PASS	13

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-3.85	≤8	PASS
		2437	-4.31	≤8	PASS
		2462	-4.64	≤8	PASS
11G	Ant1	2412	-9.17	≤8	PASS
		2437	-8.31	≤8	PASS
		2462	-9.17	≤8	PASS
11N20SISO	Ant1	2412	-9.33	≤8	PASS
		2437	-8.84	≤8	PASS
		2462	-9.15	≤8	PASS
11N40SISO	Ant1	2422	-10.4	≤8	PASS
		2437	-11.85	≤8	PASS
		2452	-12.06	≤8	PASS

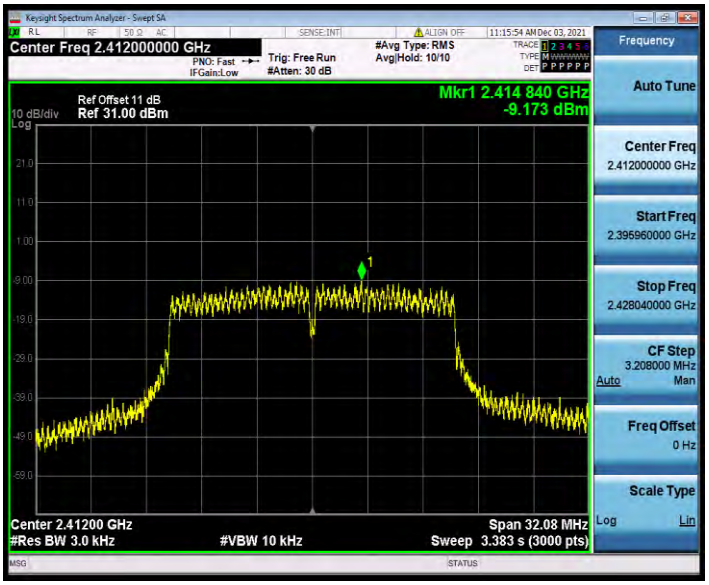
TEST GRAPHS

11B_Ant1_2412

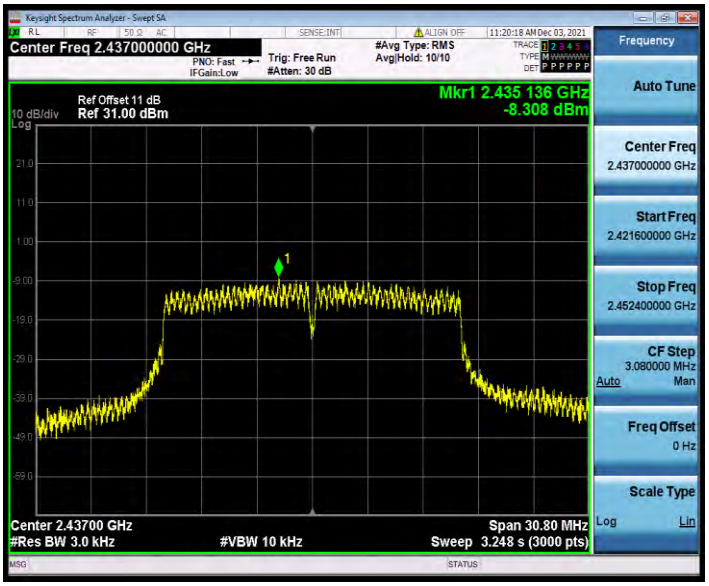
11B_Ant1_2437

11B_Ant1_2462

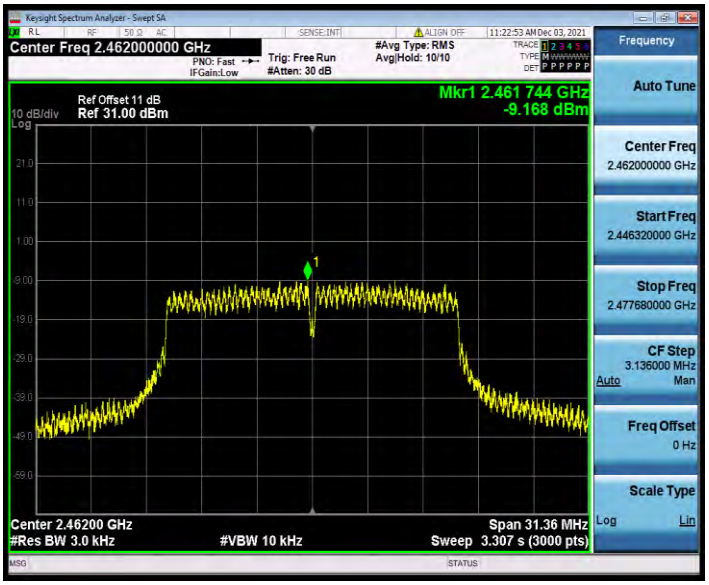
11G_Ant1_2412



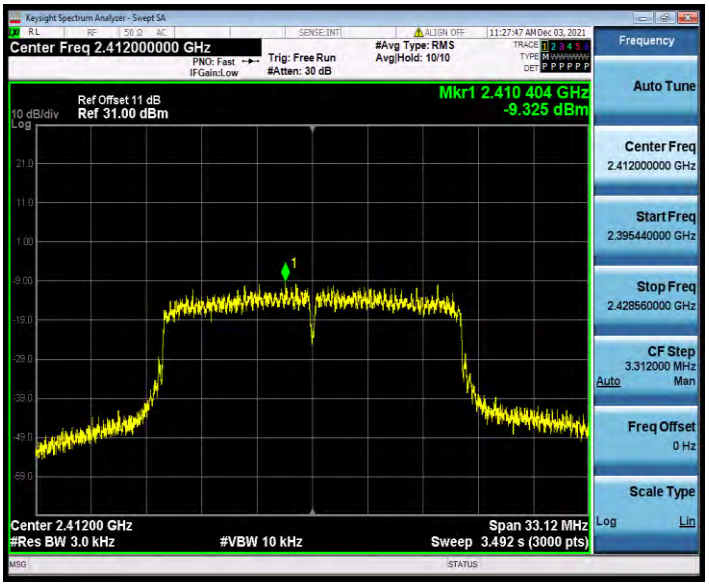
11G_Ant1_2437



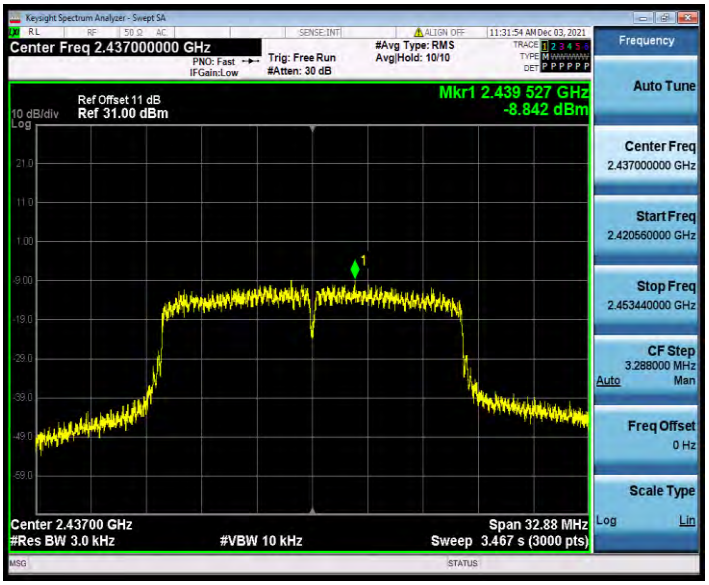
11G_Ant1_2462



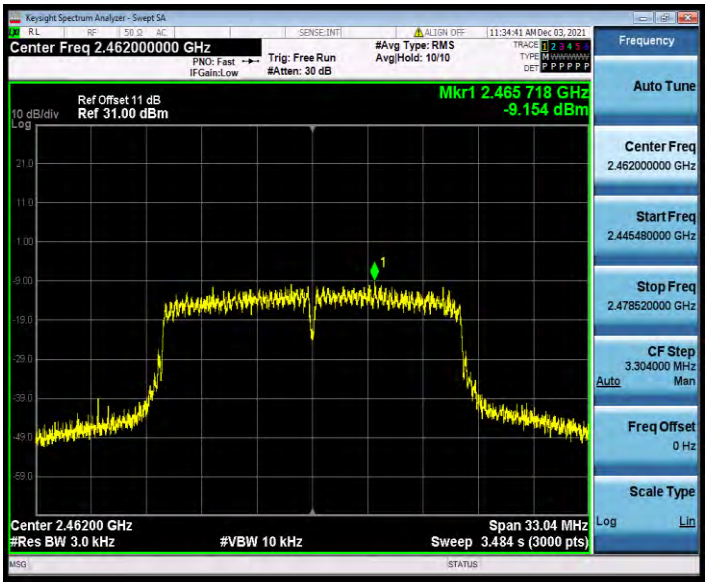
11N20SISO_Ant1_2412



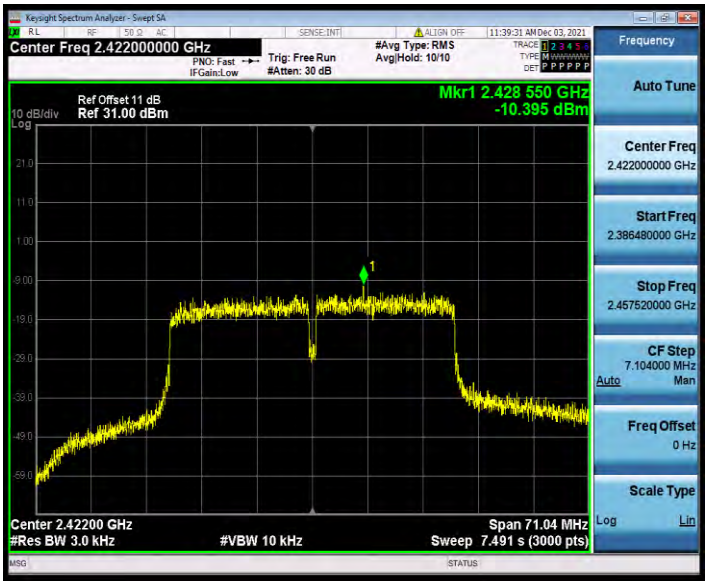
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

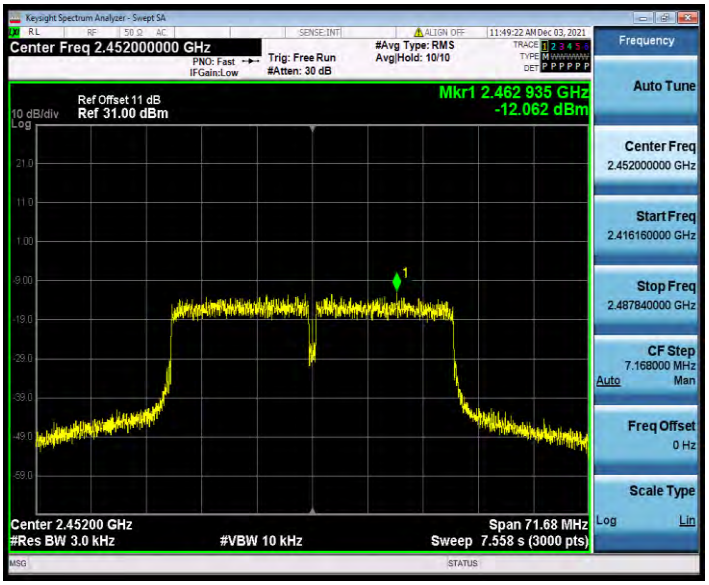


11N40SISO_Ant1_2422



11N40SISO_Ant1_2437

11N40SISO_Ant1_2452

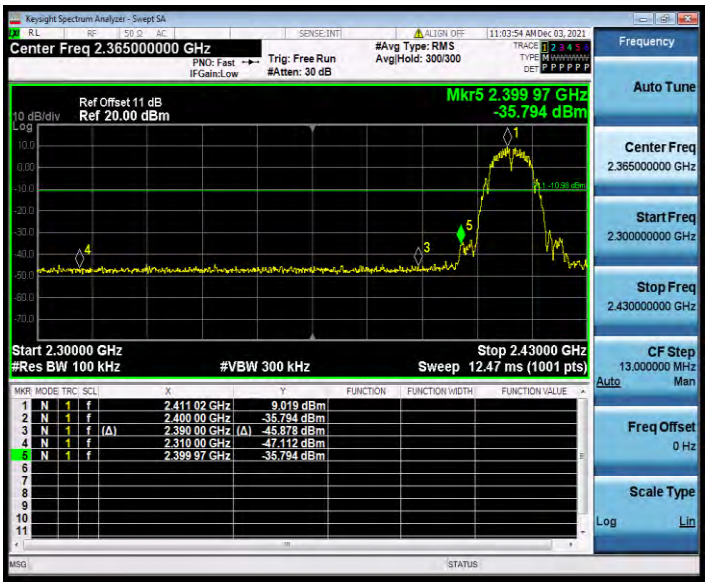


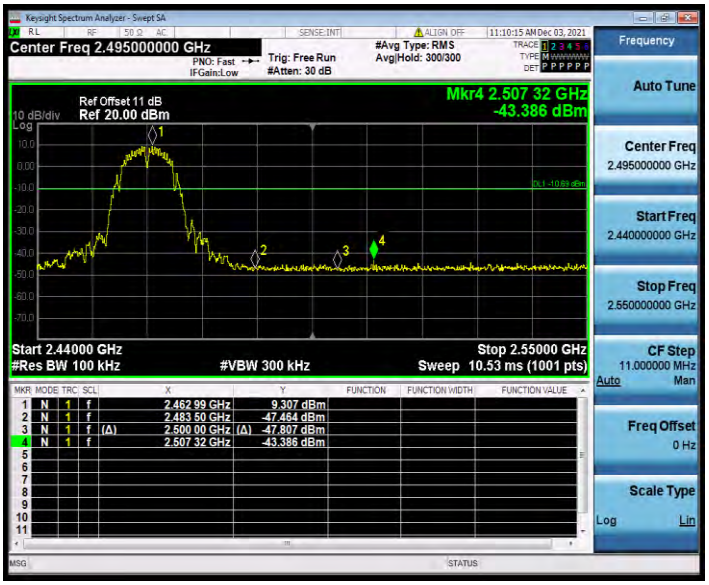
BAND EDGE MEASUREMENTS

TEST RESULT

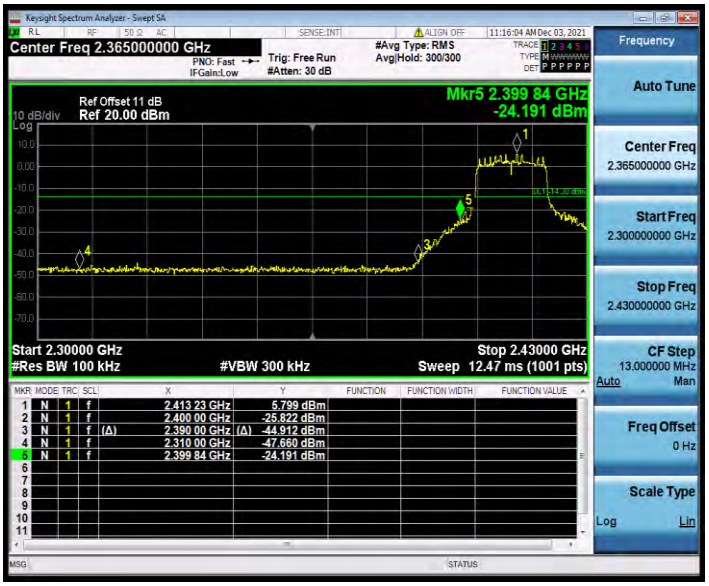
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.02	-35.79	≤-10.98	PASS
		High	2462	9.31	-43.39	≤-10.69	PASS
11G	Ant1	Low	2412	5.80	-24.19	≤-14.2	PASS
		High	2462	6.11	-33.9	≤-13.89	PASS
11N20SISO	Ant1	Low	2412	4.84	-26.55	≤-15.16	PASS
		High	2462	5.55	-34.39	≤-14.45	PASS
11N40SISO	Ant1	Low	2422	2.73	-26.48	≤-17.28	PASS
		High	2452	2.13	-30.66	≤-17.87	PASS

TEST GRAPHS

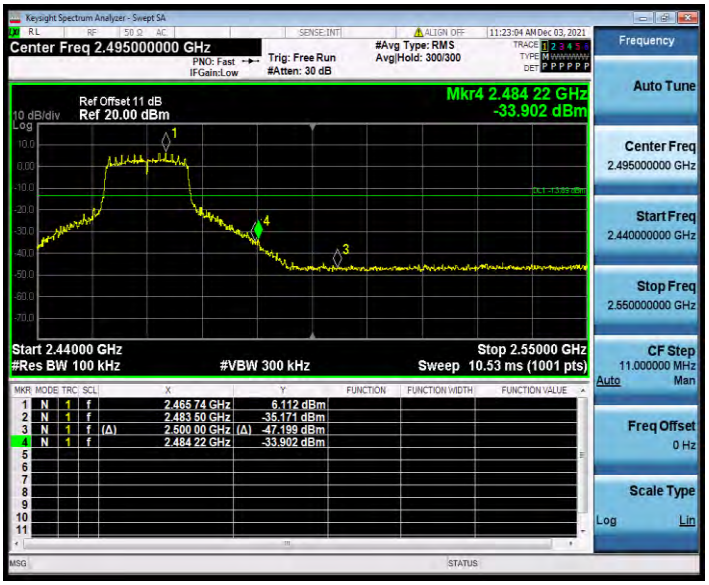
11B_Ant1_Low_2412


11B_Ant1_High_2462


11G_Ant1_Low_2412



11G_Ant1_High_2462



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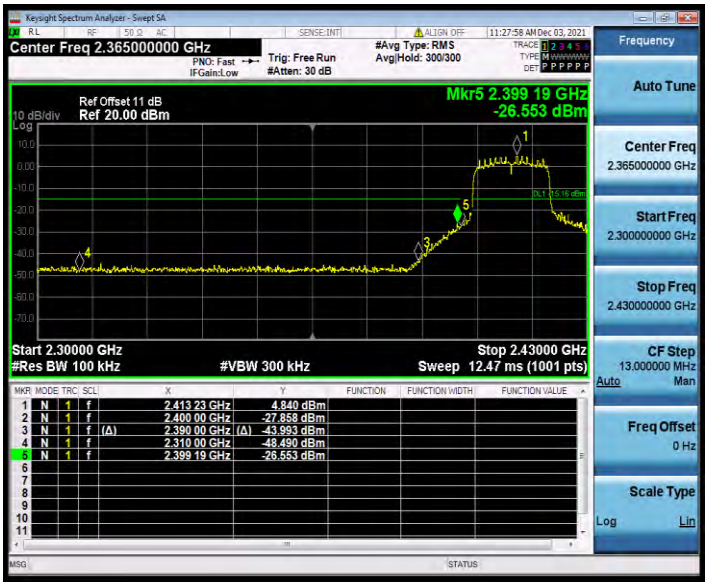
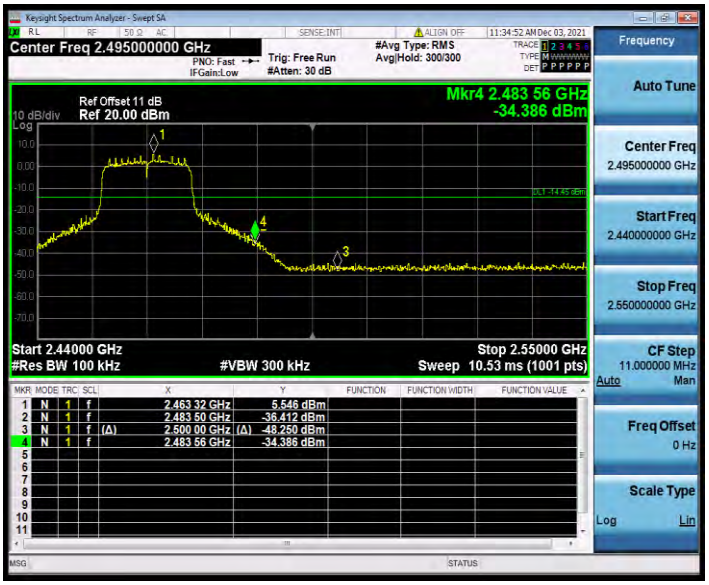
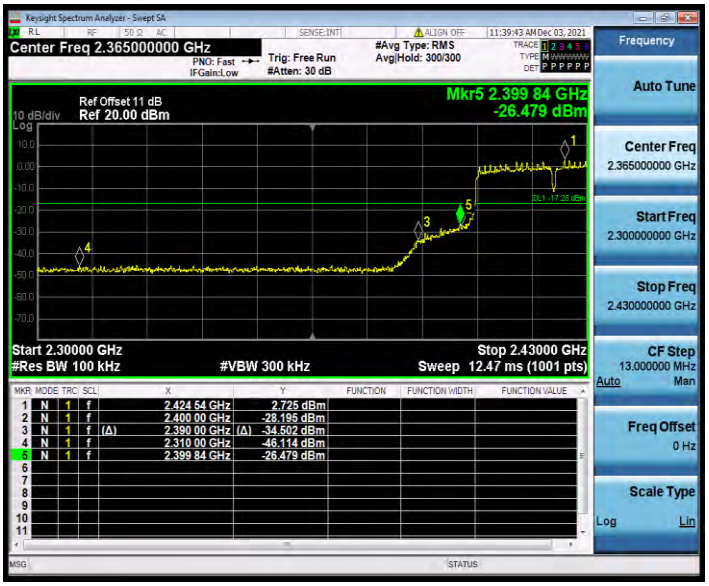


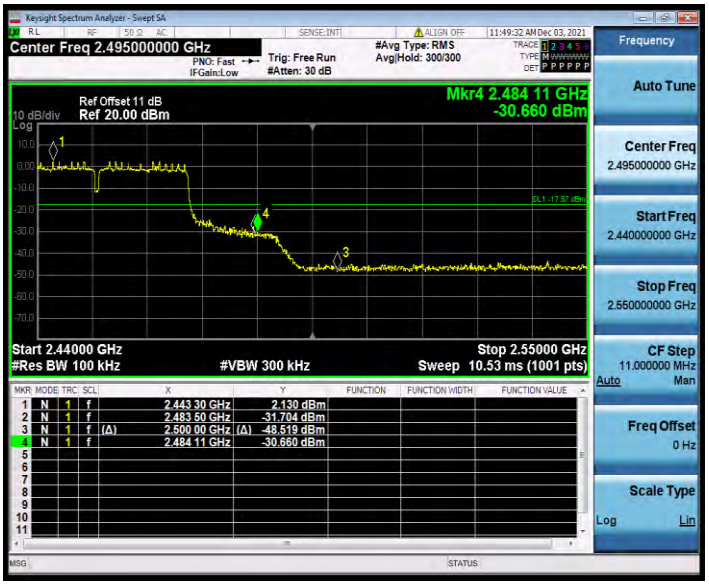
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



CONDUCTED SPURIOUS EMISSION

TEST RESULT

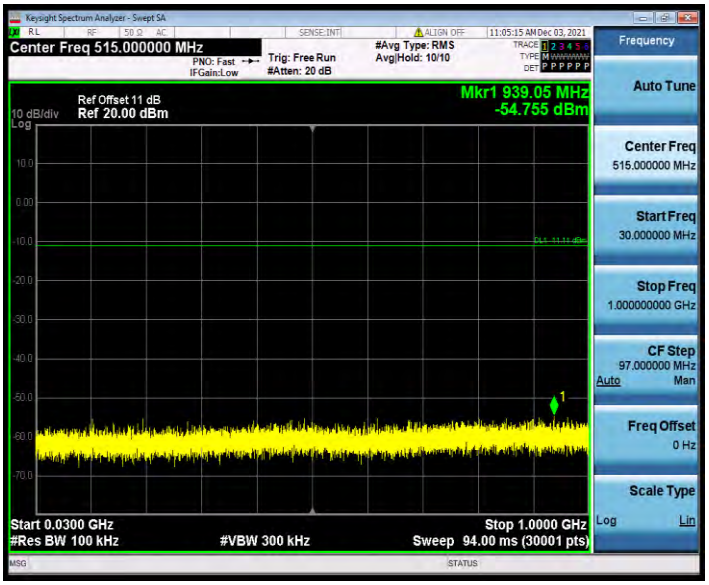
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.89	8.89	---	PASS
			30~1000	8.89	-54.76	≤-11.11	PASS
			1000~26500	8.89	-37.54	≤-11.11	PASS
		2437	Reference	8.82	8.82	---	PASS
			30~1000	8.82	-53.71	≤-11.18	PASS
			1000~26500	8.82	-38.42	≤-11.18	PASS
		2462	Reference	9.77	9.77	---	PASS
			30~1000	9.77	-53.7	≤-10.24	PASS
			1000~26500	9.77	-38.11	≤-10.24	PASS
11G	Ant1	2412	Reference	2.45	2.45	---	PASS
			30~1000	2.45	-54.58	≤-17.55	PASS
			1000~26500	2.45	-38.28	≤-17.55	PASS
		2437	Reference	4.76	4.76	---	PASS
			30~1000	4.76	-54.2	≤-15.24	PASS
			1000~26500	4.76	-38.67	≤-15.24	PASS
		2462	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-53.98	≤-16.43	PASS
			1000~26500	3.57	-38.15	≤-16.43	PASS
11N20SISO	Ant1	2412	Reference	3.24	3.24	---	PASS
			30~1000	3.24	-53.85	≤-16.76	PASS
			1000~26500	3.24	-37.91	≤-16.76	PASS
		2437	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-54.17	≤-17.29	PASS
			1000~26500	2.72	-38.09	≤-17.29	PASS
		2462	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-53.68	≤-15.88	PASS
			1000~26500	4.12	-38.16	≤-15.88	PASS
11N40SISO	Ant1	2422	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-54.69	≤-17.74	PASS

			1000~26500	2.27	-38.16	≤-17.74	PASS
		2437	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-54.54	≤-18.31	PASS
			1000~26500	1.70	-37.96	≤-18.31	PASS
		2452	Reference	1.70	1.70	---	PASS
			30~1000	1.70	-54.7	≤-18.3	PASS
			1000~26500	1.70	-38.44	≤-18.3	PASS

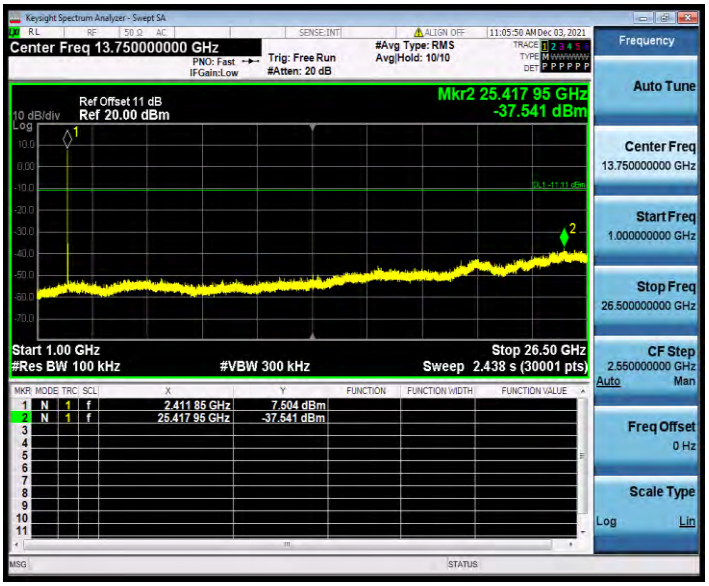
TEST GRAPHS

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

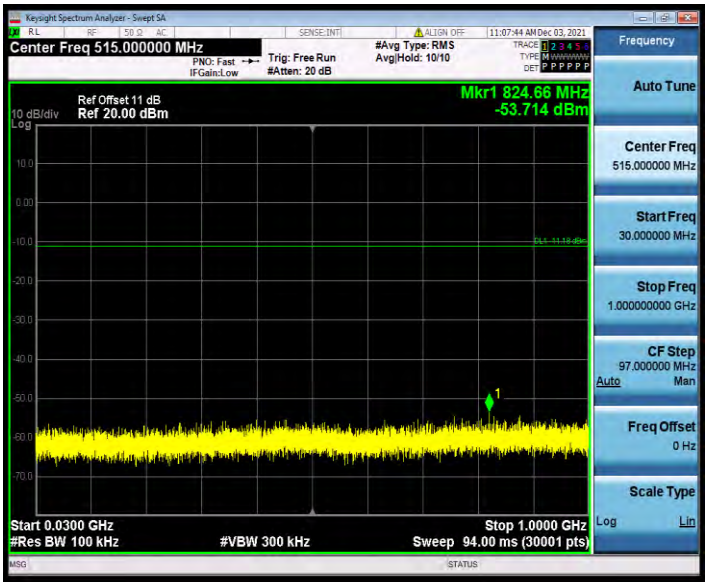


11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference

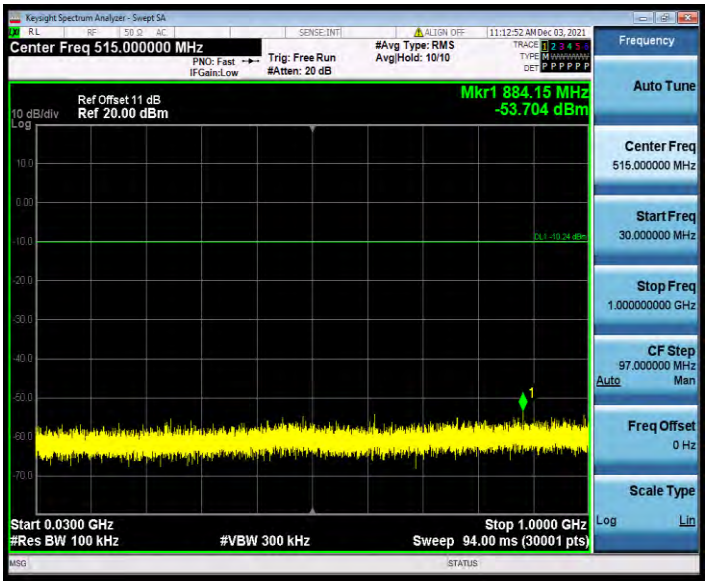
11B_Ant1_2437_30~1000



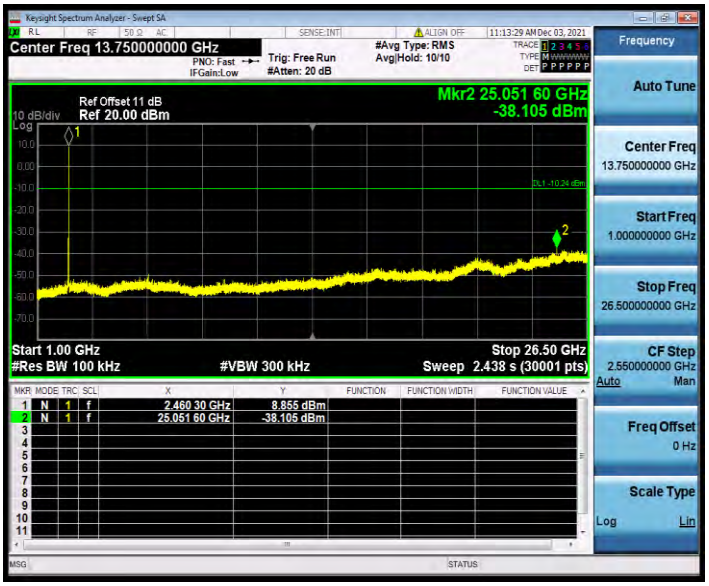
11B_Ant1_2437_1000~26500

11B_Ant1_2462_0~Reference

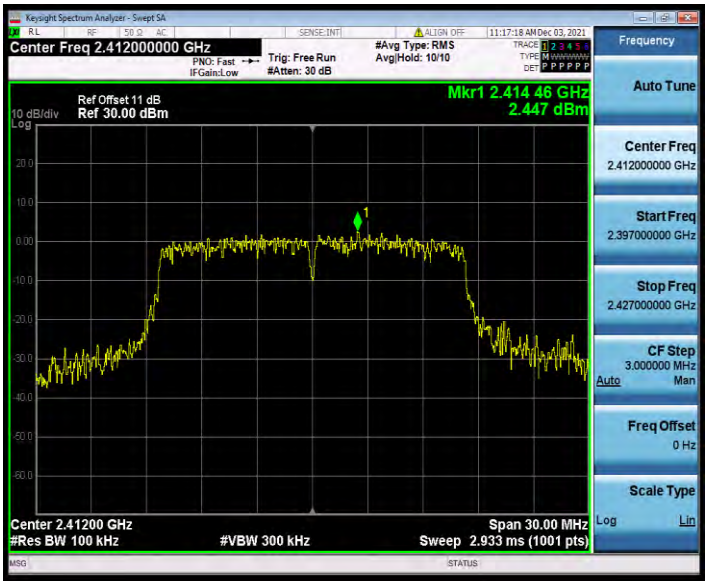
11B_Ant1_2462_30~1000



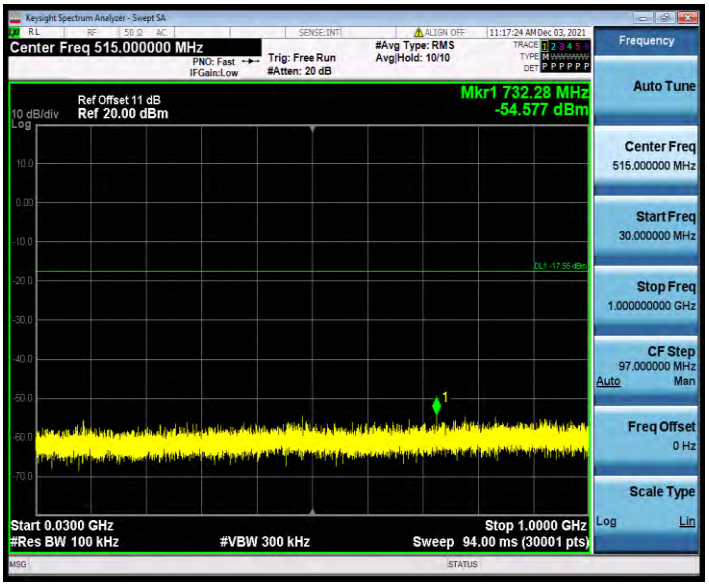
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

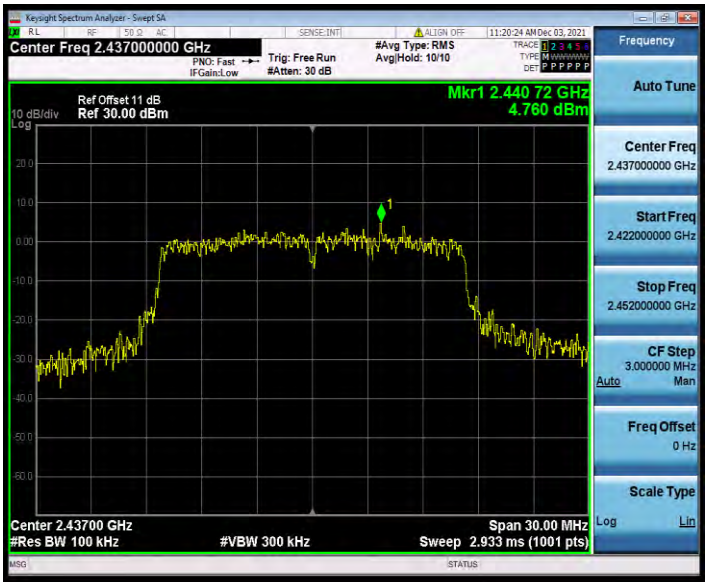


11G_Ant1_2412_30~1000

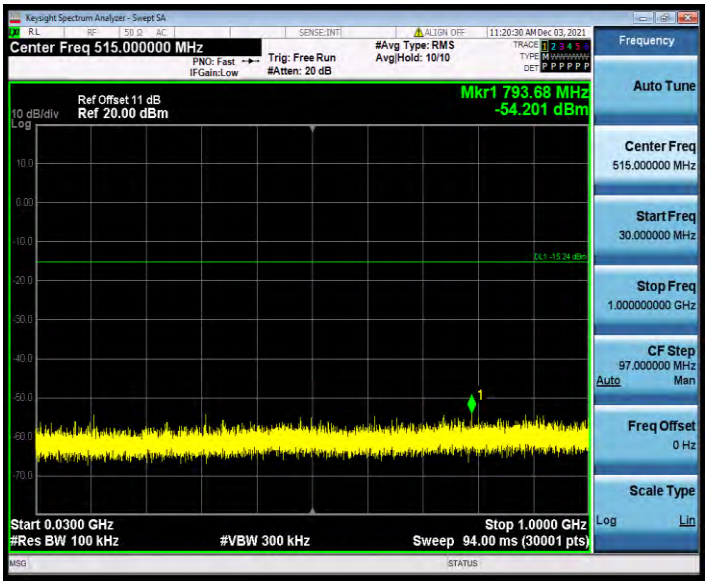


11G_Ant1_2412_1000~26500

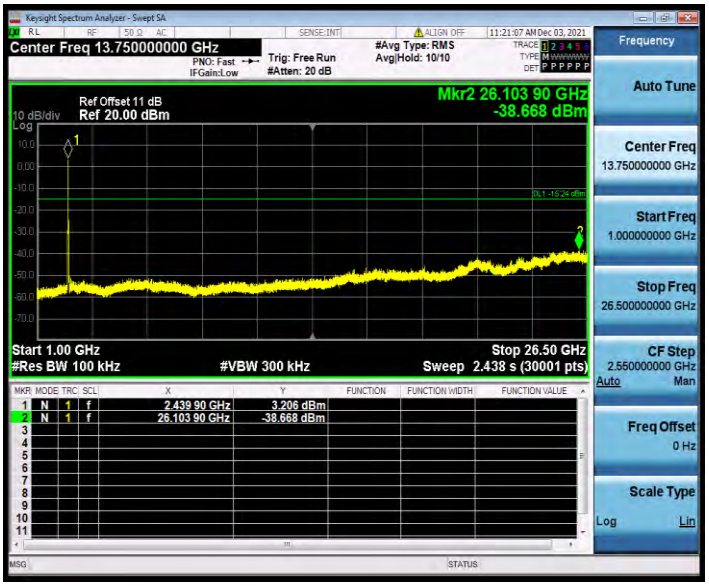
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000

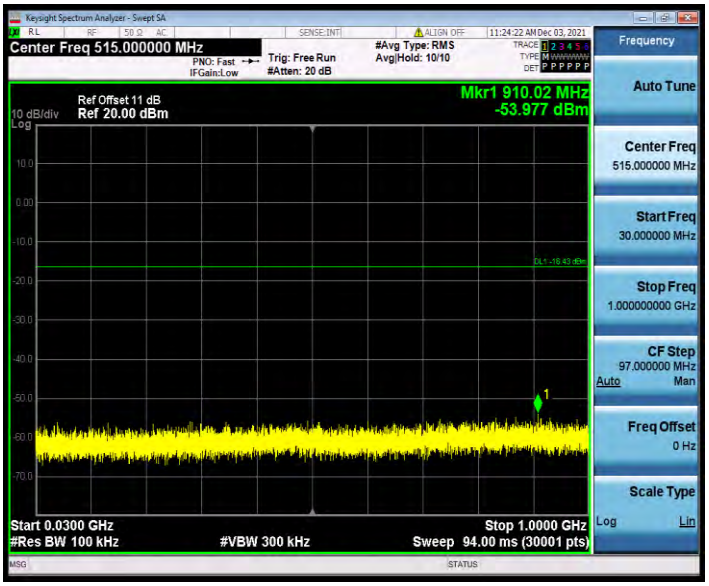


11G_Ant1_2437_1000~26500

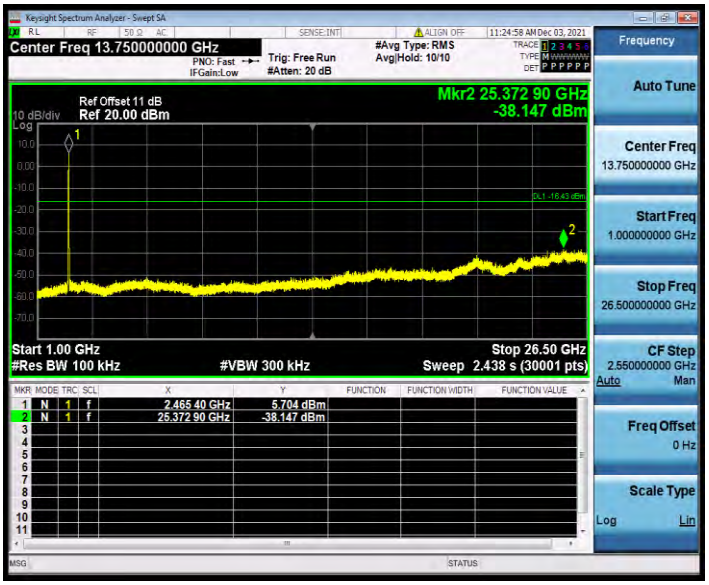


11G_Ant1_2462_0~Reference

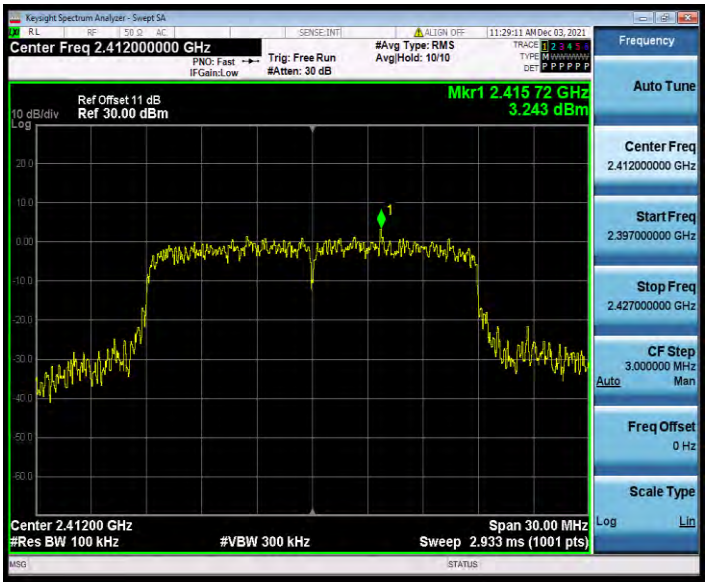
11G_Ant1_2462_30~1000



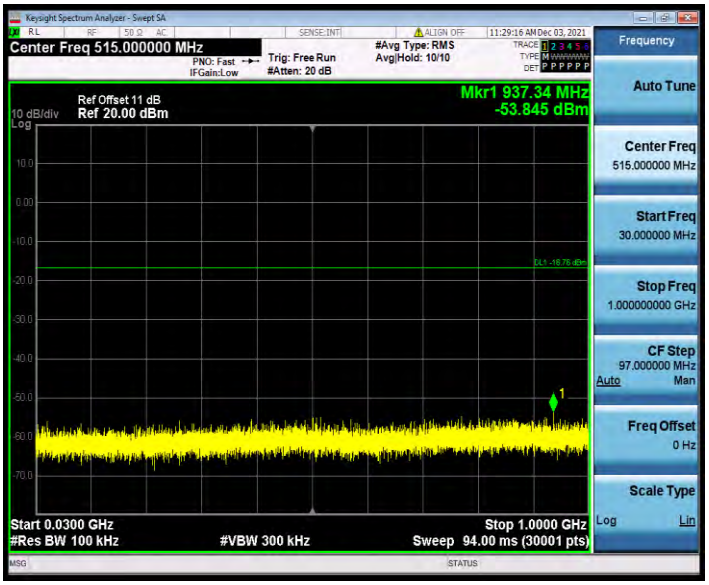
11G_Ant1_2462_1000~26500



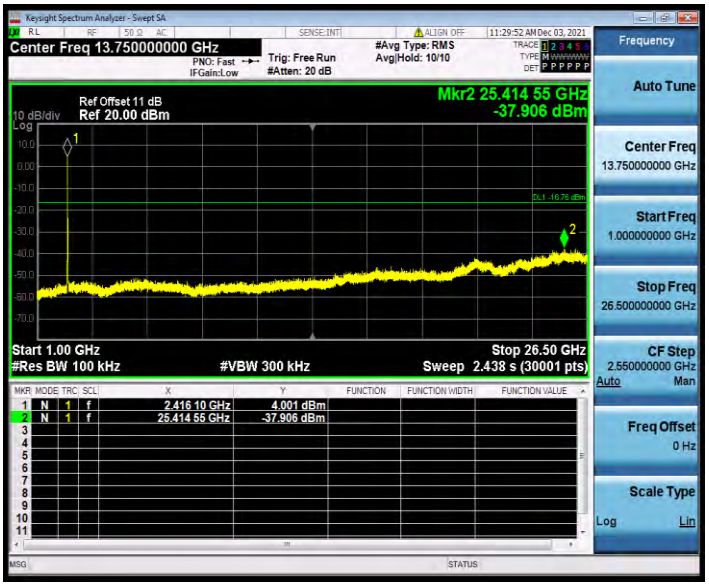
11N20SISO_Ant1_2412_0~Reference



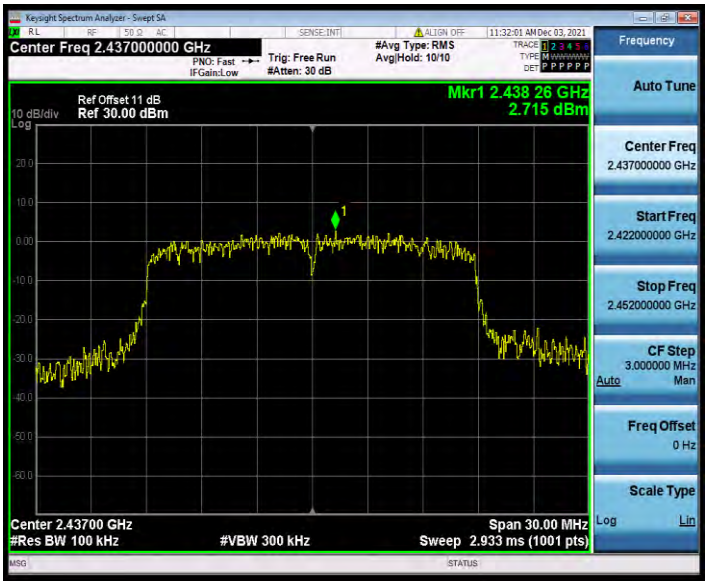
11N20SISO_Ant1_2412_30~1000



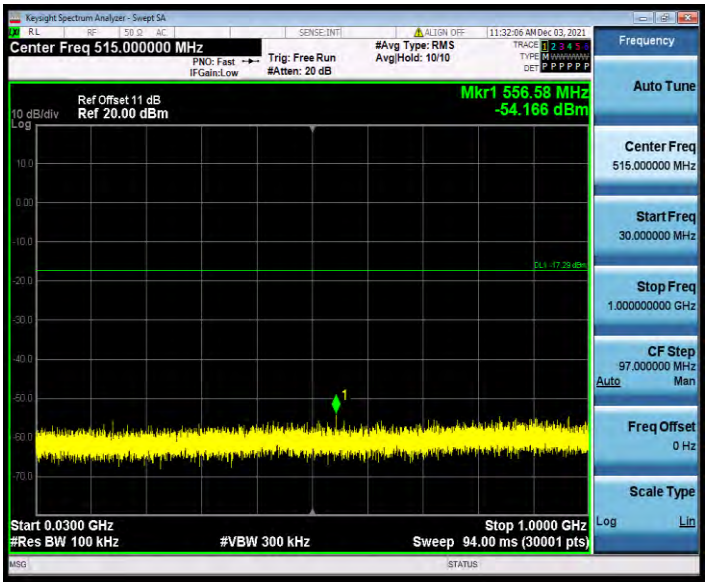
11N20SISO_Ant1_2412_1000~26500



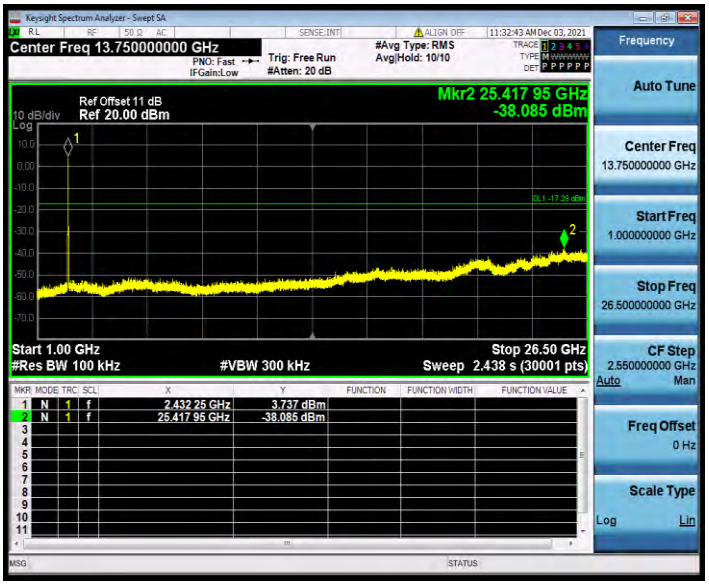
11N20SISO_Ant1_2437_0~Reference



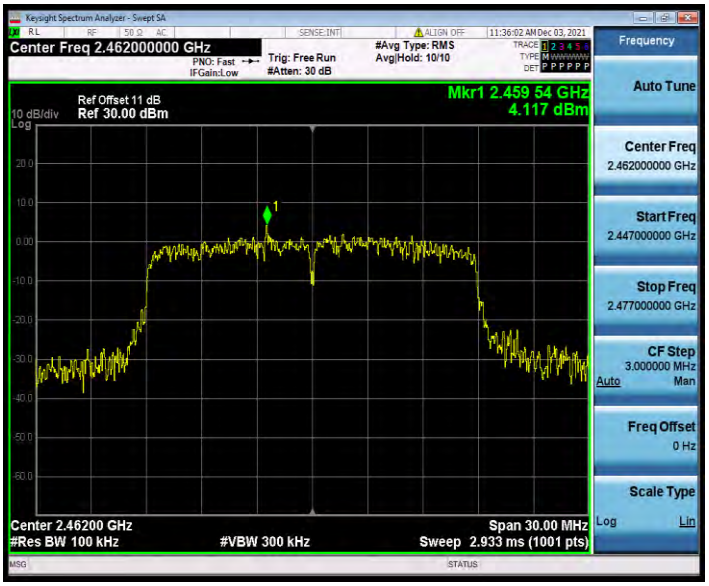
11N20SISO_Ant1_2437_30~1000



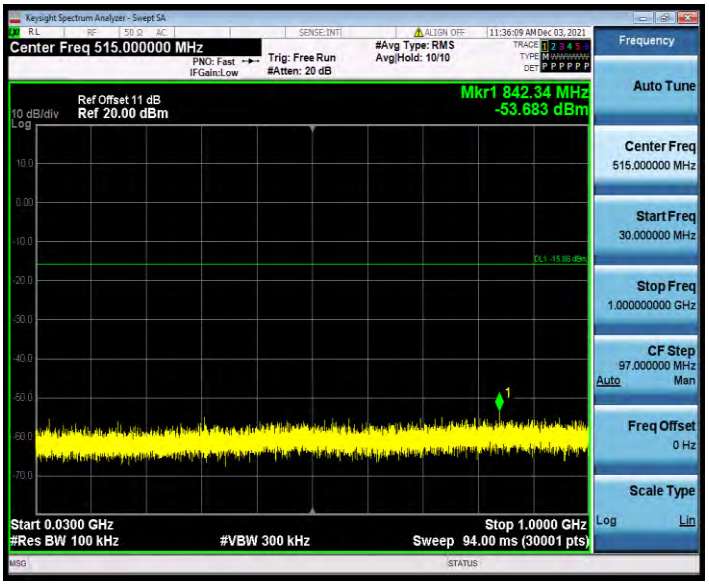
11N20SISO_Ant1_2437_1000~26500



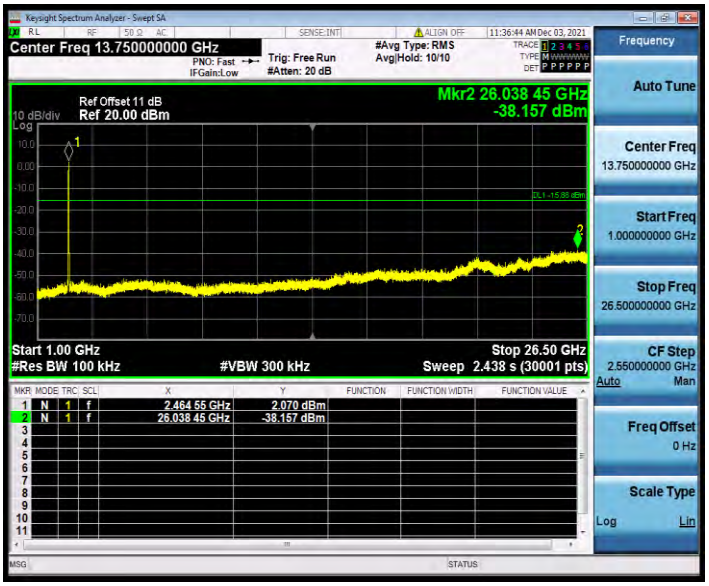
11N20SISO_Ant1_2462_0~Reference



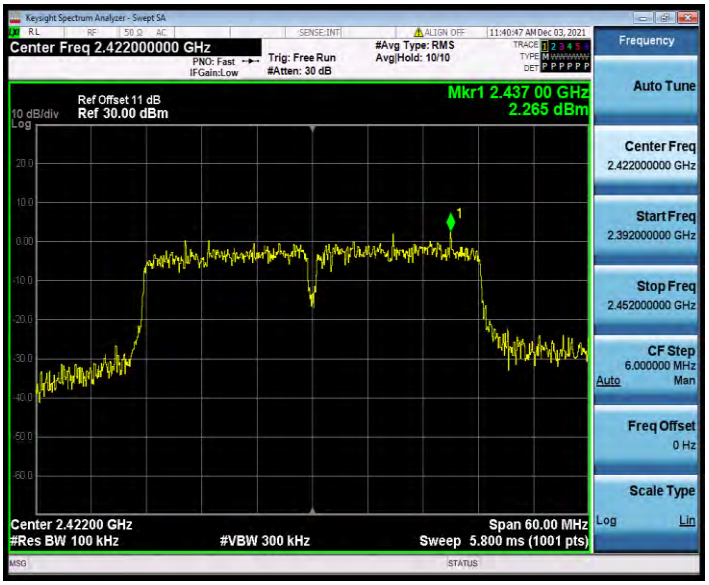
11N20SISO_Ant1_2462_30~1000



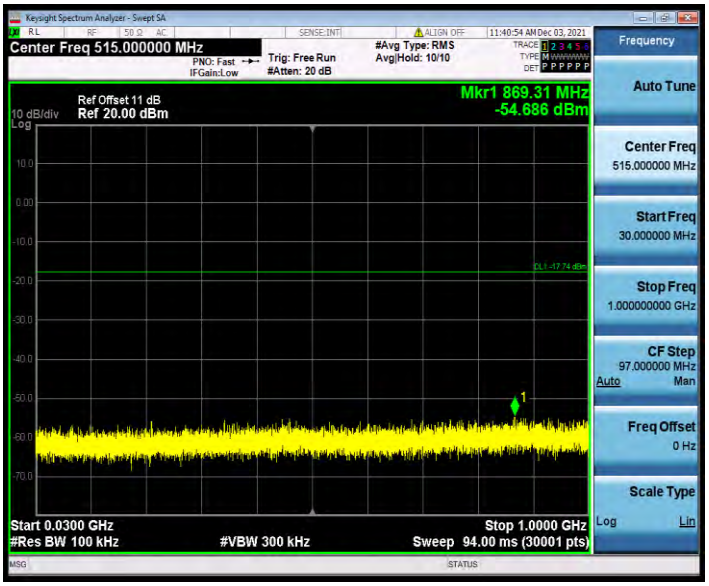
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



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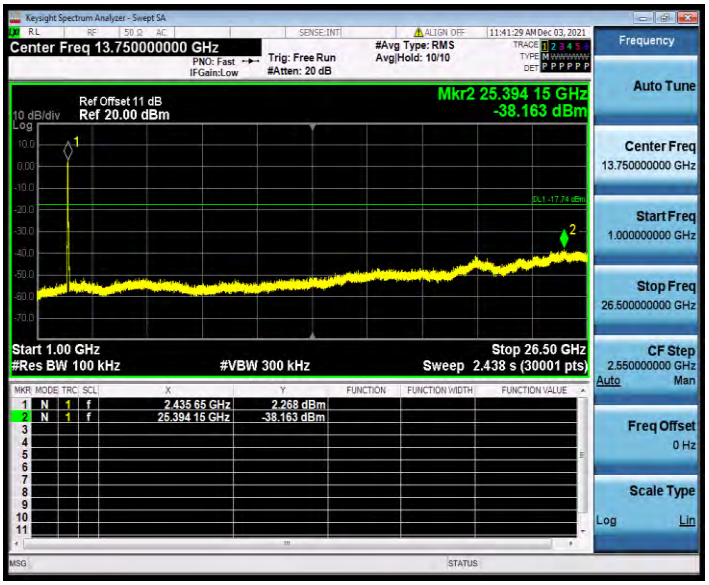

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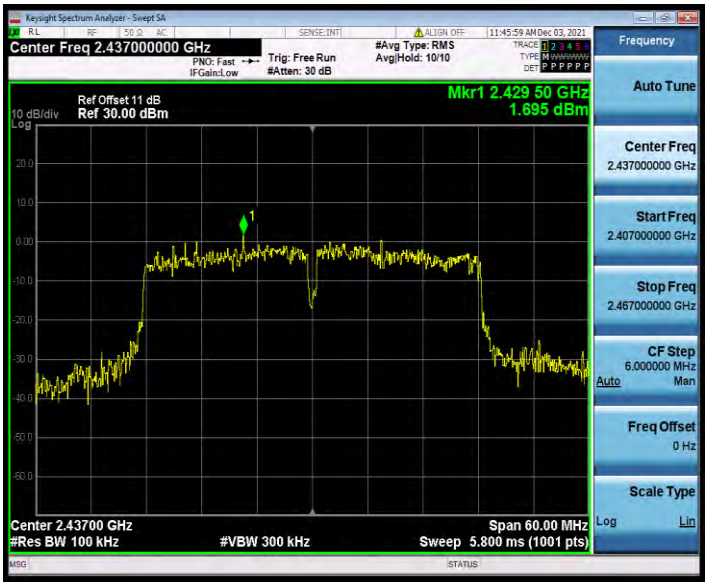
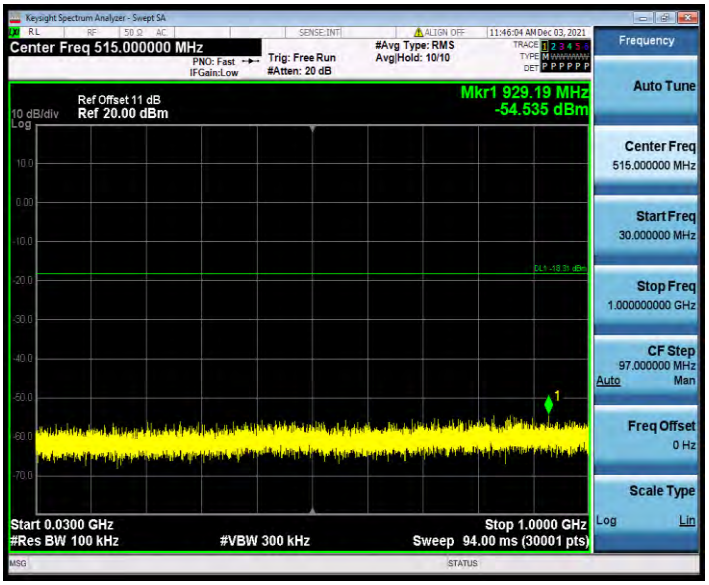
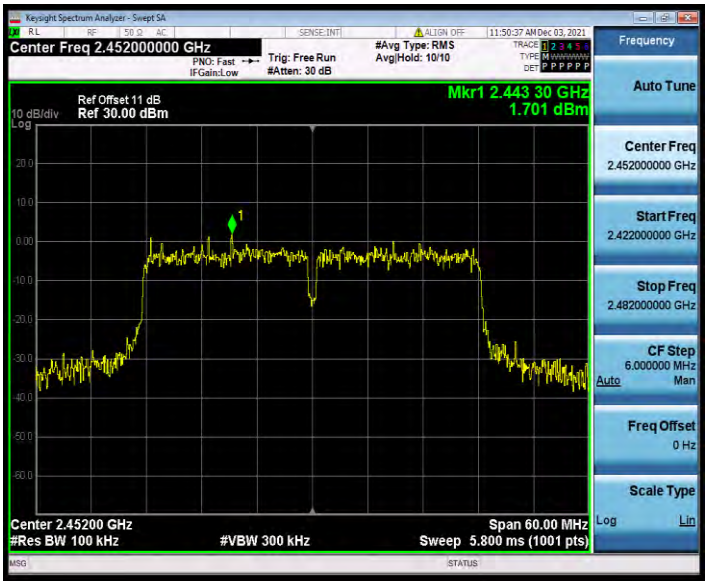


11N40SISO_Ant1_2437_30~1000

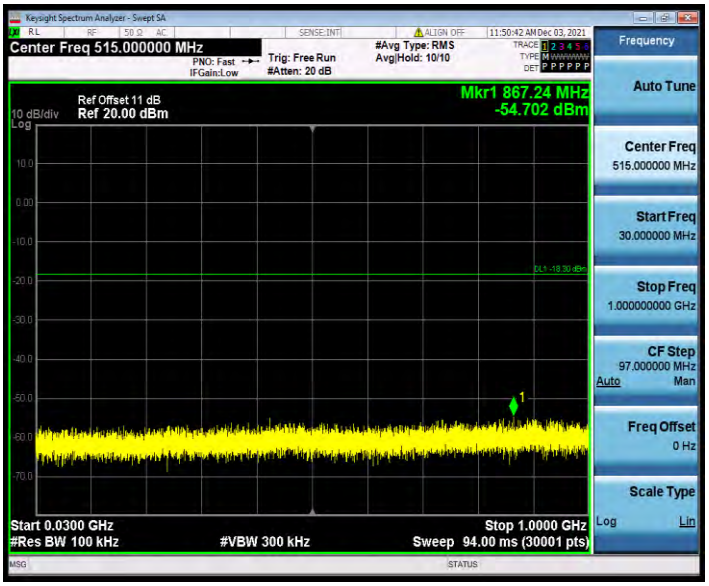


11N40SISO_Ant1_2437_1000~26500

11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



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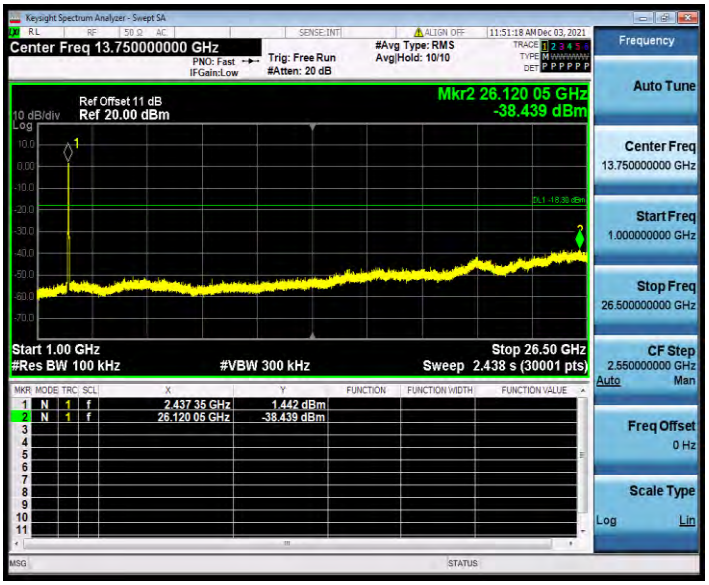


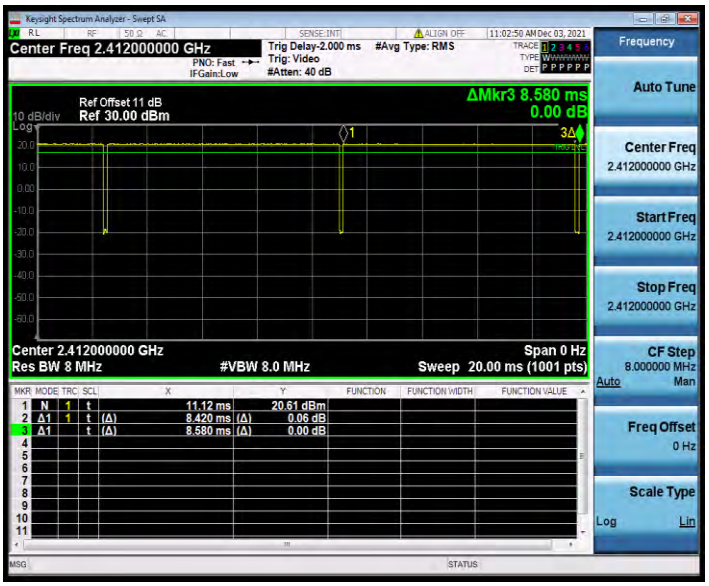
DUTY CYCLE

TEST RESULT

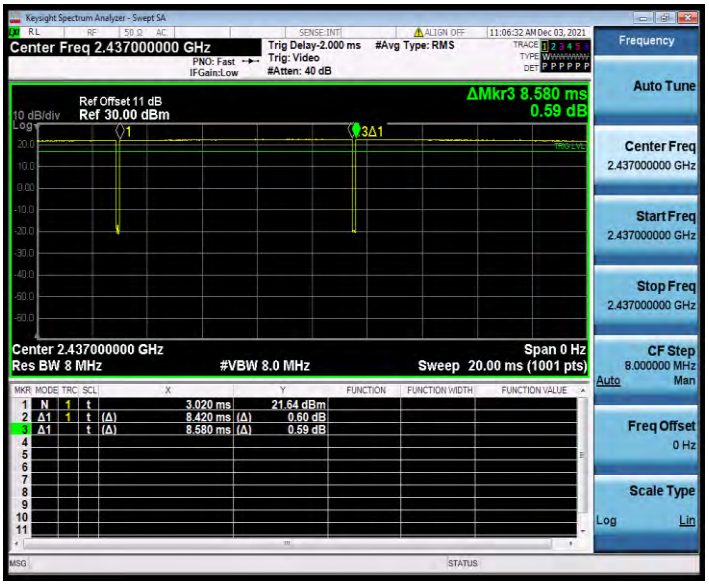
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.42	8.58	98.14	---	PASS
		2437	8.42	8.58	98.14	---	PASS
		2462	8.42	8.70	96.78	---	PASS
11G	Ant1	2412	1.39	1.54	90.26	---	PASS
		2437	1.39	1.55	89.68	---	PASS
		2462	1.40	1.55	90.32	---	PASS
11N20SISO	Ant1	2412	1.18	1.34	88.06	---	PASS
		2437	1.18	1.34	88.06	---	PASS
		2462	1.18	1.34	88.06	---	PASS
11N40SISO	Ant1	2422	0.58	0.74	78.38	---	PASS
		2437	0.58	0.74	78.38	---	PASS
		2452	0.58	0.74	78.38	---	PASS

TEST GRAPHS

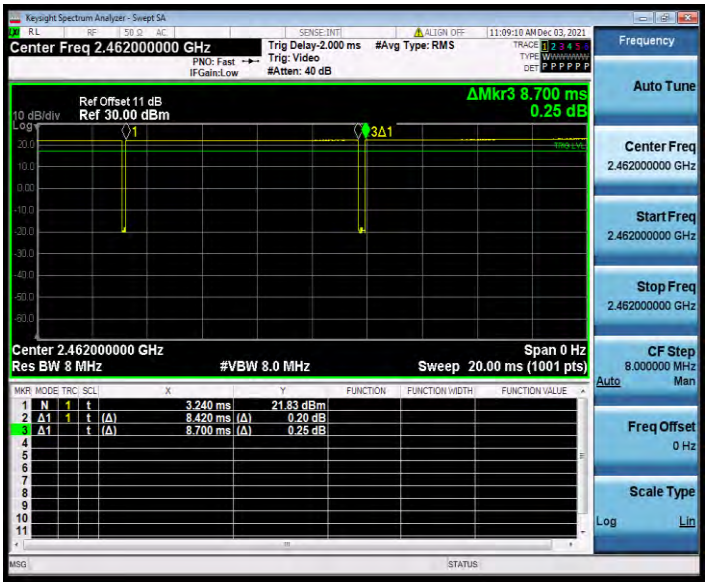
11B_Ant1_2412



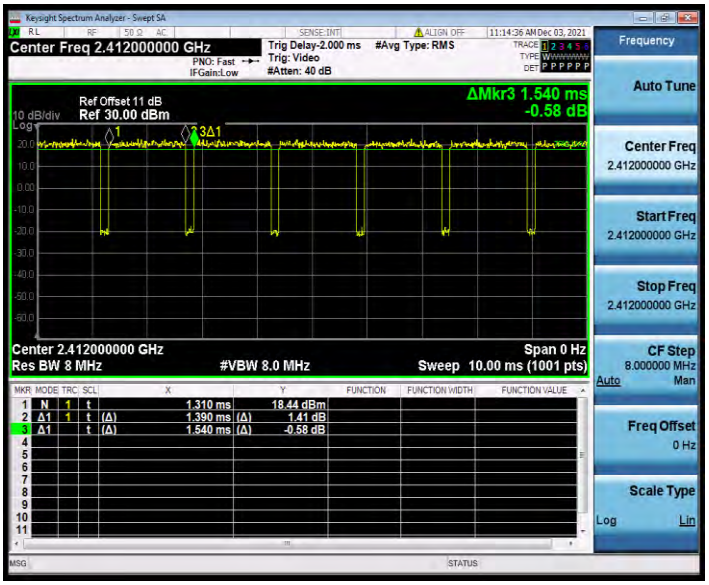
11B_Ant1_2437



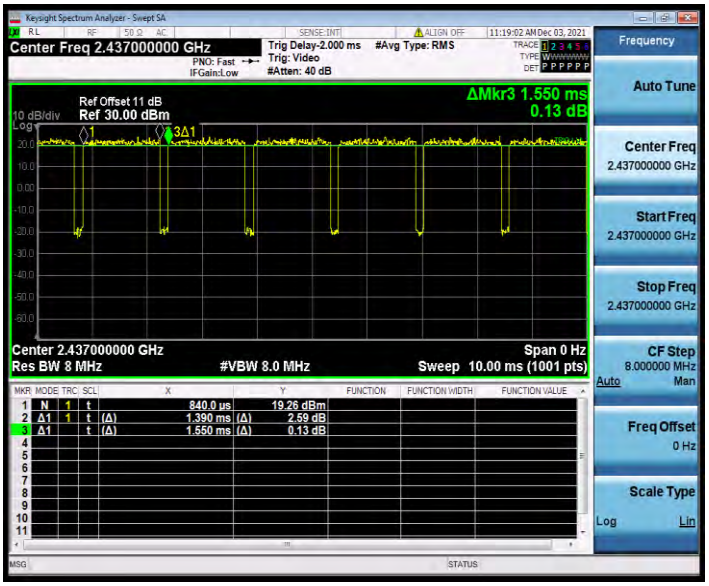
11B_Ant1_2462



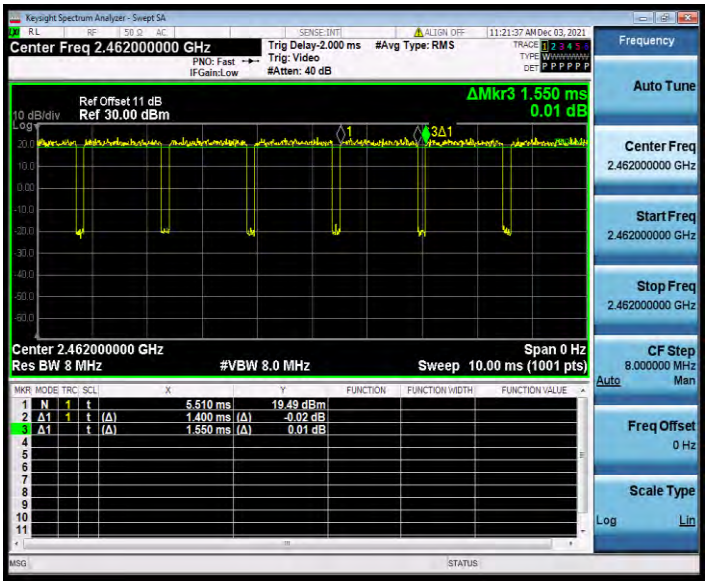
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412