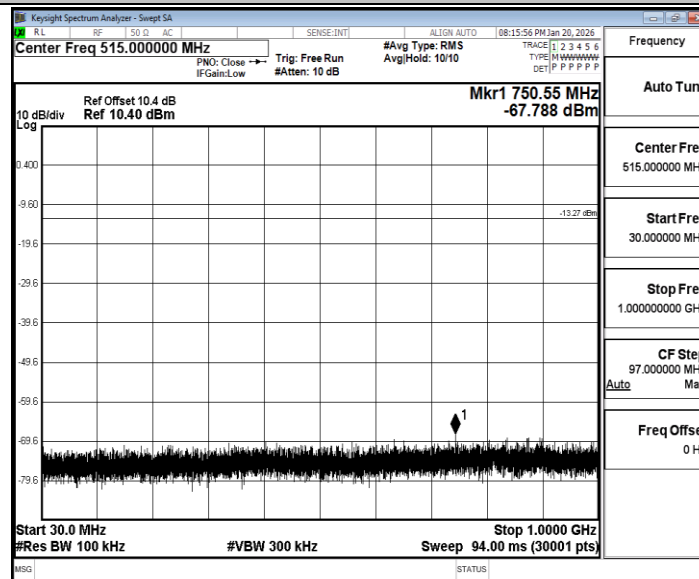
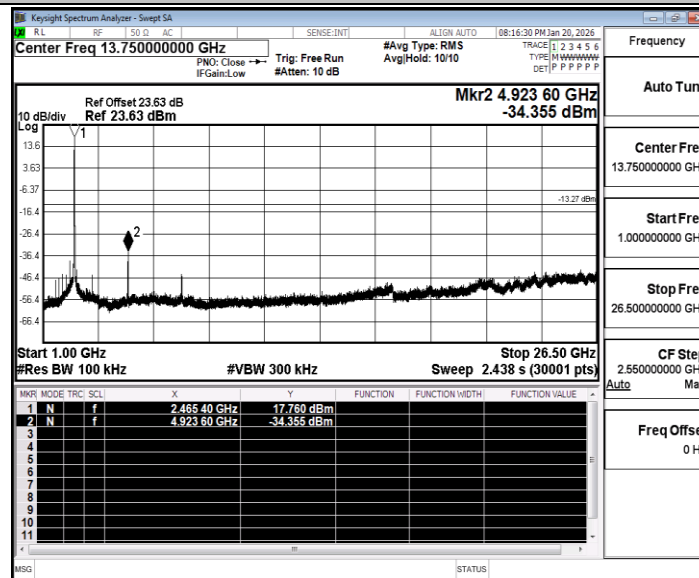


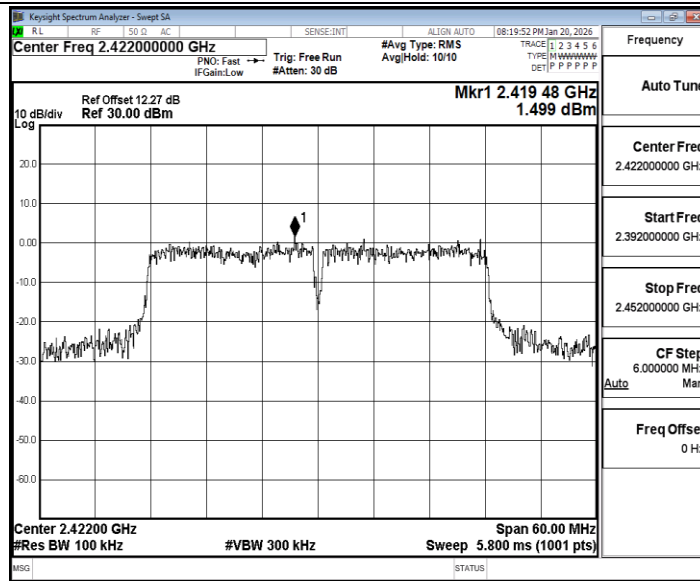
11N20SISO_Ant2_2462_30~1000



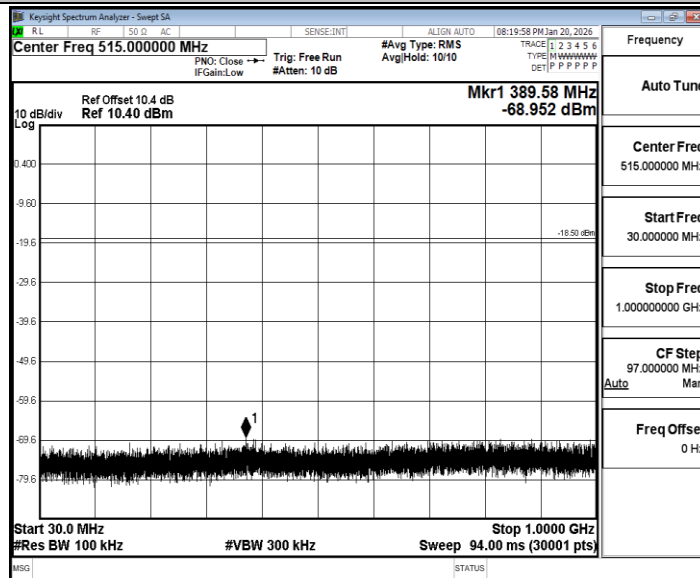
11N20SISO_Ant2_2462_1000~26500



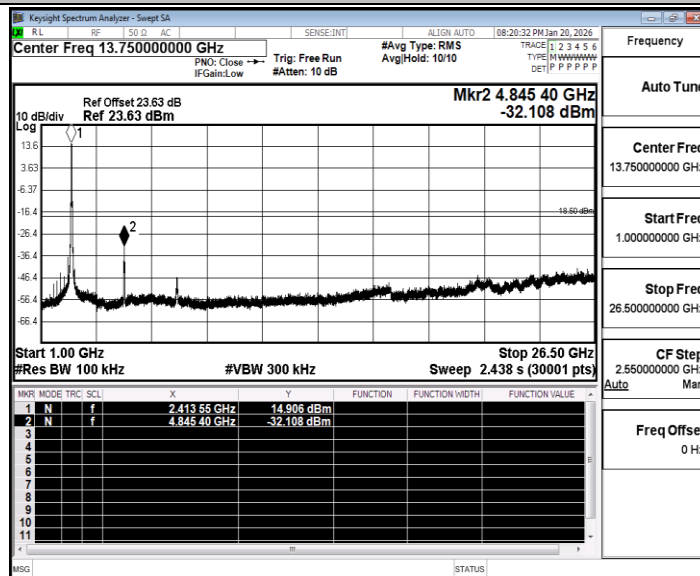
11N40SISO_Ant2_2422_0~Reference



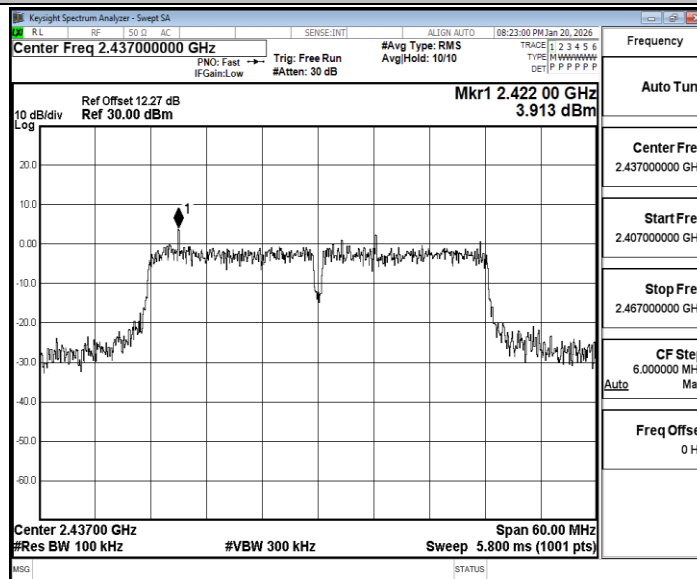
11N40SISO_Ant2_2422_30~1000



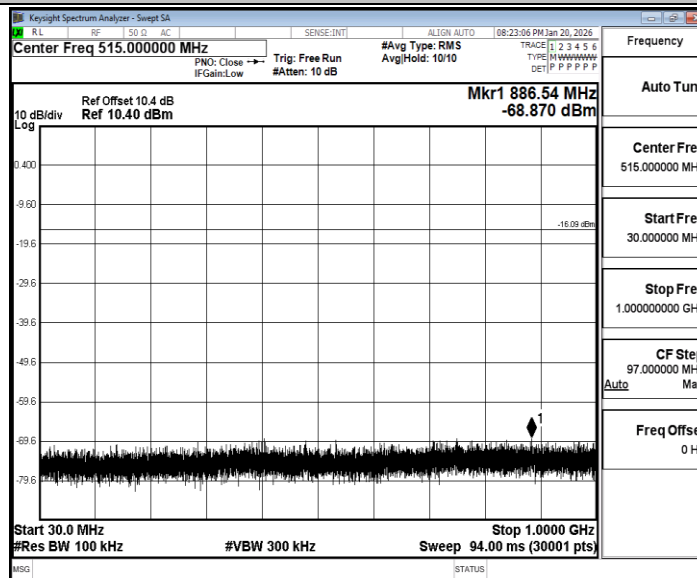
11N40SISO_Ant2_2422_1000~26500



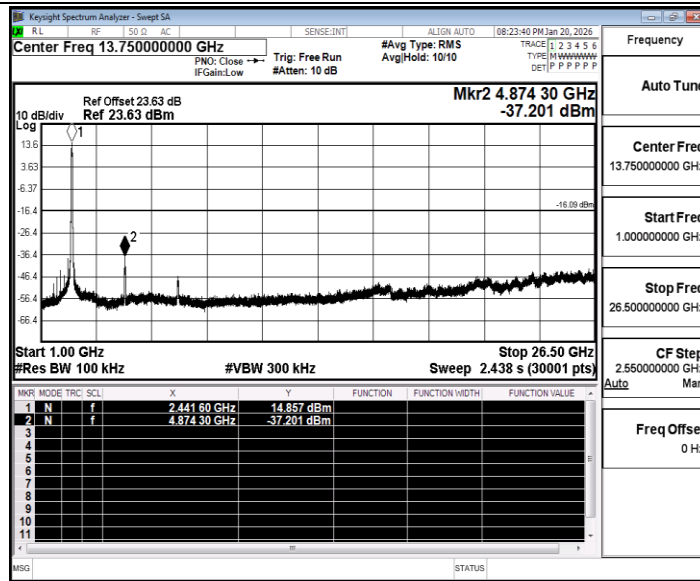
11N40SISO_Ant2_2437_0~Reference



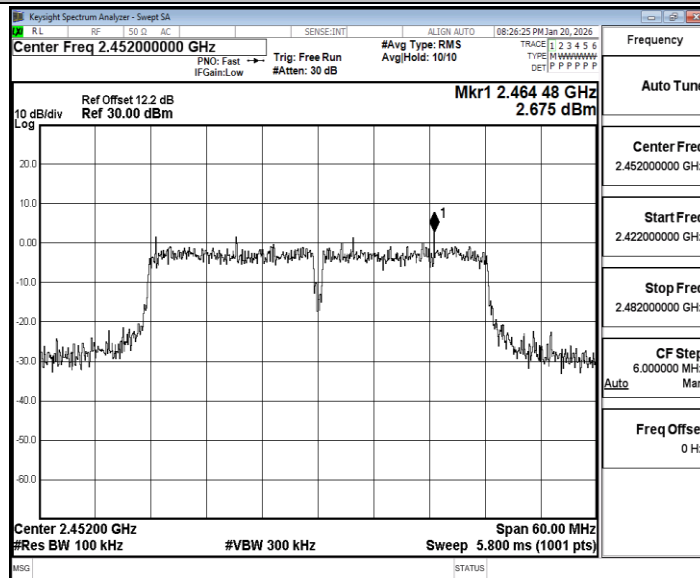
11N40SISO_Ant2_2437_30~1000



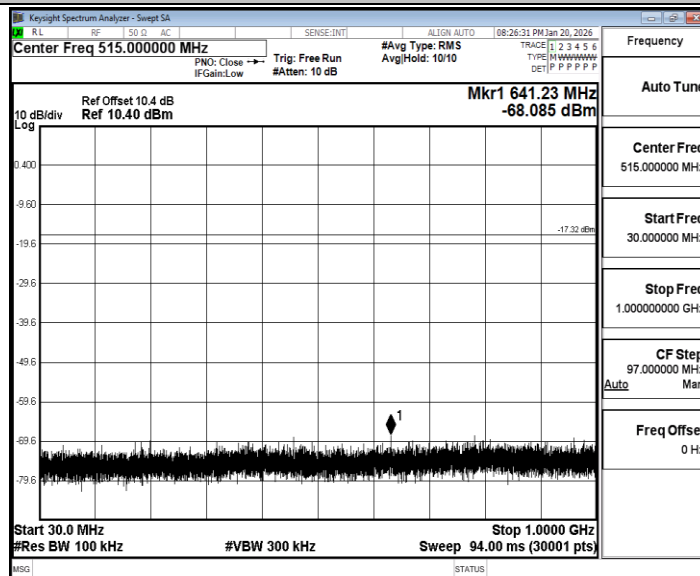
11N40SISO_Ant2_2437_1000~26500

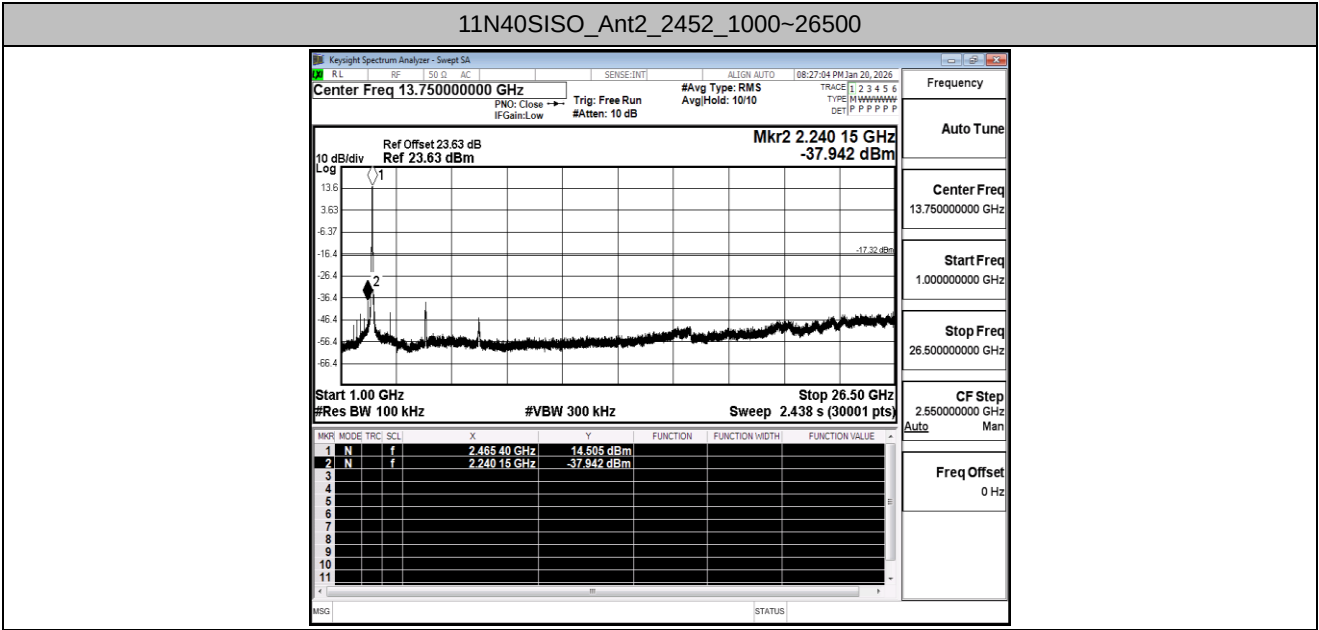


11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000





A.6 Duty Cycle

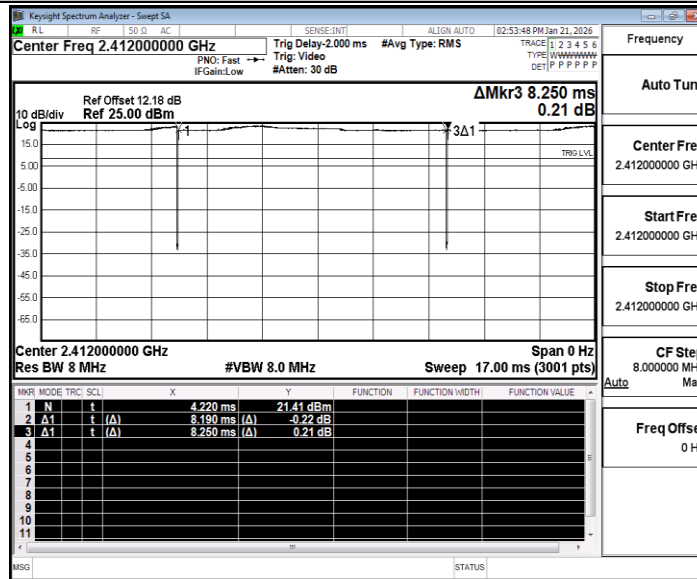
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	xFactor
11B	Ant1	2412	8.19	8.25	99.27	0.03
		2437	8.20	8.25	99.39	0.03
		2462	8.19	8.25	99.27	0.03
11G	Ant1	2412	1.36	1.41	96.45	0.16
		2437	1.36	1.41	96.45	0.16
		2462	1.36	1.41	96.45	0.16
11N20SISO	Ant1	2412	1.27	1.32	96.21	0.17
		2437	1.27	1.33	95.49	0.20
		2462	1.27	1.32	96.21	0.17
11N40SISO	Ant1	2422	0.63	0.68	92.65	0.33
		2437	0.63	0.69	91.30	0.40
		2452	0.63	0.68	92.65	0.33

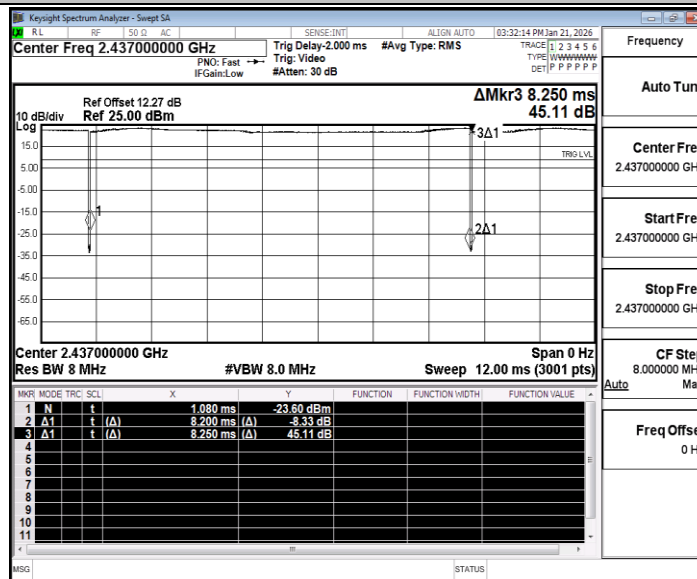
Note :offset=System attenuation +cable loss

Test Graphs

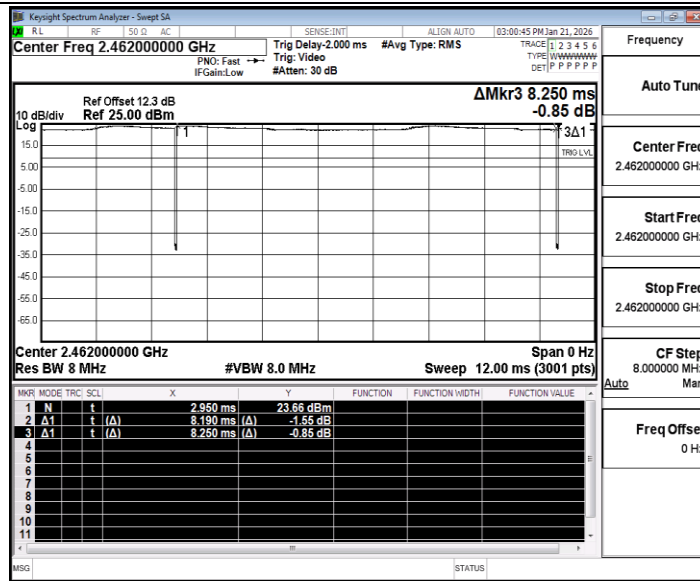
11B_Ant1_2412



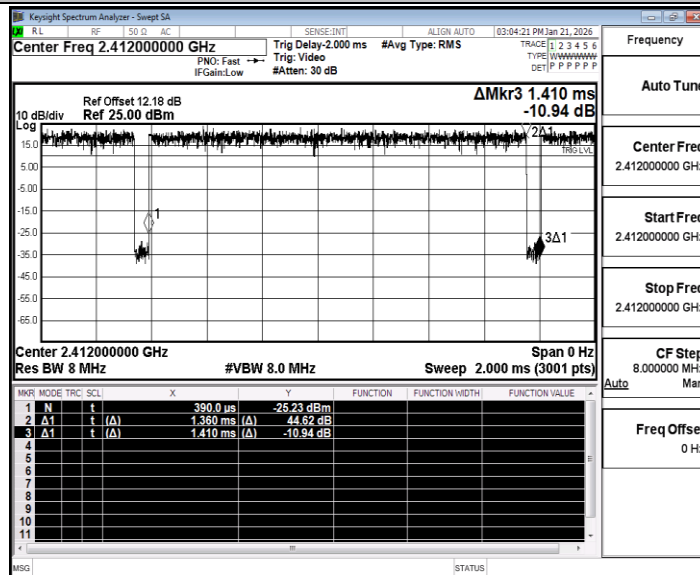
11B_Ant1_2437



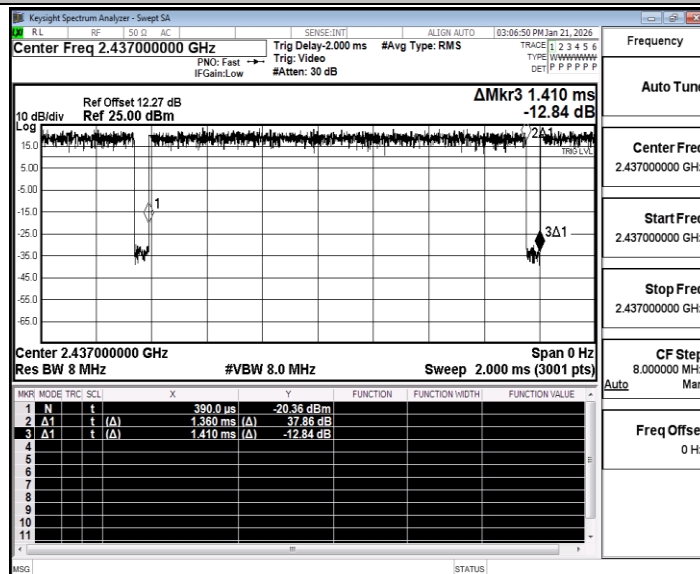
11B_Ant1_2462



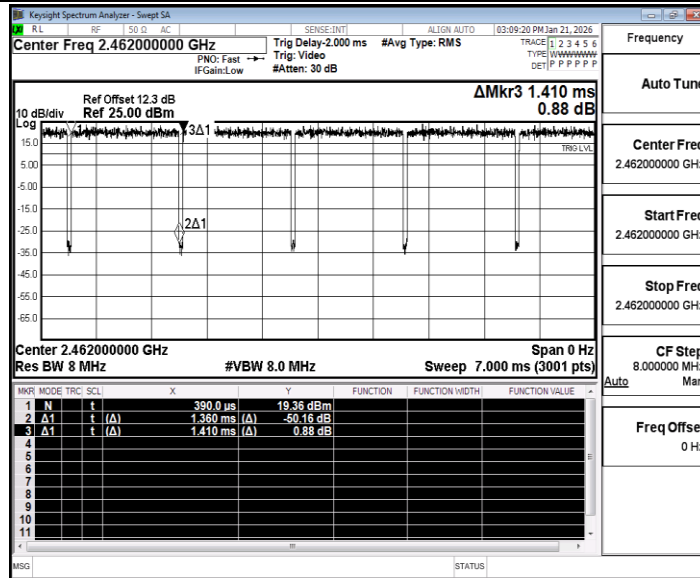
11G_Ant1_2412



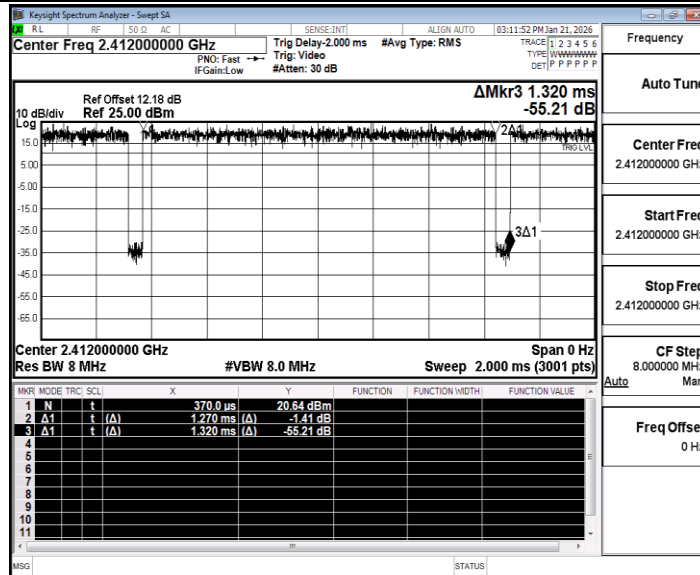
11G_Ant1_2437



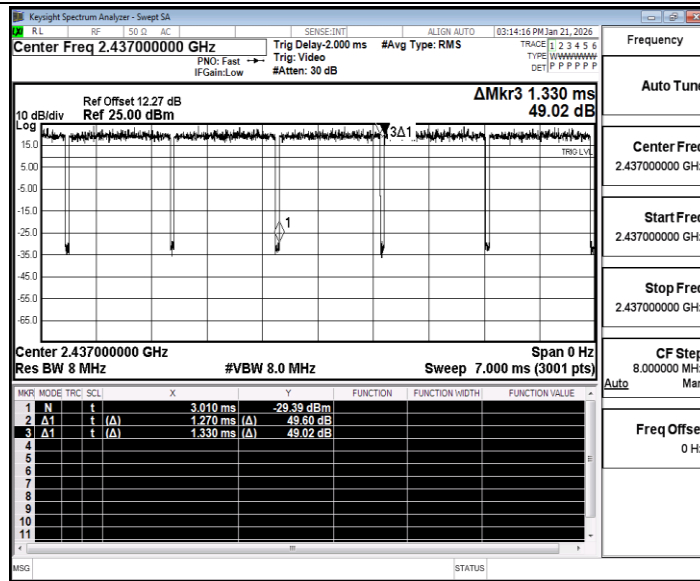
11G_Ant1_2462



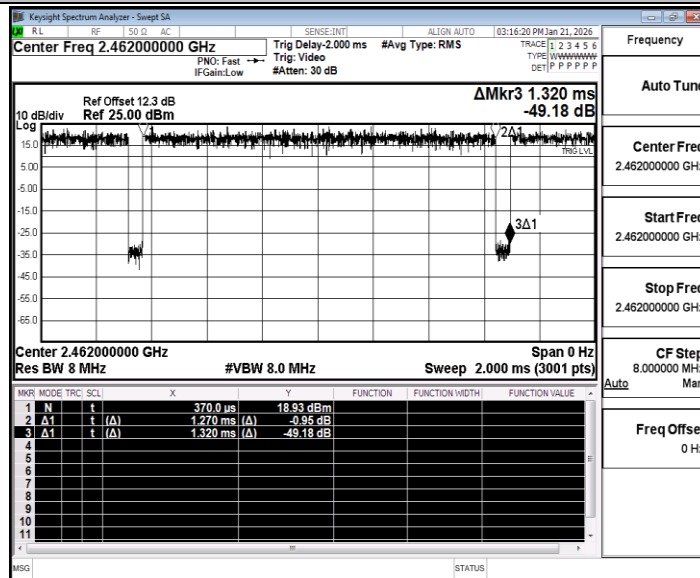
11N20SISO_Ant1_2412



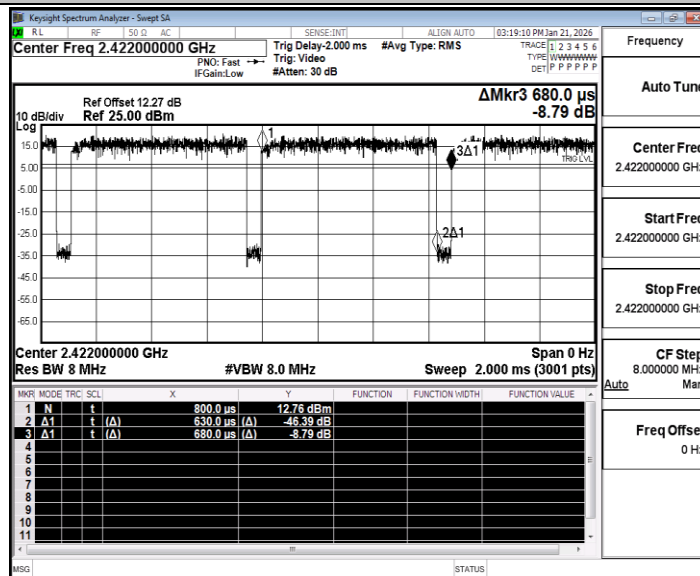
11N20SISO_Ant1_2437



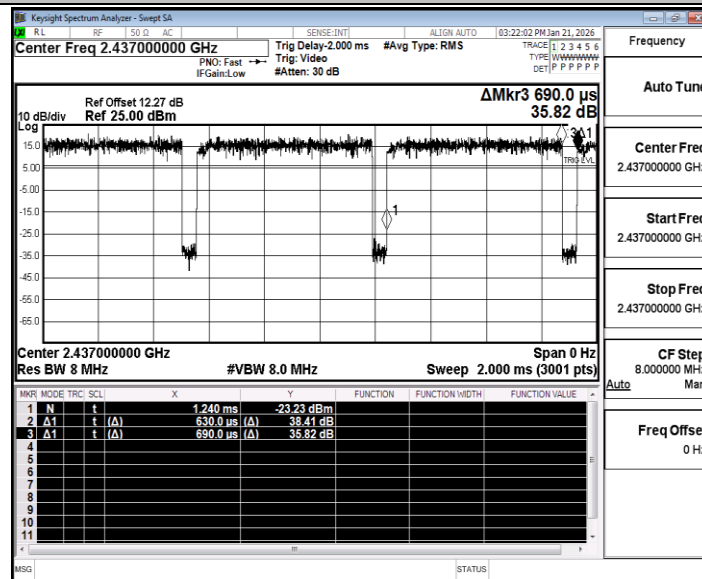
11N20SISO_Ant1_2462



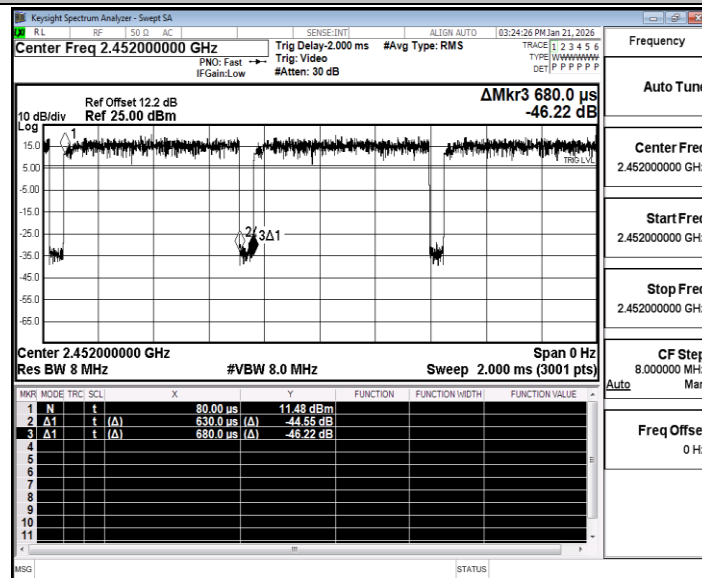
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



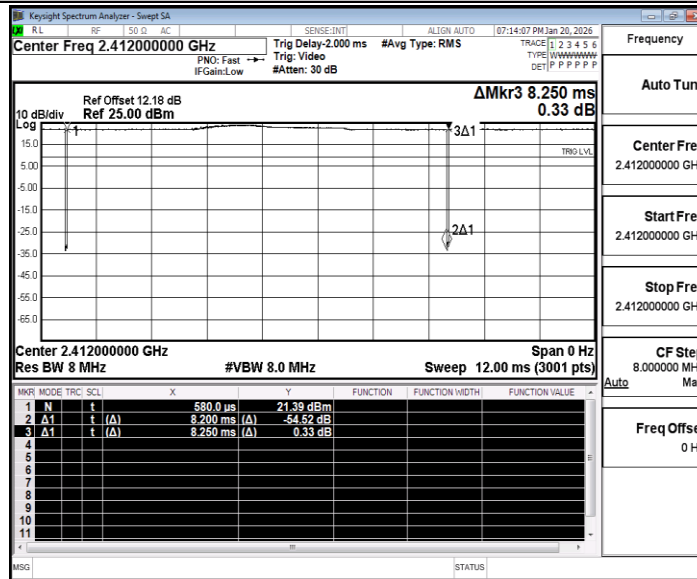
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	xFactor
11B	Ant2	2412	8.20	8.25	99.39	0.03
		2437	8.19	8.25	99.27	0.03
		2462	8.20	8.25	99.39	0.03
11G	Ant2	2412	1.36	1.41	96.45	0.16
		2437	1.36	1.41	96.45	0.16
		2462	1.36	1.41	96.45	0.16
11N20SISO	Ant2	2412	1.27	1.32	96.21	0.17
		2437	1.27	1.32	96.21	0.17
		2462	1.27	1.33	95.49	0.20
11N40SISO	Ant2	2422	0.63	0.69	91.30	0.40
		2437	0.64	0.69	92.75	0.33
		2452	0.63	0.69	91.30	0.40

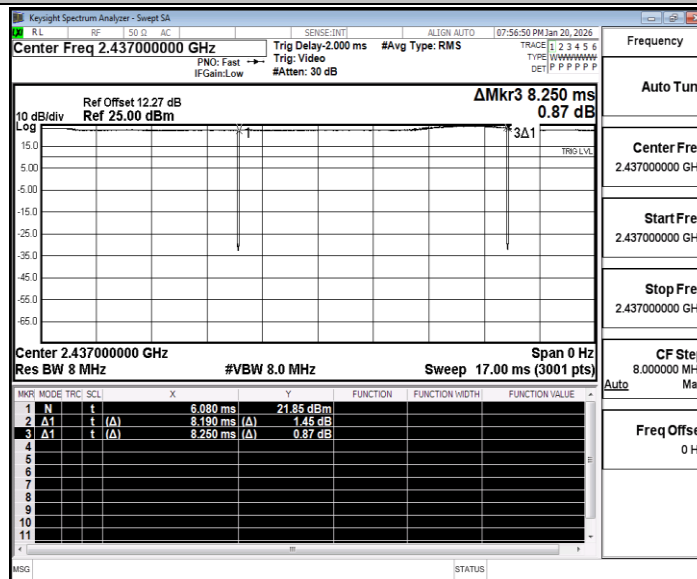
Note :offset=System attenuation +cabal loss

Test Graphs

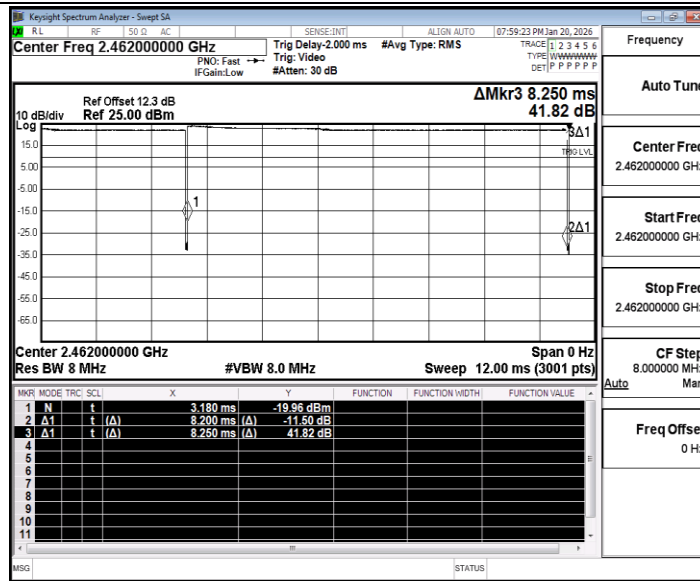
11B_Ant2_2412



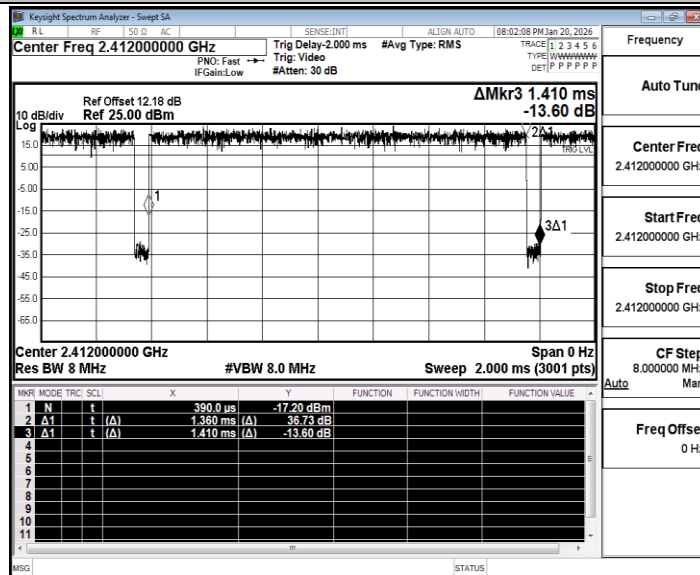
11B_Ant2_2437



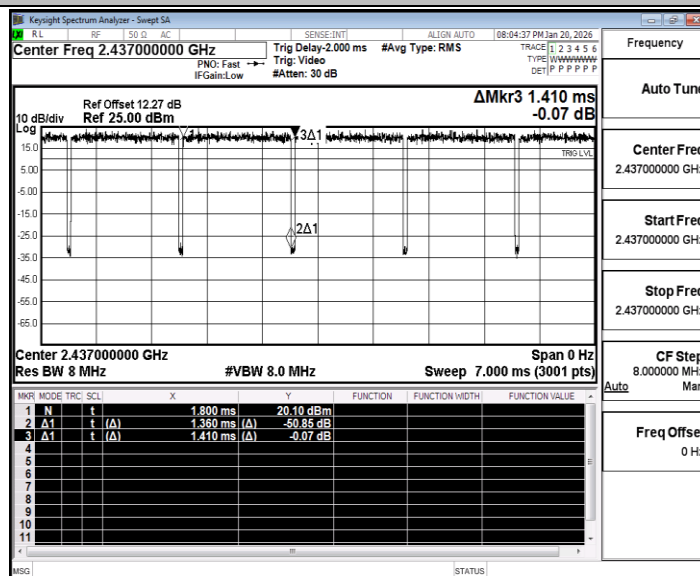
11B_Ant2_2462



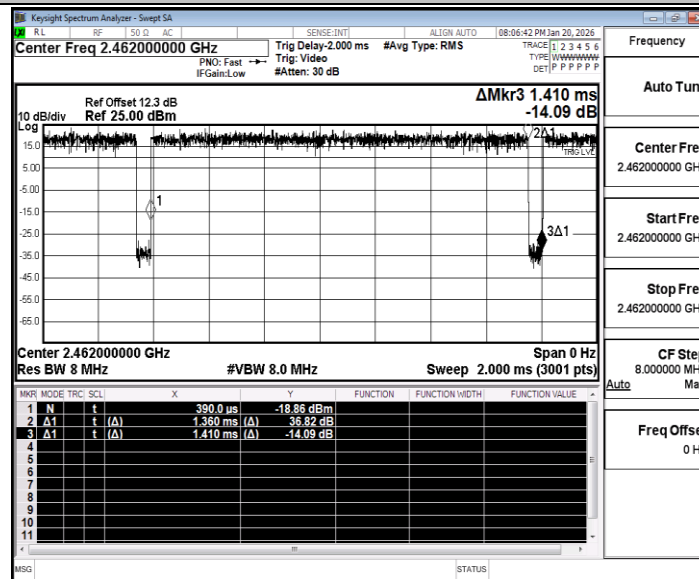
11G_Ant2_2412



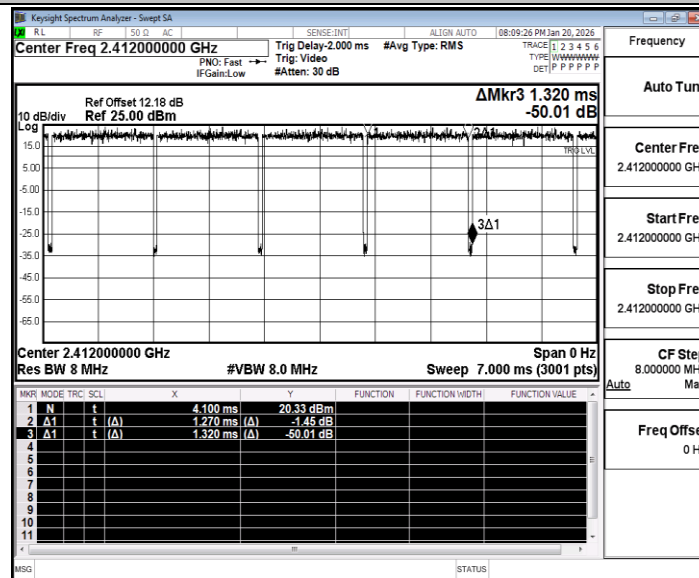
11G_Ant2_2437



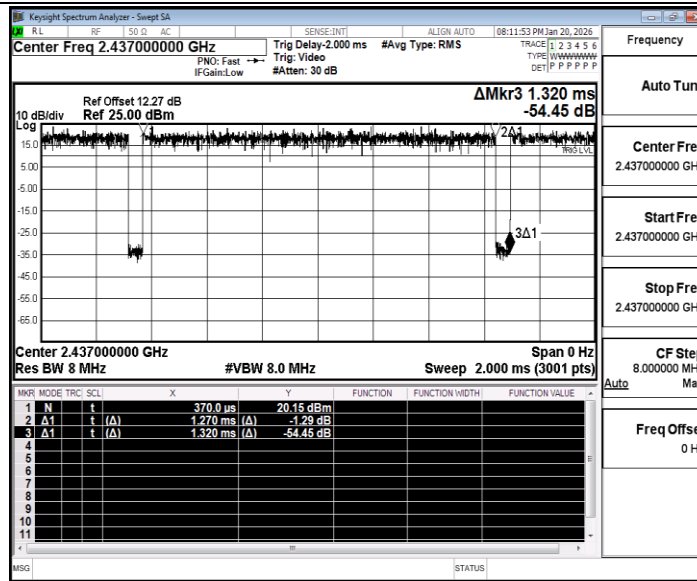
11G_Ant2_2462



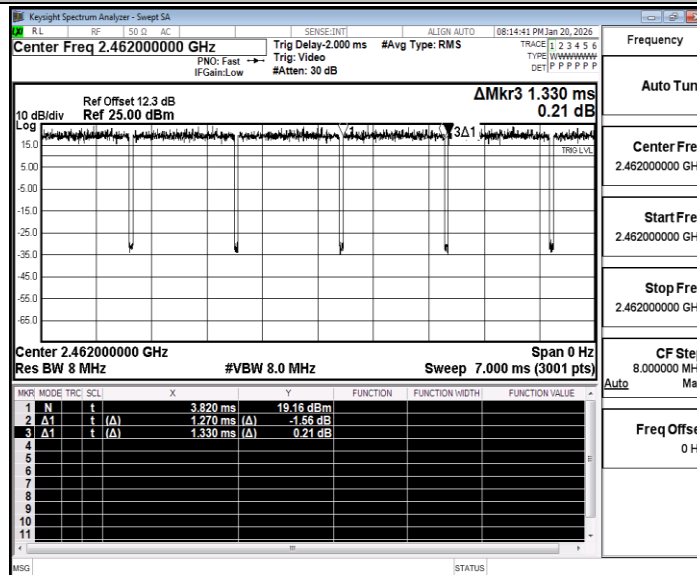
11N20SISO_Ant2_2412



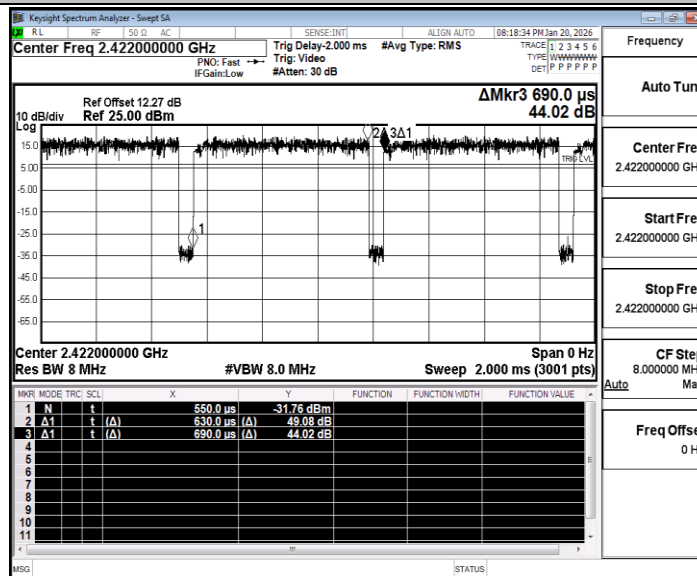
11N20SISO_Ant2_2437



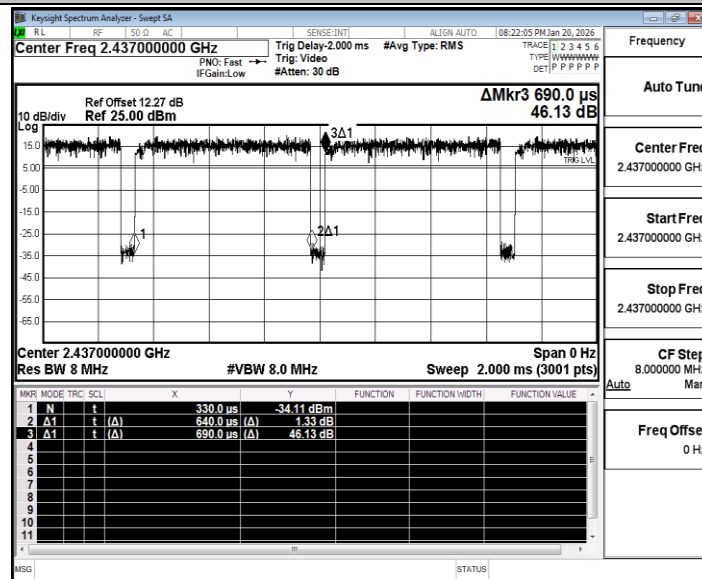
11N20SISO_Ant2_2462



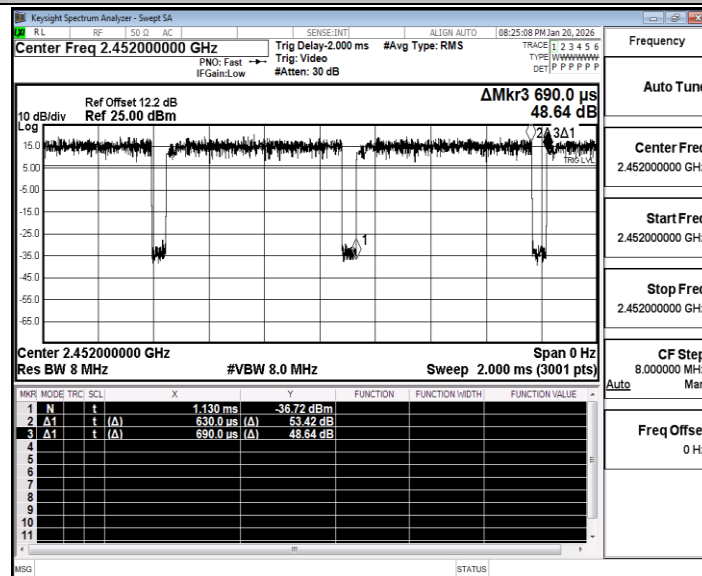
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



A.7 Emissions in Restricted Bands

Test Result

Test Mode	Antenna	Channel Name	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-56.25	≤-43.23	2.00	0.03	40.98	≤54	PASS
				AV	2386.060	-44.85	≤-43.23	2.00	0.03	52.38	≤54	PASS
				AV	2390.000	-49.99	≤-43.23	2.00	0.03	47.24	≤54	PASS
				Peak	2310.000	-47.5	≤-23.20	2.00	0.00	49.70	≤74	PASS
				Peak	2386.840	-39.81	≤-23.20	2.00	0.00	57.39	≤74	PASS
				Peak	2390.000	-43.17	≤-23.20	2.00	0.00	54.03	≤74	PASS
		High	2462	AV	2483.500	-52.48	≤-43.23	2.00	0.03	44.75	≤54	PASS
				AV	2487.960	-46.92	≤-43.23	2.00	0.03	50.31	≤54	PASS
				AV	2500.000	-54.44	≤-43.23	2.00	0.03	42.79	≤54	PASS
				Peak	2483.500	-43.43	≤-23.20	2.00	0.00	53.77	≤74	PASS
				Peak	2487.740	-42.13	≤-23.20	2.00	0.00	55.07	≤74	PASS
				Peak	2500.000	-48.78	≤-23.20	2.00	0.00	48.42	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-54.95	≤-43.36	2.00	0.16	42.41	≤54	PASS
				AV	2389.830	-44.36	≤-43.36	2.00	0.16	53.00	≤54	PASS
				AV	2390.000	-44.55	≤-43.36	2.00	0.16	52.81	≤54	PASS
				Peak	2310.000	-49.89	≤-23.20	2.00	0.00	47.31	≤74	PASS
				Peak	2389.960	-31.87	≤-23.20	2.00	0.00	65.33	≤74	PASS
				Peak	2390.000	-31.87	≤-23.20	2.00	0.00	65.33	≤74	PASS
		High	2462	AV	2483.500	-45.46	≤-43.36	2.00	0.16	51.90	≤54	PASS
				AV	2483.670	-45.33	≤-43.36	2.00	0.16	52.03	≤54	PASS
				AV	2500.000	-55.07	≤-43.36	2.00	0.16	42.29	≤54	PASS
				Peak	2483.500	-39.62	≤-23.20	2.00	0.00	57.58	≤74	PASS
				Peak	2483.670	-35.88	≤-23.20	2.00	0.00	61.32	≤74	PASS
				Peak	2500.000	-50.22	≤-23.20	2.00	0.00	46.98	≤74	PASS
11N20 SISO	Ant1	Low	2412	AV	2310.000	-56.39	≤-43.37	2.00	0.17	40.98	≤54	PASS
				AV	2389.960	-50.67	≤-43.37	2.00	0.17	46.70	≤54	PASS
				AV	2390.000	-50.67	≤-43.37	2.00	0.17	46.70	≤54	PASS
				Peak	2310.000	-50.87	≤-23.20	2.00	0.00	46.33	≤74	PASS
				Peak	2389.310	-41.15	≤-23.20	2.00	0.00	56.05	≤74	PASS
				Peak	2390.000	-44.88	≤-23.20	2.00	0.00	52.32	≤74	PASS
		High	2462	AV	2483.500	-44.81	≤-43.37	2.00	0.17	52.56	≤54	PASS
				AV	2483.670	-43.89	≤-43.37	2.00	0.17	53.48	≤54	PASS
				AV	2500.000	-55.14	≤-43.37	2.00	0.17	42.23	≤54	PASS
				Peak	2483.500	-35.96	≤-23.20	2.00	0.00	61.24	≤74	PASS
				Peak	2483.670	-37.45	≤-23.20	2.00	0.00	59.75	≤74	PASS
				Peak	2500.000	-48.11	≤-23.20	2.00	0.00	49.09	≤74	PASS

11N40 SISO	Ant1	Low	2422	AV	2310.000	-56.22	≤-43.53	2.00	0.33	41.31	≤54	PASS
				AV	2389.700	-46.31	≤-43.53	2.00	0.33	51.22	≤54	PASS
				AV	2390.000	-46.62	≤-43.53	2.00	0.33	50.91	≤54	PASS
				Peak	2310.000	-48.77	≤-23.20	2.00	0.00	48.43	≤74	PASS
				Peak	2388.200	-37.86	≤-23.20	2.00	0.00	59.34	≤74	PASS
				Peak	2390.000	-42.07	≤-23.20	2.00	0.00	55.13	≤74	PASS
		High	2452	AV	2483.500	-48.3	≤-43.53	2.00	0.33	49.23	≤54	PASS
				AV	2483.625	-47.61	≤-43.53	2.00	0.33	49.92	≤54	PASS
				AV	2500.000	-54.88	≤-43.53	2.00	0.33	42.65	≤54	PASS
				Peak	2483.500	-43.41	≤-23.20	2.00	0.00	53.79	≤74	PASS
				Peak	2487.375	-38.16	≤-23.20	2.00	0.00	59.04	≤74	PASS
				Peak	2500.000	-47.45	≤-23.20	2.00	0.00	49.75	≤74	PASS

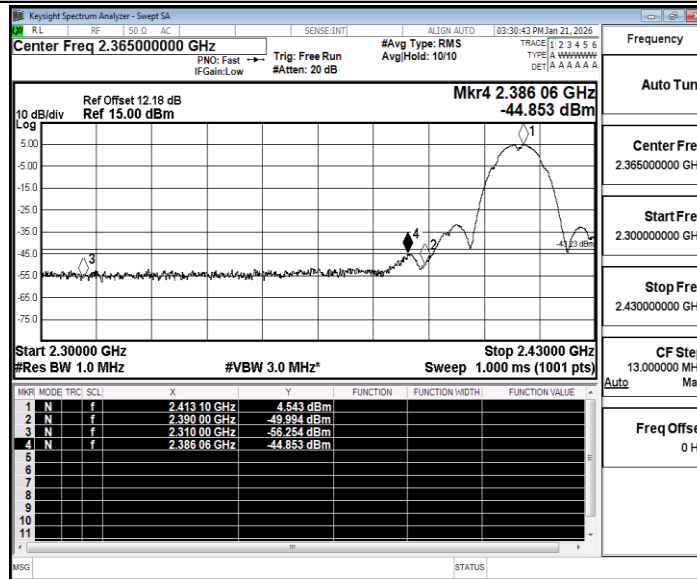
Note :offset=System attenuation +cabel loss

Note:

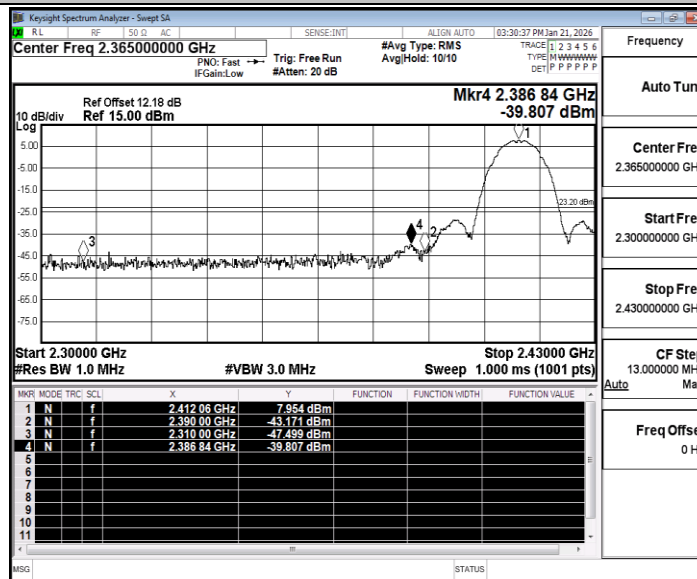
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

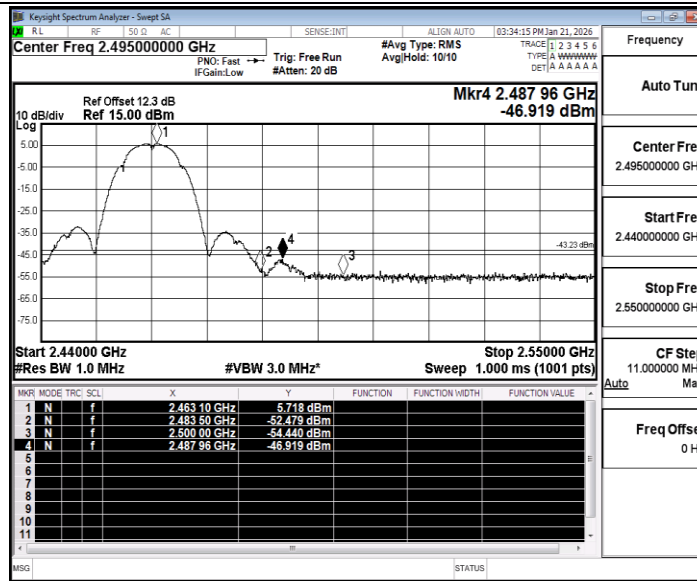
11B_Ant1_Low_2412_AV



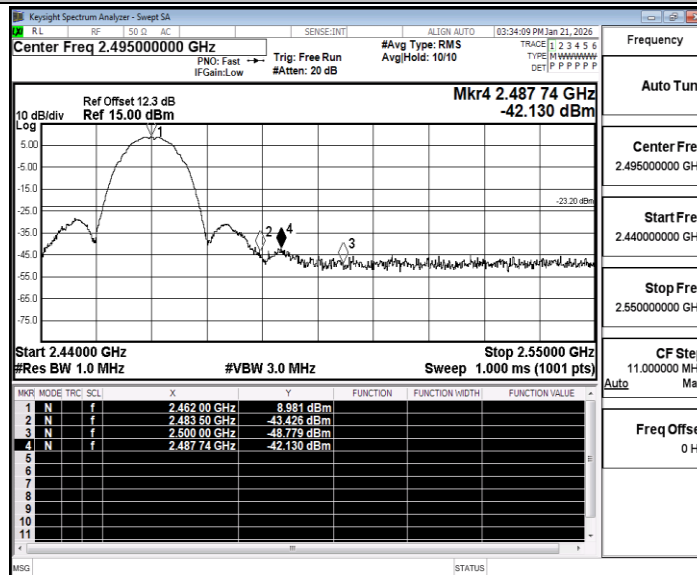
11B_Ant1_Low_2412_Peak



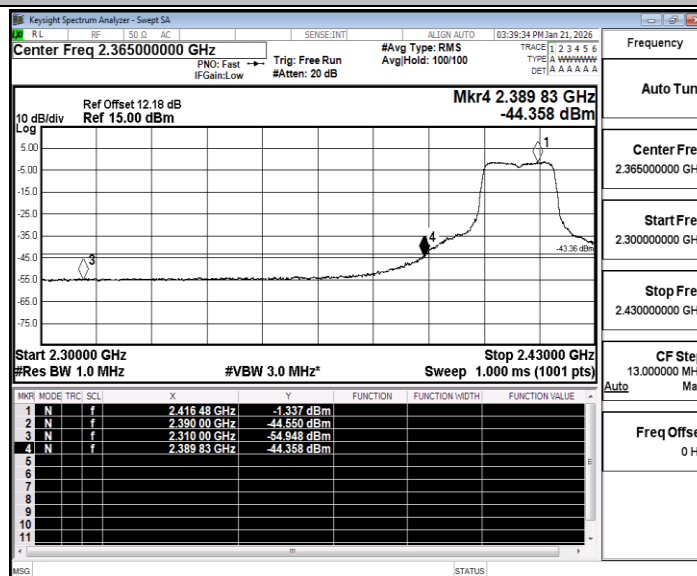
11B_Ant1_High_2462_AV



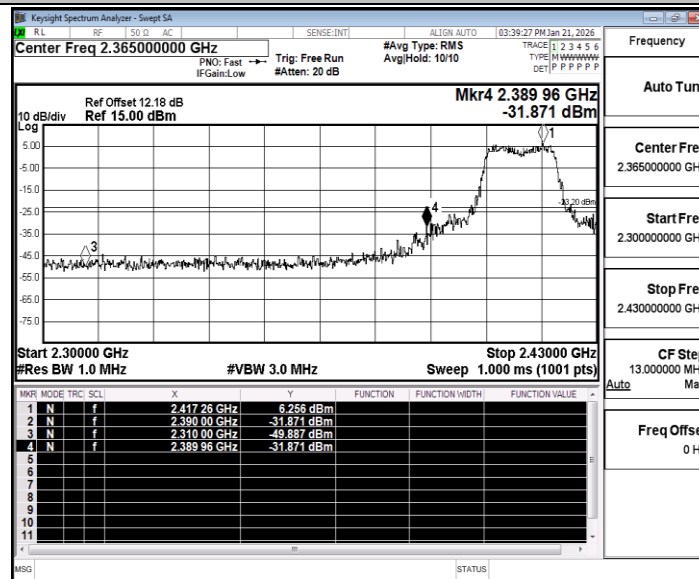
11B_Ant1_High_2462_Peak



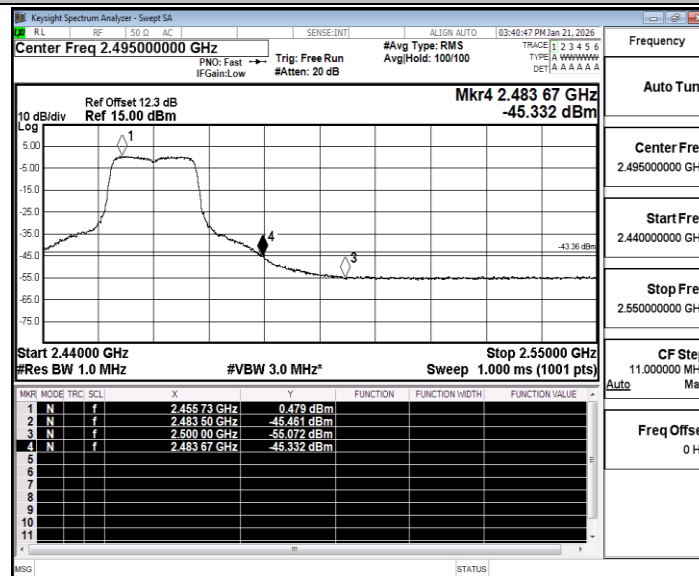
11G_Ant1_Low_2412_AV



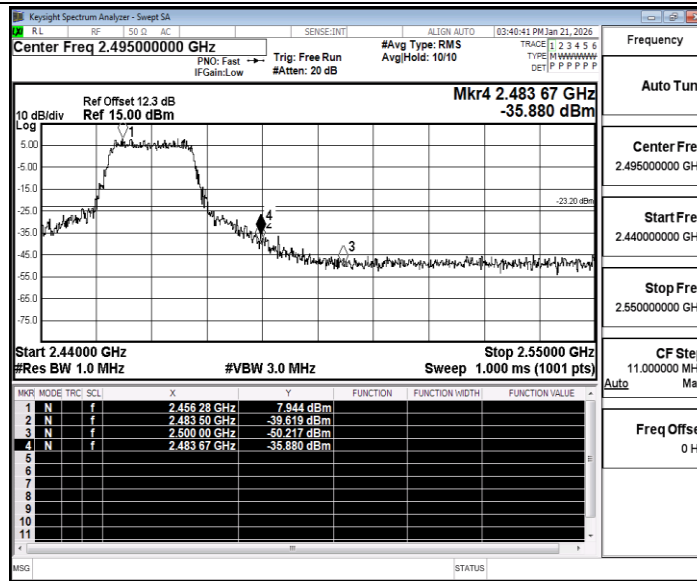
11G_Ant1_Low_2412_Peak



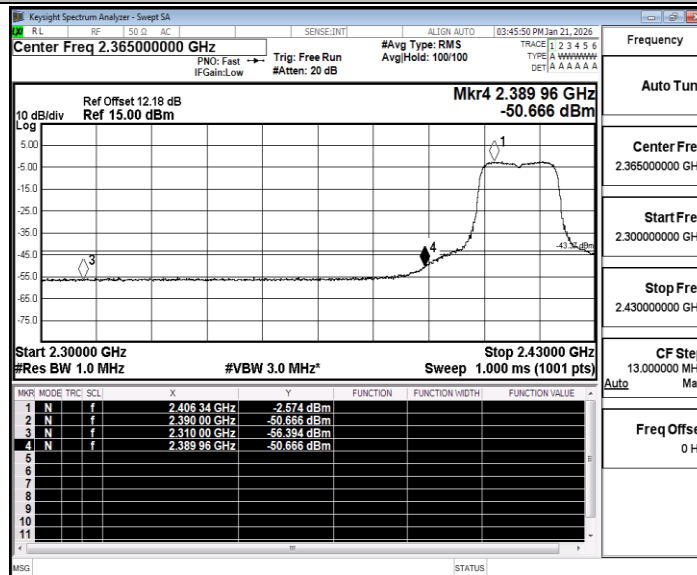
11G_Ant1_High_2462_AV



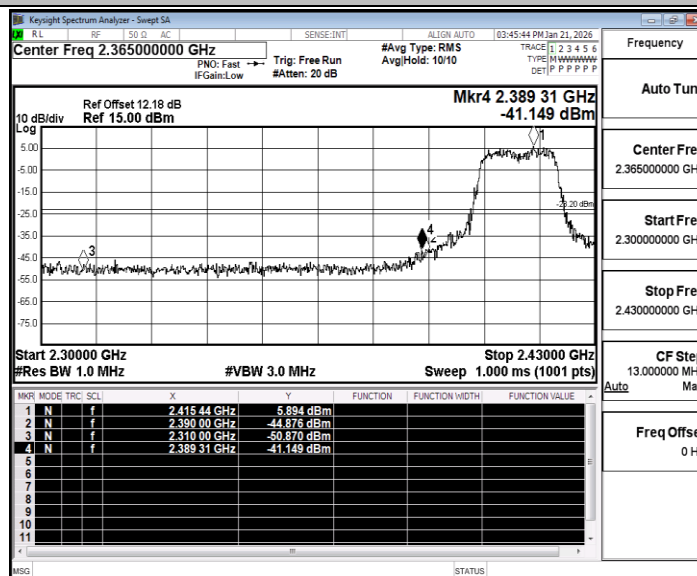
11G_Ant1_High_2462_Peak



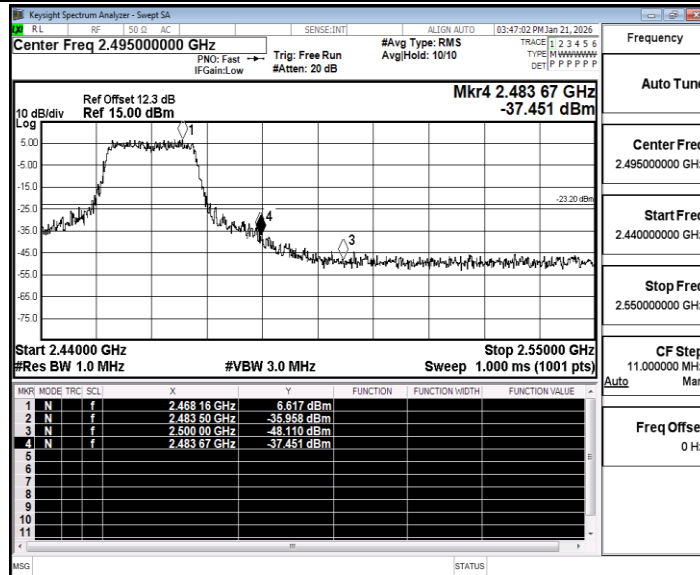
11N20SISO_Ant1_Low_2412_AV

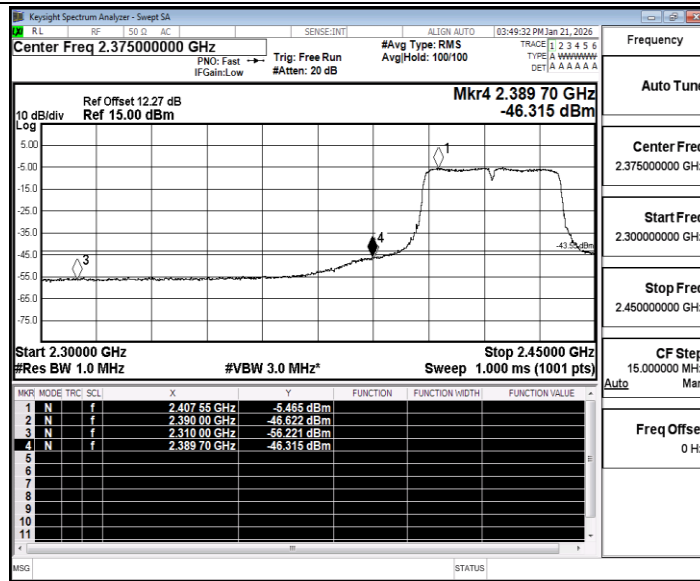


11N20SISO_Ant1_Low_2412_Peak

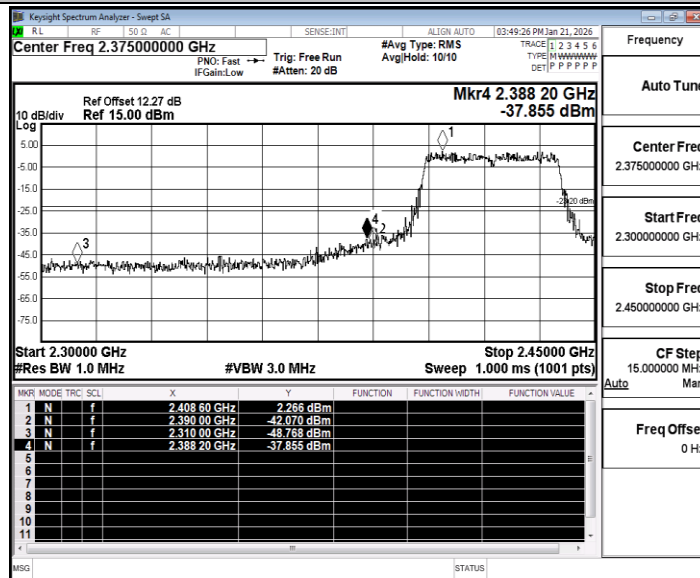


11N20SISO_Ant1_High_2462_Peak

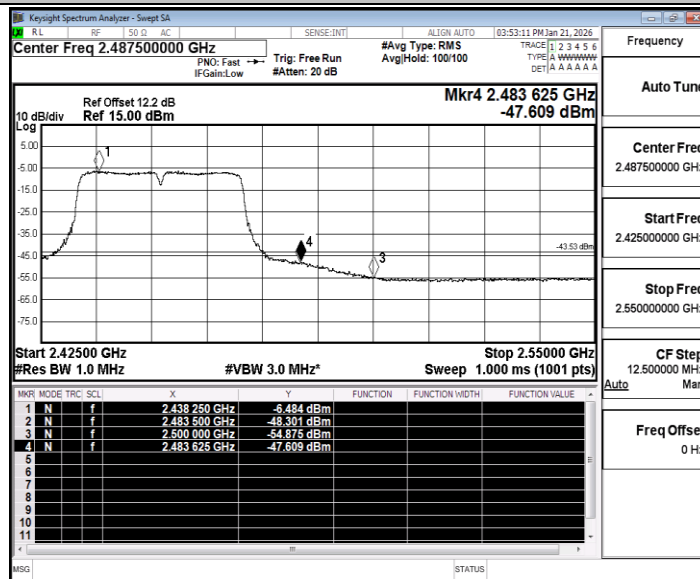




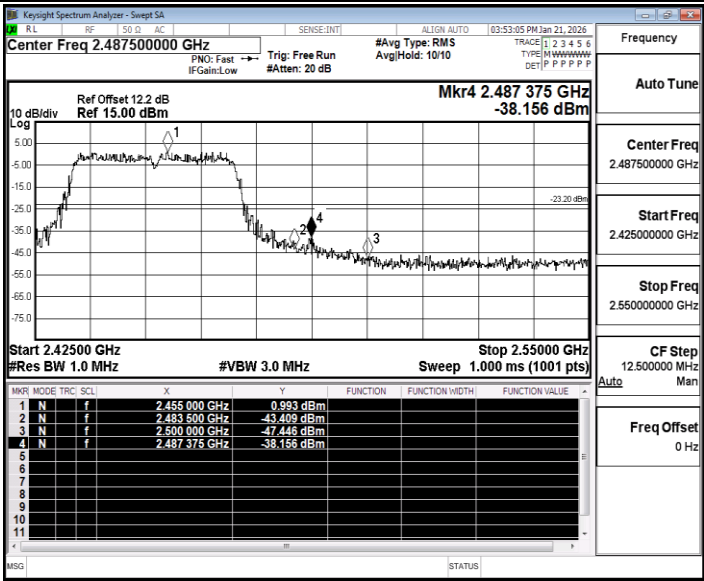
11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



11N40SISO_Ant1_High_2452_Peak



Test Result

Test Mode	Antenna	Channel Name	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant2	Low	2412	AV	2310.000	-59	≤-43.23	2.00	0.03	38.23	≤54	PASS
				AV	2386.580	-44.88	≤-43.23	2.00	0.03	52.35	≤54	PASS
				AV	2390.000	-52.98	≤-43.23	2.00	0.03	44.25	≤54	PASS
				Peak	2310.000	-51.58	≤-23.20	2.00	0.00	45.62	≤74	PASS
				Peak	2386.840	-40.3	≤-23.20	2.00	0.00	56.90	≤74	PASS
				Peak	2390.000	-44.45	≤-23.20	2.00	0.00	52.75	≤74	PASS
		High	2462	AV	2483.500	-50.48	≤-43.23	2.00	0.03	46.75	≤54	PASS
				AV	2487.960	-46.42	≤-43.23	2.00	0.03	50.81	≤54	PASS
				AV	2500.000	-54.68	≤-43.23	2.00	0.03	42.55	≤54	PASS
				Peak	2483.500	-44.33	≤-23.20	2.00	0.00	52.87	≤74	PASS
				Peak	2483.780	-41.61	≤-23.20	2.00	0.00	55.59	≤74	PASS
				Peak	2500.000	-49.18	≤-23.20	2.00	0.00	48.02	≤74	PASS
11G	Ant2	Low	2412	AV	2310.000	-55.7	≤-43.36	2.00	0.16	41.66	≤54	PASS
				AV	2389.960	-47.54	≤-43.36	2.00	0.16	49.82	≤54	PASS
				AV	2390.000	-47.54	≤-43.36	2.00	0.16	49.82	≤54	PASS
				Peak	2310.000	-49.24	≤-23.20	2.00	0.00	47.96	≤74	PASS
				Peak	2385.930	-39.24	≤-23.20	2.00	0.00	57.96	≤74	PASS
				Peak	2390.000	-40.8	≤-23.20	2.00	0.00	56.40	≤74	PASS
		High	2462	AV	2483.500	-46.58	≤-43.36	2.00	0.16	50.78	≤54	PASS
				AV	2483.560	-46.05	≤-43.36	2.00	0.16	51.31	≤54	PASS
				AV	2500.000	-54.88	≤-43.36	2.00	0.16	42.48	≤54	PASS
				Peak	2483.500	-36.51	≤-23.20	2.00	0.00	60.69	≤74	PASS
				Peak	2483.560	-35.06	≤-23.20	2.00	0.00	62.14	≤74	PASS
				Peak	2500.000	-47.13	≤-23.20	2.00	0.00	50.07	≤74	PASS
11N2 OSIS O	Ant2	Low	2412	AV	2310.000	-55.46	≤-43.37	2.00	0.17	41.91	≤54	PASS
				AV	2389.700	-44.3	≤-43.37	2.00	0.17	53.07	≤54	PASS
				AV	2390.000	-44.78	≤-43.37	2.00	0.17	52.59	≤54	PASS
				Peak	2310.000	-49.13	≤-23.20	2.00	0.00	48.07	≤74	PASS
				Peak	2389.960	-36.34	≤-23.20	2.00	0.00	60.86	≤74	PASS
				Peak	2390.000	-36.34	≤-23.20	2.00	0.00	60.86	≤74	PASS
		High	2462	AV	2483.500	-44.94	≤-43.40	2.00	0.20	52.46	≤54	PASS
				AV	2484.000	-44.61	≤-43.40	2.00	0.20	52.79	≤54	PASS
				AV	2500.000	-54.21	≤-43.40	2.00	0.20	43.19	≤54	PASS
				Peak	2483.500	-37.83	≤-23.20	2.00	0.00	59.37	≤74	PASS
				Peak	2484.330	-33.47	≤-23.20	2.00	0.00	63.73	≤74	PASS
				Peak	2500.000	-48.35	≤-23.20	2.00	0.00	48.85	≤74	PASS
11N4	Ant2	Low	2422	AV	2310.000	-56.14	≤-43.60	2.00	0.40	41.46	≤54	PASS

OSIS O				AV	2389.400	-48.87	≤-43.60	2.00	0.40	48.73	≤54	PASS
				AV	2390.000	-49.67	≤-43.60	2.00	0.40	47.93	≤54	PASS
				Peak	2310.000	-50.78	≤-23.20	2.00	0.00	46.42	≤74	PASS
				Peak	2387.900	-35.97	≤-23.20	2.00	0.00	61.23	≤74	PASS
				Peak	2390.000	-41.23	≤-23.20	2.00	0.00	55.97	≤74	PASS
		High	2452	AV	2483.500	-45.01	≤-43.60	2.00	0.40	52.59	≤54	PASS
				AV	2483.625	-45.18	≤-43.60	2.00	0.40	52.42	≤54	PASS
				AV	2500.000	-52.9	≤-43.60	2.00	0.40	44.70	≤54	PASS
				Peak	2483.500	-36.33	≤-23.20	2.00	0.00	60.87	≤74	PASS
				Peak	2487.250	-36.07	≤-23.20	2.00	0.00	61.13	≤74	PASS
				Peak	2500.000	-42.48	≤-23.20	2.00	0.00	54.72	≤74	PASS

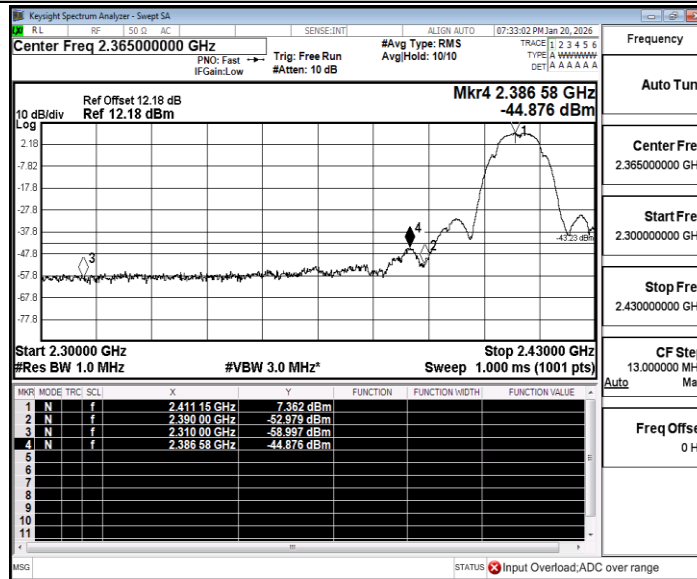
Note :offset=System attenuation +cabal loss

Note:

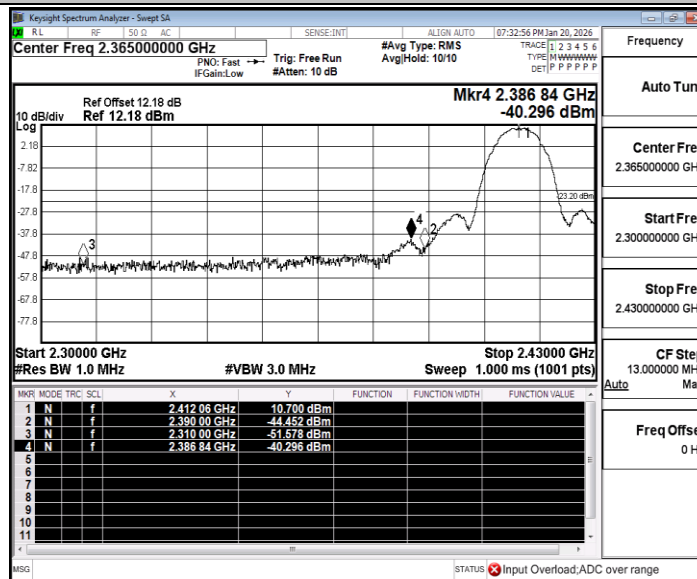
3. The Antenna Gain is compensated in the graph.
4. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

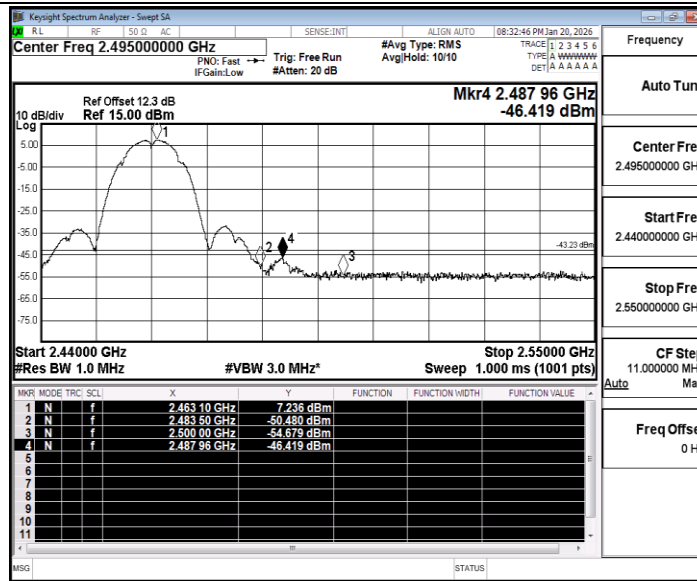
11B_Ant2_Low_2412_AV



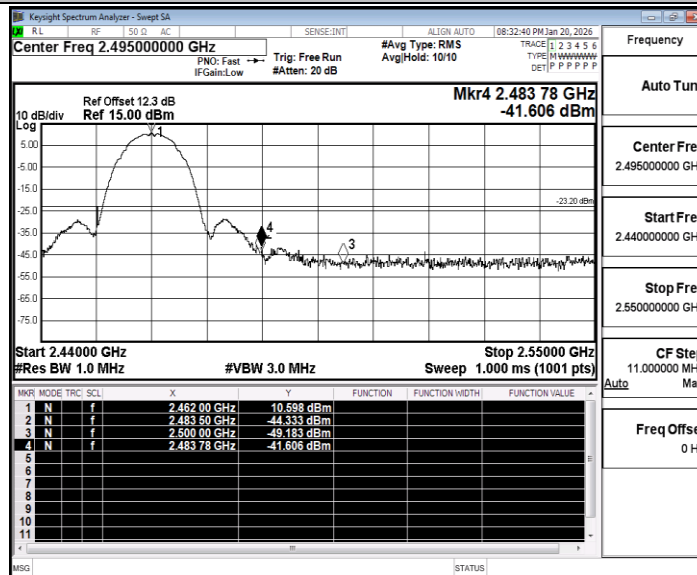
11B_Ant2_Low_2412_Peak



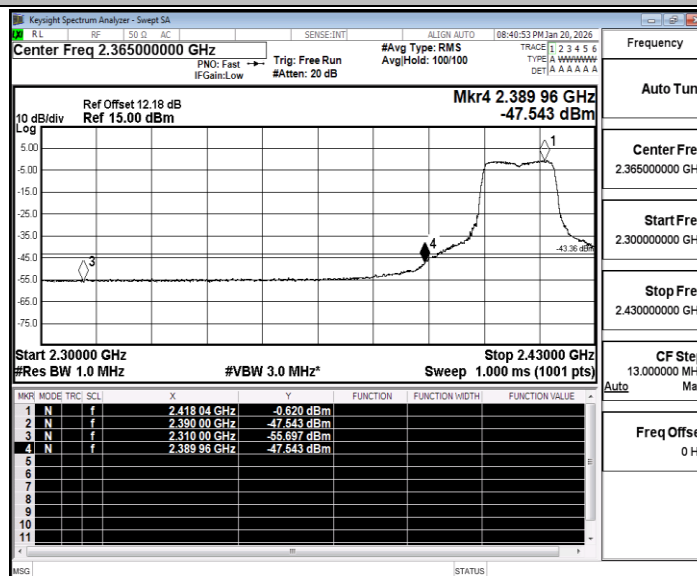
11B_Ant2_High_2462_AV



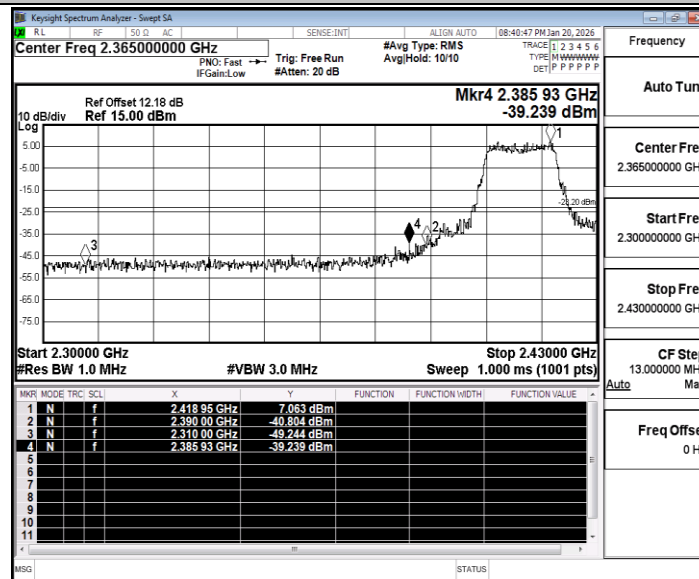
11B_Ant2_High_2462_Peak



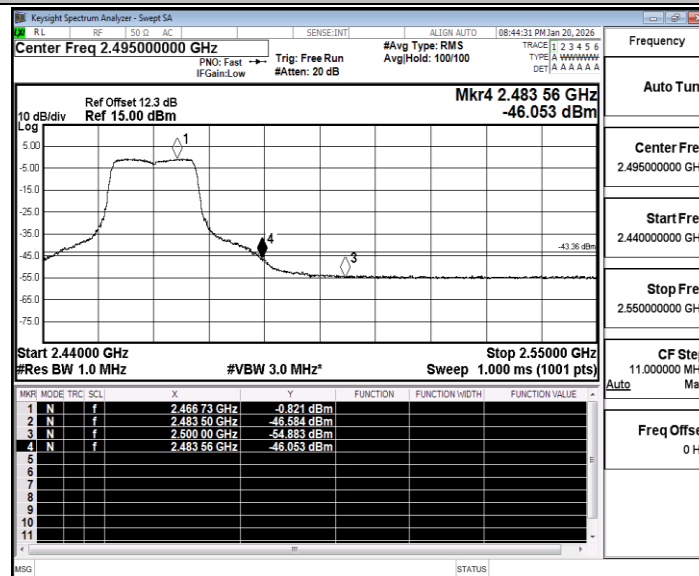
11G_Ant2_Low_2412_AV



11G_Ant2_Low_2412_Peak



11G_Ant2_High_2462_AV



11G_Ant2_High_2462_Peak