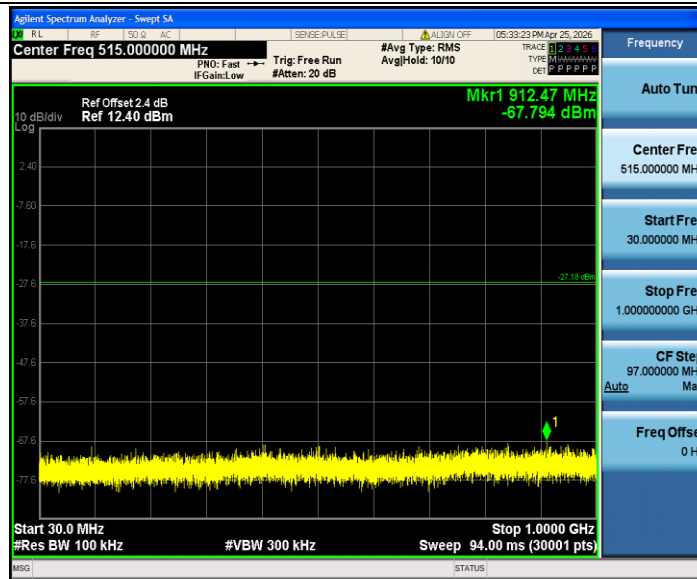
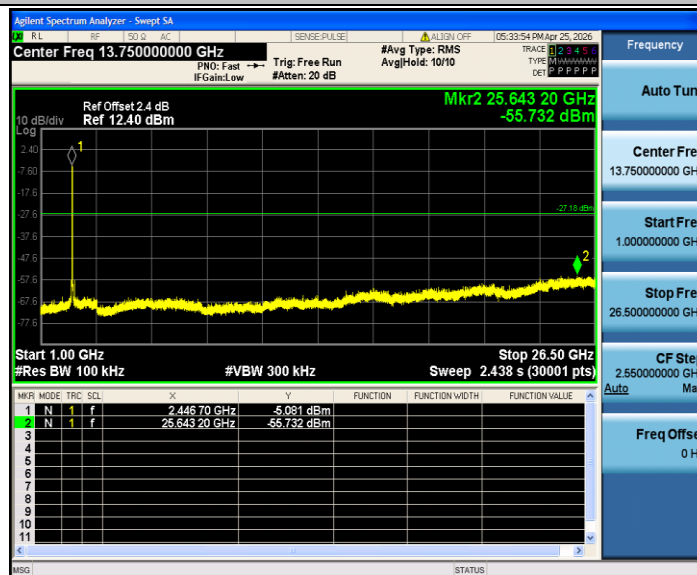




11AX40SISO_Ant1_2452_1000~26500



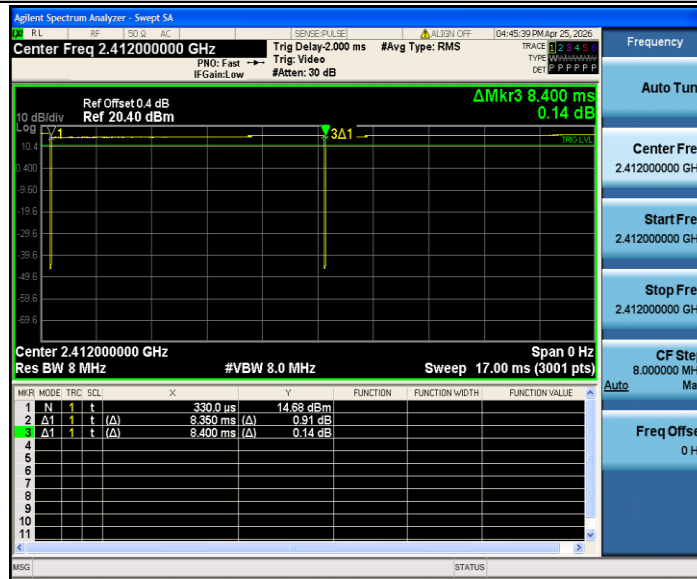
Appendix G: Duty Cycle

Test Result

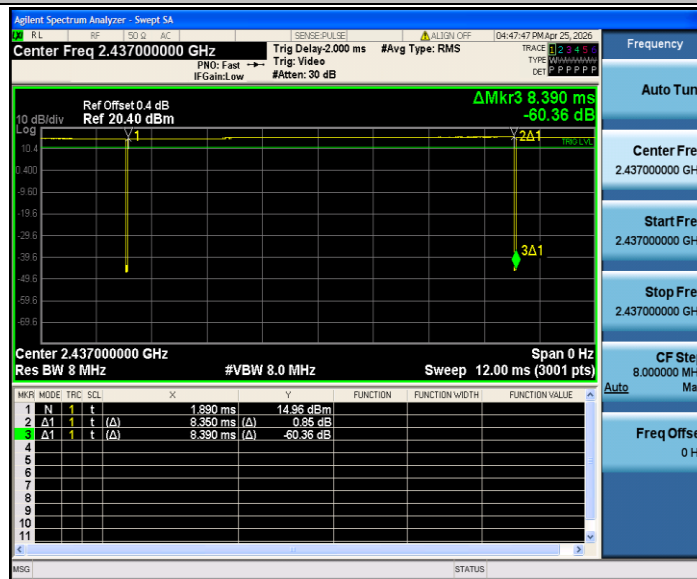
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	T Factor [dB]
11B	Ant1	2412	8.35	8.40	99.40	0.03	0.12
		2437	8.35	8.39	99.52	0.02	0.12
		2462	8.35	8.40	99.40	0.03	0.12
11G	Ant1	2412	0.15	0.20	75.00	1.25	6.67
		2437	0.15	0.19	78.95	1.03	6.67
		2462	0.15	0.19	78.95	1.03	6.67
11N20SISO	Ant1	2412	0.17	0.22	77.27	1.12	5.88
		2437	0.18	0.23	78.26	1.06	5.56
		2462	0.18	0.22	81.82	0.87	5.56
11N40SISO	Ant1	2422	0.18	0.22	81.82	0.87	5.56
		2437	0.18	0.23	78.26	1.06	5.56
		2452	0.18	0.22	81.82	0.87	5.56
11AX20SISO	Ant1	2412	0.26	0.31	83.87	0.76	3.85
		2437	0.25	0.30	83.33	0.79	4.00
		2462	0.25	0.30	83.33	0.79	4.00
11AX40SISO	Ant1	2422	0.17	0.22	77.27	1.12	5.88
		2437	0.17	0.22	77.27	1.12	5.88
		2452	0.18	0.22	81.82	0.87	5.56

Test Graphs

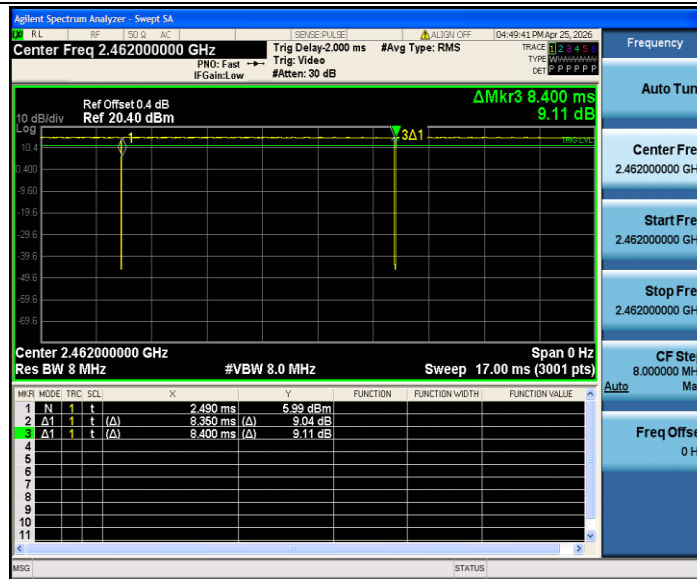
11B_Ant1_2412



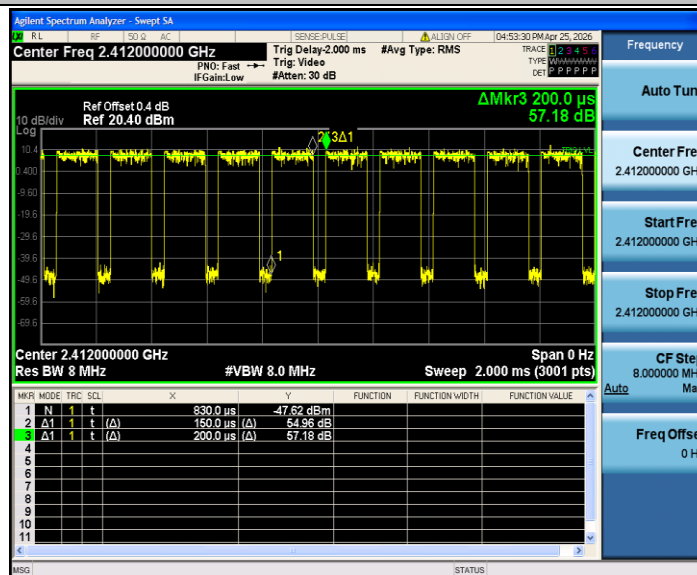
11B_Ant1_2437



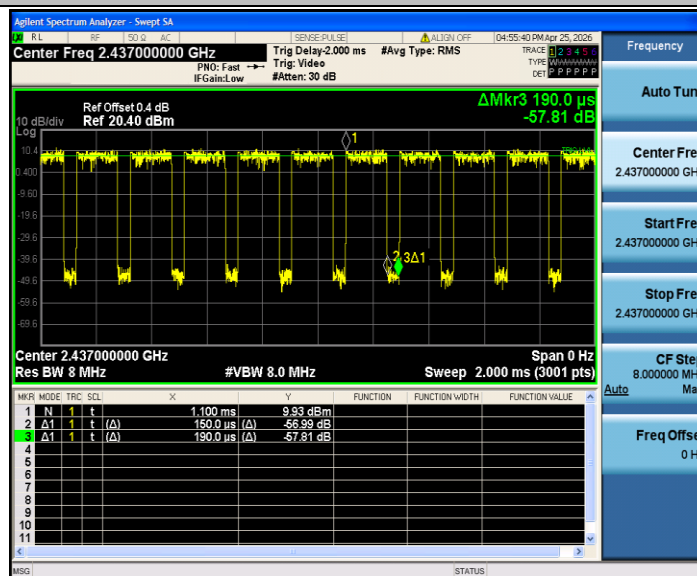
11B_Ant1_2462



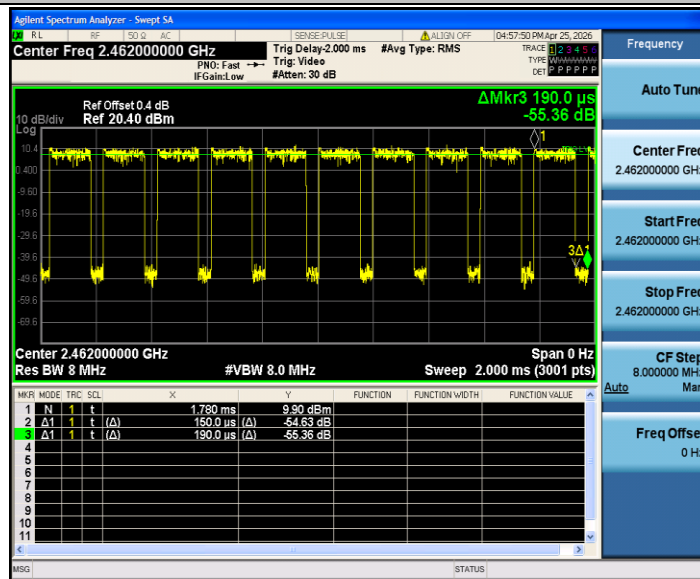
11G_Ant1_2412



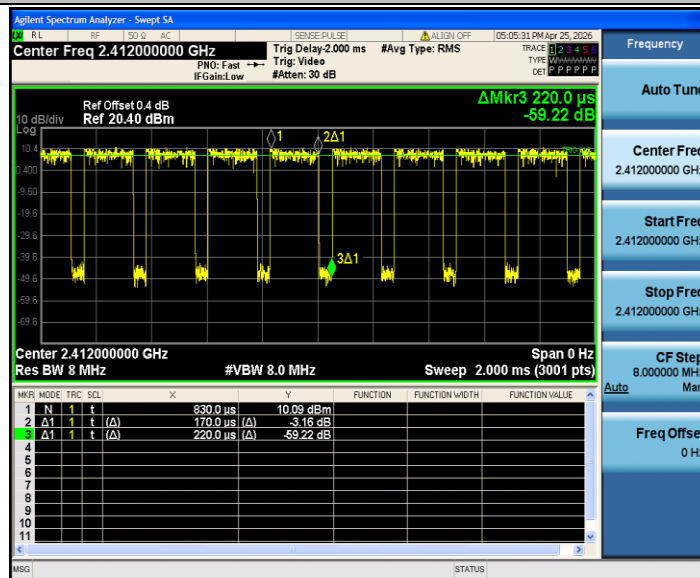
11G_Ant1_2437



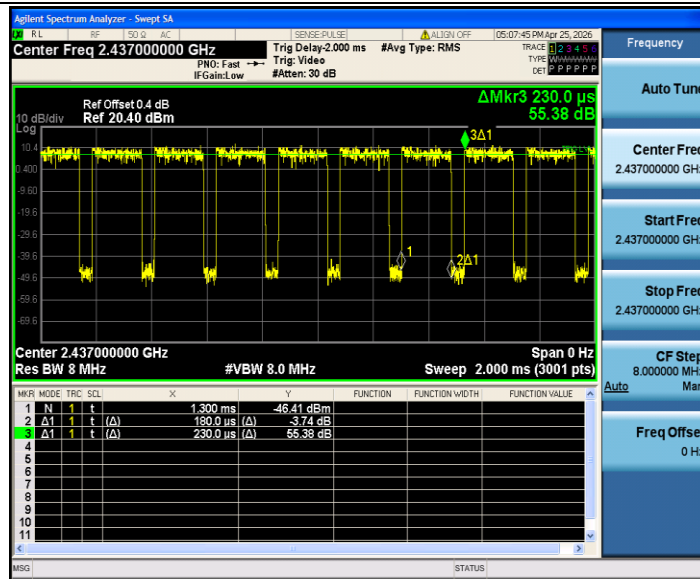
11G_Ant1_2462



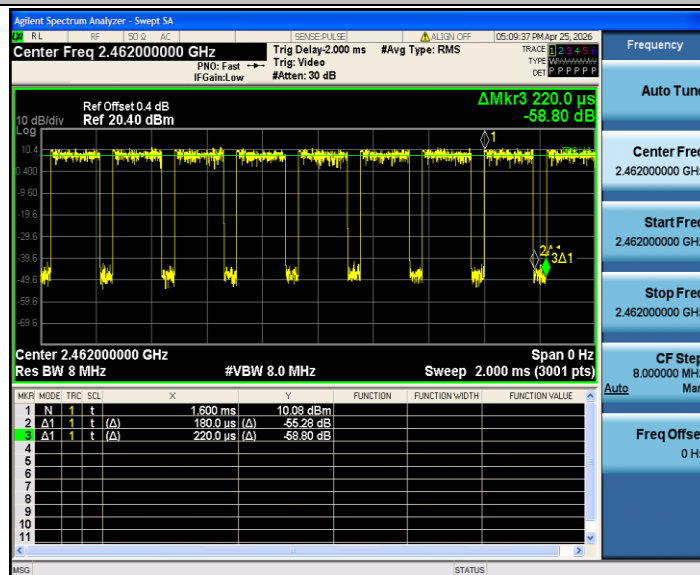
11N20SISO_Ant1_2412



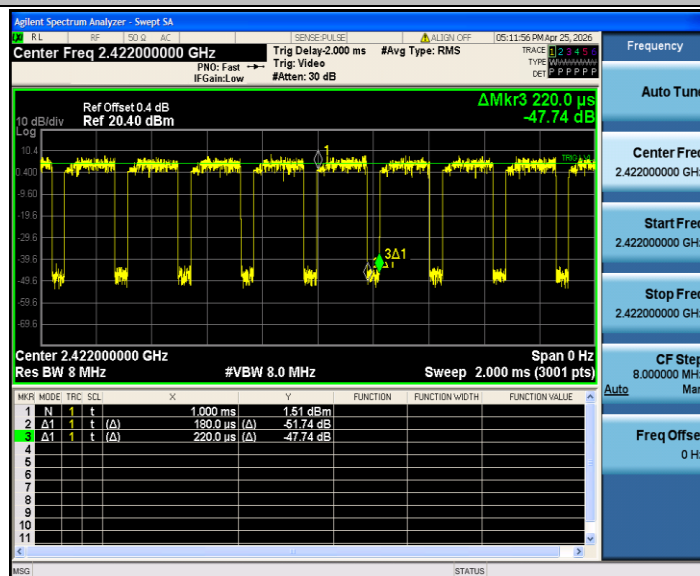
11N20SISO_Ant1_2437



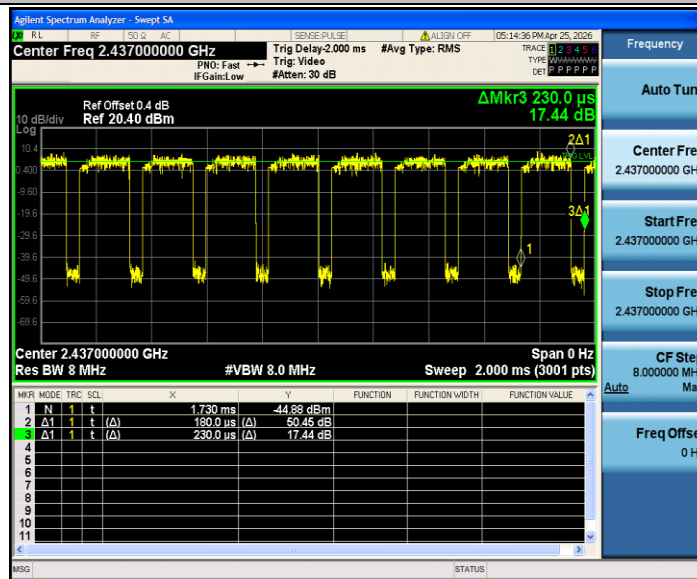
11N20SISO_Ant1_2462



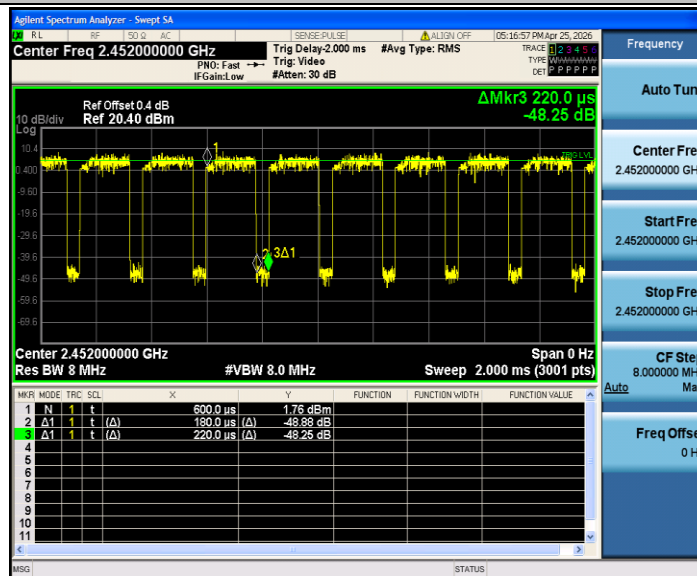
11N40SISO_Ant1_2422



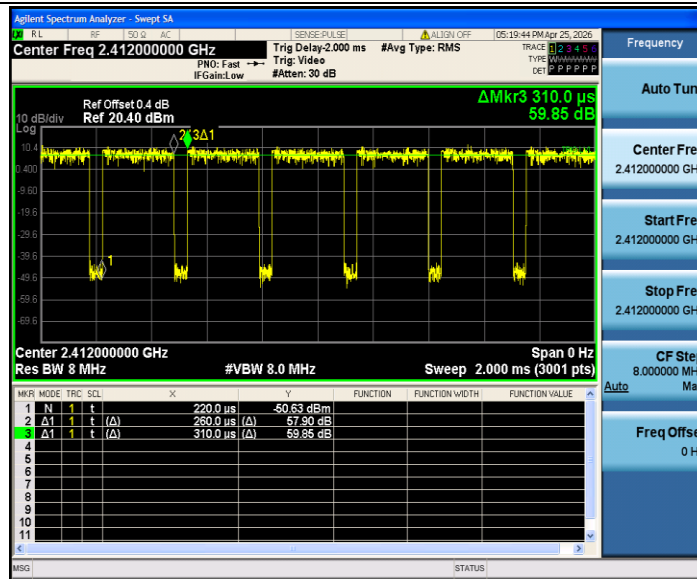
11N40SISO_Ant1_2437



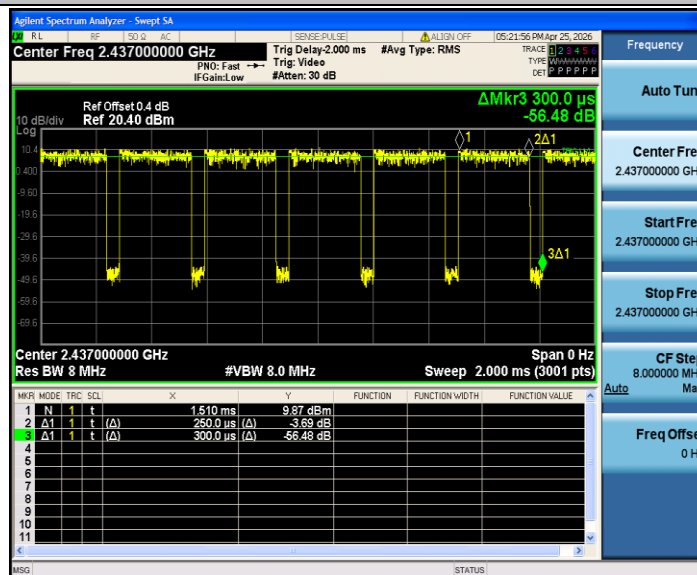
11N40SISO_Ant1_2452



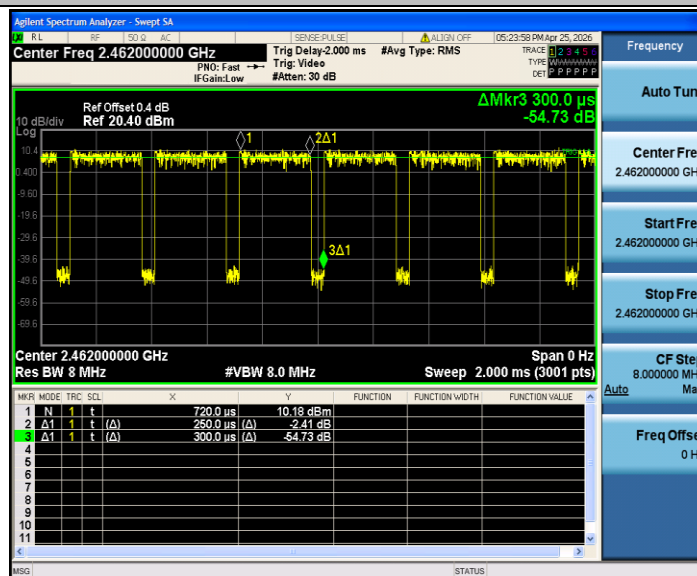
11AX20SISO_Ant1_2412

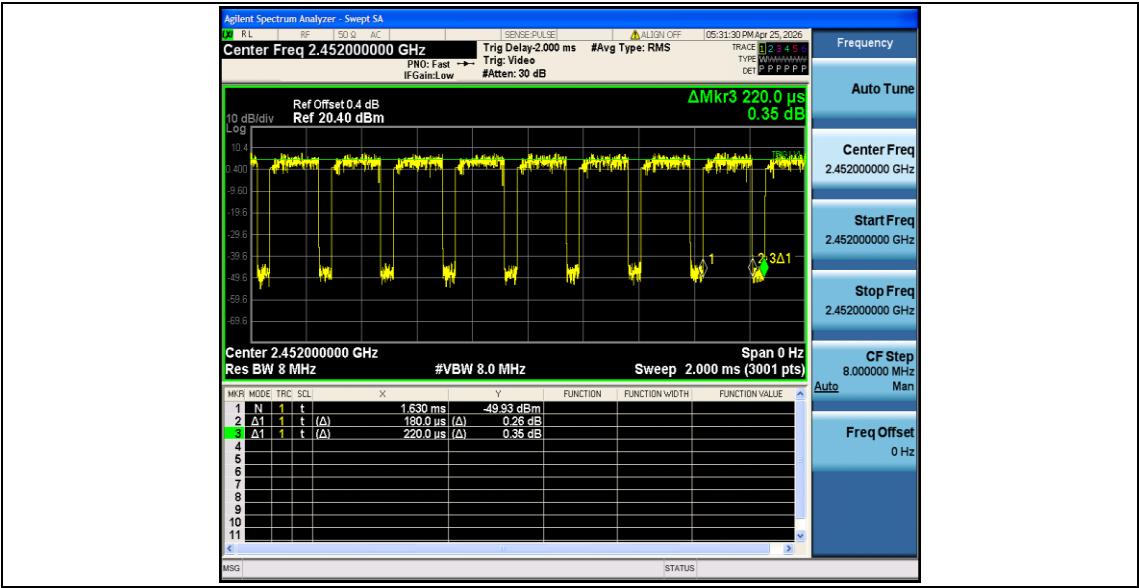


11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462





Appendix H: Emissions in Restricted Bands

Test Result

TestMod e	Antenn a	ChNam e	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-59.14	2.00	0.03	38.09	≤54	PASS
				AV	2386.060	-50.67	2.00	0.03	46.56	≤54	PASS
				AV	2390.000	-55.07	2.00	0.03	42.16	≤54	PASS
				Peak	2310.000	-50.41	2.00	0.00	46.79	≤74	PASS
				Peak	2385.930	-43.92	2.00	0.00	53.28	≤74	PASS
				Peak	2390.000	-48.06	2.00	0.00	49.14	≤74	PASS
		High	2462	AV	2483.500	-54.31	2.00	0.03	42.92	≤54	PASS
				AV	2487.960	-52.64	2.00	0.03	44.59	≤54	PASS
				AV	2500.000	-57.82	2.00	0.03	39.41	≤54	PASS
				Peak	2483.500	-46.86	2.00	0.00	50.34	≤74	PASS
				Peak	2487.520	-44.78	2.00	0.00	52.42	≤74	PASS
				Peak	2500.000	-48.75	2.00	0.00	48.45	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-59.58	2.00	1.25	38.87	≤54	PASS
				AV	2388.400	-58.52	2.00	1.25	39.93	≤54	PASS
				AV	2390.000	-59.01	2.00	1.25	39.44	≤54	PASS
				Peak	2310.000	-51.55	2.00	0.00	45.65	≤74	PASS
				Peak	2329.380	-49.09	2.00	0.00	48.11	≤74	PASS
				Peak	2390.000	-51.15	2.00	0.00	46.05	≤74	PASS
		High	2462	AV	2483.500	-59.43	2.00	1.03	38.80	≤54	PASS
				AV	2484.220	-58.49	2.00	1.03	39.74	≤54	PASS
				AV	2500.000	-59.32	2.00	1.03	38.91	≤54	PASS
				Peak	2483.500	-50.77	2.00	0.00	46.43	≤74	PASS
				Peak	2487.740	-48.2	2.00	0.00	49.00	≤74	PASS
				Peak	2500.000	-51.89	2.00	0.00	45.31	≤74	PASS
11N20SI SO	Ant1	Low	2412	AV	2310.000	-59.71	2.00	1.12	38.61	≤54	PASS
				AV	2384.370	-58.68	2.00	1.12	39.64	≤54	PASS
				AV	2390.000	-58.98	2.00	1.12	39.34	≤54	PASS
				Peak	2310.000	-49.18	2.00	0.00	48.02	≤74	PASS
				Peak	2361.360	-47.68	2.00	0.00	49.52	≤74	PASS
				Peak	2390.000	-51.26	2.00	0.00	45.94	≤74	PASS
		High	2462	AV	2483.500	-58.62	2.00	0.87	39.45	≤54	PASS
				AV	2484.660	-58.17	2.00	0.87	39.90	≤54	PASS
				AV	2500.000	-59.08	2.00	0.87	38.99	≤54	PASS
				Peak	2483.500	-51.59	2.00	0.00	45.61	≤74	PASS
				Peak	2484.220	-48.55	2.00	0.00	48.65	≤74	PASS
				Peak	2500.000	-52.29	2.00	0.00	44.91	≤74	PASS

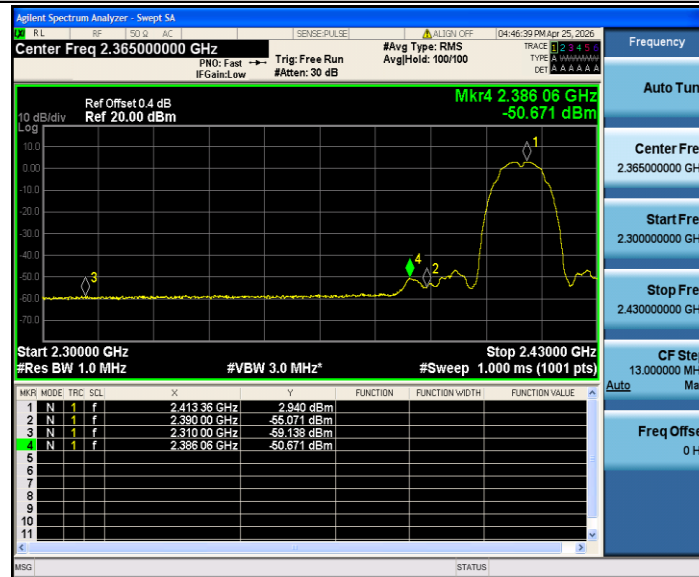
11N40SI SO	Ant1	Low	2422	AV	2310.000	-60.37	2.00	0.87	37.70	≤54	PASS
				AV	2389.700	-56.43	2.00	0.87	41.64	≤54	PASS
				AV	2390.000	-56.48	2.00	0.87	41.59	≤54	PASS
				Peak	2310.000	-52.46	2.00	0.00	44.74	≤74	PASS
				Peak	2379.950	-47.29	2.00	0.00	49.91	≤74	PASS
				Peak	2390.000	-48.08	2.00	0.00	49.12	≤74	PASS
		High	2452	AV	2483.500	-58.63	2.00	0.87	39.44	≤54	PASS
				AV	2486.125	-58.27	2.00	0.87	39.80	≤54	PASS
				AV	2500.000	-59.06	2.00	0.87	39.01	≤54	PASS
				Peak	2483.500	-50.85	2.00	0.00	46.35	≤74	PASS
				Peak	2485.375	-48.58	2.00	0.00	48.62	≤74	PASS
				Peak	2500.000	-52.12	2.00	0.00	45.08	≤74	PASS
11AX20S ISO	Ant1	Low	2412	AV	2310.000	-59.75	2.00	0.76	38.21	≤54	PASS
				AV	2381.380	-58.37	2.00	0.76	39.59	≤54	PASS
				AV	2390.000	-58.93	2.00	0.76	39.03	≤54	PASS
				Peak	2310.000	-51.38	2.00	0.00	45.82	≤74	PASS
				Peak	2387.490	-48.58	2.00	0.00	48.62	≤74	PASS
				Peak	2390.000	-51.24	2.00	0.00	45.96	≤74	PASS
		High	2462	AV	2483.500	-59.57	2.00	0.79	38.42	≤54	PASS
				AV	2485.210	-58.38	2.00	0.79	39.61	≤54	PASS
				AV	2500.000	-58.95	2.00	0.79	39.04	≤54	PASS
				Peak	2483.500	-50.57	2.00	0.00	46.63	≤74	PASS
				Peak	2490.160	-47.51	2.00	0.00	49.69	≤74	PASS
				Peak	2500.000	-51.24	2.00	0.00	45.96	≤74	PASS
11AX40S ISO	Ant1	Low	2422	AV	2310.000	-60	2.00	1.12	38.32	≤54	PASS
				AV	2389.850	-56.94	2.00	1.12	41.38	≤54	PASS
				AV	2390.000	-57.25	2.00	1.12	41.07	≤54	PASS
				Peak	2310.000	-51.92	2.00	0.00	45.28	≤74	PASS
				Peak	2385.050	-47.81	2.00	0.00	49.39	≤74	PASS
				Peak	2390.000	-49.79	2.00	0.00	47.41	≤74	PASS
		High	2452	AV	2483.500	-58.19	2.00	0.87	39.88	≤54	PASS
				AV	2484.500	-57.9	2.00	0.87	40.17	≤54	PASS
				AV	2500.000	-58.65	2.00	0.87	39.42	≤54	PASS
				Peak	2483.500	-51.36	2.00	0.00	45.84	≤74	PASS
				Peak	2487.375	-48.37	2.00	0.00	48.83	≤74	PASS
				Peak	2500.000	-49.79	2.00	0.00	47.41	≤74	PASS

Note:

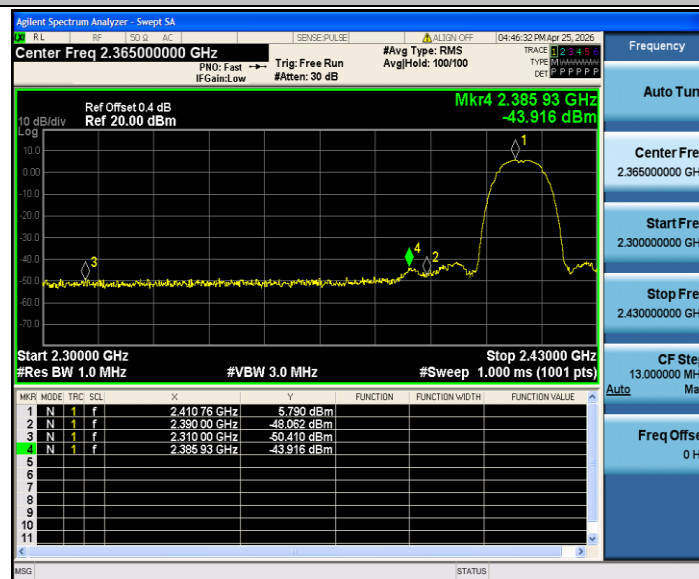
1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

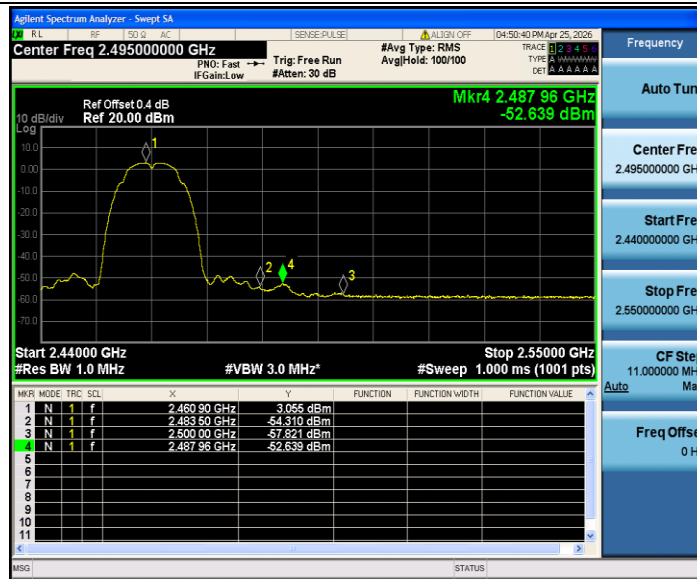
11B_Ant1_Low_2412_AV



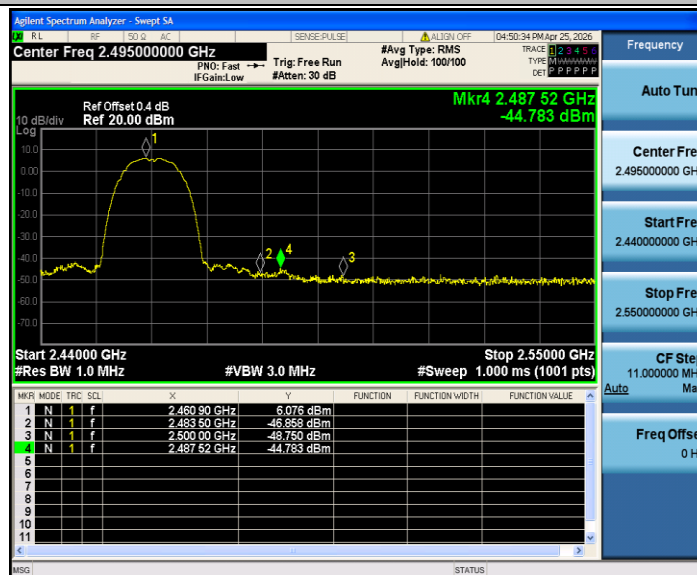
11B_Ant1_Low_2412_Peak



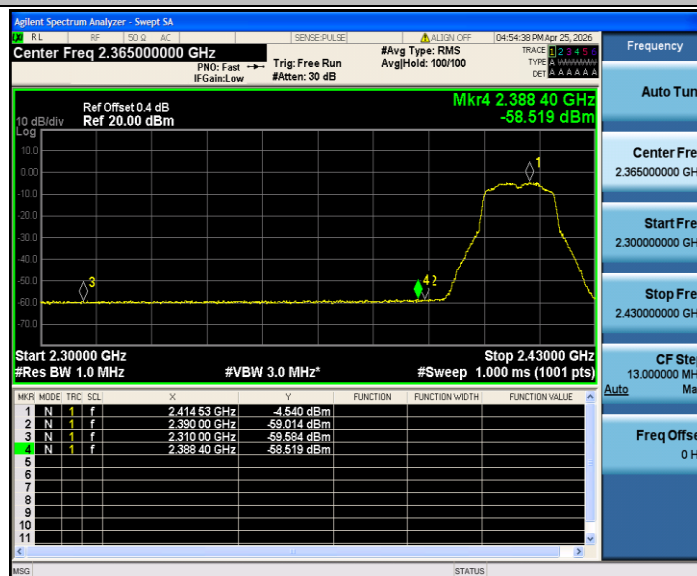
11B_Ant1_High_2462_AV



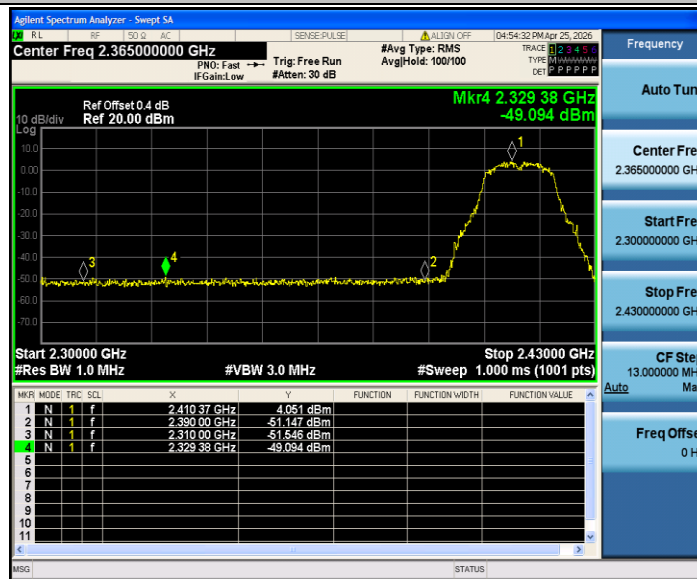
11B_Ant1_High_2462_Peak



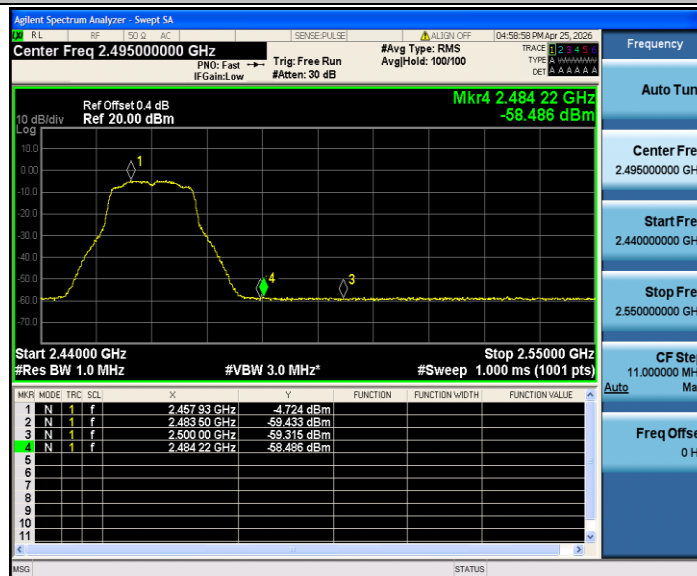
11G_Ant1_Low_2412_AV



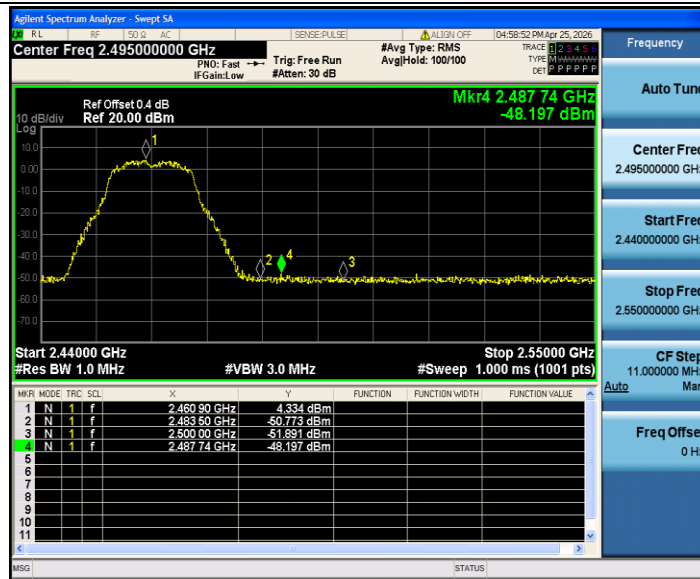
11G_Ant1_Low_2412_Peak



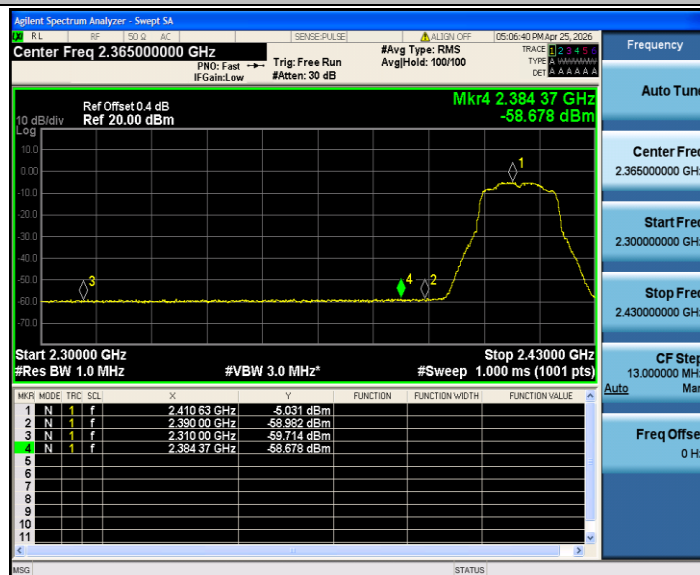
11G_Ant1_High_2462_AV



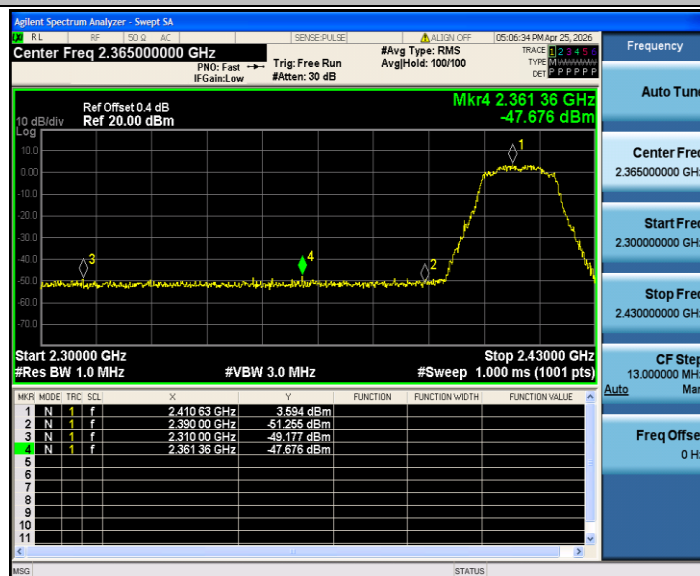
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



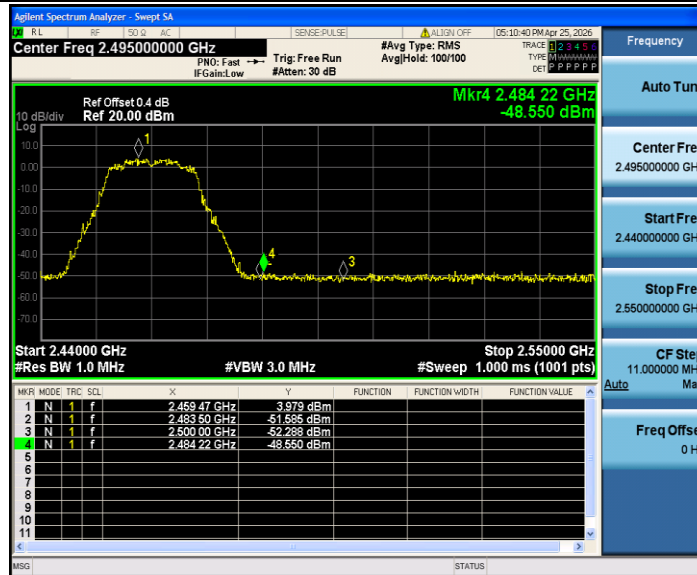
11N20SISO_Ant1_Low_2412_Peak



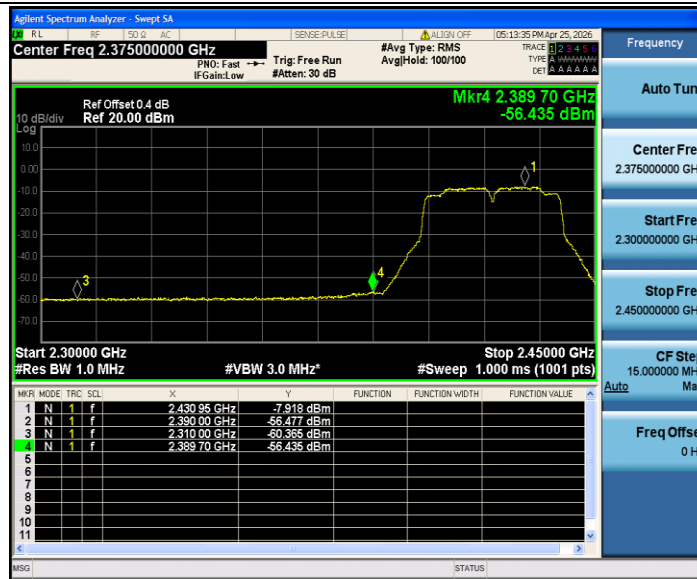
11N20SISO_Ant1_High_2462_AV



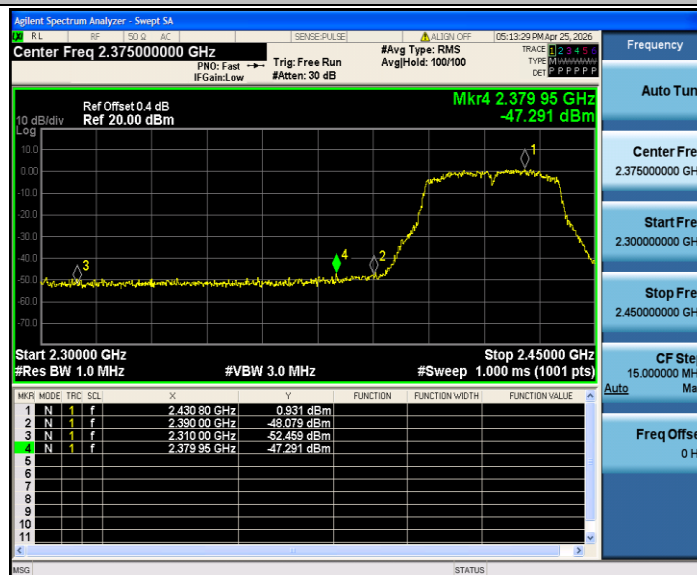
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



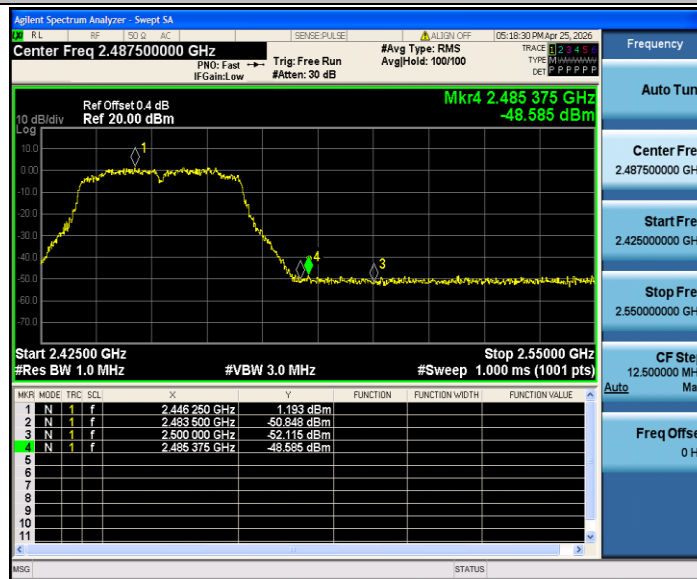
11N40SISO_Ant1_Low_2422_Peak



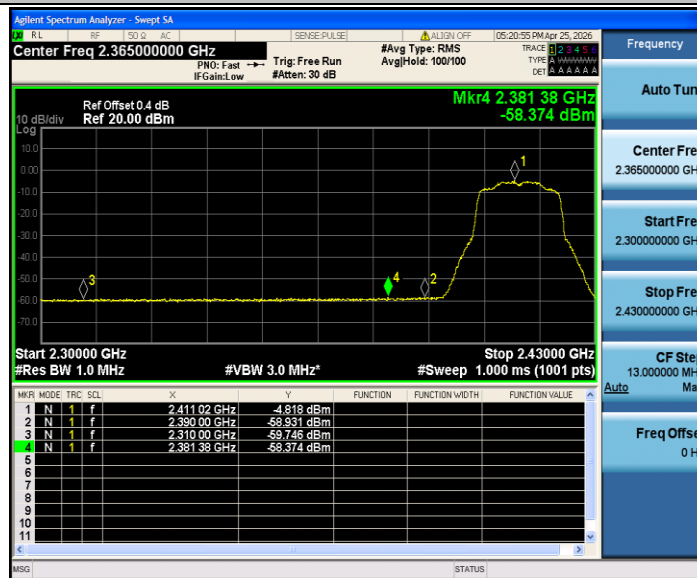
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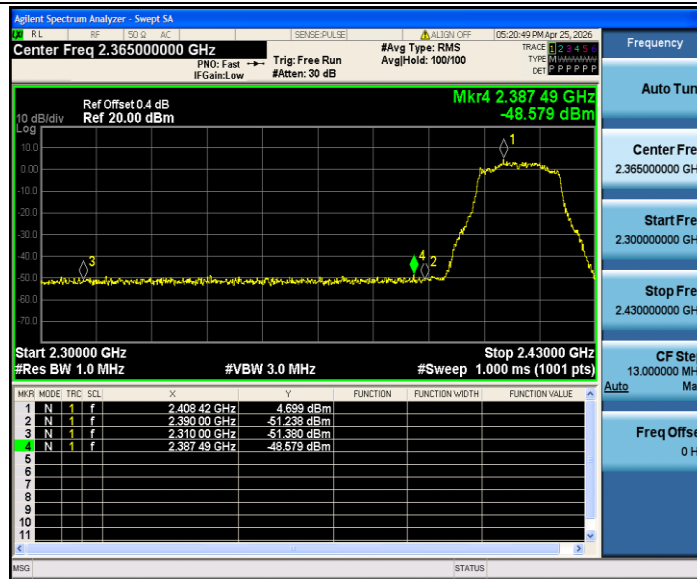
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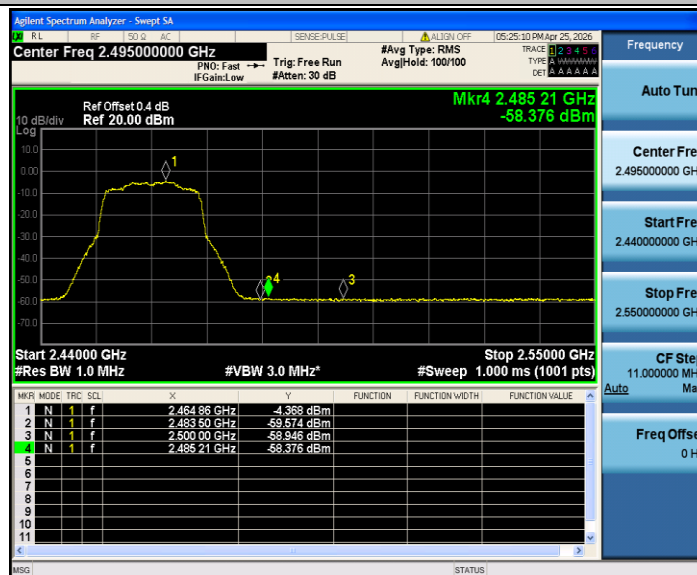
11AX20SISO_Ant1_Low_2412_AV



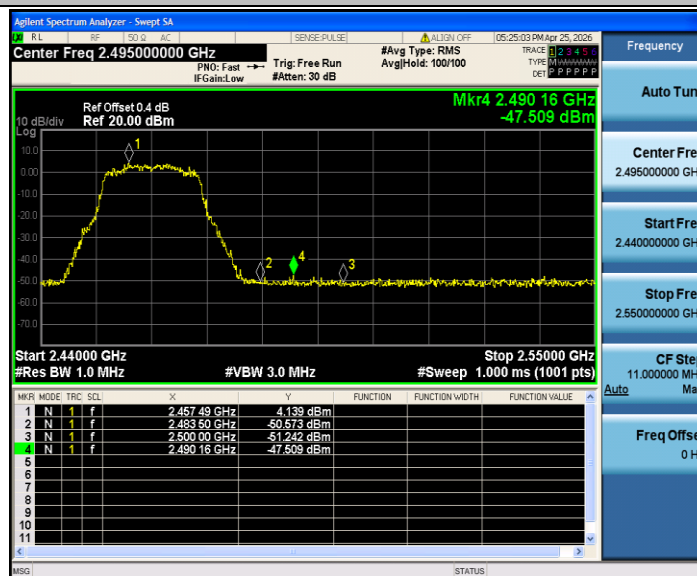
11AX20SISO_Ant1_Low_2412_Peak



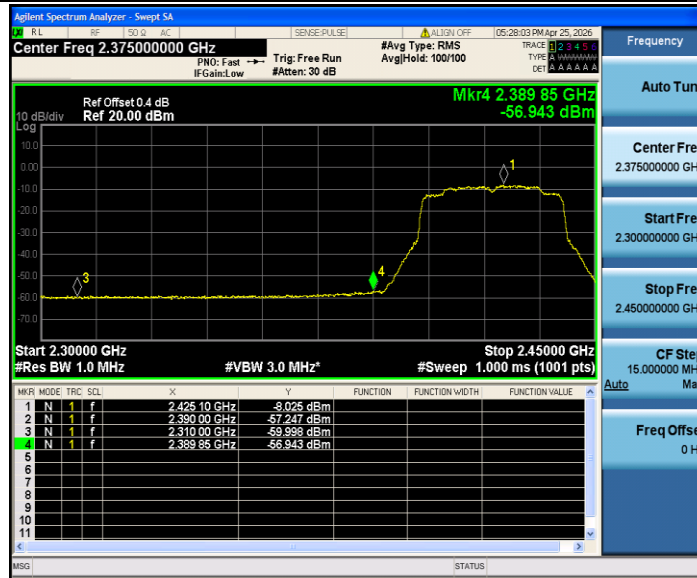
11AX20SISO_Ant1_High_2462_AV



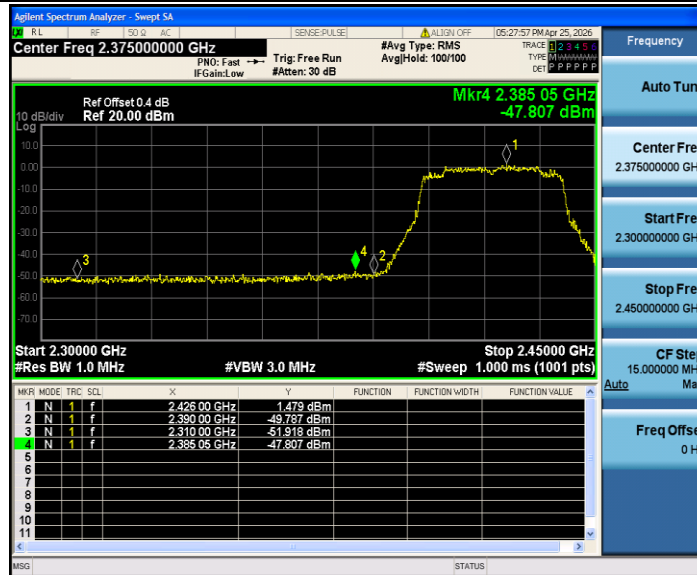
11AX20SISO_Ant1_High_2462_Peak



11AX40SISO_Ant1_Low_2422_AV



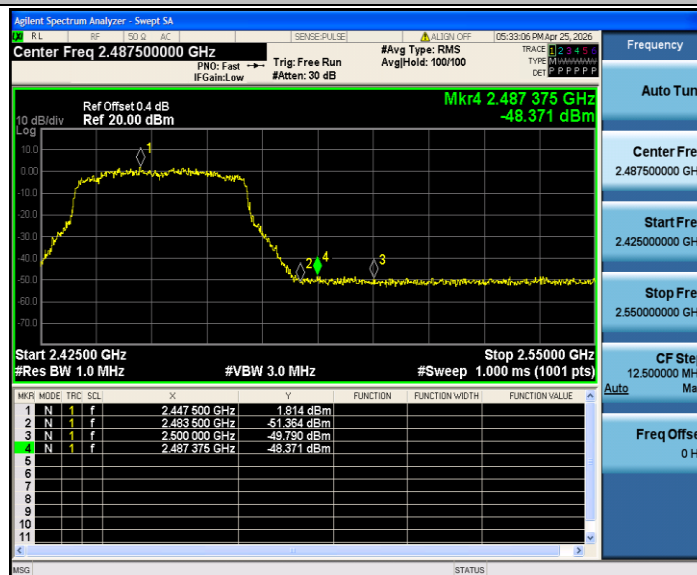
11AX40SISO_Ant1_Low_2422_Peak



11AX40SISO_Ant1_High_2452_AV



11AX40SISO_Ant1_High_2452_Peak



FCC Appendix RF Test Data for Antenna 2

Appendix A: DTS Bandwidth

Test Result

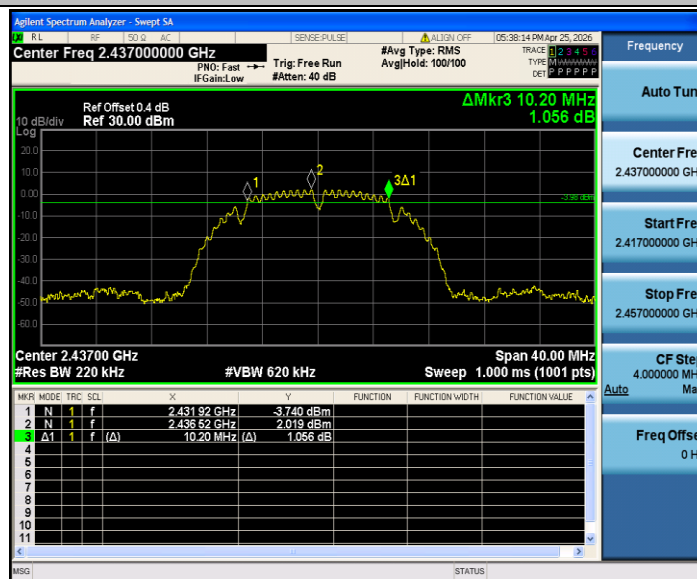
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant2	2412	16.000	2404.000	2420.000	0.5	PASS
		2437	15.760	2429.080	2444.840	0.5	PASS
		2462	15.640	2454.320	2469.960	0.5	PASS
11N20SISO	Ant2	2412	16.600	2403.880	2420.480	0.5	PASS
		2437	17.000	2428.440	2445.440	0.5	PASS
		2462	17.200	2453.400	2470.600	0.5	PASS
11N40SISO	Ant2	2422	35.920	2404.240	2440.160	0.5	PASS
		2437	35.760	2419.320	2455.080	0.5	PASS
		2452	35.360	2434.640	2470.000	0.5	PASS
11AX20SISO	Ant2	2412	17.640	2403.280	2420.920	0.5	PASS
		2437	18.240	2427.800	2446.040	0.5	PASS
		2462	18.400	2452.840	2471.240	0.5	PASS
11AX40SISO	Ant2	2422	36.320	2404.480	2440.800	0.5	PASS
		2437	36.800	2419.080	2455.880	0.5	PASS
		2452	37.040	2433.760	2470.800	0.5	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



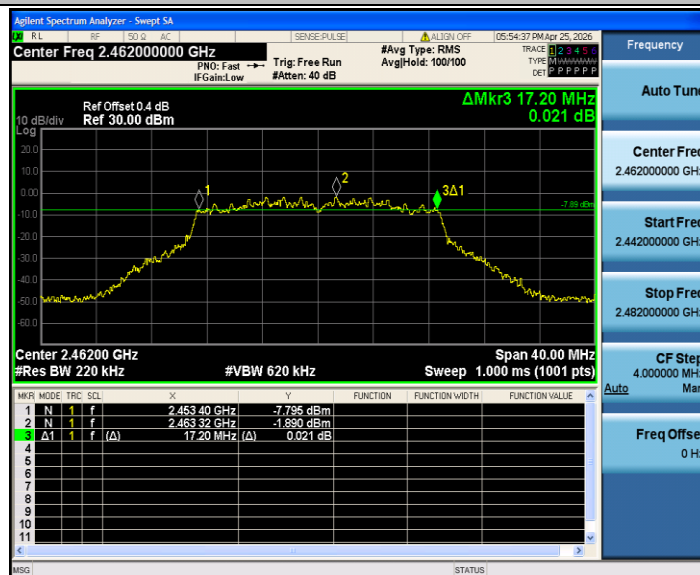
11N20SISO_Ant2_2412



11N20SISO_Ant2_2437



11N20SISO_Ant2_2462



11N40SISO_Ant2_2422

