

Appendix A

RF Test Data for 2.4GWIFI(Conducted Measurement)

Product Name: Network Transport

Test Model: 9000NT

Environmental Conditions

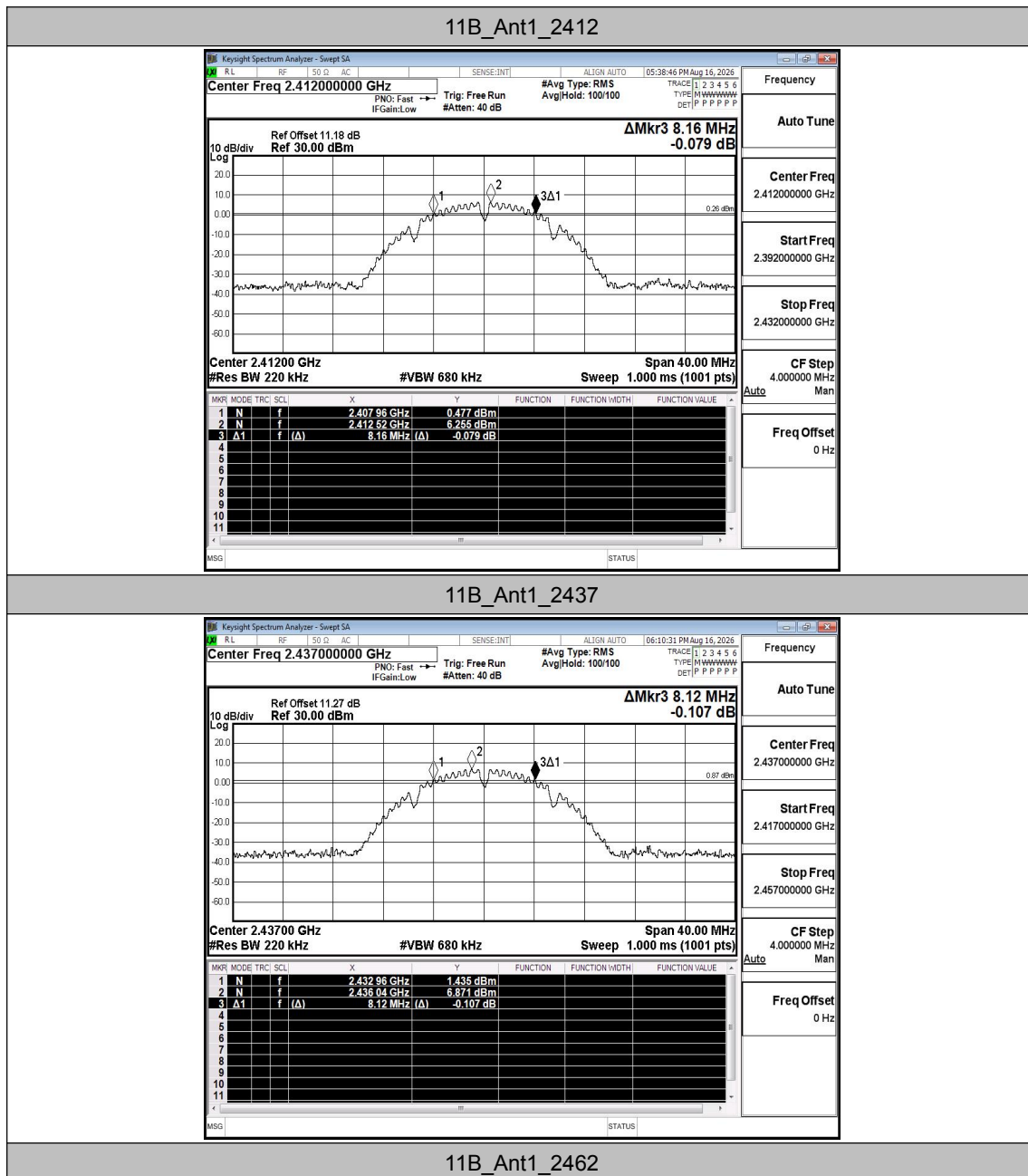
Temperature:	24.6° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

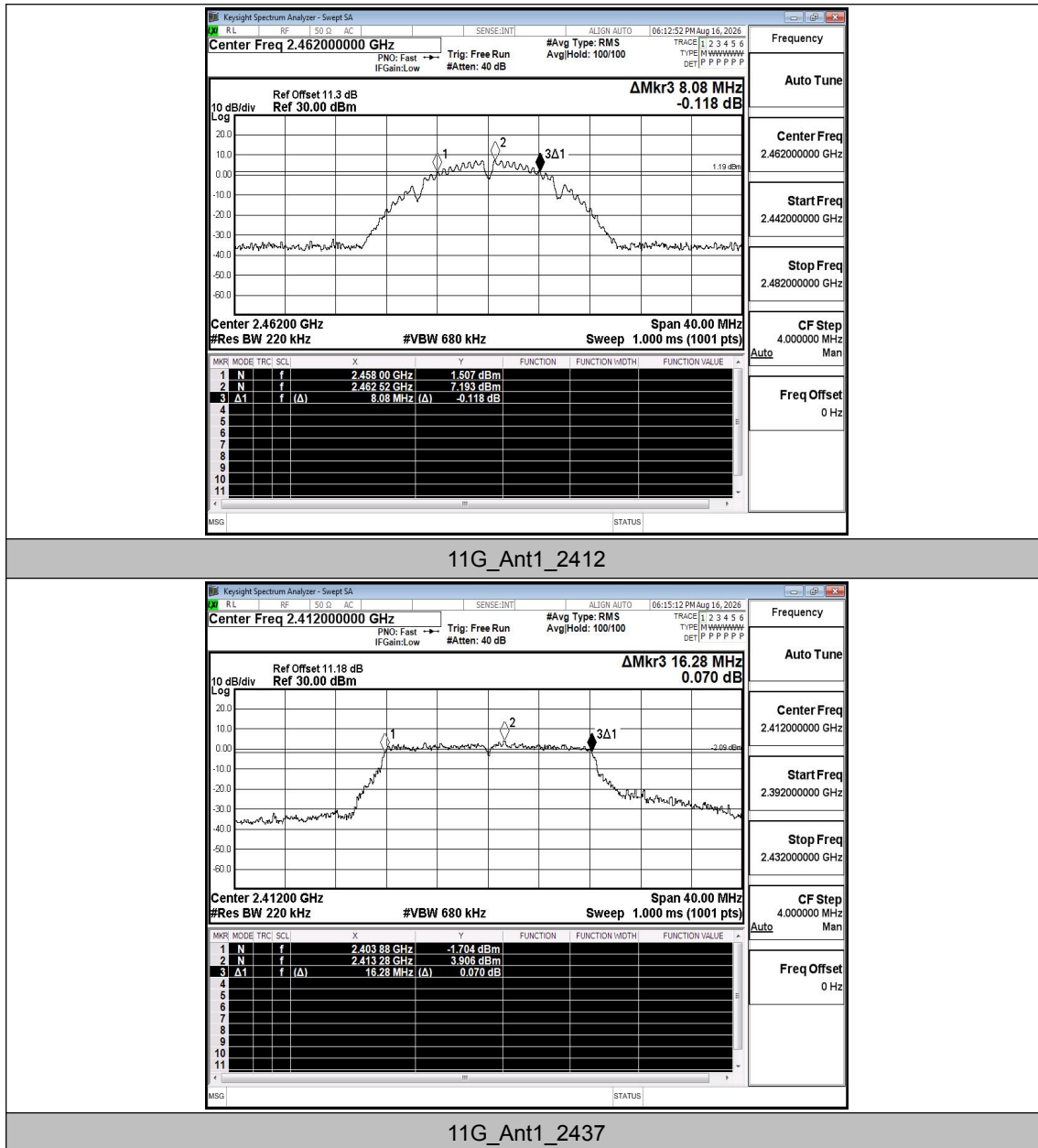
A.1 DTS Bandwidth

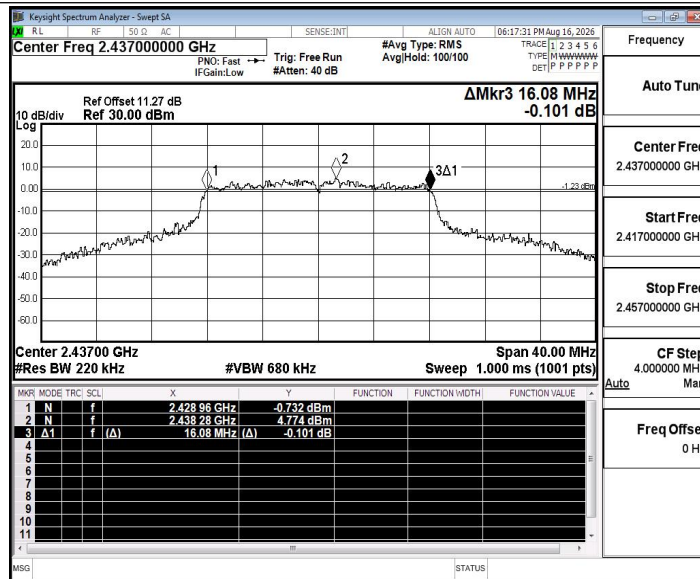
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.160	2407.960	2416.120	0.5	PASS
		2437	8.120	2432.960	2441.080	0.5	PASS
		2462	8.080	2458.000	2466.080	0.5	PASS
11G	Ant1	2412	16.280	2403.880	2420.160	0.5	PASS
		2437	16.080	2428.960	2445.040	0.5	PASS
		2462	16.120	2453.920	2470.040	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.240	2420.800	0.5	PASS
		2437	17.480	2428.280	2445.760	0.5	PASS
		2462	17.280	2453.440	2470.720	0.5	PASS
11N40SISO	Ant1	2422	35.840	2404.080	2439.920	0.5	PASS
		2437	36.160	2419.000	2455.160	0.5	PASS
		2452	35.760	2434.240	2470.000	0.5	PASS

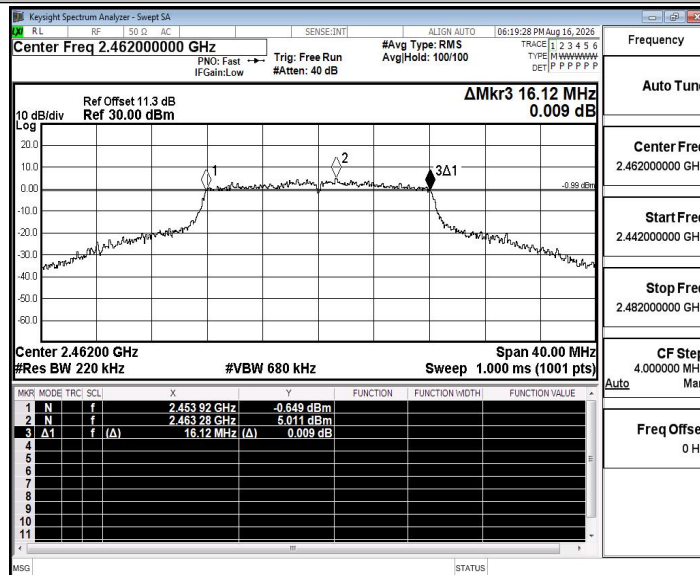
Test Graphs



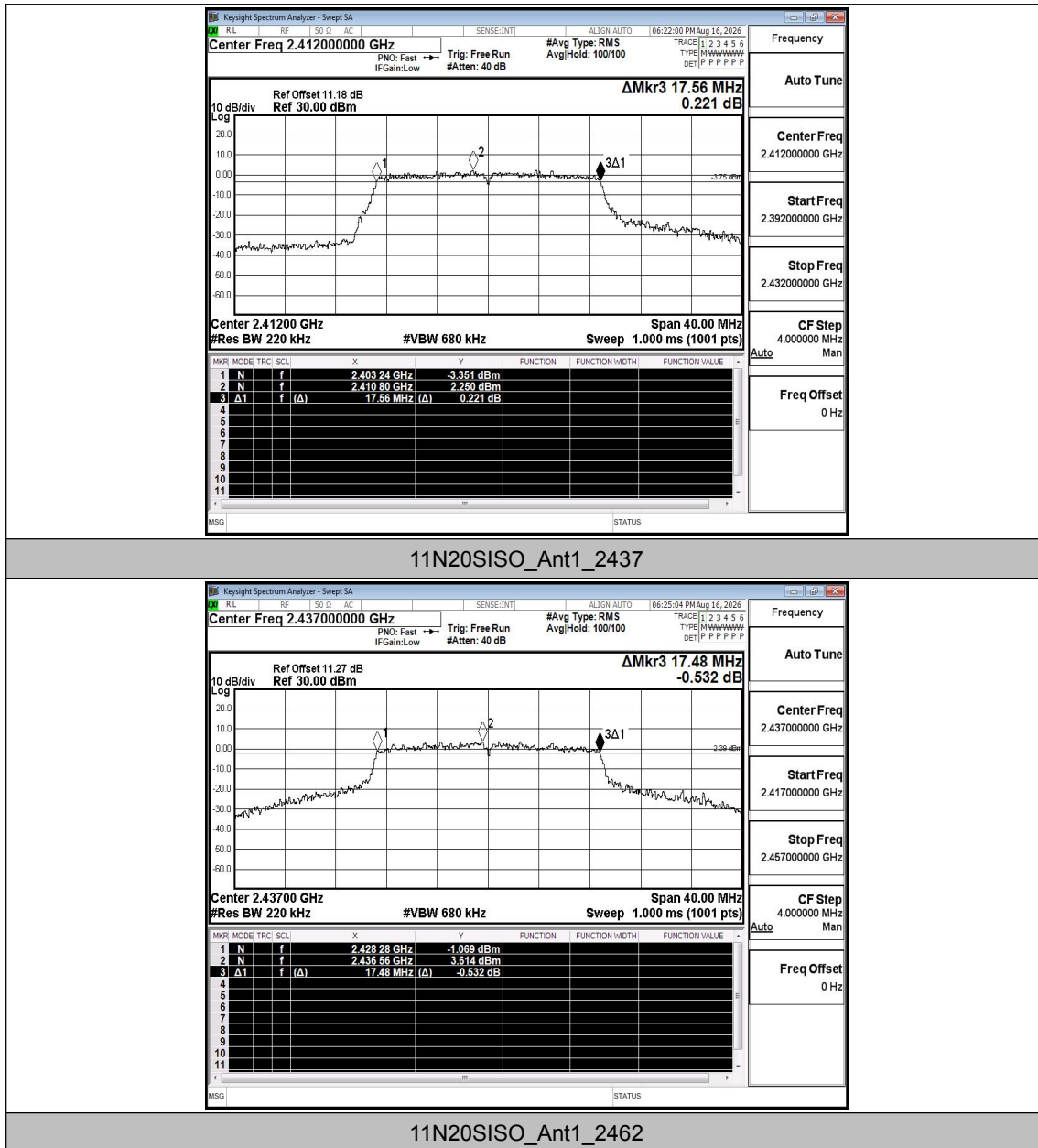


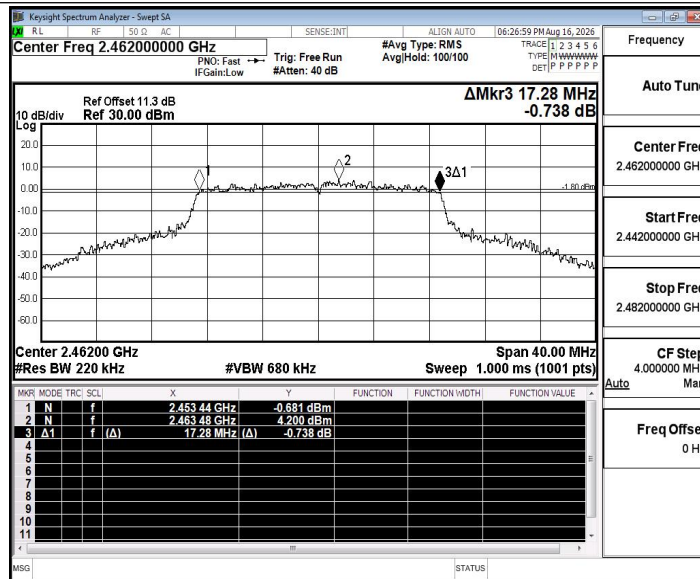


11G_Ant1_2462

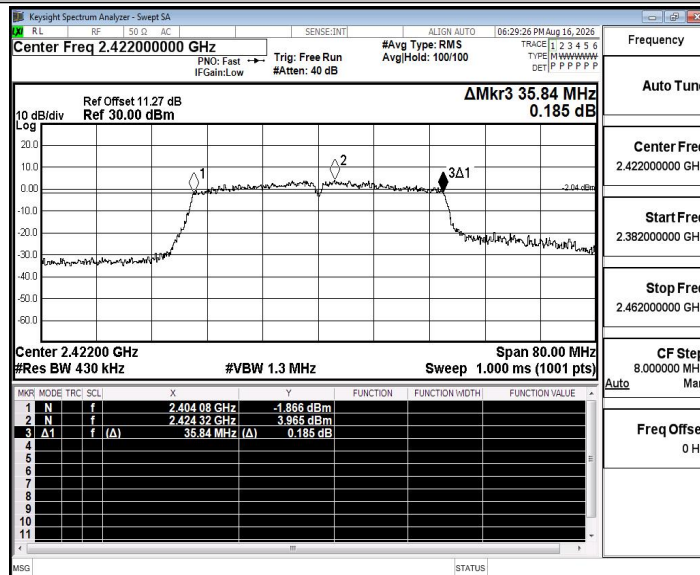


11N20SISO_Ant1_2412

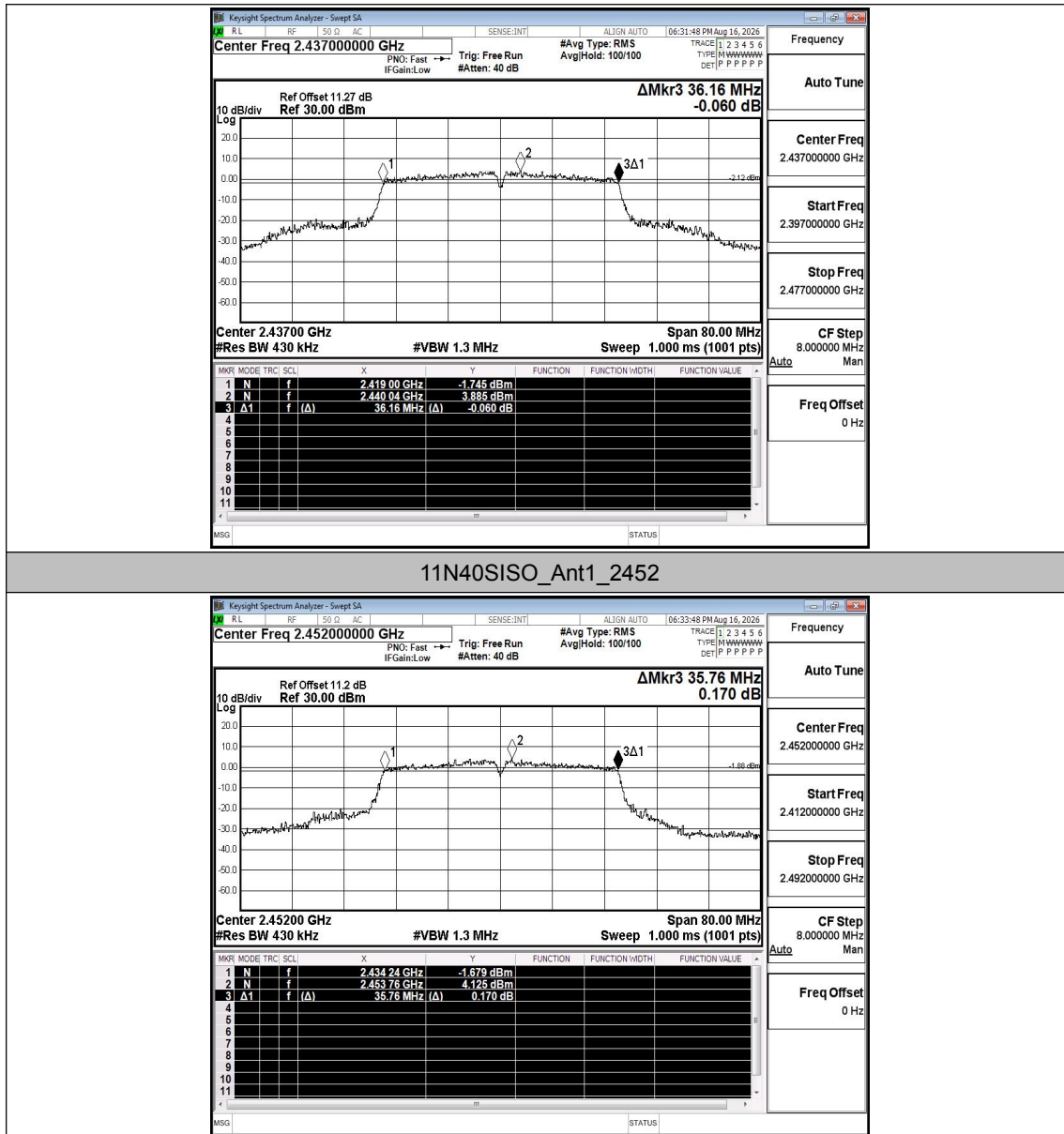




11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



A.2 Maximum Average Conducted Output Power

Test Result Average

TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Gain [dBi]	Verdict
11B	Ant1	2412	13.59	0.11	13.70	≤30.00	3.60	PASS
		2437	13.85	0.03	13.88	≤30.00	3.60	PASS
		2462	13.83	0.03	13.86	≤30.00	3.60	PASS
11G	Ant1	2412	13.19	0.15	13.34	≤30.00	3.60	PASS
		2437	13.85	0.18	14.03	≤30.00	3.60	PASS
		2462	13.68	0.18	13.86	≤30.00	3.60	PASS
11N20SISO	Ant1	2412	13.33	0.19	13.52	≤30.00	3.60	PASS
		2437	13.30	0.16	13.46	≤30.00	3.60	PASS
		2462	13.01	0.16	13.17	≤30.00	3.60	PASS
11N40SISO	Ant1	2422	13.50	0.32	13.82	≤30.00	3.60	PASS
		2437	13.54	0.38	13.92	≤30.00	3.60	PASS
		2452	13.36	0.32	13.68	≤30.00	3.60	PASS

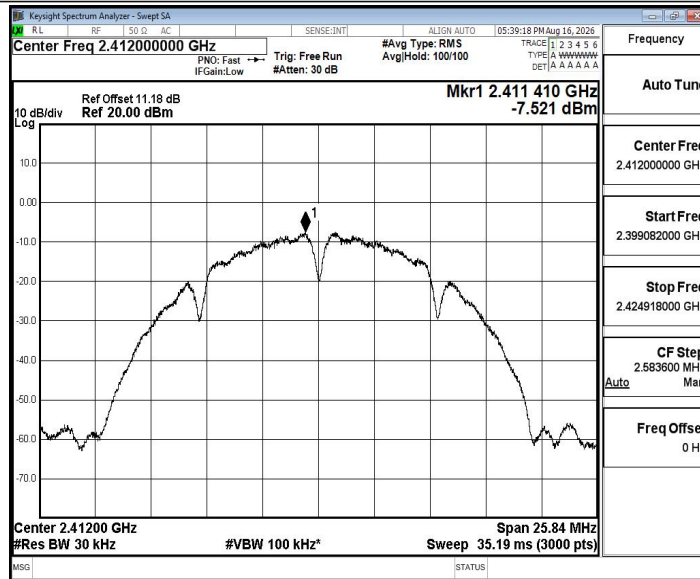
A.3 Maximum power spectral density

Test Result

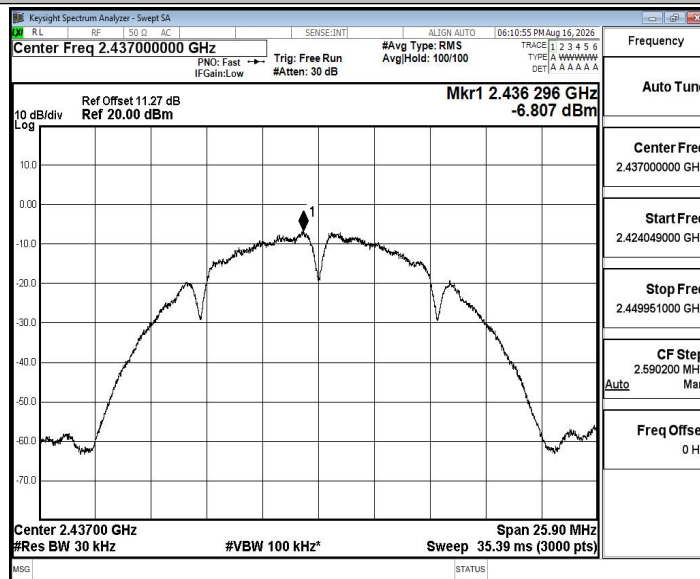
TestMode	Antenna	Frequency [MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.52	0.11	-7.41	-17.41	≤8.00	PASS
		2437	-6.81	0.03	-6.78	-16.78	≤8.00	PASS
		2462	-6.78	0.03	-6.75	-16.75	≤8.00	PASS
11G	Ant1	2412	-10.95	0.15	-10.80	-20.80	≤8.00	PASS
		2437	-9.53	0.18	-9.35	-19.35	≤8.00	PASS
		2462	-9.7	0.18	-9.52	-19.52	≤8.00	PASS
11N20SISO	Ant1	2412	-10.93	0.19	-10.74	-20.74	≤8.00	PASS
		2437	-10.82	0.16	-10.66	-20.66	≤8.00	PASS
		2462	-10.38	0.16	-10.22	-20.22	≤8.00	PASS
11N40SISO	Ant1	2422	-13.3	0.32	-12.98	-22.98	≤8.00	PASS
		2437	-13.15	0.38	-12.77	-22.77	≤8.00	PASS
		2452	-13.2	0.32	-12.88	-22.88	≤8.00	PASS

Test Graphs

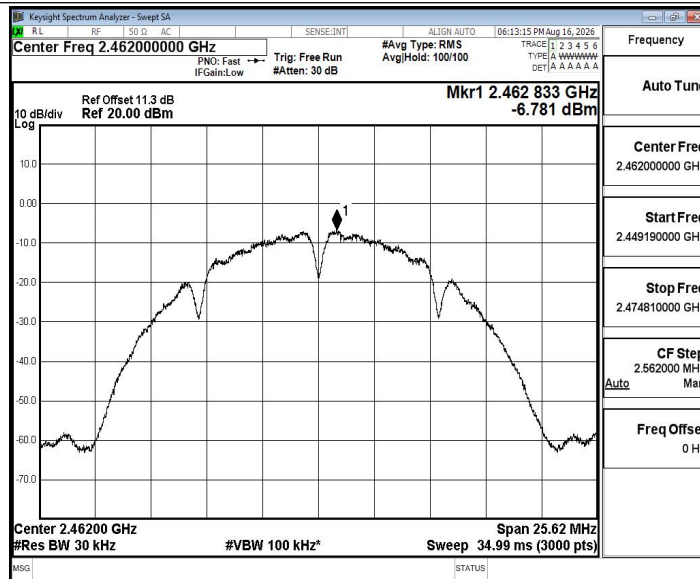
11B_Ant1_2412



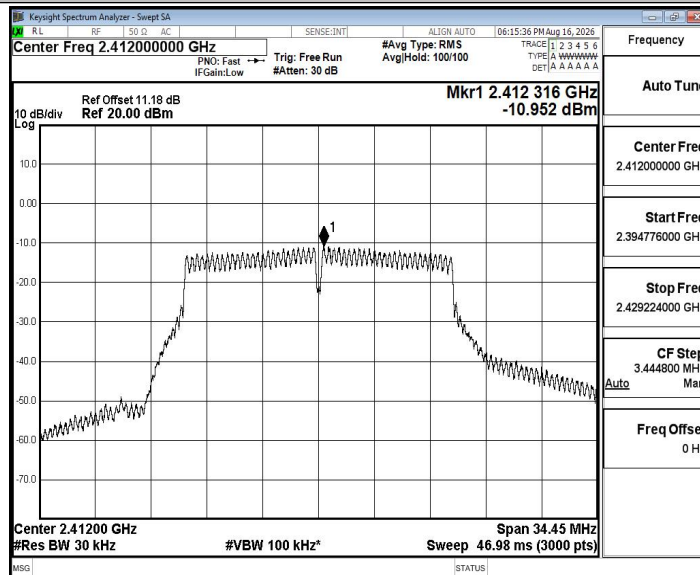
11B_Ant1_2437



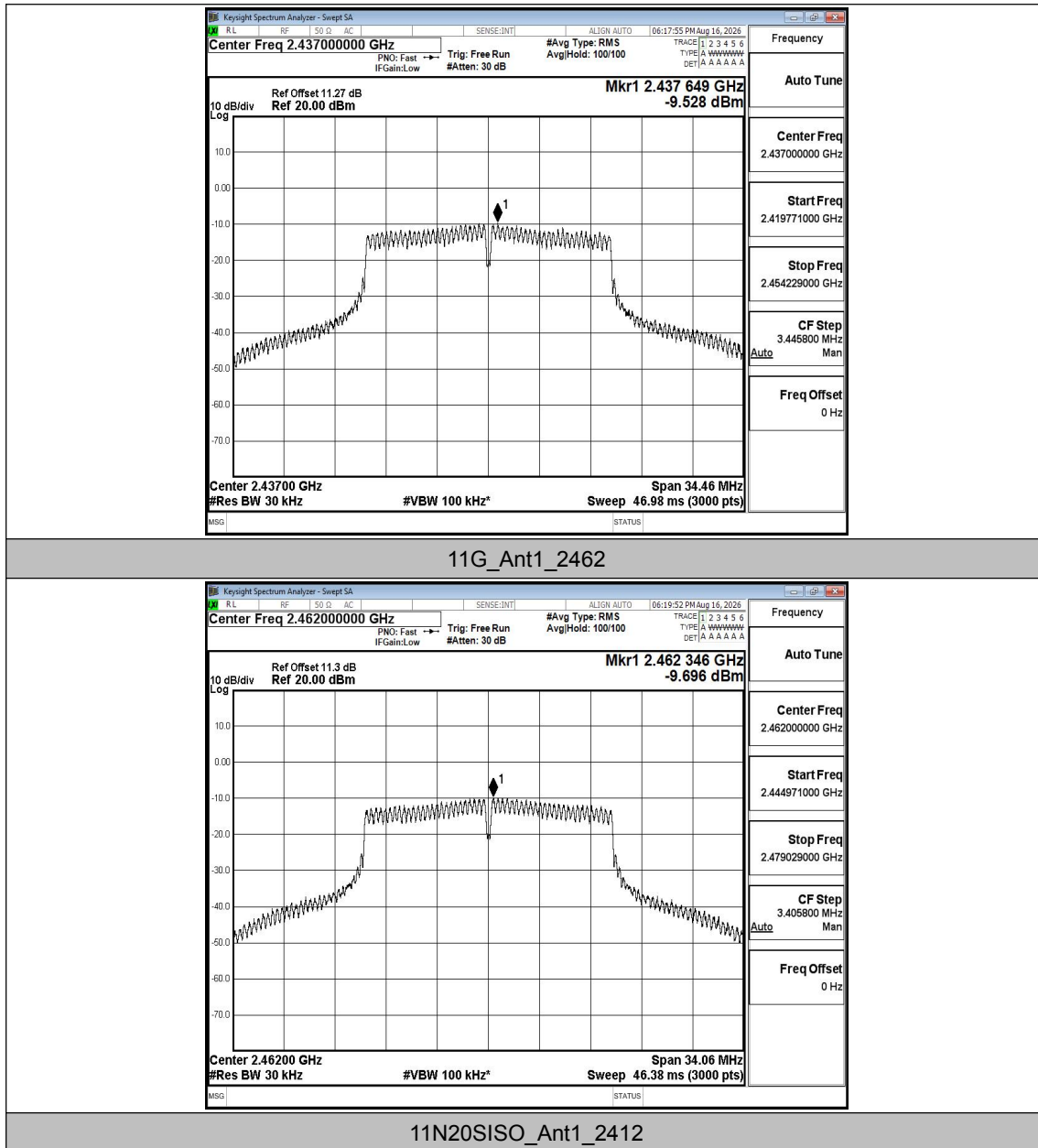
11B_Ant1_2462

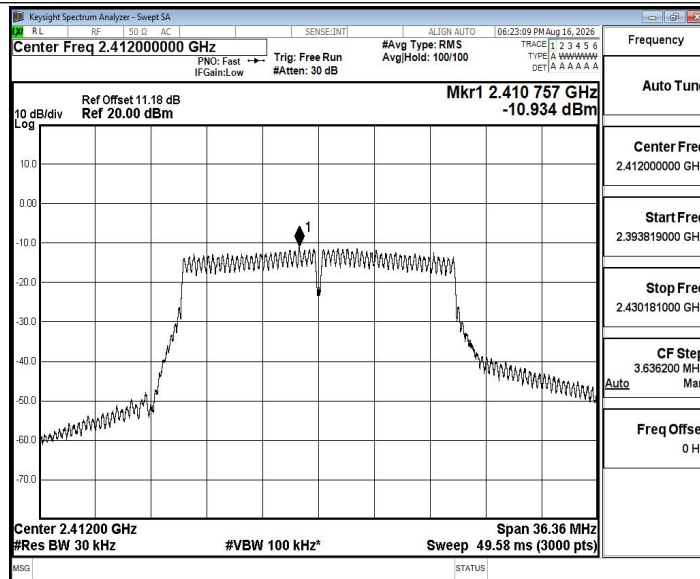


11G_Ant1_2412

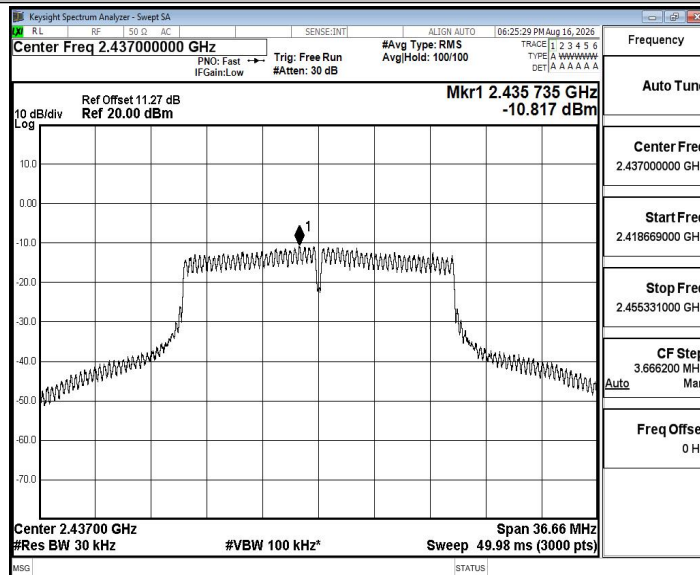


11G_Ant1_2437

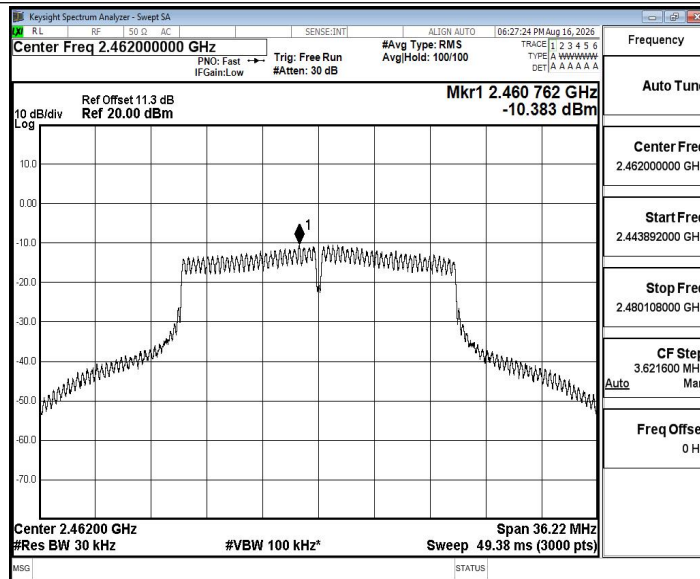




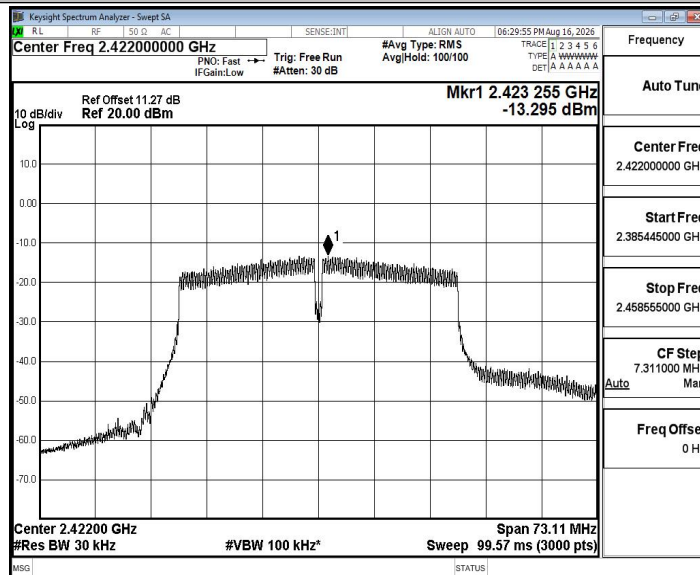
11N20SISO_Ant1_2437



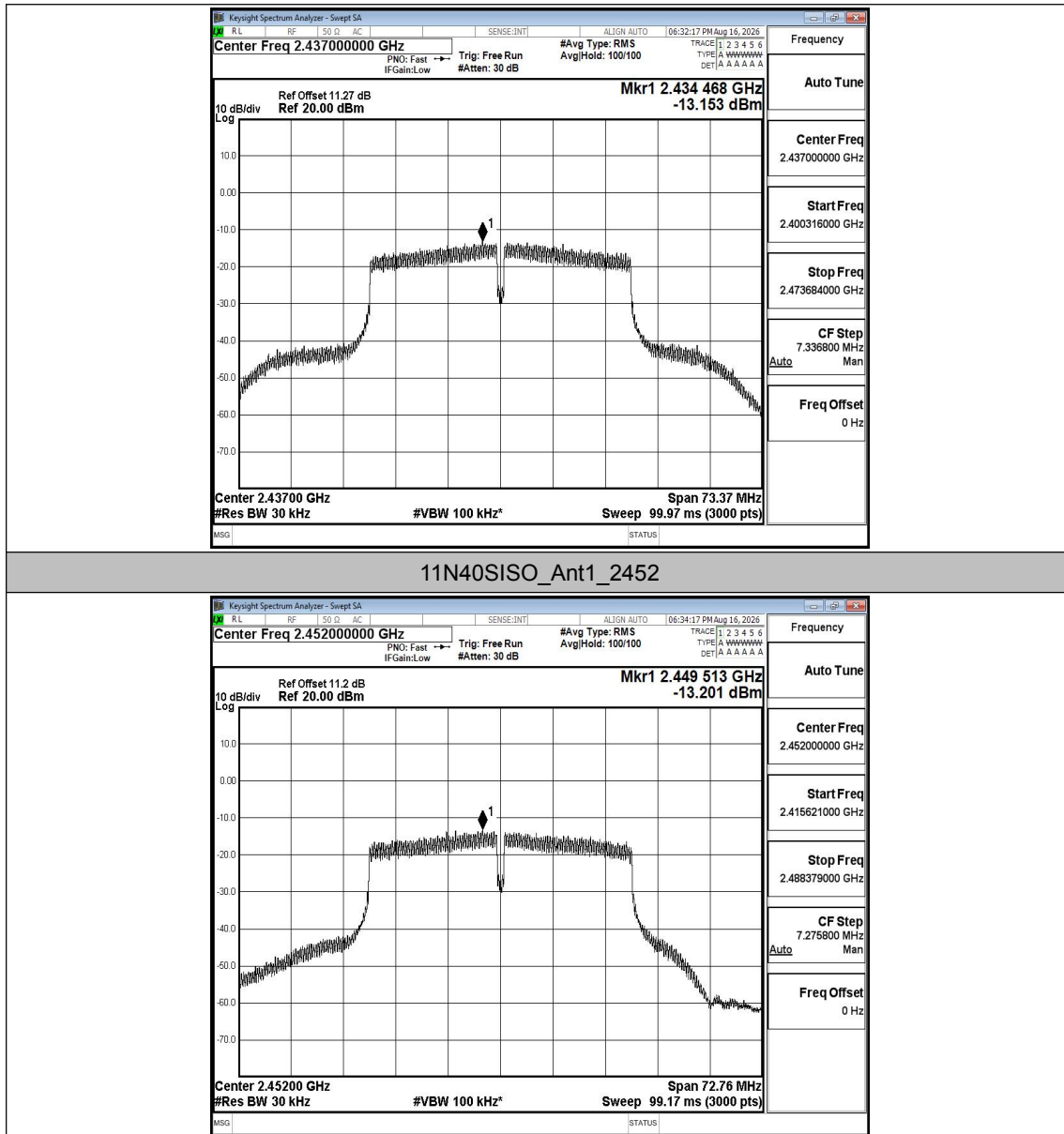
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



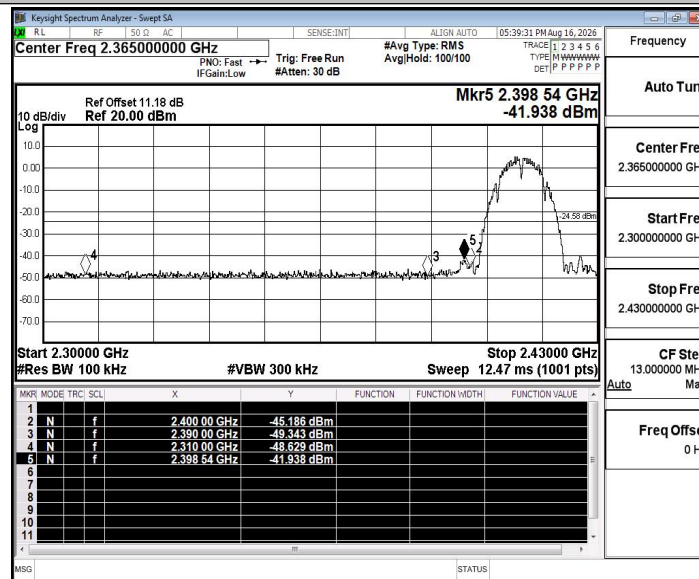
A.4 Band edge measurements

Test Result

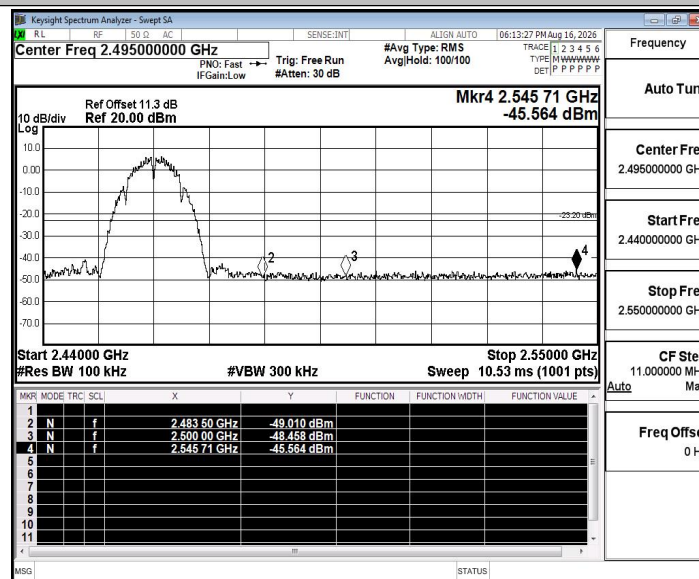
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.42	-41.94	≤ -24.58	PASS
		High	2462	6.80	-45.56	≤ -23.2	PASS
11G	Ant1	Low	2412	2.64	-35.22	≤ -27.36	PASS
		High	2462	3.38	-44.7	≤ -26.62	PASS
11N20SISO	Ant1	Low	2412	2.20	-36.06	≤ -27.8	PASS
		High	2462	2.97	-45.74	≤ -27.03	PASS
11N40SISO	Ant1	Low	2422	0.87	-38.46	≤ -29.13	PASS
		High	2452	0.67	-45.09	≤ -29.33	PASS

Test Graphs

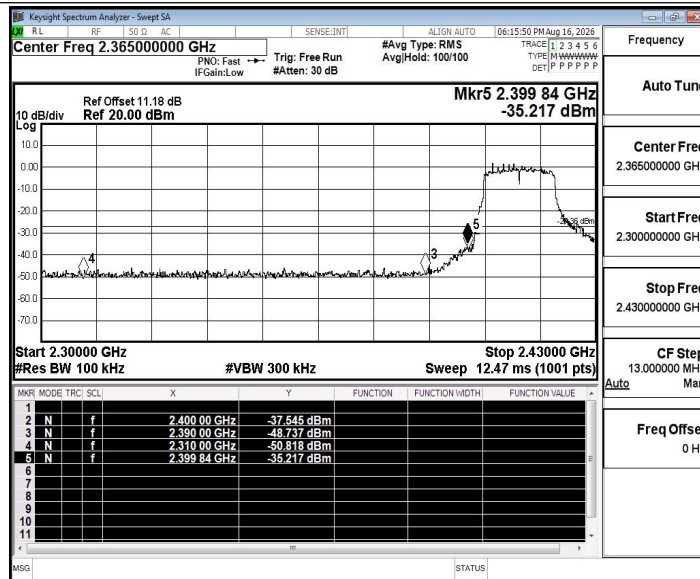
11B_Ant1_Low_2412



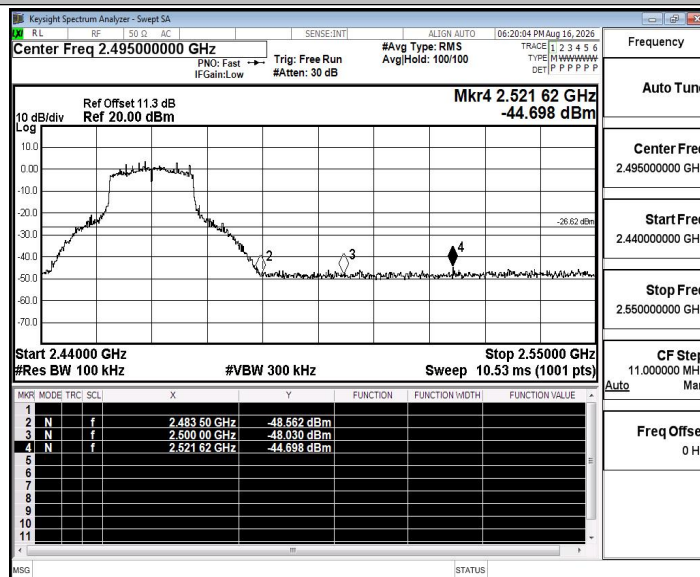
11B_Ant1_High_2462



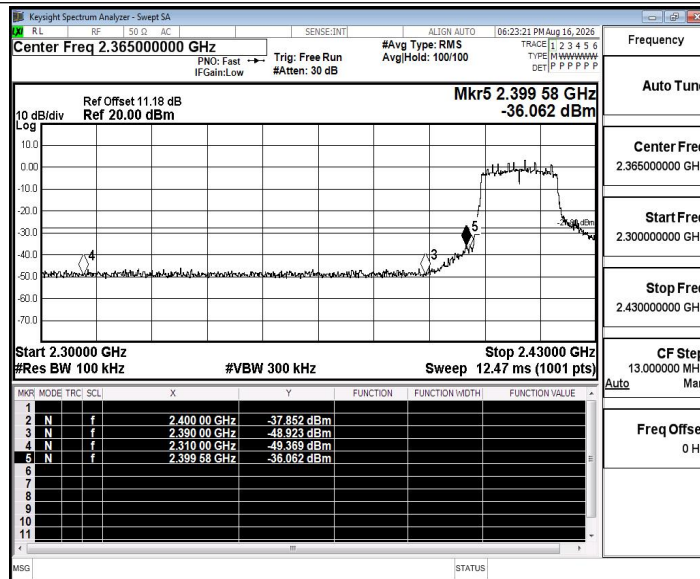
11G_Ant1_Low_2412



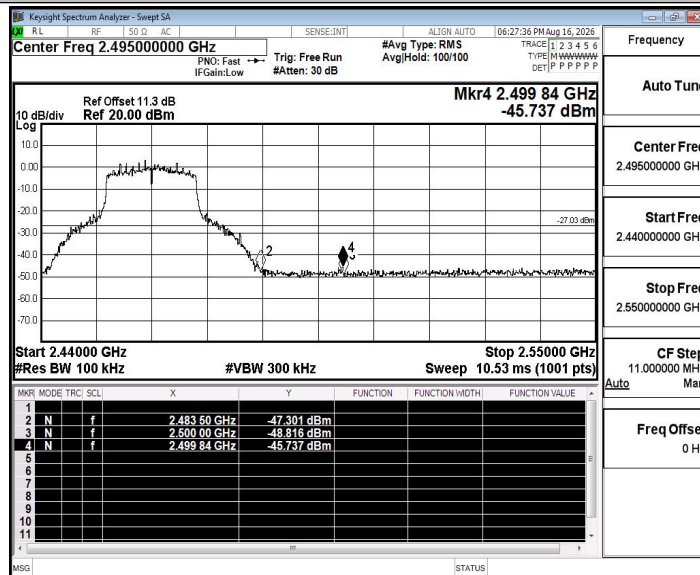
11G_Ant1_High_2462



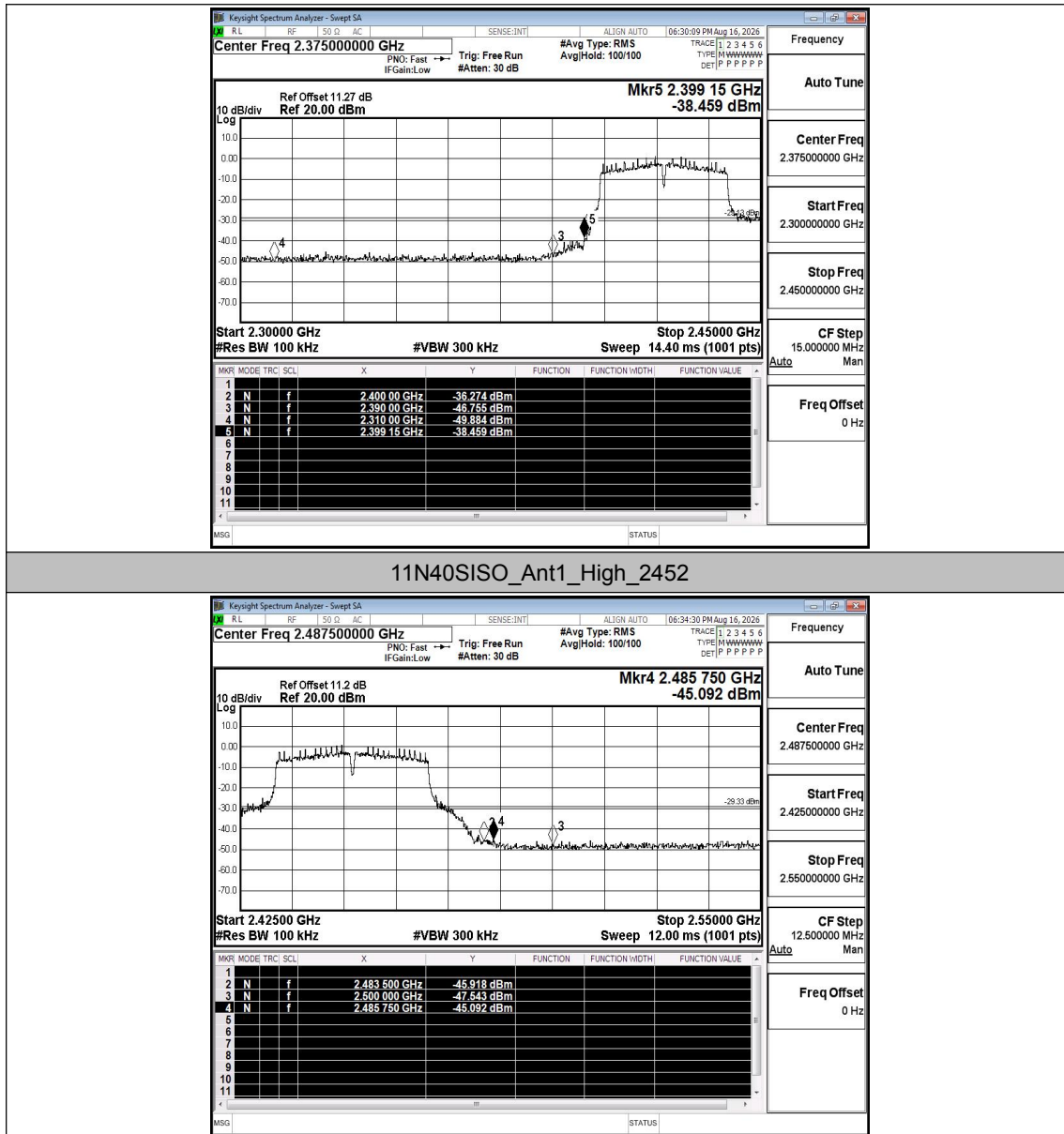
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



A.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.98	5.98	---	PASS
			30~1000	5.98	-65.39	≤-24.02	PASS
			1000~26500	5.98	-44.52	≤-24.02	PASS
		2437	Reference	5.60	5.60	---	PASS
			30~1000	5.60	-64.95	≤-24.4	PASS
			1000~26500	5.60	-43.71	≤-24.4	PASS
		2462	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-64.69	≤-25.47	PASS
			1000~26500	4.53	-44.67	≤-25.47	PASS
11G	Ant1	2412	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-64.29	≤-28.71	PASS
			1000~26500	1.29	-44.15	≤-28.71	PASS
		2437	Reference	1.10	1.10	---	PASS
			30~1000	1.10	-65.03	≤-28.9	PASS
			1000~26500	1.10	-44.73	≤-28.9	PASS
		2462	Reference	-0.04	-0.04	---	PASS
			30~1000	-0.04	-65.58	≤-30.04	PASS
			1000~26500	-0.04	-44.31	≤-30.04	PASS
11N20SISO	Ant1	2412	Reference	1.96	1.96	---	PASS
			30~1000	1.96	-65.87	≤-28.04	PASS
			1000~26500	1.96	-45.01	≤-28.04	PASS
		2437	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-65.88	≤-28.39	PASS
			1000~26500	1.61	-44.76	≤-28.39	PASS
		2462	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-65.44	≤-29.09	PASS
			1000~26500	0.91	-44.98	≤-29.09	PASS
11N40SISO	Ant1	2422	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-65.26	≤-31.34	PASS
			1000~26500	-1.34	-44.79	≤-31.34	PASS
		2437	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-64.69	≤-31.68	PASS
			1000~26500	-1.68	-44.48	≤-31.68	PASS
		2452	Reference	-1.49	-1.49	---	PASS
			30~1000	-1.49	-65.22	≤-31.49	PASS

			1000~26500	-1.49	-44.39	≤-31.49	PASS
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Test Graphs

