

Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Tablet

Test Model: K11 Pro

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

C.1 DTS Bandwidth

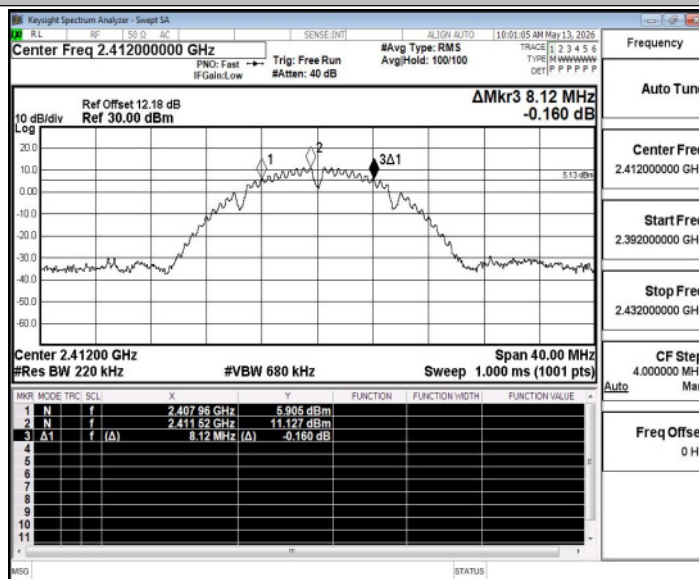
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	8.560	2432.520	2441.080	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.160	2403.920	2420.080	0.5	PASS
		2437	16.200	2428.880	2445.080	0.5	PASS
		2462	16.080	2453.960	2470.040	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.360	2420.640	0.5	PASS
		2437	17.320	2428.320	2445.640	0.5	PASS
		2462	17.280	2453.320	2470.600	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.320	2440.000	0.5	PASS
		2437	35.840	2419.080	2454.920	0.5	PASS
		2452	35.760	2434.000	2469.760	0.5	PASS

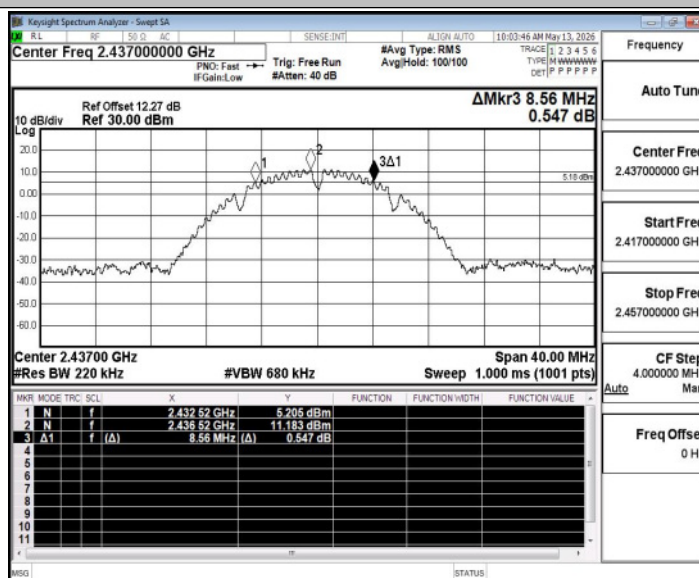
Note :offset=System attenuation +cabal loss

Test Graphs

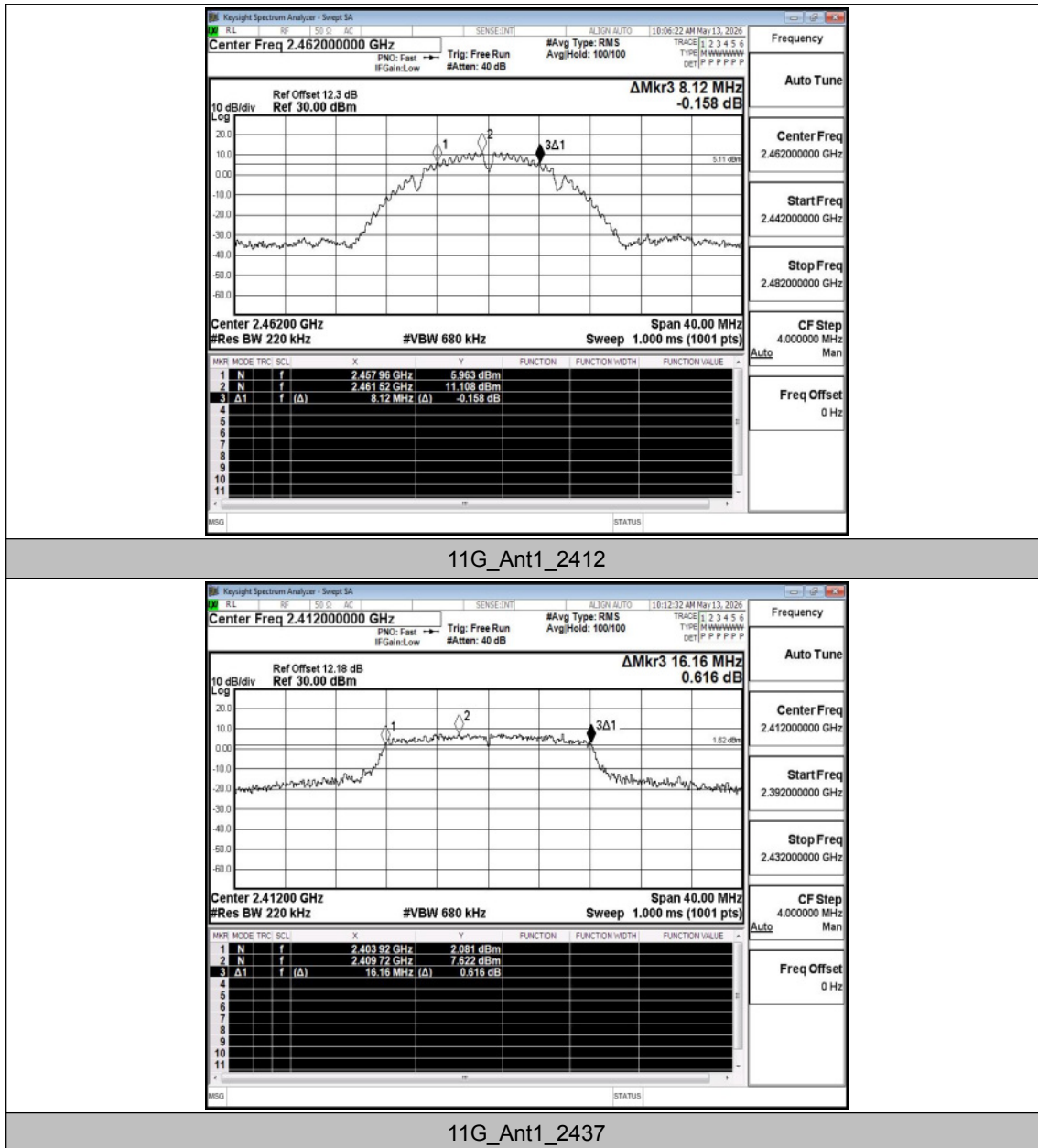
11B_Ant1_2412

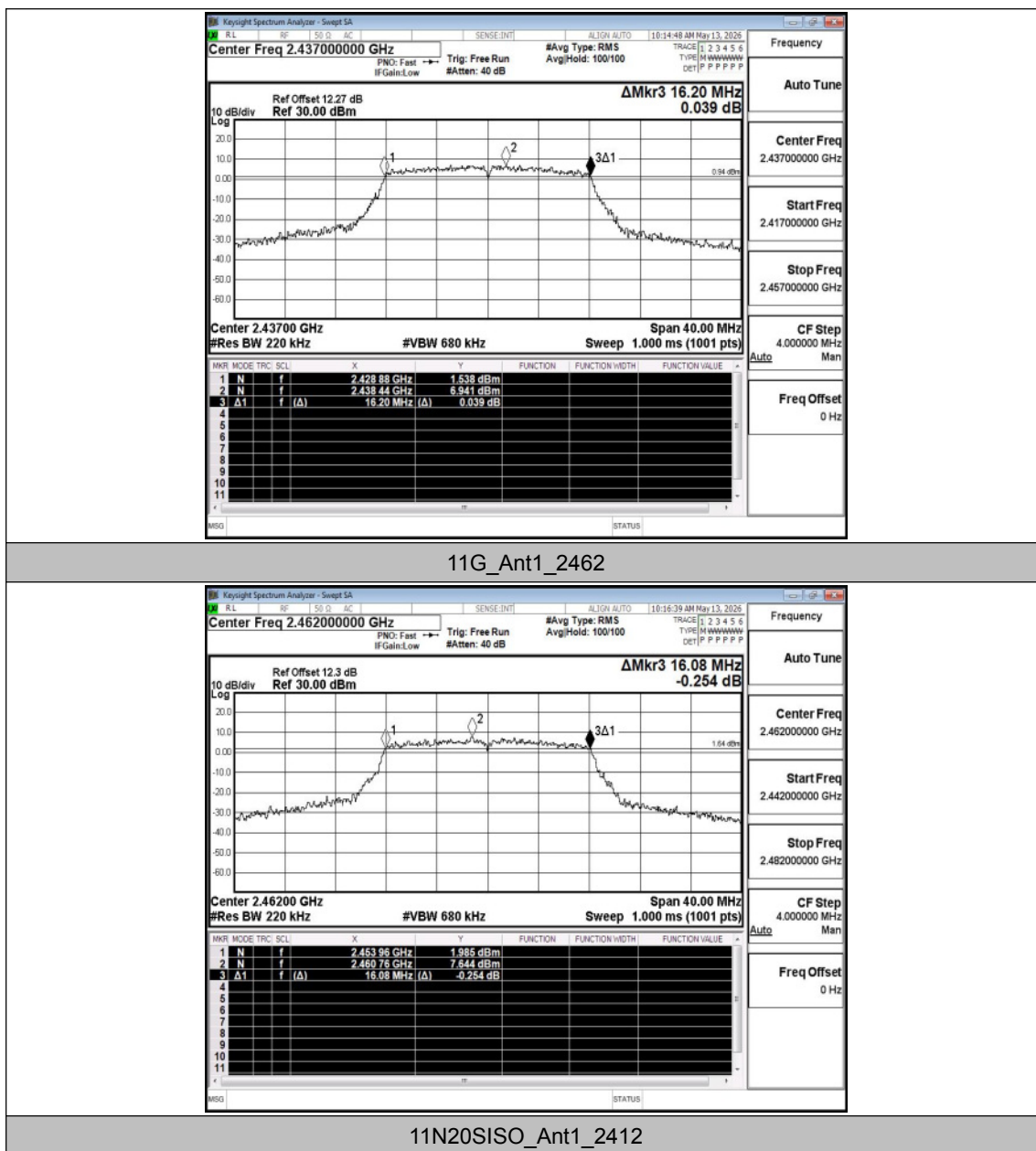


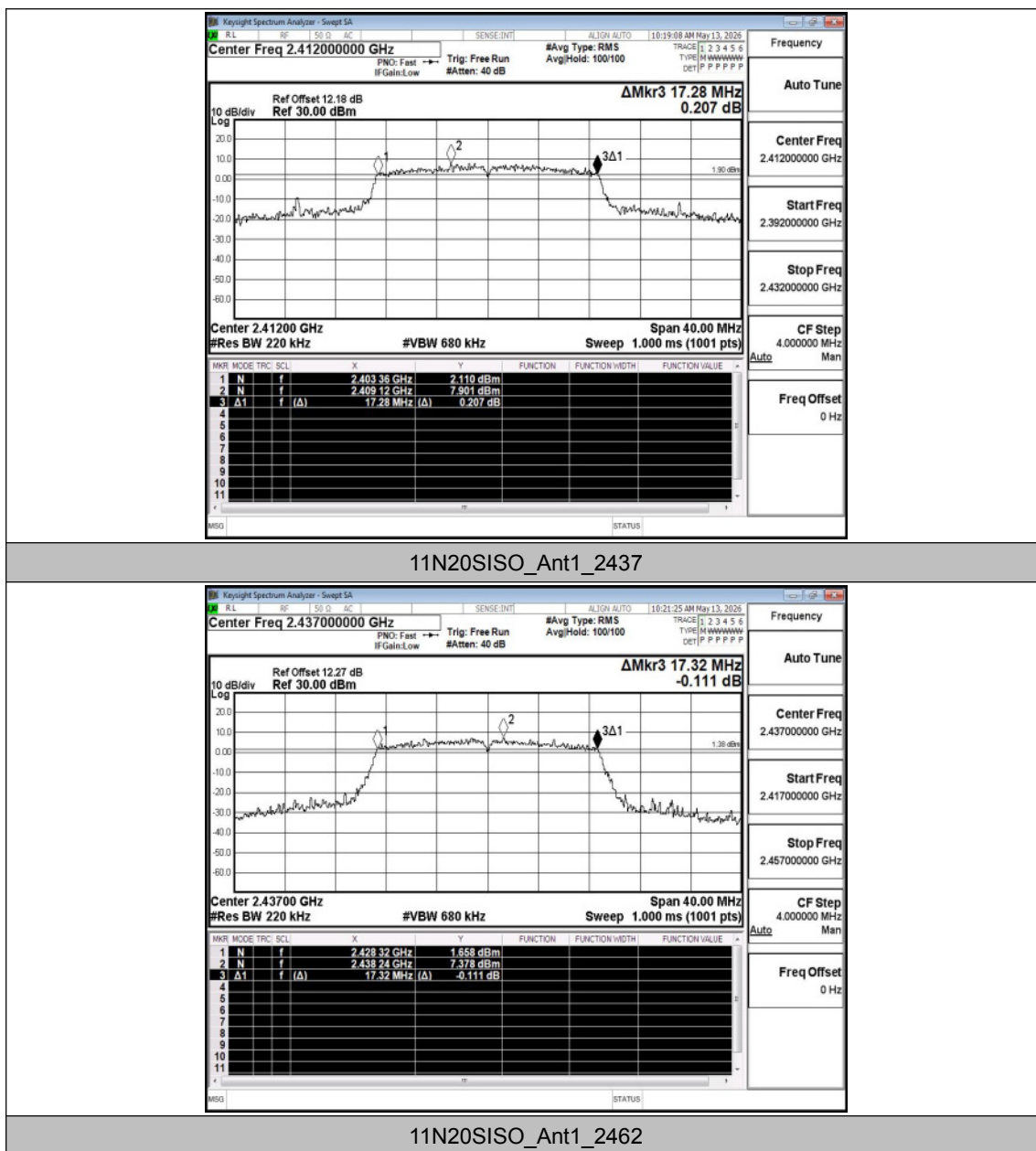
11B_Ant1_2437

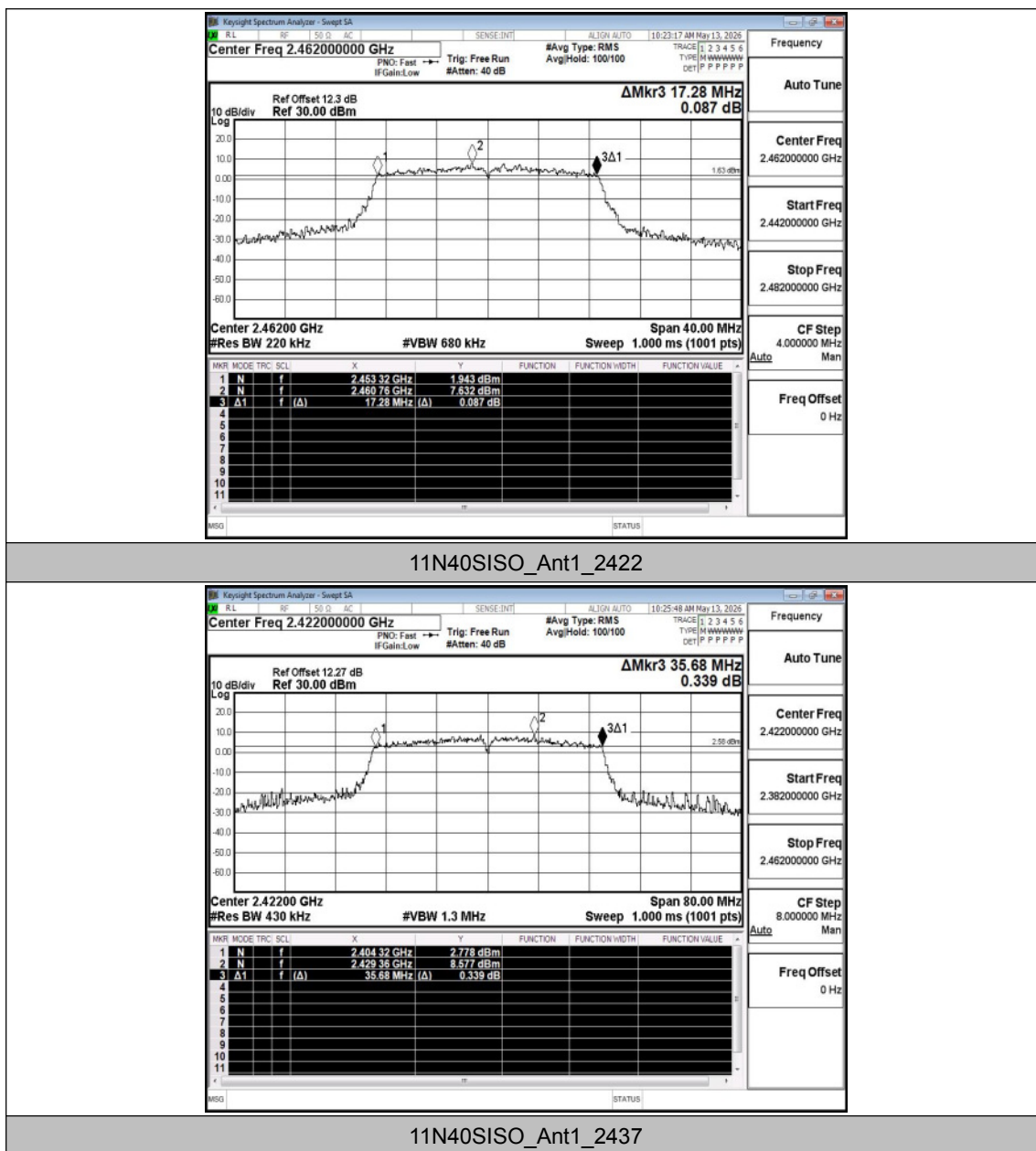


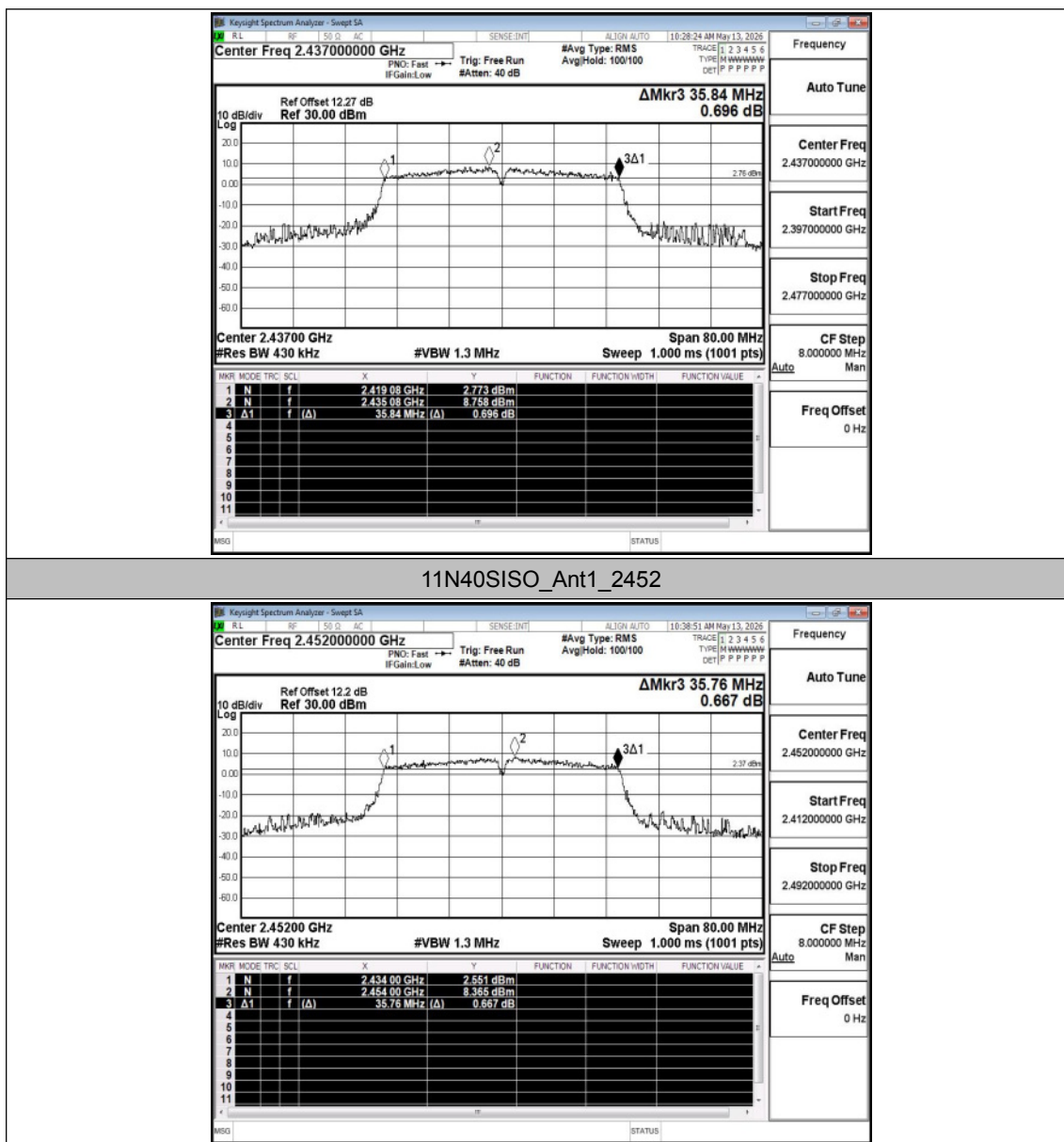
11B_Ant1_2462











C.2 Maximum Average conducted output power

Test Result Average

TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.56	0.03	18.59	≤30.00	PASS
		2437	18.59	0.02	18.61	≤30.00	PASS
		2462	18.18	0.02	18.20	≤30.00	PASS
11G	Ant1	2412	17.66	0.12	17.78	≤30.00	PASS
		2437	16.87	0.12	16.99	≤30.00	PASS
		2462	16.80	0.15	16.95	≤30.00	PASS
11N20SISO	Ant1	2412	17.33	0.16	17.49	≤30.00	PASS
		2437	16.73	0.13	16.86	≤30.00	PASS
		2462	16.77	0.16	16.93	≤30.00	PASS
11N40SISO	Ant1	2422	18.05	0.32	18.37	≤30.00	PASS
		2437	17.93	0.26	18.19	≤30.00	PASS
		2452	18.04	0.26	18.30	≤30.00	PASS

Note :offset=System attenuation +cabal loss

C.3 Maximum power spectral density

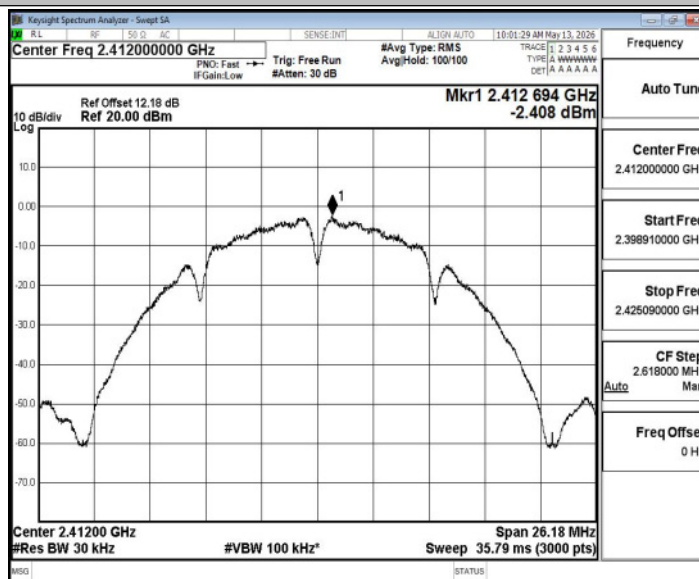
Test Result

TestMode	Antenna	Frequency[MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.41	0.03	-2.38	≤8.00	PASS
		2437	-1.97	0.02	-1.95	≤8.00	PASS
		2462	-2.38	0.02	-2.36	≤8.00	PASS
11G	Ant1	2412	-6.29	0.12	-6.17	≤8.00	PASS
		2437	-7.01	0.12	-6.89	≤8.00	PASS
		2462	-7	0.15	-6.85	≤8.00	PASS
11N20SISO	Ant1	2412	-6.75	0.16	-6.59	≤8.00	PASS
		2437	-7.34	0.13	-7.21	≤8.00	PASS
		2462	-7.02	0.16	-6.86	≤8.00	PASS
11N40SISO	Ant1	2422	-8.82	0.32	-8.50	≤8.00	PASS
		2437	-7.81	0.26	-7.55	≤8.00	PASS
		2452	-8.82	0.26	-8.56	≤8.00	PASS

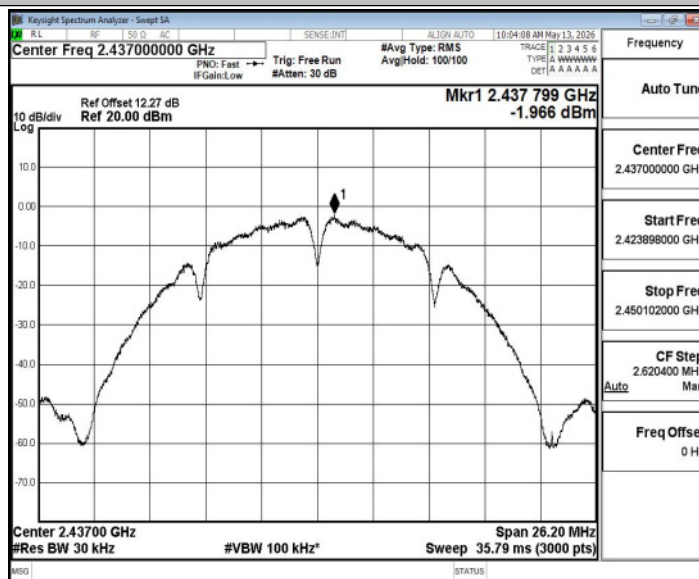
Note :offset=System attenuation +cable loss

Test Graphs

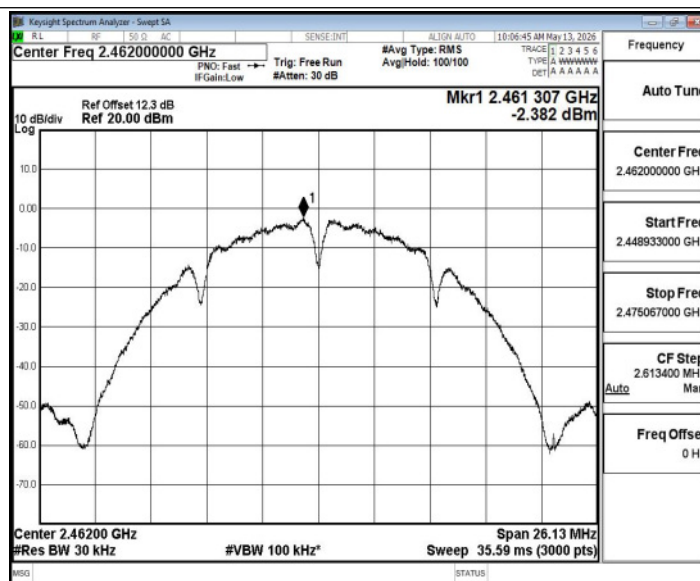
11B_Ant1_2412



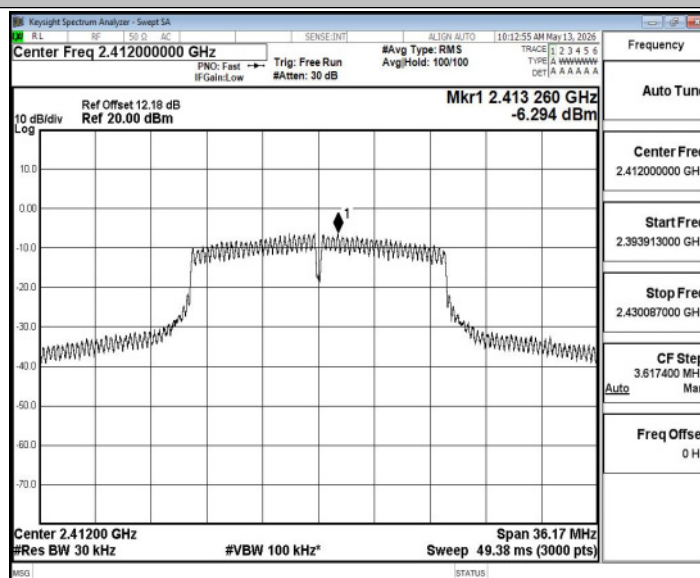
11B_Ant1_2437



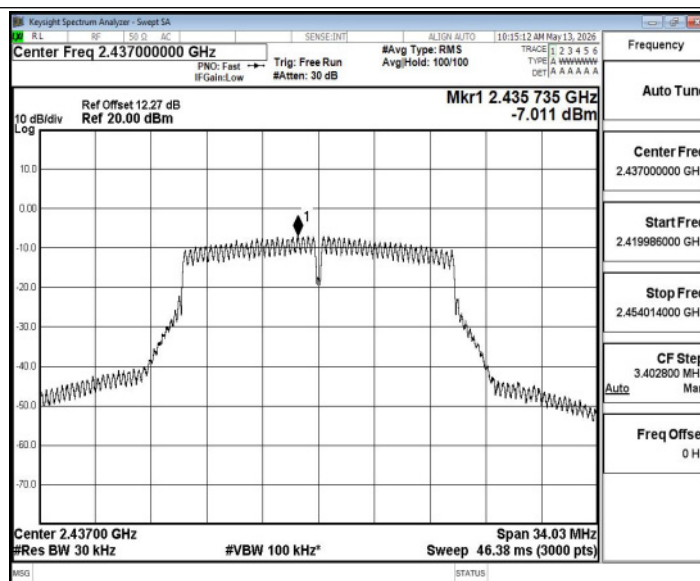
11B_Ant1_2462



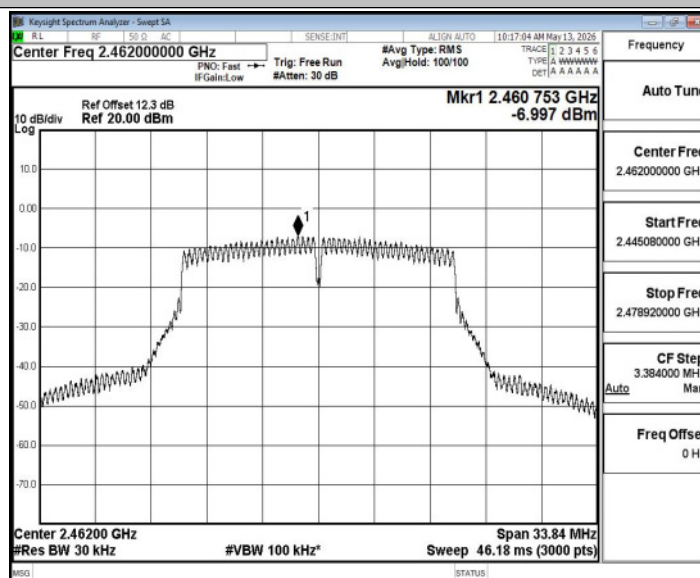
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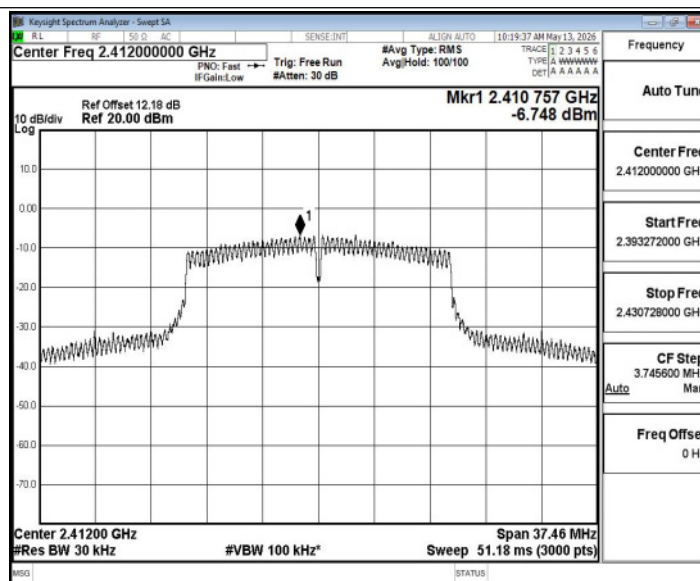
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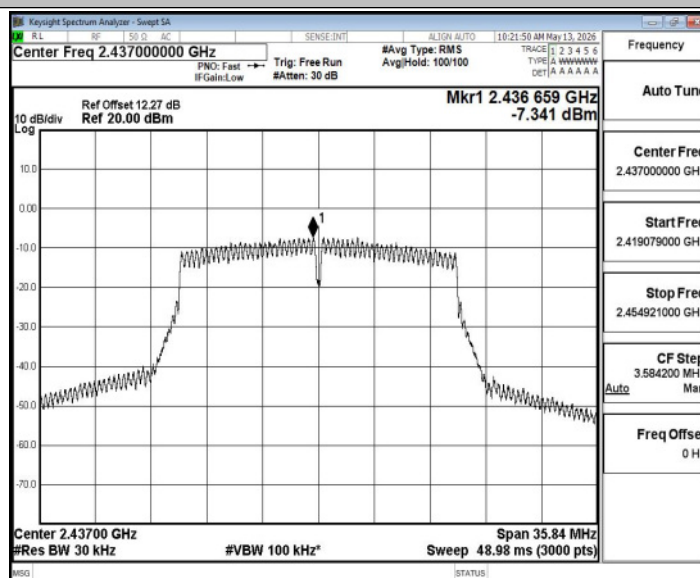
11G_Ant1_2462



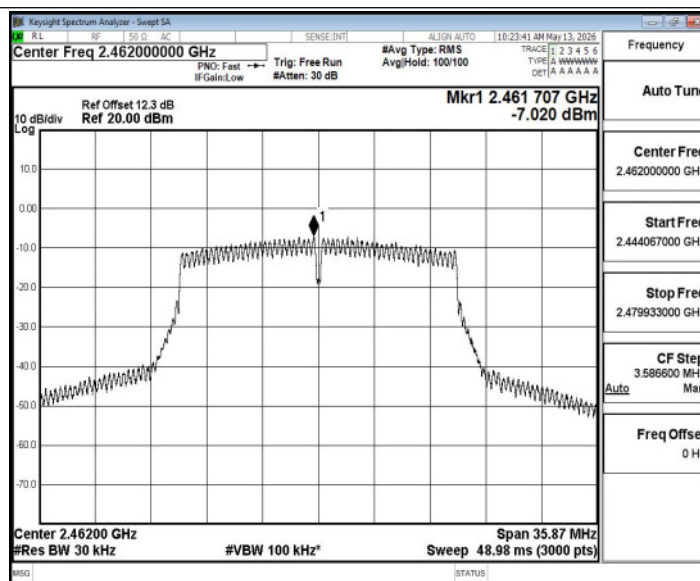
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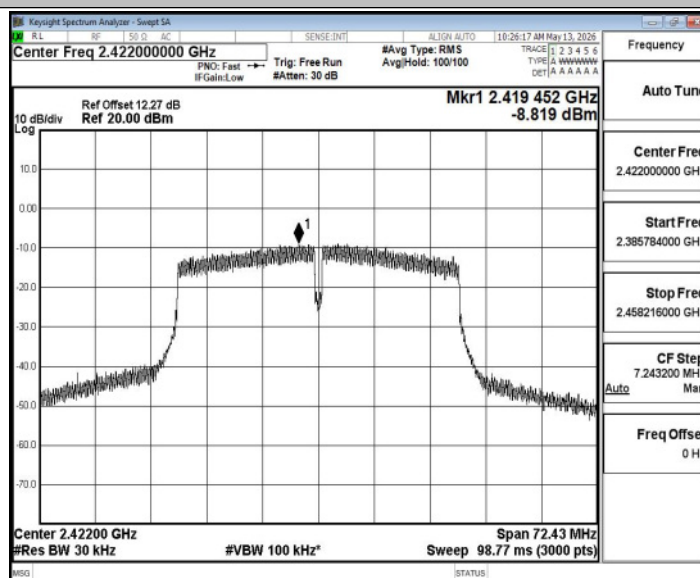
11N20SISO_Ant1_2437



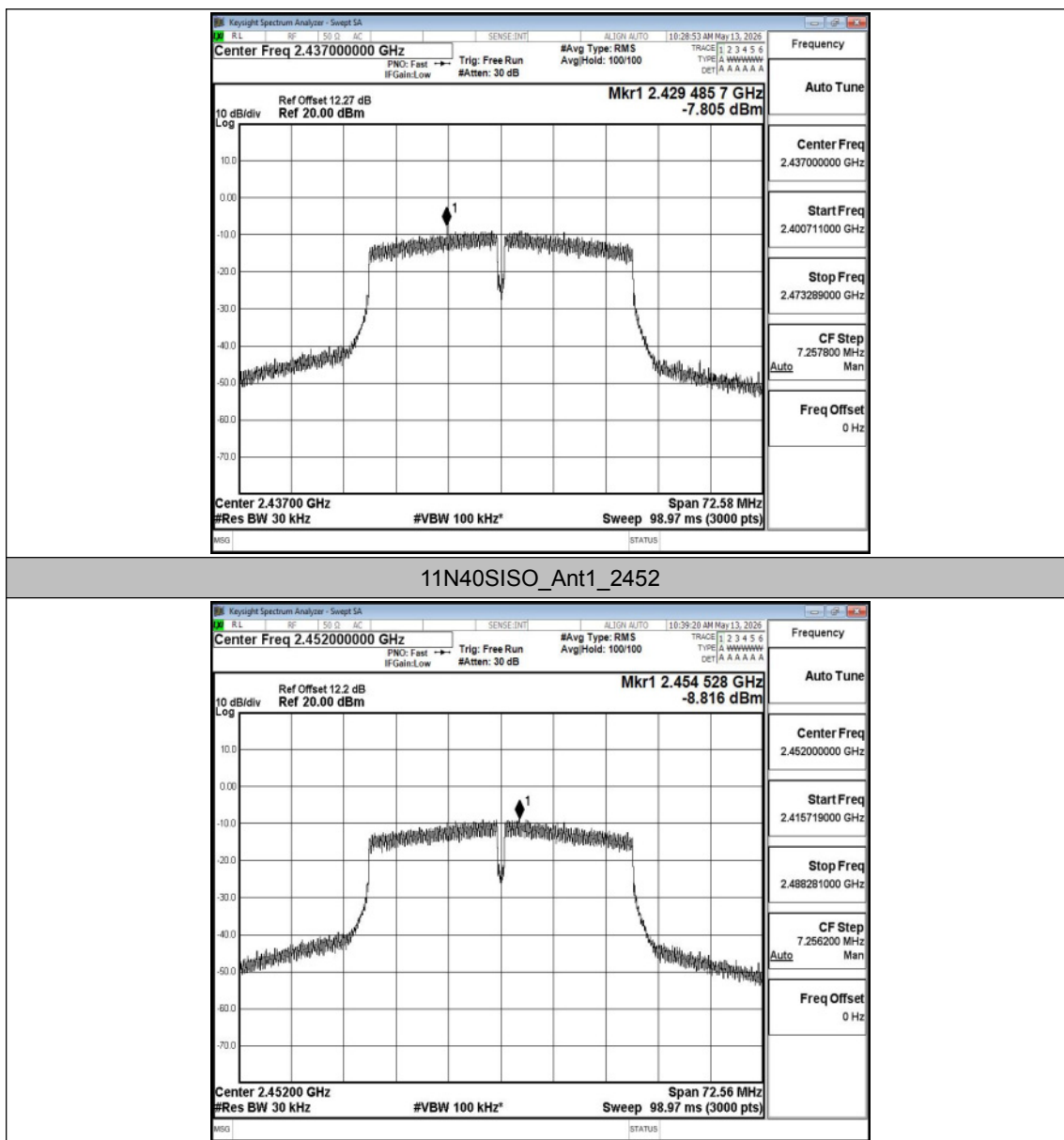
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



C.4 Band edge measurements

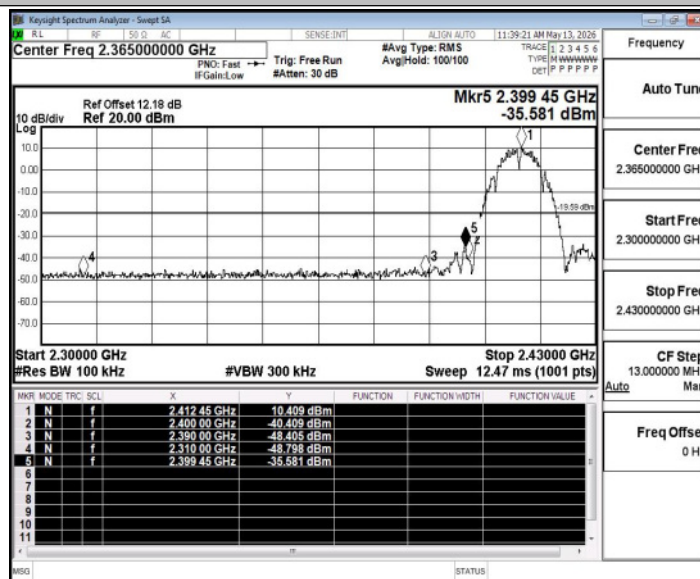
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.41	-35.58	≤-19.59	PASS
		High	2462	7.86	-44.73	≤-22.15	PASS
11G	Ant1	Low	2412	3.77	-33.87	≤-26.24	PASS
		High	2462	2.16	-43.87	≤-27.84	PASS
11N20SISO	Ant1	Low	2412	2.92	-34.57	≤-27.08	PASS
		High	2462	3.61	-44.19	≤-26.39	PASS
11N40SISO	Ant1	Low	2422	0.81	-36.93	≤-29.19	PASS
		High	2452	0.56	-42.15	≤-29.44	PASS

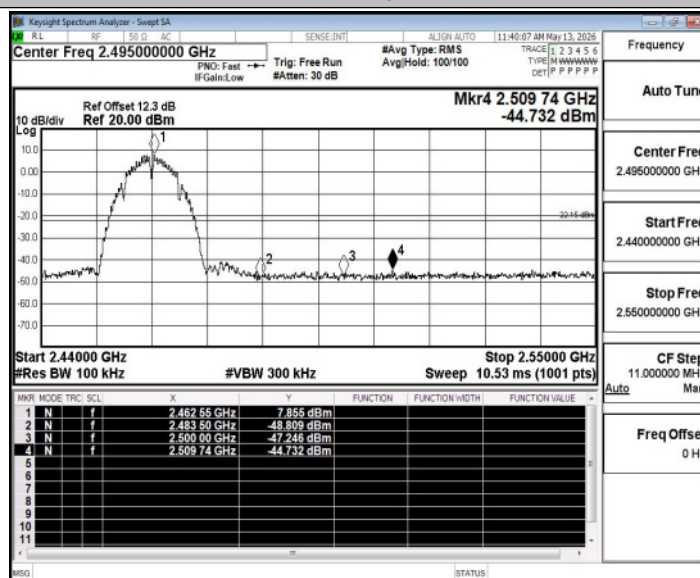
Note :offset=System attenuation +cable loss

Test Graphs

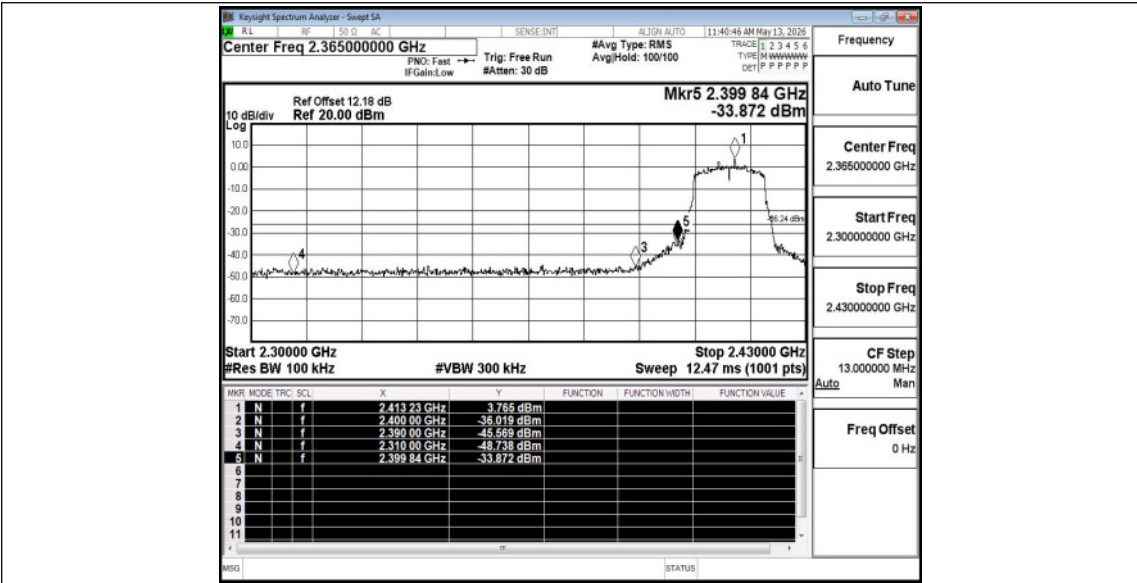
11B_Ant1_Low_2412



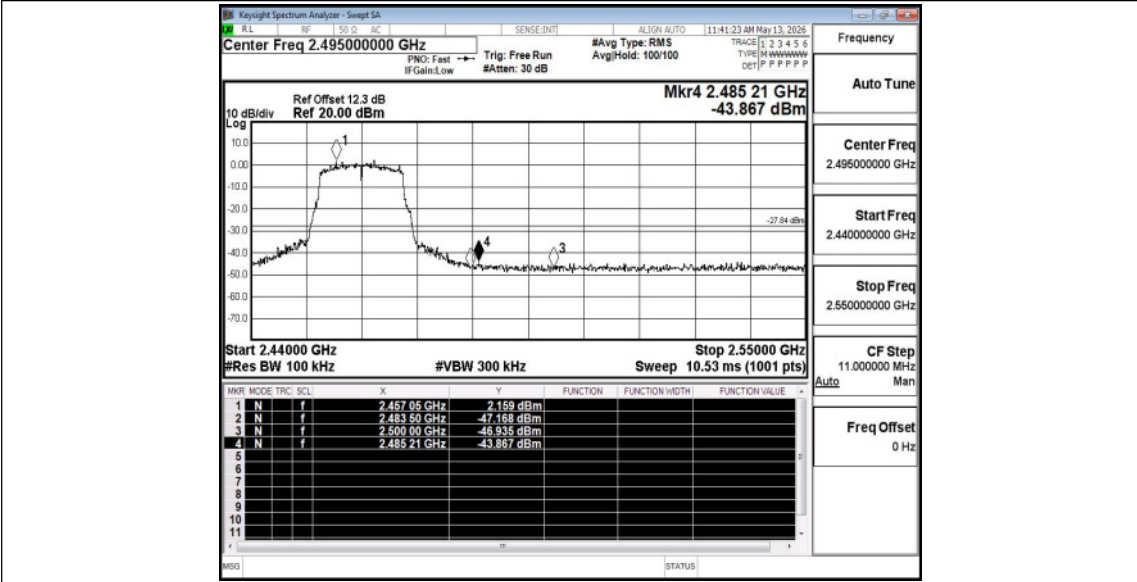
11B_Ant1_High_2462



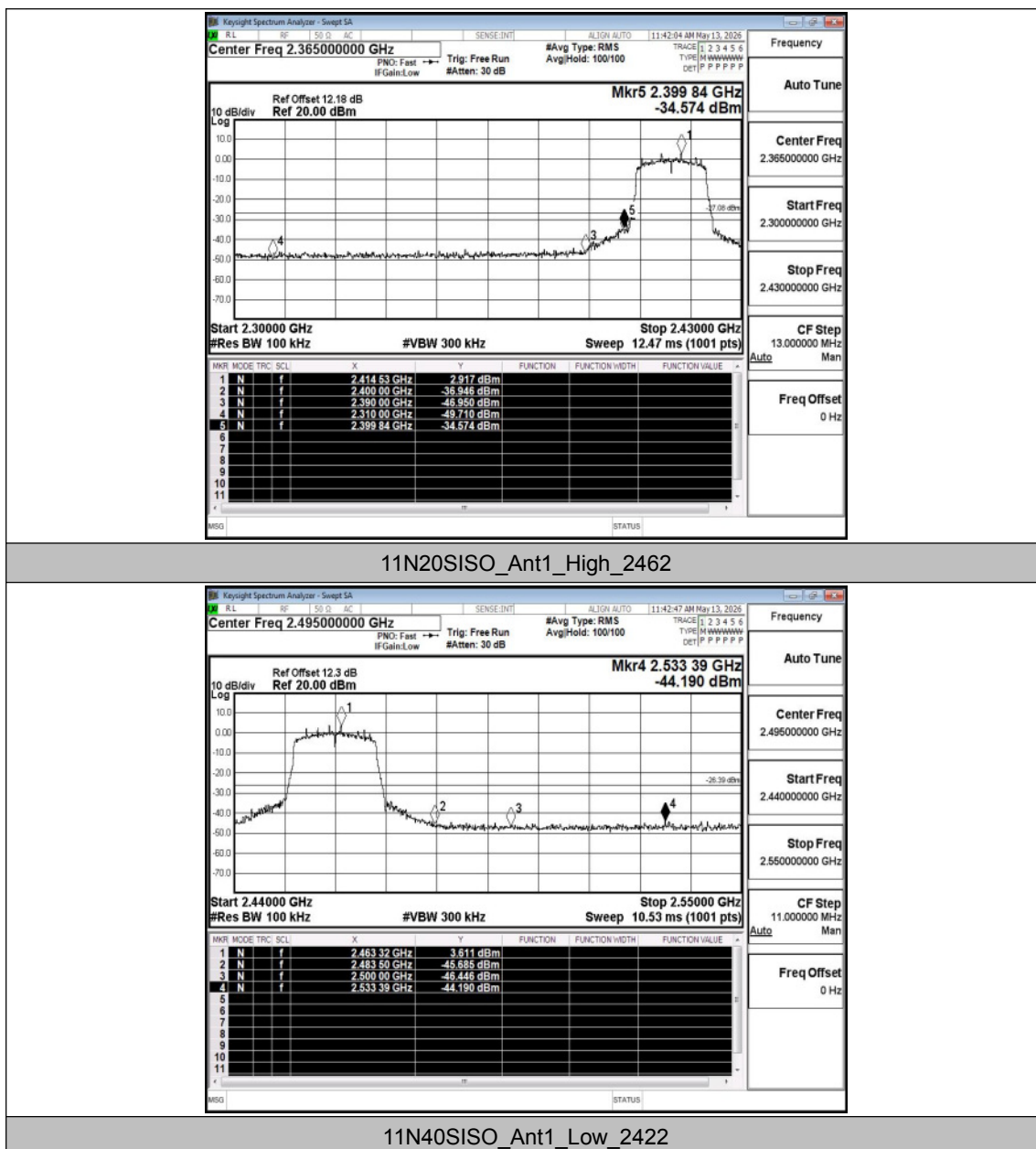
11G_Ant1_Low_2412

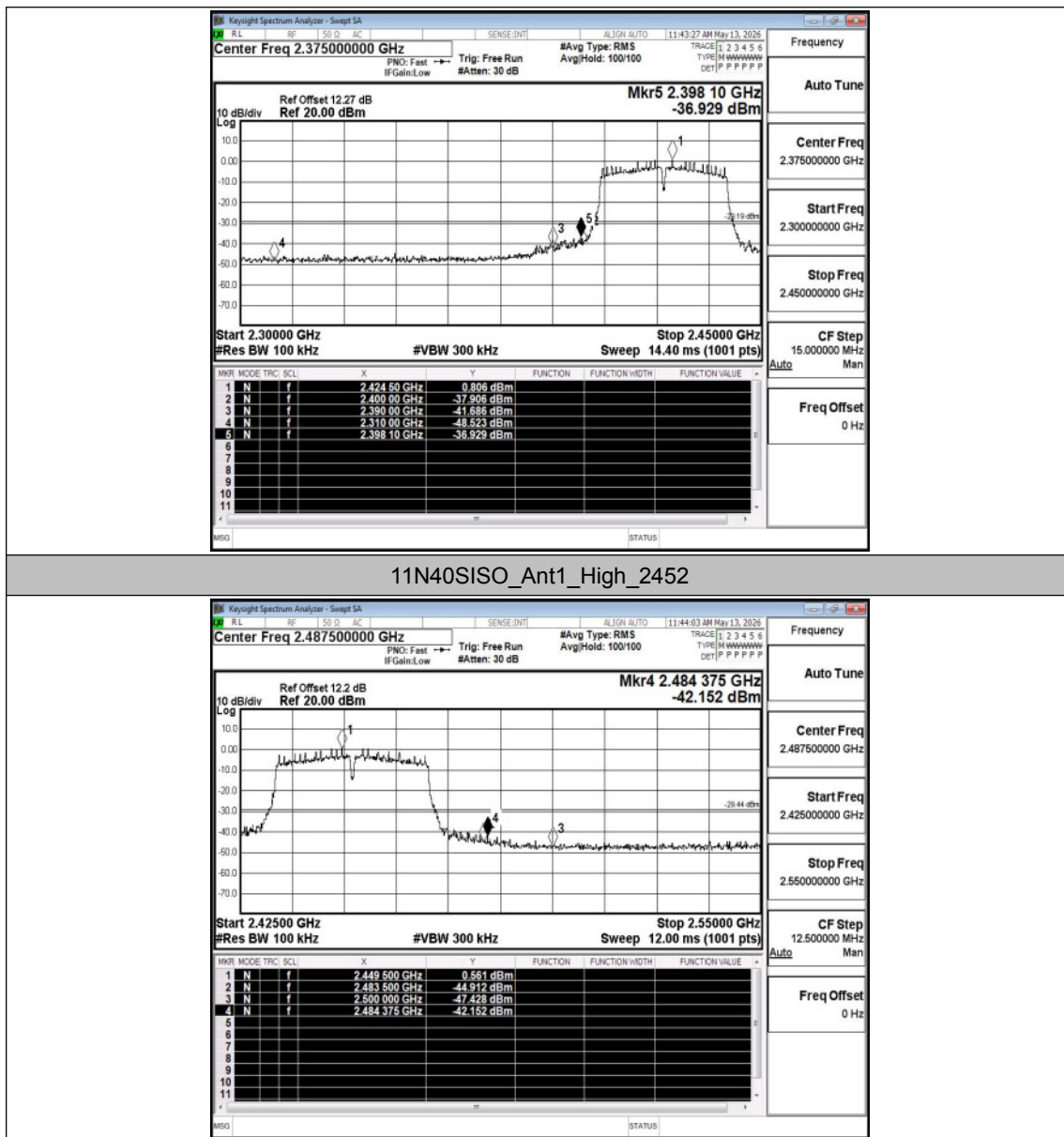


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412





C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.88	8.88	---	PASS
			30~1000	8.88	-68.82	≤-21.12	PASS
			1000~26500	8.88	-30.25	≤-21.12	PASS
		2437	Reference	9.64	9.64	---	PASS
			30~1000	9.64	-68.52	≤-20.36	PASS
			1000~26500	9.64	-29.84	≤-20.36	PASS
		2462	Reference	10.16	10.16	---	PASS
			30~1000	10.16	-68.75	≤-19.84	PASS
			1000~26500	10.16	-30.3	≤-19.84	PASS
11G	Ant1	2412	Reference	4.69	4.69	---	PASS
			30~1000	4.69	-68.69	≤-25.31	PASS
			1000~26500	4.69	-40.36	≤-25.31	PASS
		2437	Reference	2.84	2.84	---	PASS
			30~1000	2.84	-69.01	≤-27.16	PASS
			1000~26500	2.84	-42.25	≤-27.16	PASS
		2462	Reference	4.22	4.22	---	PASS
			30~1000	4.22	-69.47	≤-25.78	PASS
			1000~26500	4.22	-42.84	≤-25.78	PASS
11N20SISO	Ant1	2412	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-69.23	≤-25.72	PASS
			1000~26500	4.28	-40.07	≤-25.72	PASS
		2437	Reference	3.08	3.08	---	PASS
			30~1000	3.08	-68.79	≤-26.92	PASS
			1000~26500	3.08	-42.96	≤-26.92	PASS
		2462	Reference	3.96	3.96	---	PASS
			30~1000	3.96	-68.79	≤-26.04	PASS
			1000~26500	3.96	-42.29	≤-26.04	PASS
11N40SISO	Ant1	2422	Reference	5.34	5.34	---	PASS
			30~1000	5.34	-68.31	≤-24.66	PASS
			1000~26500	5.34	-42.39	≤-24.66	PASS
		2437	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-67.82	≤-25.9	PASS
			1000~26500	4.10	-42.76	≤-25.9	PASS
		2452	Reference	4.07	4.07	---	PASS
			30~1000	4.07	-69.21	≤-25.93	PASS
			1000~26500	4.07	-43.46	≤-25.93	PASS

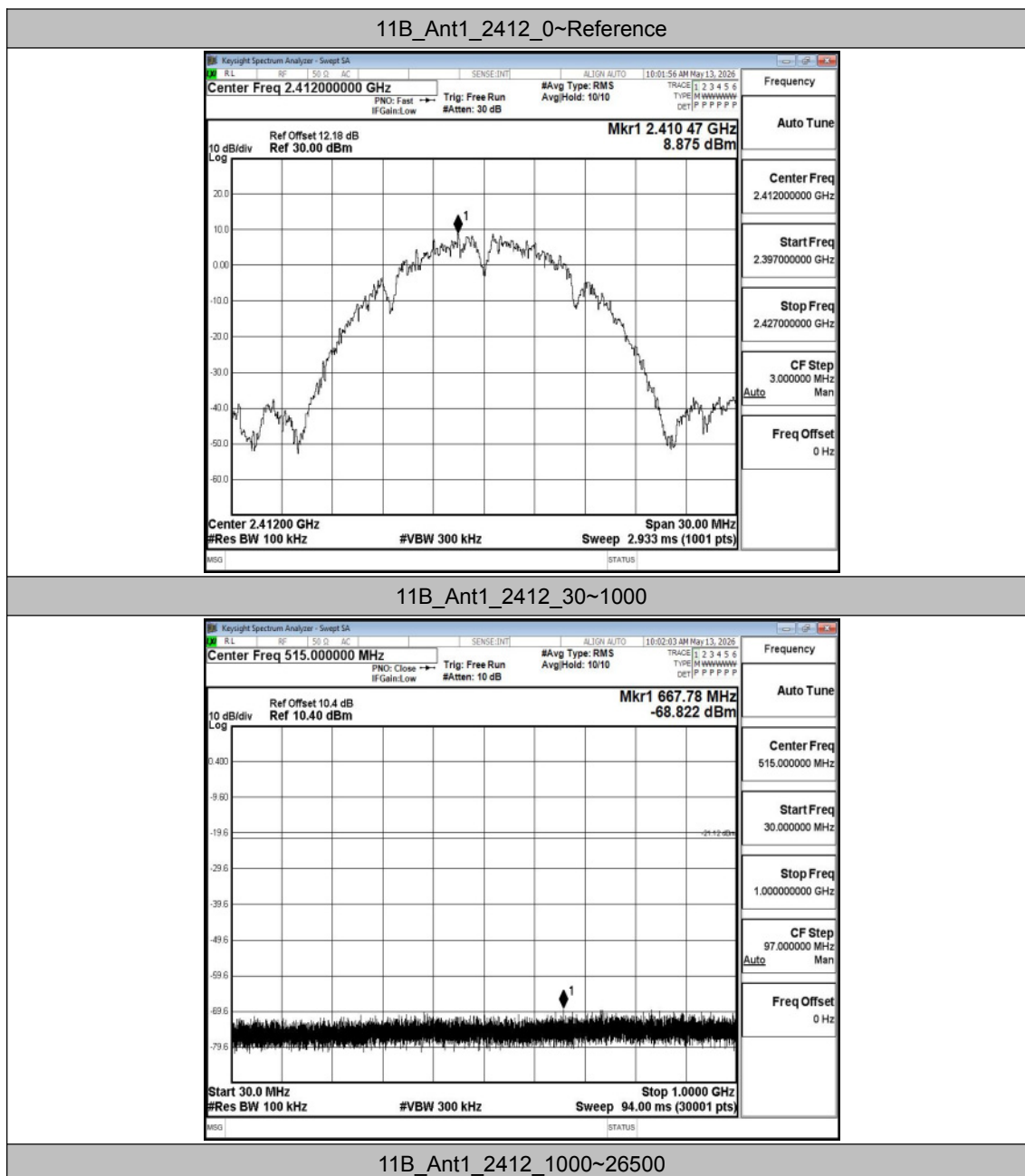
Guangzhou LCS Compliance Testing Laboratory Ltd.

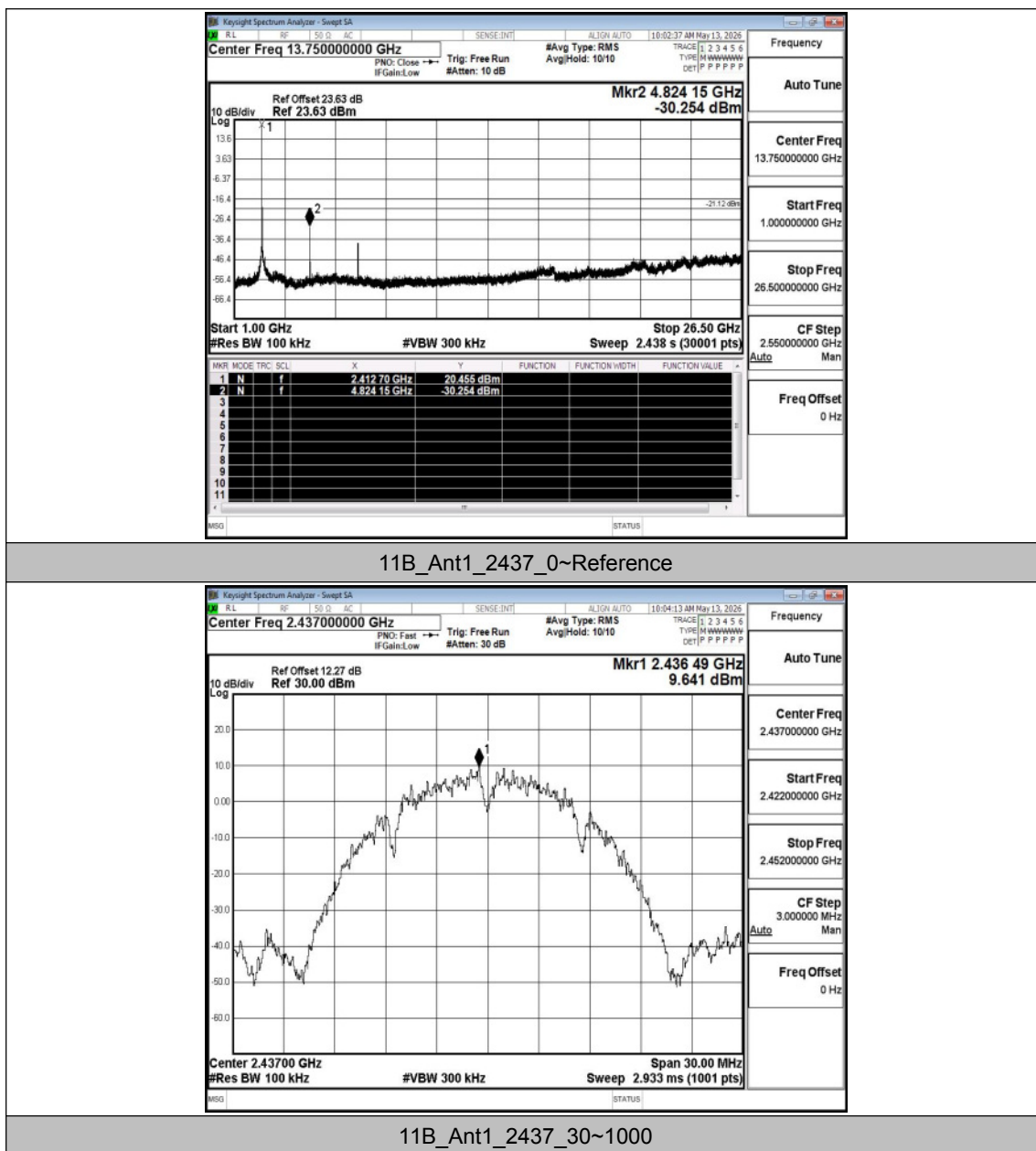
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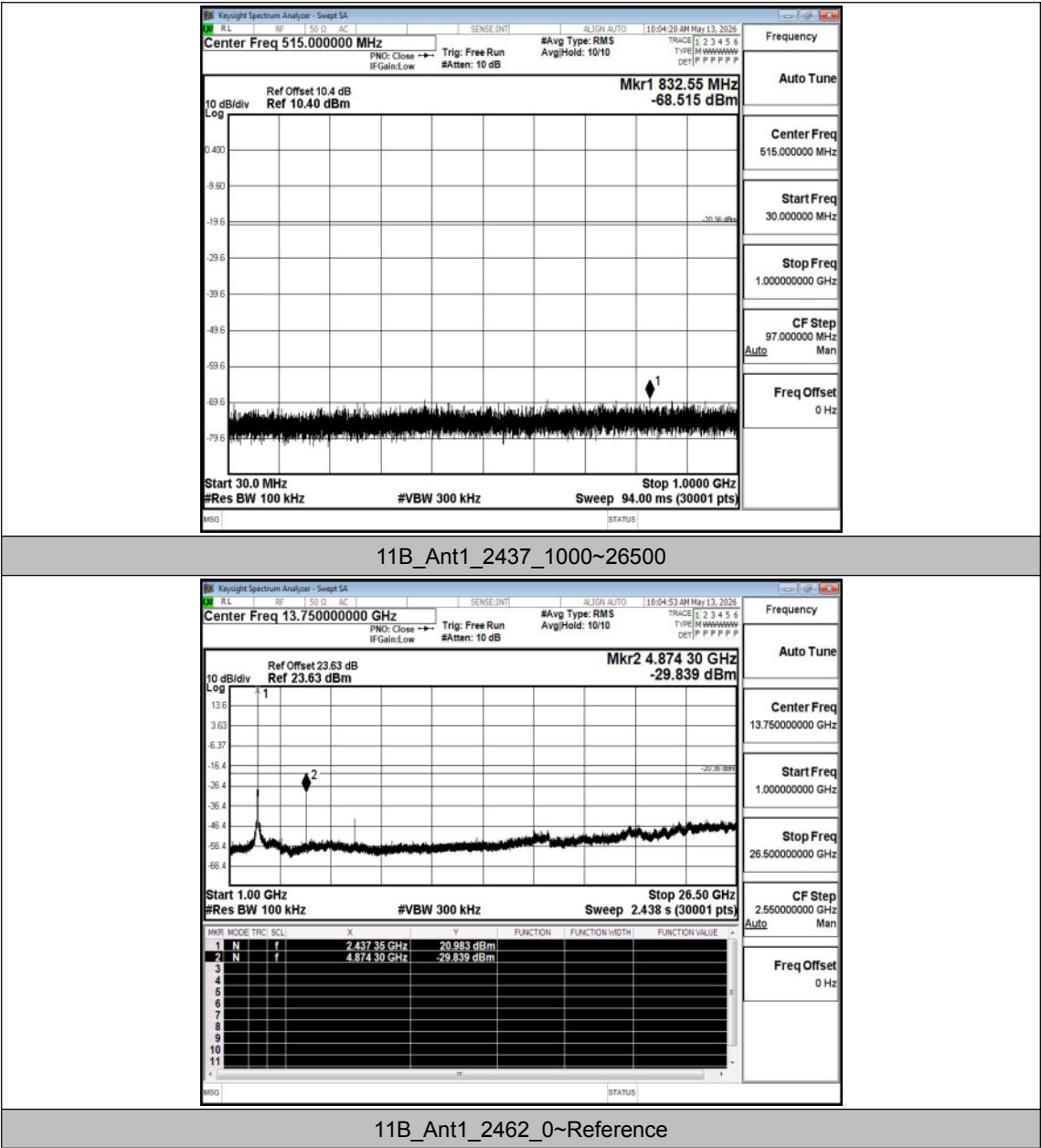
Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

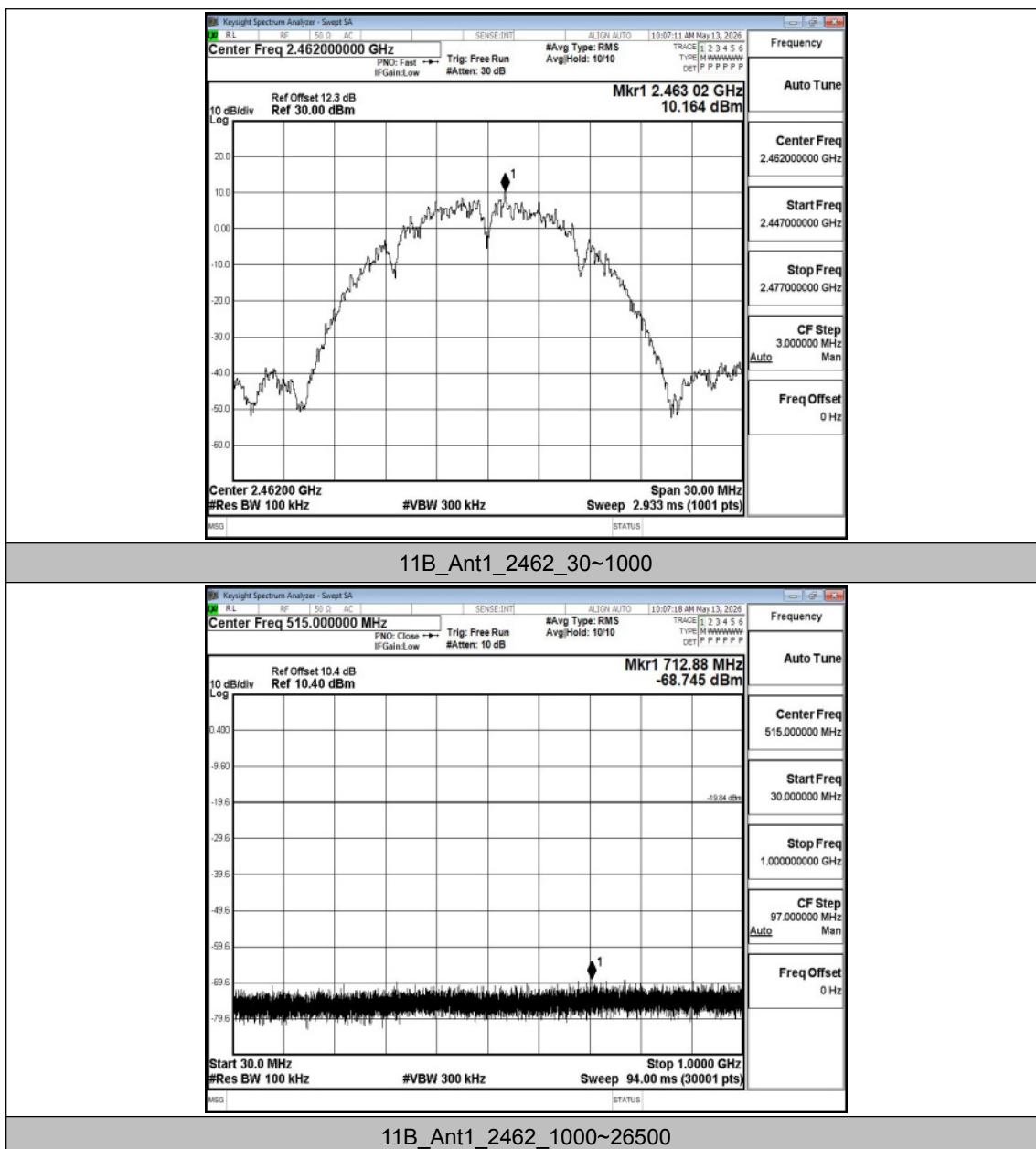
Note :Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.

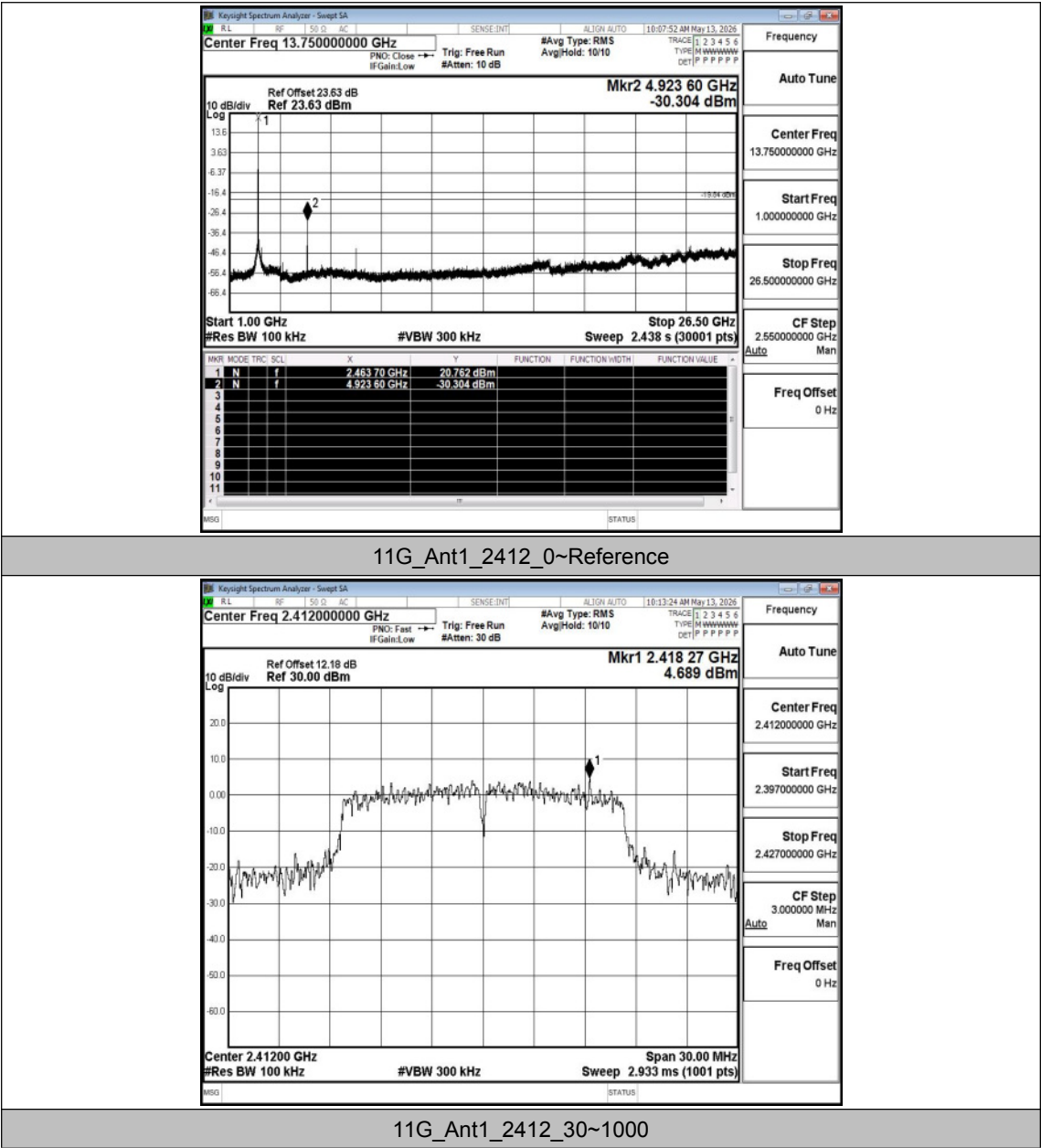
Test Graphs

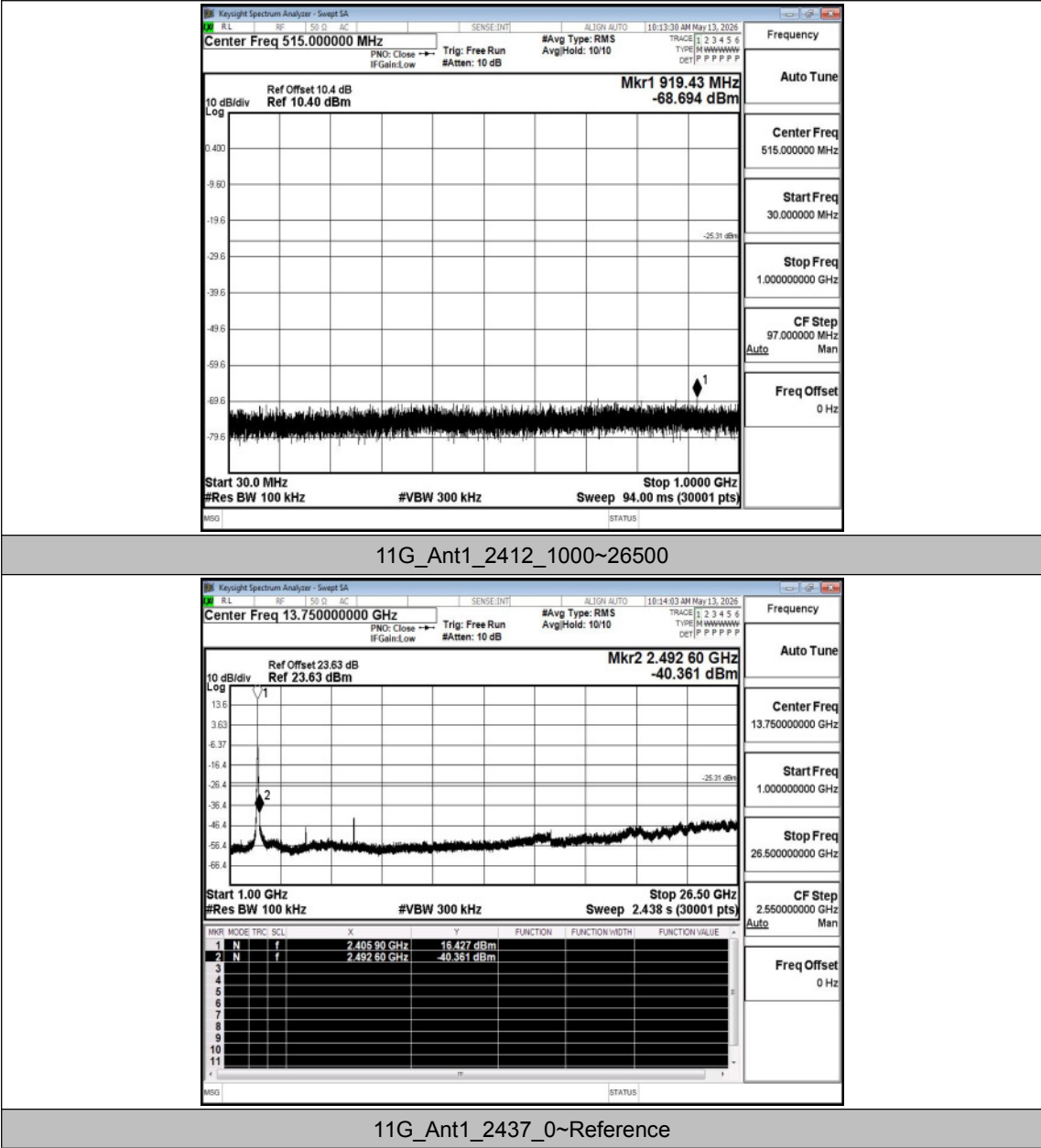


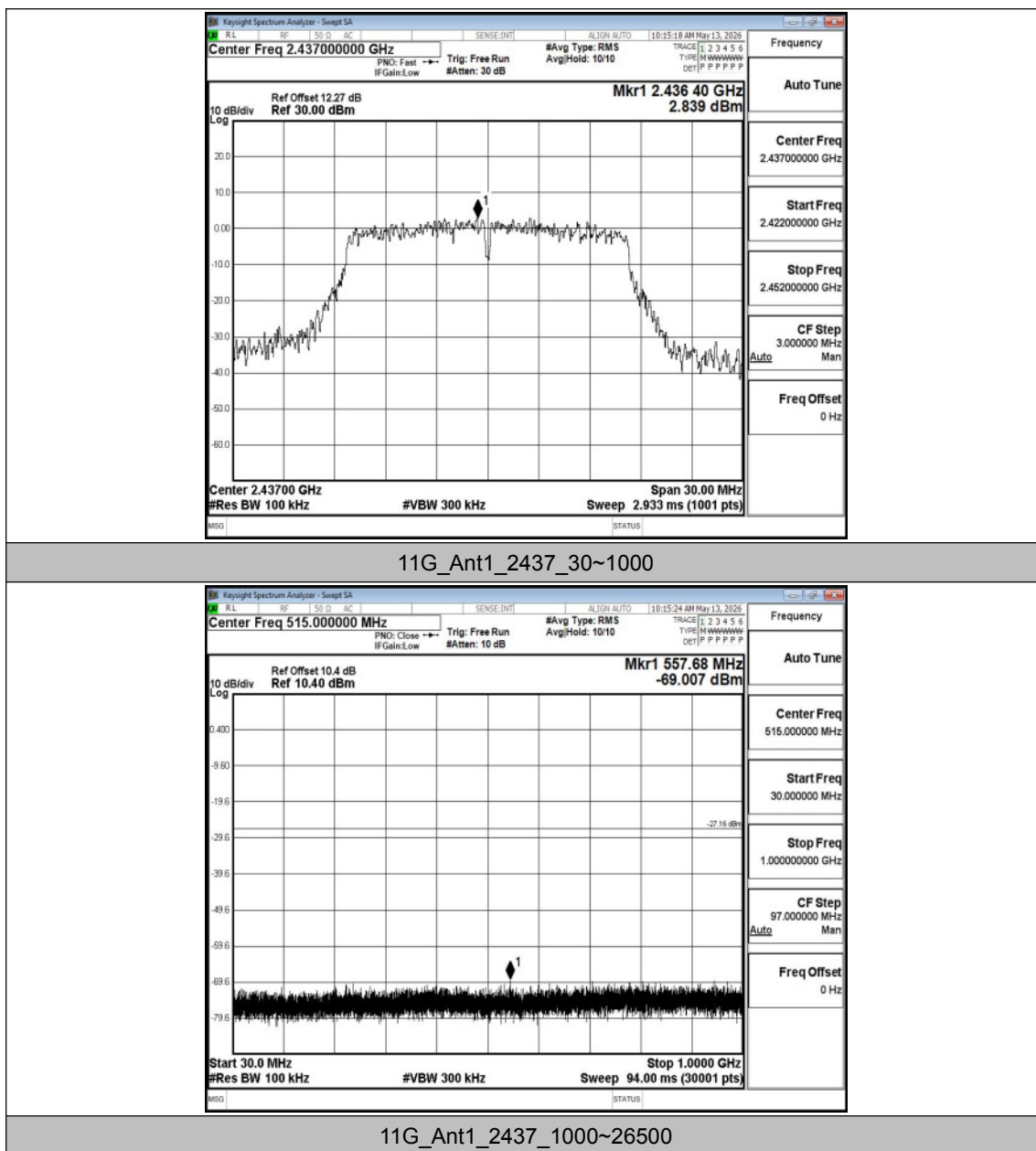


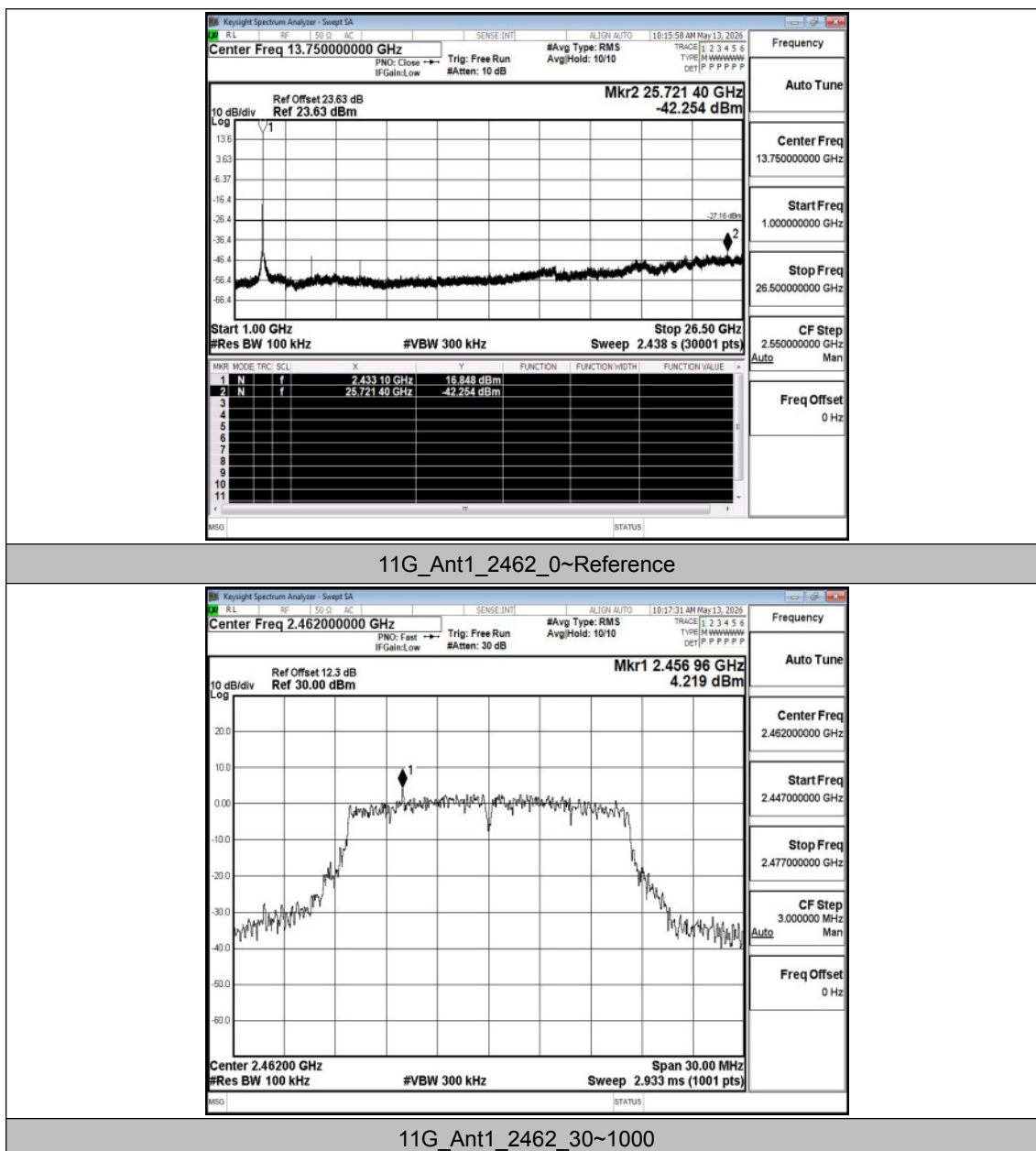


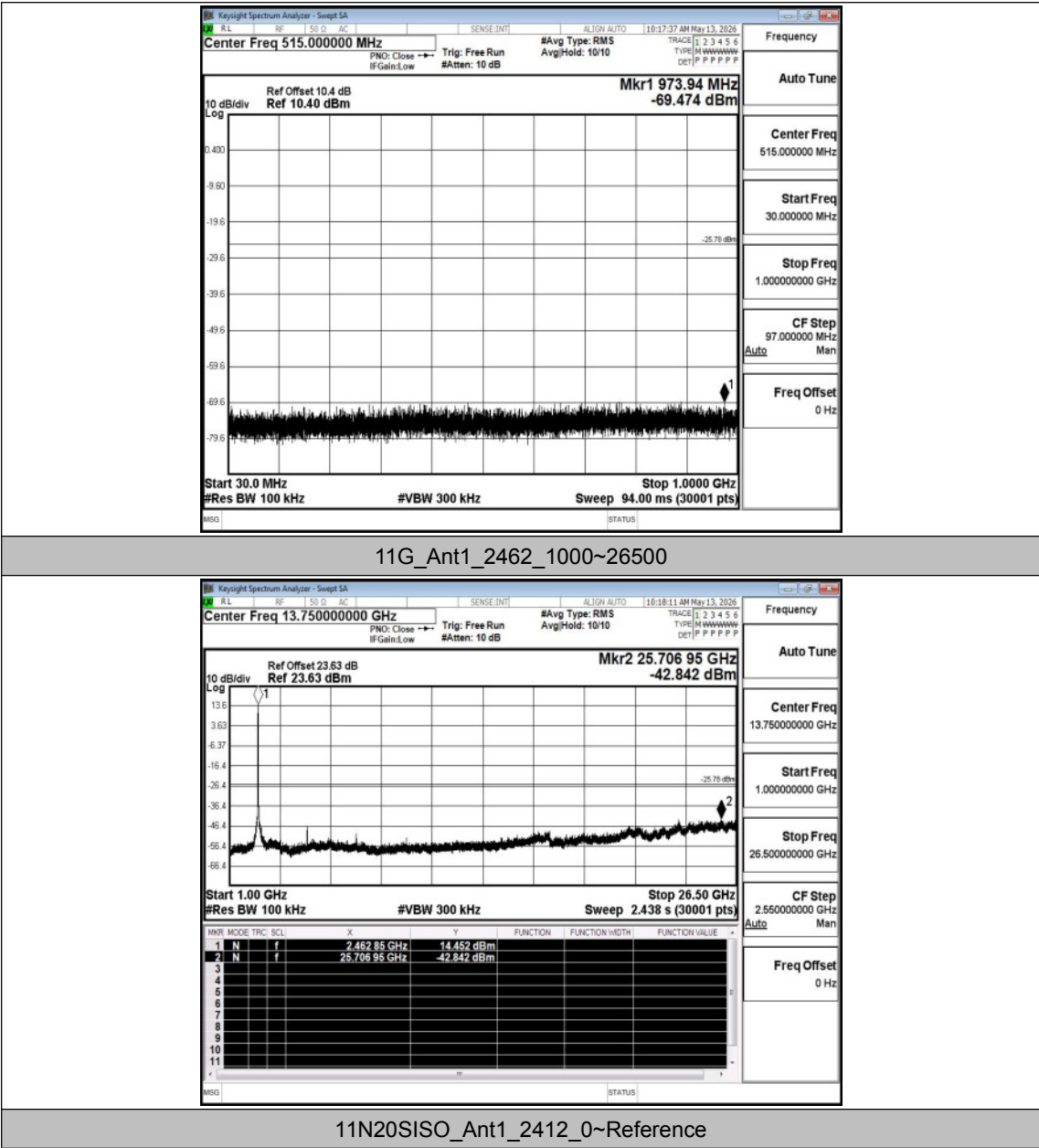


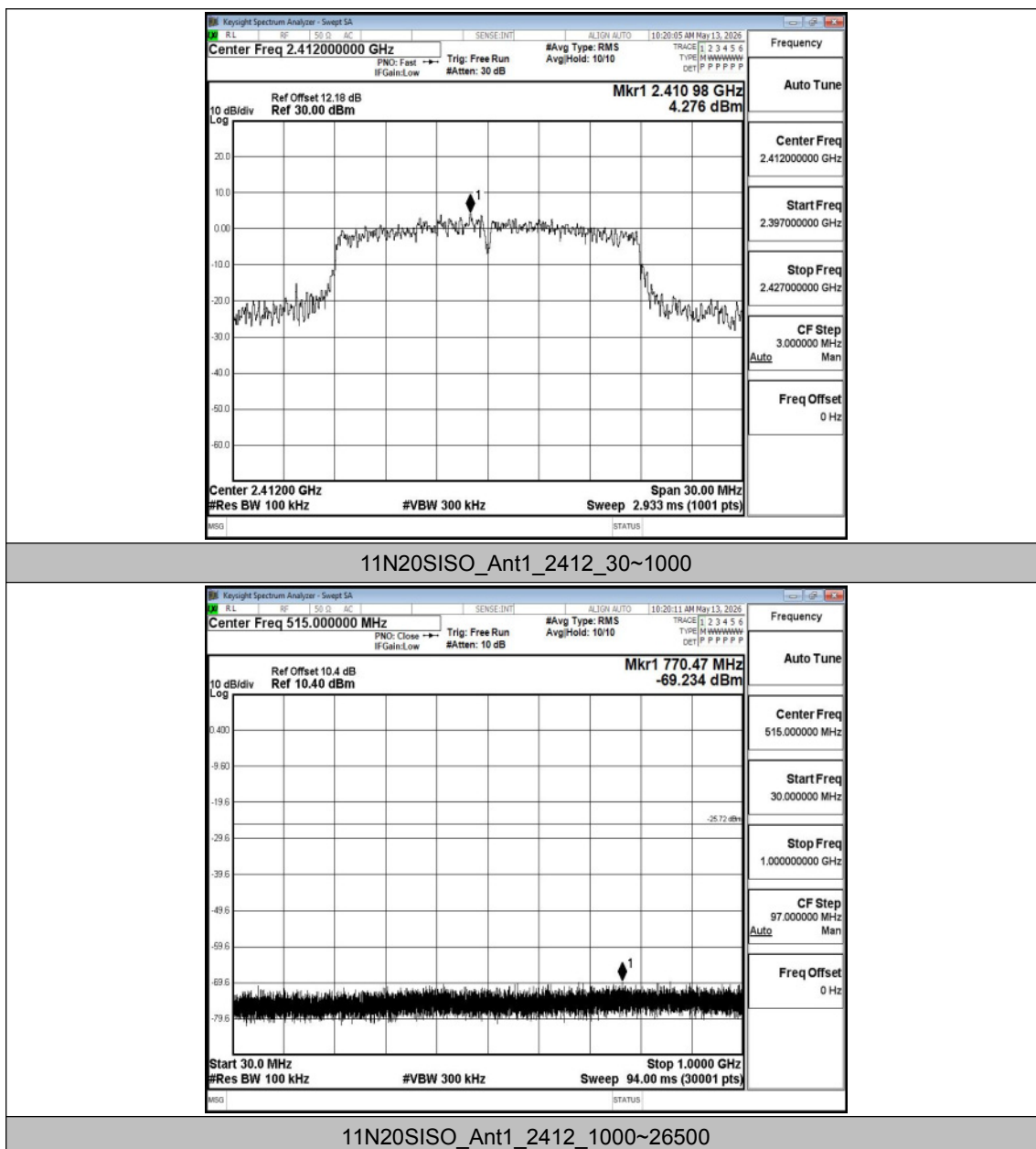


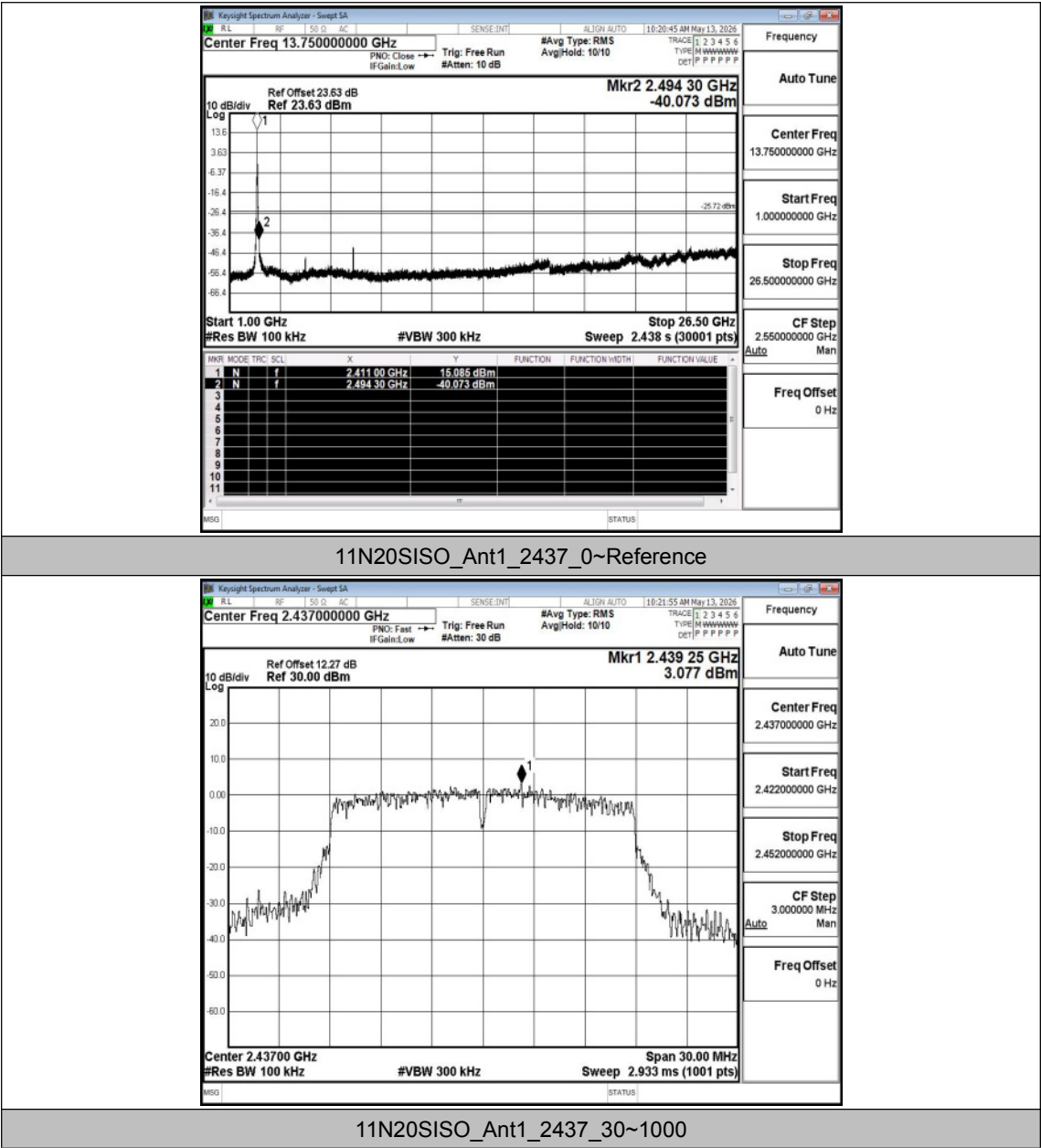


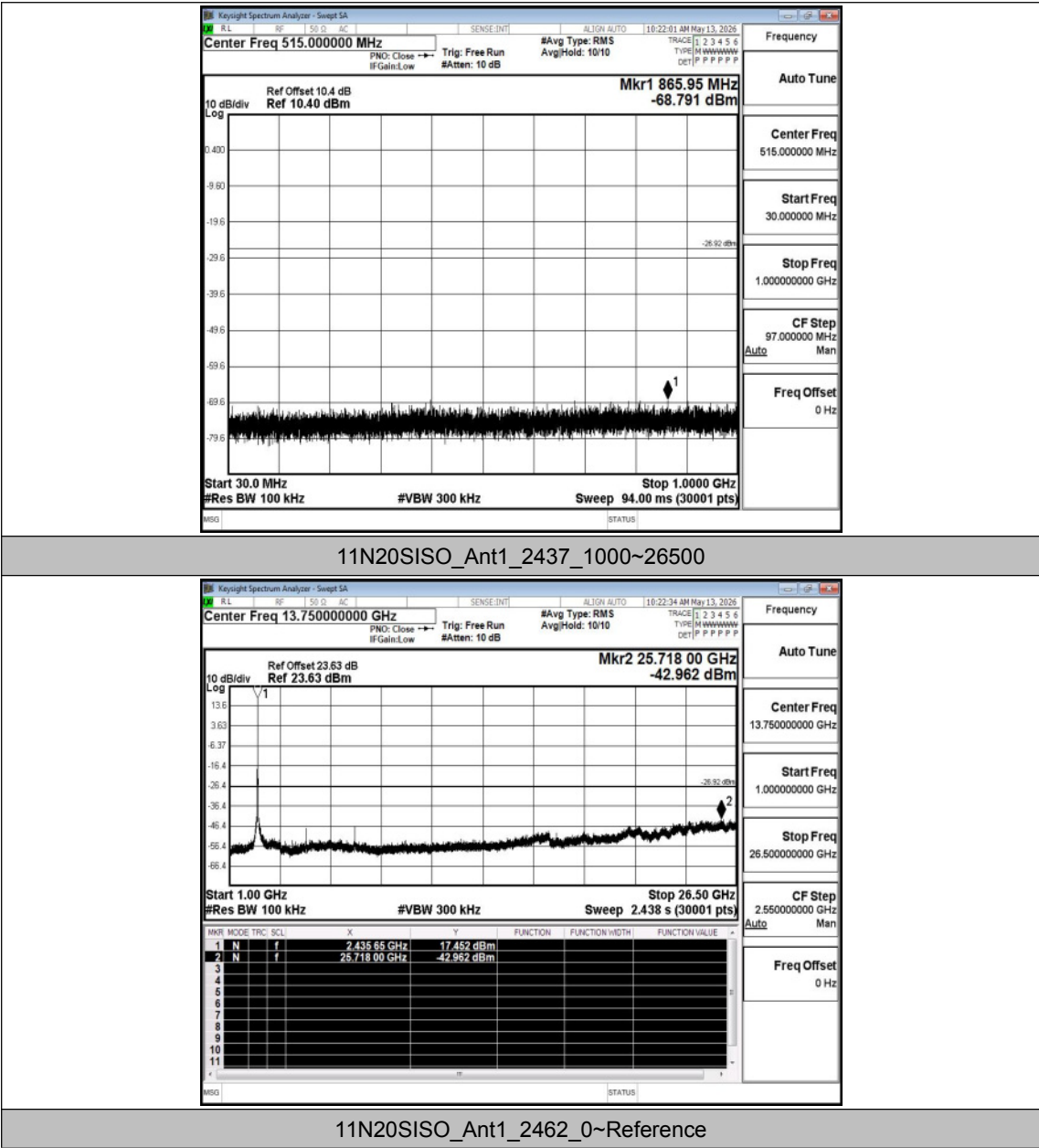


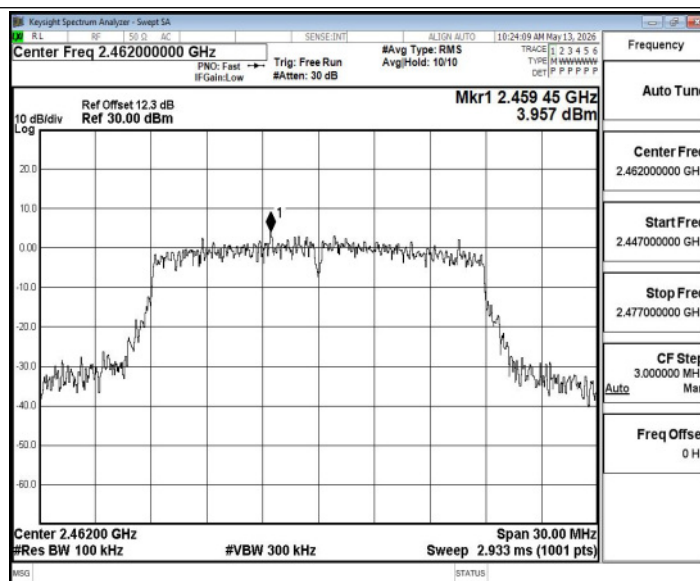




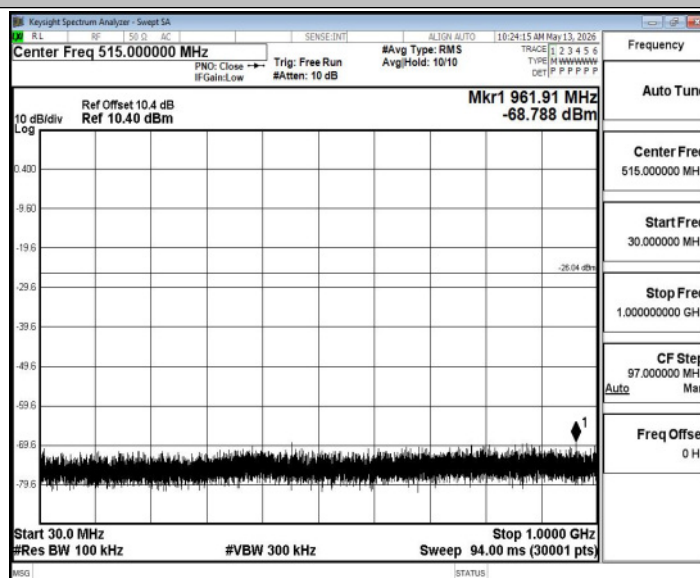








11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

