

Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: PicassoTab_ Z13

Test Model: PicassoTab_ Z13

Environmental Conditions

Temperature:	23.1°C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

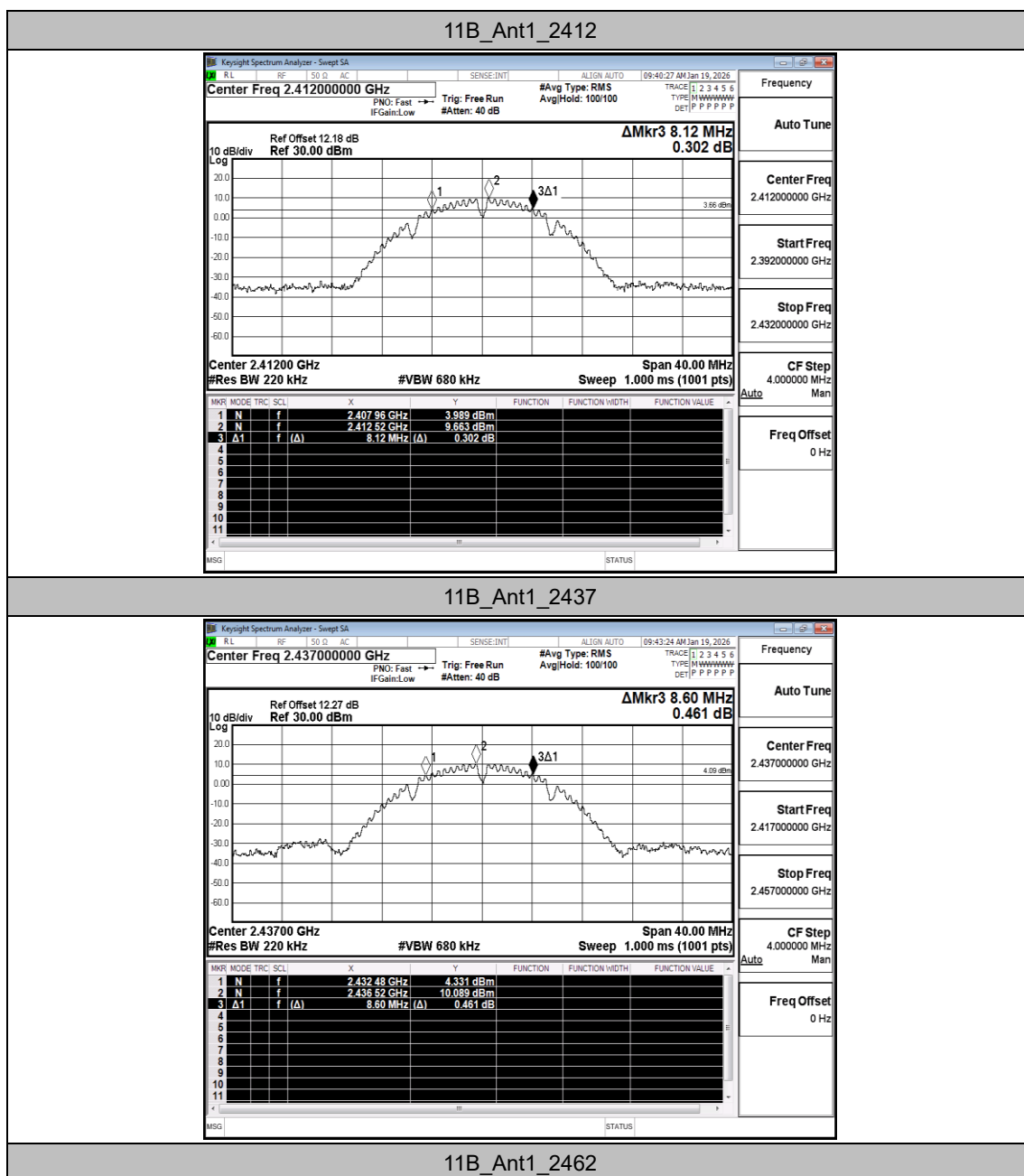
C.1 DTS Bandwidth

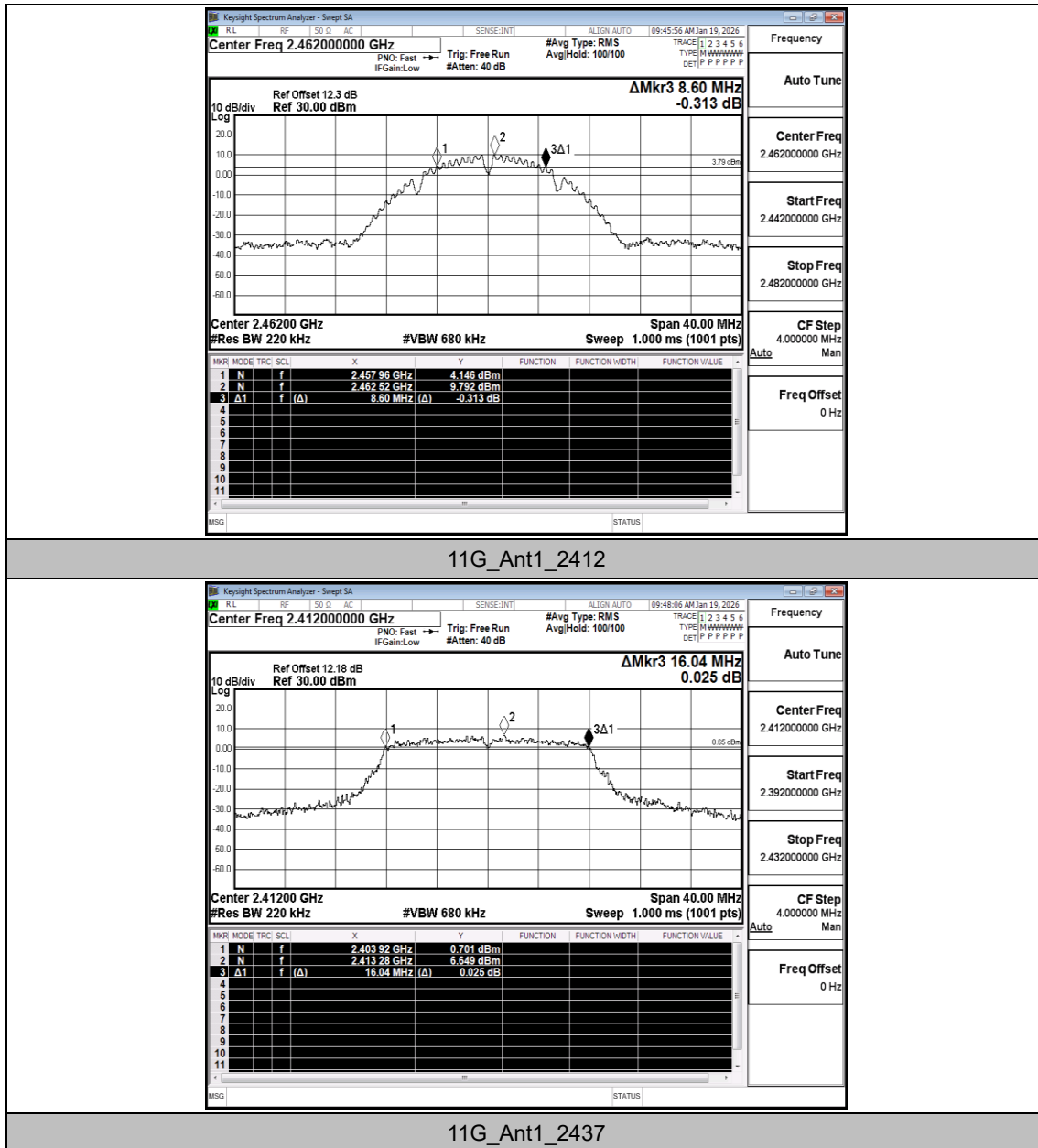
Test Result

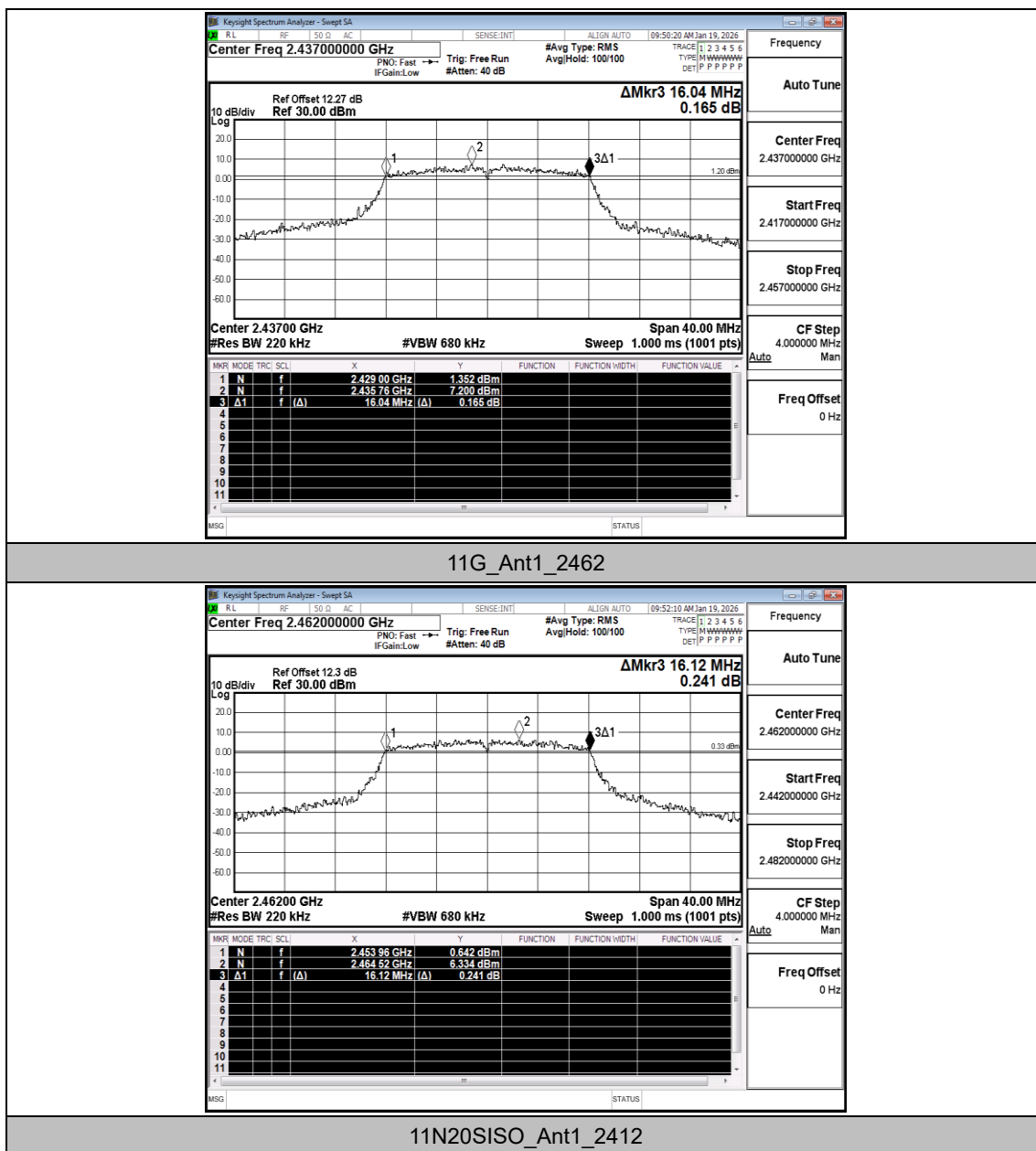
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	8.600	2432.480	2441.080	0.5	PASS
		2462	8.600	2457.960	2466.560	0.5	PASS
11G	Ant1	2412	16.040	2403.920	2419.960	0.5	PASS
		2437	16.040	2429.000	2445.040	0.5	PASS
		2462	16.120	2453.960	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.400	2403.280	2420.680	0.5	PASS
		2437	17.120	2428.480	2445.600	0.5	PASS
		2462	17.280	2453.400	2470.680	0.5	PASS
11N40SISO	Ant1	2422	34.400	2404.960	2439.360	0.5	PASS
		2437	36.000	2419.000	2455.000	0.5	PASS
		2452	36.160	2434.000	2470.160	0.5	PASS

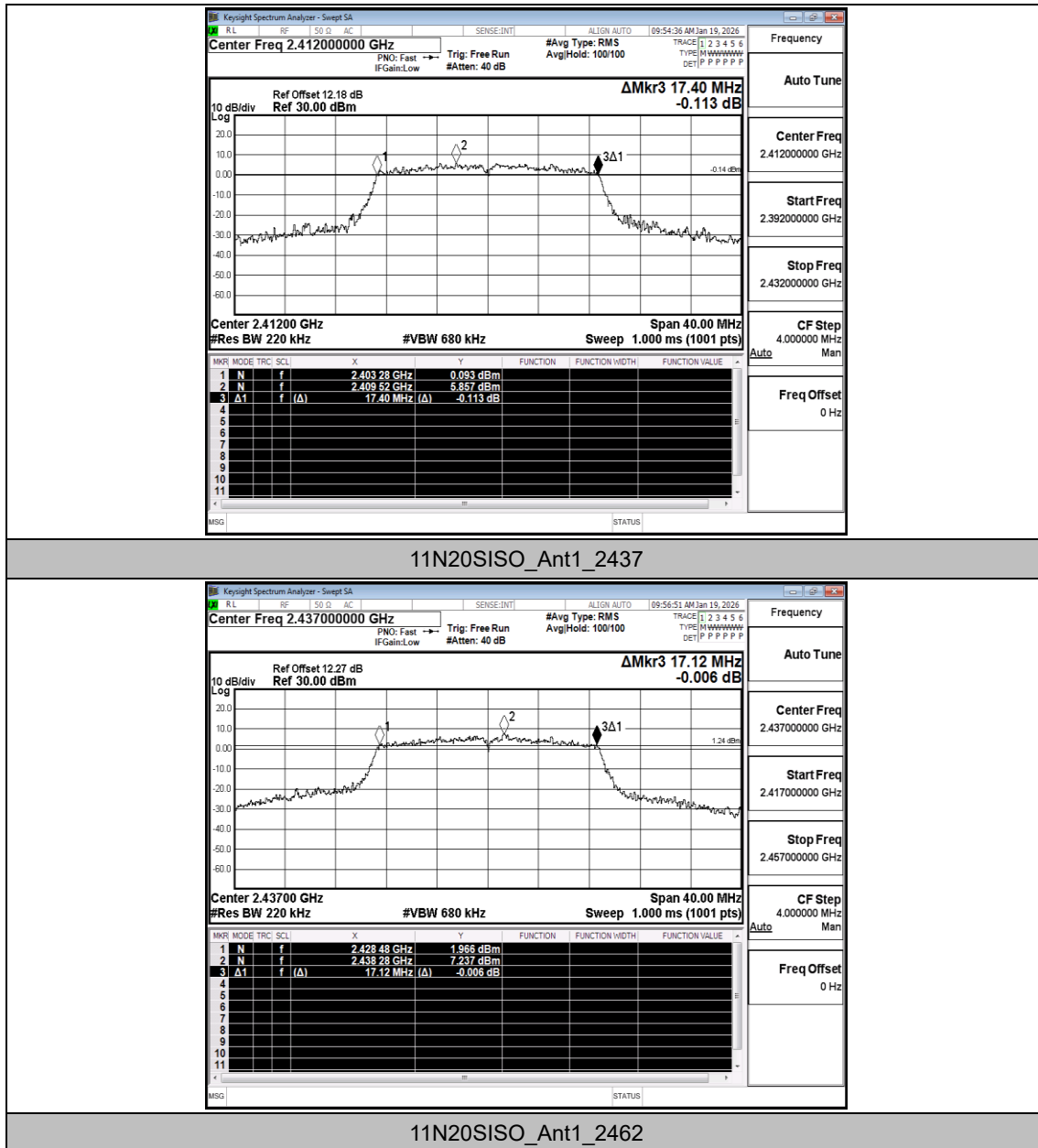
Note: offset=System attenuation +cabal loss

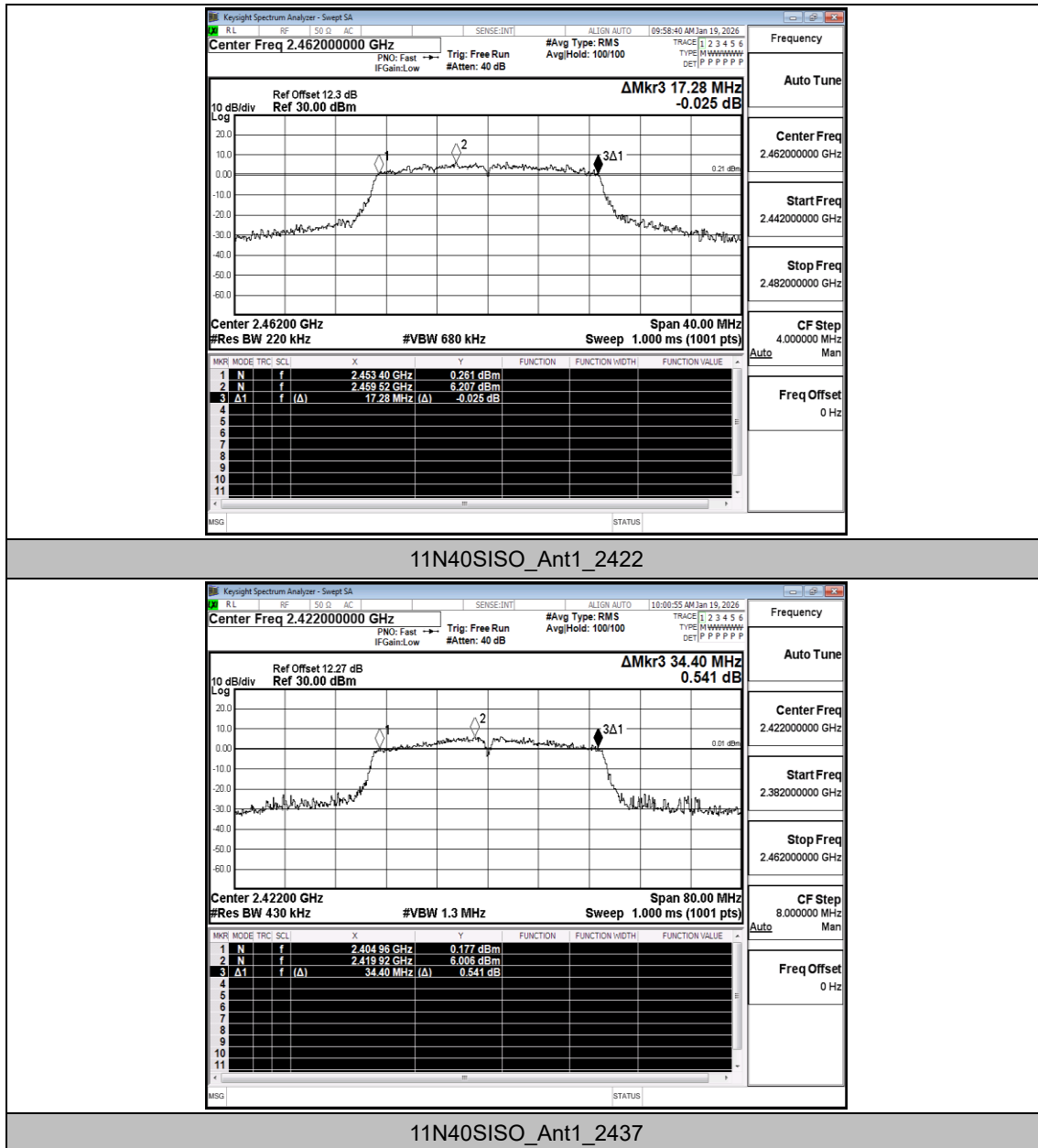
Test Graphs

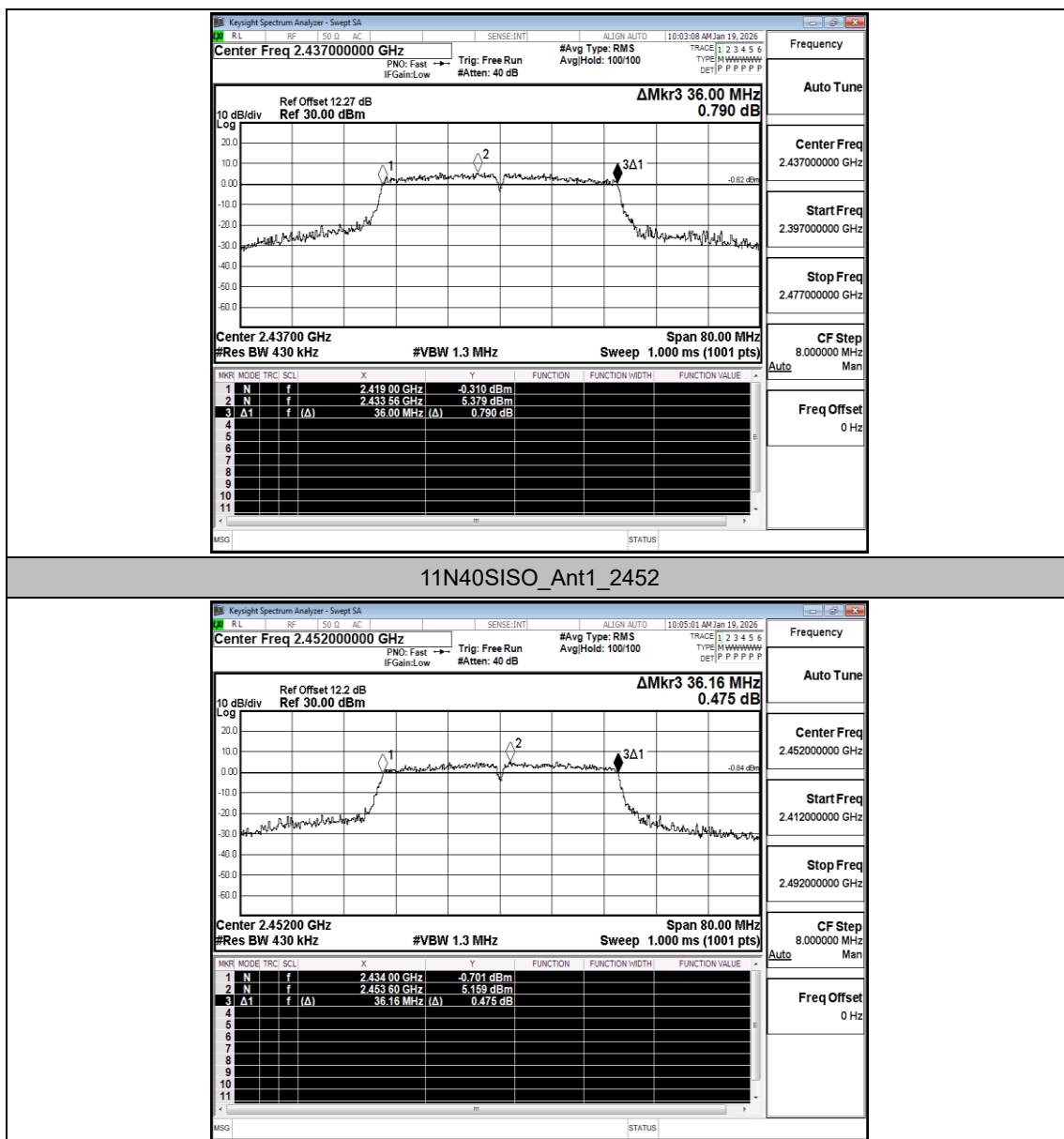












C.2 Maximum Average conducted output power

Test Result Average

TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	16.66	0.02	16.68	≤30.00	PASS
		2437	17.35	0.02	17.37	≤30.00	PASS
		2462	16.91	0.01	16.92	≤30.00	PASS
11G	Ant1	2412	15.63	0.12	15.75	≤30.00	PASS
		2437	16.28	0.12	16.40	≤30.00	PASS
		2462	15.73	0.09	15.82	≤30.00	PASS
11N20SISO	Ant1	2412	15.60	0.10	15.70	≤30.00	PASS
		2437	16.25	0.13	16.38	≤30.00	PASS
		2462	15.70	0.13	15.83	≤30.00	PASS
11N40SISO	Ant1	2422	15.08	0.26	15.34	≤30.00	PASS
		2437	15.16	0.20	15.36	≤30.00	PASS
		2452	14.96	0.26	15.22	≤30.00	PASS

Note: offset=System attenuation +cabal loss

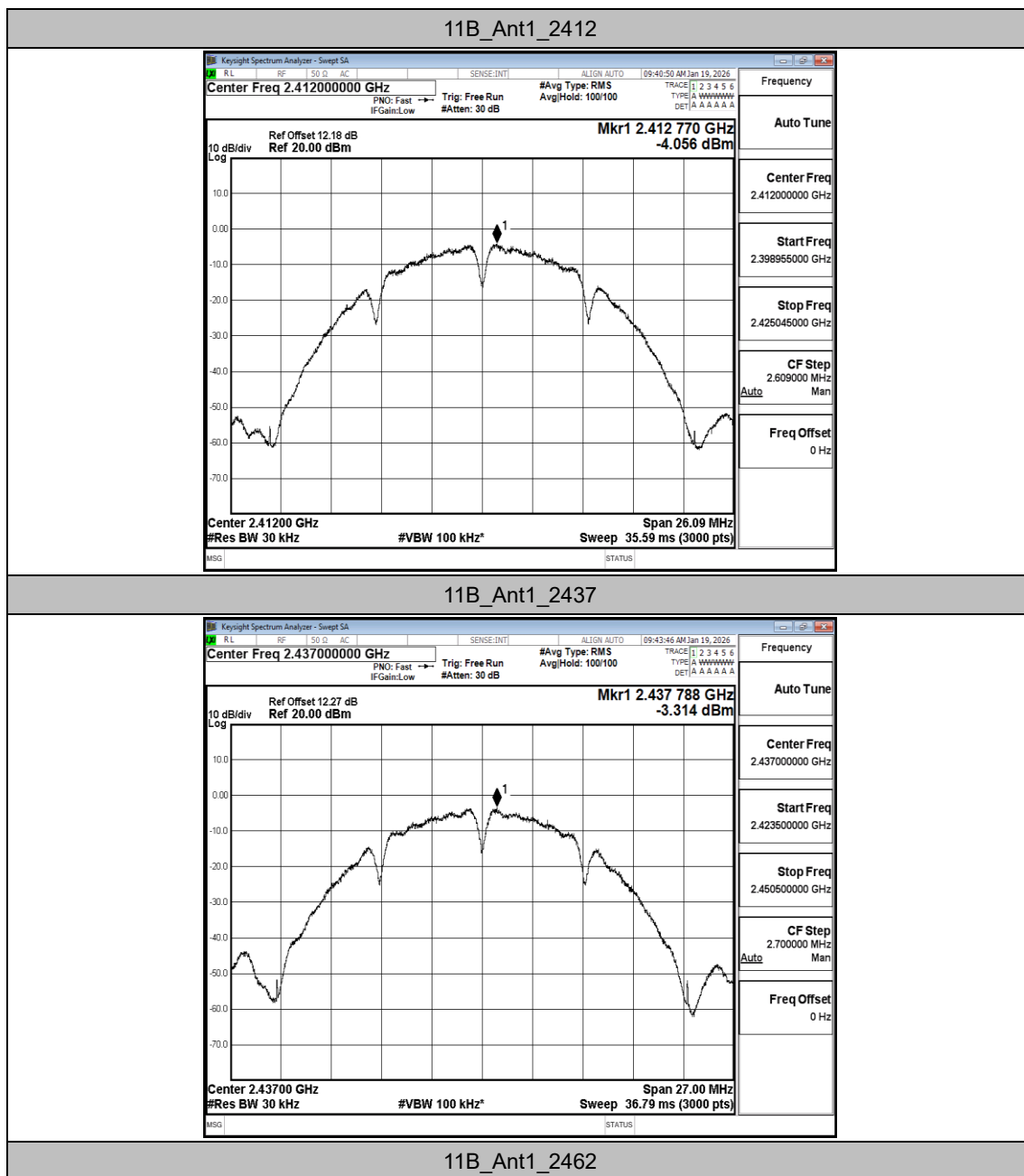
C.3 Maximum power spectral density

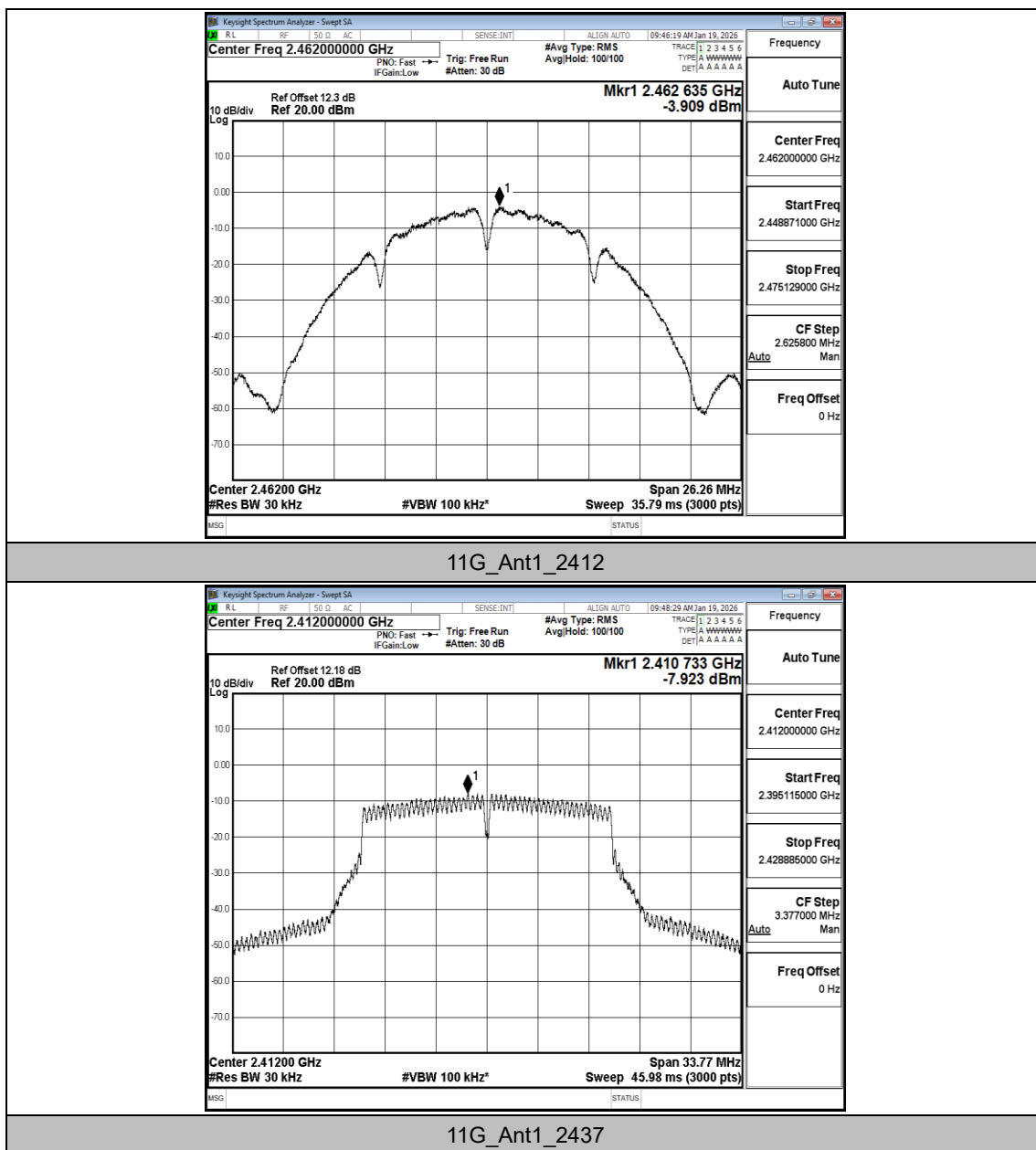
Test Result

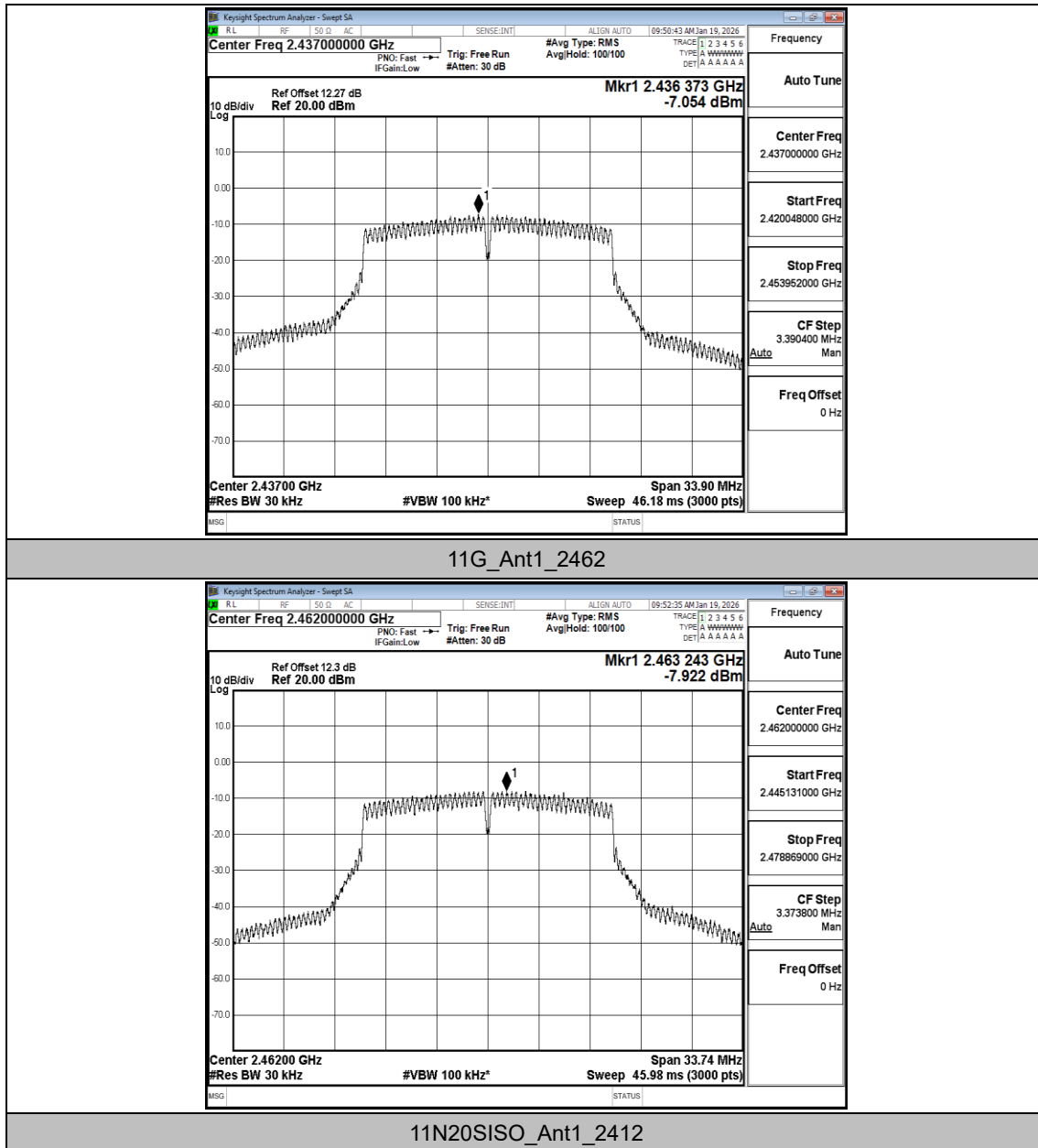
TestMode	Antenna	Frequency [MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.06	0.02	-4.04	≤8.00	PASS
		2437	-3.31	0.02	-3.29	≤8.00	PASS
		2462	-3.91	0.01	-3.90	≤8.00	PASS
11G	Ant1	2412	-7.92	0.12	-7.80	≤8.00	PASS
		2437	-7.05	0.12	-6.93	≤8.00	PASS
		2462	-7.92	0.09	-7.83	≤8.00	PASS
11N20SISO	Ant1	2412	-7.78	0.10	-7.68	≤8.00	PASS
		2437	-7.72	0.13	-7.59	≤8.00	PASS
		2462	-7.99	0.13	-7.86	≤8.00	PASS
11N40SISO	Ant1	2422	-10.98	0.26	-10.72	≤8.00	PASS
		2437	-11.36	0.20	-11.16	≤8.00	PASS
		2452	-12.12	0.26	-11.86	≤8.00	PASS

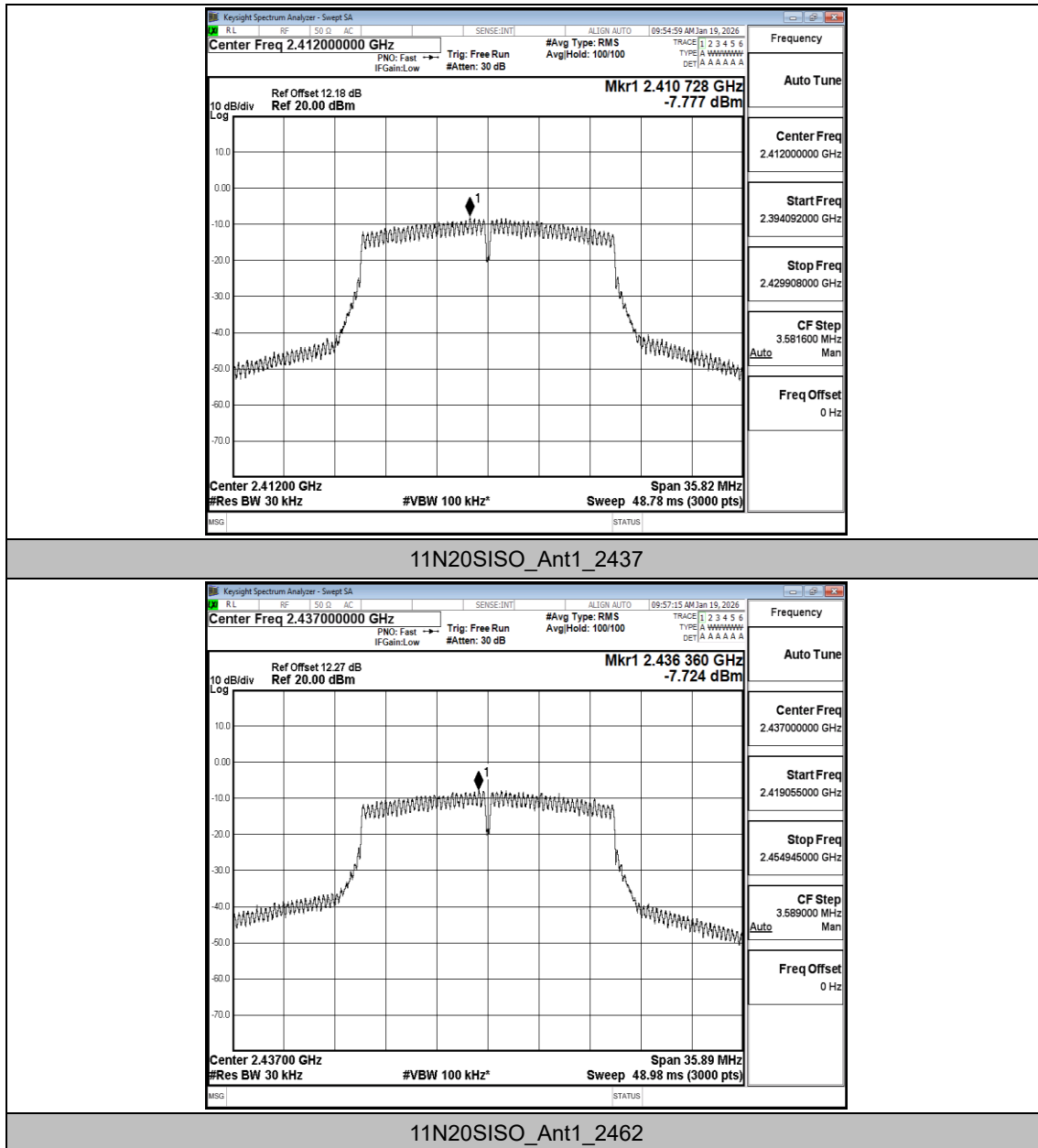
Note: offset=System attenuation +cabel loss

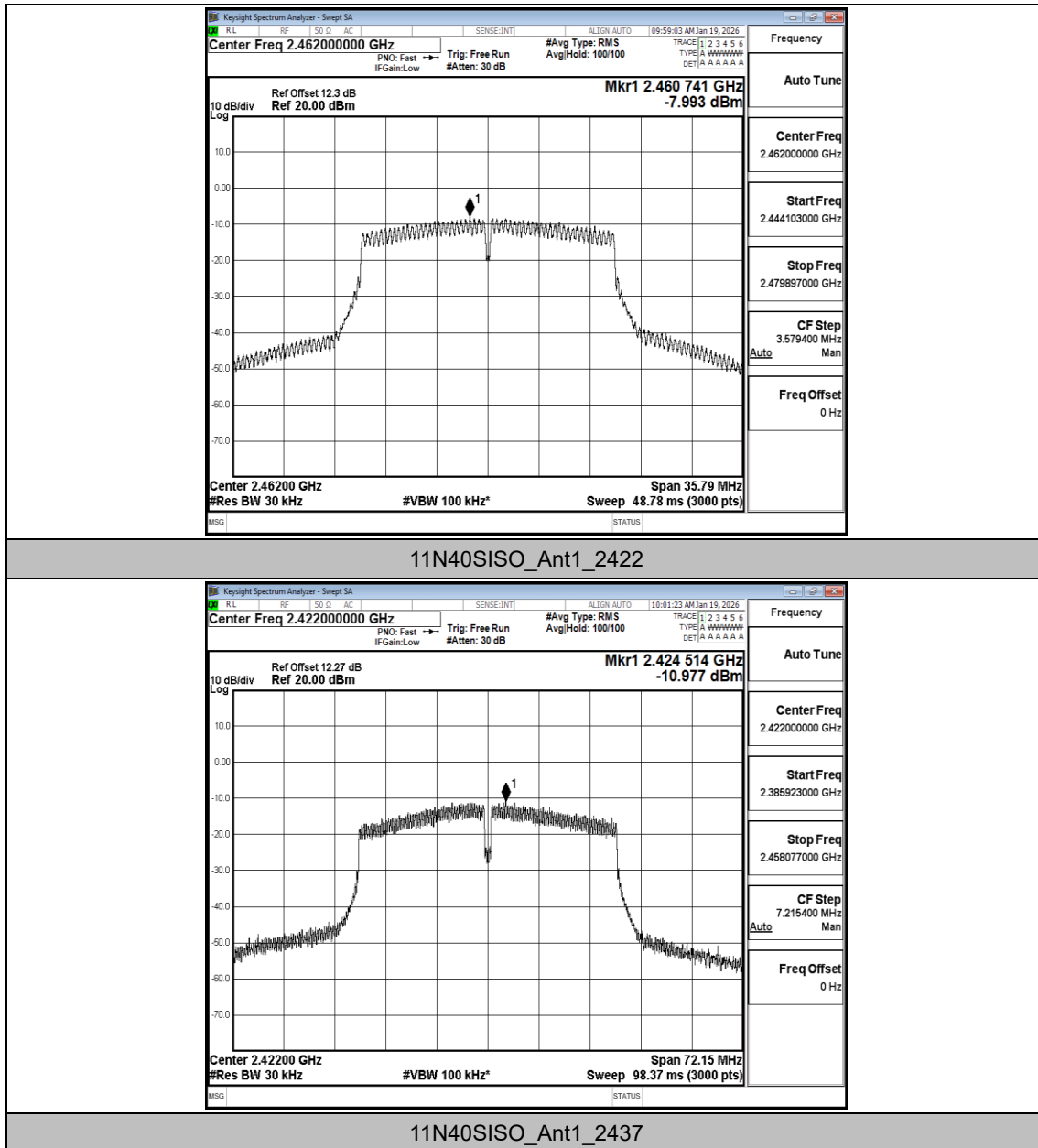
Test Graphs

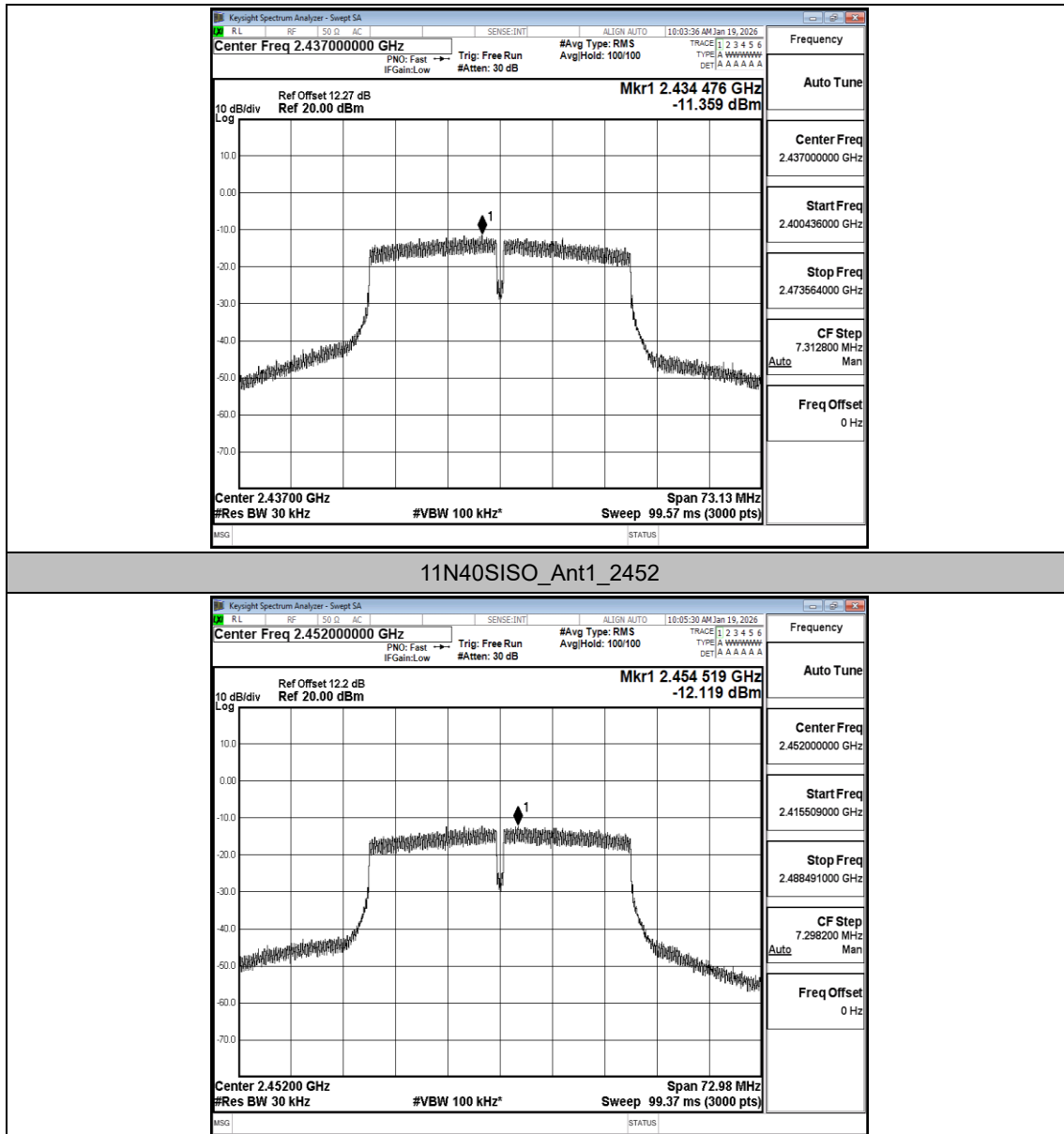










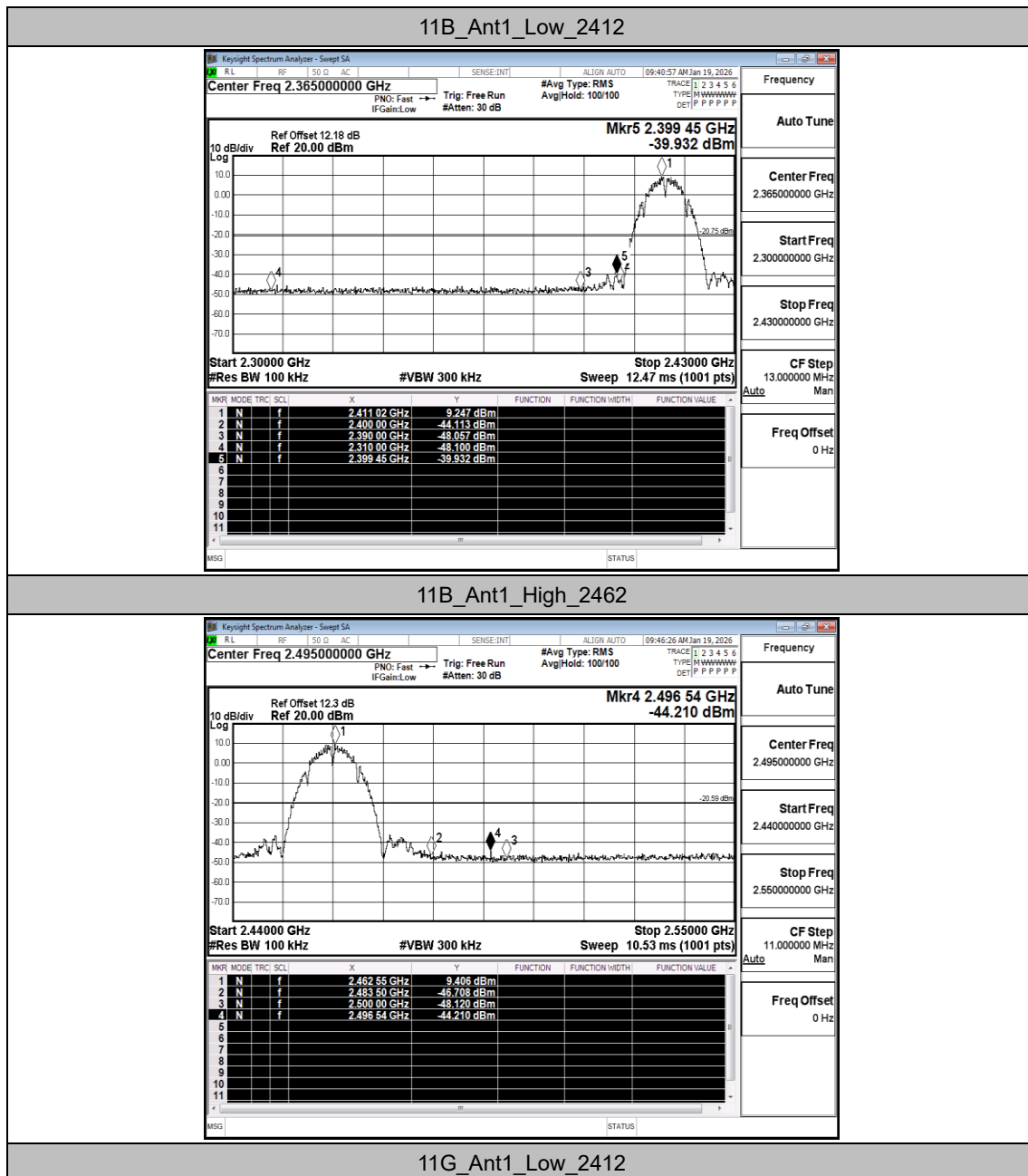


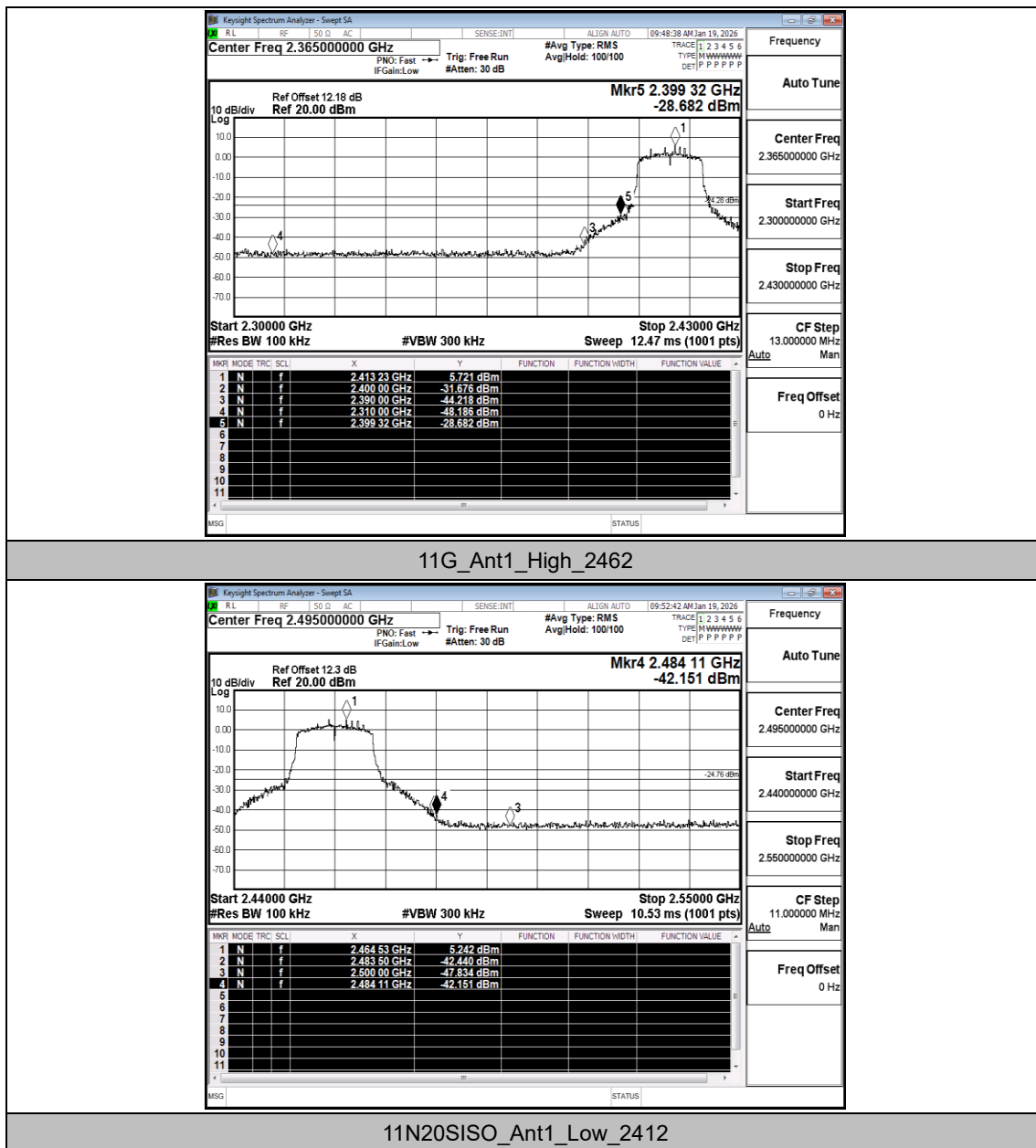
C.4 Band edge measurements

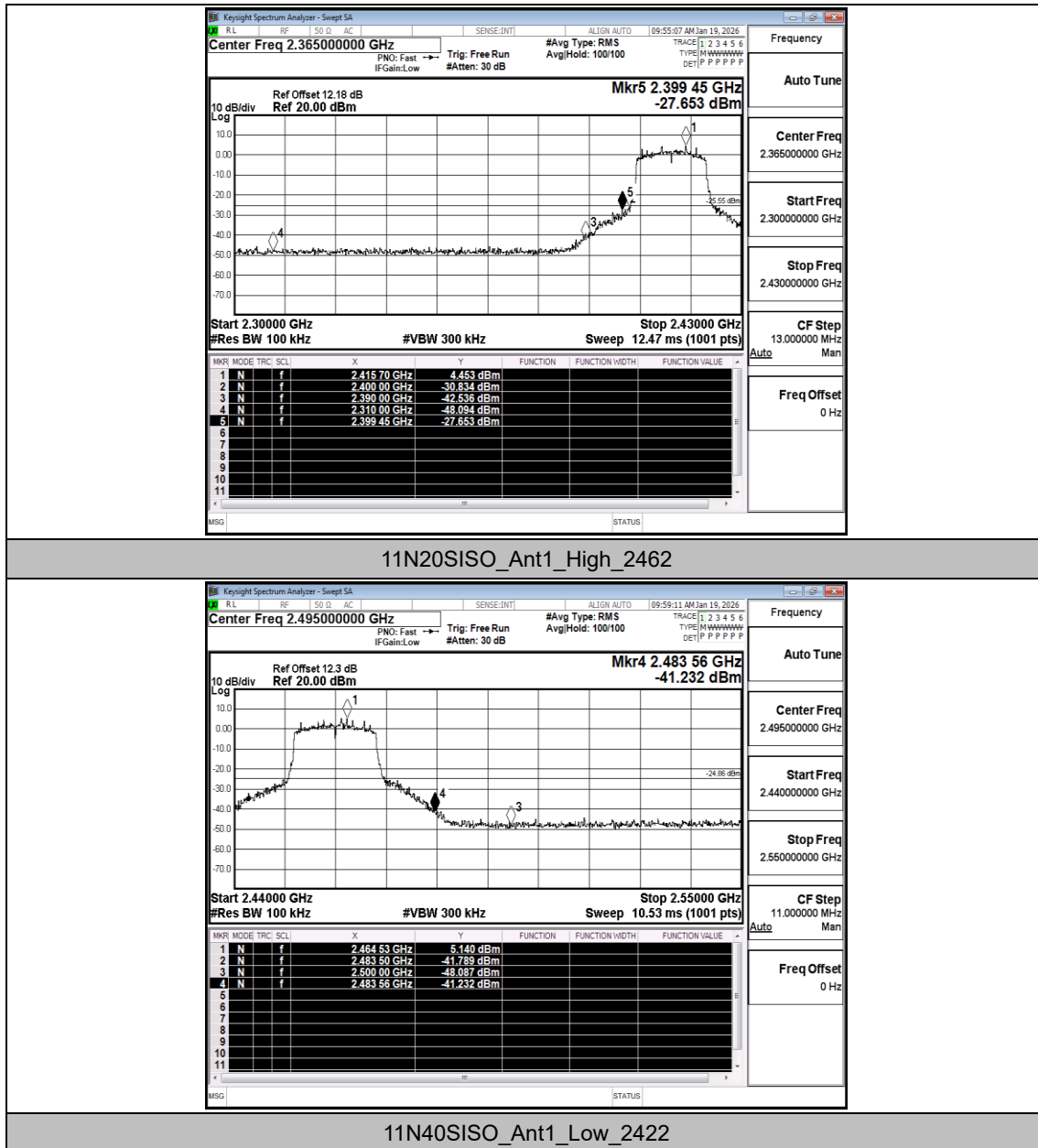
Test Result

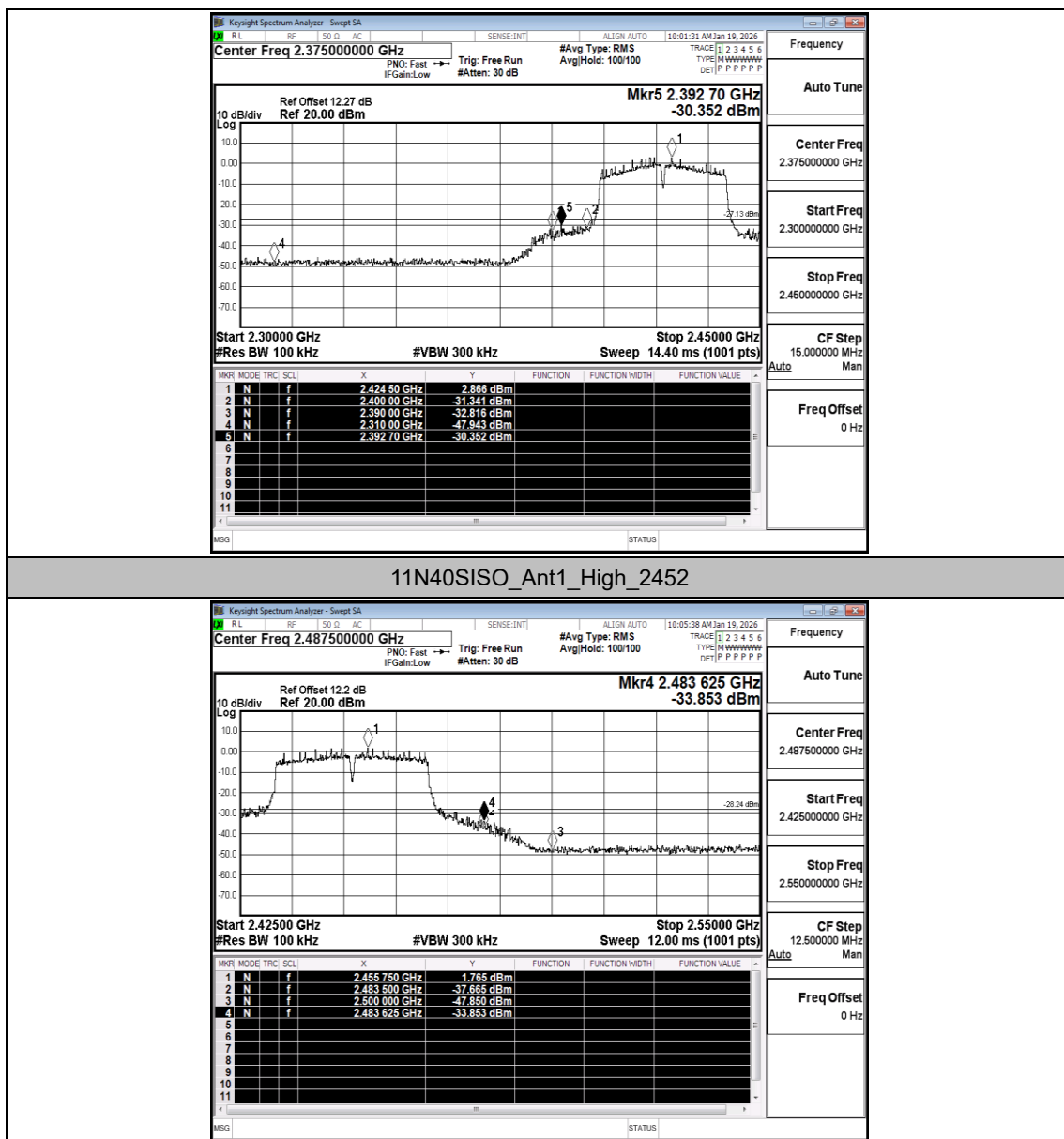
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.25	-39.93	≤-20.75	PASS
		High	2462	9.41	-44.21	≤-20.59	PASS
11G	Ant1	Low	2412	5.72	-28.68	≤-24.28	PASS
		High	2462	5.24	-42.15	≤-24.76	PASS
11N20SISO	Ant1	Low	2412	4.45	-27.65	≤-25.55	PASS
		High	2462	5.14	-41.23	≤-24.86	PASS
11N40SISO	Ant1	Low	2422	2.87	-30.35	≤-27.13	PASS
		High	2452	1.77	-33.85	≤-28.24	PASS

Test Graphs









C.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.10	8.10	---	PASS
			30~1000	8.10	-66.33	≤-21.9	PASS
			1000~26500	8.10	-46.71	≤-21.9	PASS
		2437	Reference	7.46	7.46	---	PASS
			30~1000	7.46	-66.76	≤-22.54	PASS
			1000~26500	7.46	-44.1	≤-22.54	PASS
		2462	Reference	8.17	8.17	---	PASS
			30~1000	8.17	-67.14	≤-21.83	PASS
			1000~26500	8.17	-44.54	≤-21.83	PASS
11G	Ant1	2412	Reference	2.58	2.58	---	PASS
			30~1000	2.58	-66.34	≤-27.42	PASS
			1000~26500	2.58	-54.35	≤-27.42	PASS
		2437	Reference	5.86	5.86	---	PASS
			30~1000	5.86	-66.73	≤-24.14	PASS
			1000~26500	5.86	-54.53	≤-24.14	PASS
		2462	Reference	2.78	2.78	---	PASS
			30~1000	2.78	-66.93	≤-27.22	PASS
			1000~26500	2.78	-54.79	≤-27.22	PASS
11N20SISO	Ant1	2412	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-67.06	≤-28.81	PASS
			1000~26500	1.19	-54.95	≤-28.81	PASS
		2437	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-66.71	≤-27.63	PASS
			1000~26500	2.37	-53.95	≤-27.63	PASS
		2462	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-66.74	≤-26.45	PASS
			1000~26500	3.55	-54.77	≤-26.45	PASS
11N40SISO	Ant1	2422	Reference	1.45	1.45	---	PASS
			30~1000	1.45	-66.56	≤-28.55	PASS
			1000~26500	1.45	-54.49	≤-28.55	PASS
		2437	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-66.02	≤-27.99	PASS
			1000~26500	2.01	-54.57	≤-27.99	PASS
		2452	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-66.76	≤-28.87	PASS
			1000~26500	1.13	-54.94	≤-28.87	PASS

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

Test Graphs

