

Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Portable Wireless Display Monitor

Test Model: MVQ30106GW

Environmental Conditions

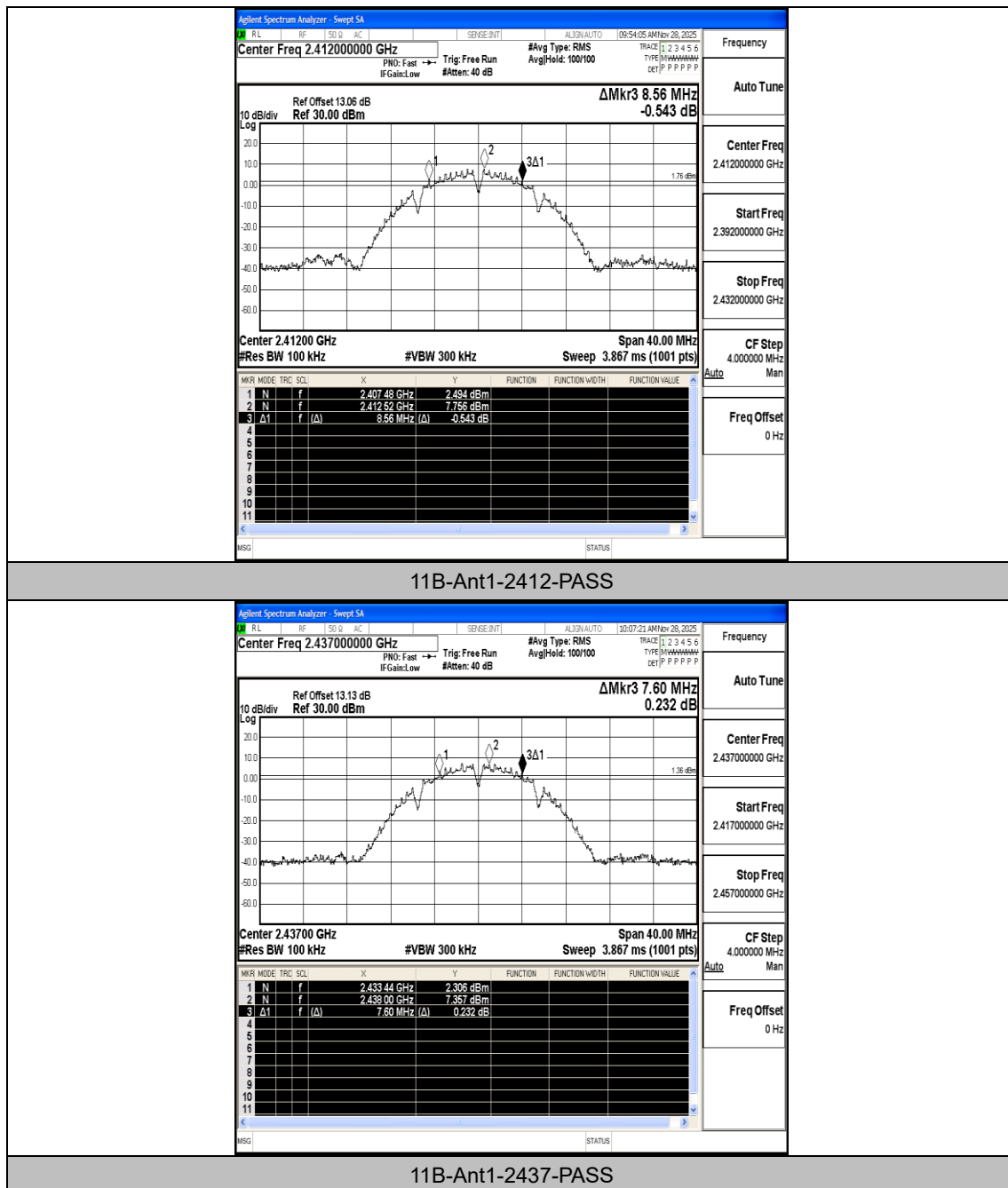
Temperature:	23.3°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Yongzhou Huang
Supervised by:	Fengliu Tang

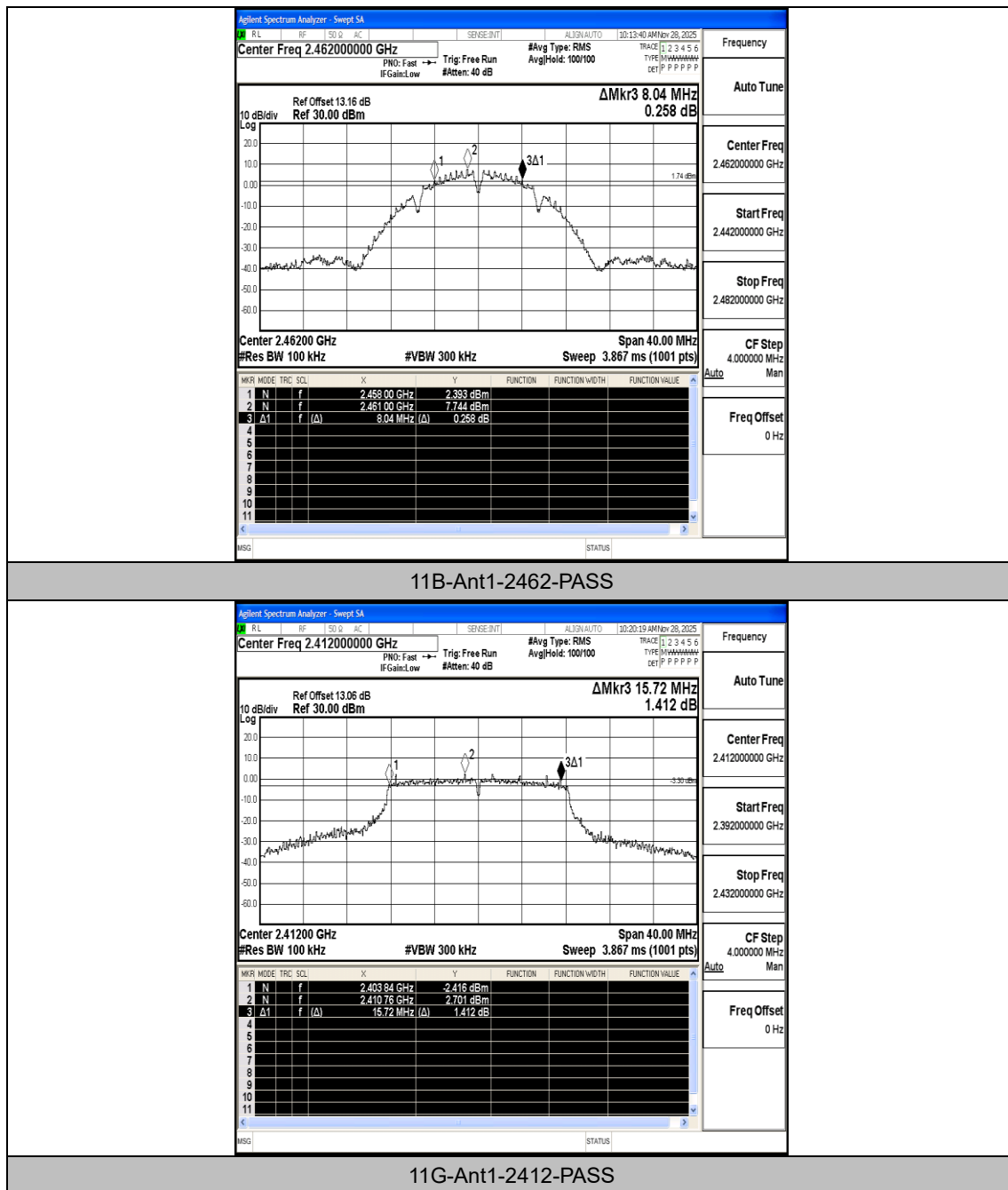
C.1 6dB Bandwidth

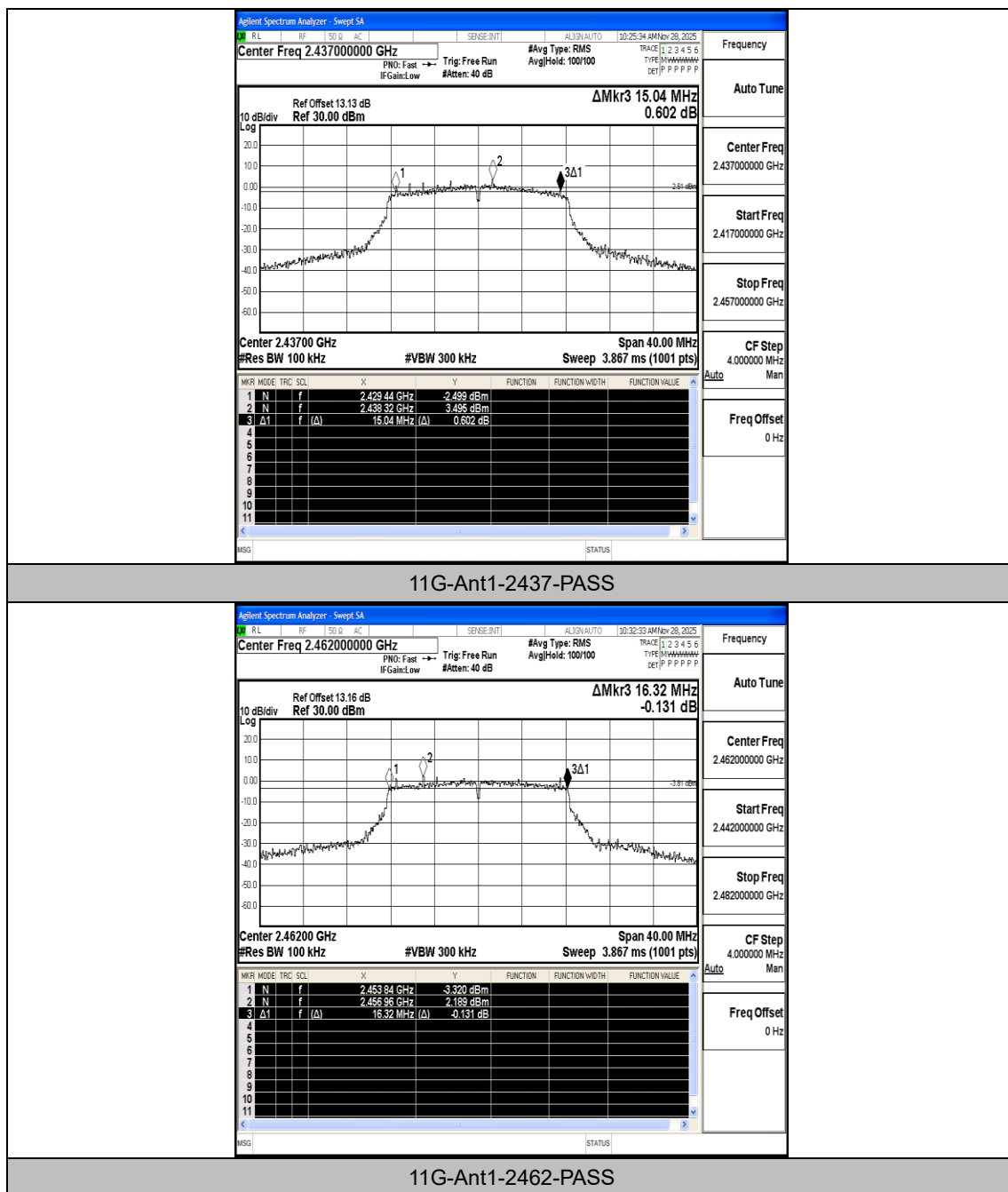
Test Result

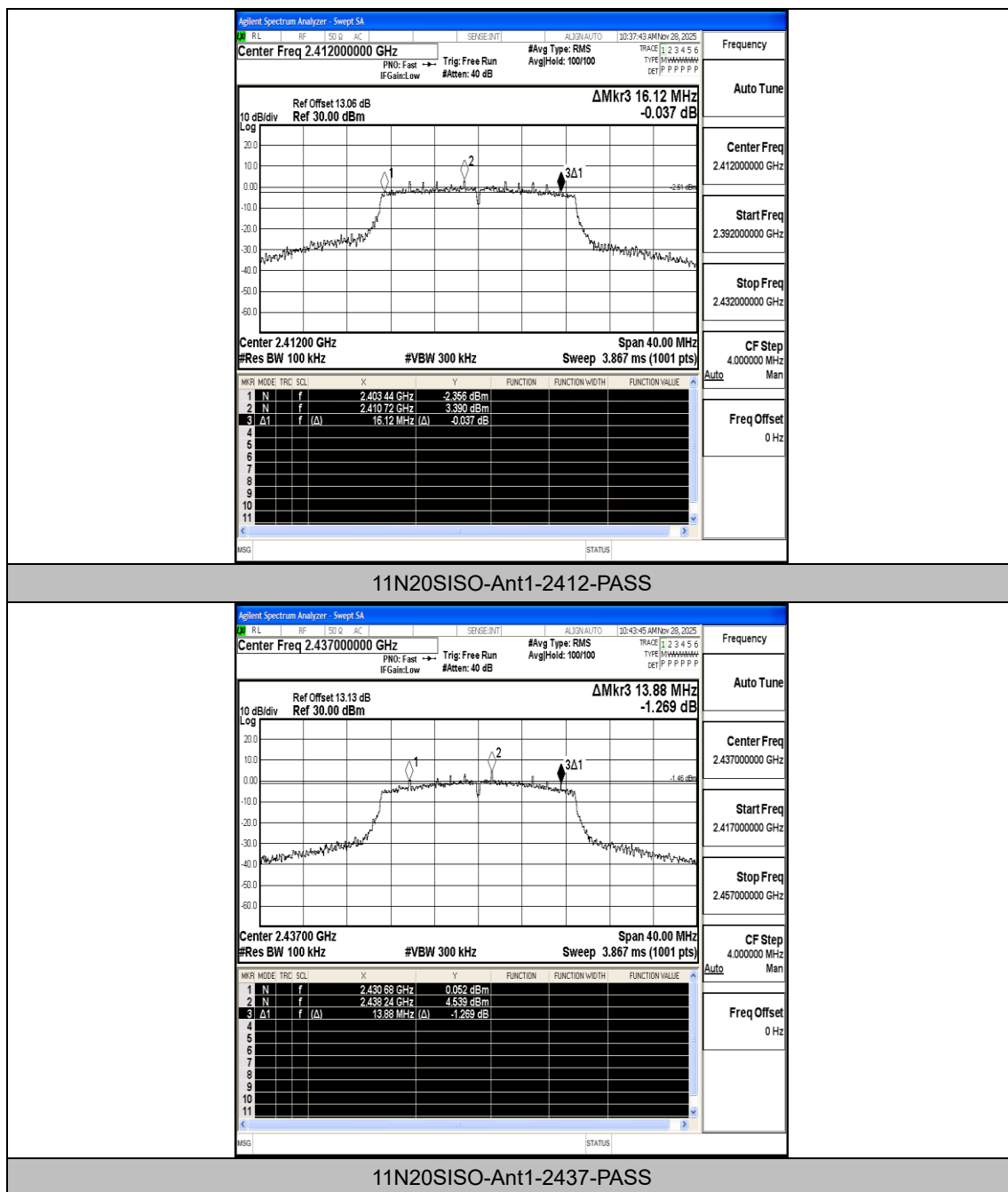
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.560	2407.480	2416.040	0.5	PASS
11B	Ant1	2437	7.600	2433.440	2441.040	0.5	PASS
11B	Ant1	2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	15.720	2403.840	2419.560	0.5	PASS
11G	Ant1	2437	15.040	2429.440	2444.480	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.120	2403.440	2419.560	0.5	PASS
11N20SISO	Ant1	2437	13.880	2430.680	2444.560	0.5	PASS
11N20SISO	Ant1	2462	16.880	2453.880	2470.760	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.480	2439.760	0.5	PASS
11N40SISO	Ant1	2437	32.560	2419.480	2452.040	0.5	PASS
11N40SISO	Ant1	2452	35.040	2434.480	2469.520	0.5	PASS

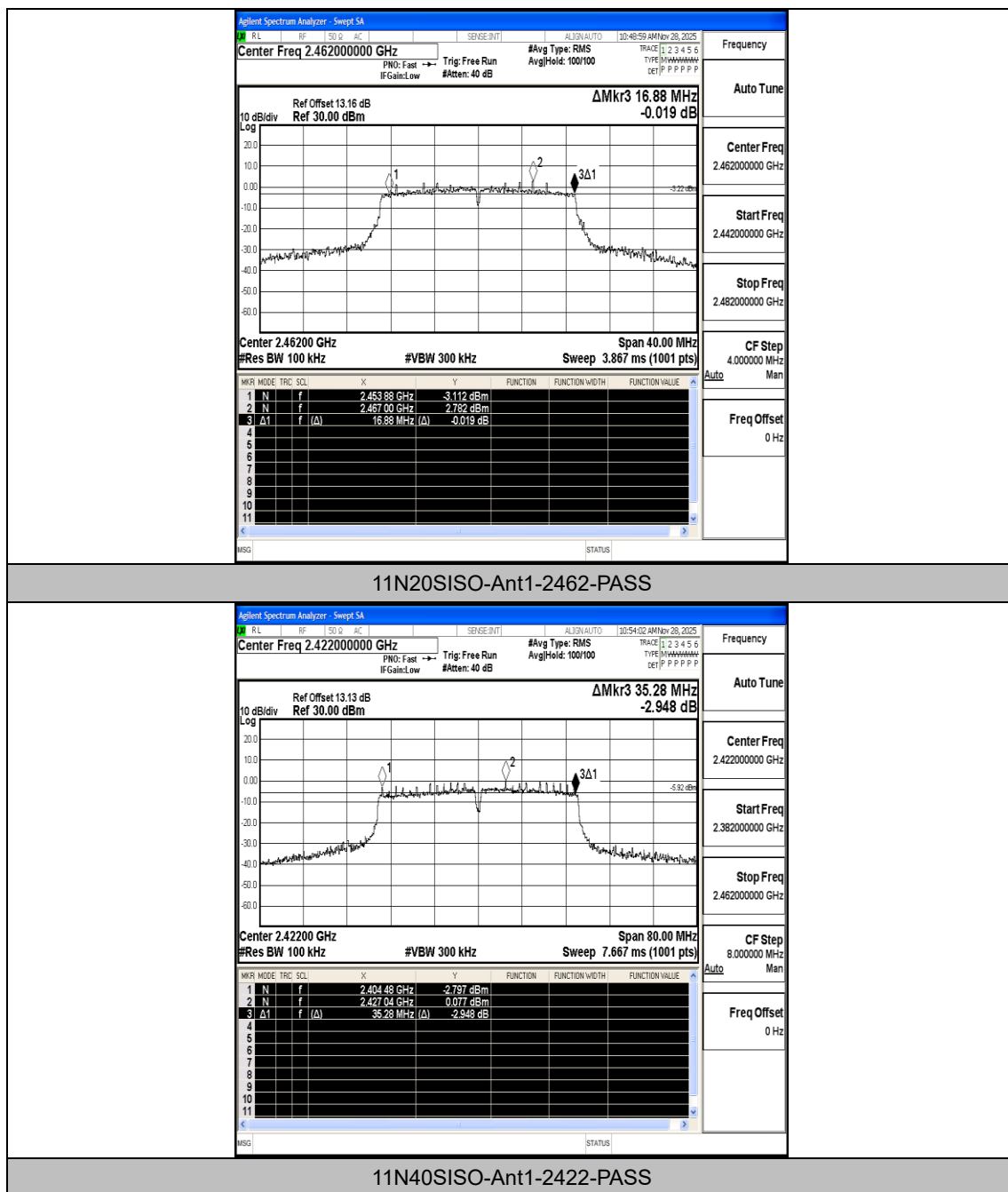
Test Graphs

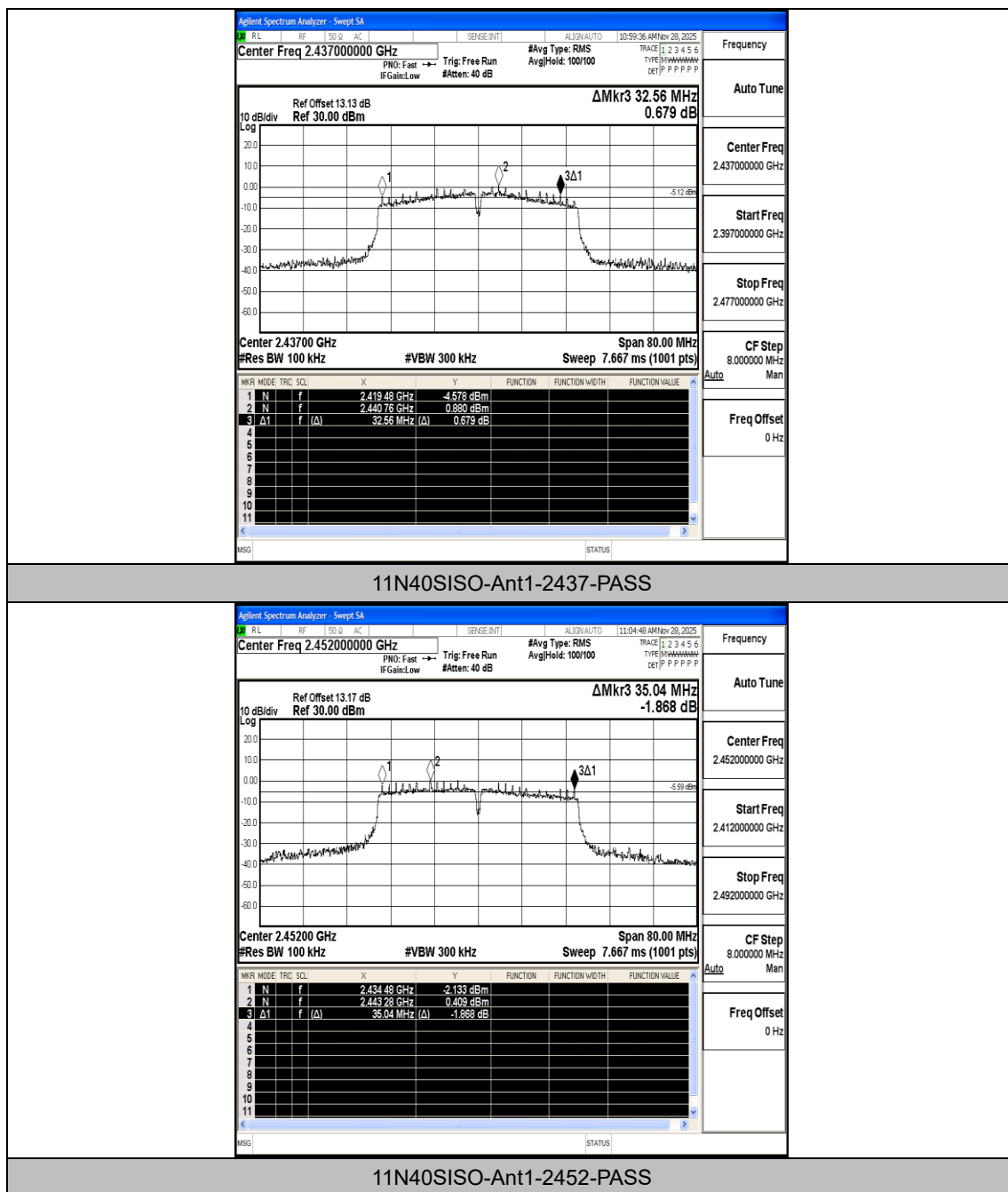












C.2 Maximum Peak conducted output power

Test Result

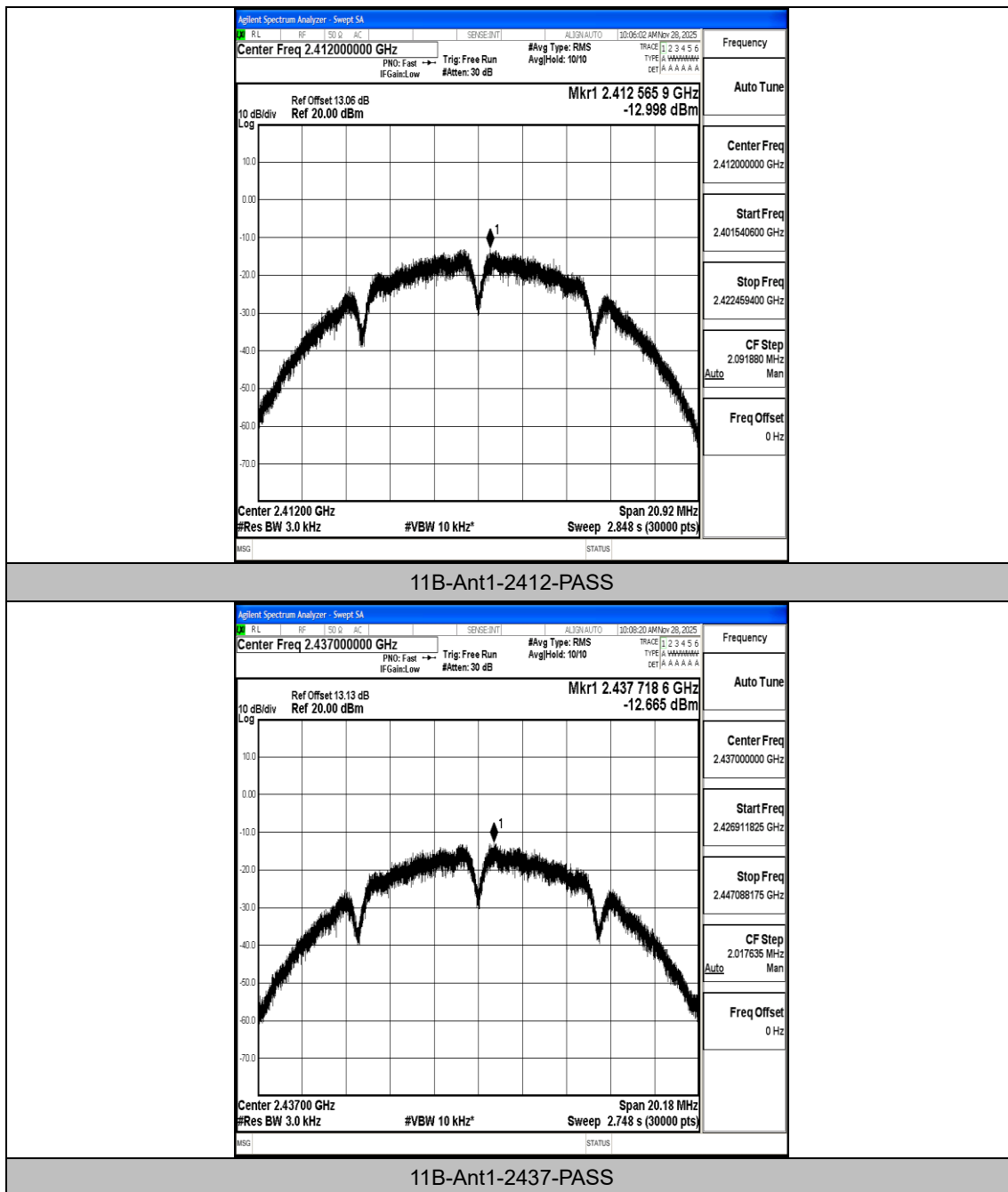
TestMode	Antenna	Frequency [MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.98	≤30.00	PASS
11B	Ant1	2437	16.58	≤30.00	PASS
11B	Ant1	2462	16.54	≤30.00	PASS
11G	Ant1	2412	14.62	≤30.00	PASS
11G	Ant1	2437	15.27	≤30.00	PASS
11G	Ant1	2462	15.19	≤30.00	PASS
11N20SISO	Ant1	2412	14.57	≤30.00	PASS
11N20SISO	Ant1	2437	15.01	≤30.00	PASS
11N20SISO	Ant1	2462	15.06	≤30.00	PASS
11N40SISO	Ant1	2422	14.39	≤30.00	PASS
11N40SISO	Ant1	2437	14.40	≤30.00	PASS
11N40SISO	Ant1	2452	14.29	≤30.00	PASS

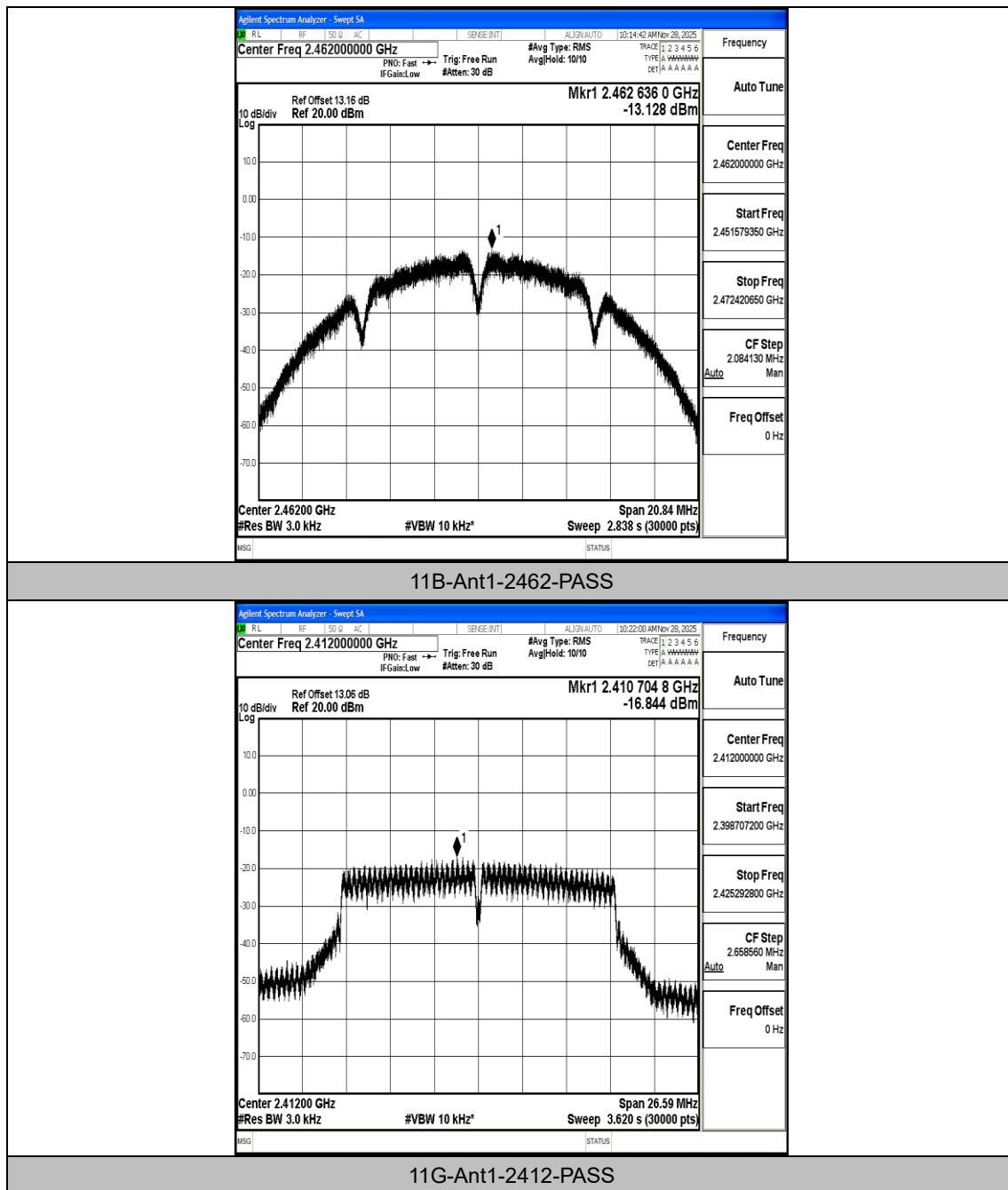
C.3 Maximum power spectral density

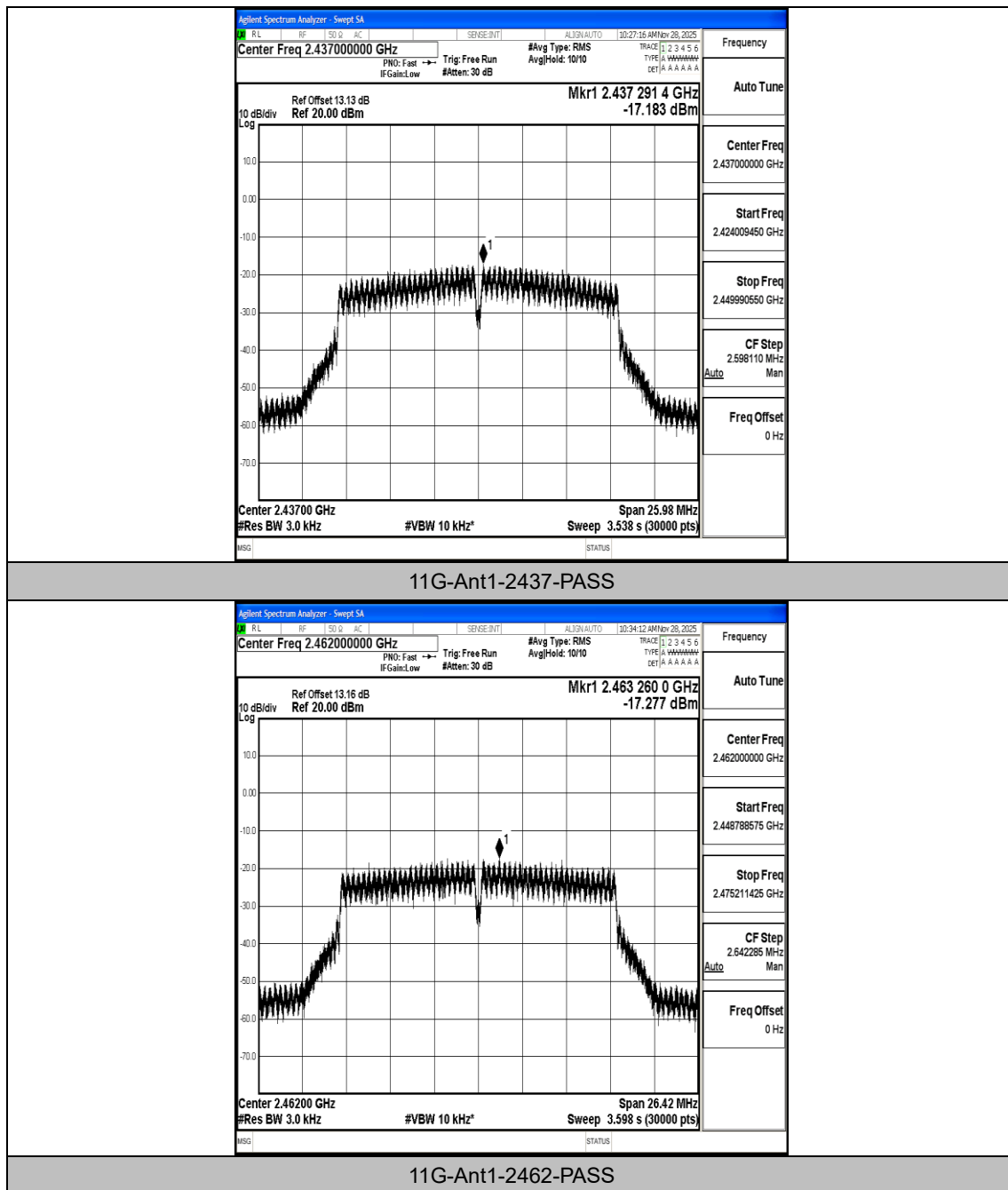
Test Result

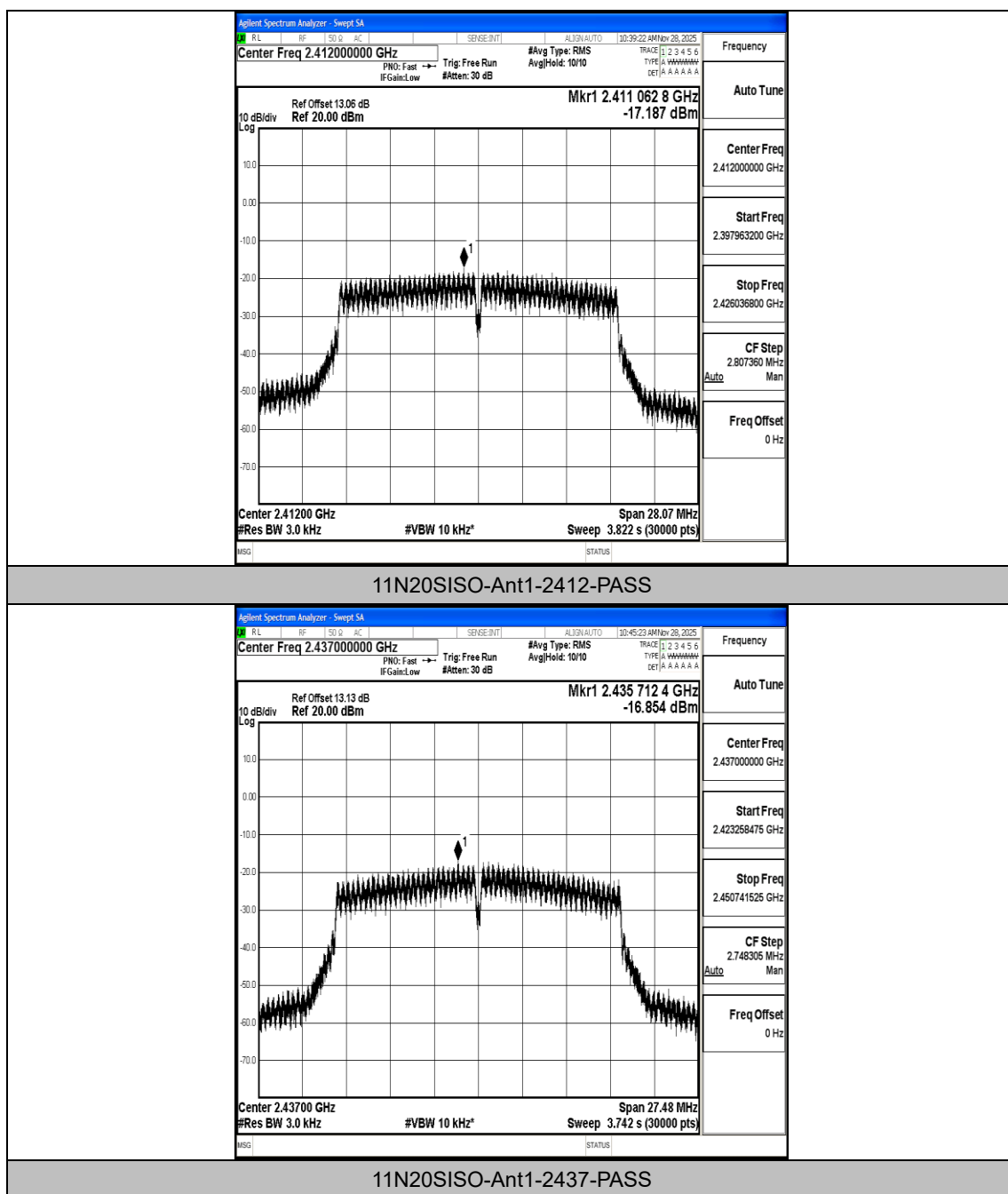
TestMode	Antenna	Frequency [MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.97	≤8.00	PASS
11B	Ant1	2437	-12.65	≤8.00	PASS
11B	Ant1	2462	-13.11	≤8.00	PASS
11G	Ant1	2412	-16.72	≤8.00	PASS
11G	Ant1	2437	-17.06	≤8.00	PASS
11G	Ant1	2462	-17.16	≤8.00	PASS
11N20SISO	Ant1	2412	-17.06	≤8.00	PASS
11N20SISO	Ant1	2437	-16.72	≤8.00	PASS
11N20SISO	Ant1	2462	-17.60	≤8.00	PASS
11N40SISO	Ant1	2422	-20.31	≤8.00	PASS
11N40SISO	Ant1	2437	-18.91	≤8.00	PASS
11N40SISO	Ant1	2452	-19.79	≤8.00	PASS

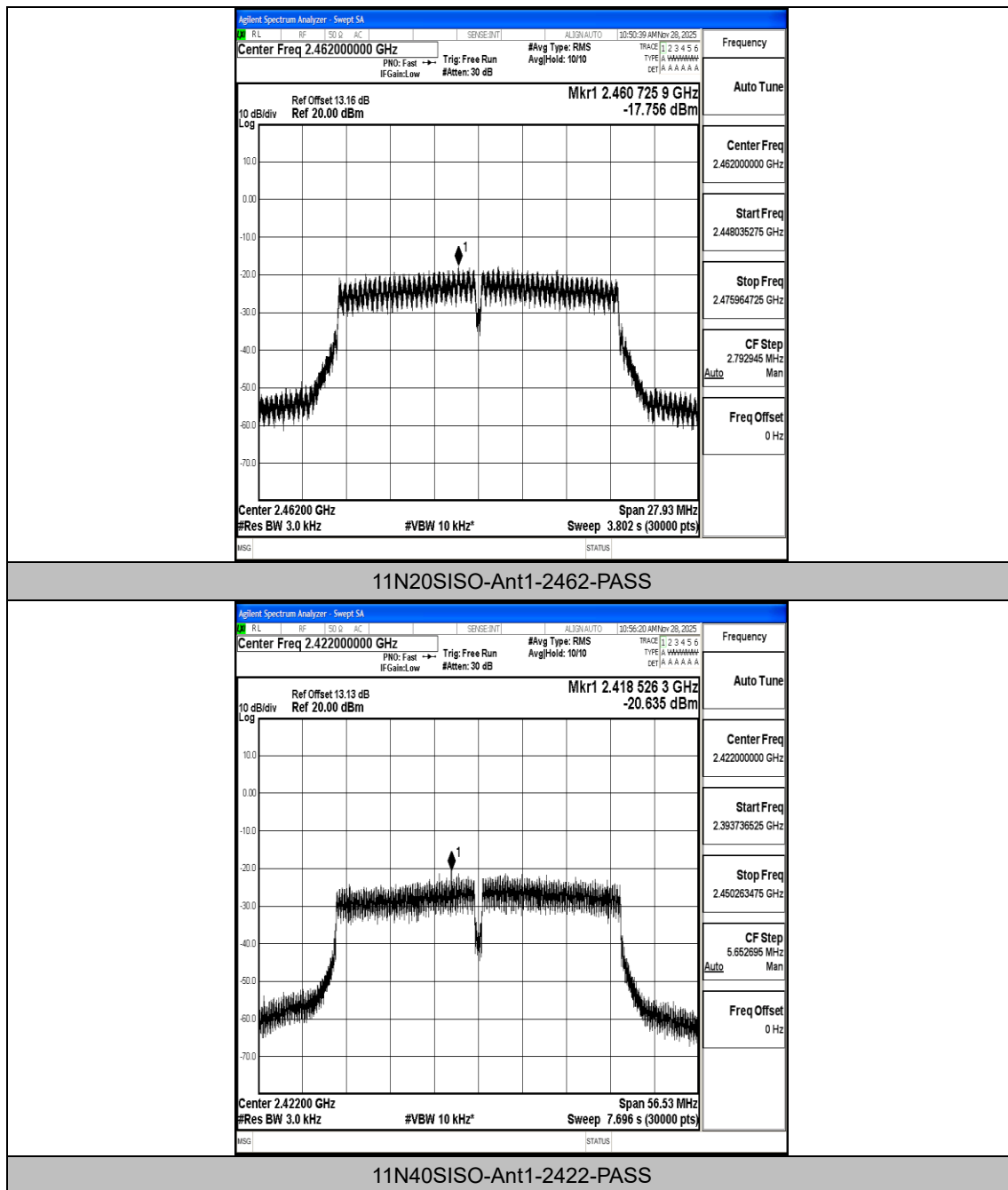
Test Graphs

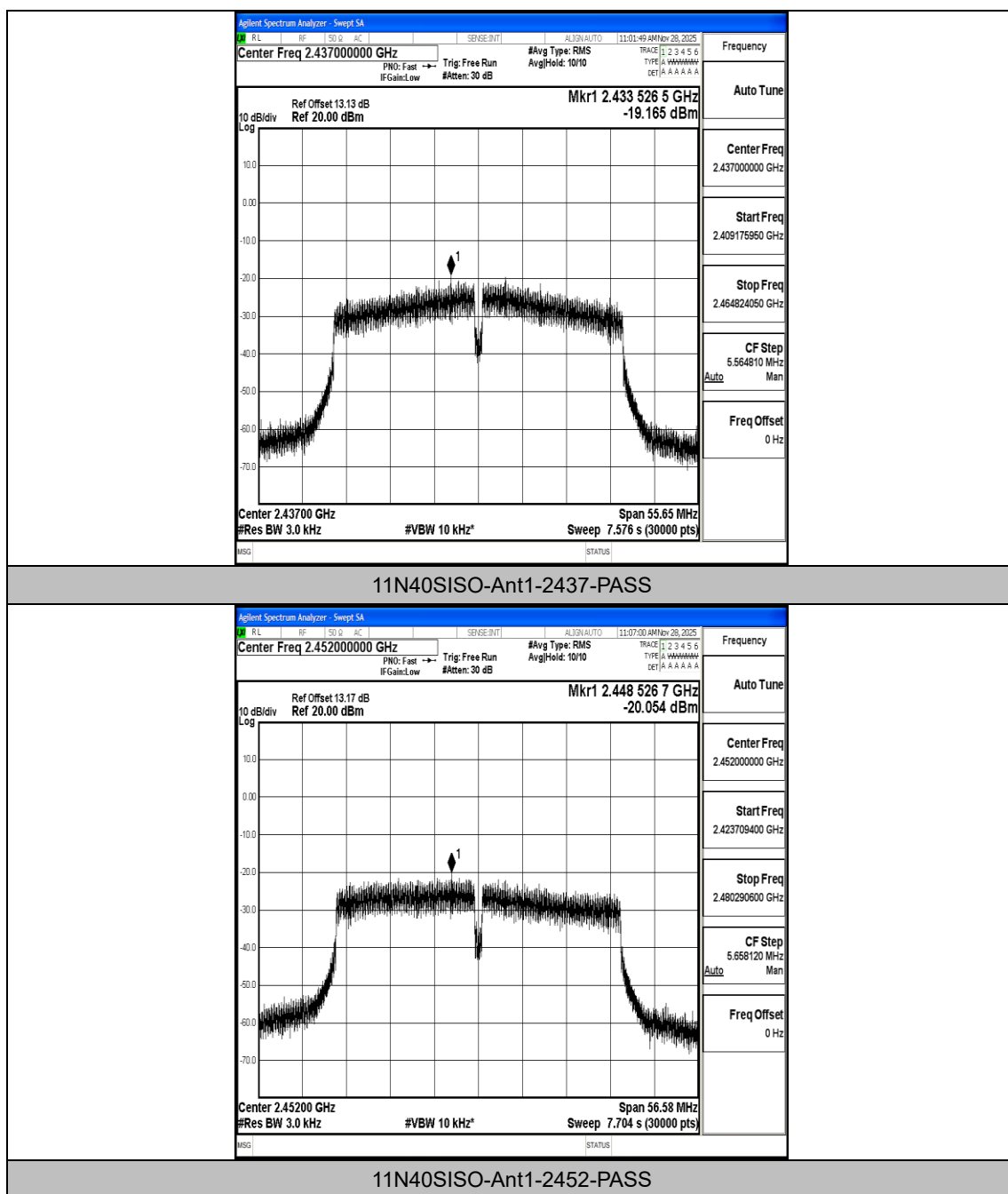










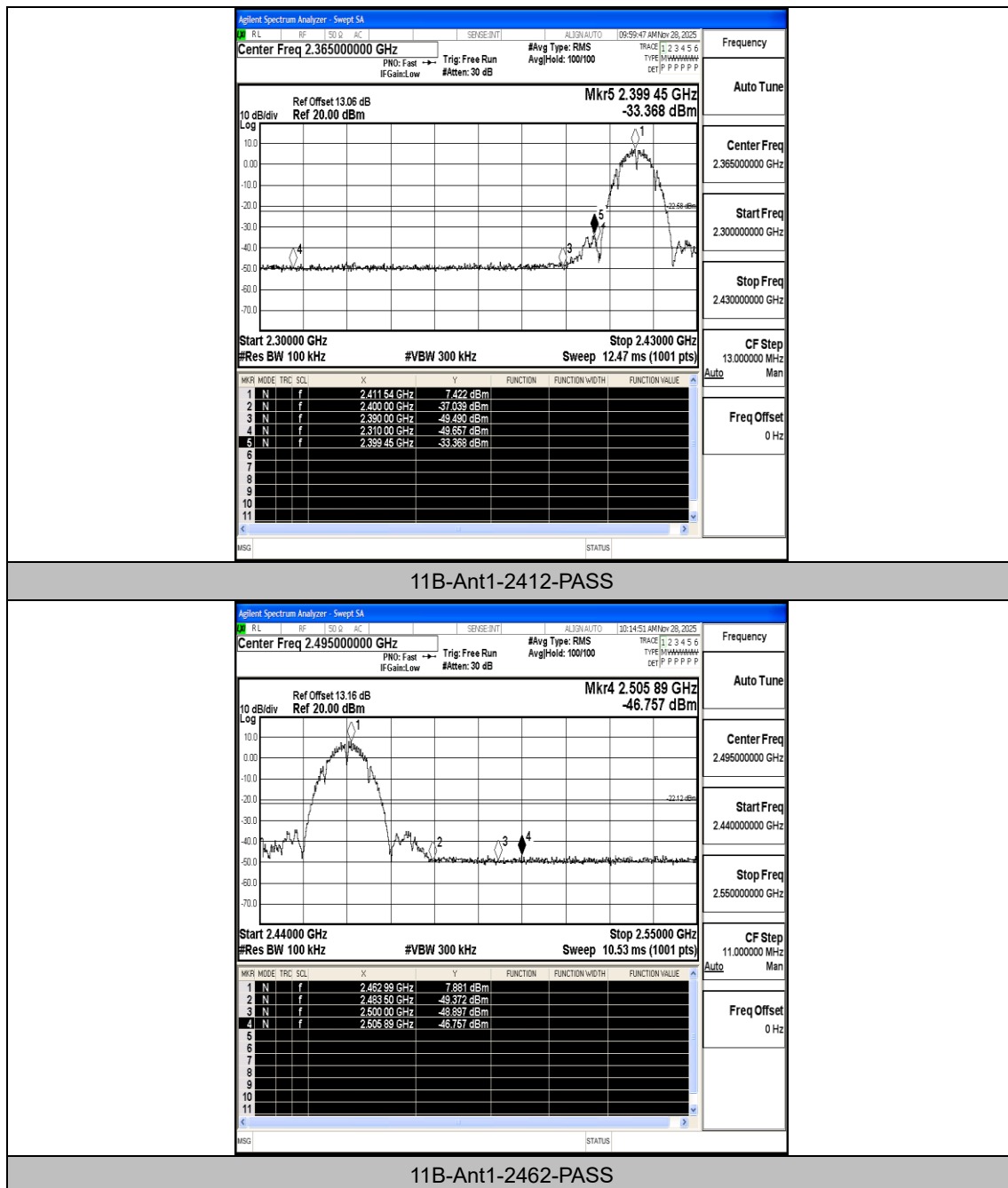


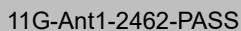
C.4 Band edge measurements

Test Result

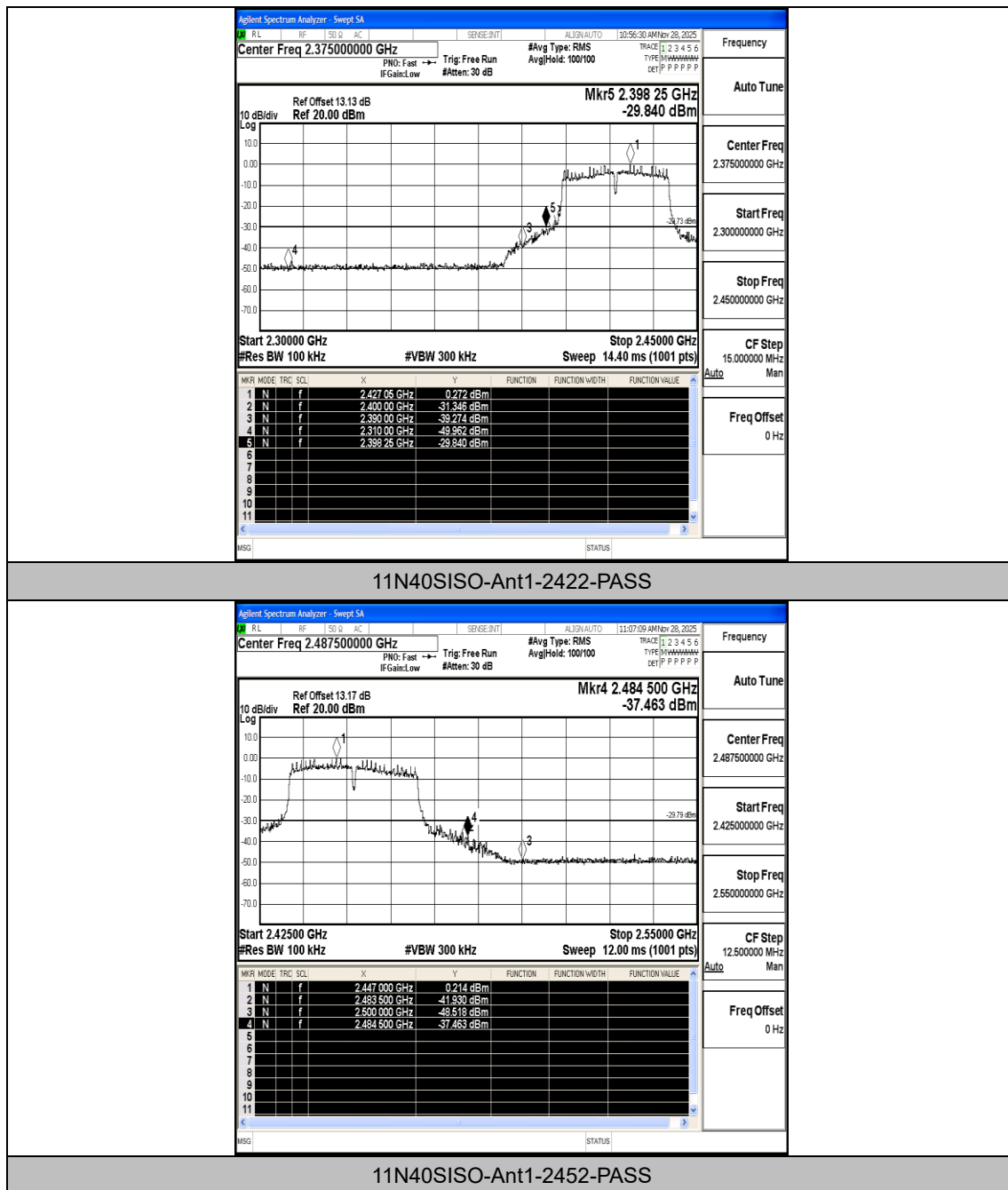
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.42	-33.37	≤-22.58	PASS
11B	Ant1	High	2462	7.88	-46.76	≤-22.12	PASS
11G	Ant1	Low	2412	1.24	-32.37	≤-28.76	PASS
11G	Ant1	High	2462	3.53	-43.59	≤-26.47	PASS
11N20SISO	Ant1	Low	2412	0.66	-29.73	≤-29.34	PASS
11N20SISO	Ant1	High	2462	3.24	-42.78	≤-26.76	PASS
11N40SISO	Ant1	Low	2422	0.27	-29.84	≤-29.73	PASS
11N40SISO	Ant1	High	2452	0.21	-37.46	≤-29.79	PASS

Test Graphs









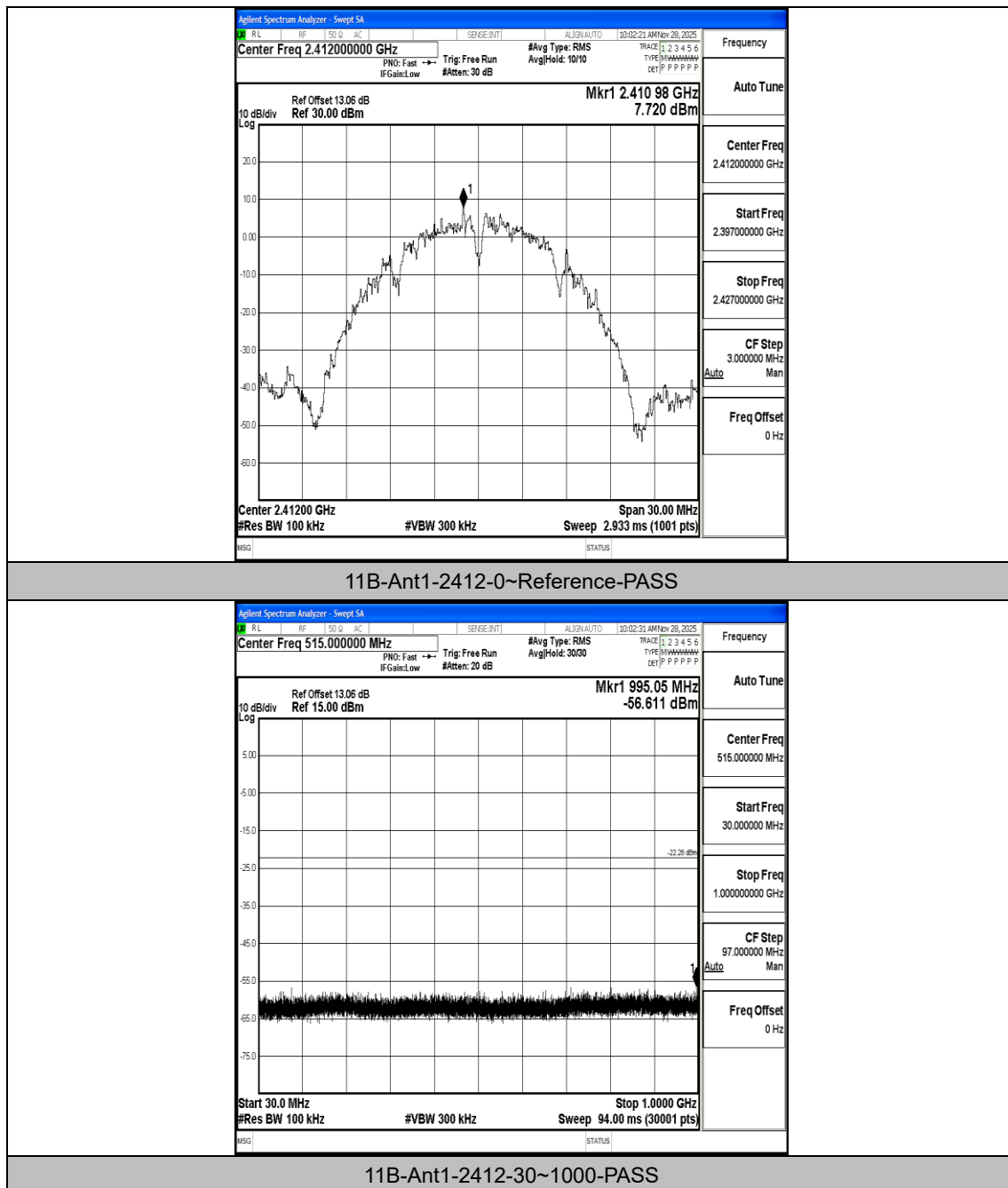
C.5 Conducted Spurious Emission

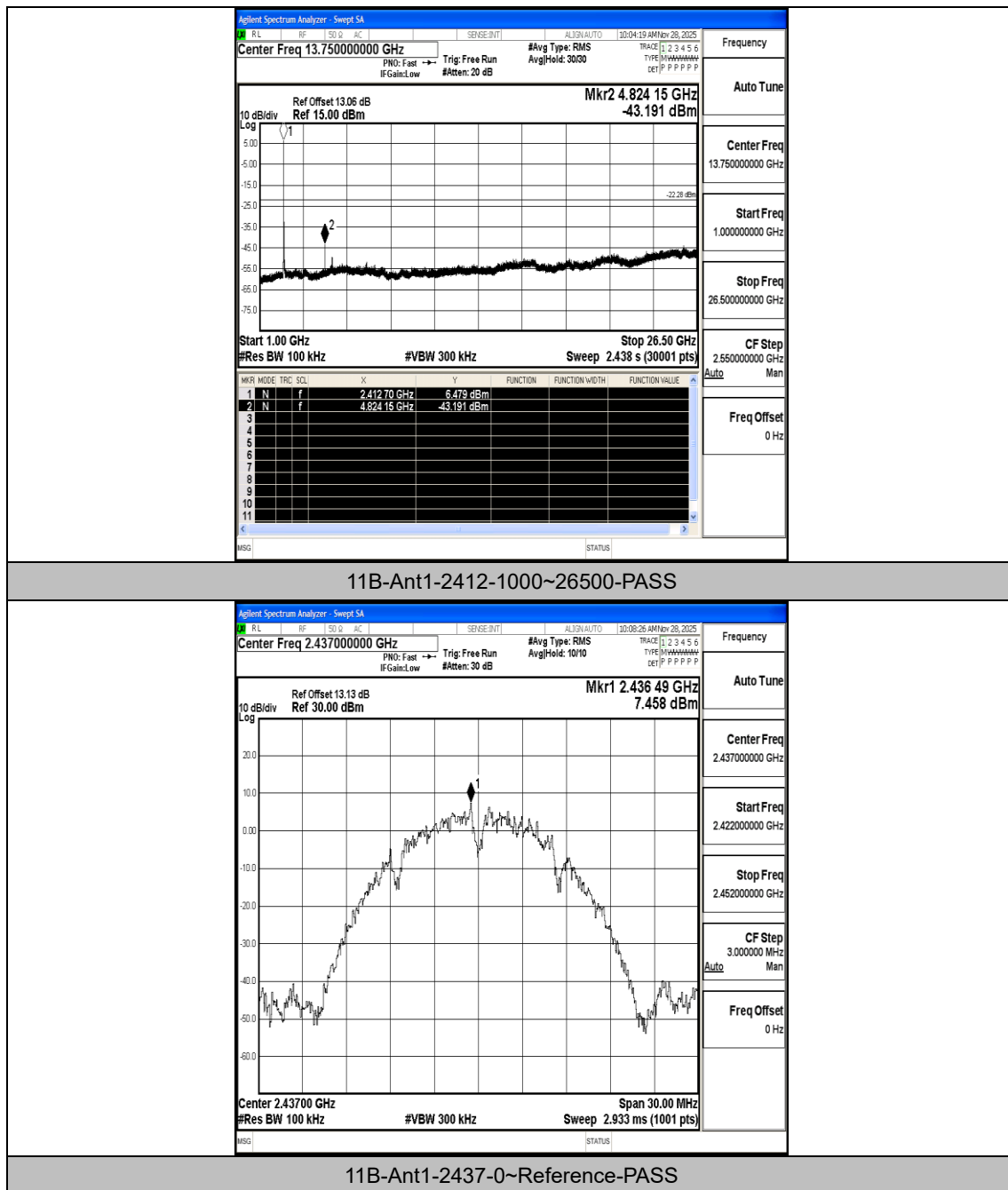
Test Result

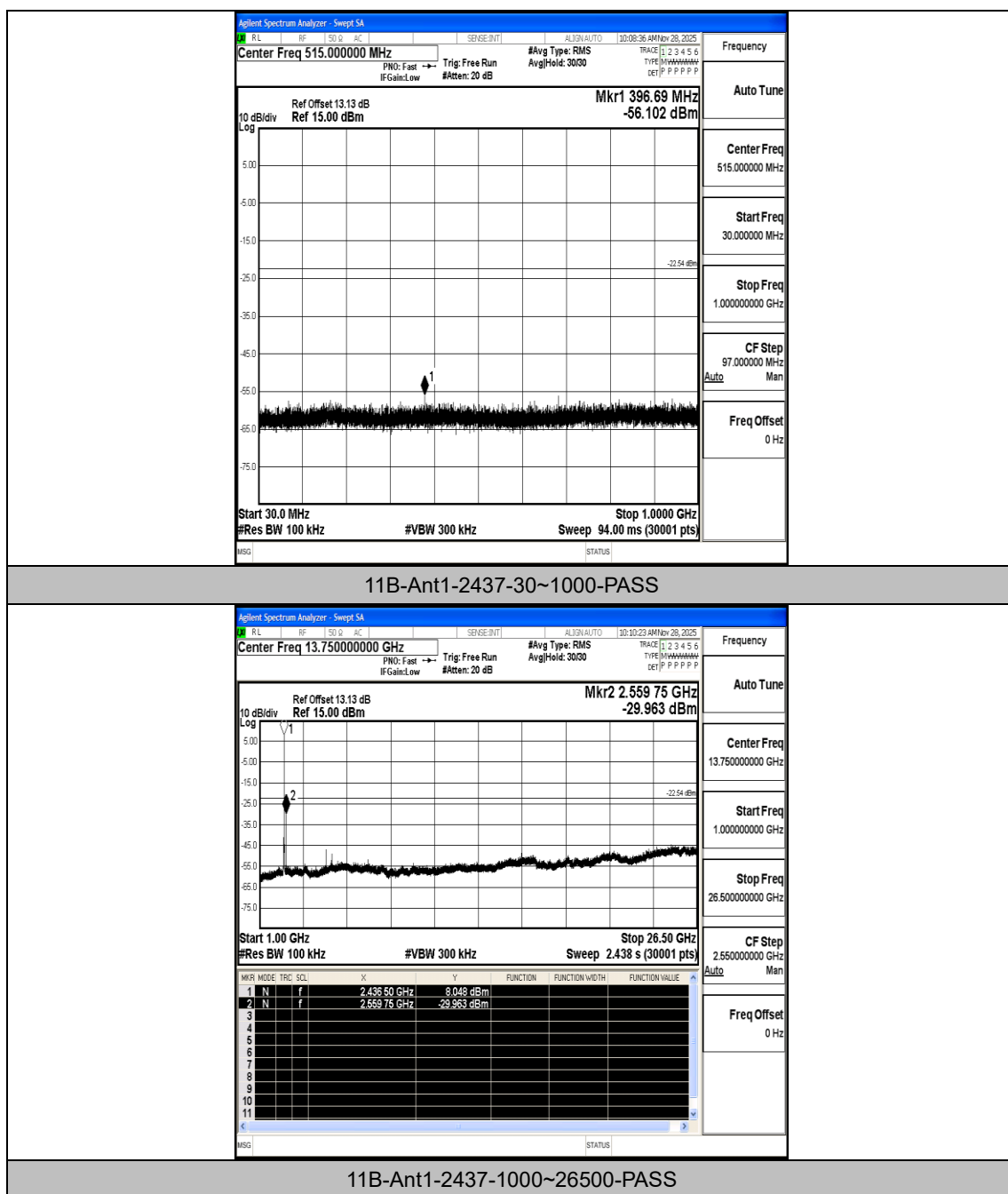
TestMode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	7.72	7.72	---	PASS
11B	Ant1	2412	30~1000	7.72	-56.61	≤-22.28	PASS
11B	Ant1	2412	1000~26500	7.72	-43.19	≤-22.28	PASS
11B	Ant1	2437	0~Reference	7.46	7.46	---	PASS
11B	Ant1	2437	30~1000	7.46	-56.1	≤-22.54	PASS
11B	Ant1	2437	1000~26500	7.46	-29.96	≤-22.54	PASS
11B	Ant1	2462	0~Reference	6.74	6.74	---	PASS
11B	Ant1	2462	30~1000	6.74	-56.83	≤-23.26	PASS
11B	Ant1	2462	1000~26500	6.74	-35.93	≤-23.26	PASS
11G	Ant1	2412	0~Reference	3.46	3.46	---	PASS
11G	Ant1	2412	30~1000	3.46	-57.11	≤-26.54	PASS
11G	Ant1	2412	1000~26500	3.46	-44.06	≤-26.54	PASS
11G	Ant1	2437	0~Reference	3.45	3.45	---	PASS
11G	Ant1	2437	30~1000	3.45	-56.45	≤-26.55	PASS
11G	Ant1	2437	1000~26500	3.45	-40.75	≤-26.55	PASS
11G	Ant1	2462	0~Reference	-0.19	-0.19	---	PASS
11G	Ant1	2462	30~1000	-0.19	-55.95	≤-30.19	PASS
11G	Ant1	2462	1000~26500	-0.19	-43.8	≤-30.19	PASS
11N20SISO	Ant1	2412	0~Reference	0.28	0.28	---	PASS
11N20SISO	Ant1	2412	30~1000	0.28	-56.93	≤-29.72	PASS
11N20SISO	Ant1	2412	1000~26500	0.28	-44.2	≤-29.72	PASS
11N20SISO	Ant1	2437	0~Reference	4.28	4.28	---	PASS
11N20SISO	Ant1	2437	30~1000	4.28	-56.18	≤-25.72	PASS
11N20SISO	Ant1	2437	1000~26500	4.28	-44.12	≤-25.72	PASS
11N20SISO	Ant1	2462	0~Reference	0.58	0.58	---	PASS
11N20SISO	Ant1	2462	30~1000	0.58	-56.76	≤-29.42	PASS
11N20SISO	Ant1	2462	1000~26500	0.58	-35.16	≤-29.42	PASS
11N40SISO	Ant1	2422	0~Reference	-0.11	-0.11	---	PASS
11N40SISO	Ant1	2422	30~1000	-0.11	-56.21	≤-30.11	PASS
11N40SISO	Ant1	2422	1000~26500	-0.11	-43.99	≤-30.11	PASS
11N40SISO	Ant1	2437	0~Reference	0.99	0.99	---	PASS
11N40SISO	Ant1	2437	30~1000	0.99	-56.09	≤-29.01	PASS
11N40SISO	Ant1	2437	1000~26500	0.99	-44.06	≤-29.01	PASS
11N40SISO	Ant1	2452	0~Reference	-0.50	-0.50	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.50	-44.19	≤-30.5	PASS

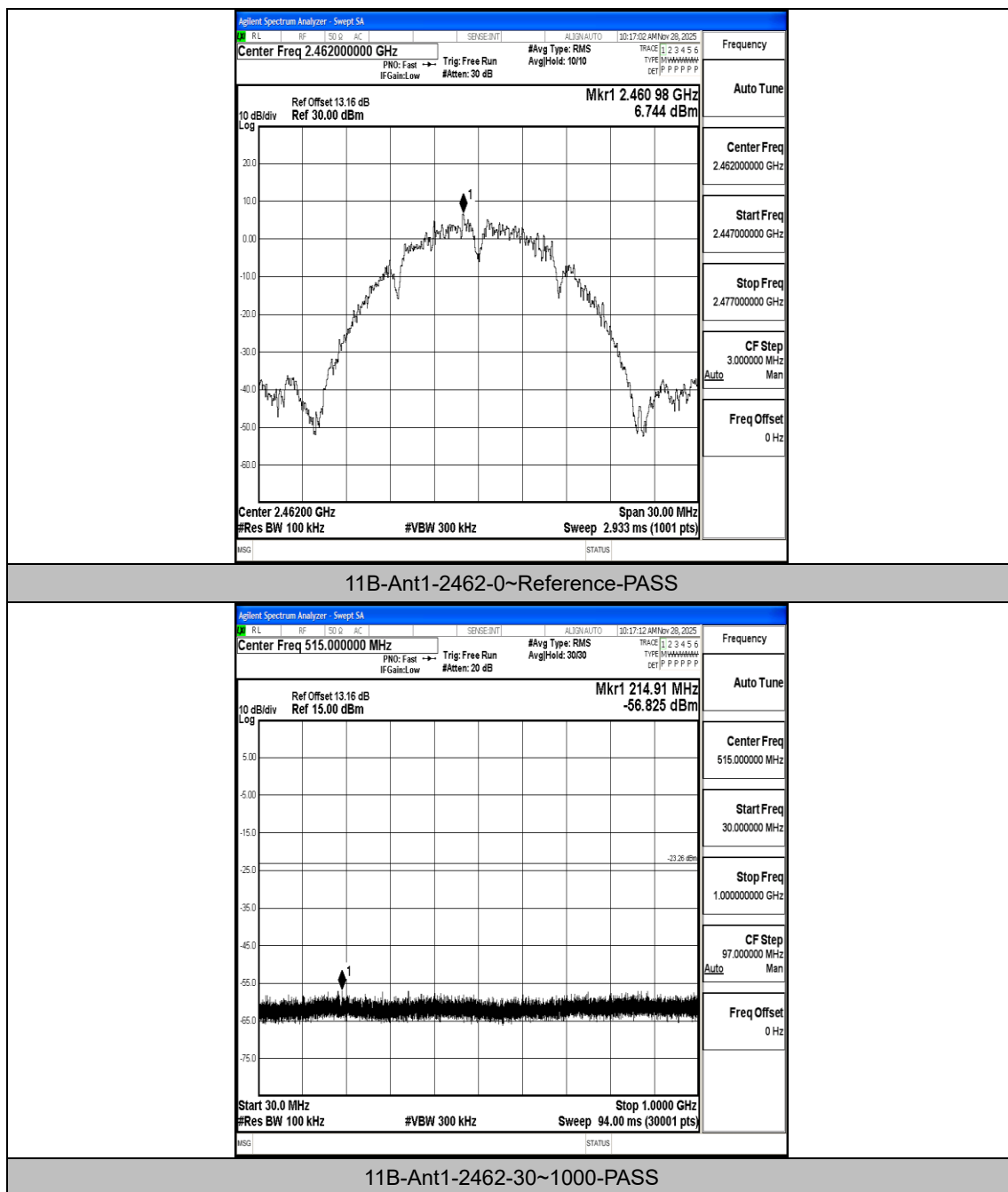
11N40SISO	Ant1	2452	1000~26500	-0.50	-44.7	≤-30.5	PASS
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Test Graphs









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