

Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Dash camera

Test Model: W12

Environmental Conditions

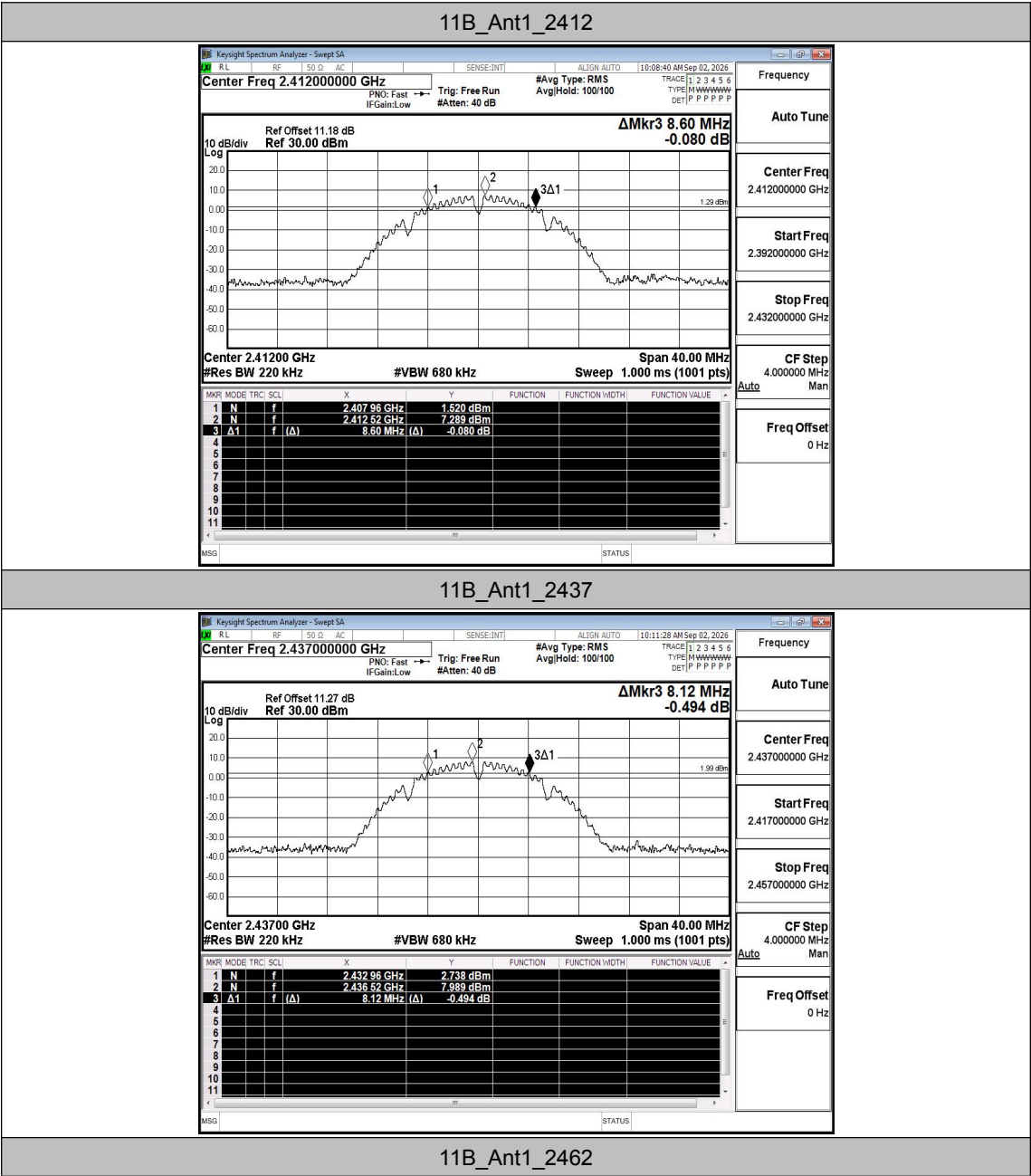
Temperature:	23.2°C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

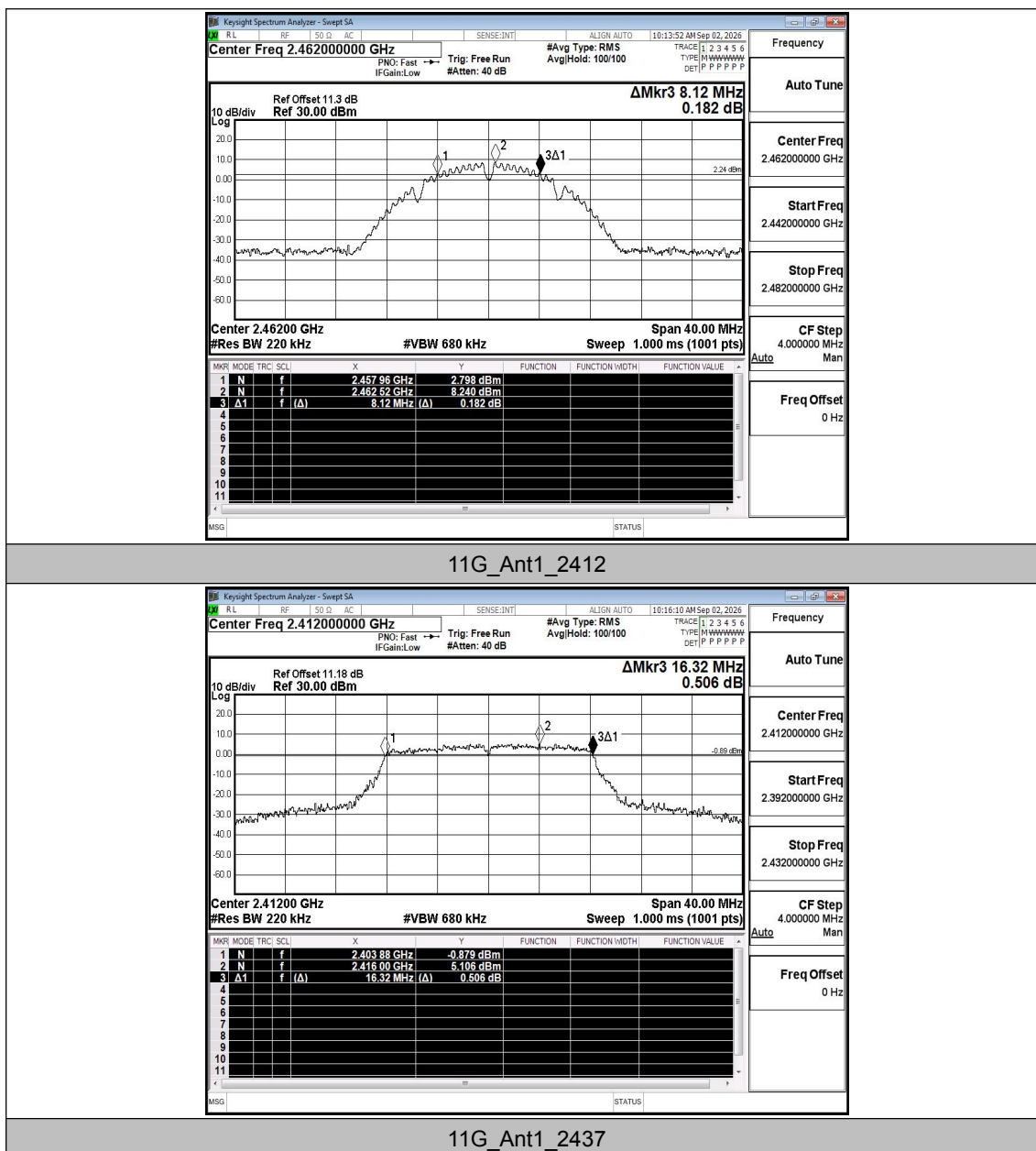
A.1 DTS Bandwidth

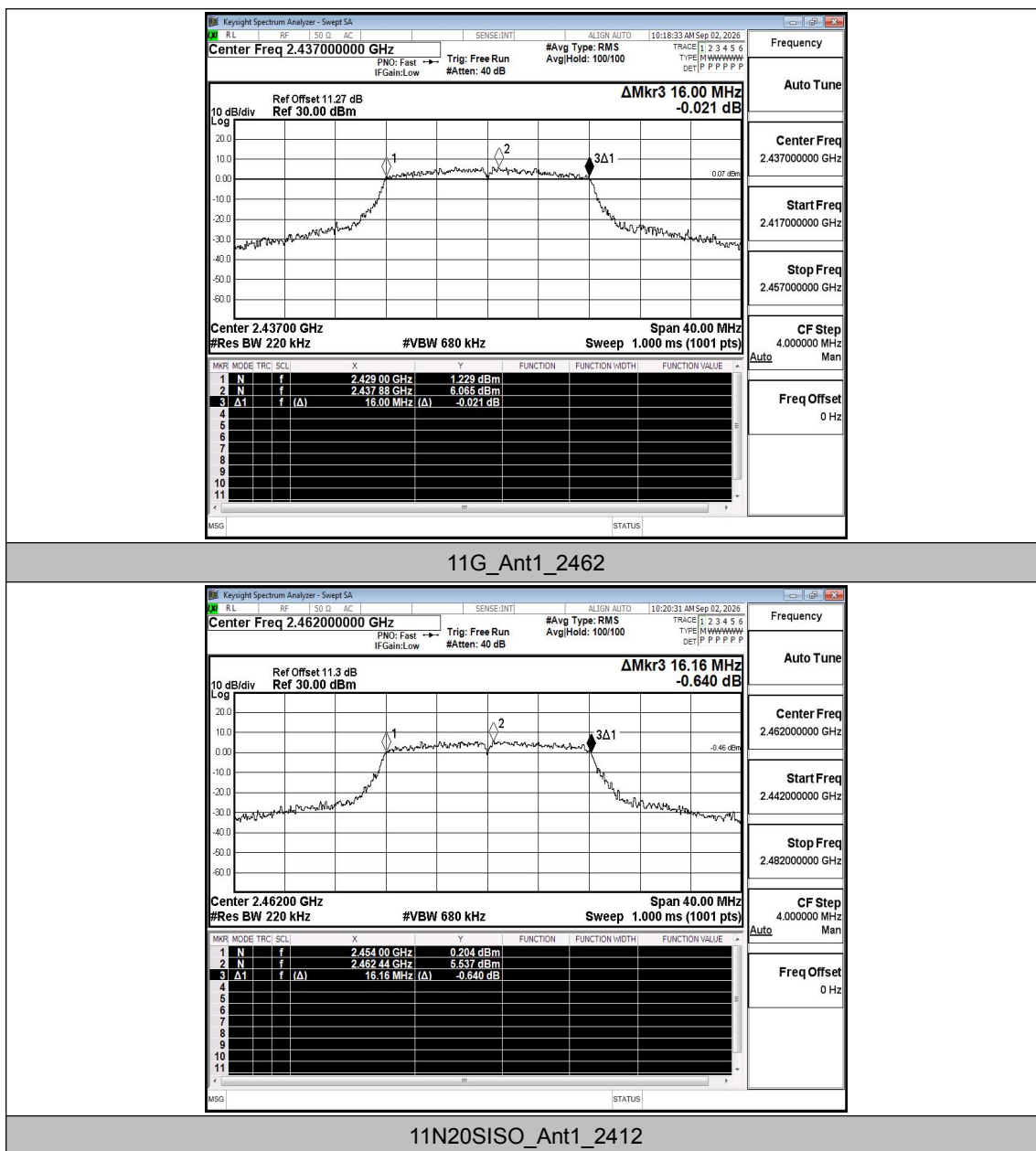
Test Result

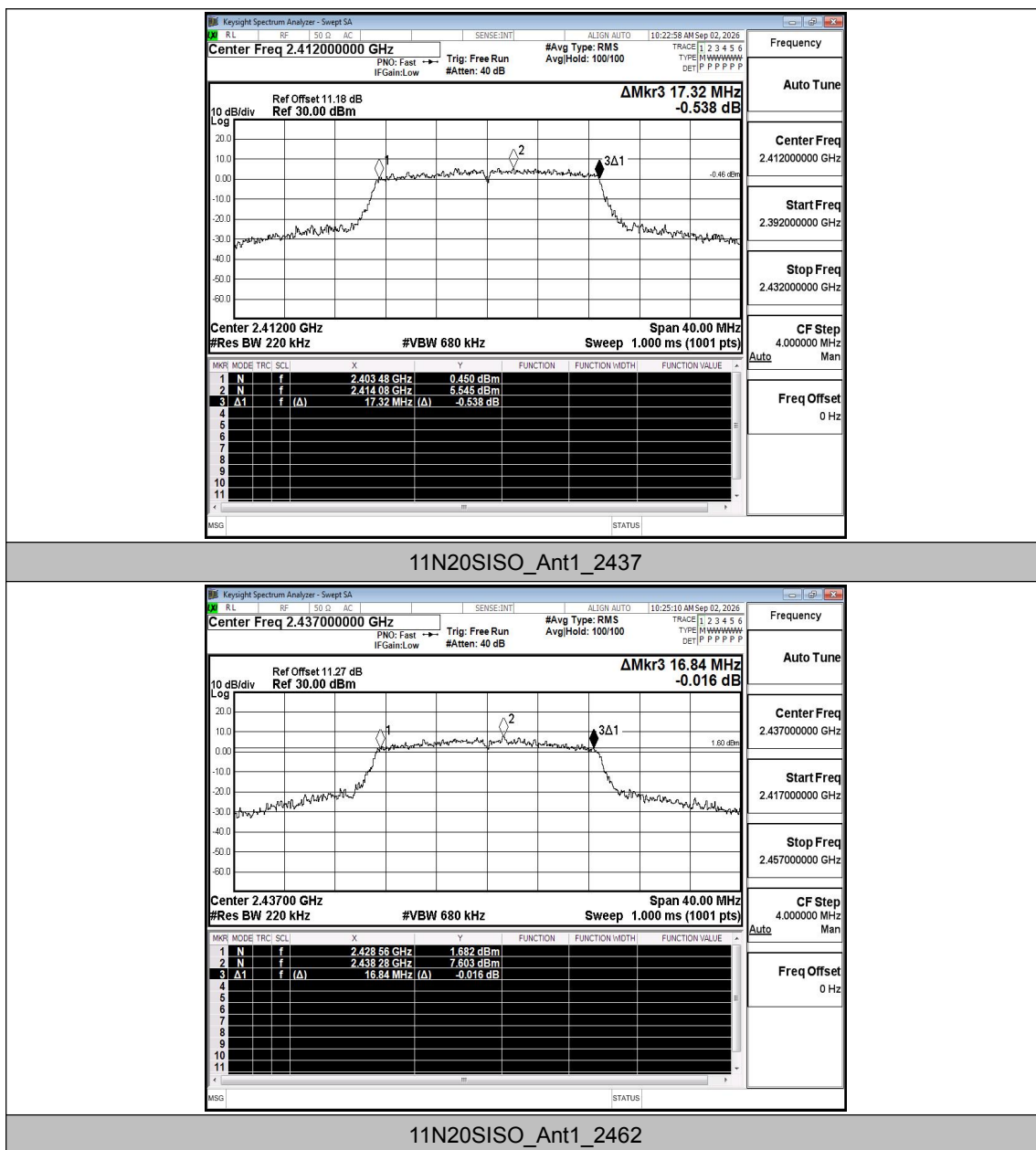
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.600	2407.960	2416.560	0.5	PASS
		2437	8.120	2432.960	2441.080	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.320	2403.880	2420.200	0.5	PASS
		2437	16.000	2429.000	2445.000	0.5	PASS
		2462	16.160	2454.000	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.480	2420.800	0.5	PASS
		2437	16.840	2428.560	2445.400	0.5	PASS
		2462	17.120	2453.480	2470.600	0.5	PASS

Test Graphs









A.2 Maximum Average conducted output power

Test Result

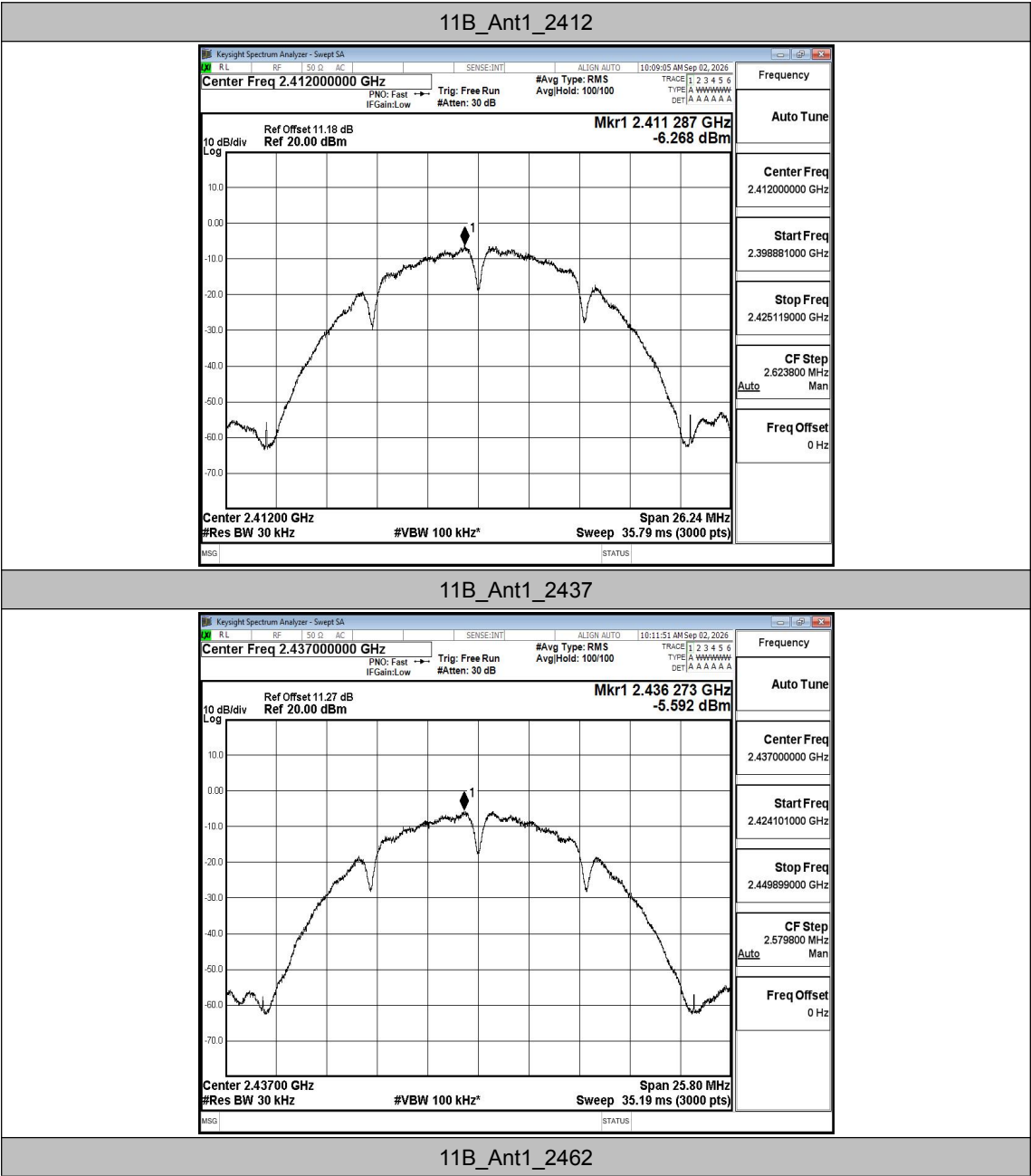
TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.63	0.02	14.65	≤30.00	PASS
		2437	15.03	0.03	15.06	≤30.00	PASS
		2462	15.03	0.02	15.05	≤30.00	PASS
11G	Ant1	2412	15.41	0.12	15.53	≤30.00	PASS
		2437	15.70	0.12	15.82	≤30.00	PASS
		2462	15.52	0.15	15.67	≤30.00	PASS
11N20SISO	Ant1	2412	15.29	0.16	15.45	≤30.00	PASS
		2437	16.40	0.13	16.53	≤30.00	PASS
		2462	16.18	0.13	16.31	≤30.00	PASS

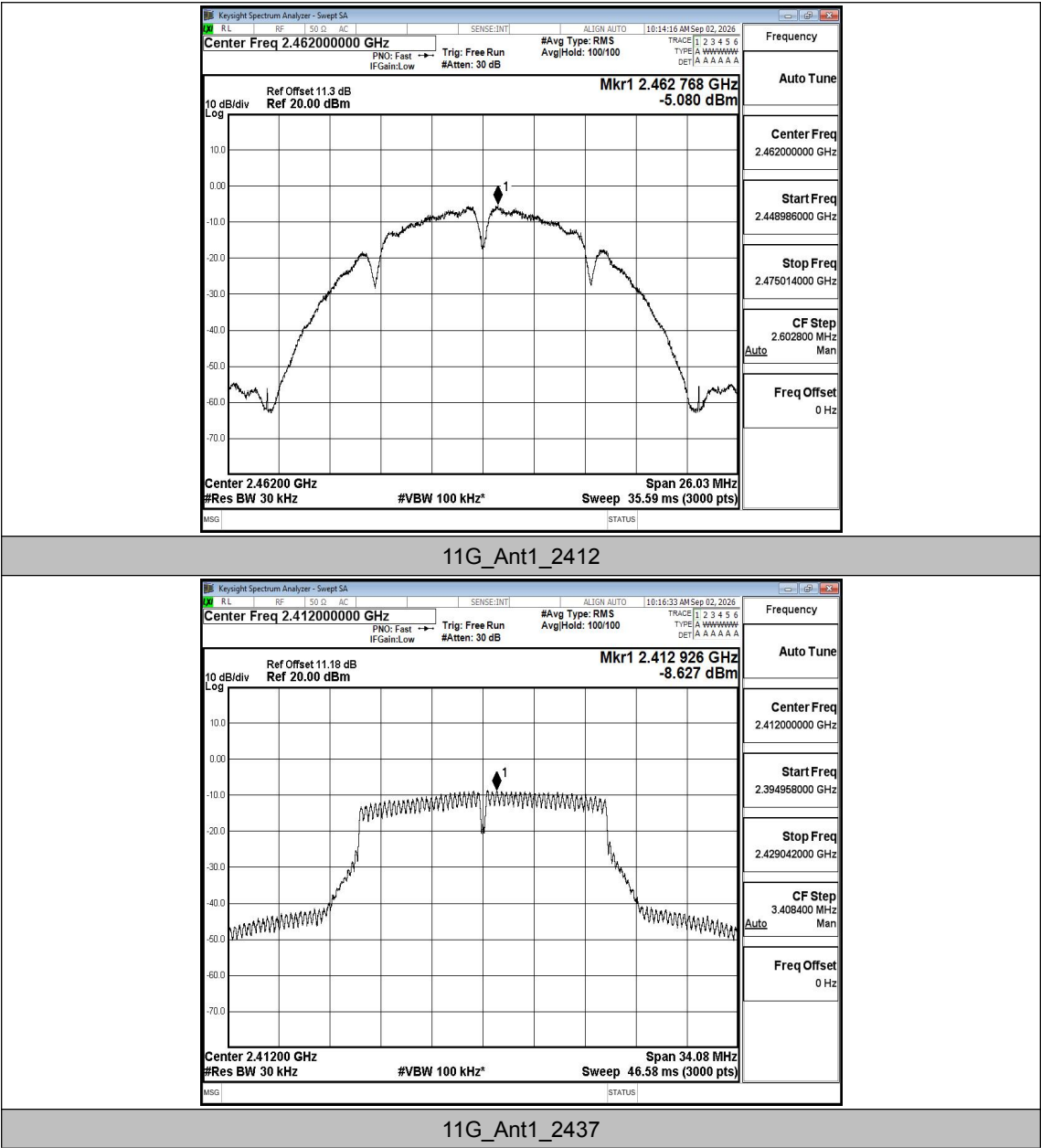
A.3 Maximum power spectral density

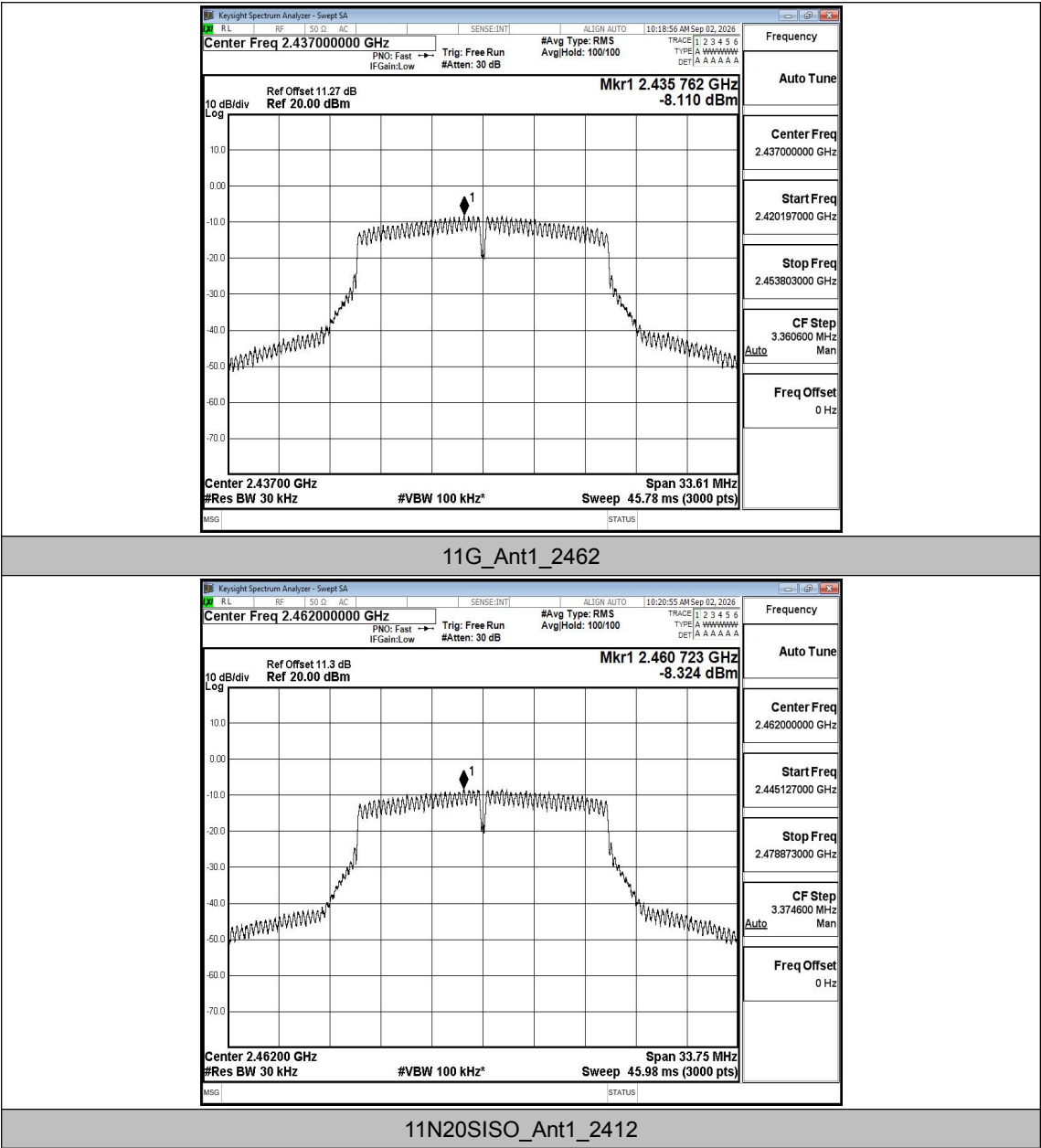
Test Result

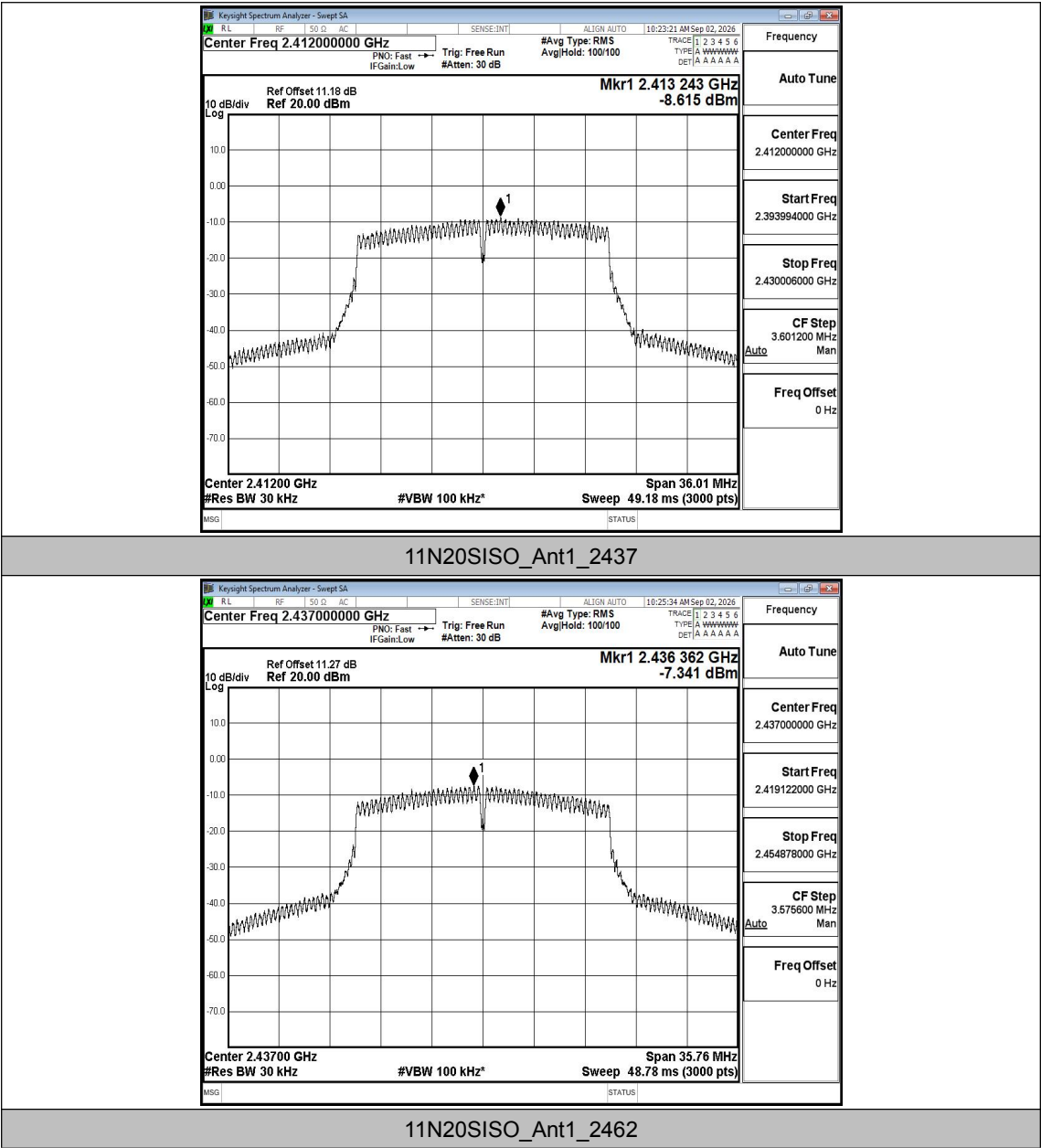
TestMode	Antenna	Frequency[MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.27	0.02	-6.25	≤8.00	PASS
		2437	-5.59	0.03	-5.56	≤8.00	PASS
		2462	-5.08	0.02	-5.06	≤8.00	PASS
11G	Ant1	2412	-8.63	0.12	-8.51	≤8.00	PASS
		2437	-8.11	0.12	-7.99	≤8.00	PASS
		2462	-8.32	0.15	-8.17	≤8.00	PASS
11N20SISO	Ant1	2412	-8.62	0.16	-8.46	≤8.00	PASS
		2437	-7.34	0.13	-7.21	≤8.00	PASS
		2462	-7.09	0.13	-6.96	≤8.00	PASS

Test Graphs







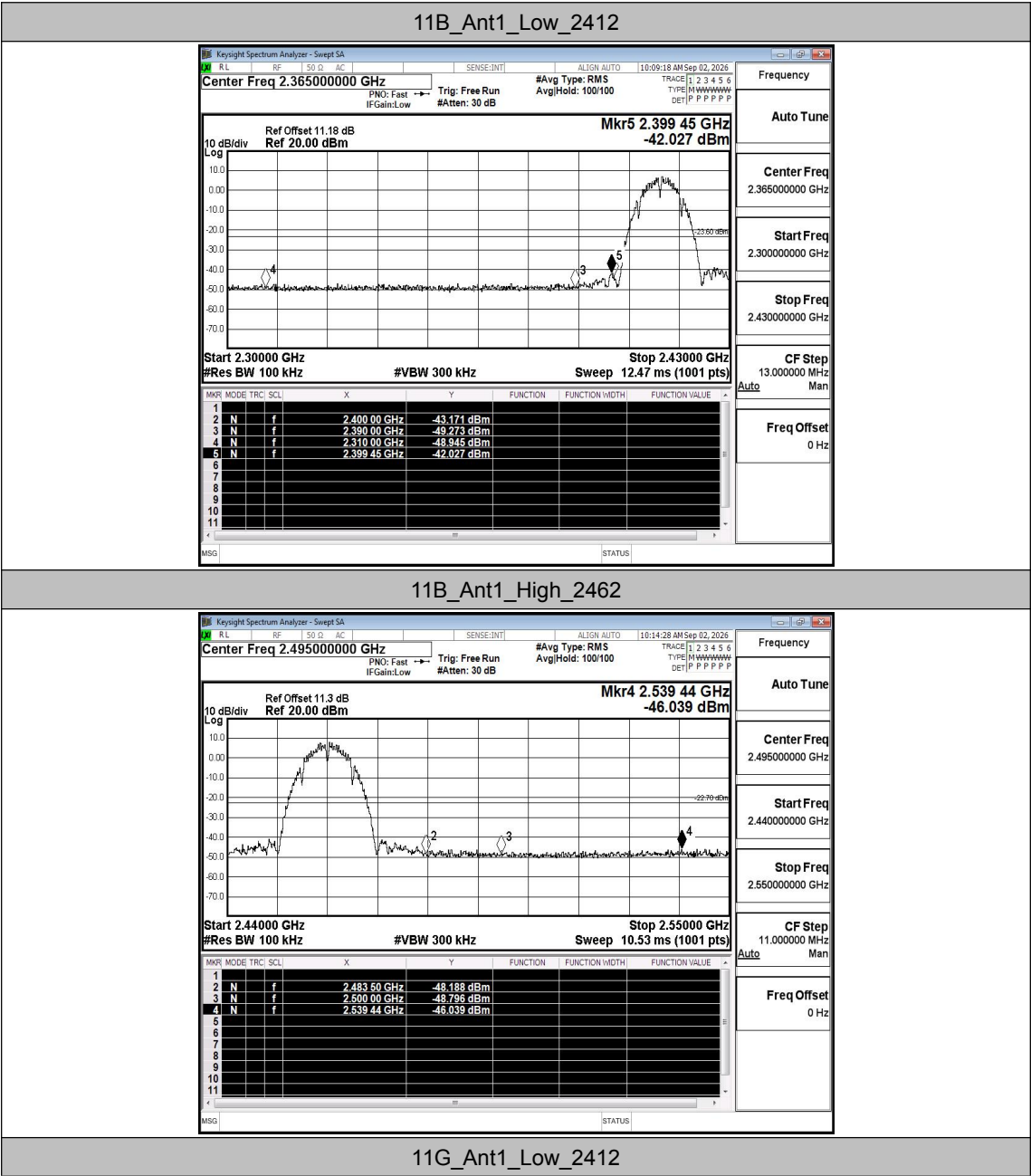


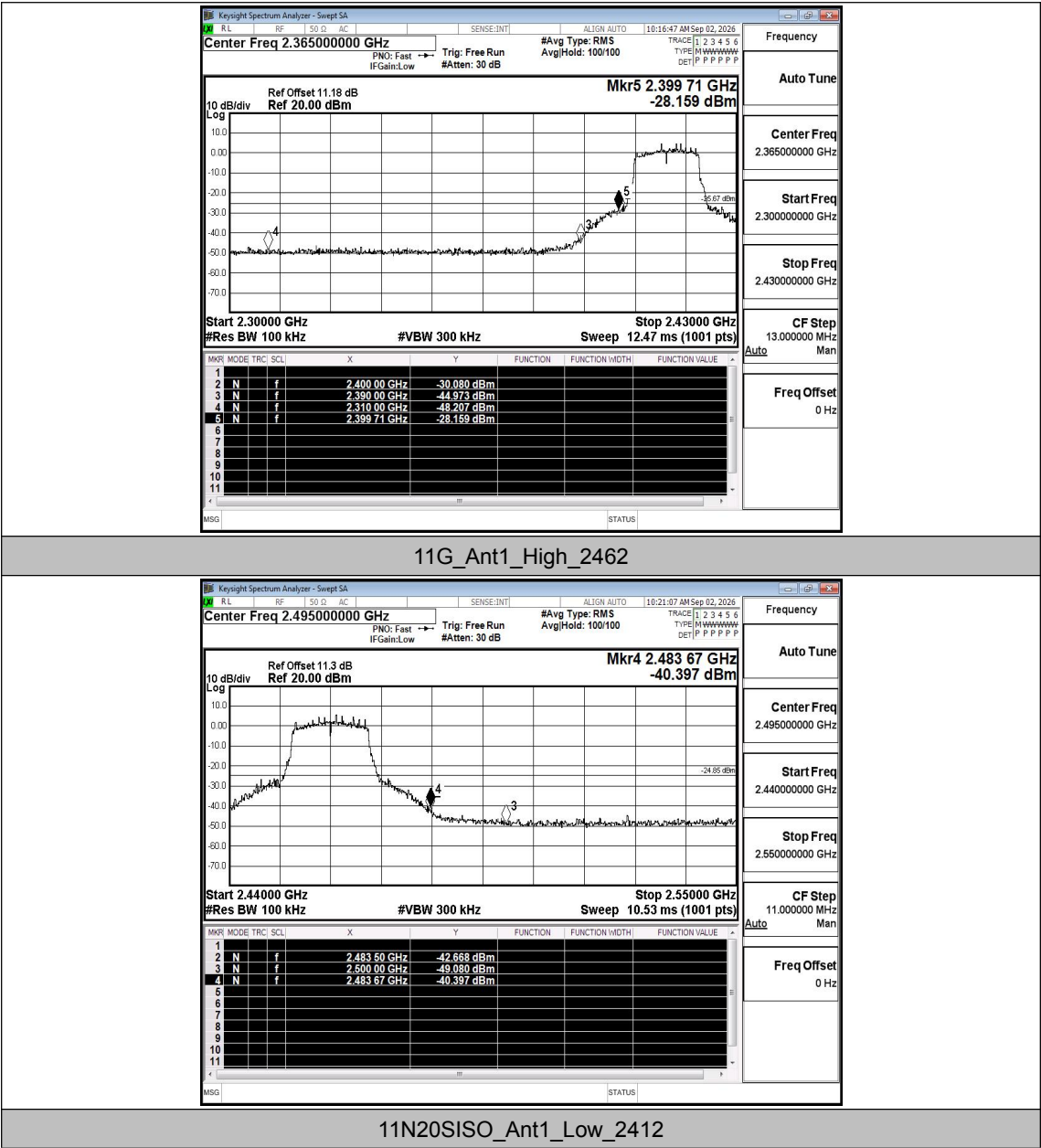
A.4 Band edge measurements

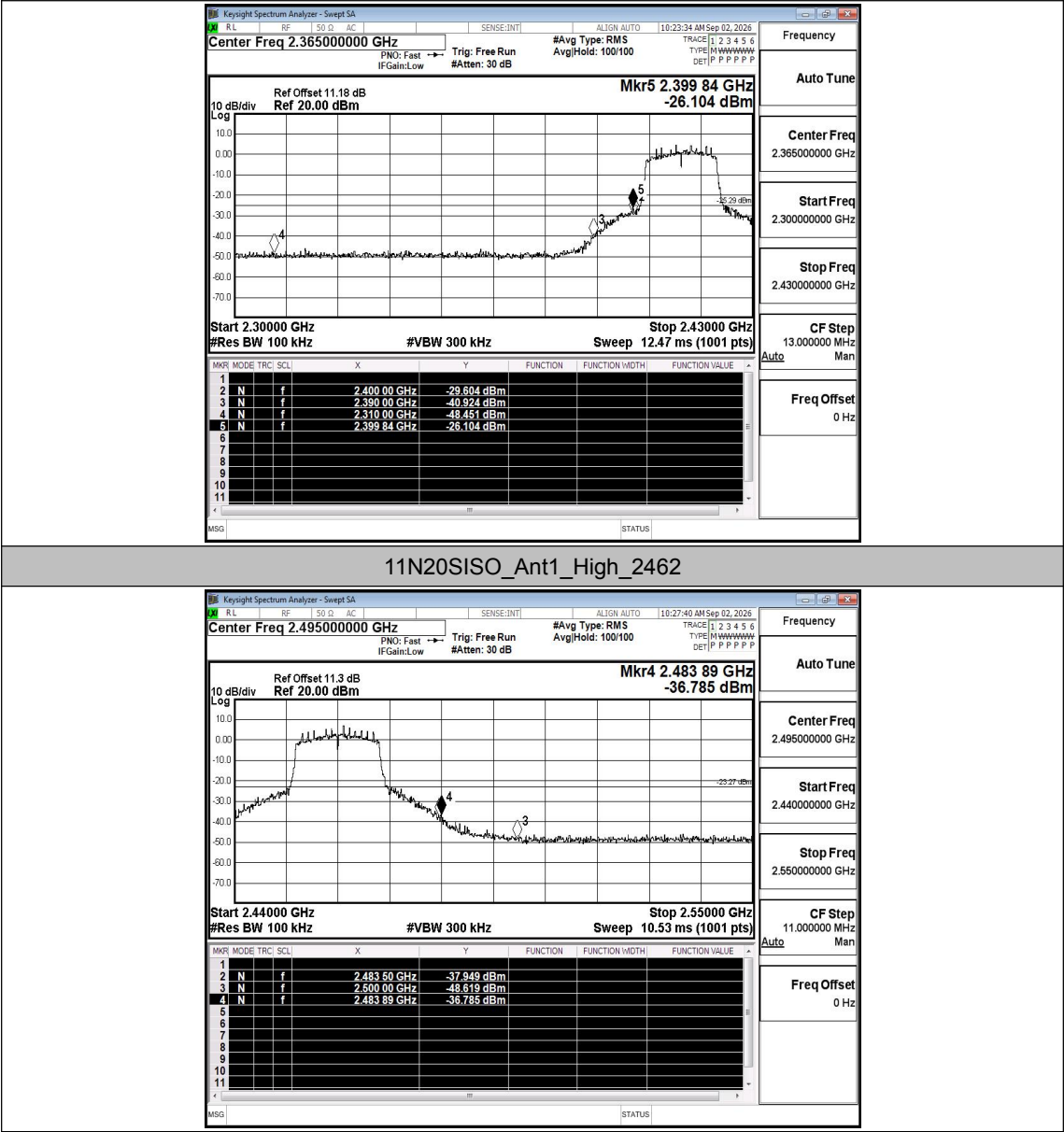
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.40	-42.03	≤-23.6	PASS
		High	2462	7.22	-46.04	≤-22.78	PASS
11G	Ant1	Low	2412	4.33	-28.16	≤-25.67	PASS
		High	2462	5.15	-40.4	≤-24.85	PASS
11N20SISO	Ant1	Low	2412	4.71	-26.1	≤-25.29	PASS
		High	2462	6.73	-36.79	≤-23.27	PASS

Test Graphs







A.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.18	6.18	---	PASS
			30~1000	6.18	-69.9	≤-23.82	PASS
			1000~26500	6.18	-36.4	≤-23.82	PASS
		2437	Reference	6.43	6.43	---	PASS
			30~1000	6.43	-69.65	≤-23.57	PASS
			1000~26500	6.43	-40.54	≤-23.57	PASS
		2462	Reference	6.88	6.88	---	PASS
			30~1000	6.88	-70.16	≤-23.12	PASS
			1000~26500	6.88	-39.73	≤-23.12	PASS
11G	Ant1	2412	Reference	4.78	4.78	---	PASS
			30~1000	4.78	-69.48	≤-25.22	PASS
			1000~26500	4.78	-42.89	≤-25.22	PASS
		2437	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-69.15	≤-27.92	PASS
			1000~26500	2.08	-44.35	≤-27.92	PASS
		2462	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-69.8	≤-26.37	PASS
			1000~26500	3.63	-44.57	≤-26.37	PASS
11N20SISO	Ant1	2412	Reference	4.05	4.05	---	PASS
			30~1000	4.05	-69.96	≤-25.95	PASS
			1000~26500	4.05	-43.64	≤-25.95	PASS
		2437	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-69.4	≤-27.2	PASS
			1000~26500	2.80	-44.71	≤-27.2	PASS
		2462	Reference	2.62	2.62	---	PASS
			30~1000	2.62	-69.34	≤-27.38	PASS
			1000~26500	2.62	-44.17	≤-27.38	PASS

Test Graphs

