

Appendix A

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Dash camera

Test Model: W10

Environmental Conditions

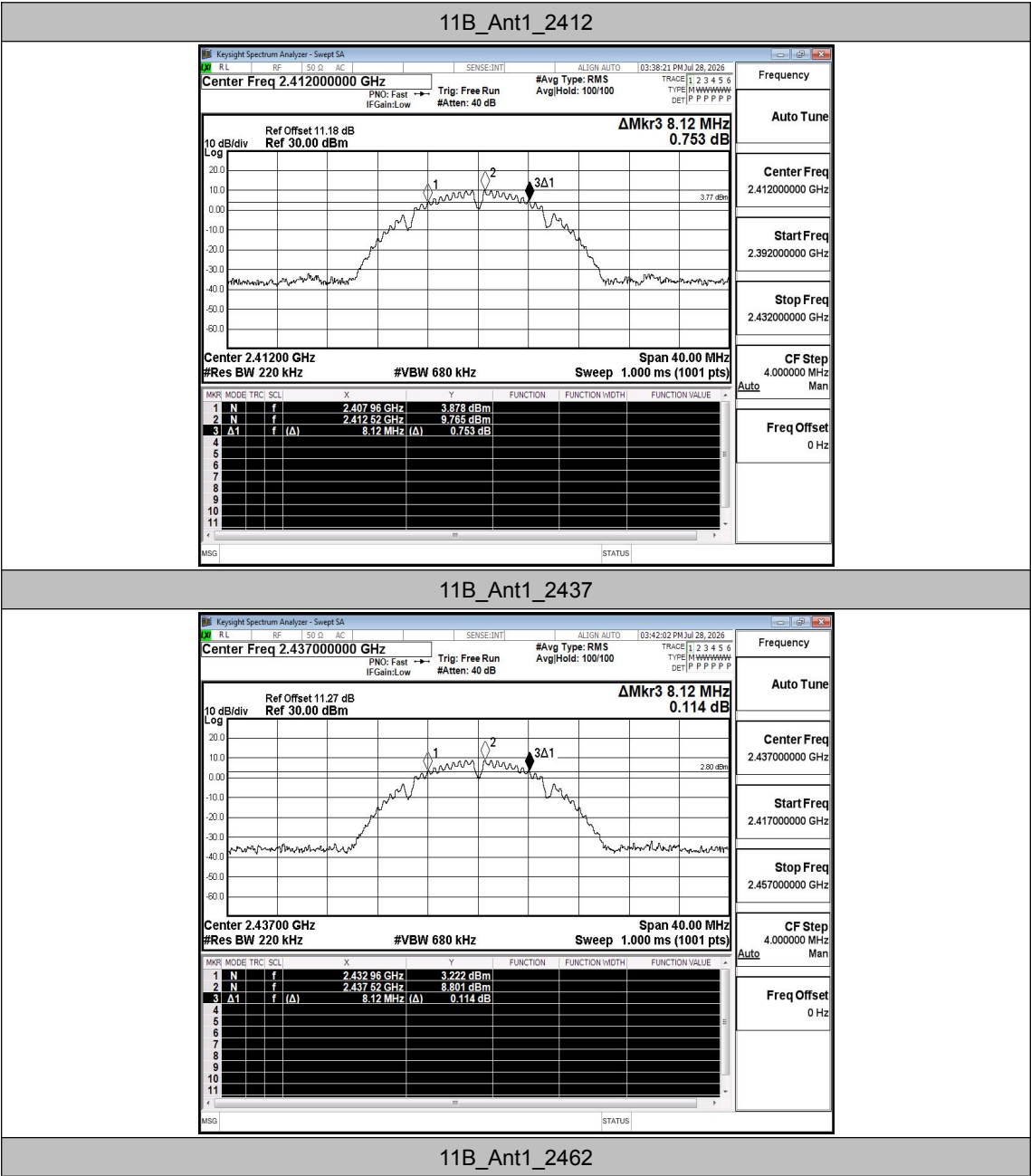
Temperature:	23.2°C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

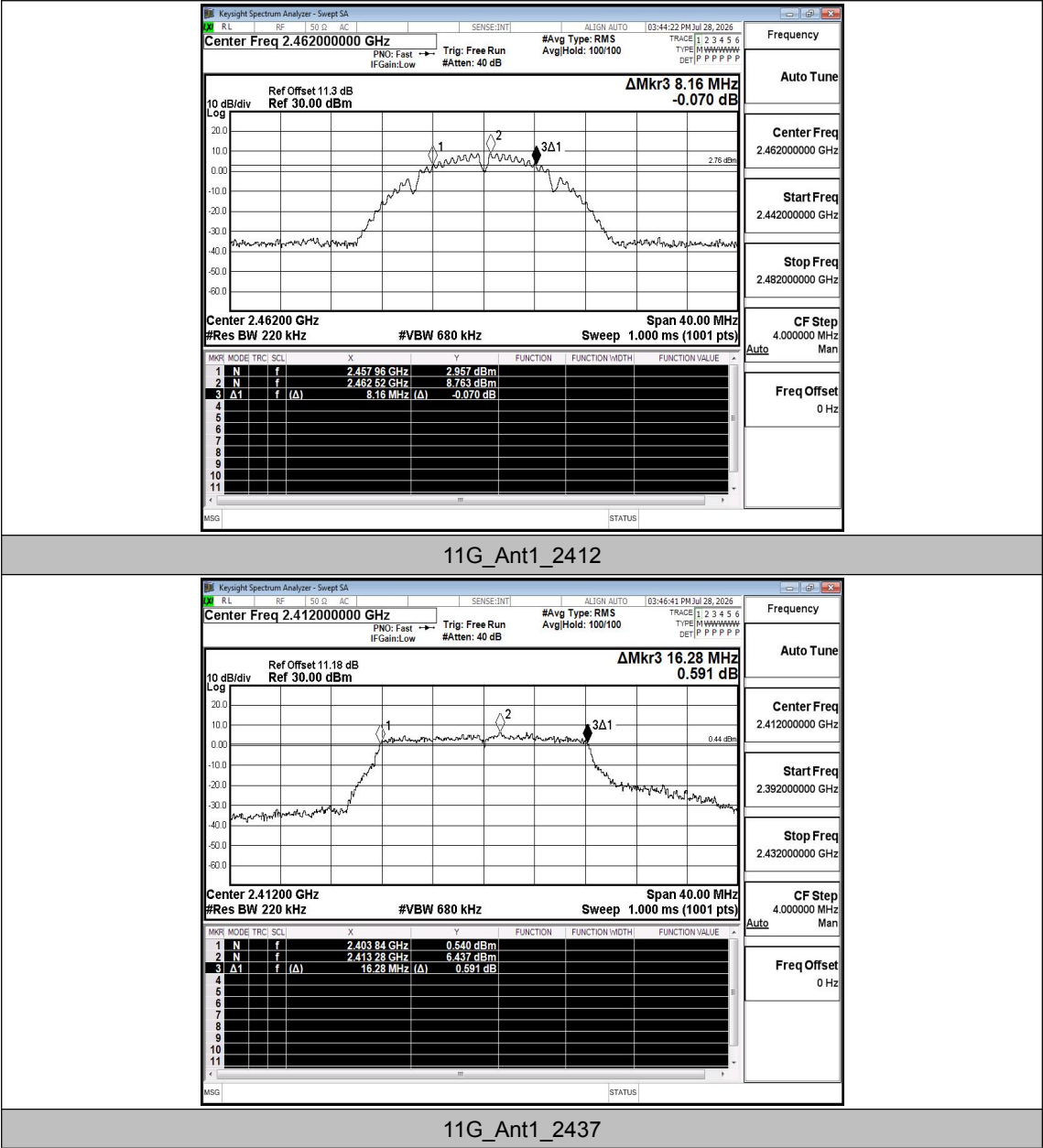
A.1 DTS Bandwidth

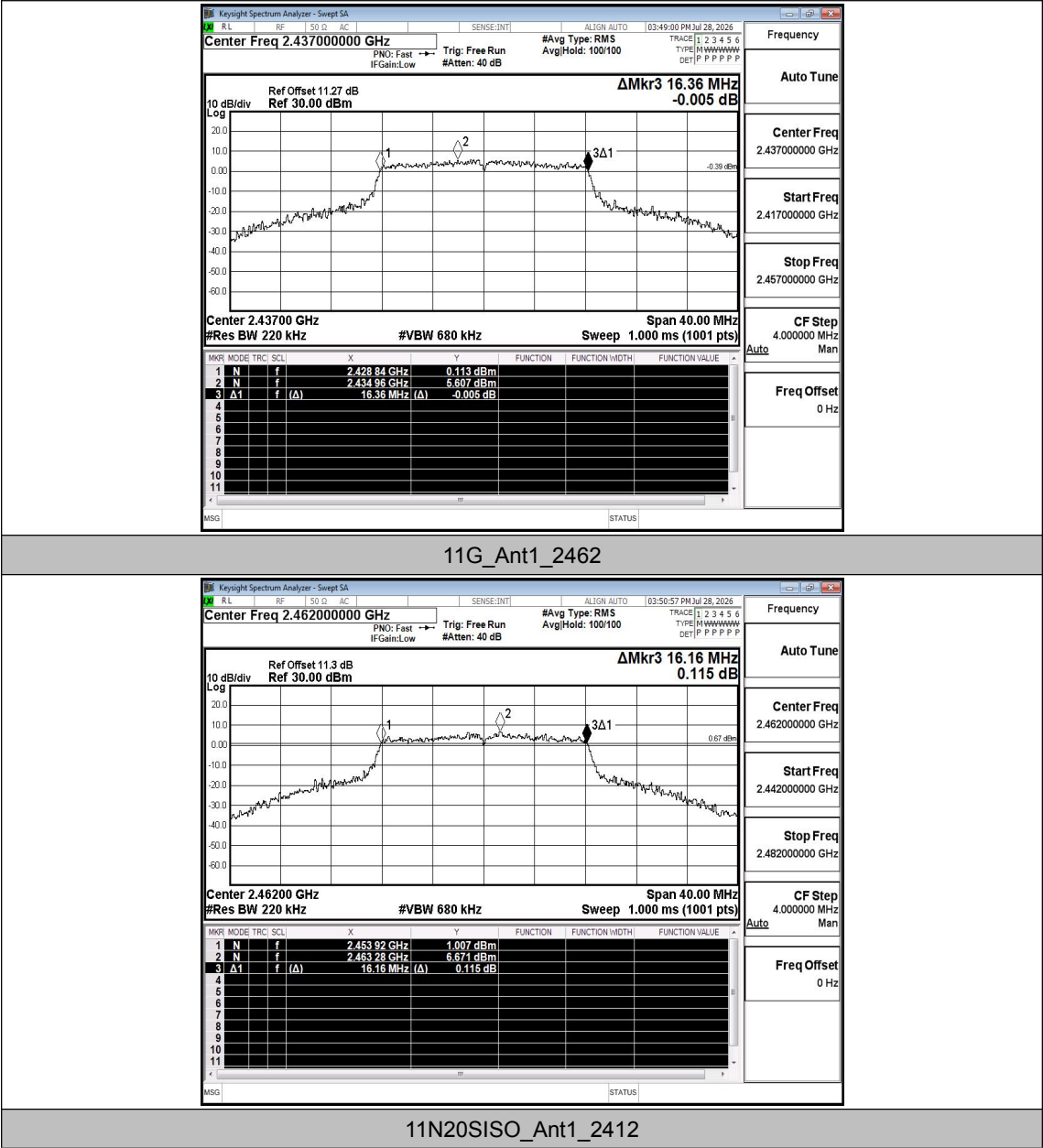
Test Result

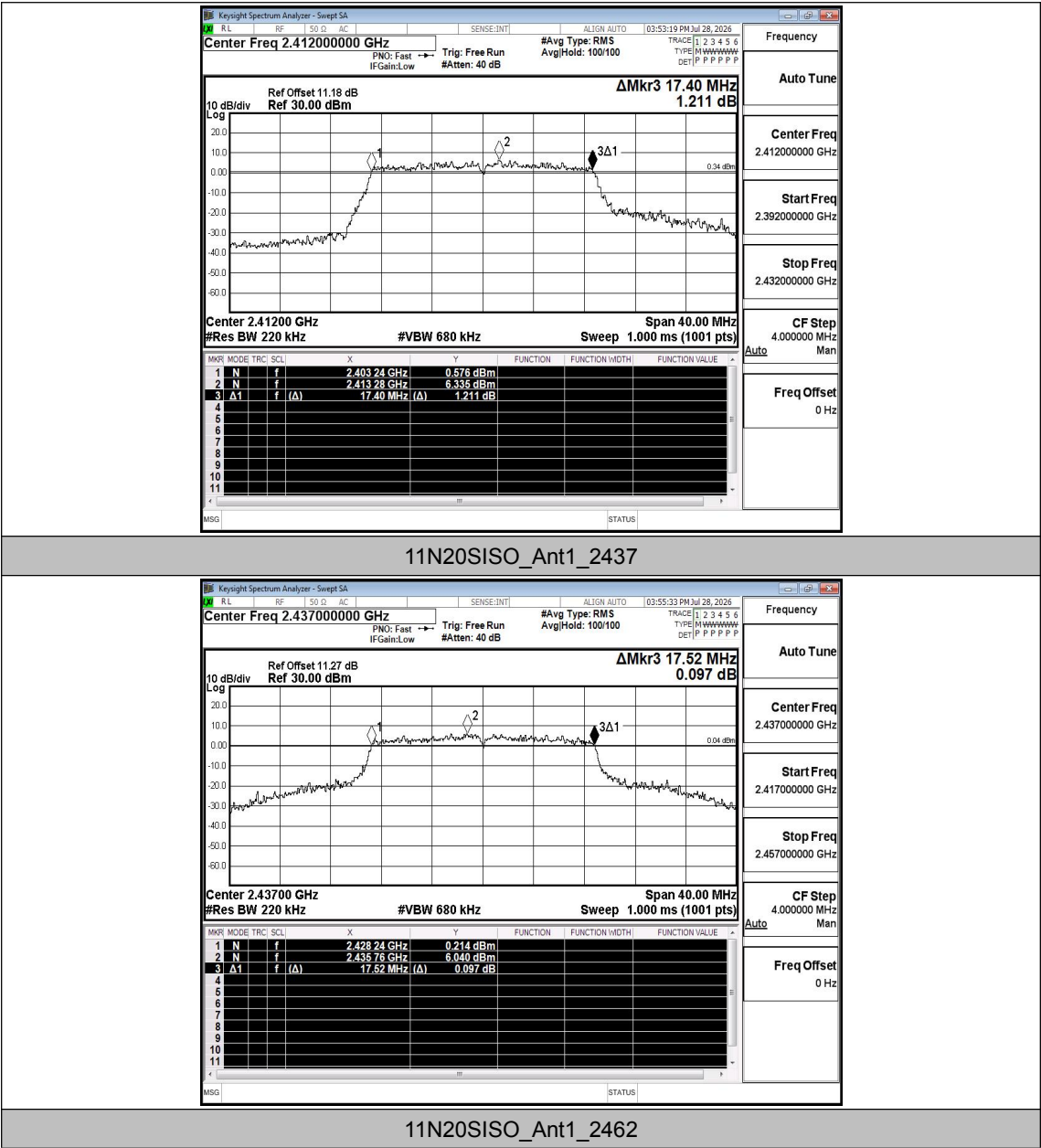
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	8.120	2432.960	2441.080	0.5	PASS
		2462	8.160	2457.960	2466.120	0.5	PASS
11G	Ant1	2412	16.280	2403.840	2420.120	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.160	2453.920	2470.080	0.5	PASS
11N20SISO	Ant1	2412	17.400	2403.240	2420.640	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.480	2453.280	2470.760	0.5	PASS

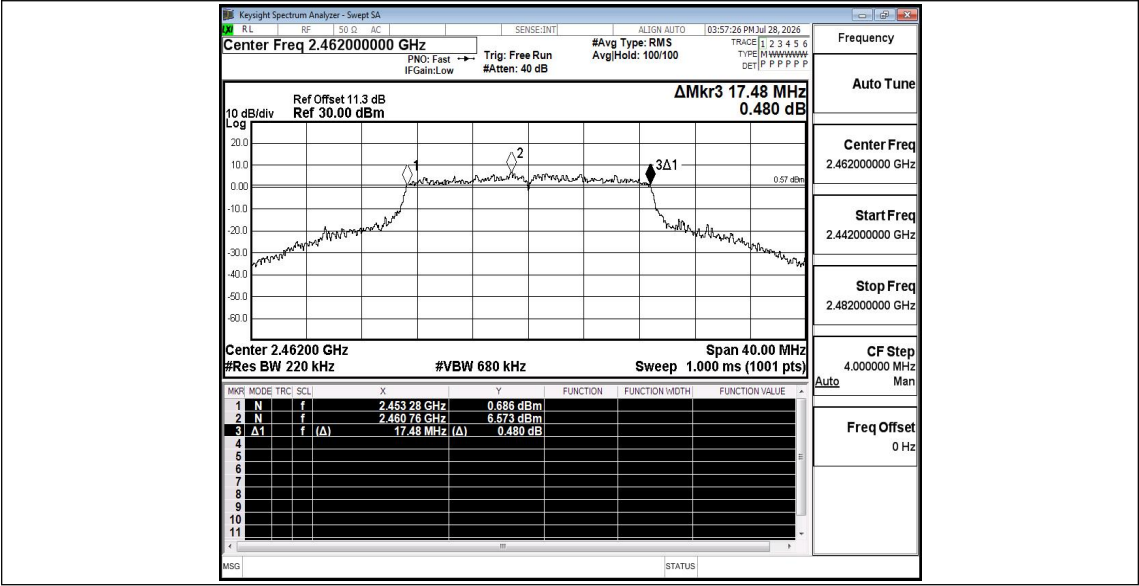
Test Graphs











A.2 Maximum Average conducted output power

Test Result

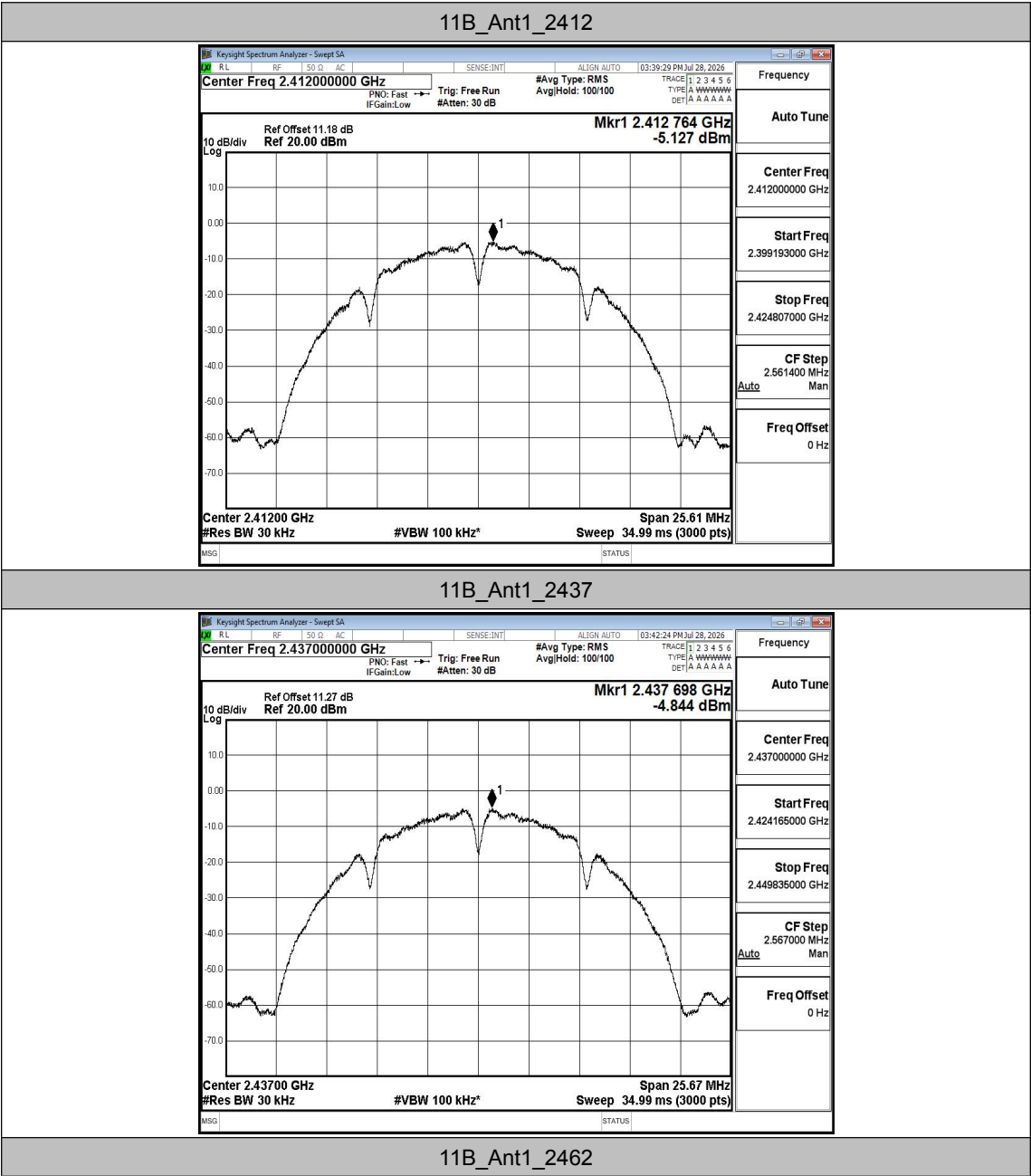
TestMode	Antenna	Frequency [MHz]	Measured Power	DC Factor [dB]	AV Power [dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.86	0.03	15.89	≤30.00	PASS
		2437	15.93	0.02	15.95	≤30.00	PASS
		2462	14.80	0.04	14.84	≤30.00	PASS
11G	Ant1	2412	15.45	0.18	15.63	≤30.00	PASS
		2437	15.67	0.18	15.85	≤30.00	PASS
		2462	15.55	0.15	15.70	≤30.00	PASS
11N20SISO	Ant1	2412	15.38	0.20	15.58	≤30.00	PASS
		2437	15.62	0.20	15.82	≤30.00	PASS
		2462	15.43	0.16	15.59	≤30.00	PASS

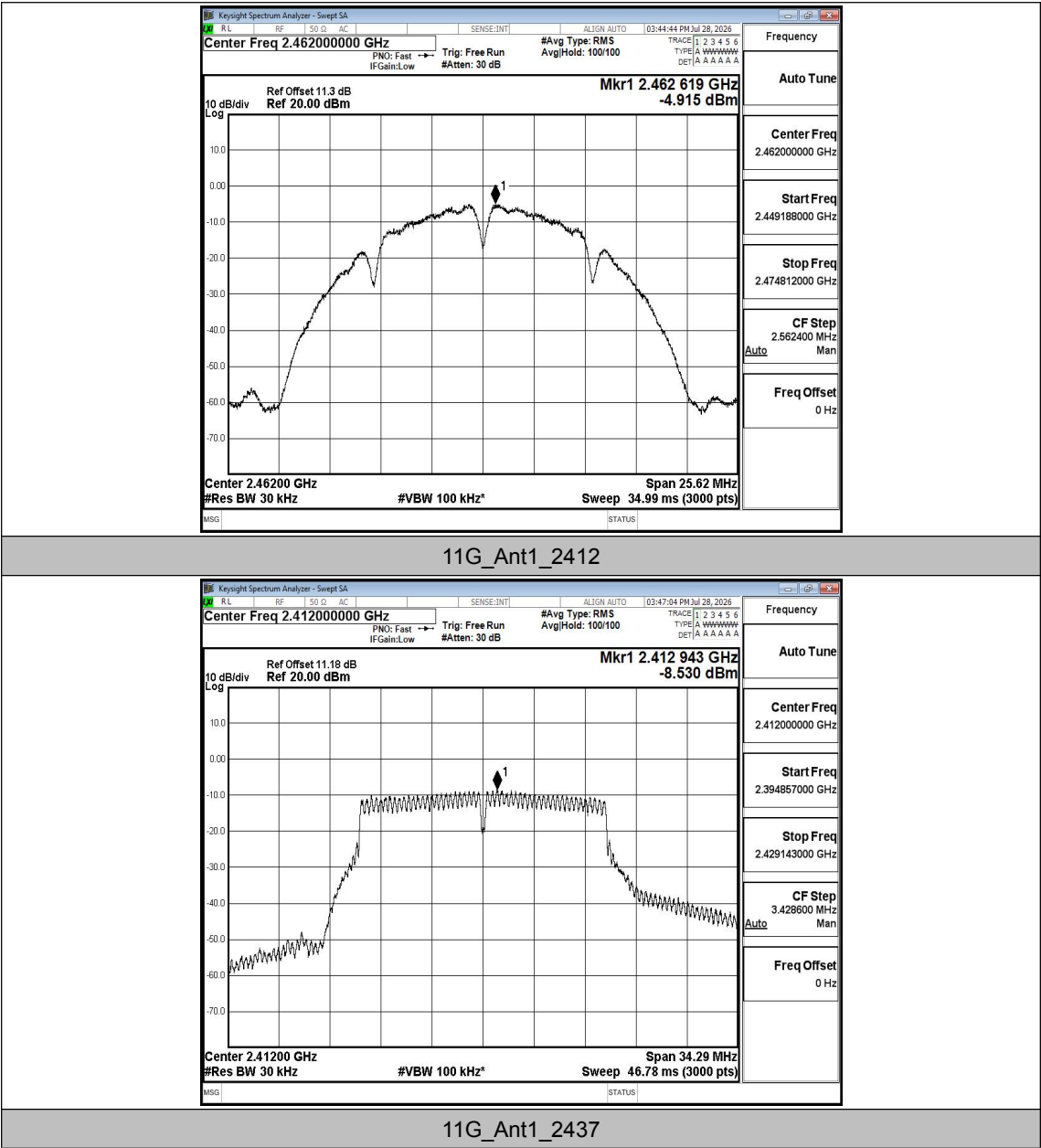
A.3 Maximum power spectral density

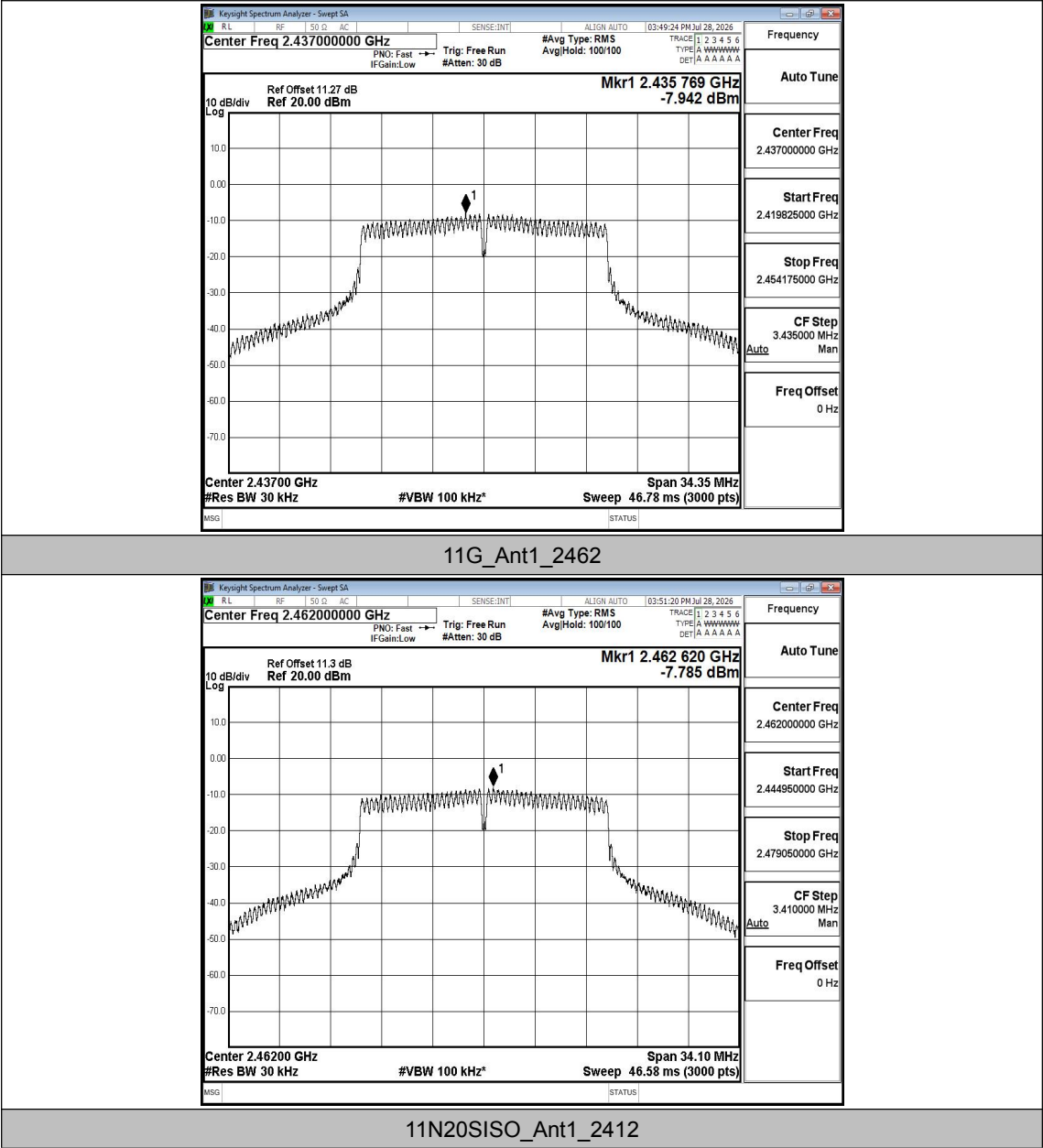
Test Result

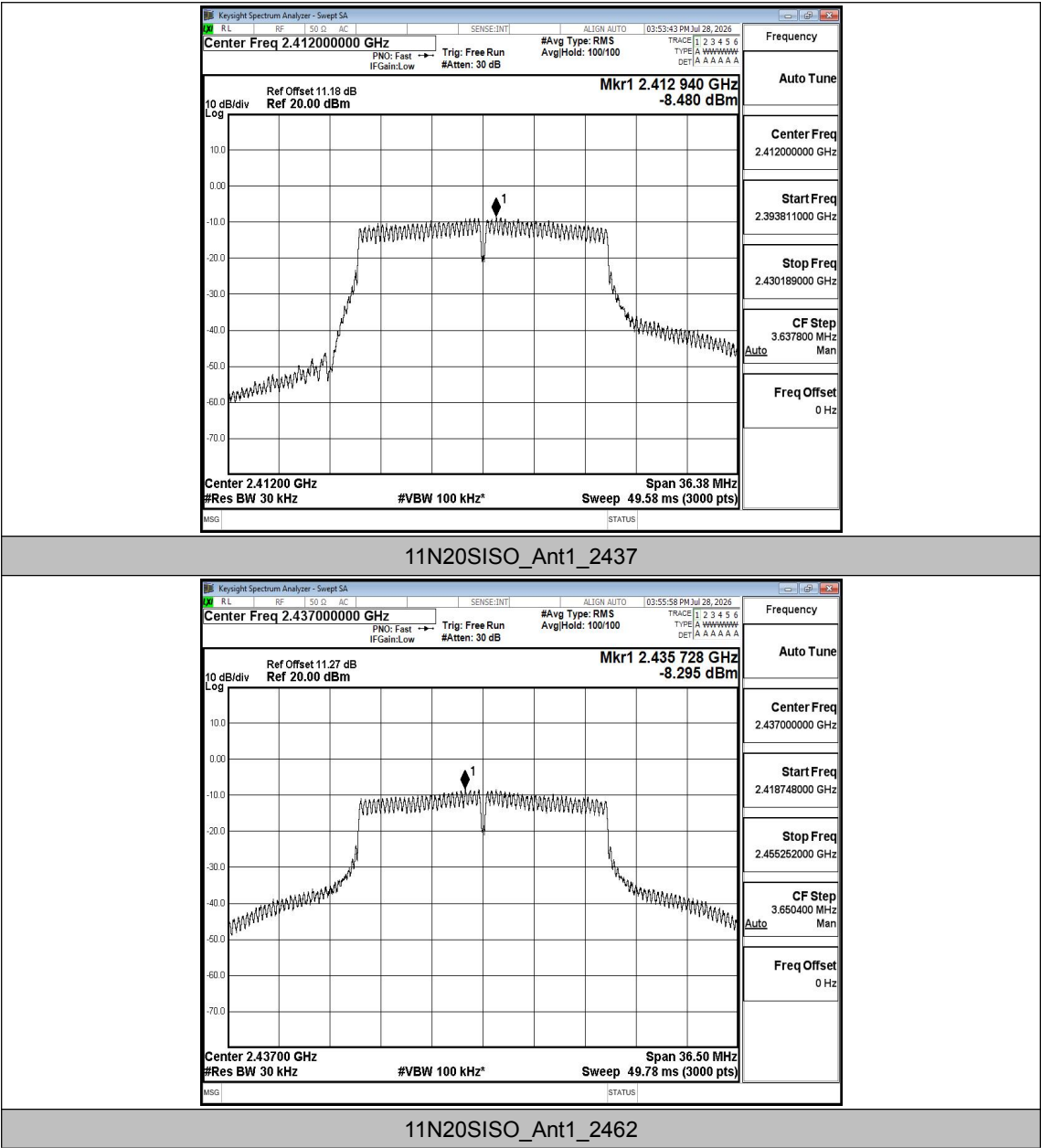
TestMode	Antenna	Frequency[MHz]	Measured PSD [dBm/30kHz]	DC Factor [dB]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.13	0.03	-5.10	-15.1	≤8.00	PASS
		2437	-4.84	0.02	-4.82	-14.82	≤8.00	PASS
		2462	-4.92	0.04	-4.88	-14.88	≤8.00	PASS
11G	Ant1	2412	-8.53	0.18	-8.35	-18.35	≤8.00	PASS
		2437	-7.94	0.18	-7.76	-17.76	≤8.00	PASS
		2462	-7.79	0.15	-7.64	-17.64	≤8.00	PASS
11N20SISO	Ant1	2412	-8.48	0.20	-8.28	-18.28	≤8.00	PASS
		2437	-8.3	0.20	-8.10	-18.1	≤8.00	PASS
		2462	-8.36	0.16	-8.20	-18.2	≤8.00	PASS

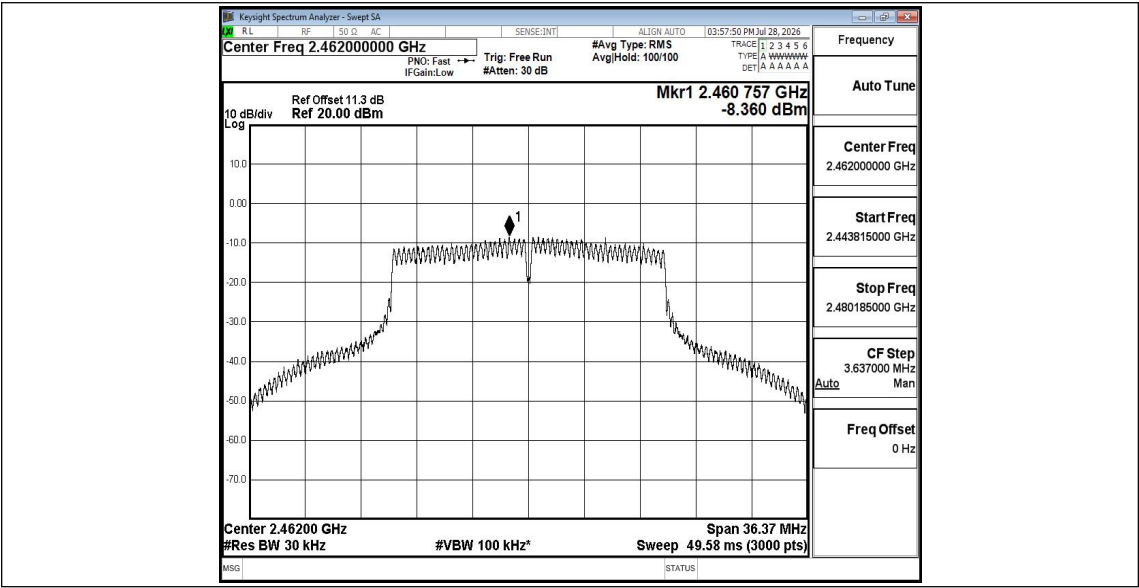
Test Graphs









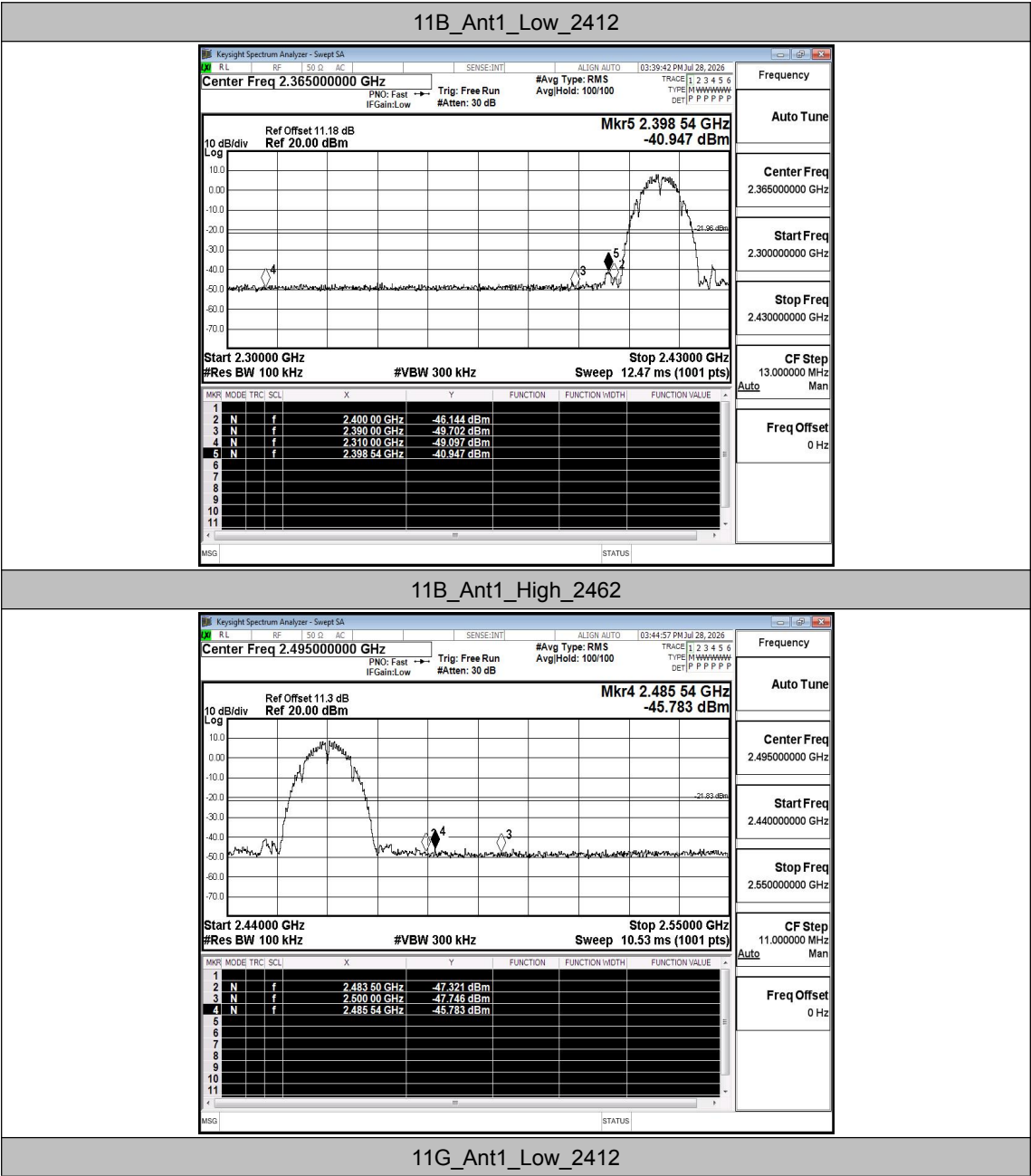


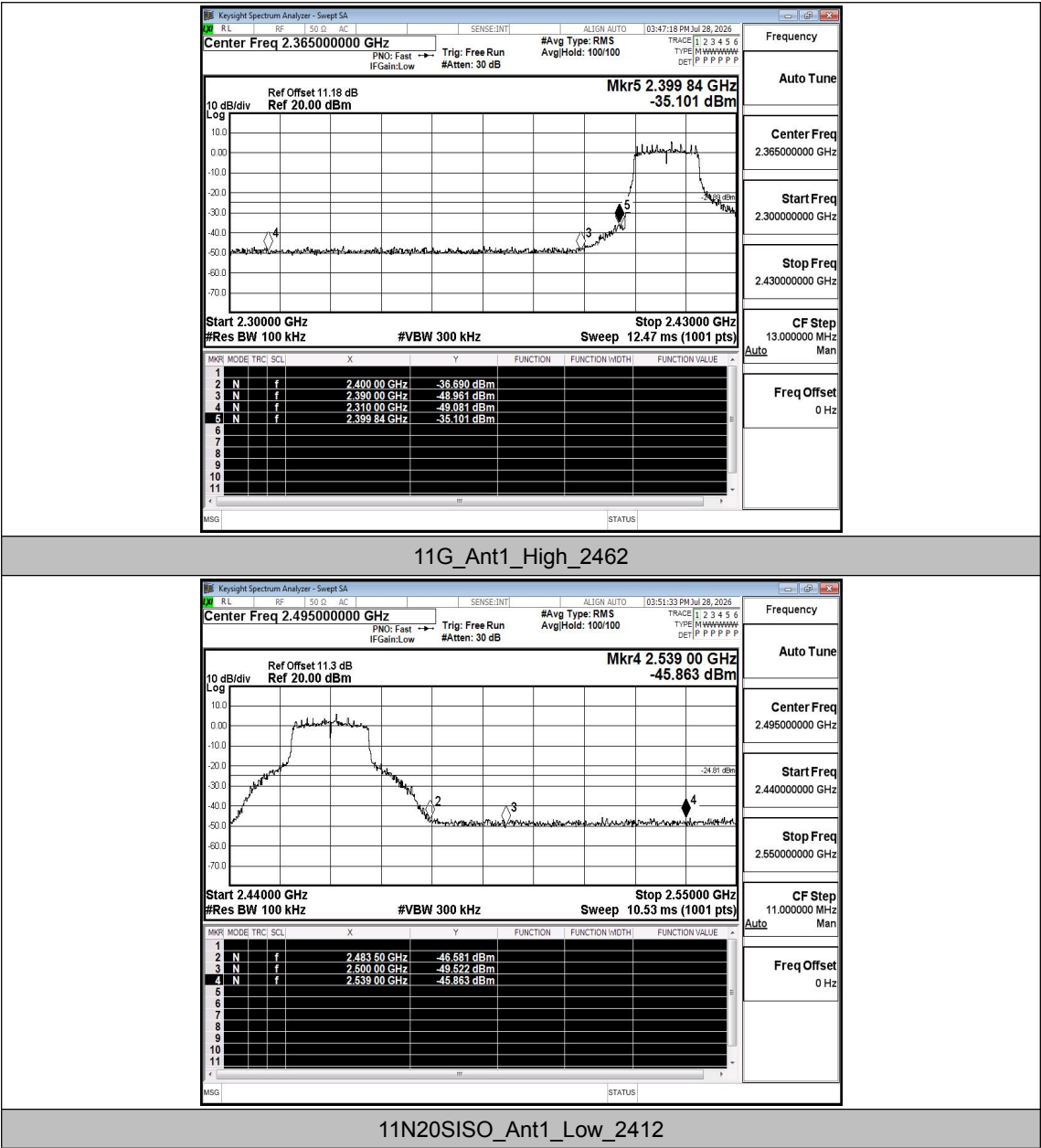
A.4 Band edge measurements

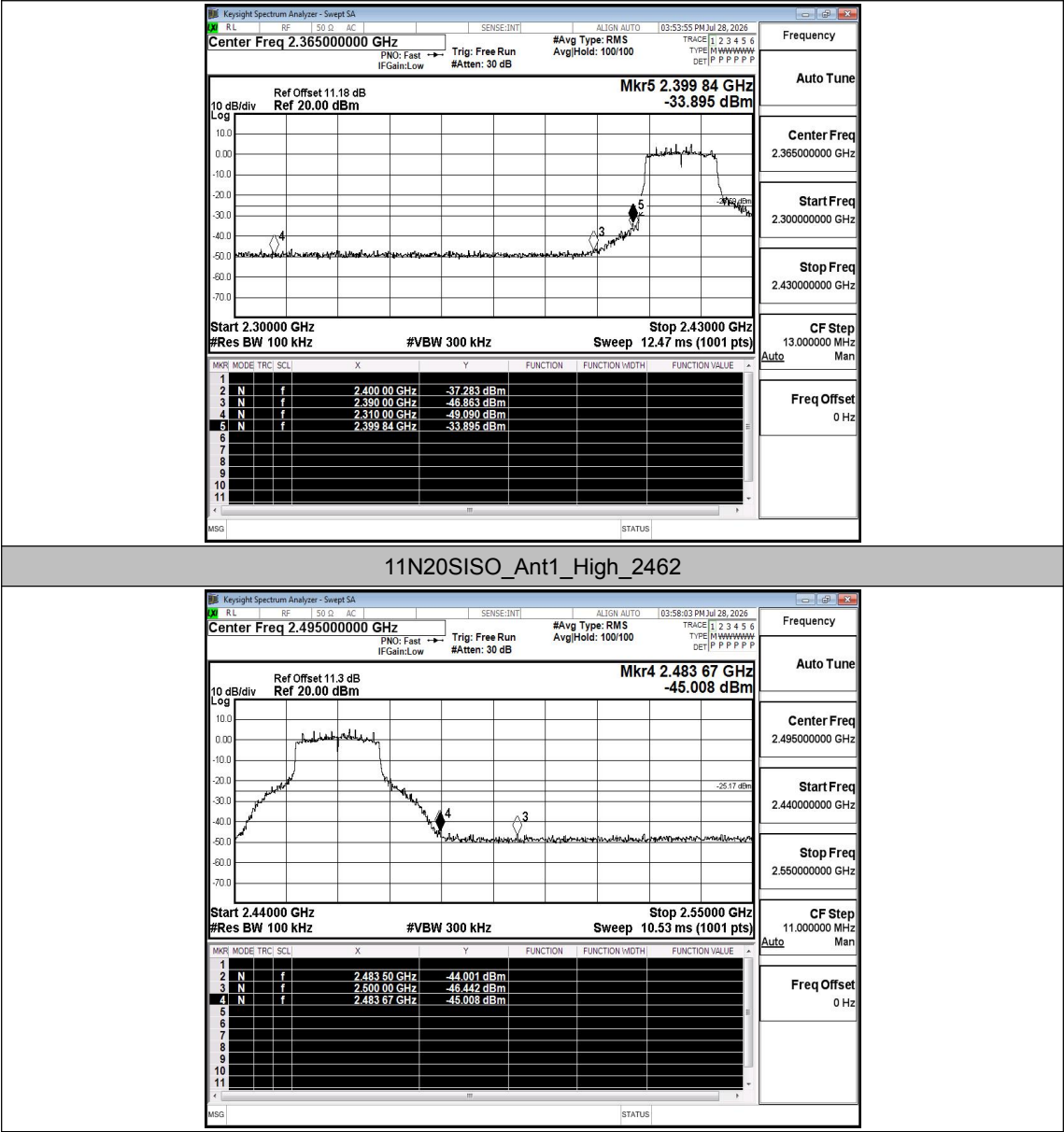
Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.04	-40.95	≤-21.96	PASS
		High	2462	8.17	-45.78	≤-21.83	PASS
11G	Ant1	Low	2412	5.11	-35.1	≤-24.89	PASS
		High	2462	5.19	-45.86	≤-24.81	PASS
11N20SISO	Ant1	Low	2412	4.41	-33.9	≤-25.59	PASS
		High	2462	4.83	-45.01	≤-25.17	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	6.91	6.91	---	PASS
			30~1000	6.91	-62.7	≤-23.09	PASS
			1000~26500	6.91	-43.92	≤-23.09	PASS
		2437	Reference	7.17	7.17	---	PASS
			30~1000	7.17	-61.67	≤-22.83	PASS
			1000~26500	7.17	-44.36	≤-22.83	PASS
		2462	Reference	6.40	6.40	---	PASS
			30~1000	6.40	-63.23	≤-23.6	PASS
			1000~26500	6.40	-44.43	≤-23.6	PASS
11G	Ant1	2412	Reference	3.99	3.99	---	PASS
			30~1000	3.99	-63.8	≤-26.01	PASS
			1000~26500	3.99	-44.25	≤-26.01	PASS
		2437	Reference	2.70	2.70	---	PASS
			30~1000	2.70	-61.85	≤-27.3	PASS
			1000~26500	2.70	-43.97	≤-27.3	PASS
		2462	Reference	6.16	6.16	---	PASS
			30~1000	6.16	-63.46	≤-23.84	PASS
			1000~26500	6.16	-44.11	≤-23.84	PASS
11N20SISO	Ant1	2412	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-62.29	≤-26.13	PASS
			1000~26500	3.87	-43.79	≤-26.13	PASS
		2437	Reference	3.39	3.39	---	PASS
			30~1000	3.39	-63.59	≤-26.61	PASS
			1000~26500	3.39	-44.62	≤-26.61	PASS
		2462	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-65.05	≤-26.4	PASS
			1000~26500	3.60	-44.15	≤-26.4	PASS

Test Graphs

