



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Projector

Test Model: YD10

Environmental Conditions

Temperature:	21.1° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mark Chen
Supervised by:	Libin

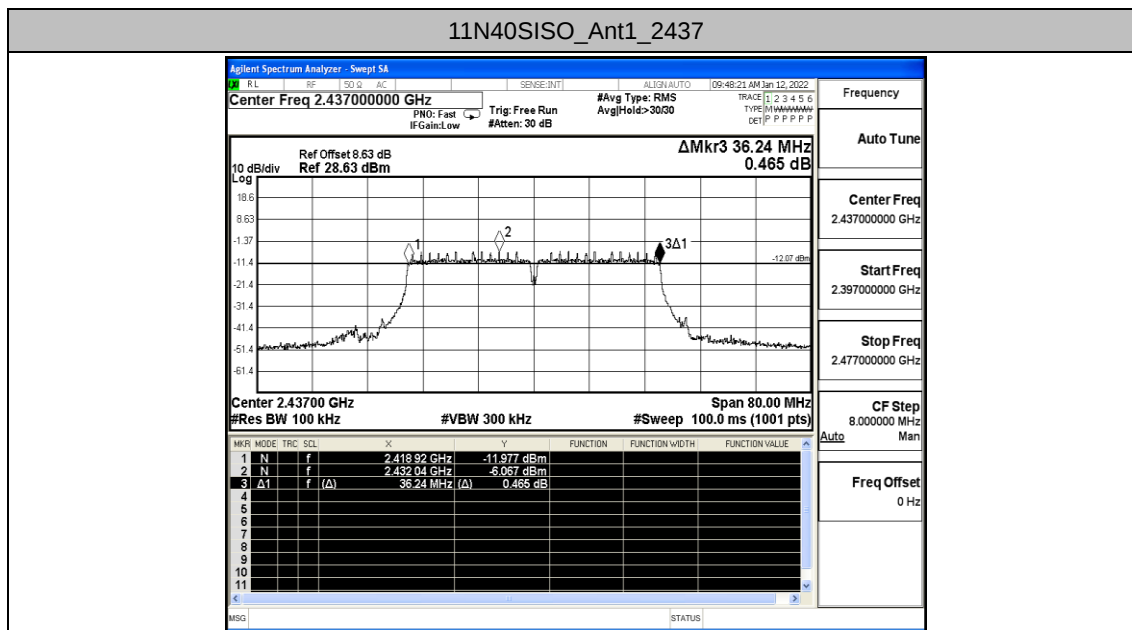


A.1 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N40SISO	Ant1	2437	36.240	2418.920	2455.160	0.5	PASS

Test Graphs





A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11N40SISO	Ant1	2437	13.46	≤30.00	PASS

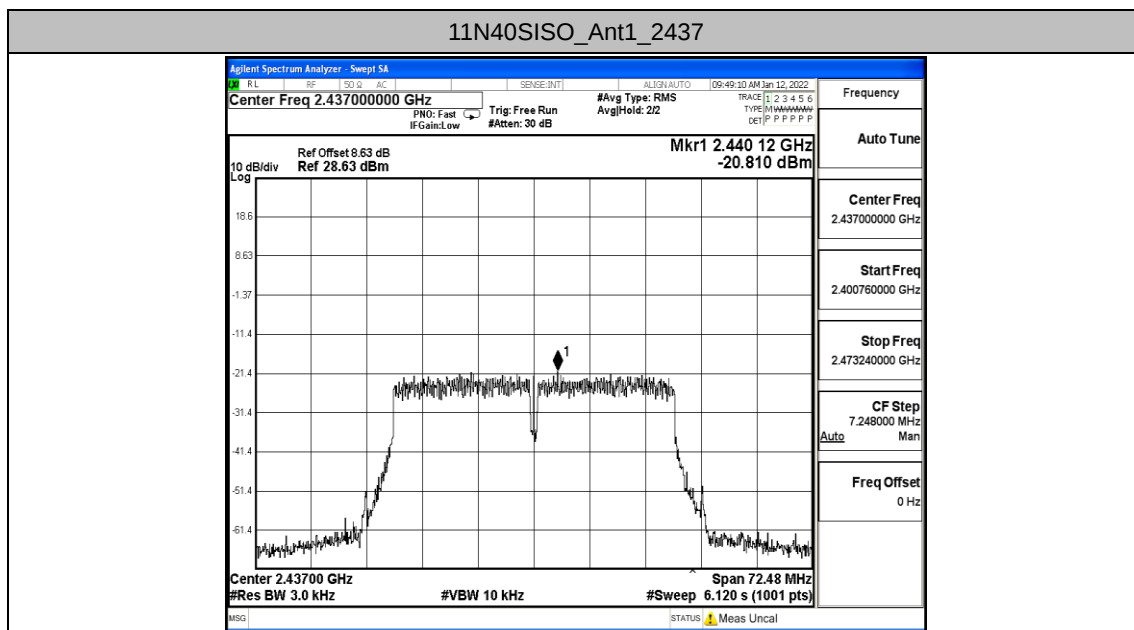


A.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N40SISO	Ant1	2437	-20.81	≤8.00	PASS

Test Graphs



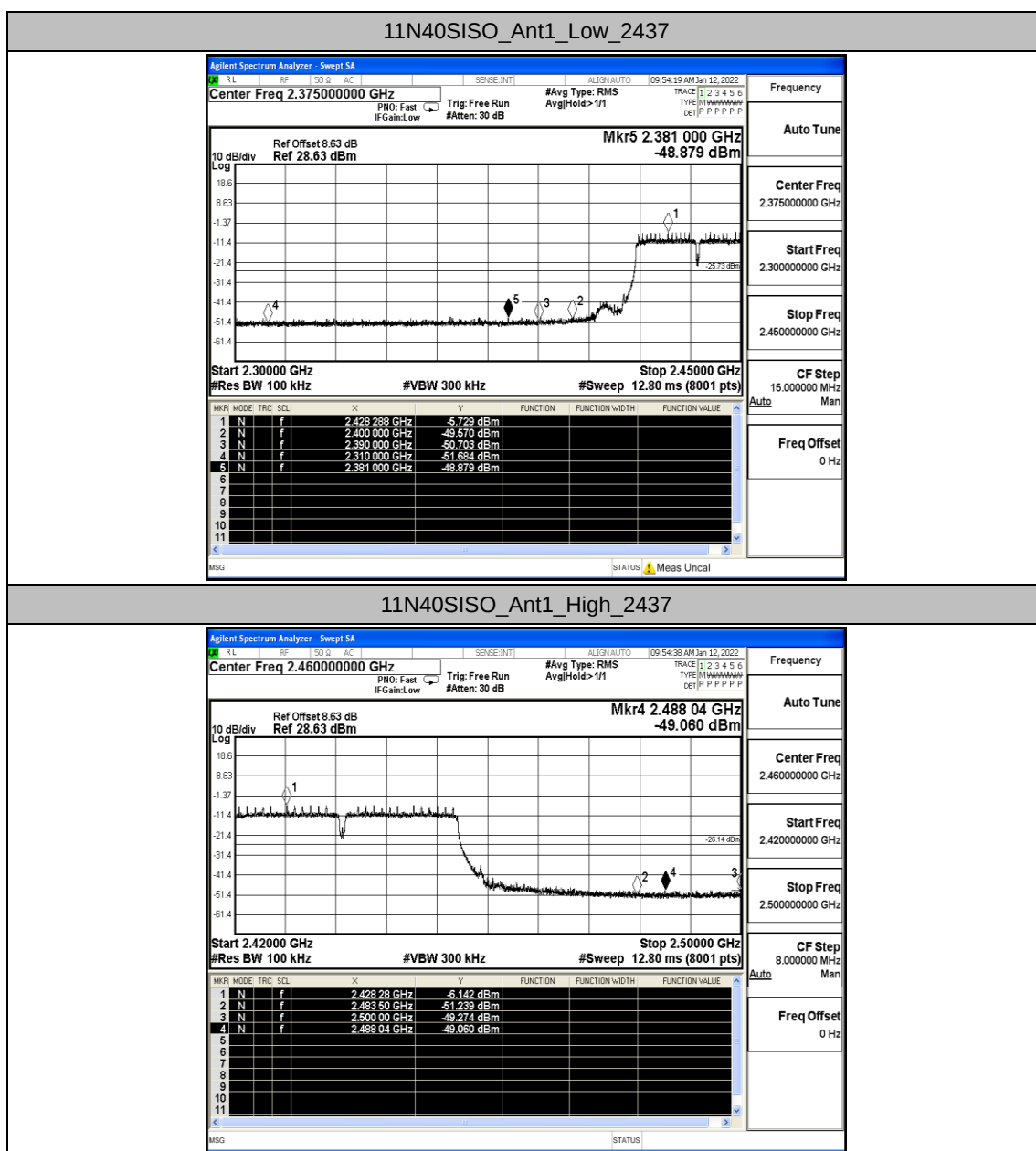


A.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11N40SISO	Ant1	Low	2437	-5.73	-48.88	≤-25.73	PASS
		High	2437	-6.14	-49.06	≤-26.14	PASS

Test Graphs



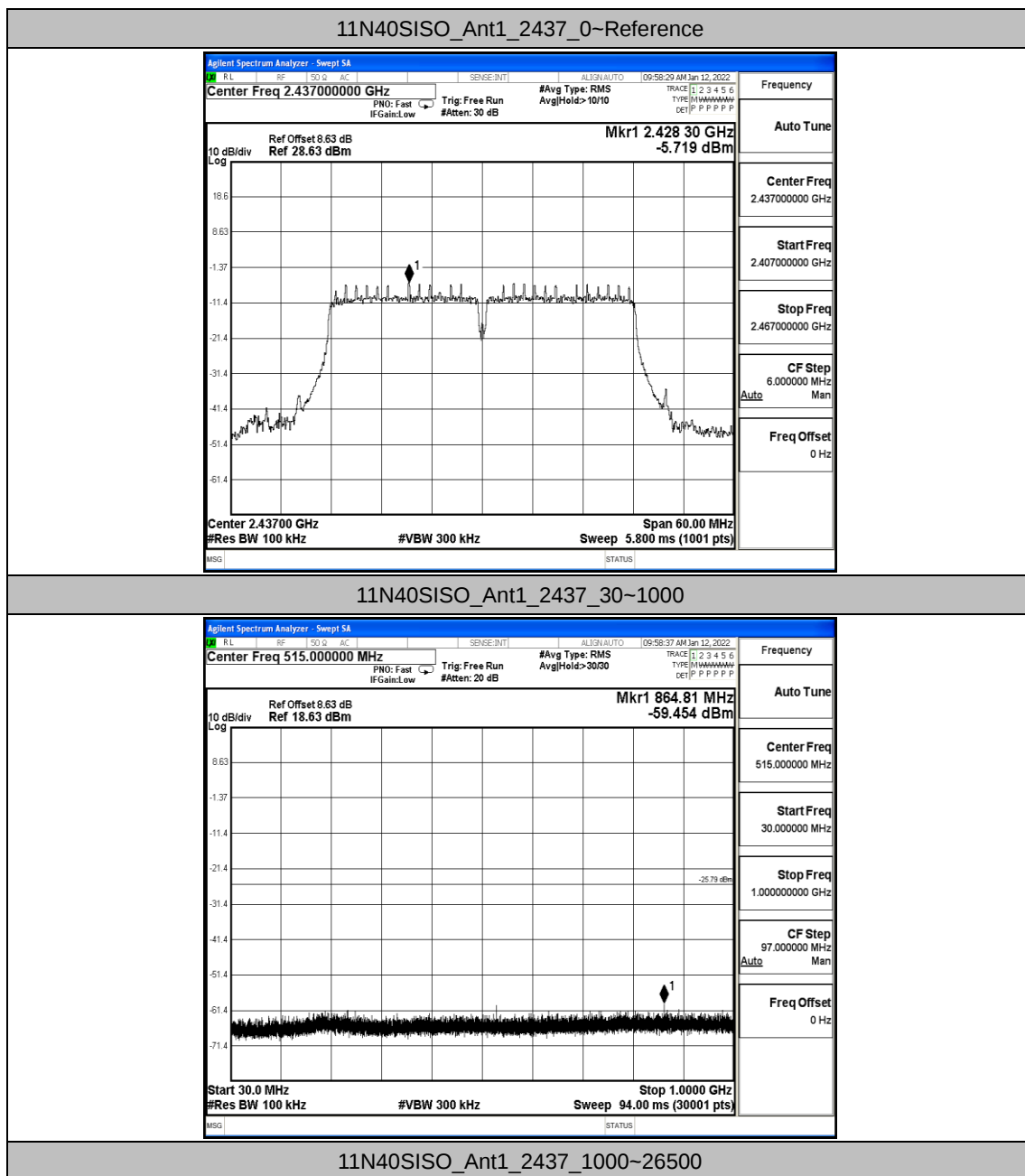


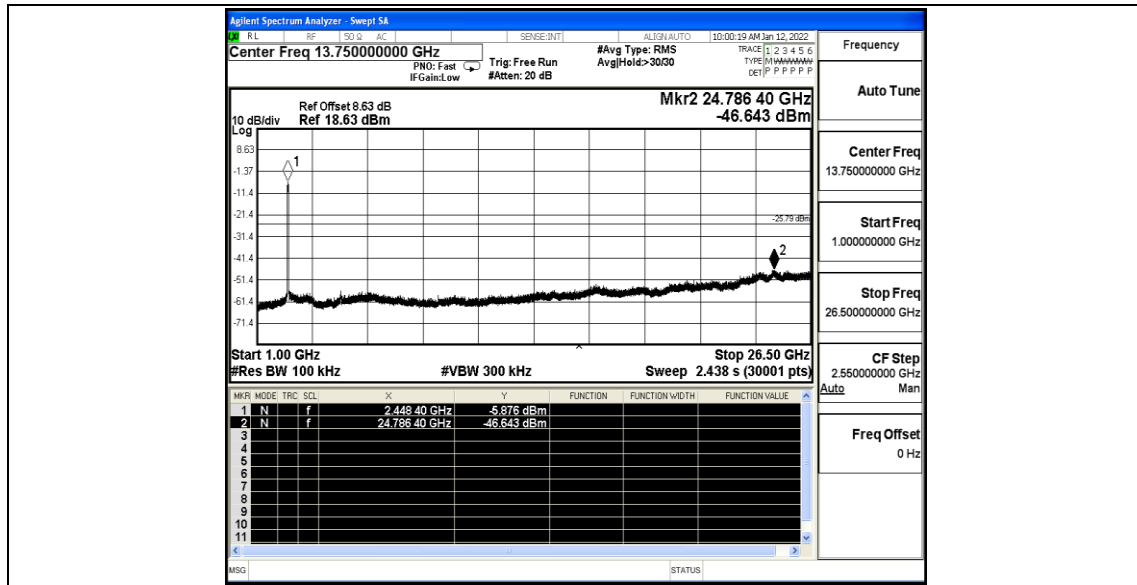
A.5 Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N40SISO	Ant1	2437	Reference	-5.79	-5.79	---	PASS
			30~1000	-5.79	-59.45	≤-25.79	PASS
			1000~26500	-5.79	-46.64	≤-25.79	PASS

Test Graphs





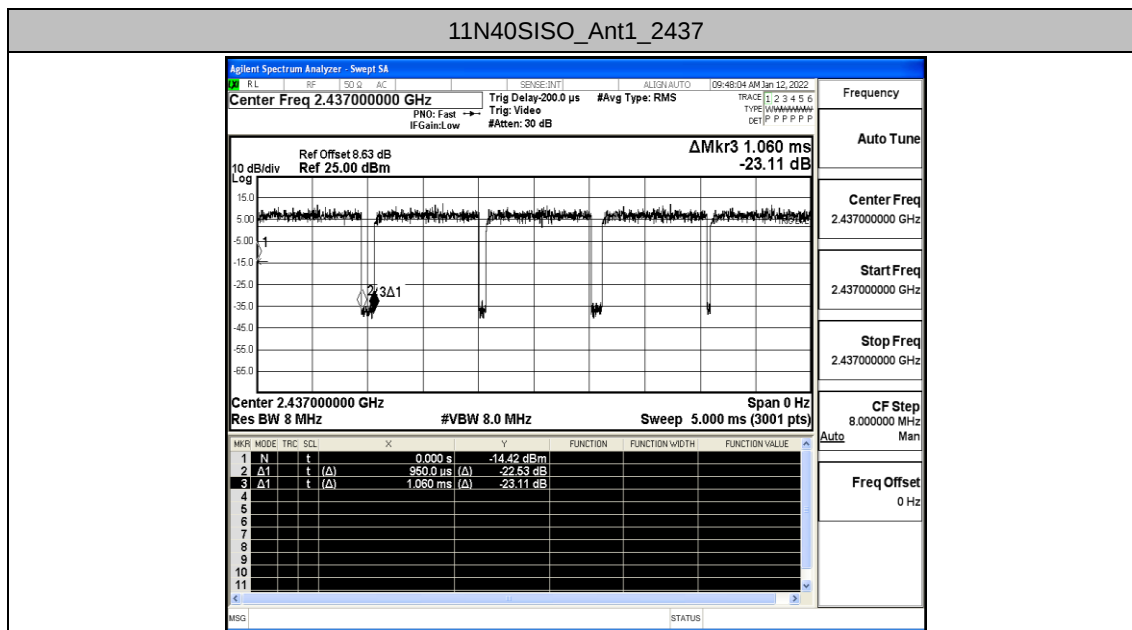


A.6 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11N40SISO	Ant1	2437	0.95	1.06	89.62	---	---

Test Graphs





A.7 Emissions in Restricted Bands

Test Result

Test Mode	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11N40 SISO	2437	AV	2310.000	-48.43	≤-41.20	46.77	≤54	PASS
		AV	2373.350	-47.65	≤-41.20	47.55	≤54	PASS
		AV	2390.000	-47.93	≤-41.20	47.27	≤54	PASS
		Peak	2310.000	-39	≤-21.20	56.20	≤74	PASS
		Peak	2381.600	-35.58	≤-21.20	59.62	≤74	PASS
		Peak	2390.000	-38.03	≤-21.20	57.17	≤74	PASS
	2437	AV	2483.500	-47.37	≤-41.20	47.83	≤54	PASS
		AV	2499.360	-46.85	≤-41.20	48.35	≤54	PASS
		AV	2500.000	-47.41	≤-41.20	47.79	≤54	PASS
		Peak	2483.500	-37.1	≤-21.20	58.10	≤74	PASS
		Peak	2484.320	-36.1	≤-21.20	59.10	≤74	PASS
		Peak	2500.000	-36.87	≤-21.20	58.33	≤74	PASS

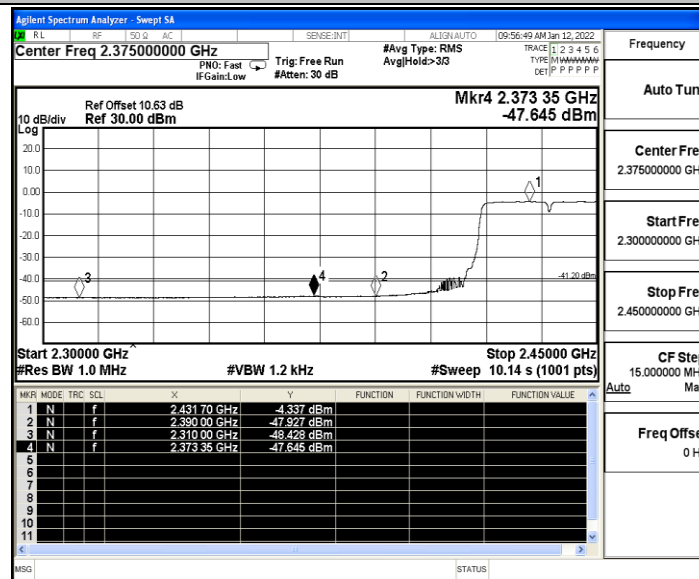
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

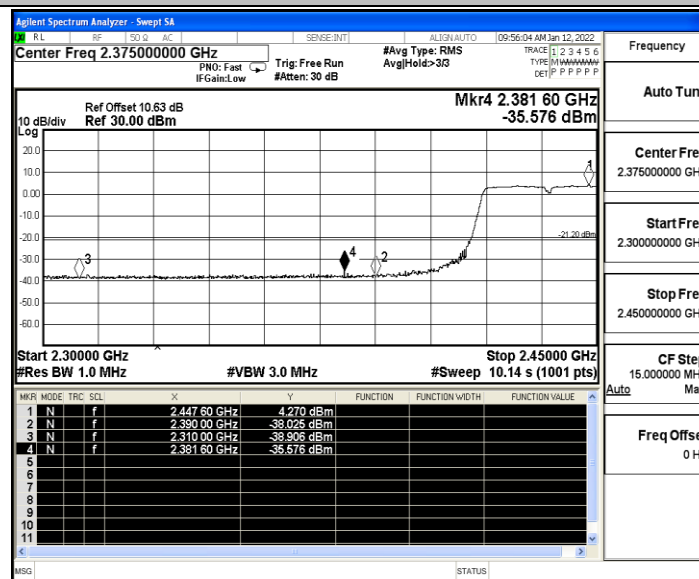


Test Graphs

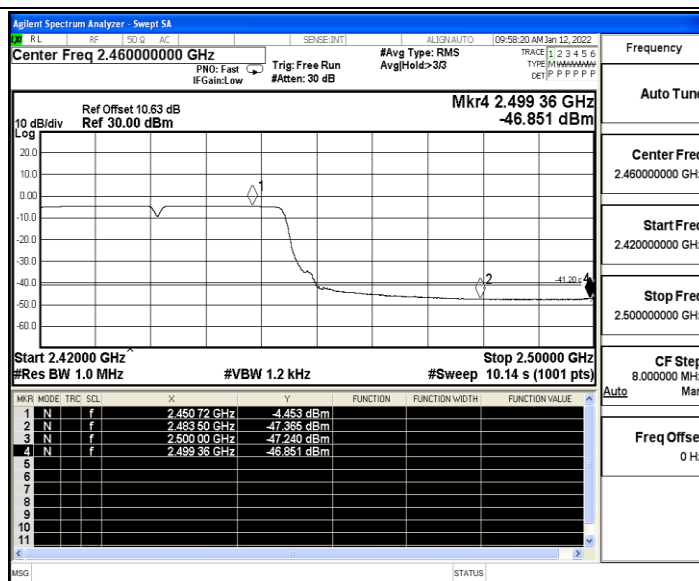
11N40SISO_Ant1_Low_2437_AV



11N40SISO_Ant1_Low_2437_Peak



11N40SISO_Ant1_High_2437_AV



11N40SISO Ant1 High 2437 Peak

