



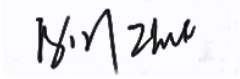
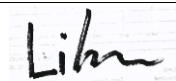
Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Dash cam

Test Model: INNOVV K5

Environmental Conditions

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



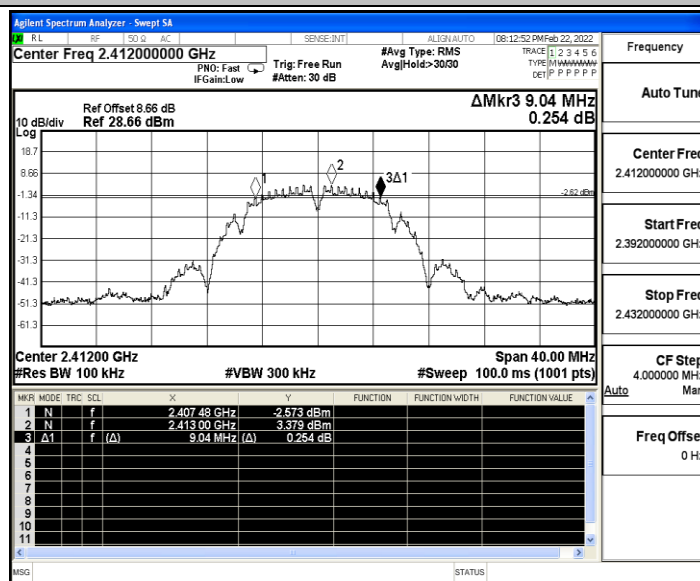
A.1 6dB Bandwidth

Test Result

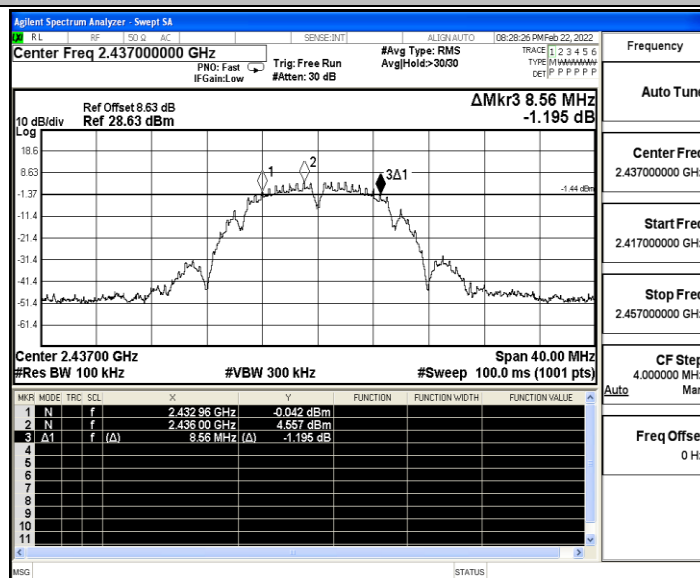
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	8.560	2432.960	2441.520	0.5	PASS
		2462	9.040	2457.480	2466.520	0.5	PASS

Test Graphs

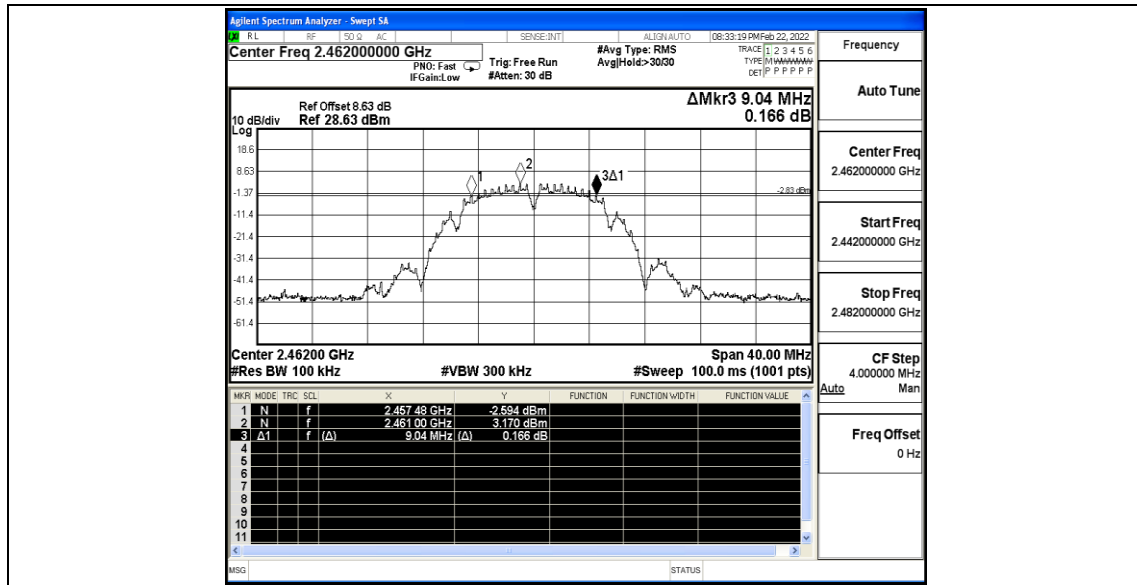
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462





A.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.74	≤30.00	PASS
		2437	14.85	≤30.00	PASS
		2462	14.70	≤30.00	PASS

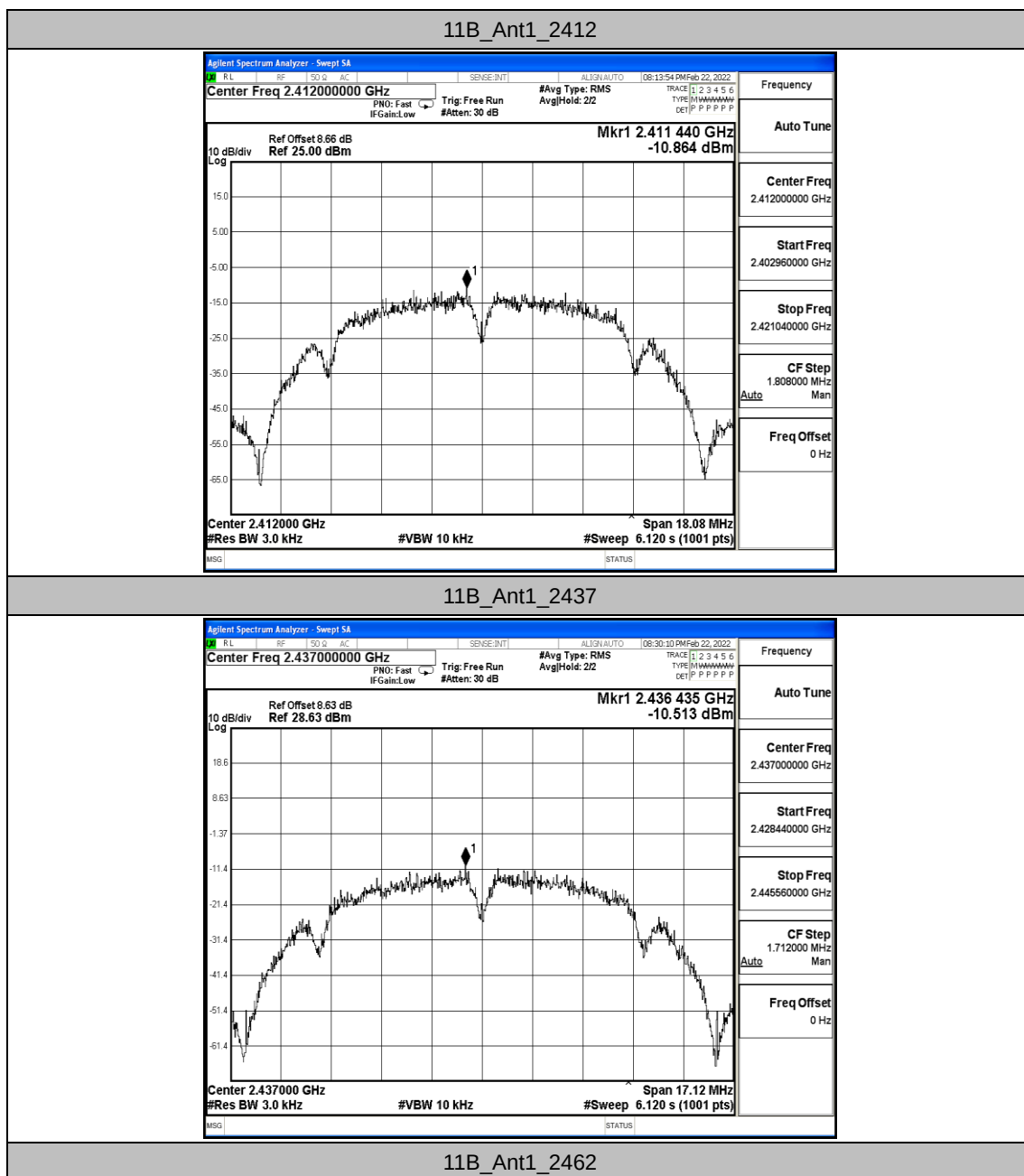


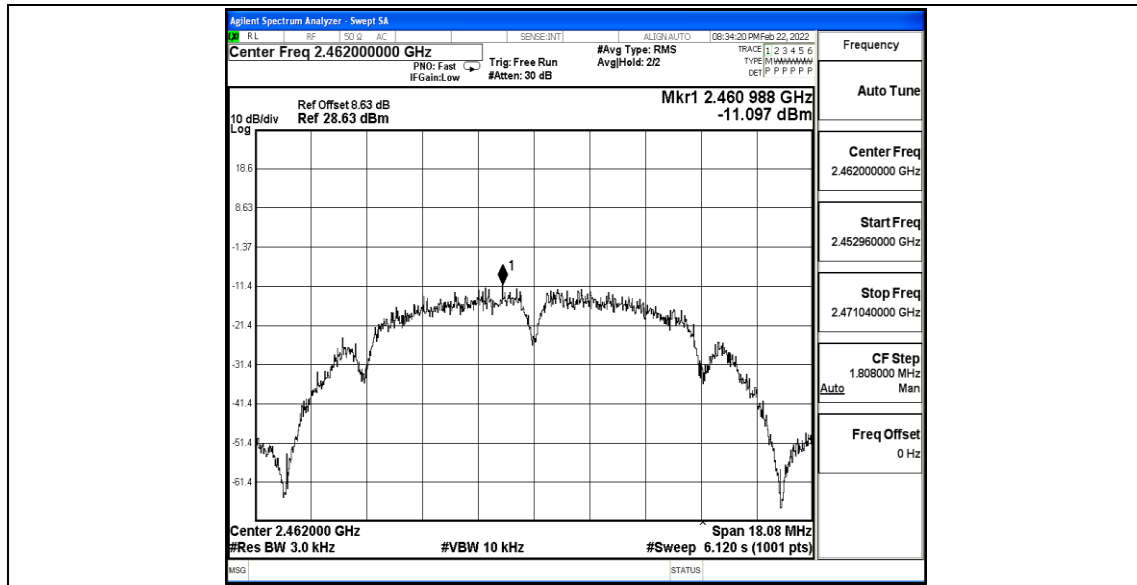
A.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.86	≤8.00	PASS
		2437	-10.51	≤8.00	PASS
		2462	-11.1	≤8.00	PASS

Test Graphs





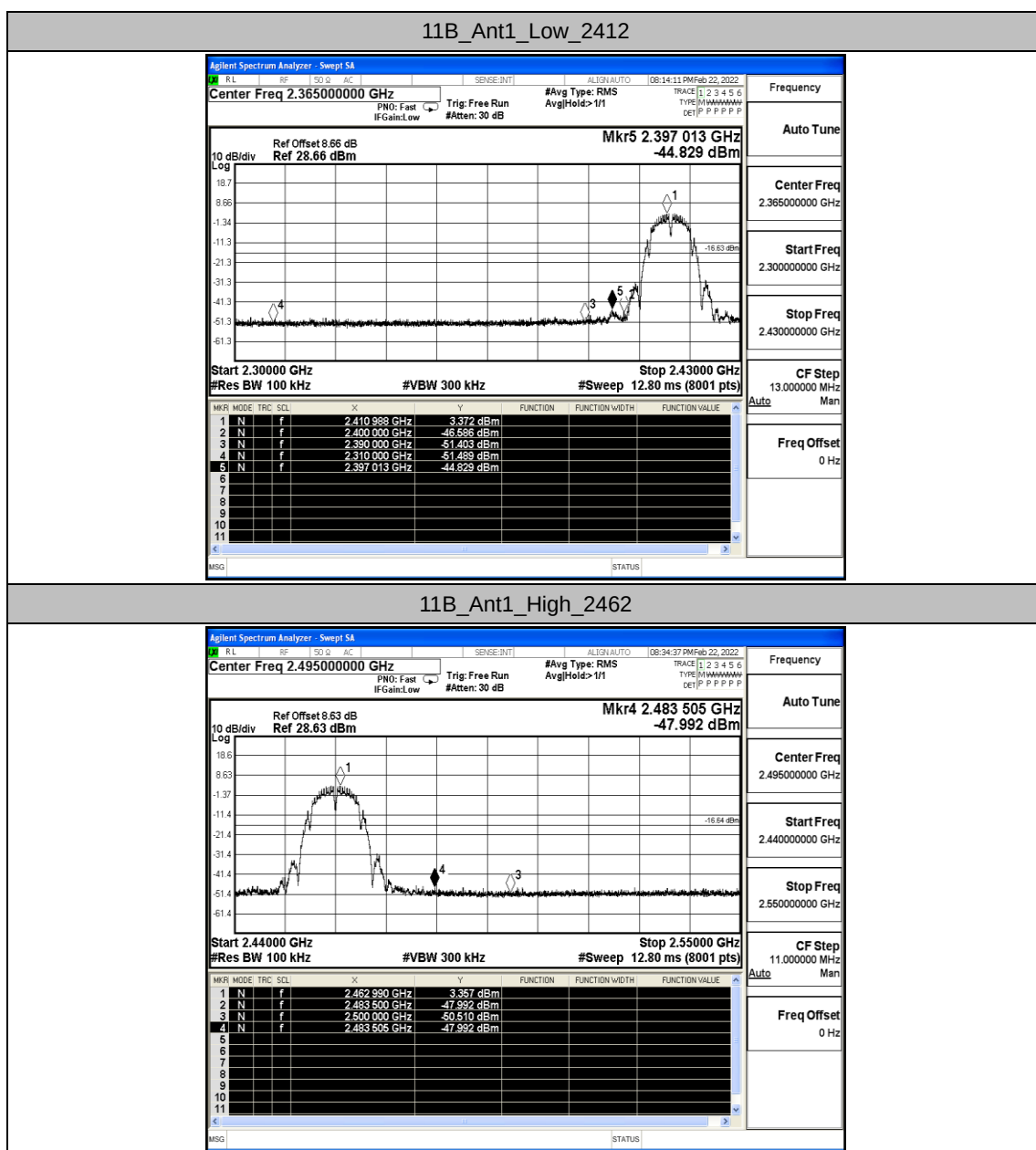


A.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.37	-44.83	≤-16.63	PASS
		High	2462	3.36	-47.99	≤-16.64	PASS

Test Graphs



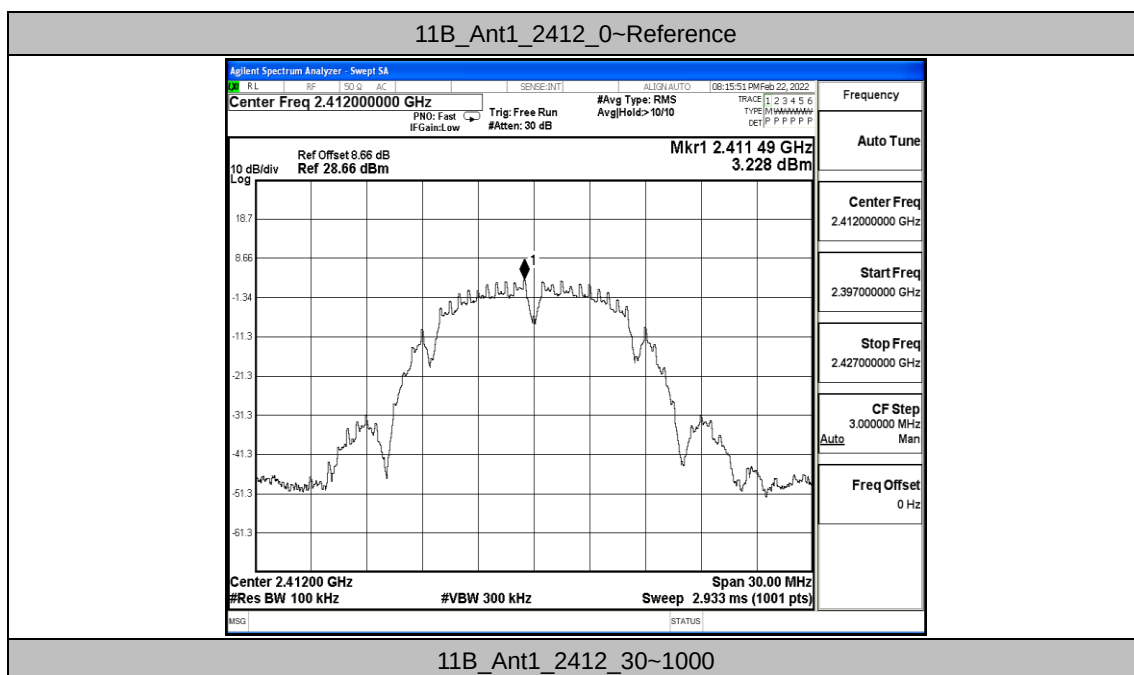


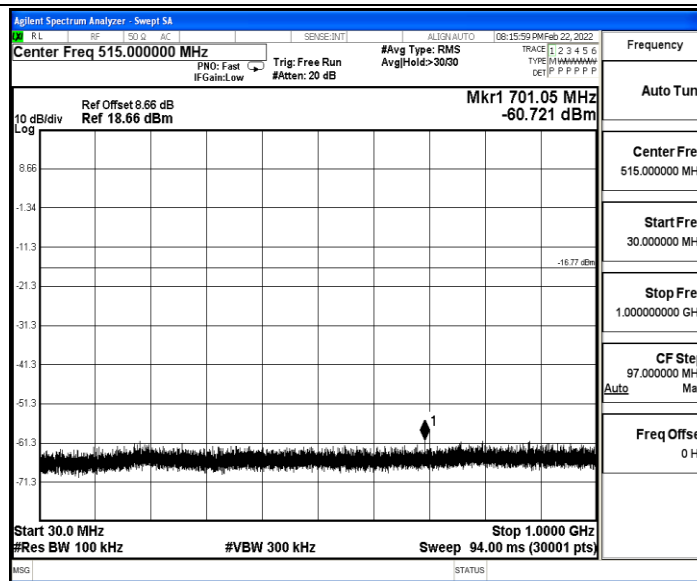
A.5 Conducted Spurious Emission

Test Result

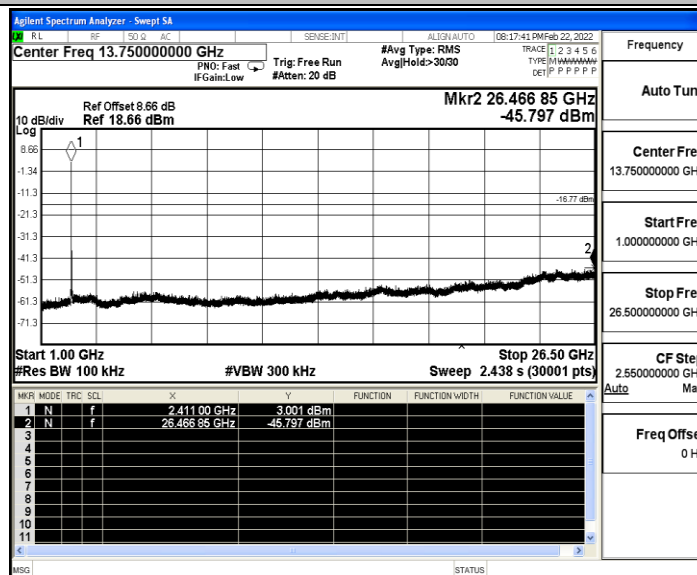
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.23	3.23	---	PASS
			30~1000	3.23	-60.72	≤-16.77	PASS
			1000~26500	3.23	-45.8	≤-16.77	PASS
		2437	Reference	3.55	3.55	---	PASS
			30~1000	3.55	-60.41	≤-16.45	PASS
			1000~26500	3.55	-45.99	≤-16.45	PASS
		2462	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-60.72	≤-16.68	PASS
			1000~26500	3.32	-46.05	≤-16.68	PASS

Test Graphs

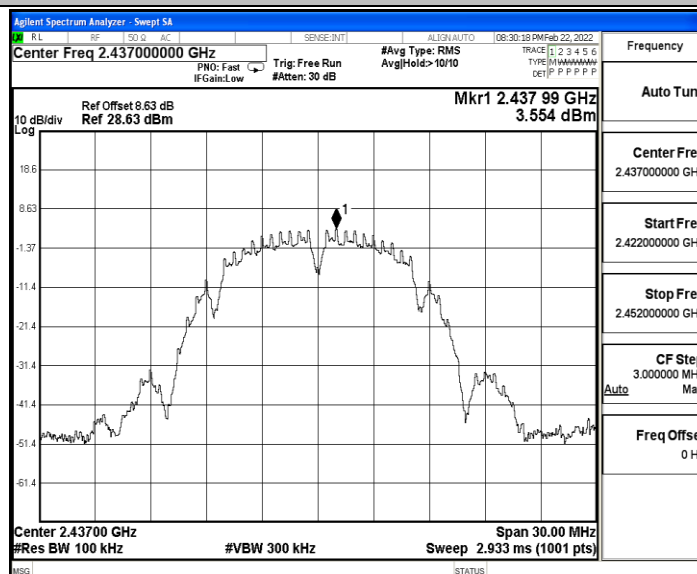




11B_Ant1_2412_1000~26500

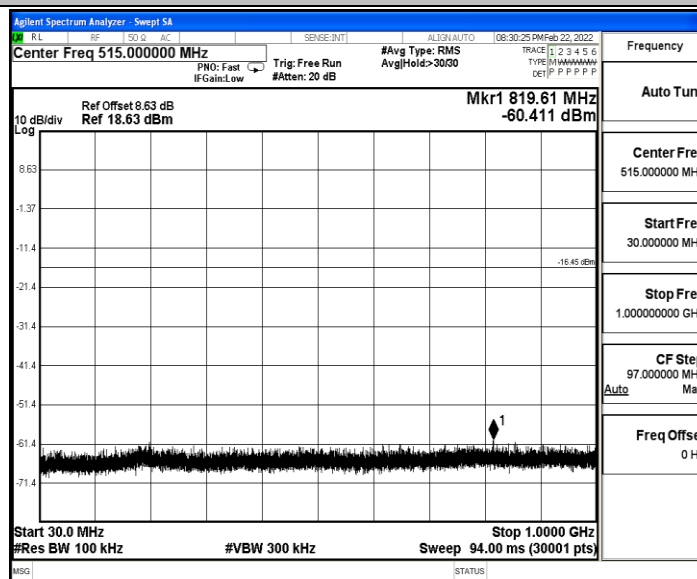


11B_Ant1_2437_0~Reference

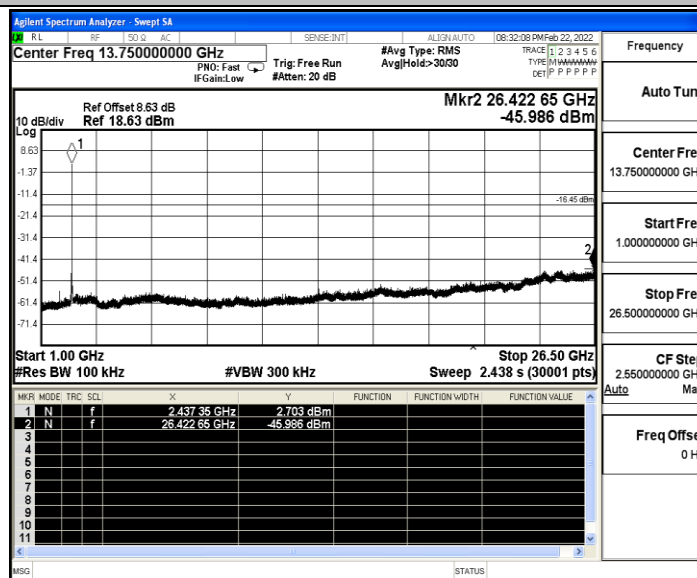




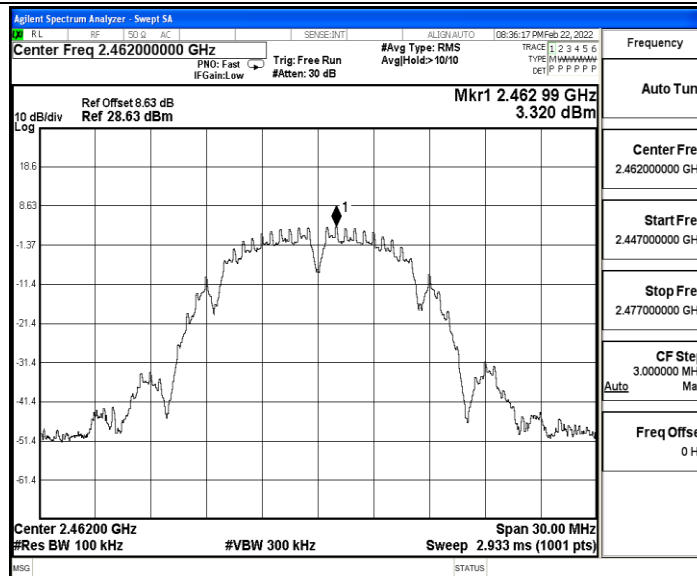
11B_Ant1_2437_30~1000



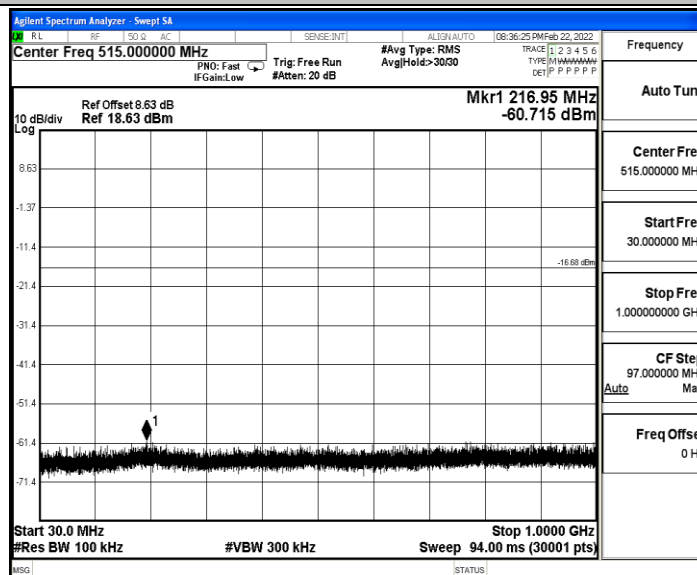
11B_Ant1_2437_1000~26500



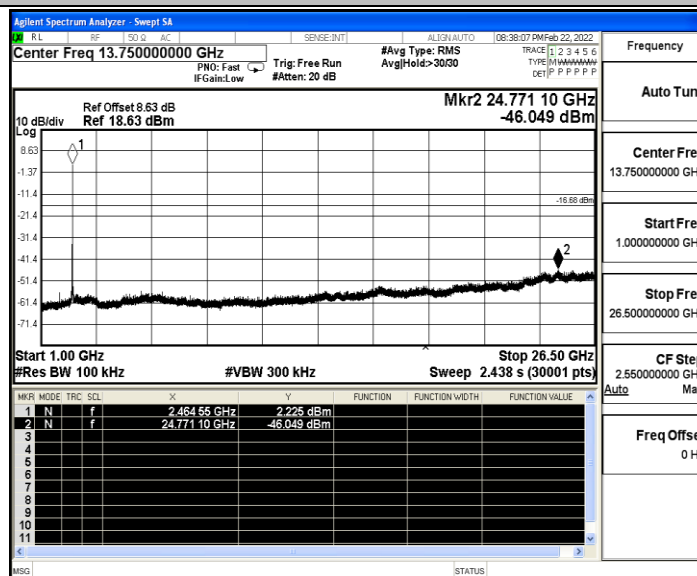
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



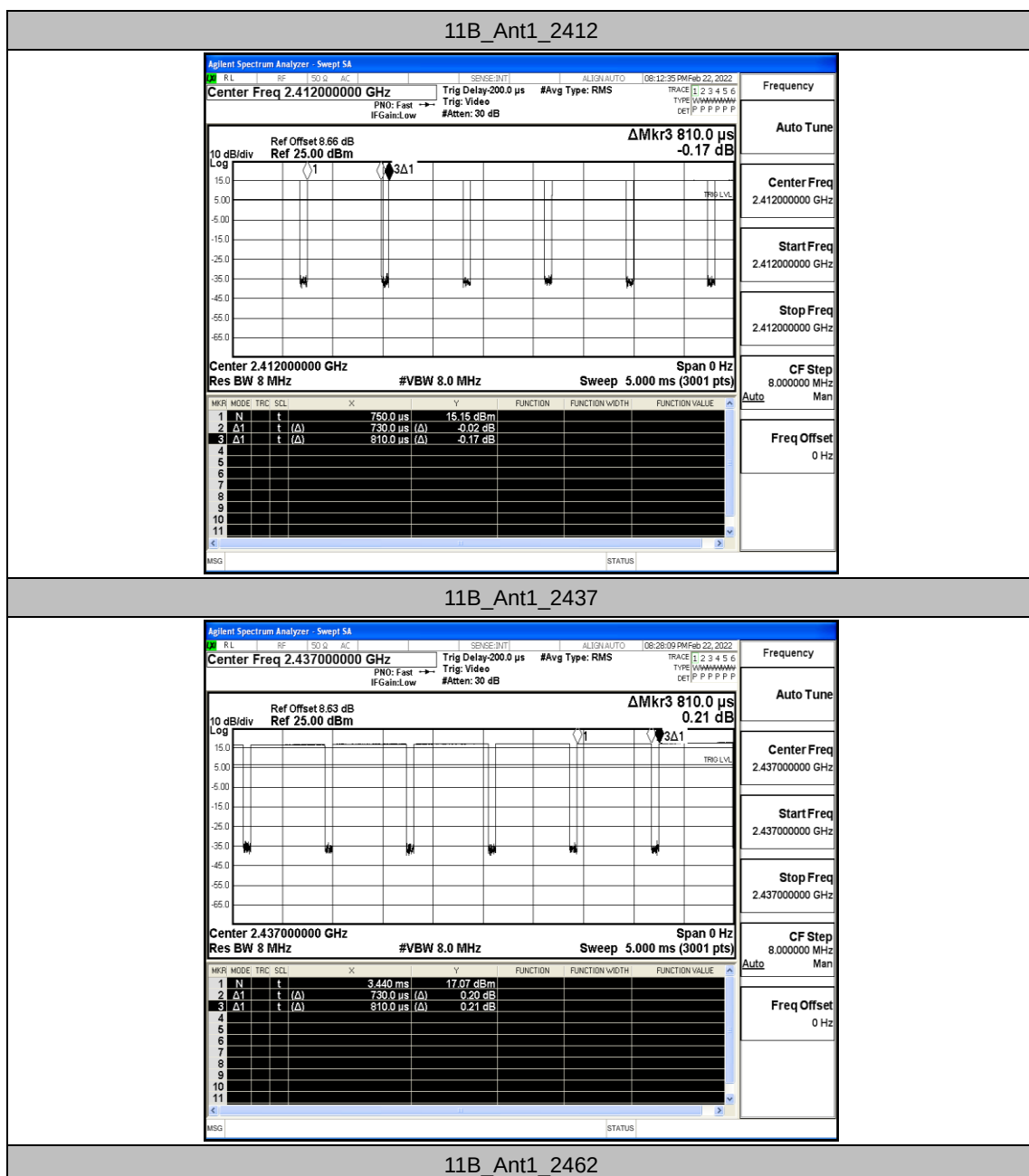


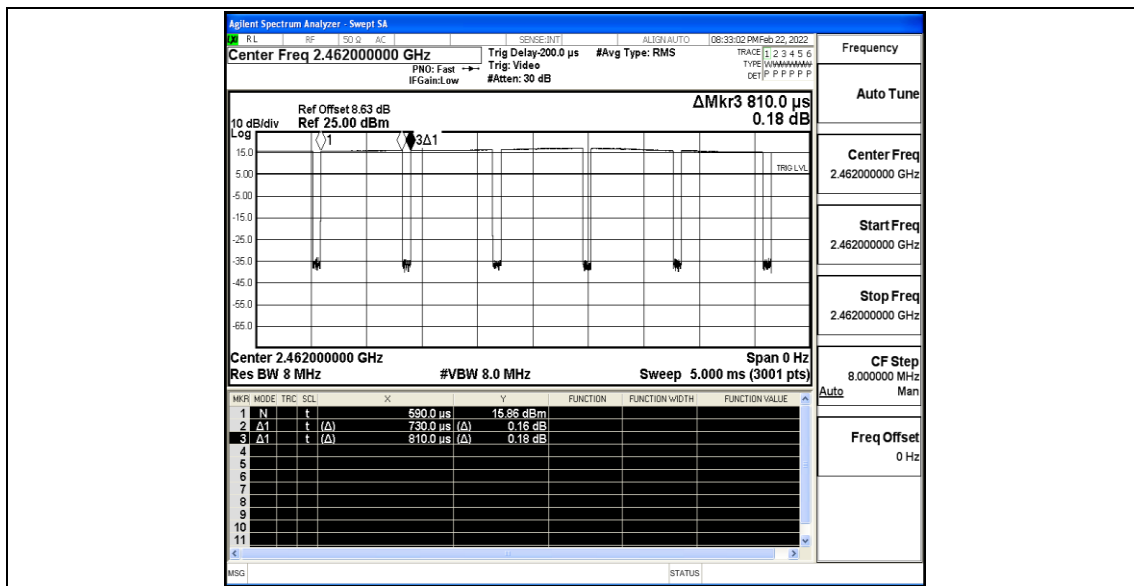
A.6 Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	0.73	0.81	90.12	---	---
		2437	0.73	0.81	90.12	---	---
		2462	0.73	0.81	90.12	---	---

Test Graphs







A.7 Emissions in Restricted Bands

Test Result

TestMode	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Low	2412	AV	2310.000	-48.35	≤-41.20	46.85	≤54	PASS
			AV	2382.550	-47.13	≤-41.20	48.07	≤54	PASS
			AV	2390.000	-47.46	≤-41.20	47.74	≤54	PASS
			Peak	2310.000	-38.51	≤-21.20	56.69	≤74	PASS
			Peak	2369.030	-36.06	≤-21.20	59.14	≤74	PASS
			Peak	2390.000	-37.1	≤-21.20	58.10	≤74	PASS
	High	2462	AV	2483.500	-46.55	≤-41.20	48.65	≤54	PASS
			AV	2483.780	-46.58	≤-41.20	48.62	≤54	PASS
			AV	2500.000	-47.42	≤-41.20	47.78	≤54	PASS
			Peak	2483.500	-35.94	≤-21.20	59.26	≤74	PASS
			Peak	2498.190	-35.06	≤-21.20	60.14	≤74	PASS
			Peak	2500.000	-37.6	≤-21.20	57.60	≤74	PASS

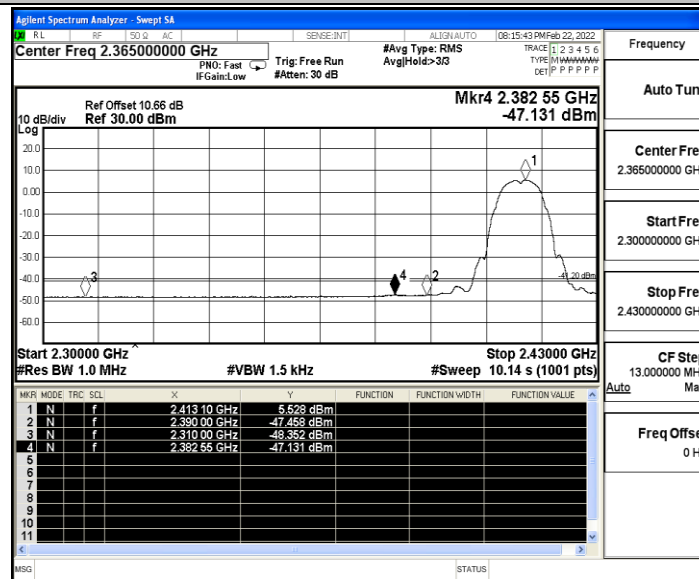
Note:

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.

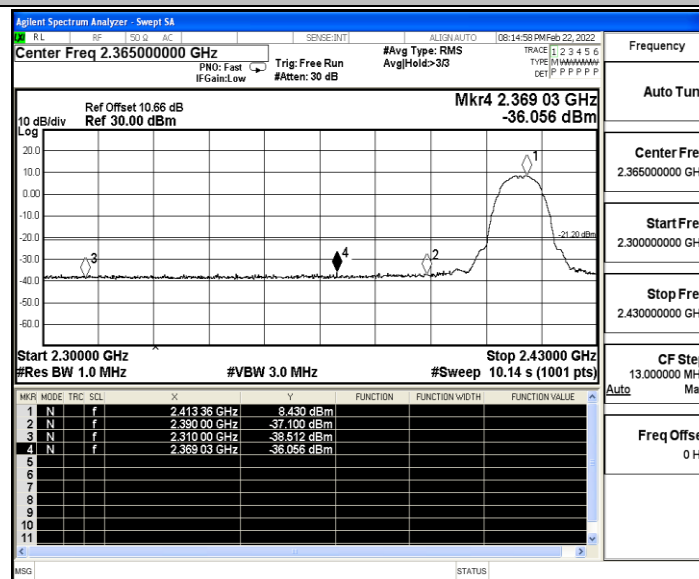


Test Graphs

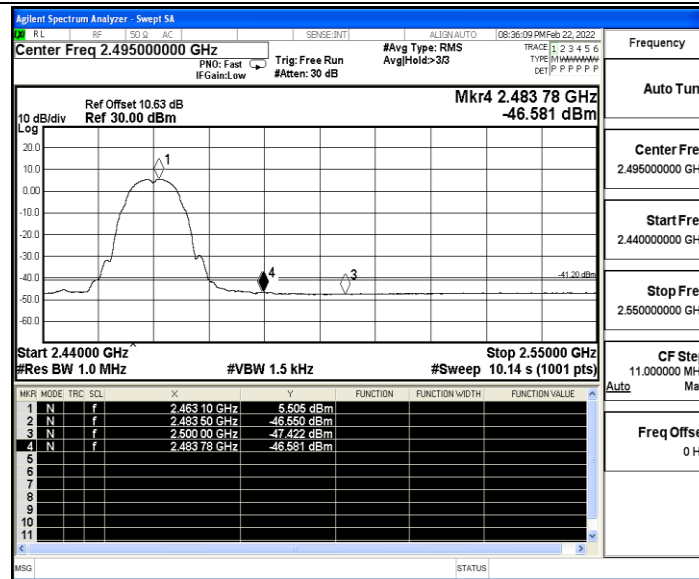
11B_Ant1_Low_2412_AV



11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV



11B_Ant1_High_2462_Peak

