



Appendix B

RF Test Data for BT LE (Conducted Measurement)

Product Name: Tablet

Trade Mark: CRAVE

Test Model: T3

Environmental Conditions

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

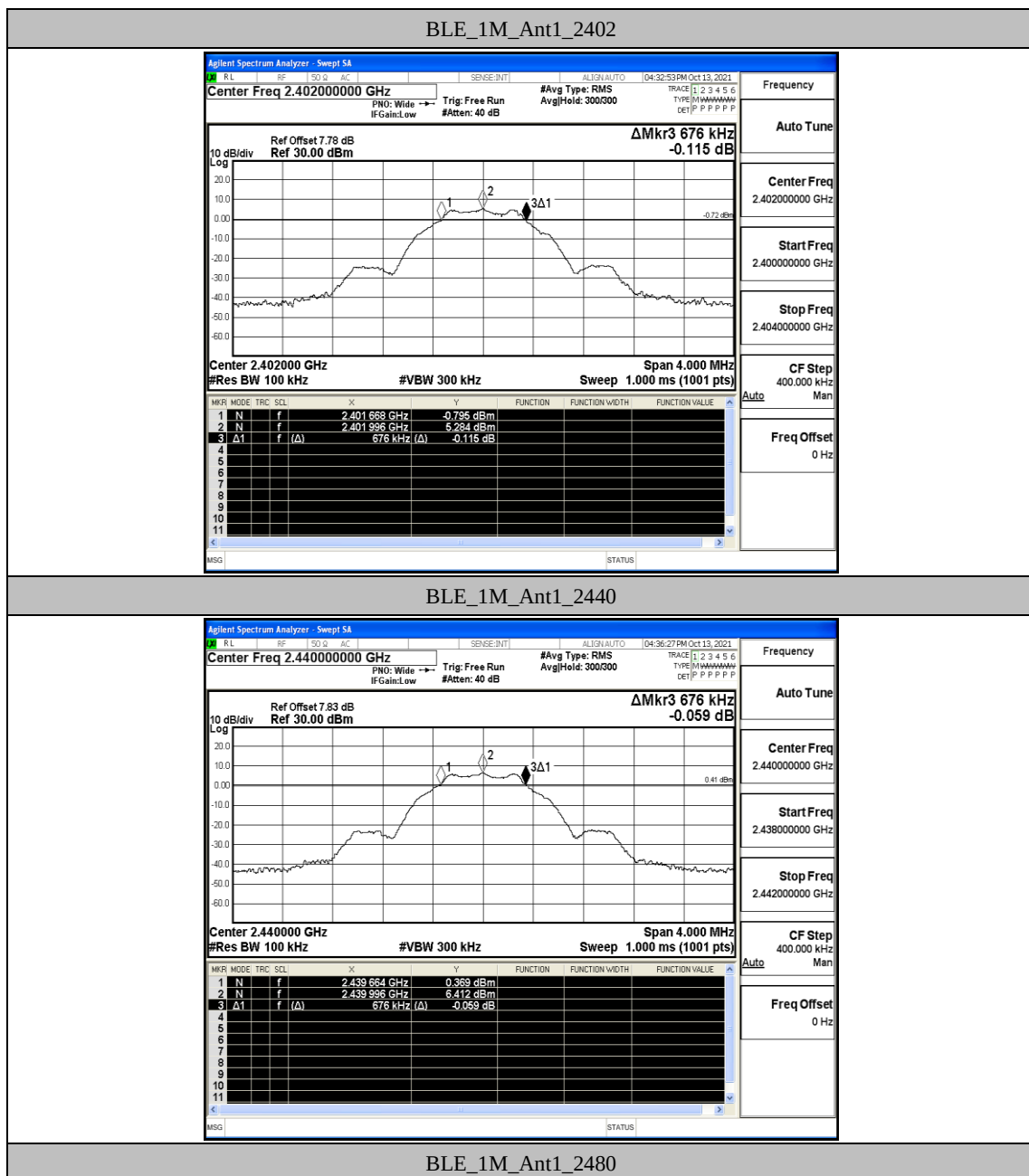


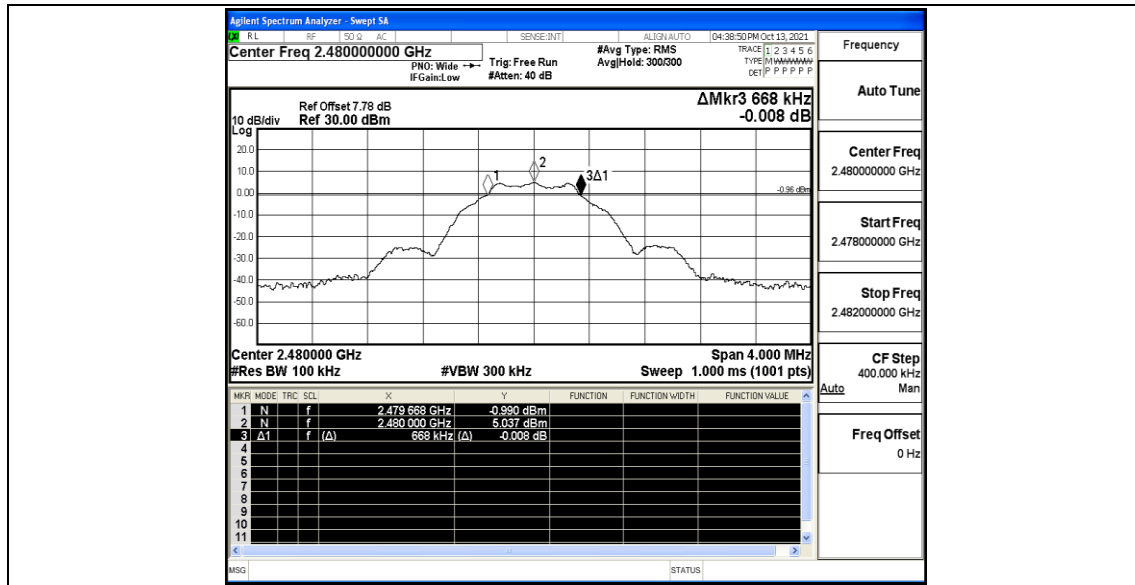
B.1 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.668	2402.344	≥ 0.5	PASS
		2440	0.676	2439.664	2440.340	≥ 0.5	PASS
		2480	0.668	2479.668	2480.336	≥ 0.5	PASS

Test Graphs





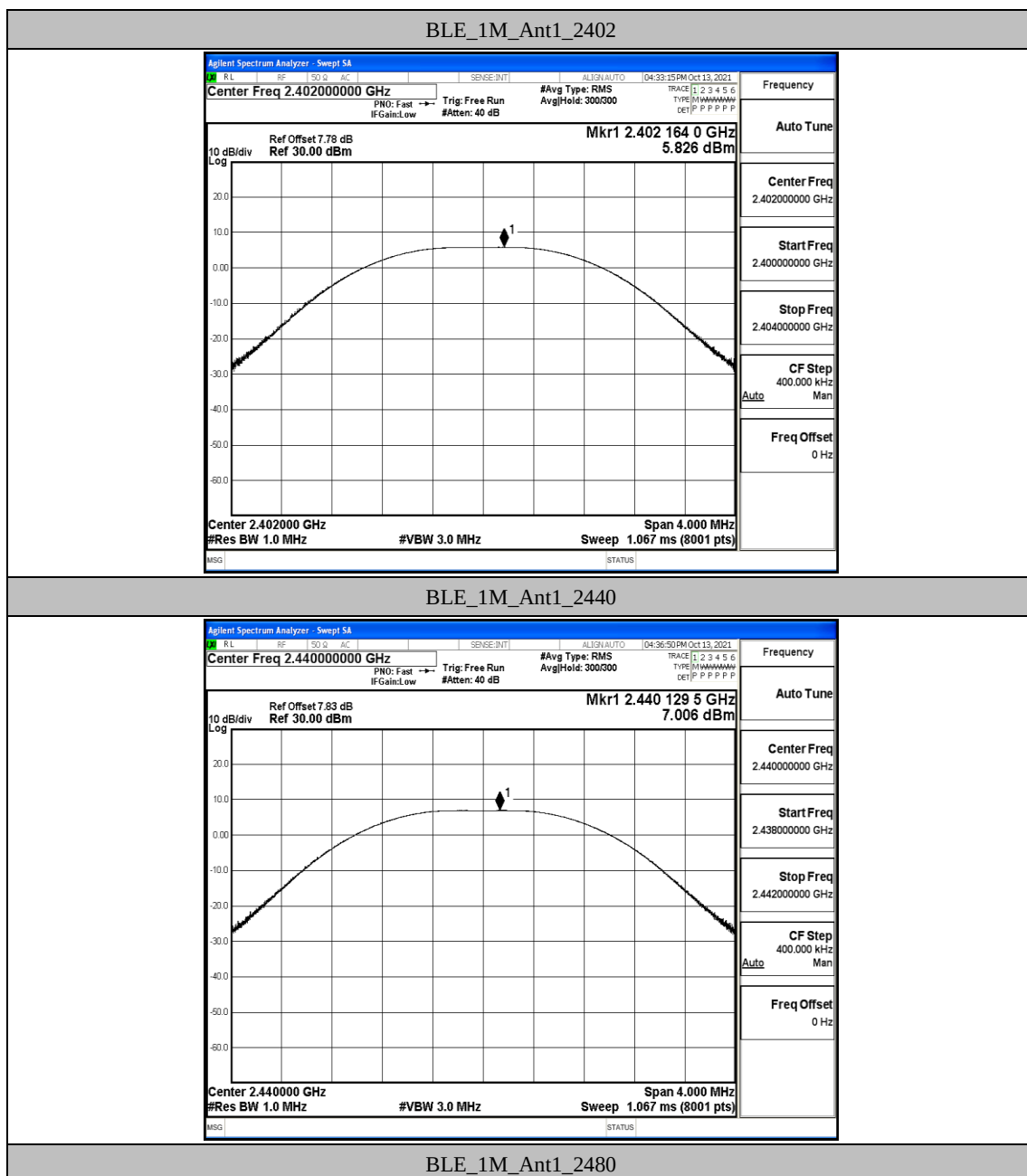


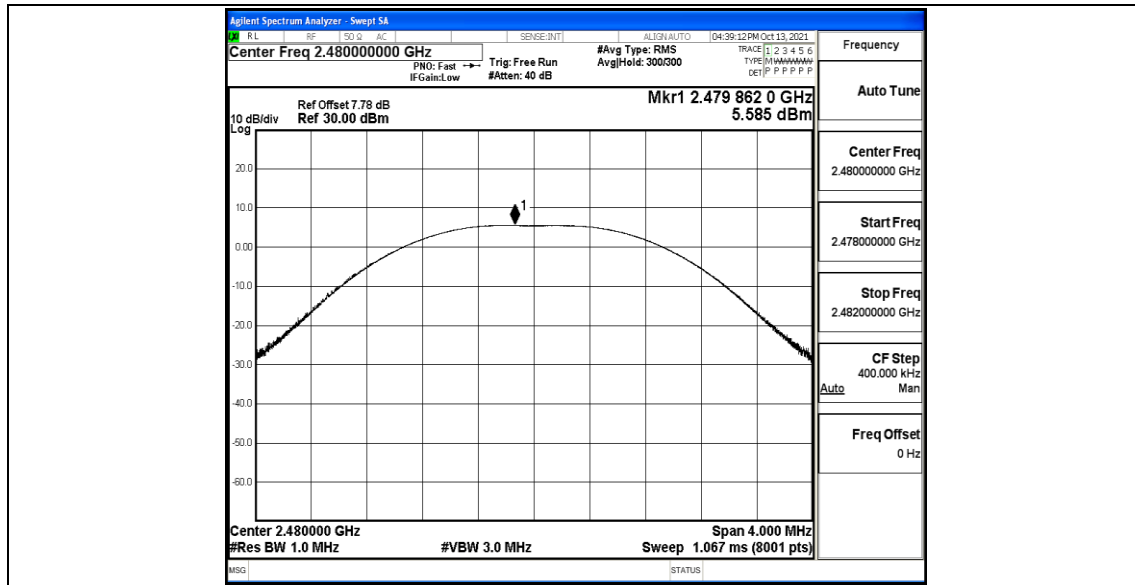
B.2 Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.83	≤30	PASS
		2440	7.01	≤30	PASS
		2480	5.59	≤30	PASS

Test Graphs





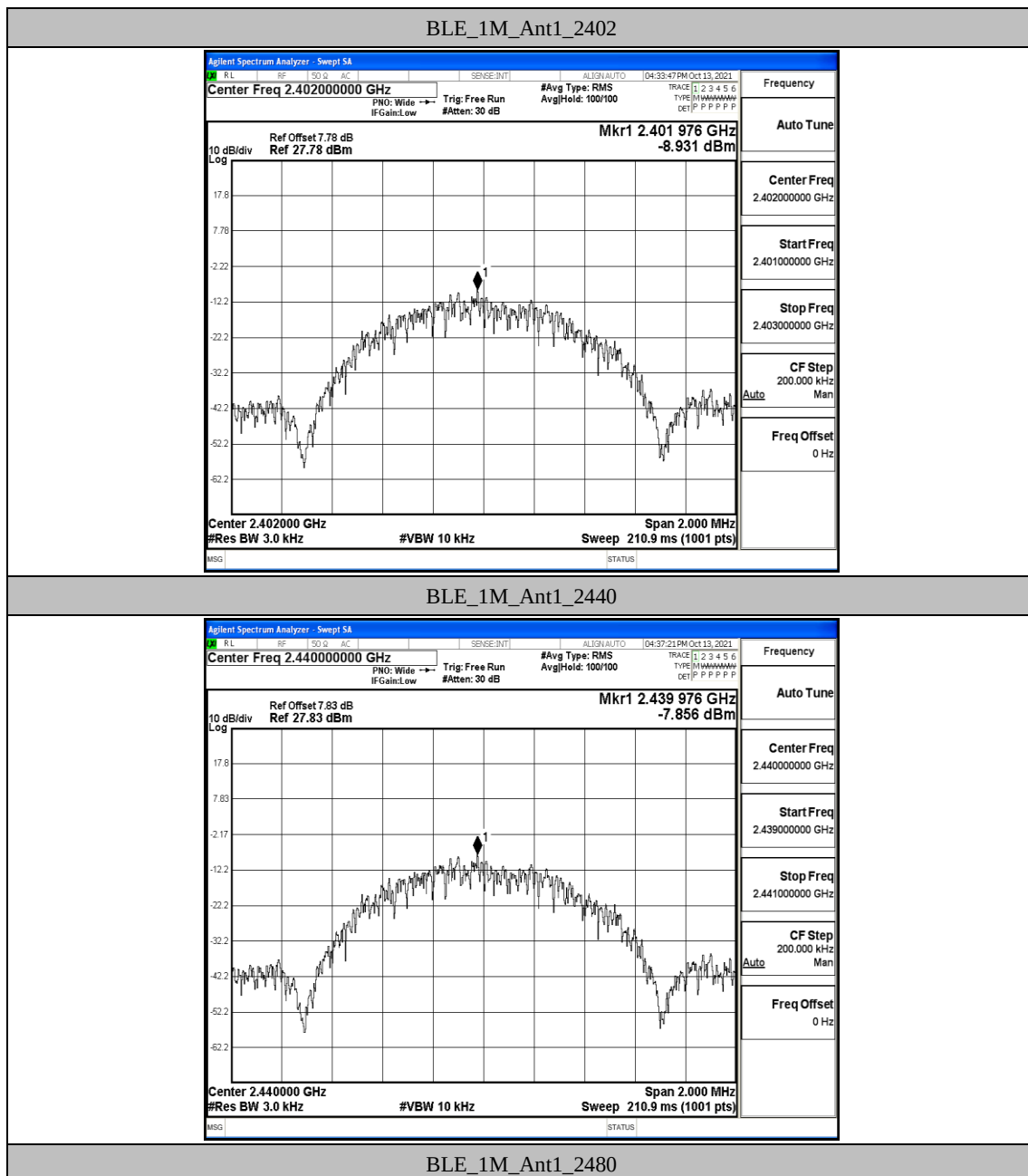


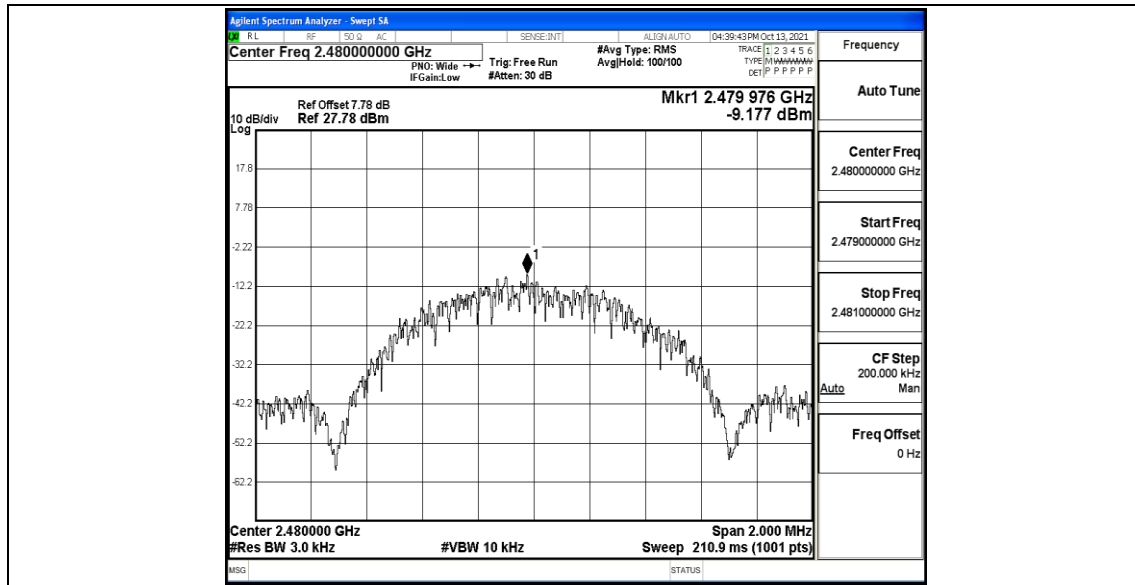
B.3 Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.93	≤8	PASS
		2440	-7.86	≤8	PASS
		2480	-9.18	≤8	PASS

Test Graphs





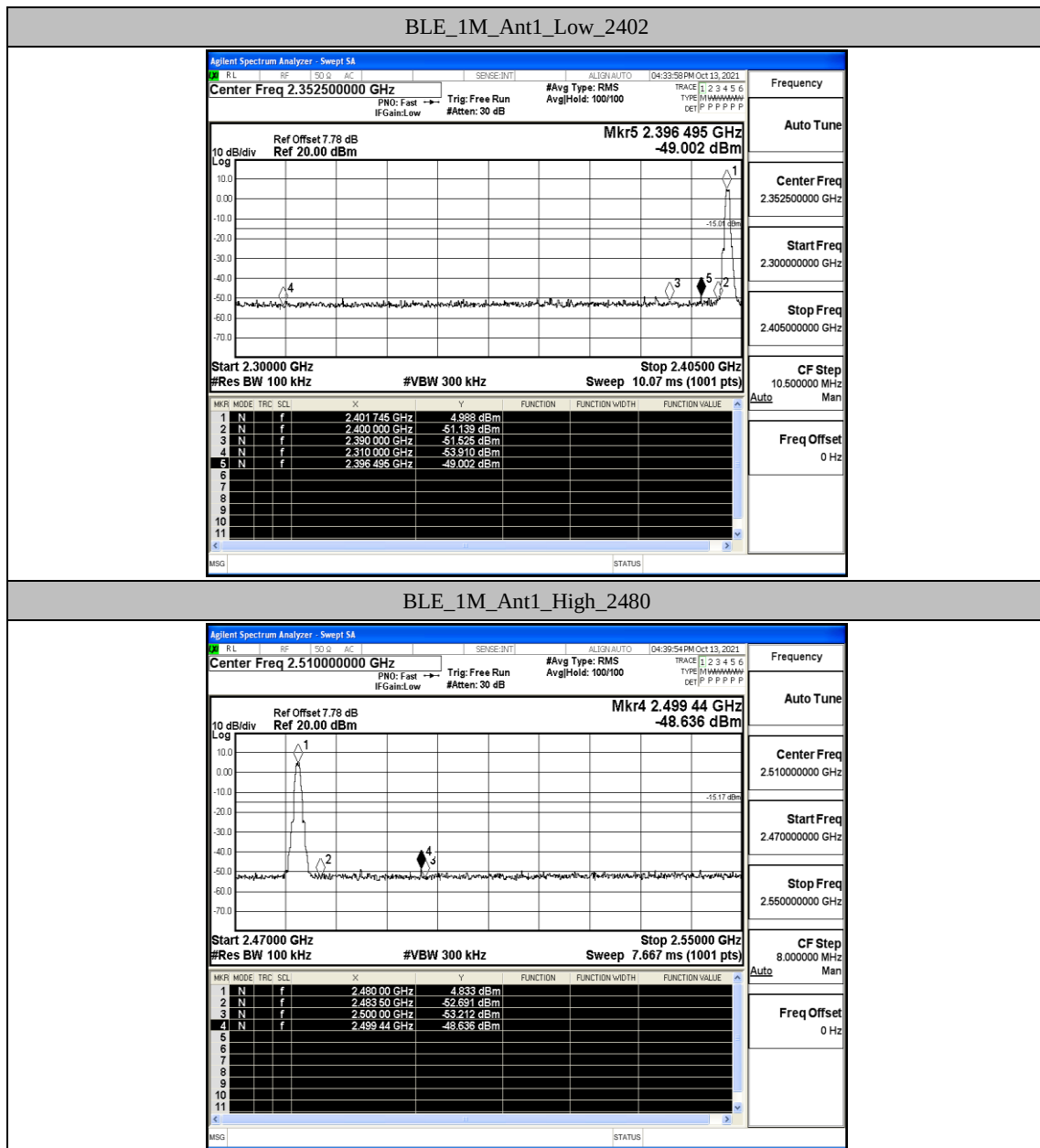


B.4 Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.99	-49	≤-15.01	PASS
		High	2480	4.83	-48.64	≤-15.17	PASS

Test Graphs



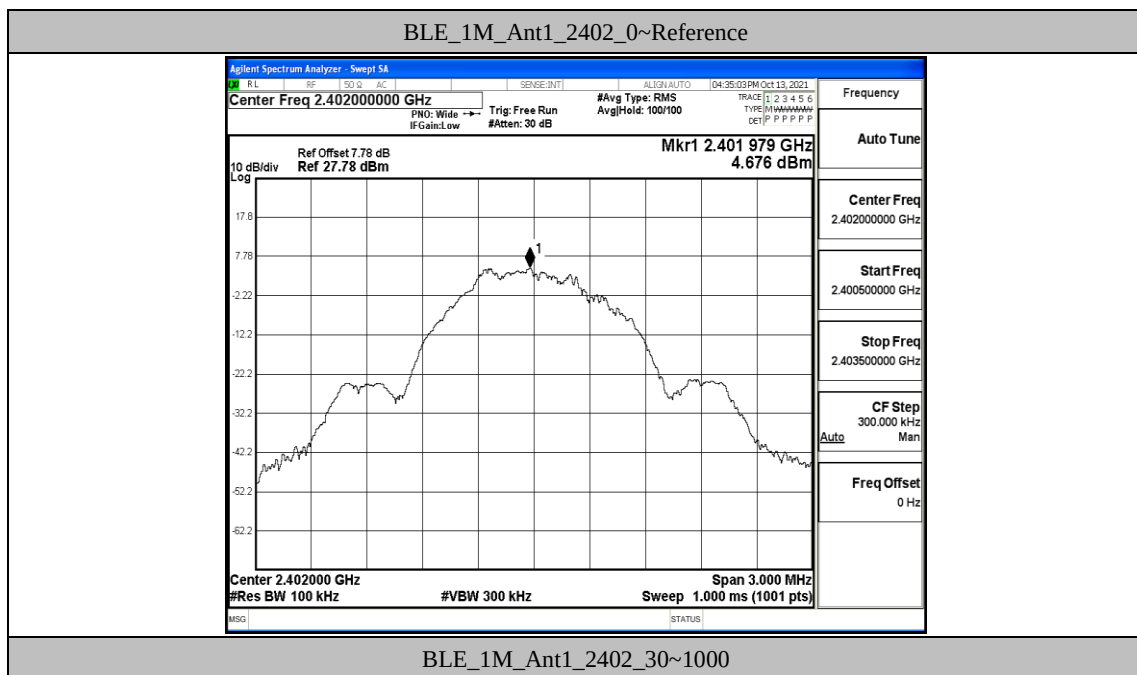


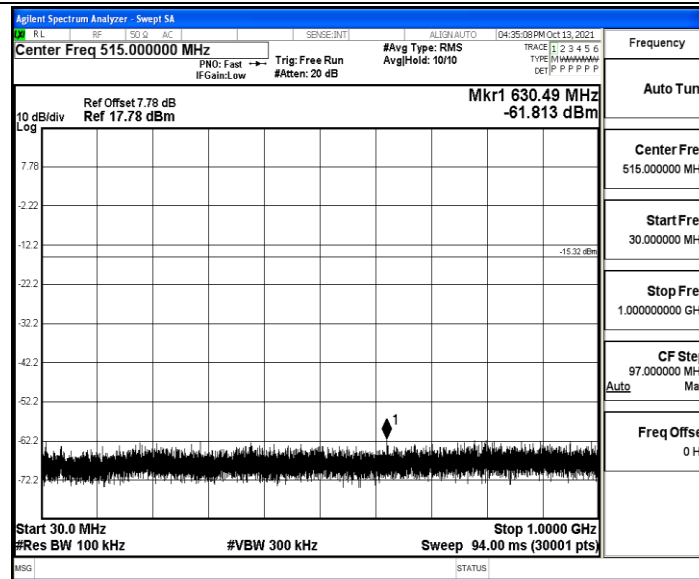
B.5 Conducted Spurious Emission

Test Result

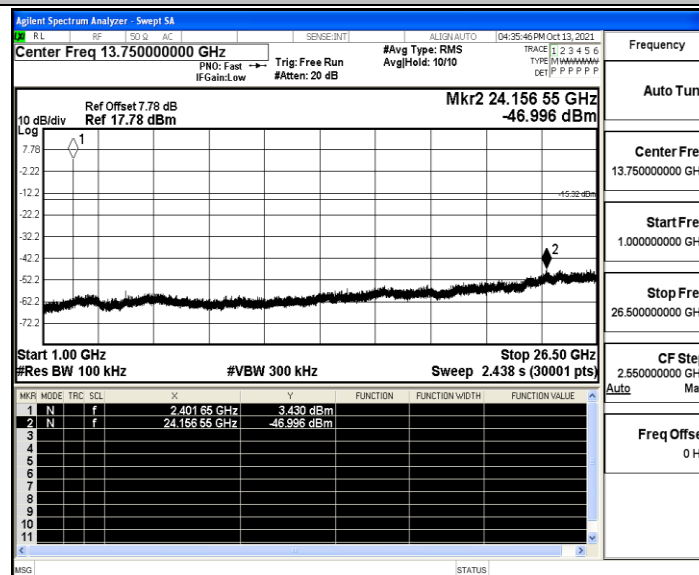
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-61.81	≤-15.32	PASS
			1000~26500	4.68	-47	≤-15.32	PASS
		2440	Reference	6.39	6.39	---	PASS
			30~1000	6.39	-62.07	≤-13.61	PASS
			1000~26500	6.39	-46.84	≤-13.61	PASS
		2480	Reference	5.01	5.01	---	PASS
			30~1000	5.01	-35.9	≤-14.99	PASS
			1000~26500	5.01	-47.01	≤-14.99	PASS

Test Graphs

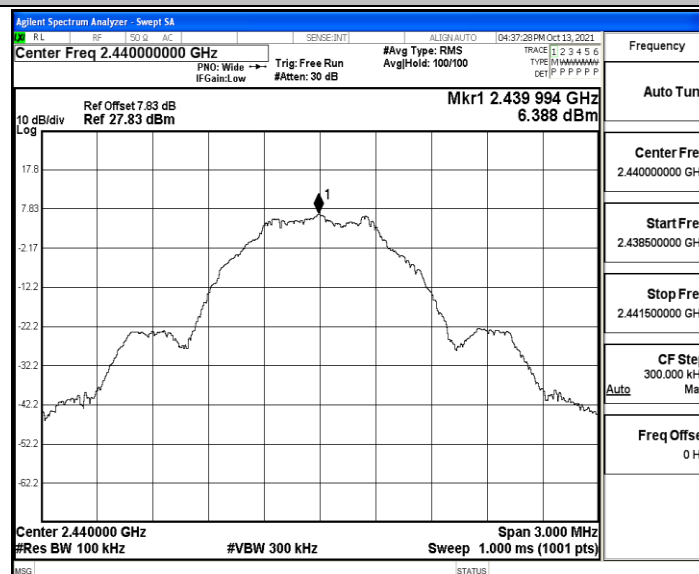




BLE_1M_Ant1_2402_1000~26500

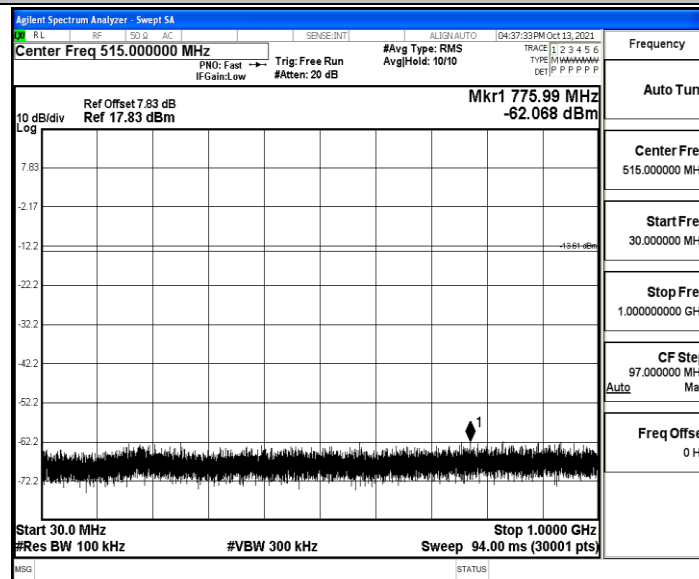


BLE_1M_Ant1_2440_0~Reference

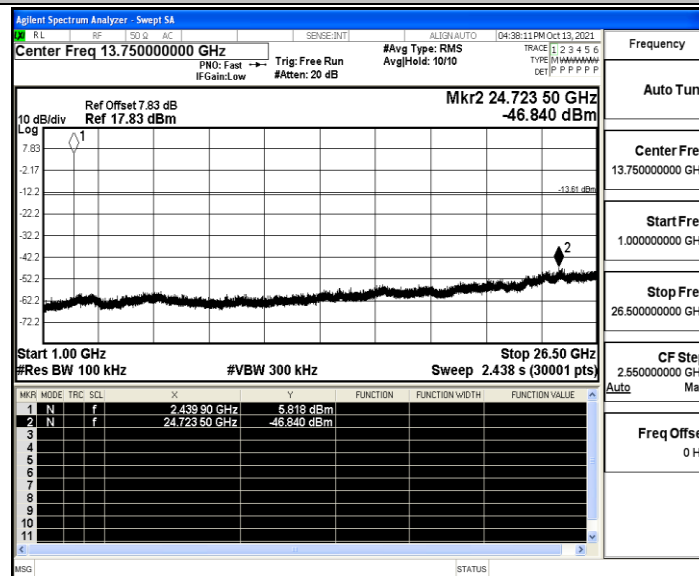




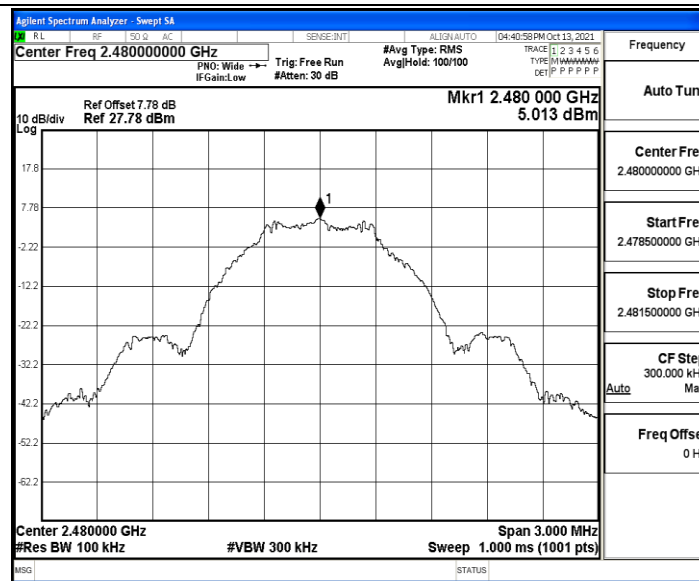
BLE_1M_Ant1_2440_30~1000



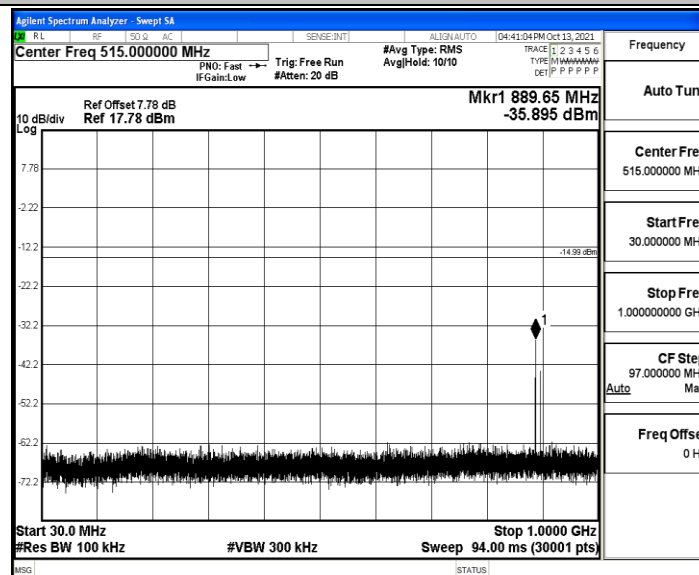
BLE_1M_Ant1_2440_1000~26500



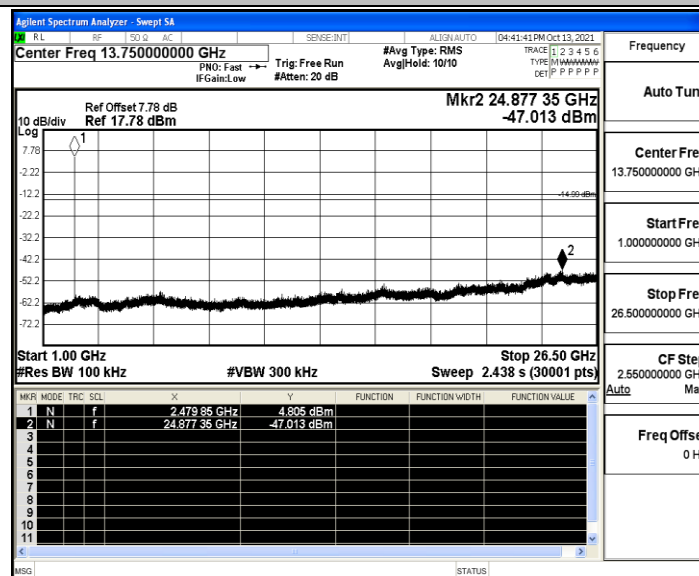
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



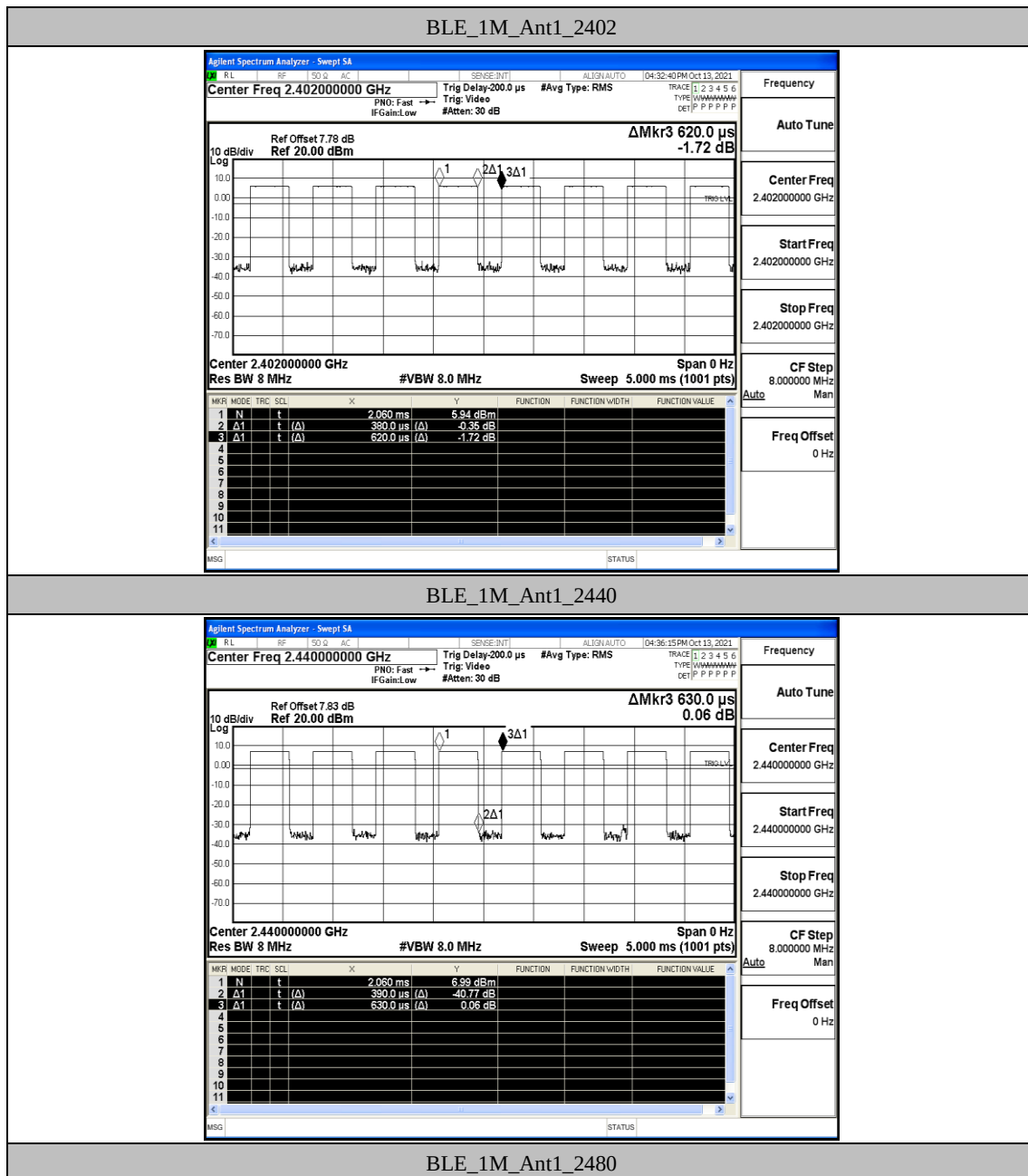


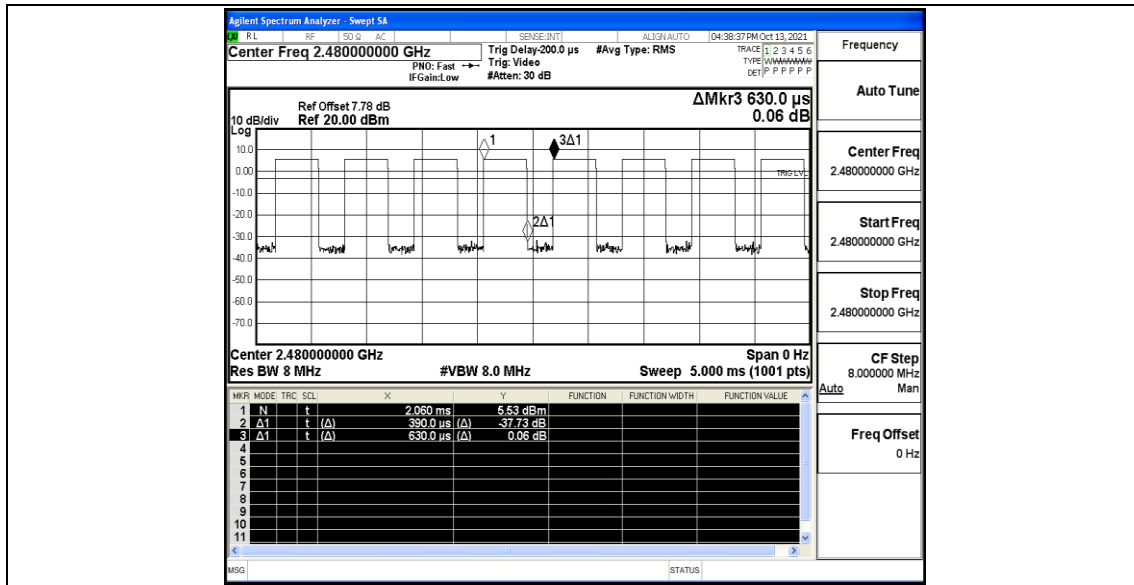
B.6 Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.39	0.63	0.6190	61.90	2.08	---	PASS
		2480	0.39	0.63	0.6190	61.90	2.08	---	PASS

Test Graphs







B.7 Emissions in Restricted Bands

Test Result

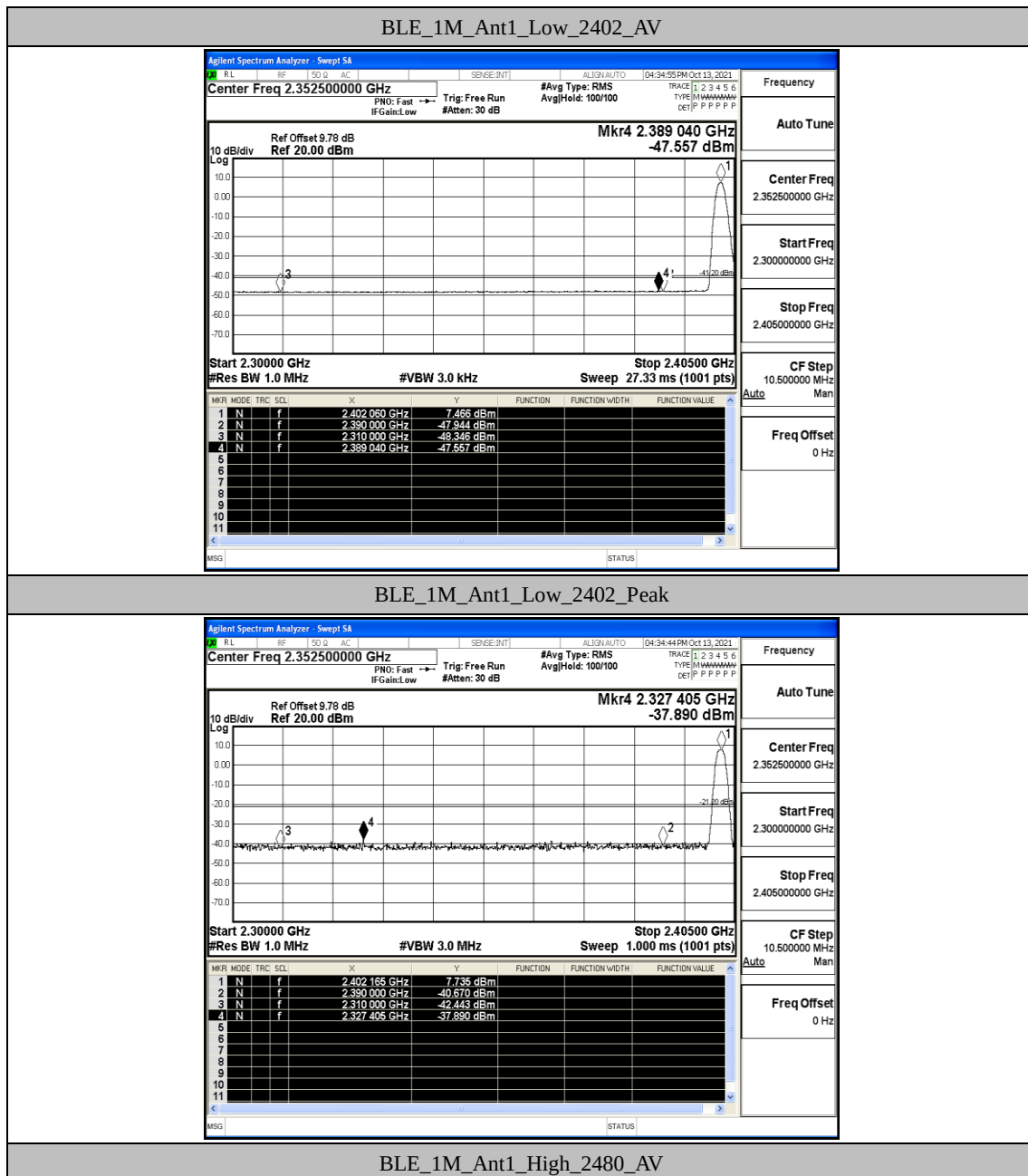
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.35	≤-41.20	46.85	≤54	PASS
				AV	2389.040	-47.56	≤-41.20	47.64	≤54	PASS
				AV	2390.000	-47.94	≤-41.20	47.26	≤54	PASS
				Peak	2310.000	-42.44	≤-21.20	52.76	≤74	PASS
				Peak	2327.405	-37.89	≤-21.20	57.31	≤74	PASS
				Peak	2390.000	-40.67	≤-21.20	54.53	≤74	PASS
		High	2480	AV	2483.500	-45.9	≤-41.20	49.30	≤54	PASS
				AV	2483.520	-45.9	≤-41.20	49.30	≤54	PASS
				AV	2500.000	-47.47	≤-41.20	47.73	≤54	PASS
				Peak	2483.500	-41.49	≤-21.20	53.71	≤74	PASS
				Peak	2491.840	-38.78	≤-21.20	56.42	≤74	PASS
				Peak	2500.000	-40.93	≤-21.20	54.27	≤74	PASS

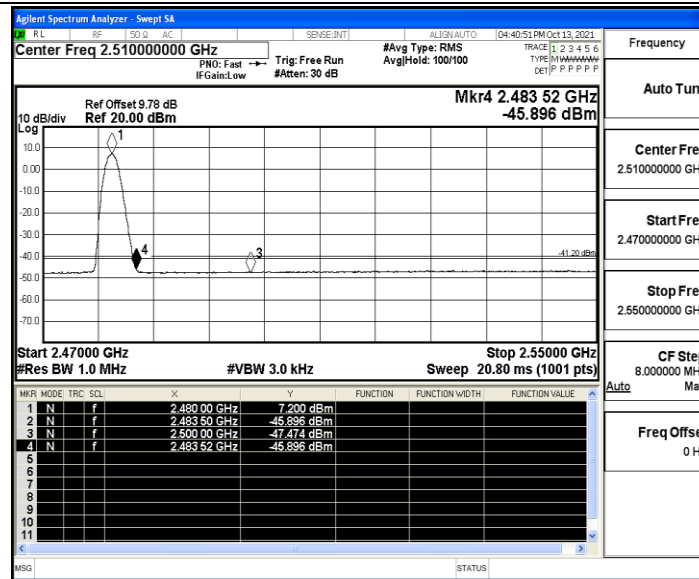
Note:

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





BLE_1M_Ant1_High_2480_Peak

