

Appendix Test Data for BT(BLE) (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: GYRO

Test Model: S6001

FCC ID: 2AYVXFIRTSS6001

Environmental Conditions

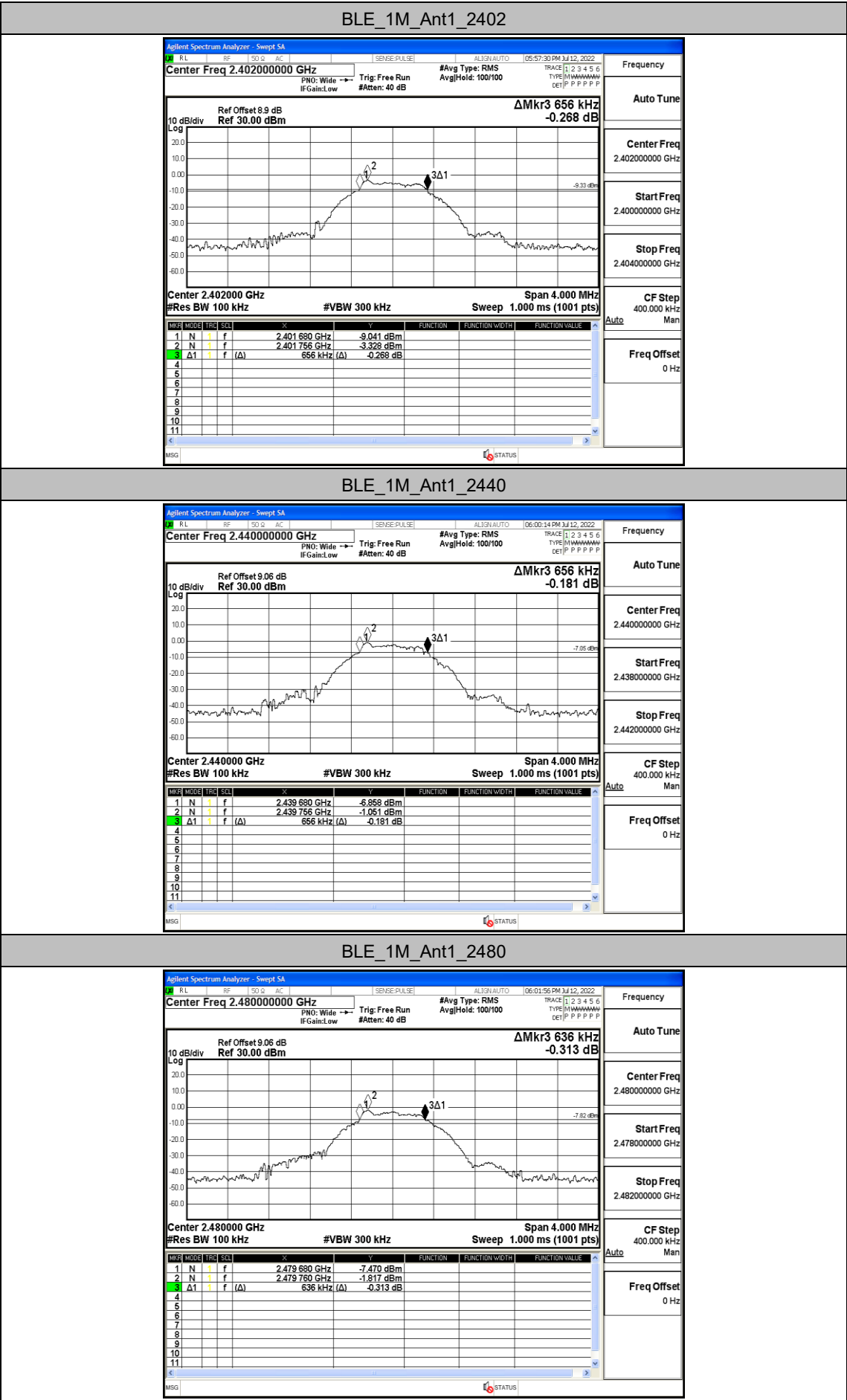
Temperature:	24.3℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.680	2402.336	0.5	PASS
		2440	0.656	2439.680	2440.336	0.5	PASS
		2480	0.636	2479.680	2480.316	0.5	PASS

Test Graphs



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0316	2401.495	2402.527	---	---
		2440	1.0316	2439.494	2440.526	---	---
		2480	1.0305	2479.495	2480.525	---	---

Test Graphs

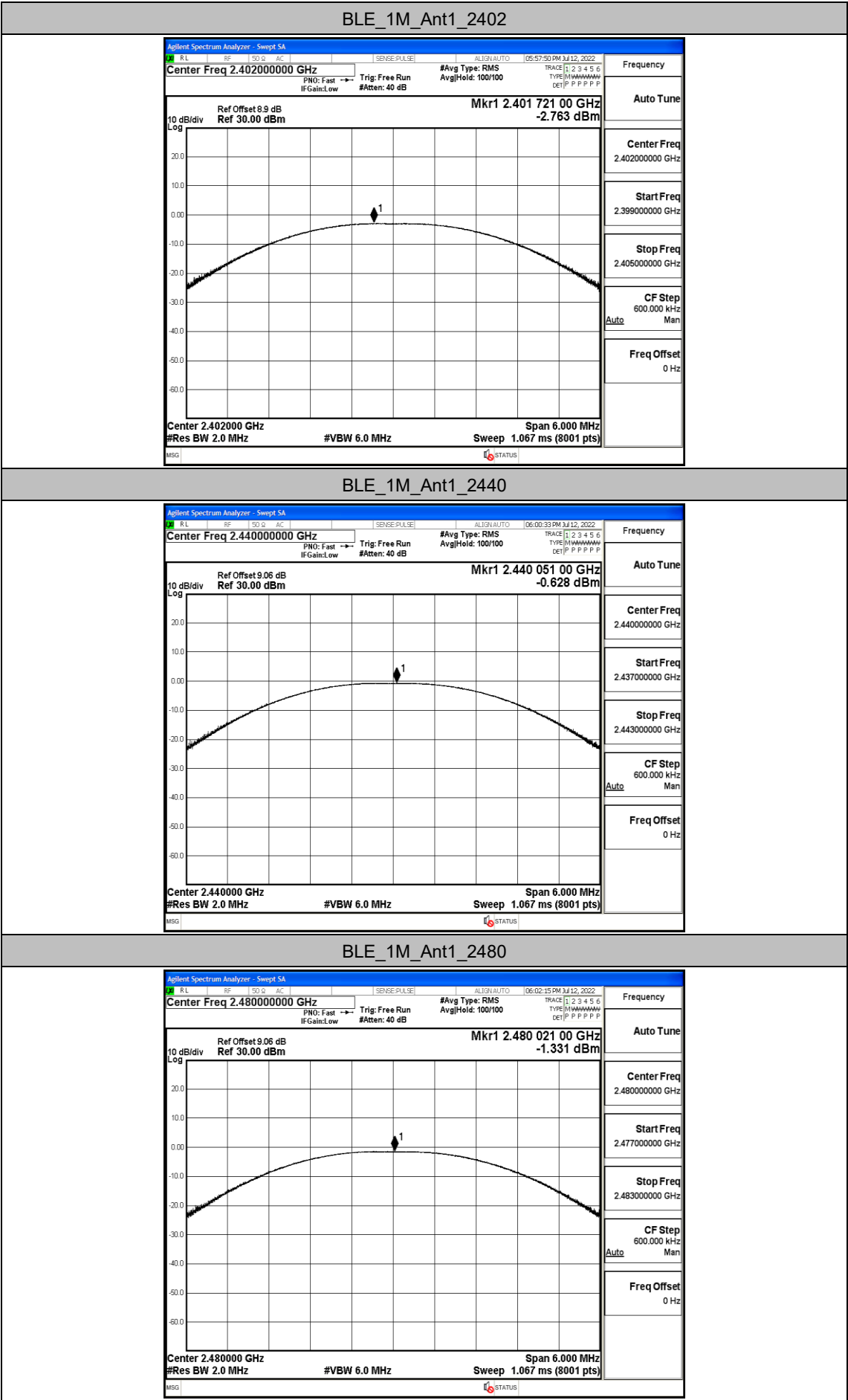


Appendix C: Maximum Peak conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.76	≤30	PASS
		2440	-0.63	≤30	PASS
		2480	-1.33	≤30	PASS

Test Graphs

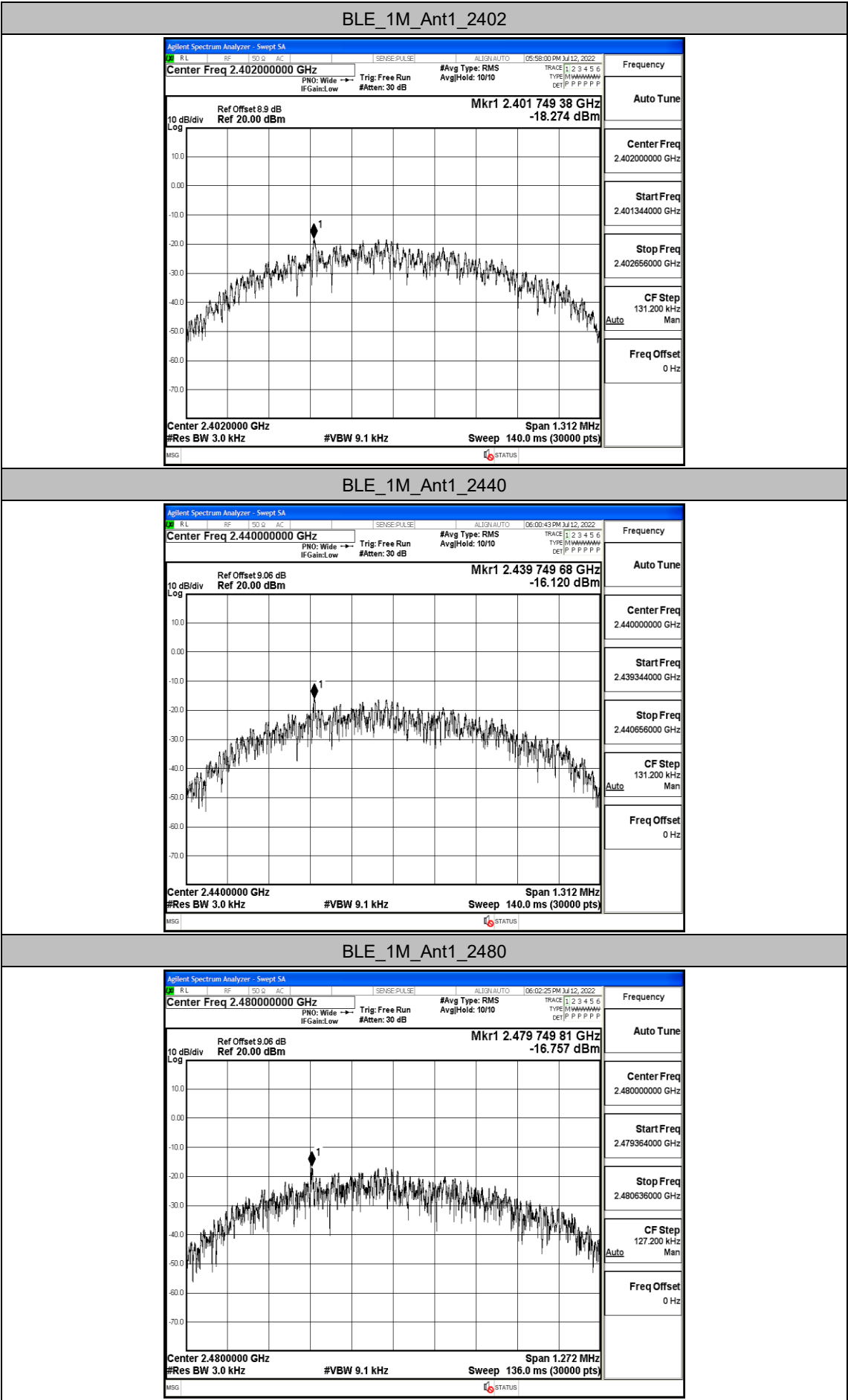


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.27	≤8.00	PASS
		2440	-16.12	≤8.00	PASS
		2480	-16.76	≤8.00	PASS

Test Graphs

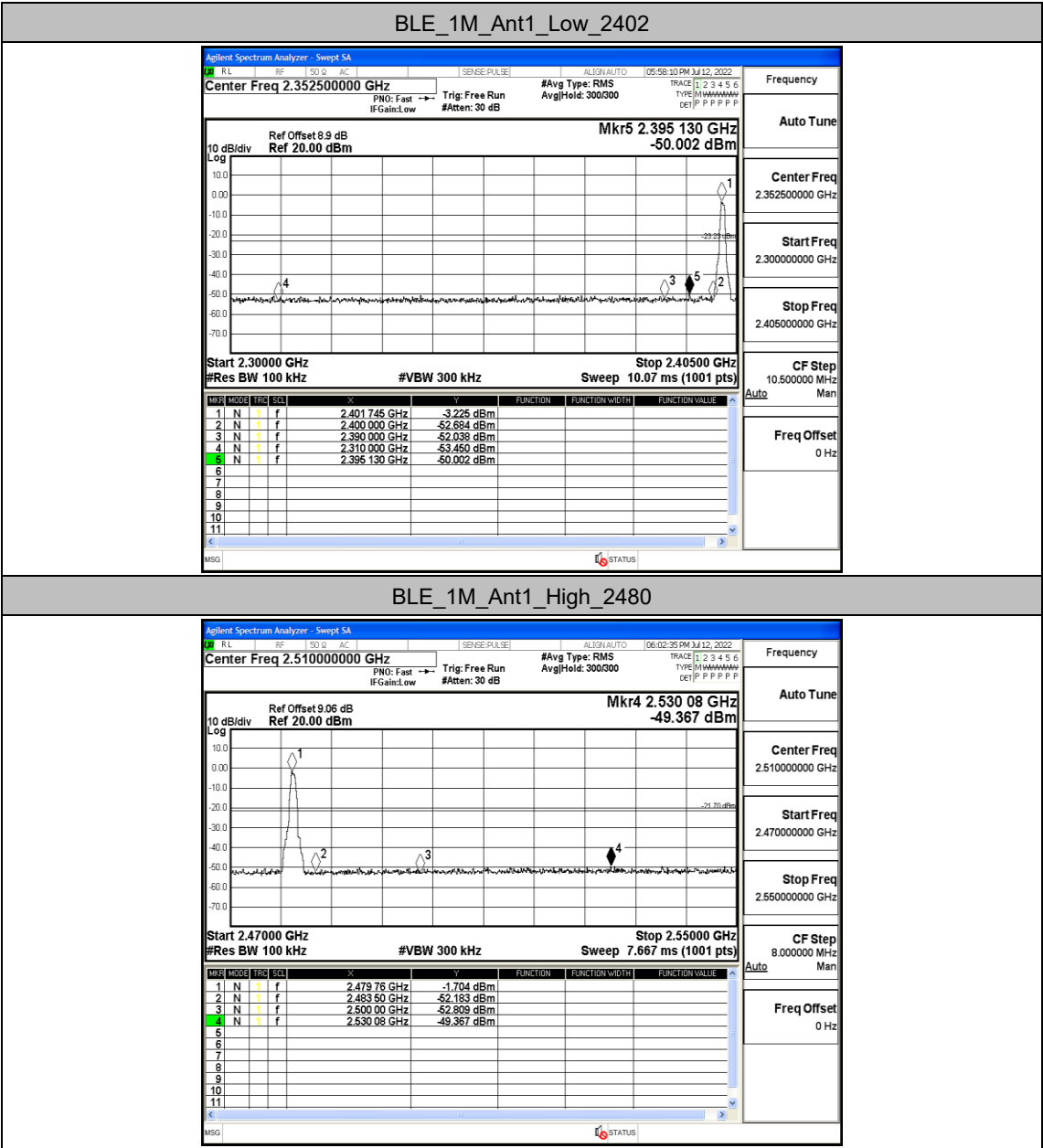


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.23	-50	≤ -23.23	PASS
		High	2480	-1.70	-49.37	≤ -21.7	PASS

Test Graphs

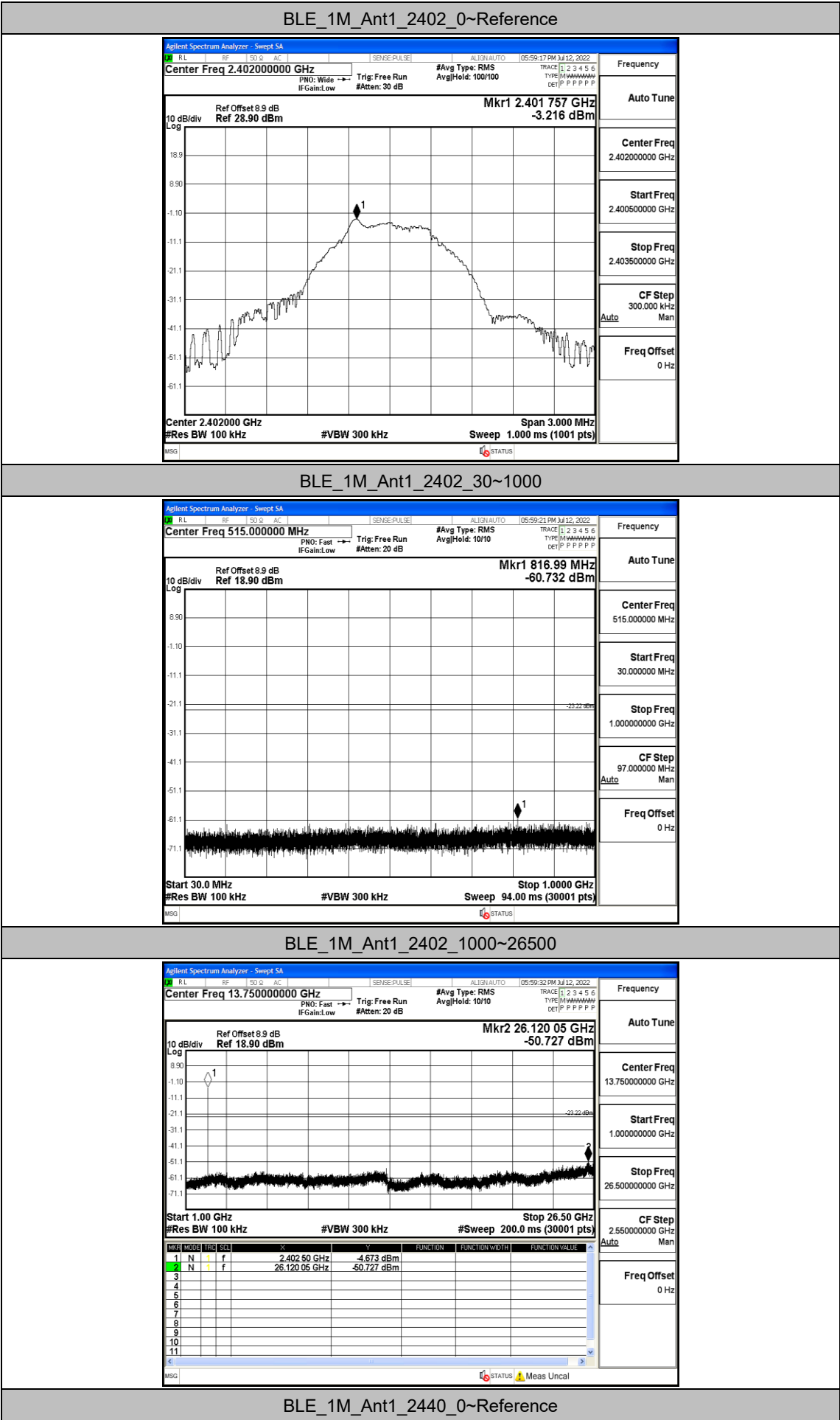


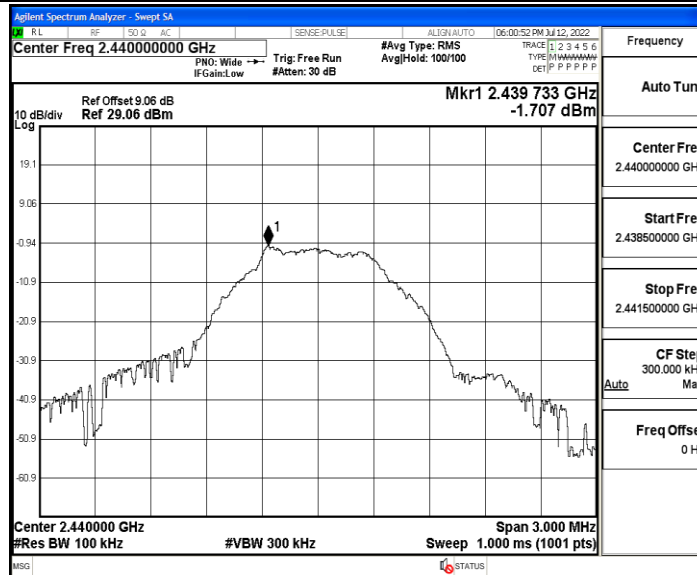
Appendix F: Conducted Spurious Emission

Test Result

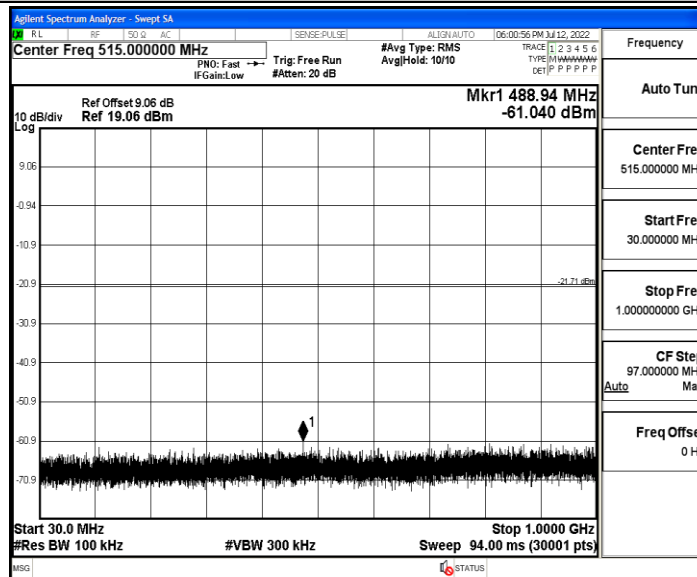
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-60.73	≤-23.22	PASS
			1000~26500	-3.22	-50.73	≤-23.22	PASS
		2440	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-61.04	≤-21.71	PASS
			1000~26500	-1.71	-51.34	≤-21.71	PASS
		2480	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-61.58	≤-21.68	PASS
			1000~26500	-1.68	-51.42	≤-21.68	PASS

Test Graphs

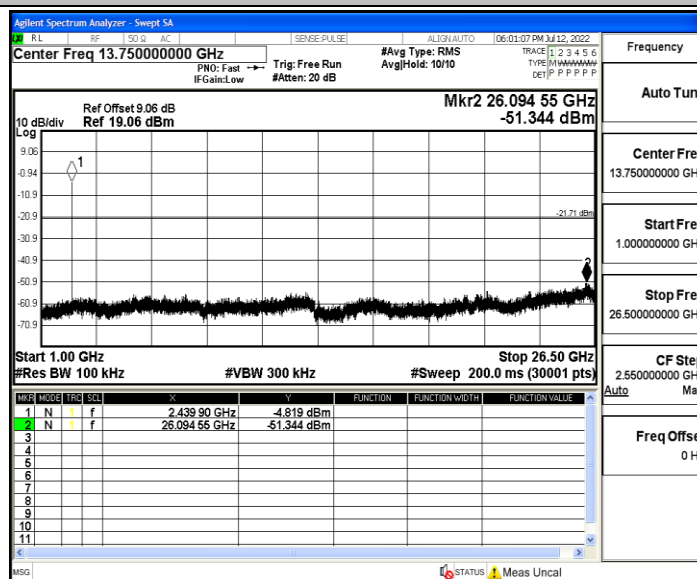




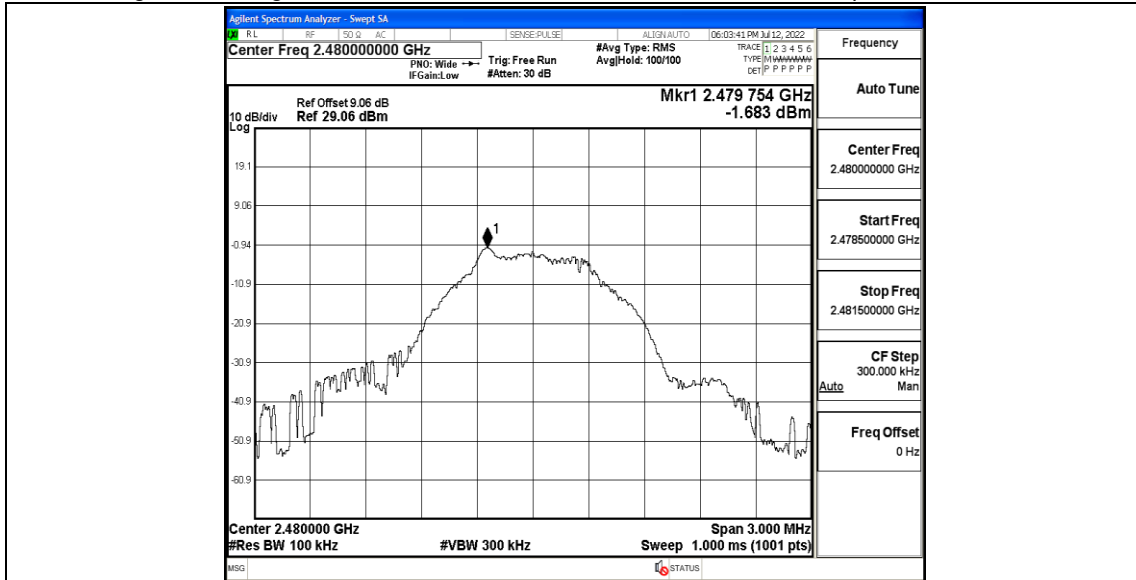
BLE_1M_Ant1_2440_30~1000



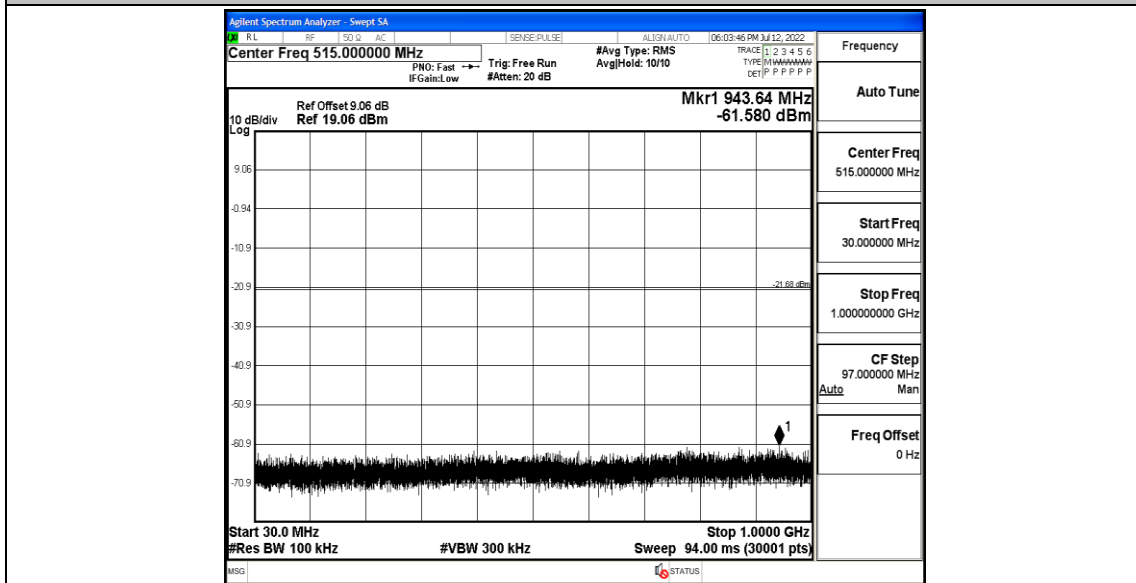
BLE_1M_Ant1_2440_1000~26500



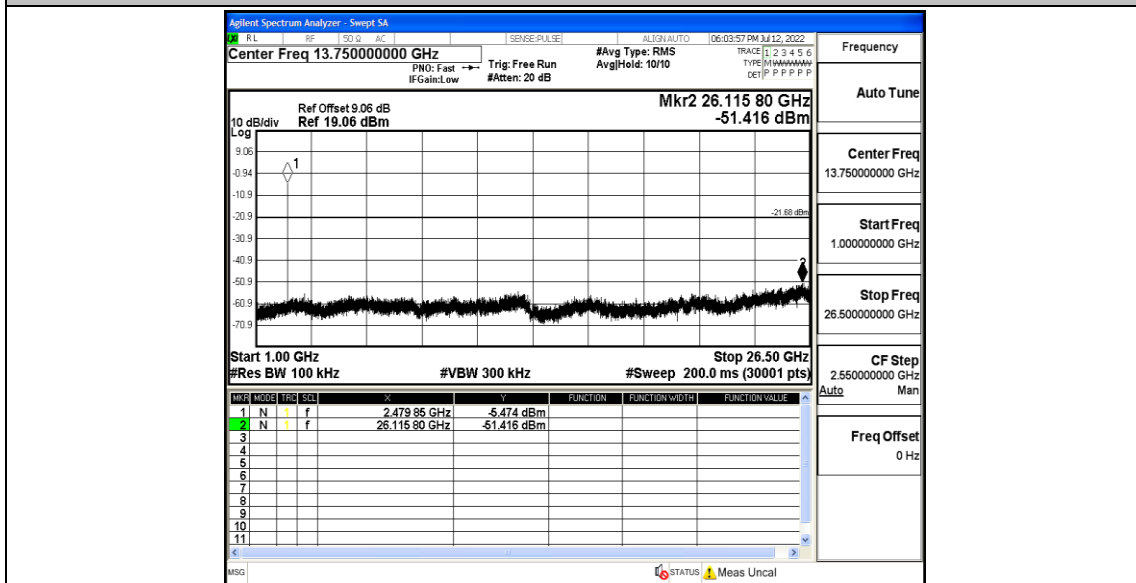
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

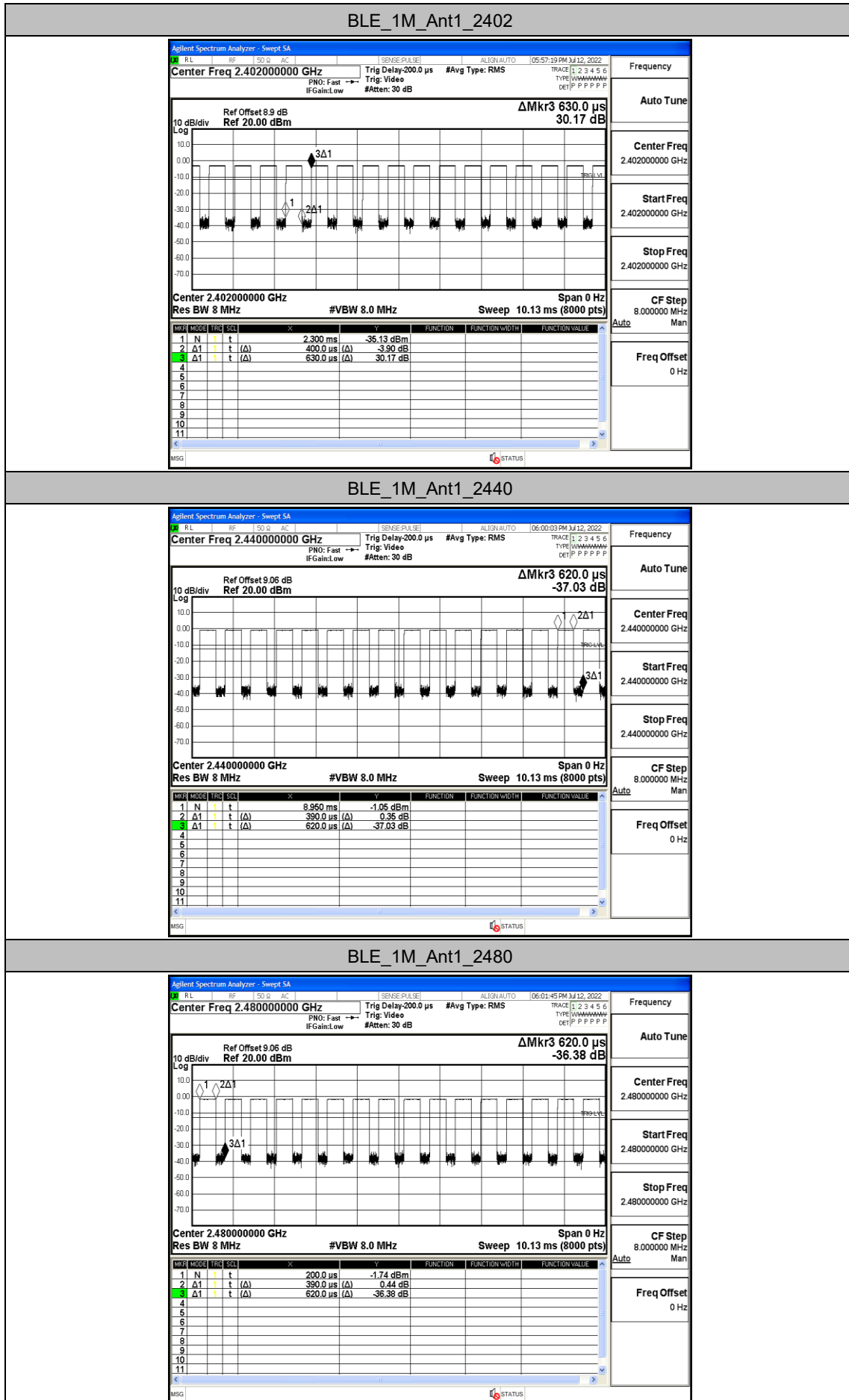


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
BLE_1M	Ant1	2402	0.40	0.63	63.49	2.50
		2440	0.39	0.62	62.90	2.56
		2480	0.39	0.62	62.90	2.56

Test Graphs



Appendix H: Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-48.9	≤-41.20	PASS
				AV	2389.670	-48.1	≤-41.20	PASS
				AV	2390.000	-48.48	≤-41.20	PASS
				Peak	2310.000	-41.86	≤-21.20	PASS
				Peak	2379.065	-39.43	≤-21.20	PASS
				Peak	2390.000	-42.69	≤-21.20	PASS
		High	2480	AV	2483.500	-47.75	≤-41.20	PASS
				AV	2495.600	-47.43	≤-41.20	PASS
				AV	2500.000	-48.02	≤-41.20	PASS
				Peak	2483.500	-41.6	≤-21.20	PASS
				Peak	2497.200	-38.81	≤-21.20	PASS
				Peak	2500.000	-40.57	≤-21.20	PASS

Note:

1. The Antenna Gain is compensated in the graph with 2dBi and Antenna Gain which is Higher.
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

