

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

Product Name: SMARTPHONE

Trade Mark: HERITAGE

Test Model: P60 PRO+

FCC ID: 2A6U5-M6908M6904

Environmental Conditions

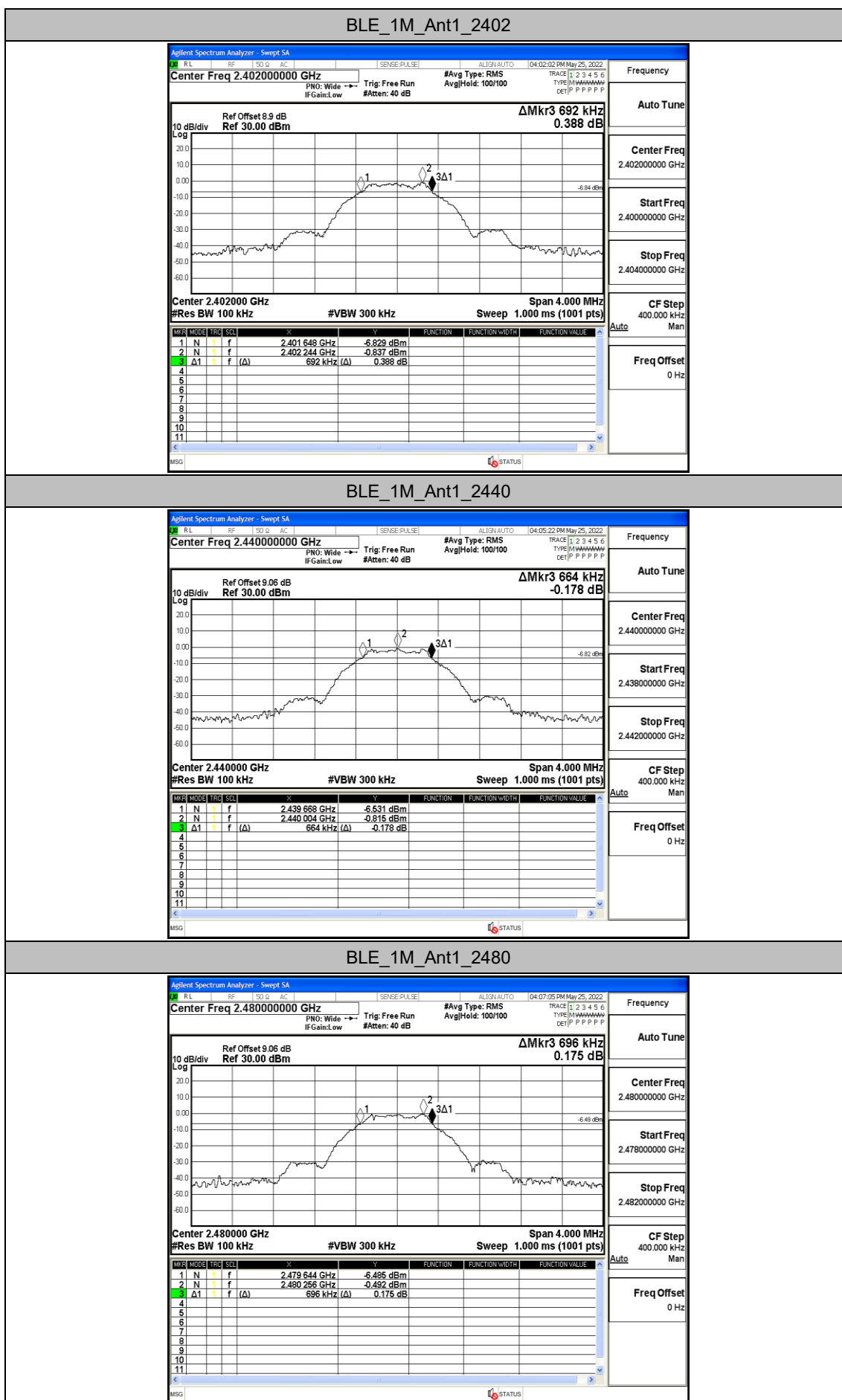
Temperature:	25.5°C
Relative Humidity:	55.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.648	2402.340	0.5	PASS
		2440	0.664	2439.668	2440.332	0.5	PASS
		2480	0.696	2479.644	2480.340	0.5	PASS

Test Graphs

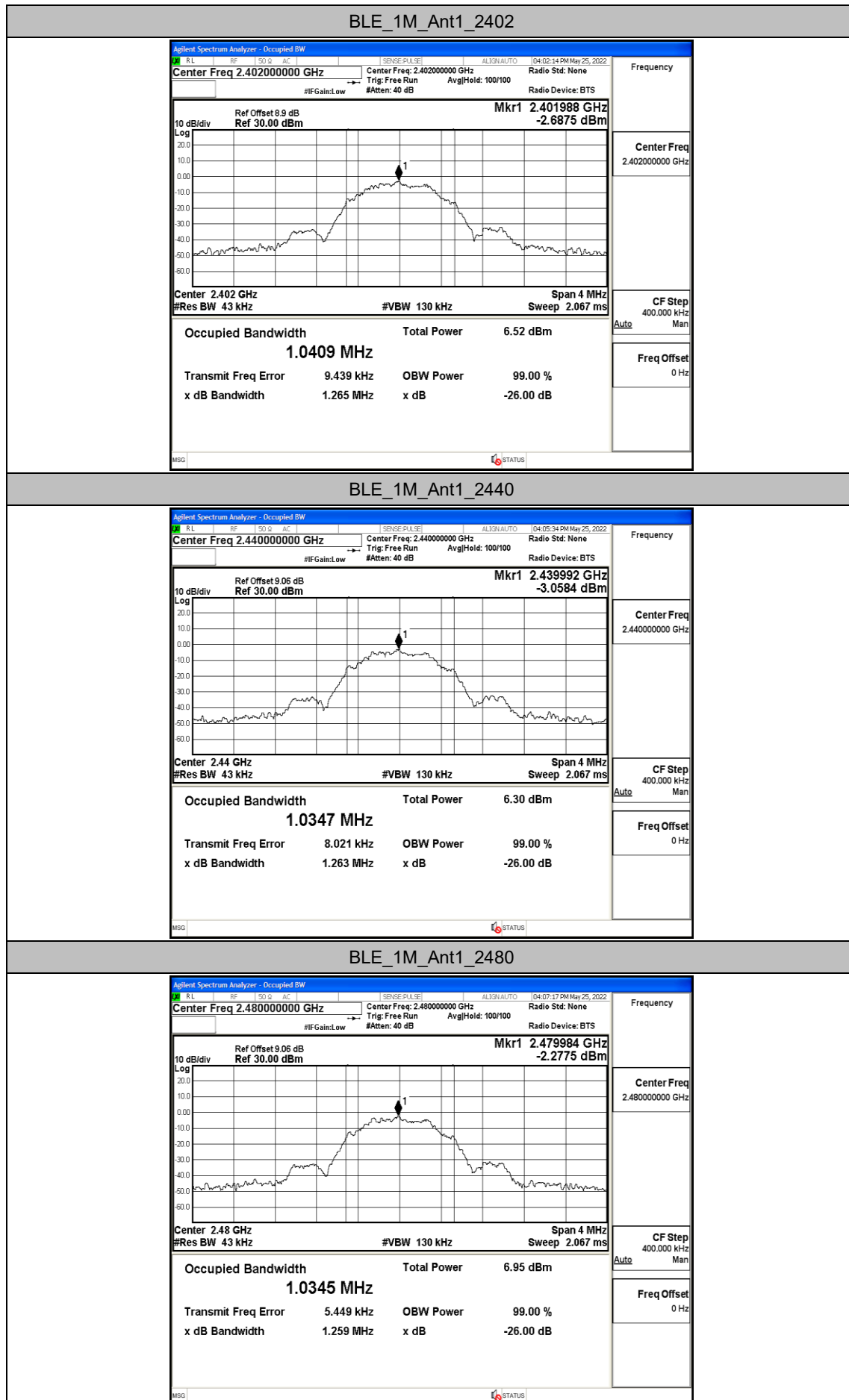


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0409	2401.489	2402.530	---	---
		2440	1.0347	2439.491	2440.525	---	---
		2480	1.0345	2479.488	2480.523	---	---

Test Graphs

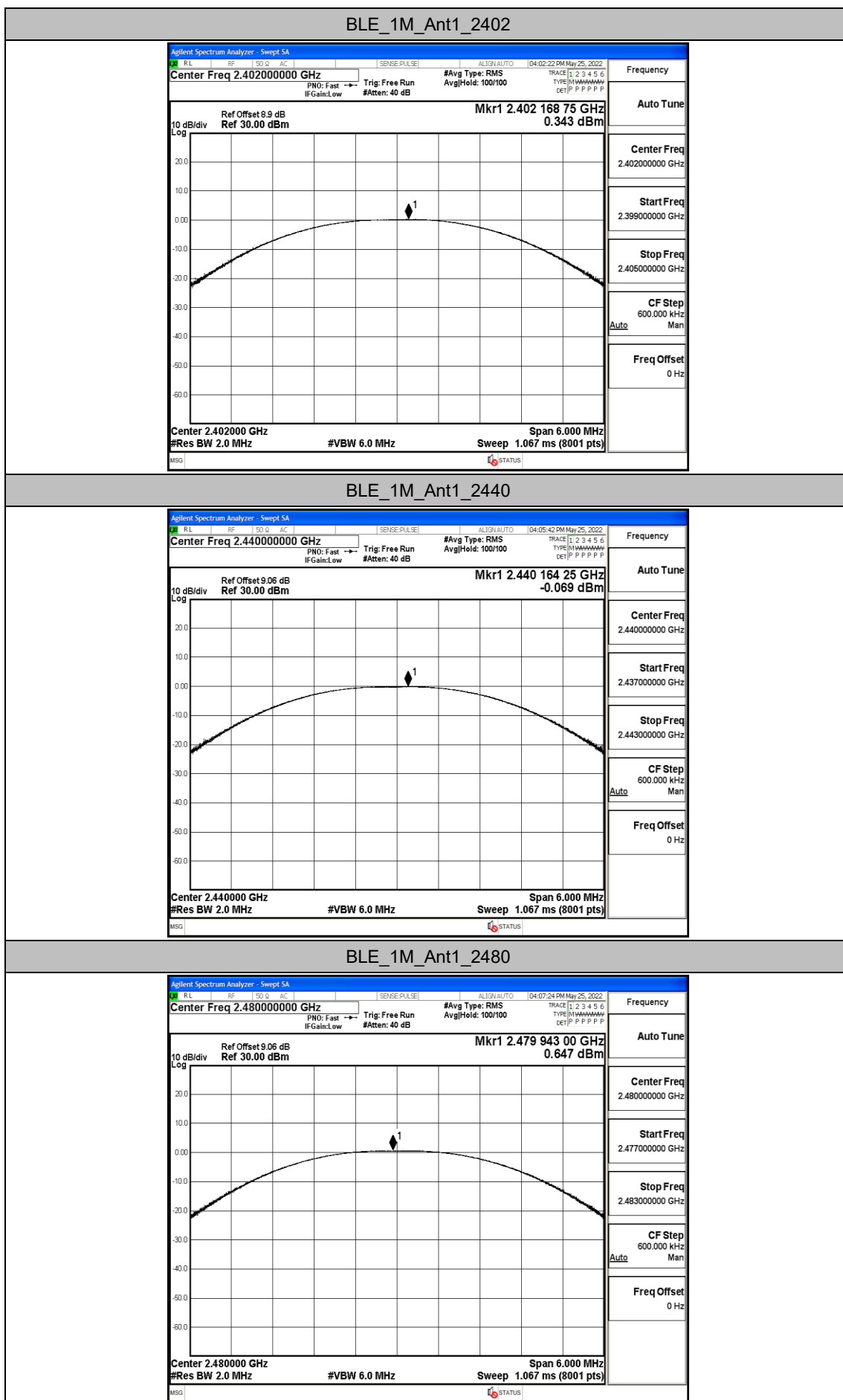


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.34	≤30	PASS
		2440	-0.07	≤30	PASS
		2480	0.65	≤30	PASS

Test Graphs

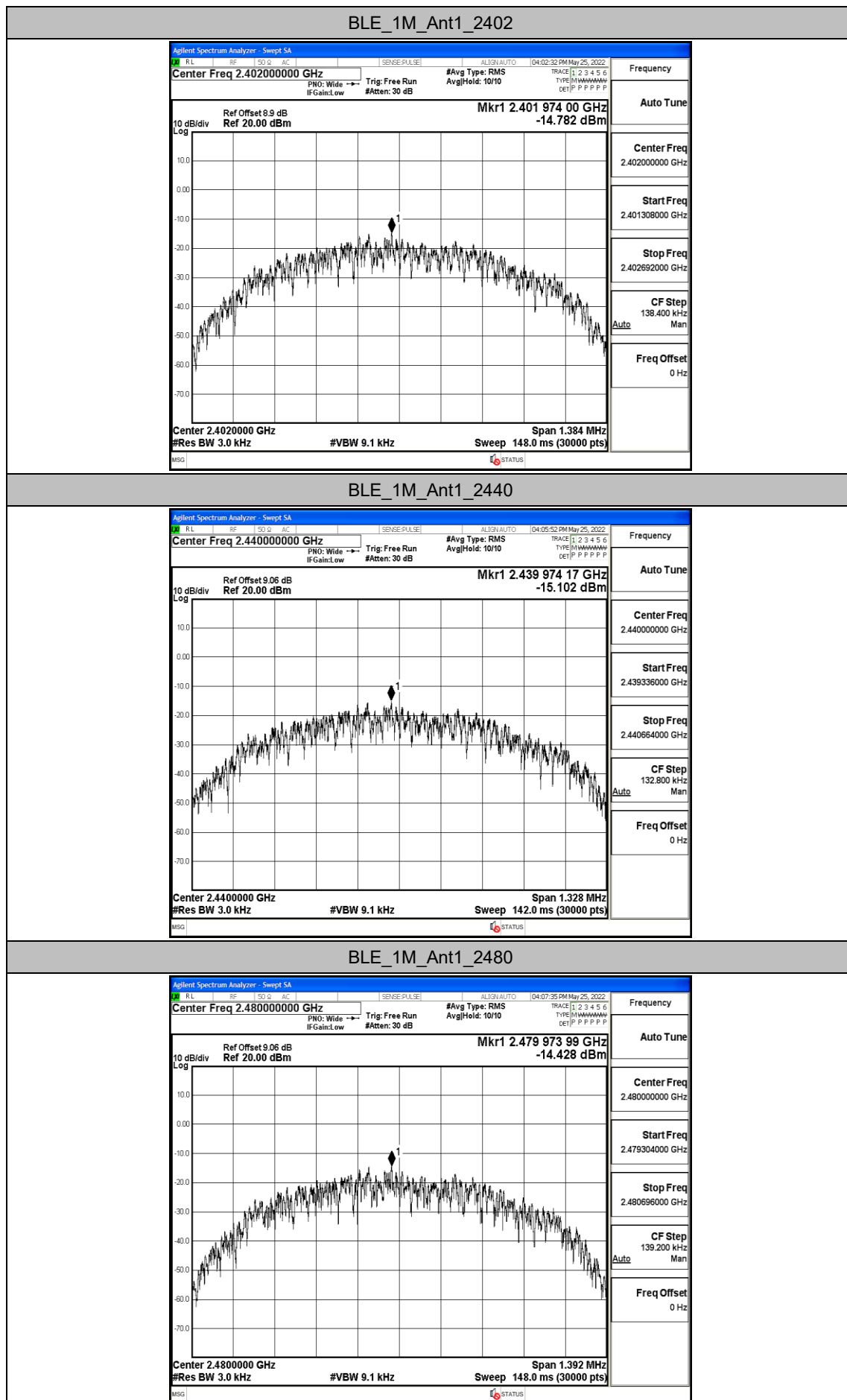


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.78	≤8.00	PASS
		2440	-15.1	≤8.00	PASS
		2480	-14.43	≤8.00	PASS

Test Graphs

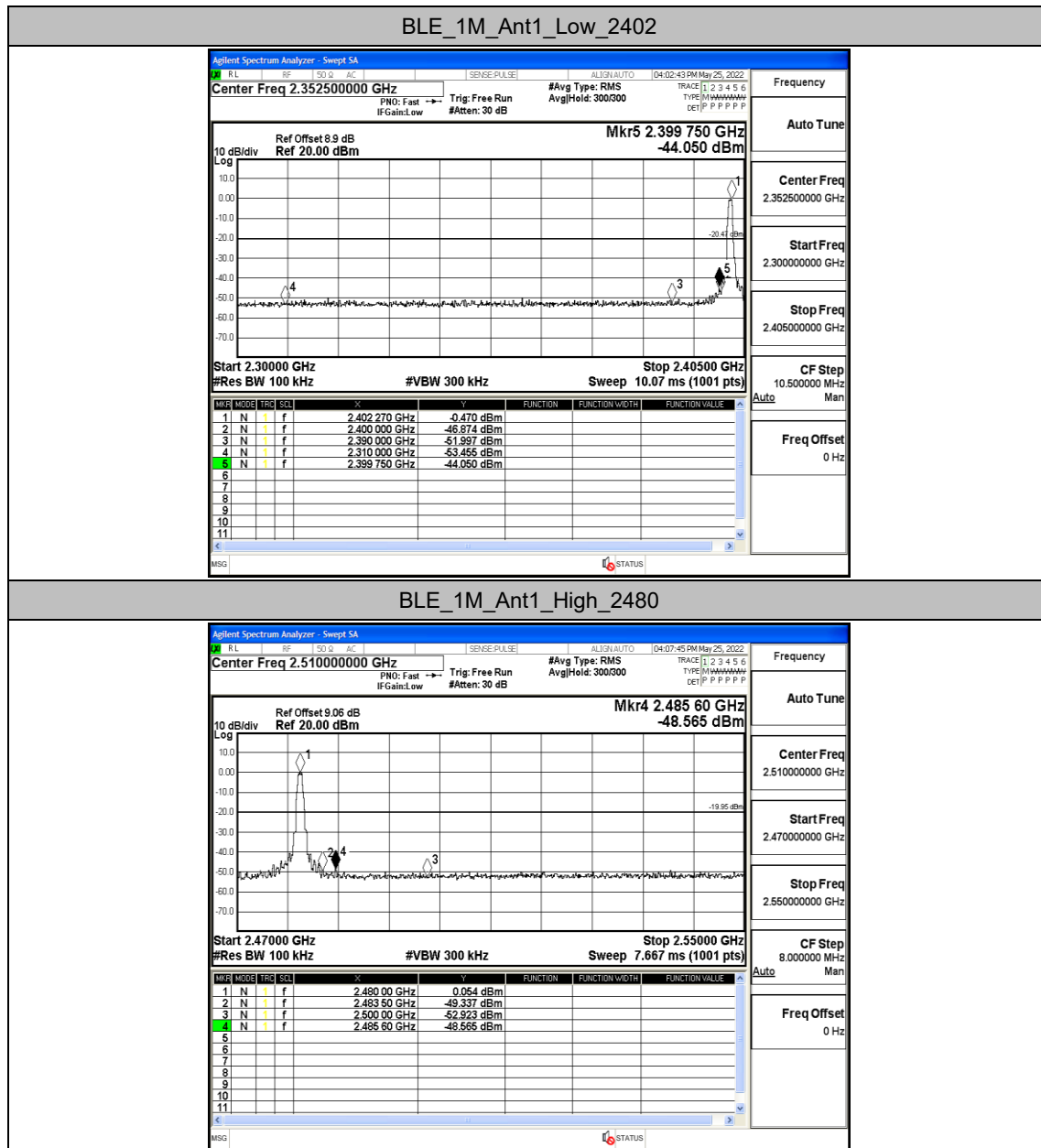


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.47	-44.05	≤-20.47	PASS
		High	2480	0.05	-48.57	≤-19.95	PASS

Test Graphs

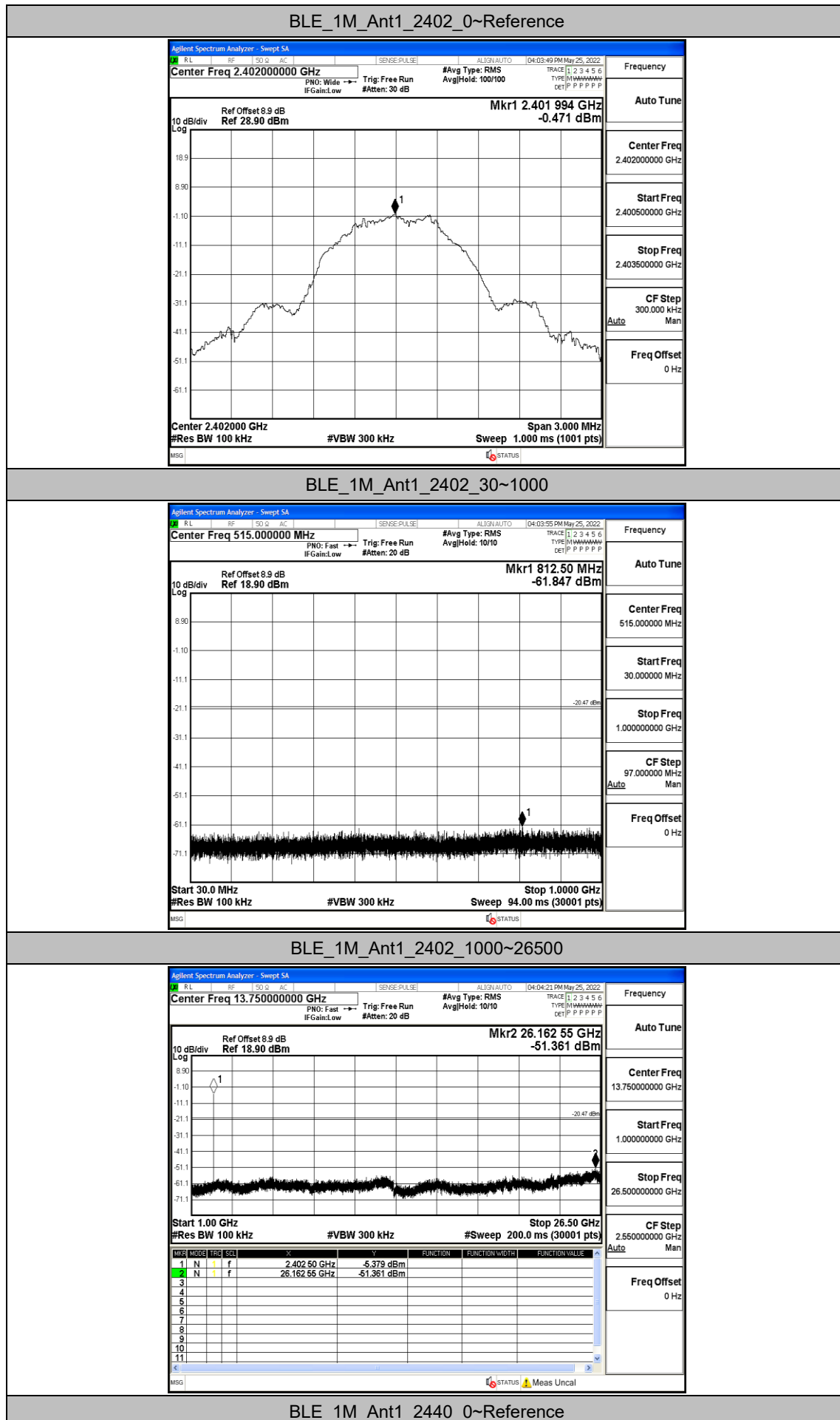


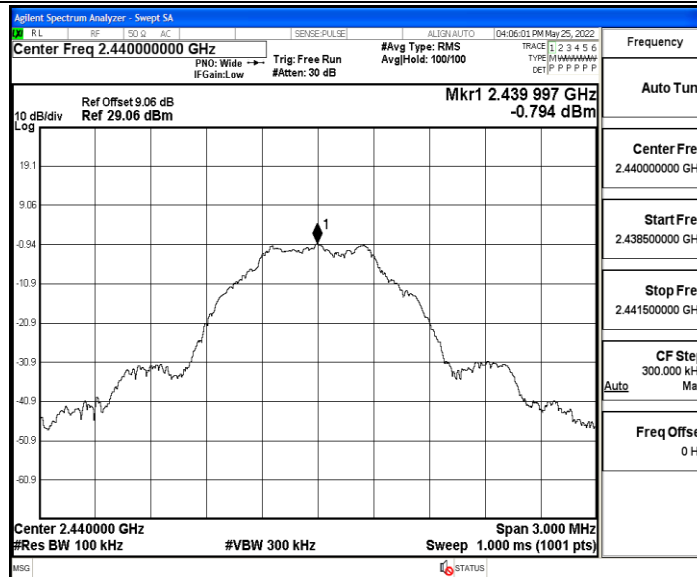
Appendix F: Conducted Spurious Emission

Test Result

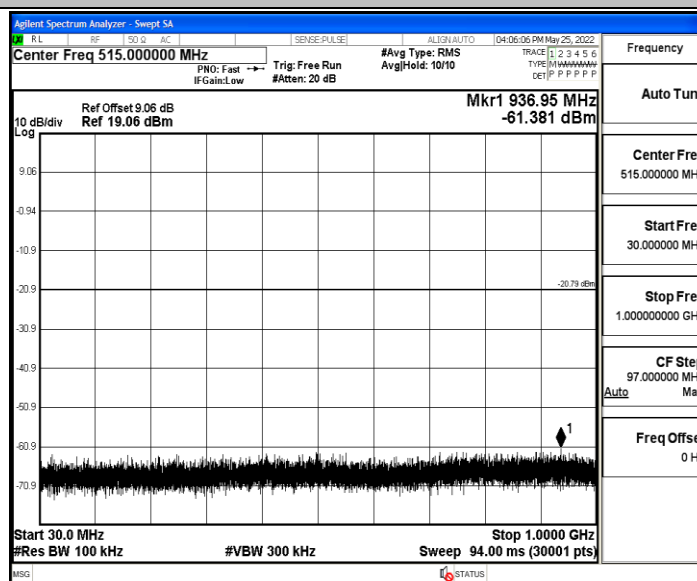
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-61.85	≤-20.47	PASS
			1000~26500	-0.47	-51.36	≤-20.47	PASS
		2440	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-61.38	≤-20.79	PASS
			1000~26500	-0.79	-50.55	≤-20.79	PASS
		2480	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-61.84	≤-20.03	PASS
			1000~26500	-0.03	-51.15	≤-20.03	PASS

Test Graphs

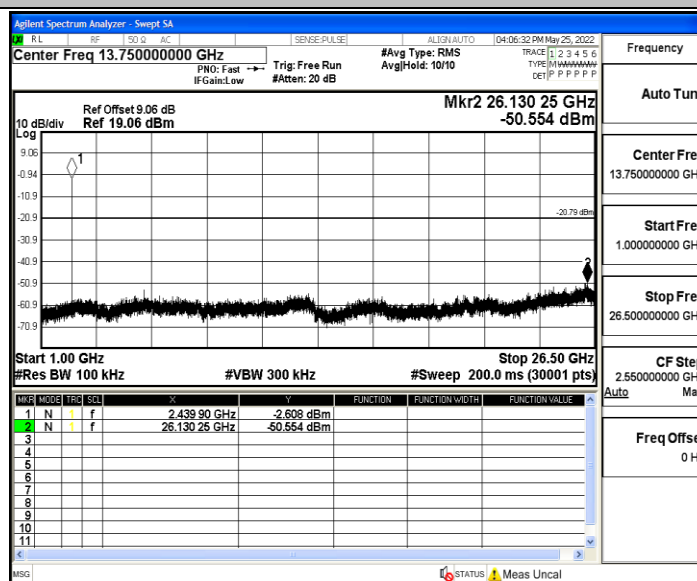




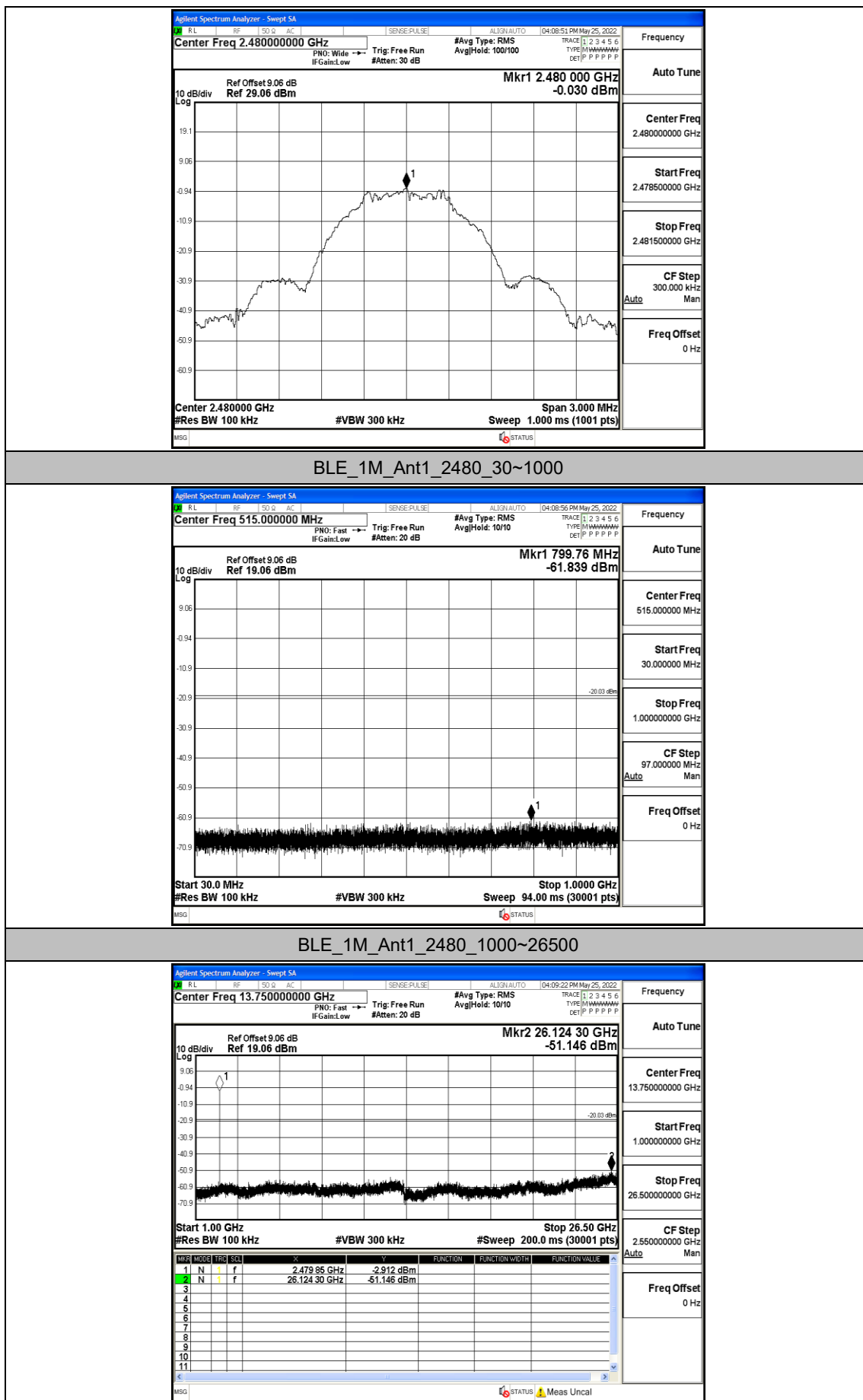
BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

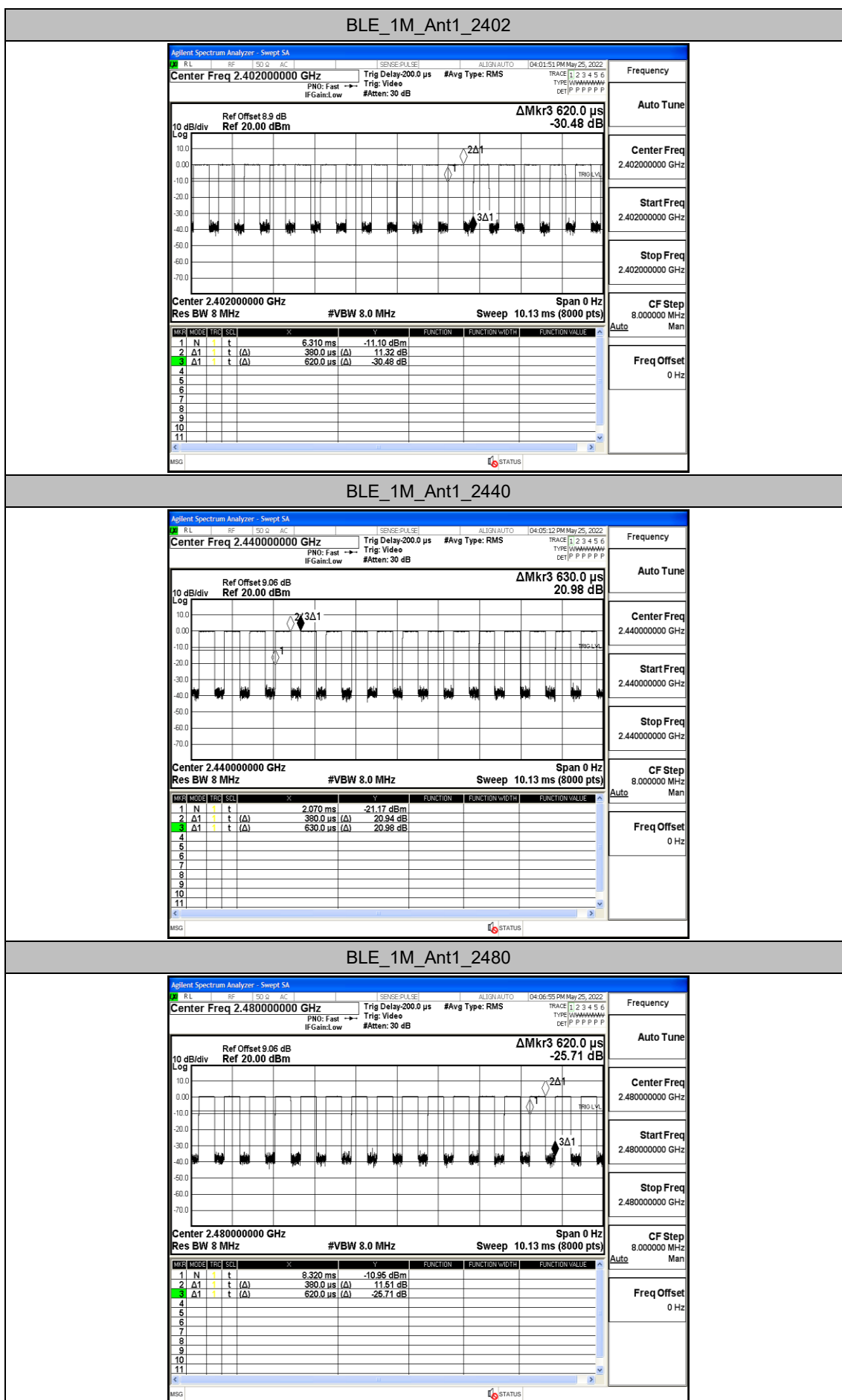


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
BLE_1M	Ant1	2402	0.38	0.62	61.29	2.63
		2440	0.38	0.63	60.32	2.63
		2480	0.38	0.62	61.29	2.63

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	-49.07	≤-41.20	PASS
				AV	2377.490	-48.09	≤-41.20	PASS
				AV	2390.000	-48.59	≤-41.20	PASS
				Peak	2310.000	-41.78	≤-21.20	PASS
				Peak	2341.895	-39.18	≤-21.20	PASS
				Peak	2390.000	-42.71	≤-21.20	PASS
		High	2480	AV	2483.500	-46.04	≤-41.20	PASS
				AV	2483.680	-45.86	≤-41.20	PASS
				AV	2500.000	-48.07	≤-41.20	PASS
				Peak	2483.500	-41.54	≤-21.20	PASS
				Peak	2483.600	-32.66	≤-21.20	PASS
				Peak	2500.000	-41.35	≤-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

