

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

Product Name: Mobile Phone

Trade Mark: YEZZ

Test Model: LIV 3 LTE

FCC ID:2APW4LIV3L

Environmental Conditions

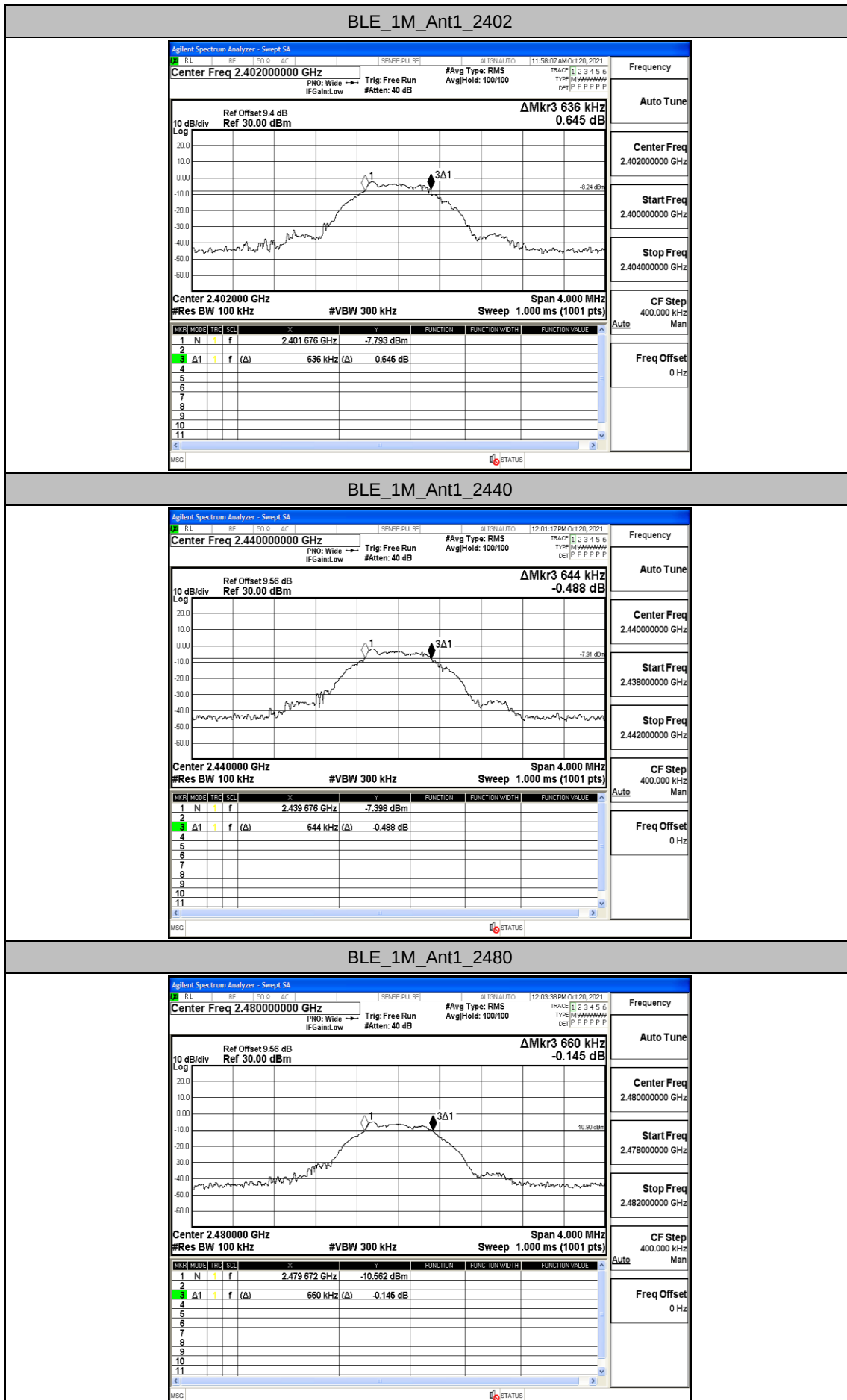
Temperature:	25.5°C
Relative Humidity:	55.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.636	2401.676	2402.312	0.5	PASS
		2440	0.644	2439.676	2440.320	0.5	PASS
		2480	0.660	2479.672	2480.332	0.5	PASS

Test Graphs

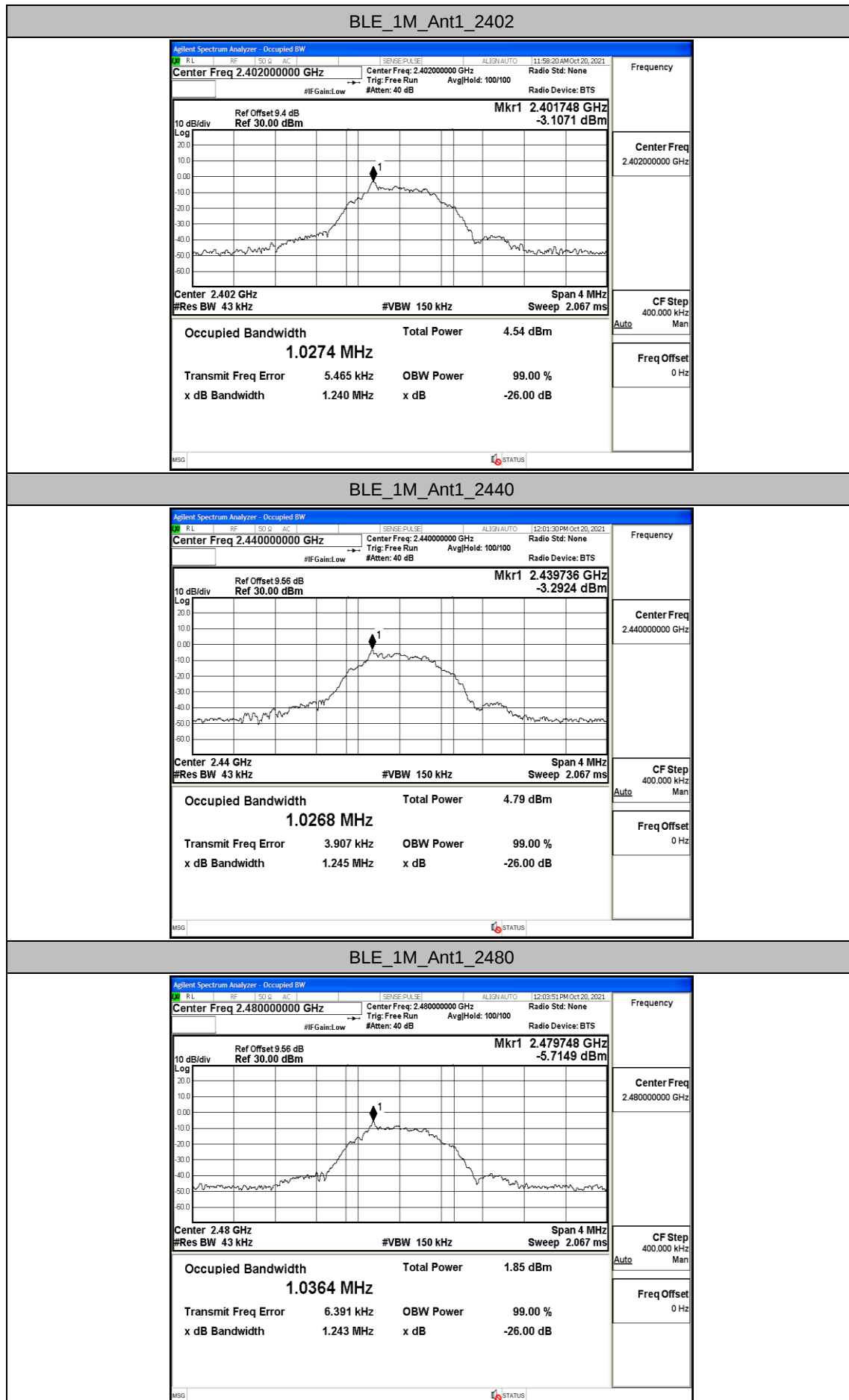


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0274	2401.492	2402.519	---	PASS
		2440	1.0268	2439.491	2440.517	---	PASS
		2480	1.0364	2479.488	2480.525	---	PASS

Test Graphs

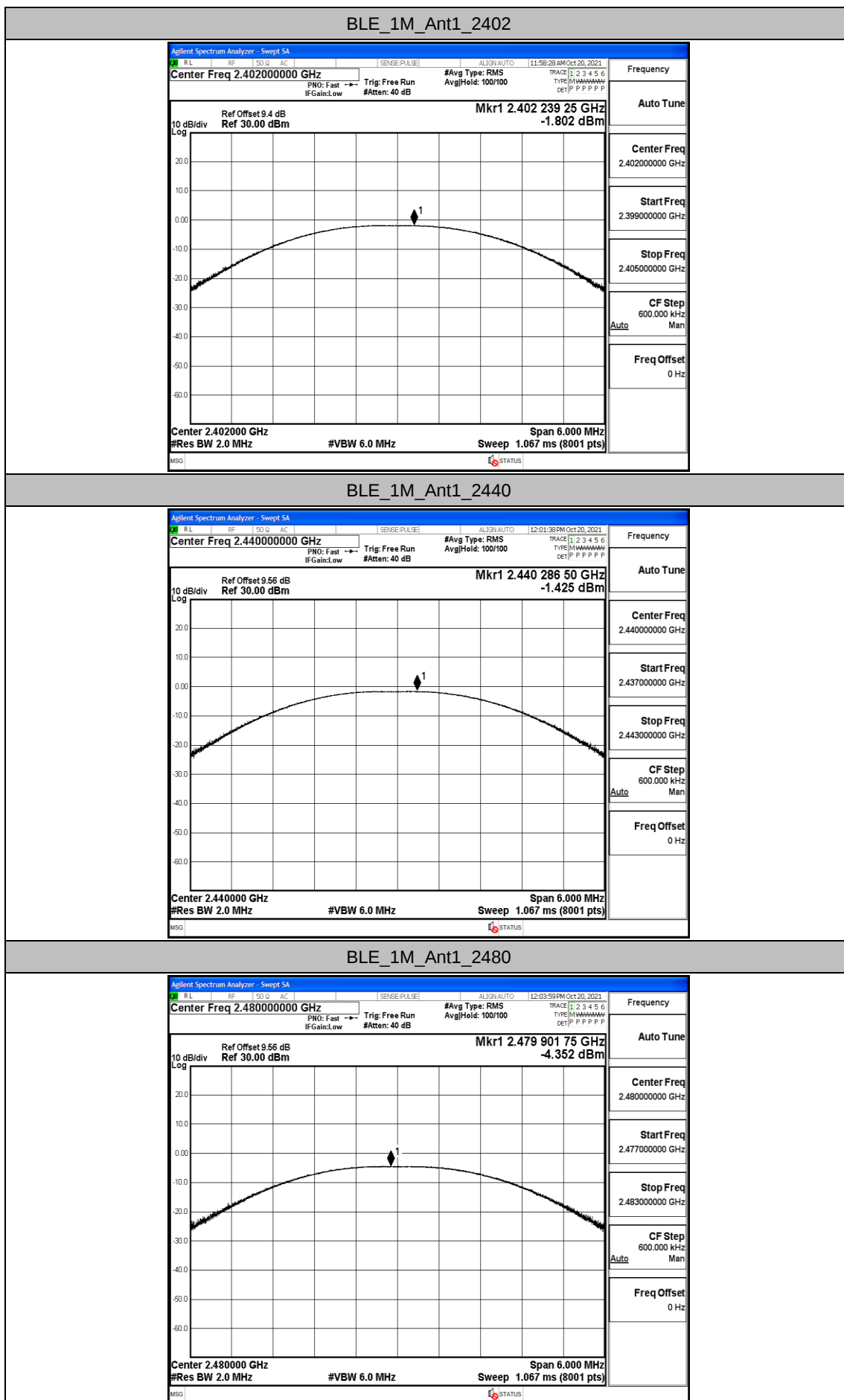


Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	-1.8	<=30	PASS
		2440	-1.43	<=30	PASS
		2480	-4.35	<=30	PASS

Test Graphs

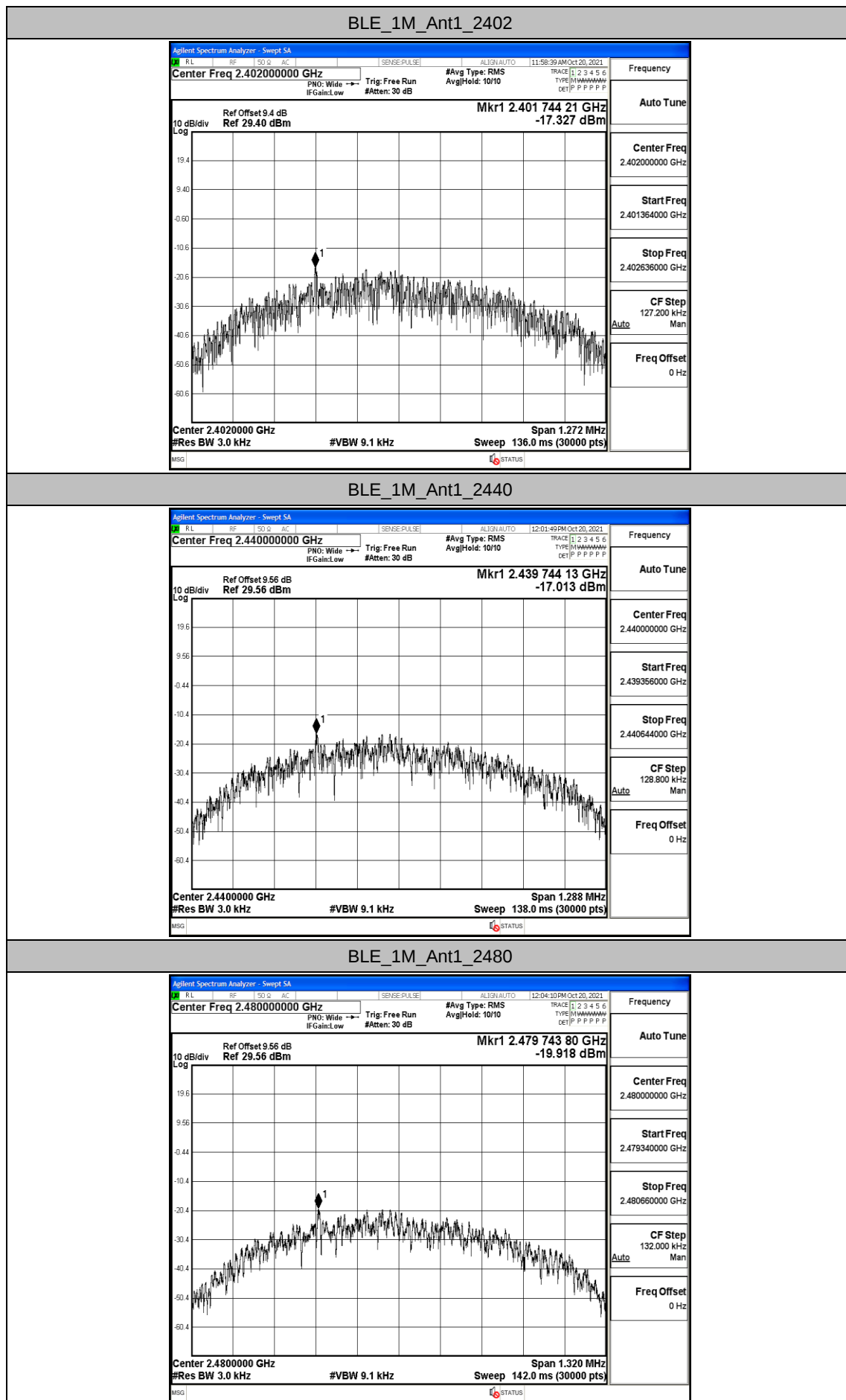


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/ /3-100kHz]	Limit[dBm/ 3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-17.33	<=8	PASS
		2440	-17.01	<=8	PASS
		2480	-19.92	<=8	PASS

Test Graphs

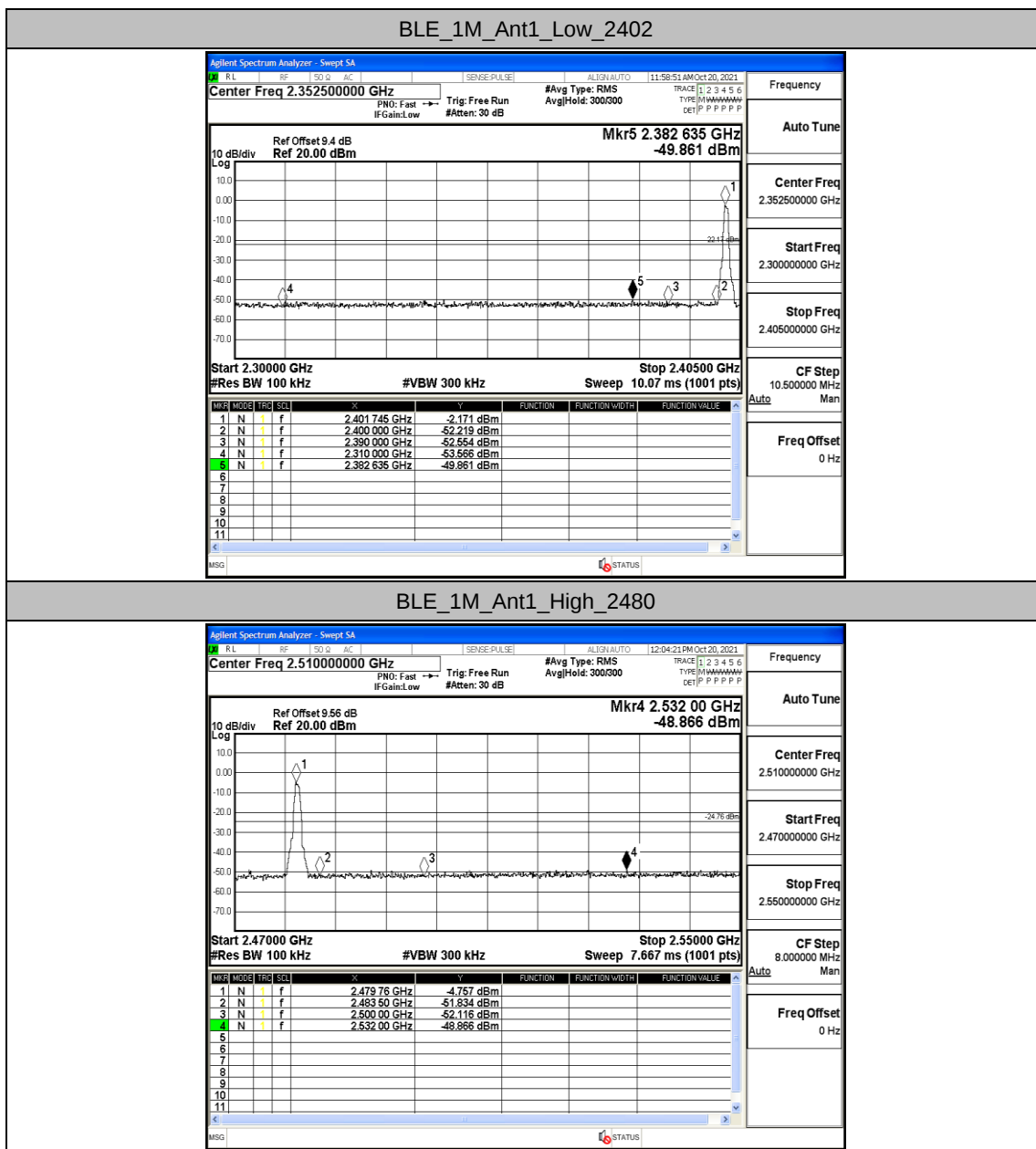


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-2.17	-49.86	≤-22.17	PASS
		High	2480	-4.76	-48.87	≤-24.76	PASS

Test Graphs

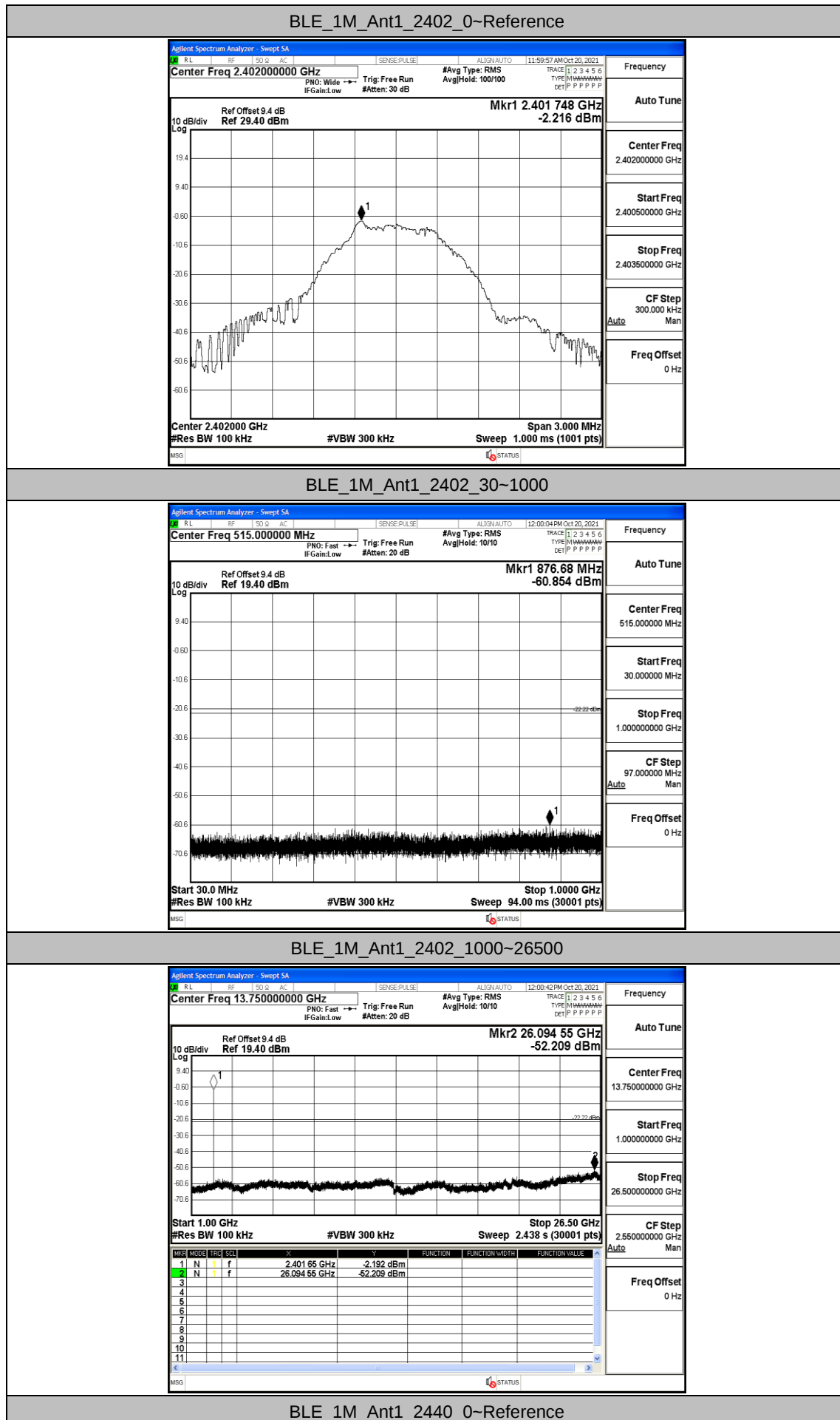


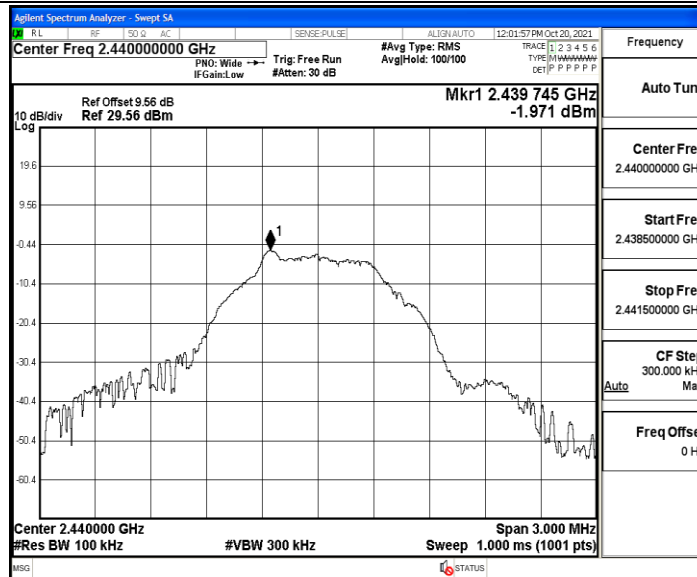
Appendix F: Conducted Spurious Emission

Test Result

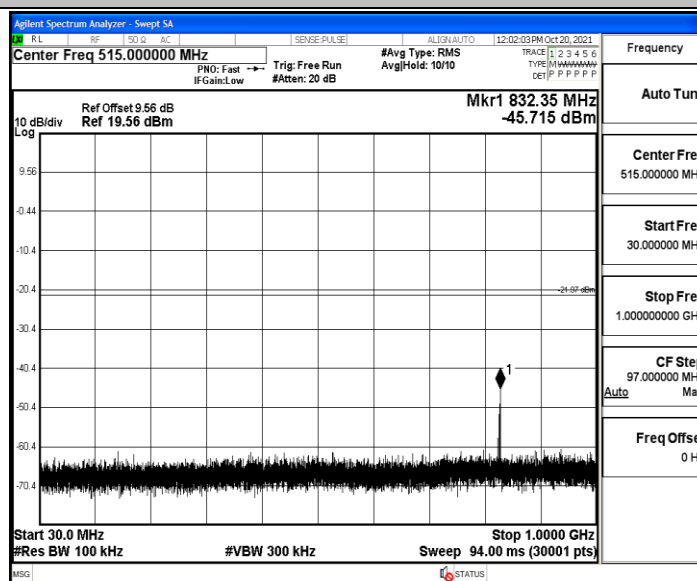
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-60.85	≤-22.22	PASS
			1000~26500	-2.22	-52.21	≤-22.22	PASS
		2440	Reference	-1.97	-1.97	---	PASS
			30~1000	-1.97	-45.72	≤-21.97	PASS
			1000~26500	-1.97	-51.29	≤-21.97	PASS
		2480	Reference	-4.88	-4.88	---	PASS
			30~1000	-4.88	-61.39	≤-24.88	PASS
			1000~26500	-4.88	-51.81	≤-24.88	PASS

Test Graphs

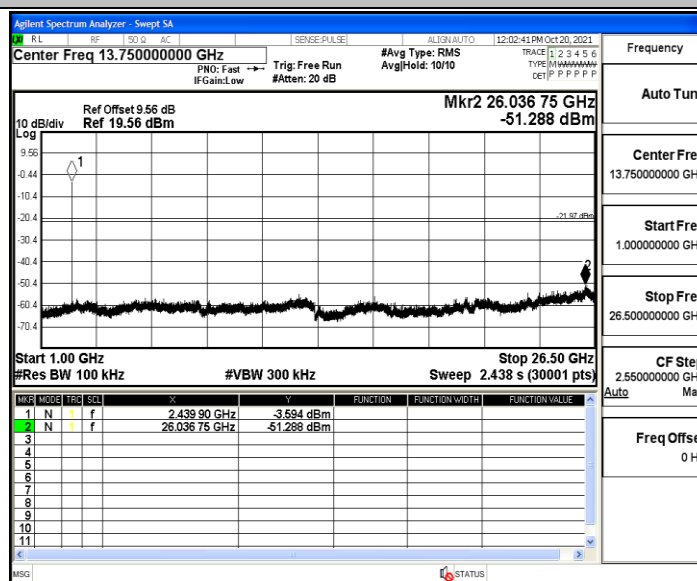




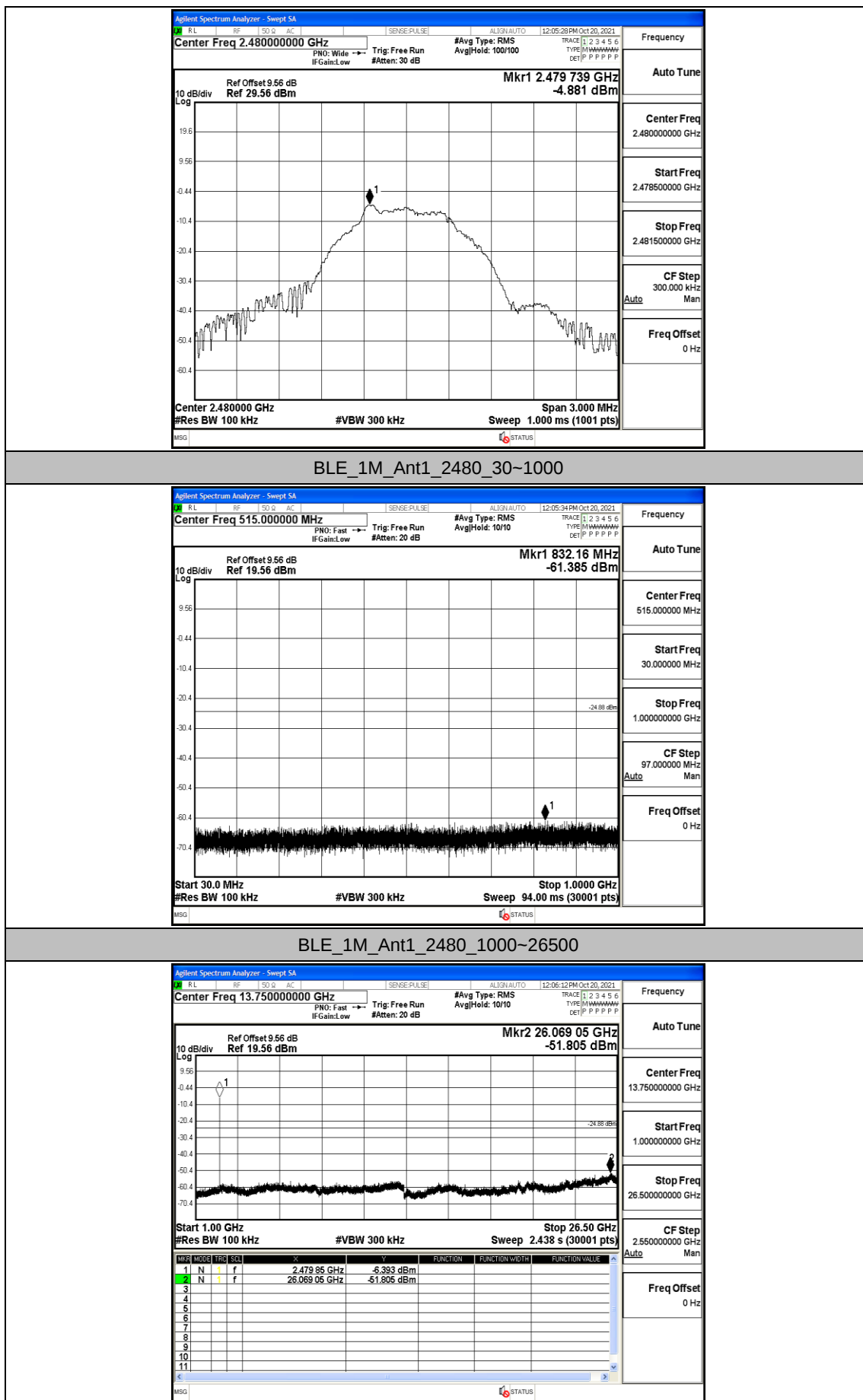
BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

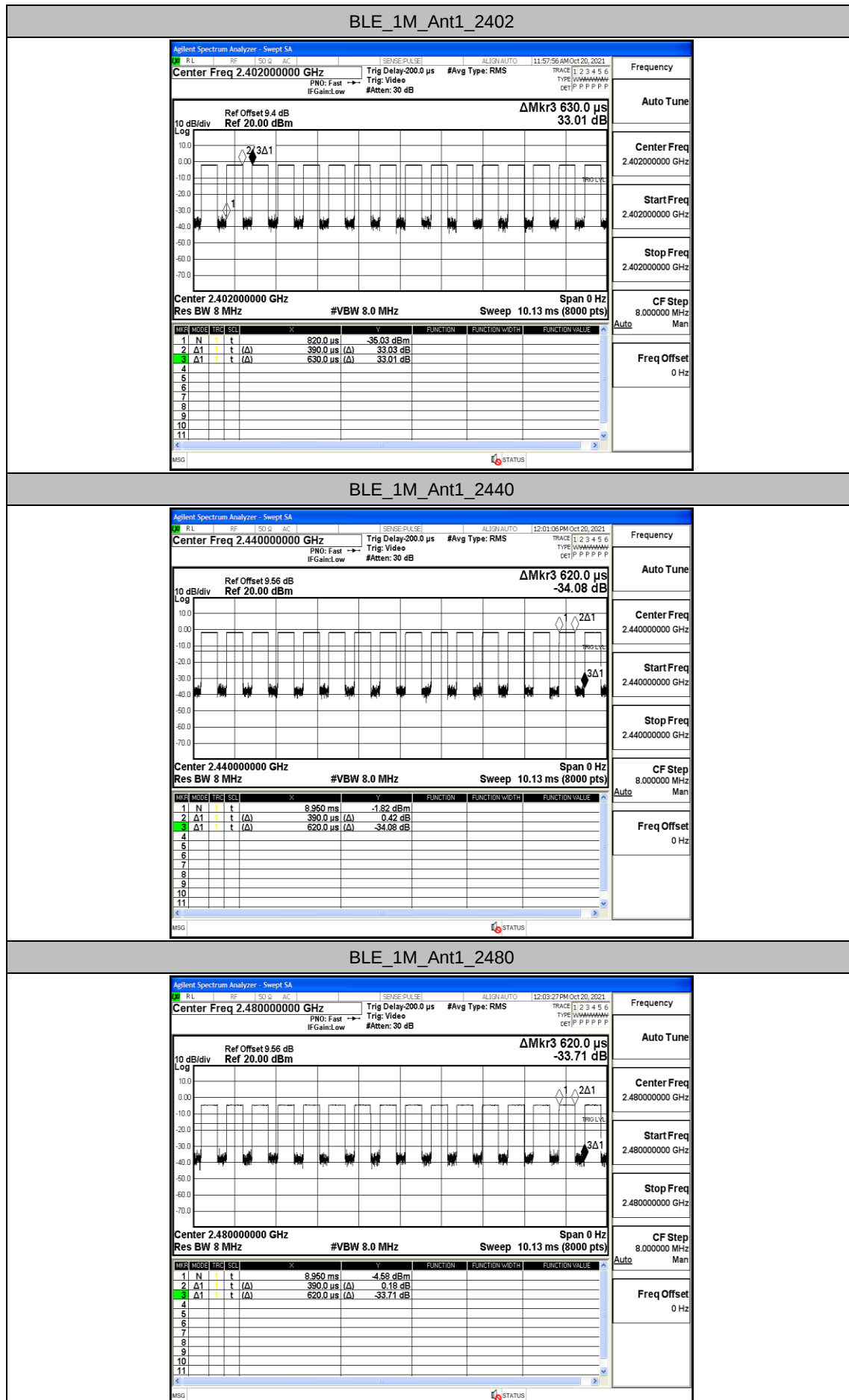


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/B [kHz]
BLE_BT4.0	Ant1	2402	0.39	0.63	61.90	2.56
		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	-48.23	≤-41.20	PASS
				AV	2355.755	-47.83	≤-41.20	PASS
				AV	2390.000	-47.94	≤-41.20	PASS
				Peak	2310.000	-41.37	≤-21.20	PASS
				Peak	2348.930	-39.12	≤-21.20	PASS
				Peak	2390.000	-40.88	≤-21.20	PASS
		High	2480	AV	2483.500	-47.79	≤-41.20	PASS
				AV	2497.840	-47.09	≤-41.20	PASS
				AV	2500.000	-47.68	≤-41.20	PASS
				Peak	2483.500	-41.53	≤-21.20	PASS
				Peak	2487.120	-38.12	≤-21.20	PASS
				Peak	2500.000	-39.81	≤-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

