

Appendix: Bluetooth LE

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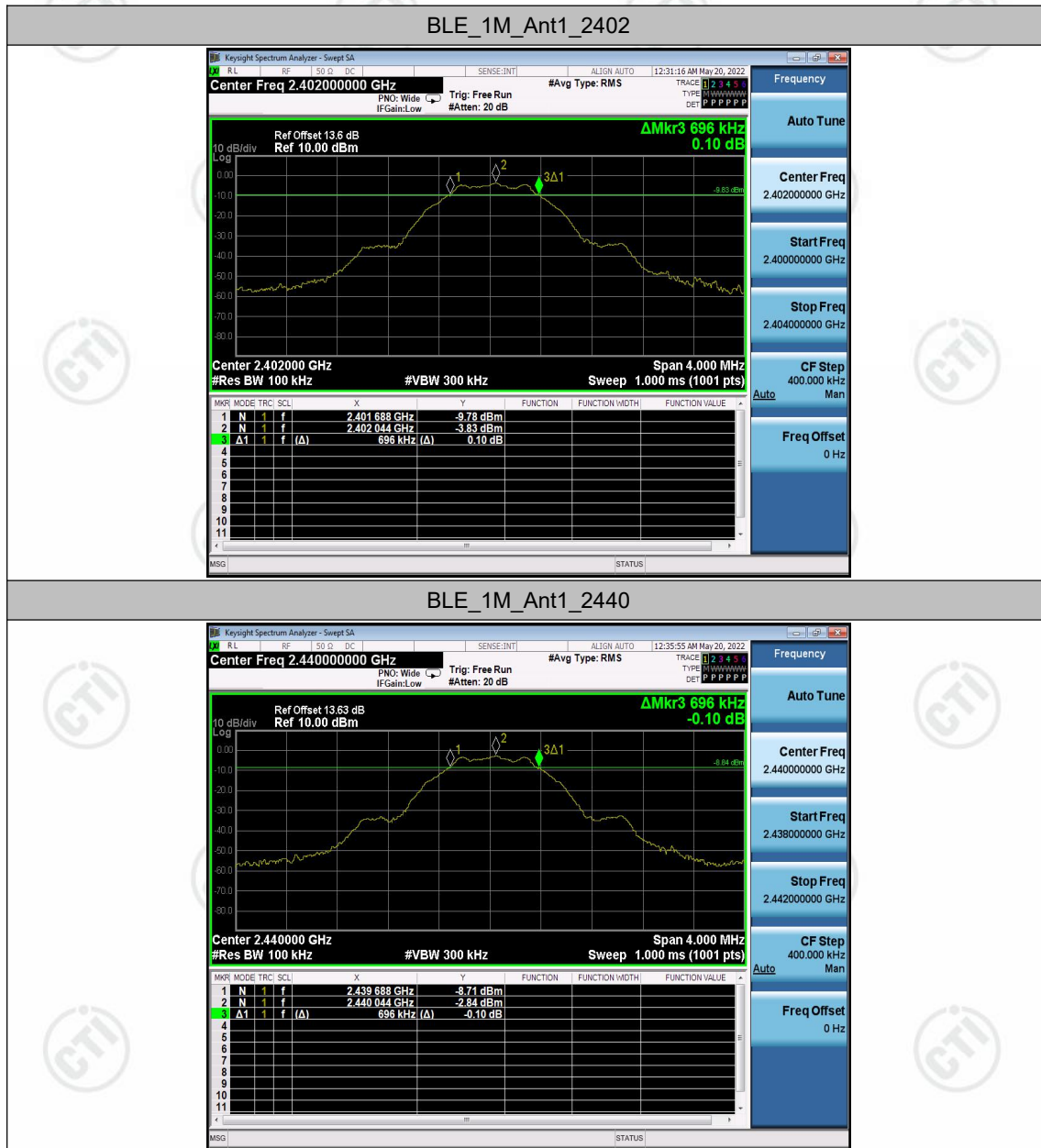
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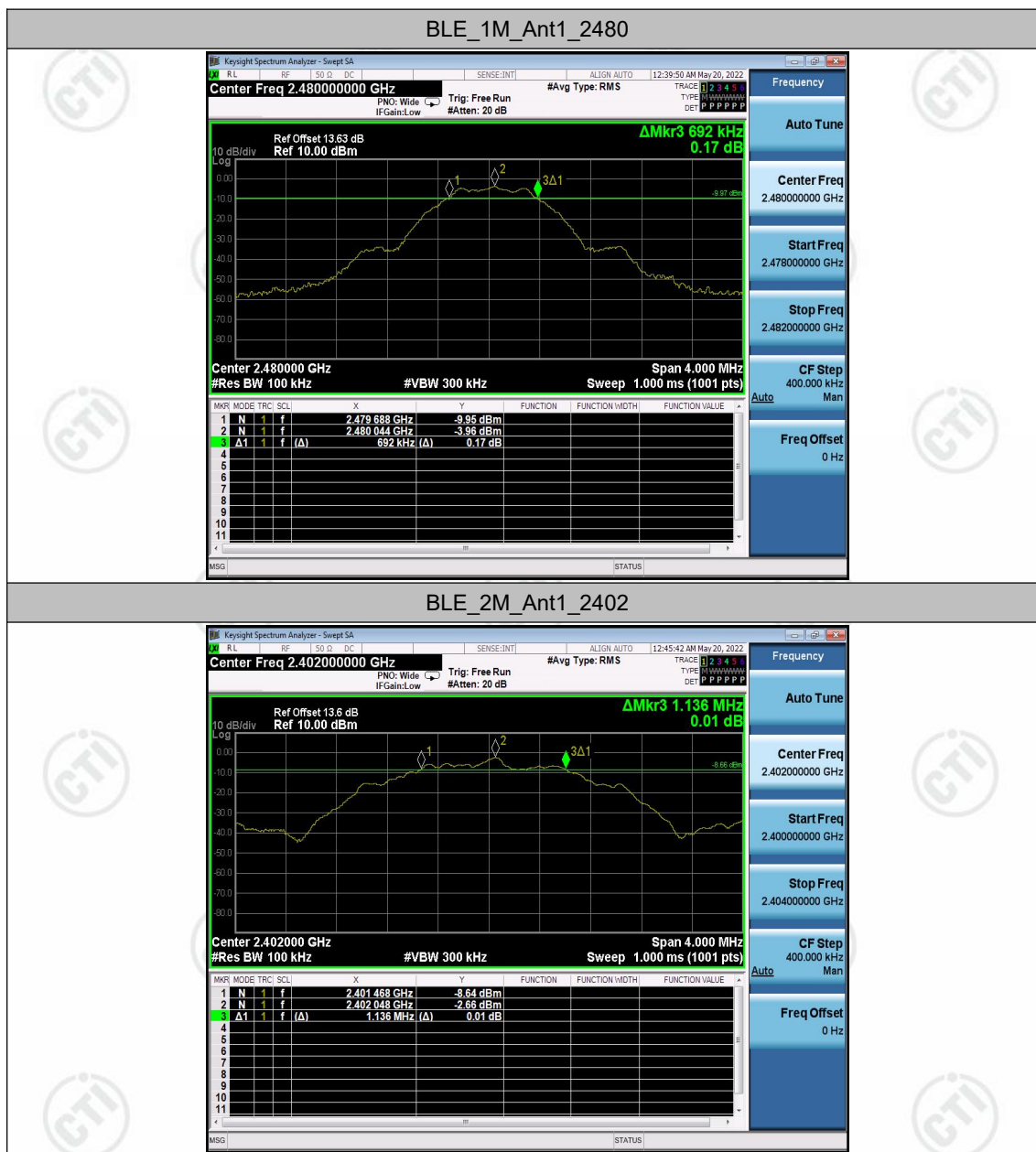
Appendix A: DTS Bandwidth

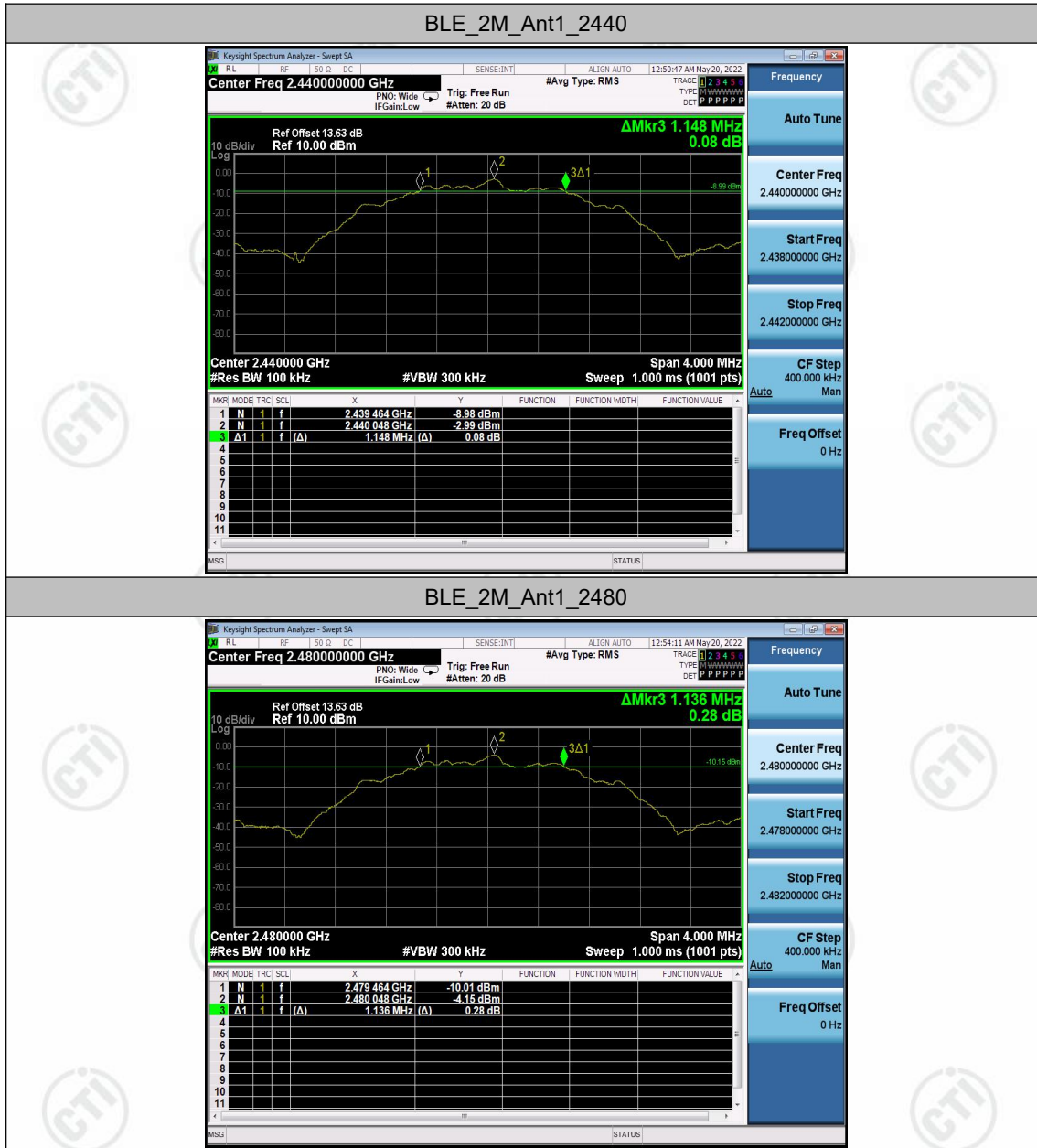
Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.688	2402.384	0.5	PASS
		2440	0.696	2439.688	2440.384	0.5	PASS
		2480	0.692	2479.688	2480.380	0.5	PASS
BLE_2M	Ant1	2402	1.136	2401.468	2402.604	0.5	PASS
		2440	1.148	2439.464	2440.612	0.5	PASS
		2480	1.136	2479.464	2480.600	0.5	PASS

Test Graphs





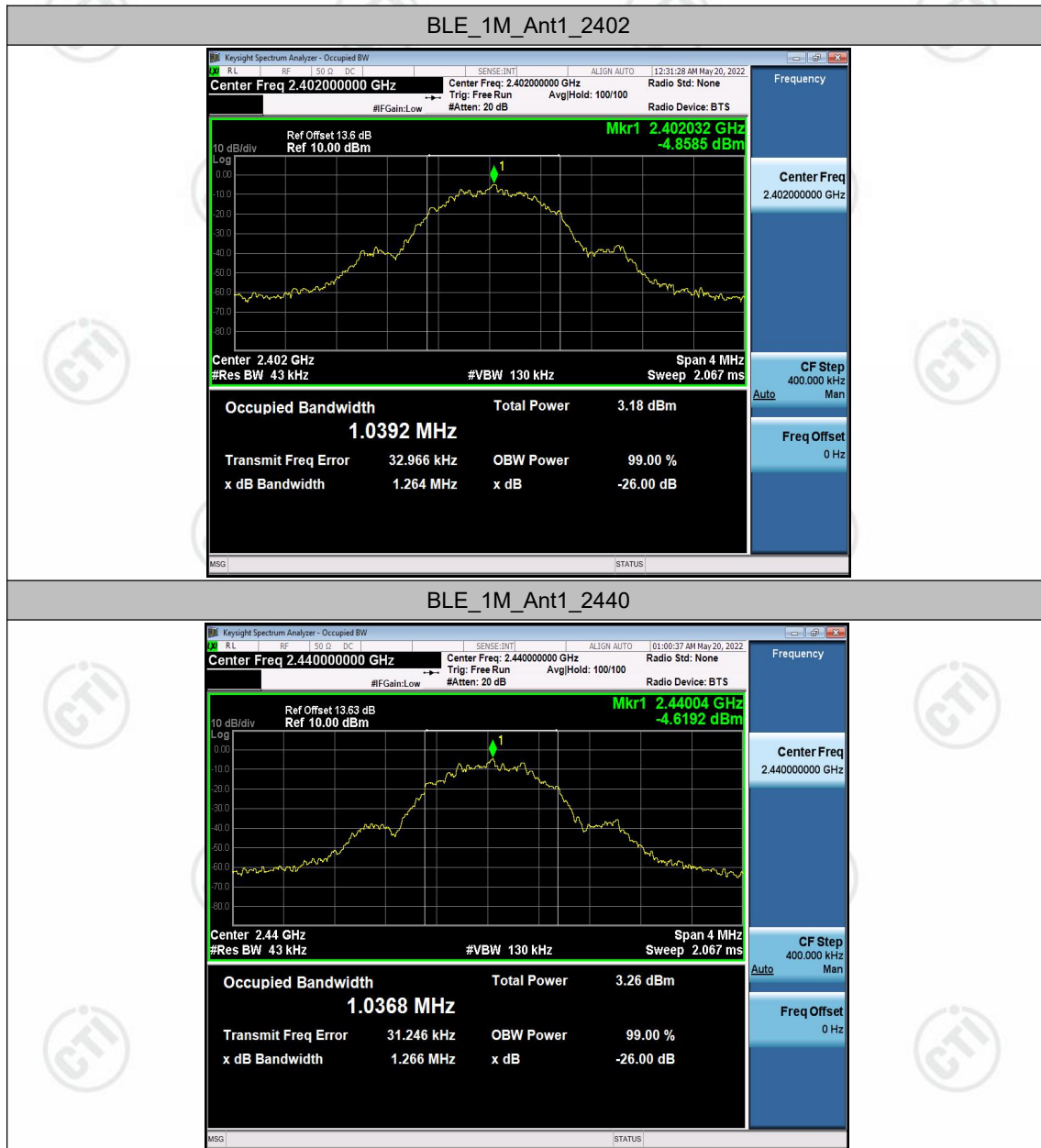


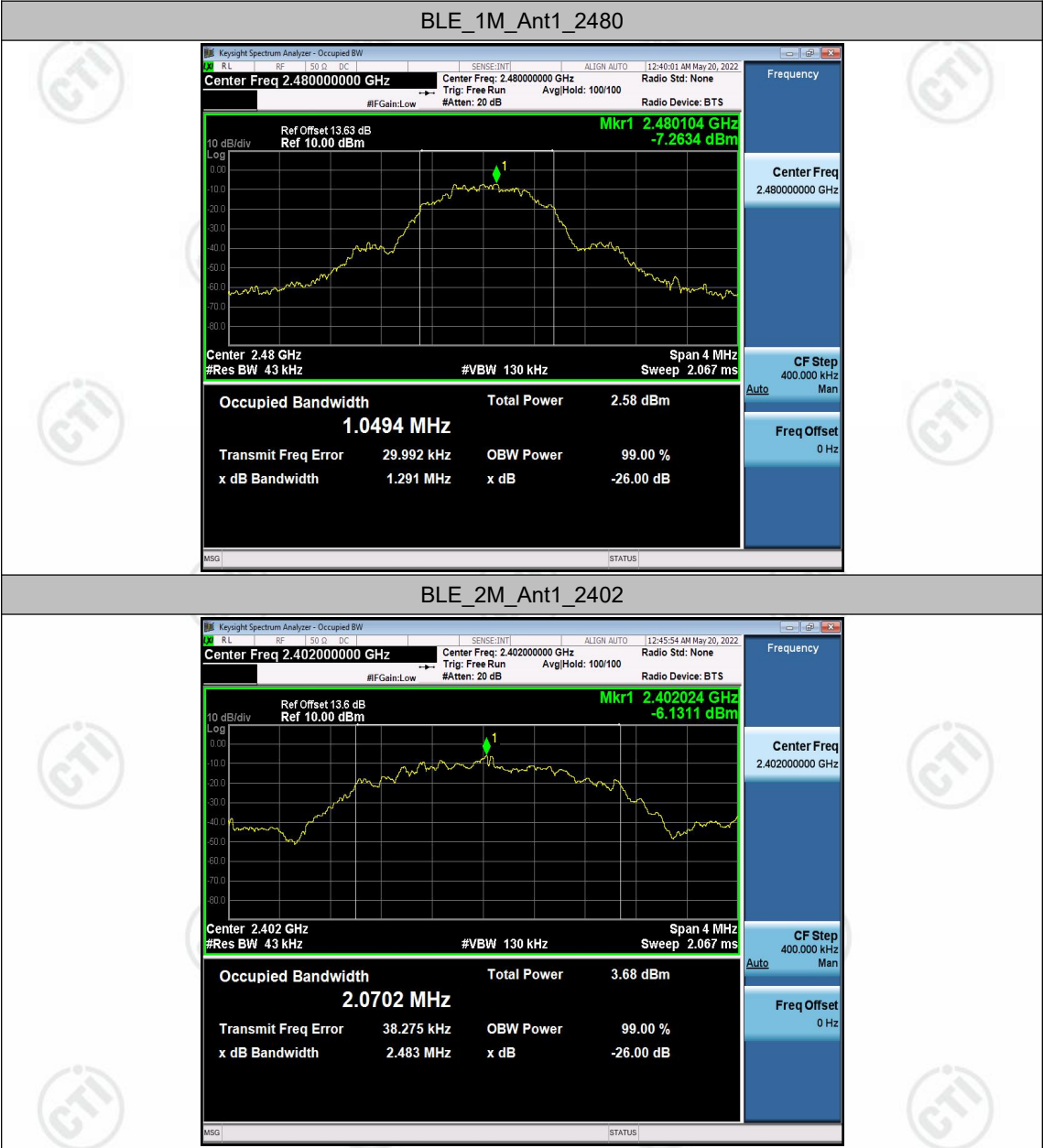
Appendix B: Occupied Channel Bandwidth

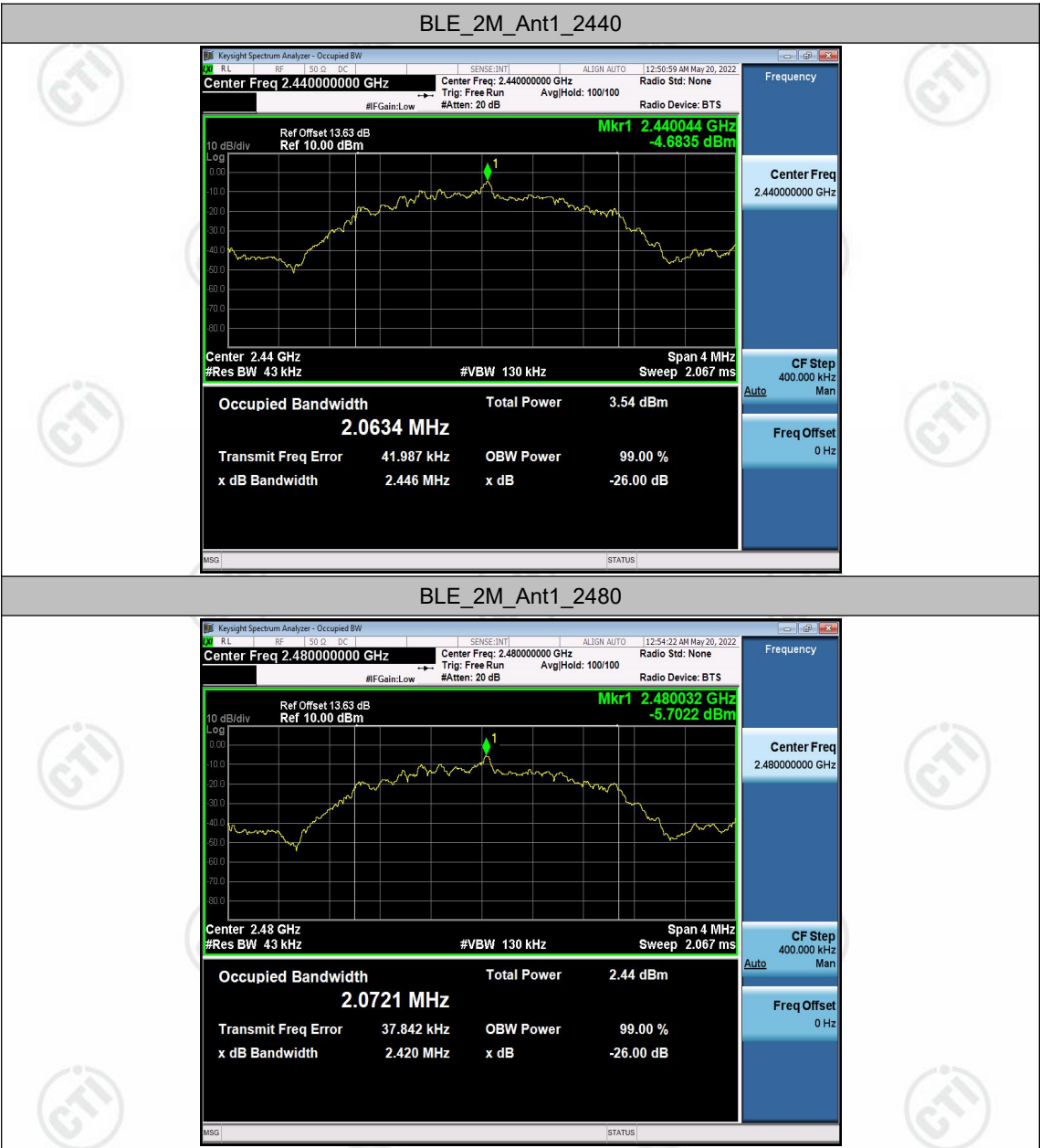
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0392	2401.513	2402.553	---	---
		2440	1.0368	2438.520	2440.540	---	---
		2480	1.0494	2479.505	2480.555	---	---
BLE_2M	Ant1	2402	2.0702	2401.003	2403.073	---	---
		2440	2.0634	2439.010	2441.074	---	---
		2480	2.0721	2479.002	2481.074	---	---

Test Graphs





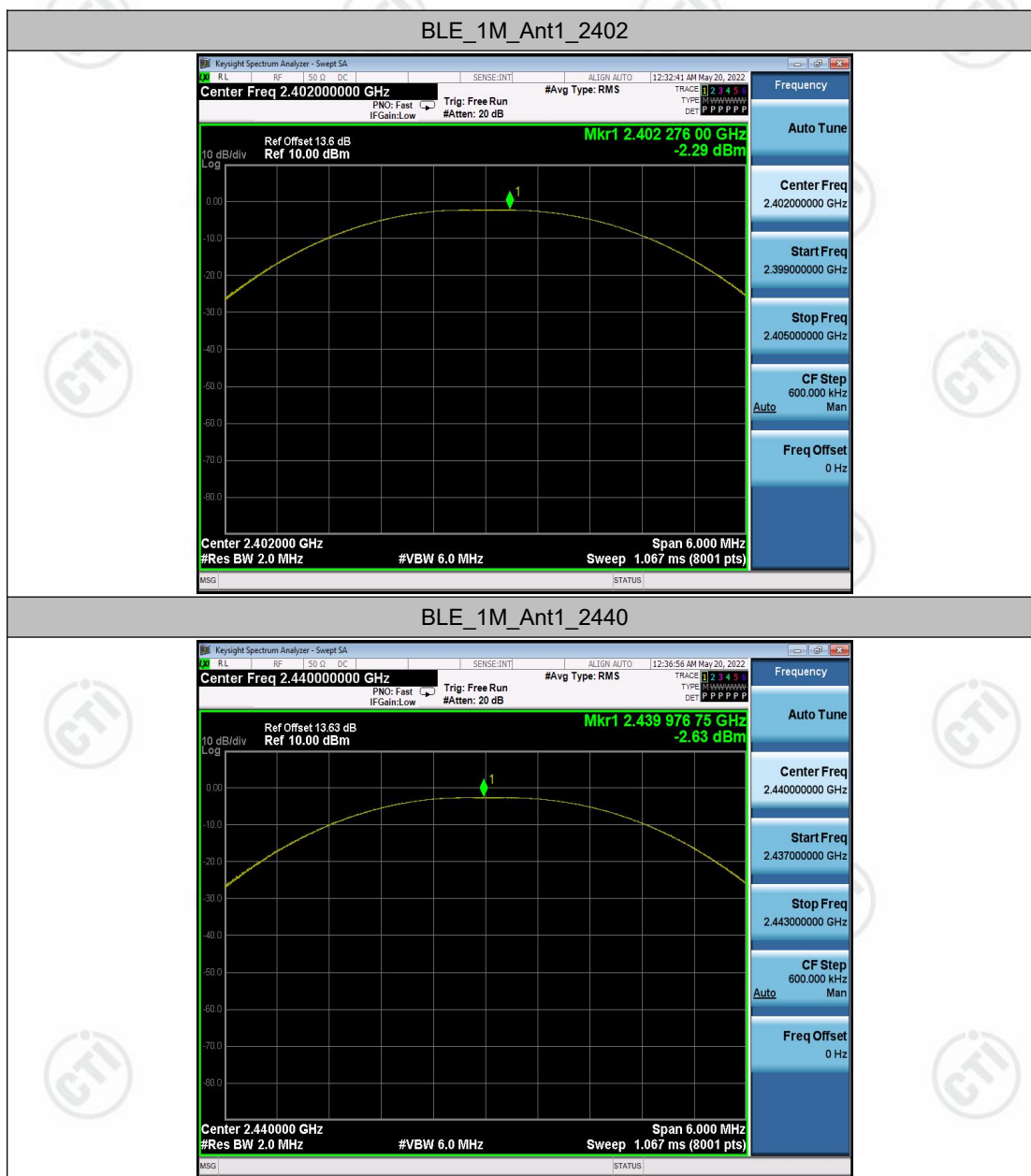


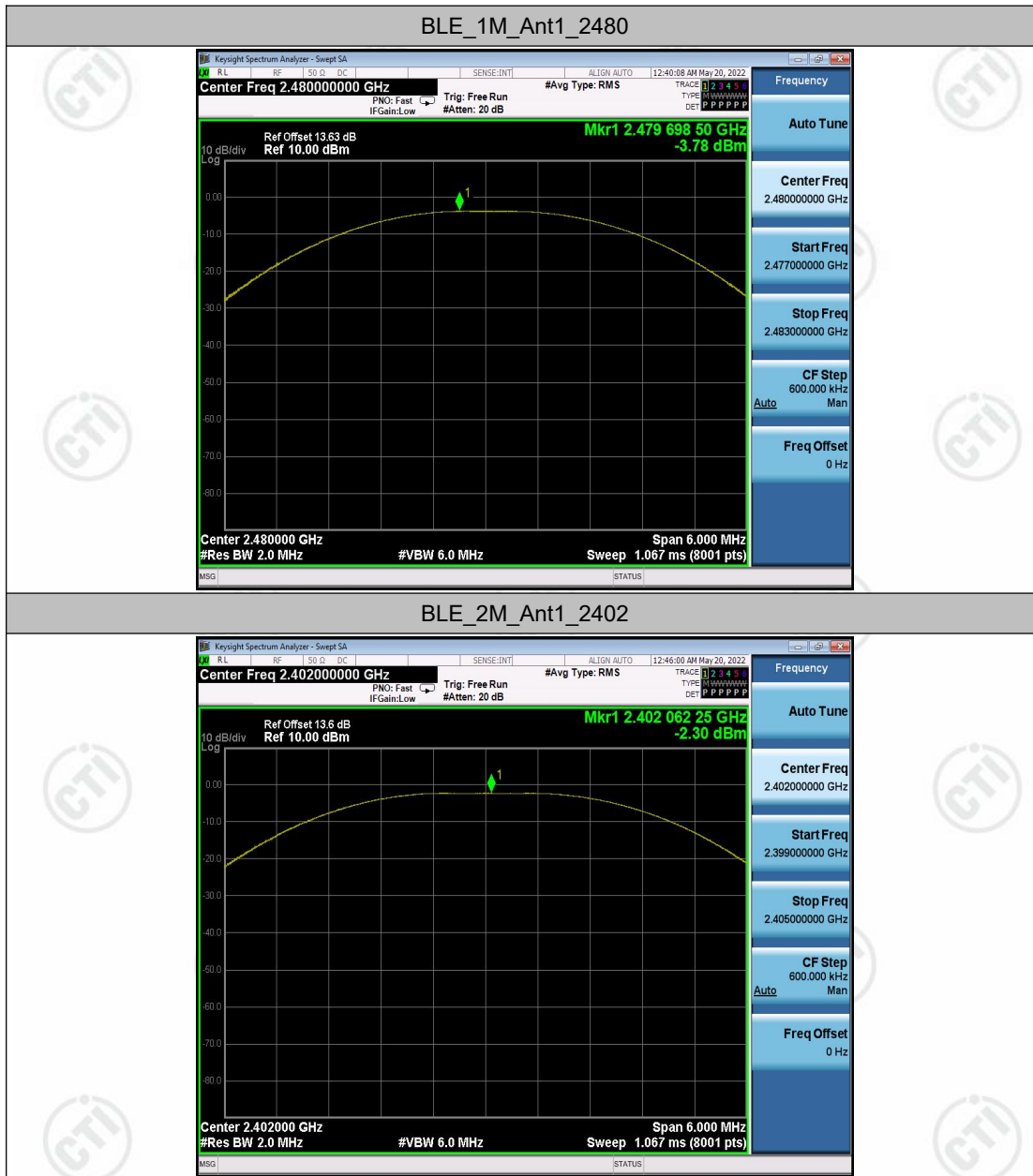
Appendix C: Maximum conducted output power

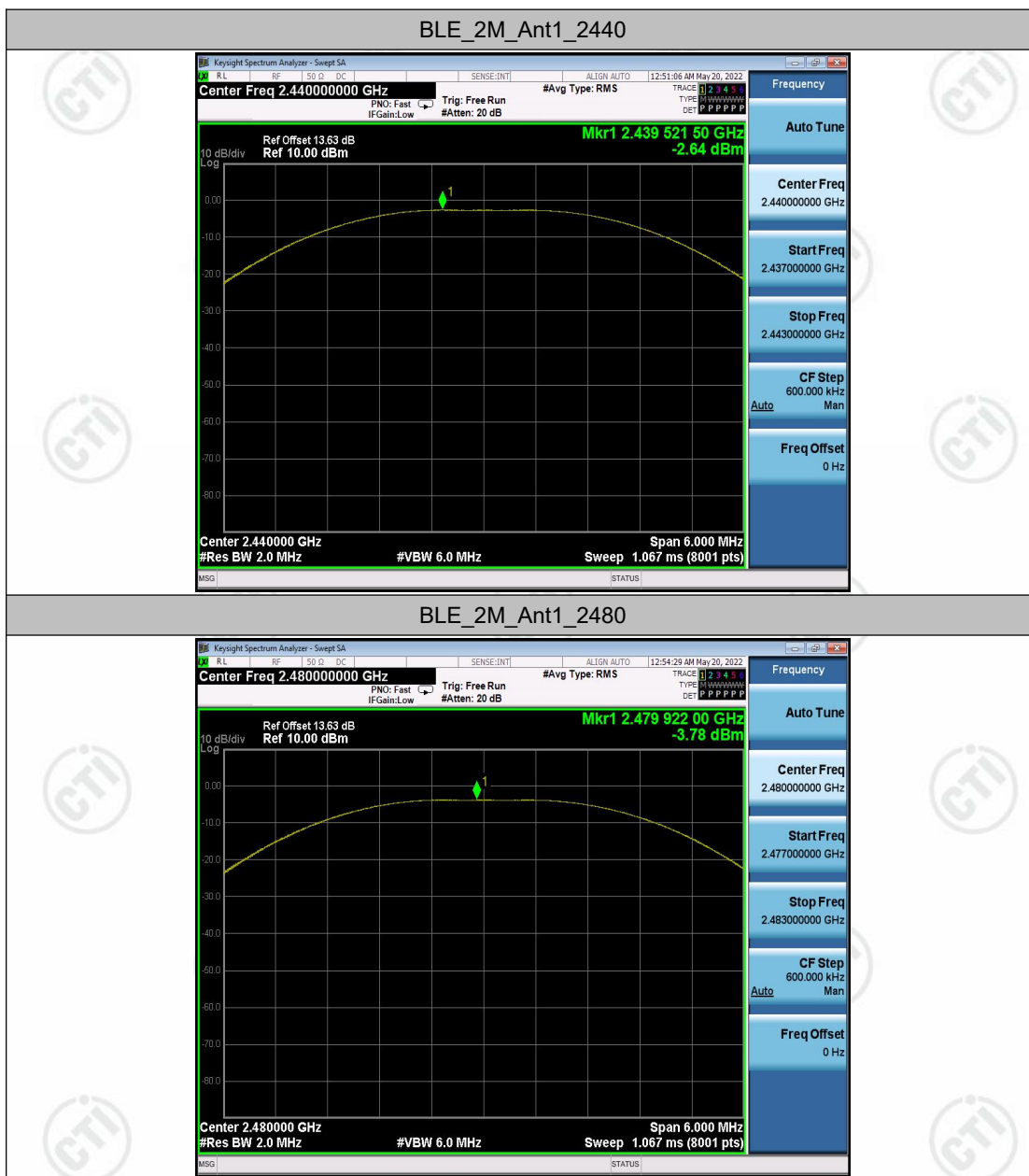
Test Result Peak

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.29	≤30	PASS
		2440	-2.63	≤30	PASS
		2480	-3.78	≤30	PASS
BLE_2M	Ant1	2402	-2.31	≤30	PASS
		2440	-2.64	≤30	PASS
		2480	-3.78	≤30	PASS

Test Graphs Peak





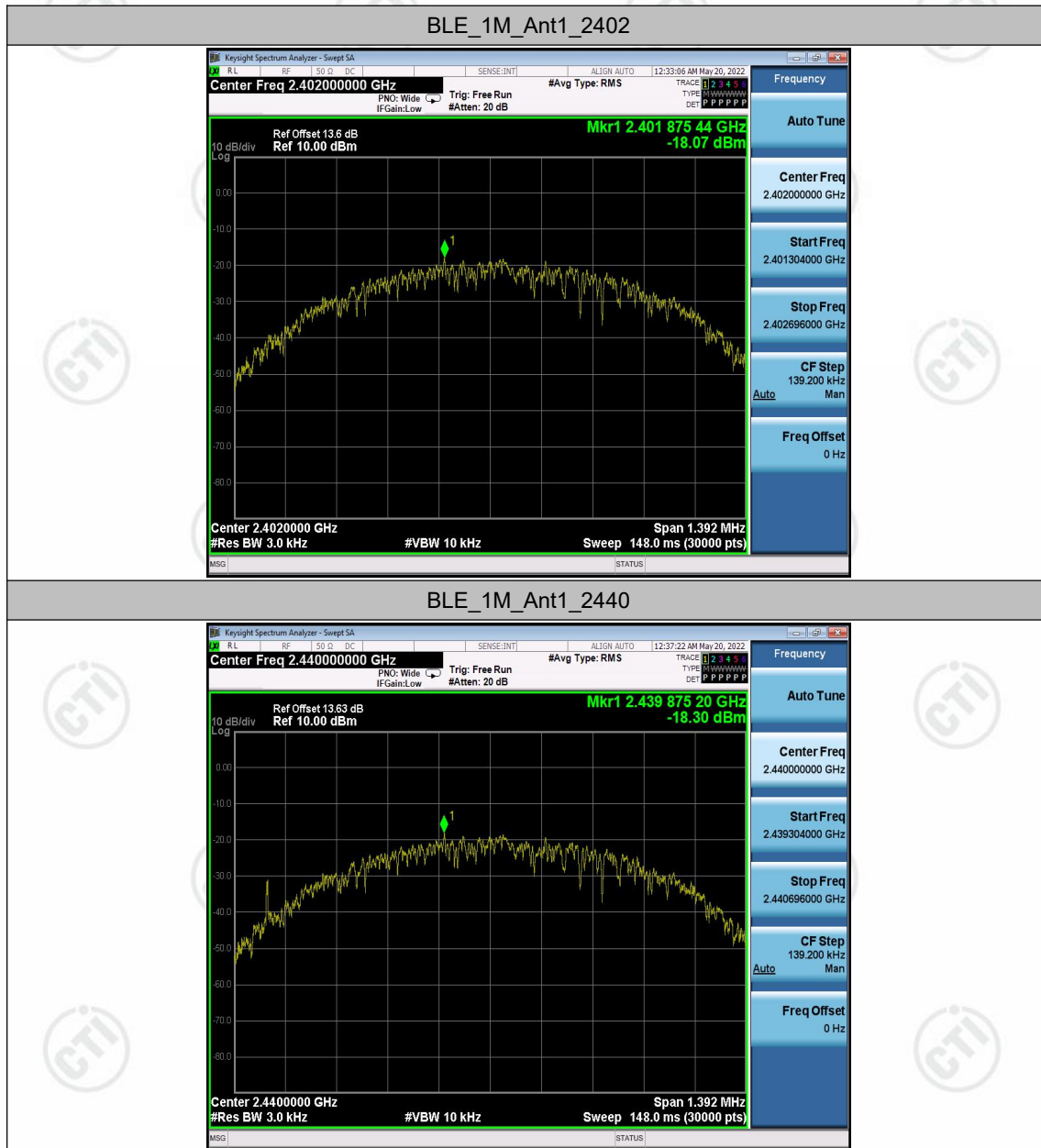


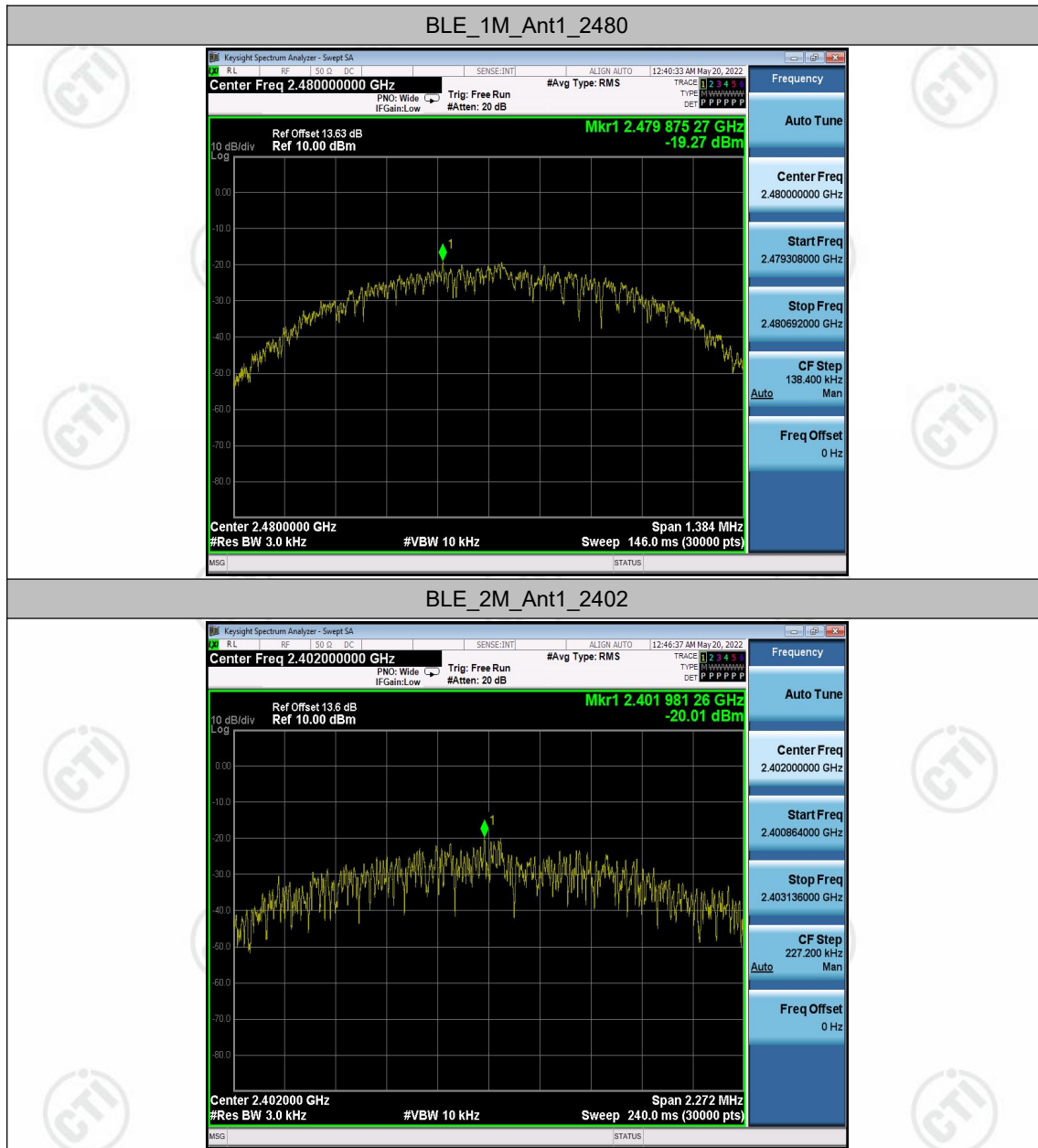
Appendix D: Maximum power spectral density

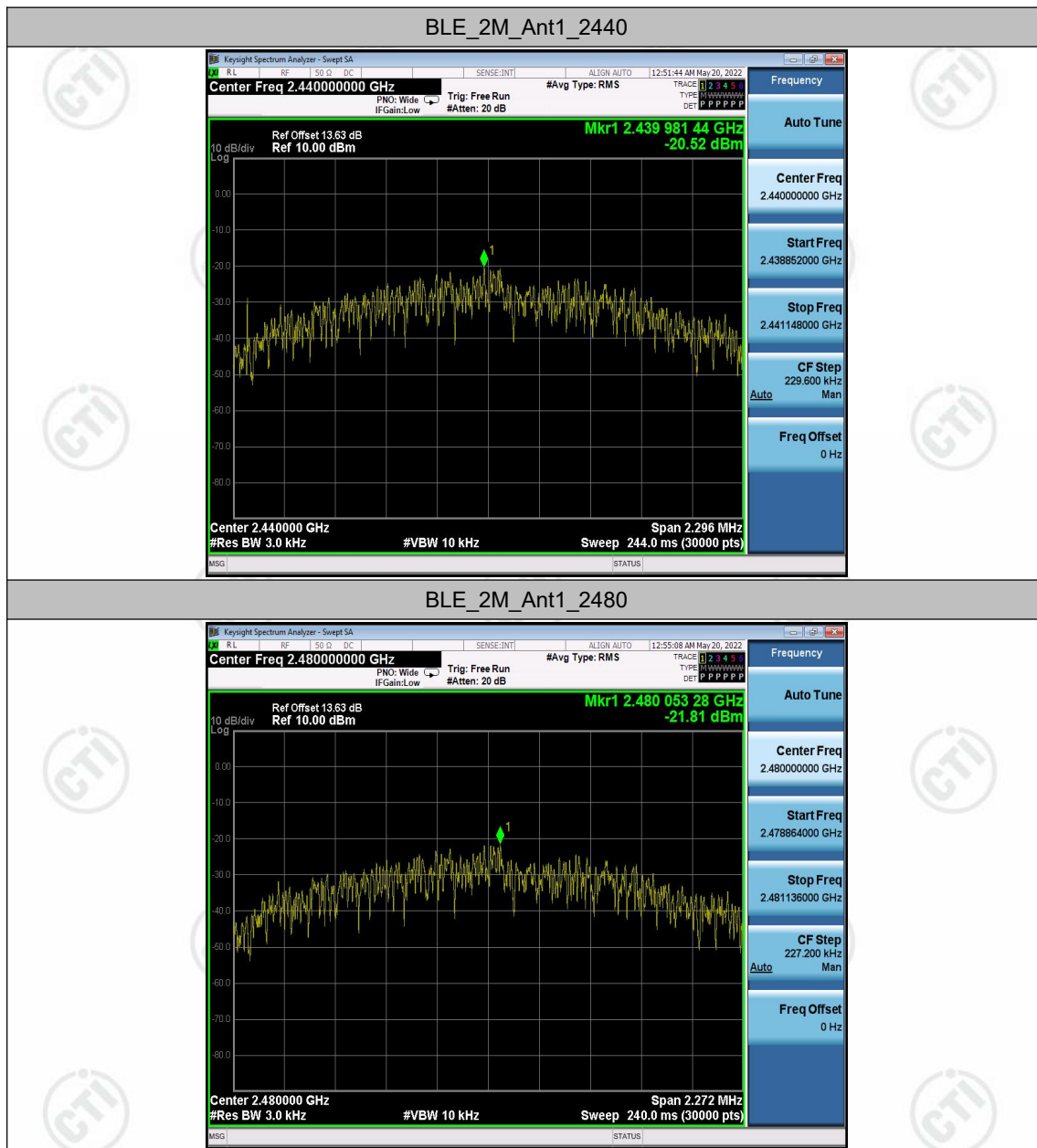
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.07	≤8.00	PASS
		2440	-18.30	≤8.00	PASS
		2480	-19.27	≤8.00	PASS
BLE_2M	Ant1	2402	-20.01	≤8.00	PASS
		2440	-20.52	≤8.00	PASS
		2480	-21.81	≤8.00	PASS

Test Graphs





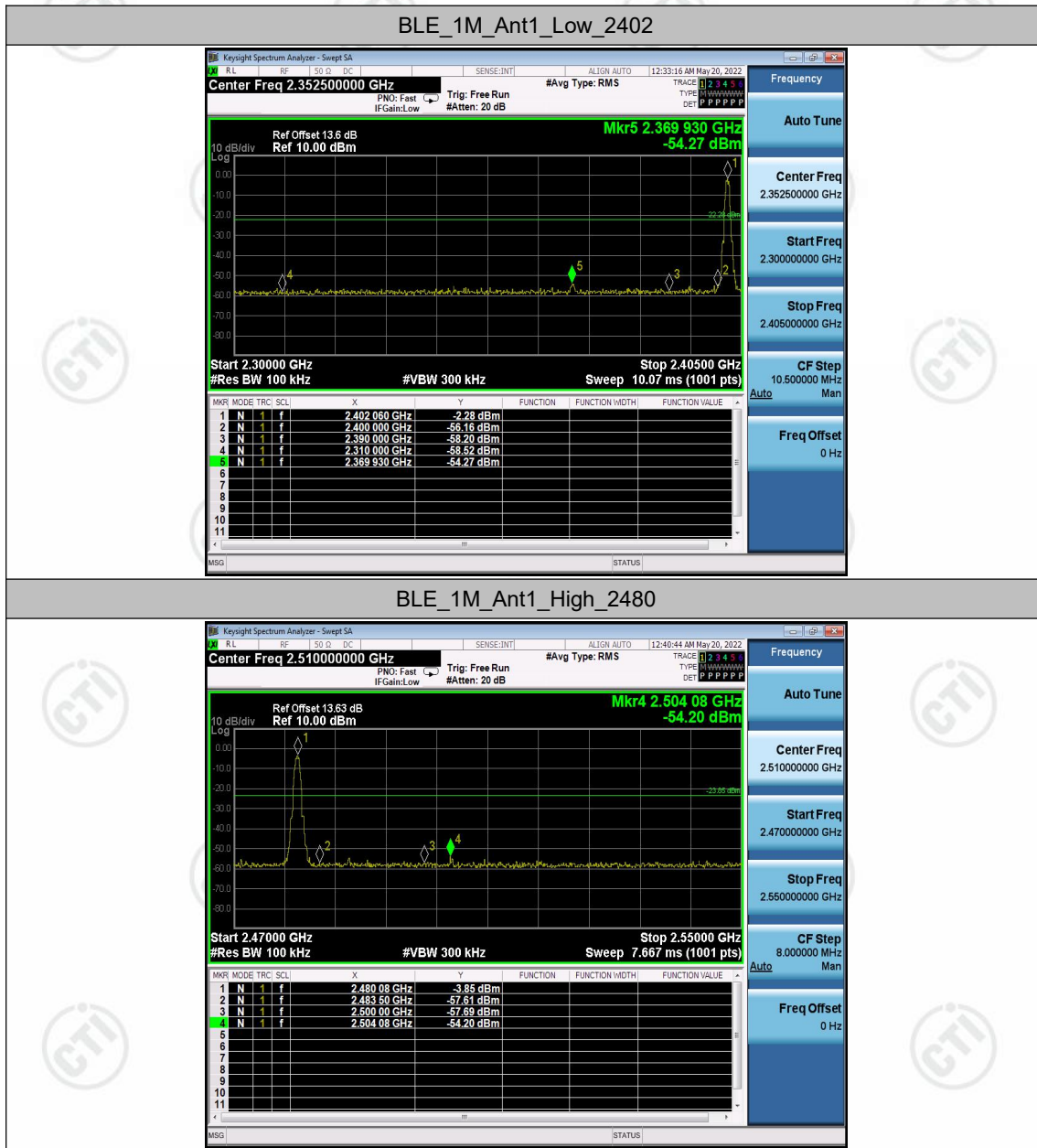


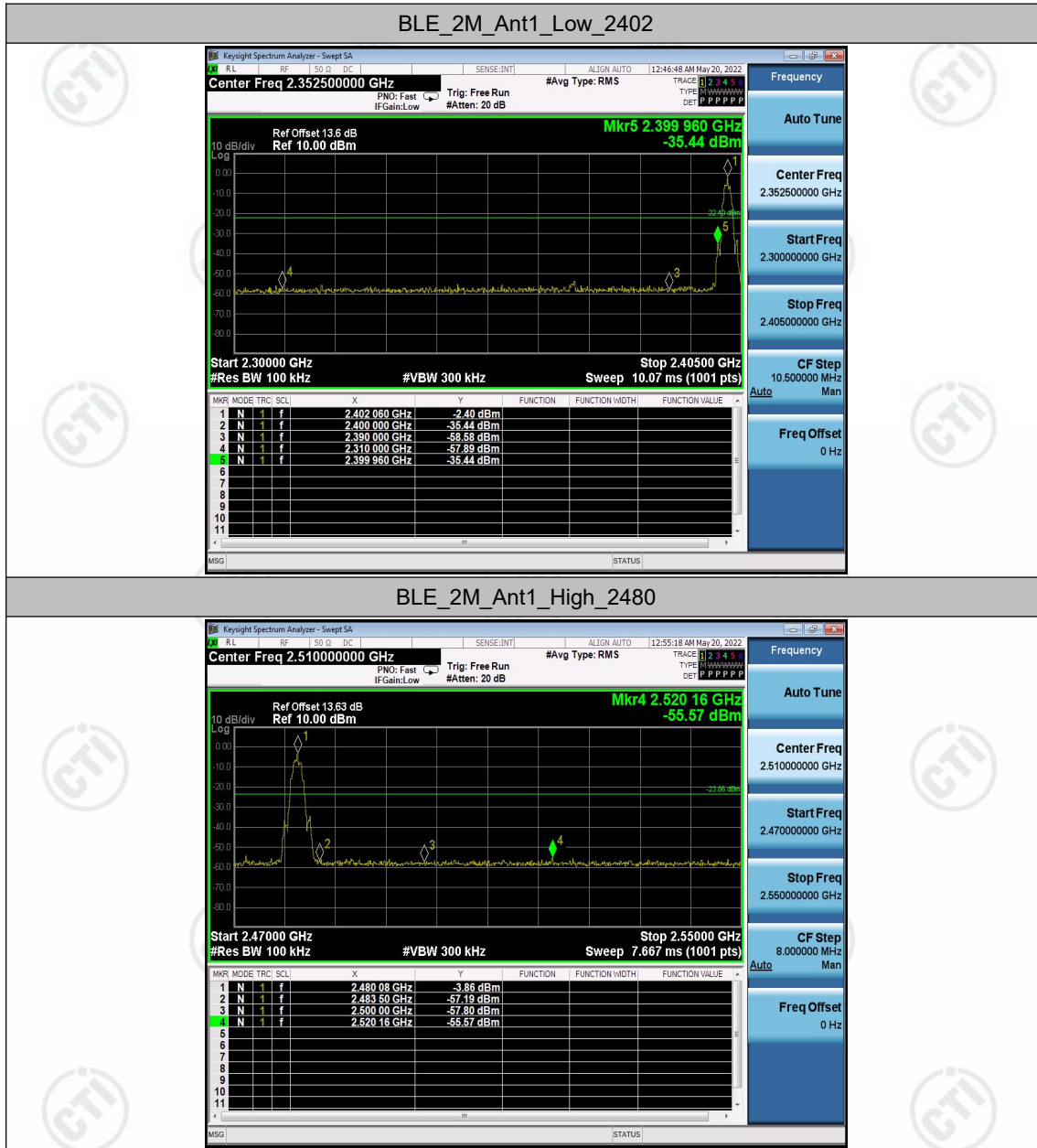
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.28	-54.27	≤-22.28	PASS
		High	2480	-3.85	-54.2	≤-23.85	PASS
BLE_2M	Ant1	Low	2402	-2.40	-35.44	≤-22.4	PASS
		High	2480	-3.86	-55.57	≤-23.86	PASS

Test Graphs





Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.53	-2.53	---	PASS
			30~1000	---	-57	≤-22.53	PASS
			1000~26500	---	-49.1	≤-22.53	PASS
		2440	Reference	-2.83	-2.83	---	PASS
			30~1000	---	-56.3	≤-22.83	PASS
			1000~26500	---	-48.13	≤-22.83	PASS
		2480	Reference	-4.02	-4.02	---	PASS
			30~1000	---	-56.6	≤-24.02	PASS
			1000~26500	---	-42.44	≤-24.02	PASS
BLE_2M	Ant1	2402	Reference	-2.73	-2.73	---	PASS
			30~1000	---	-56.43	≤-22.73	PASS
			1000~26500	---	-49.49	≤-22.73	PASS
		2440	Reference	-3.01	-3.01	---	PASS
			30~1000	---	-56.67	≤-23.01	PASS
			1000~26500	---	-45.51	≤-23.01	PASS
		2480	Reference	-4.20	-4.20	---	PASS
			30~1000	---	-48.62	≤-24.2	PASS
			1000~26500	---	-42.91	≤-24.2	PASS