

Appendix: Bluetooth LE

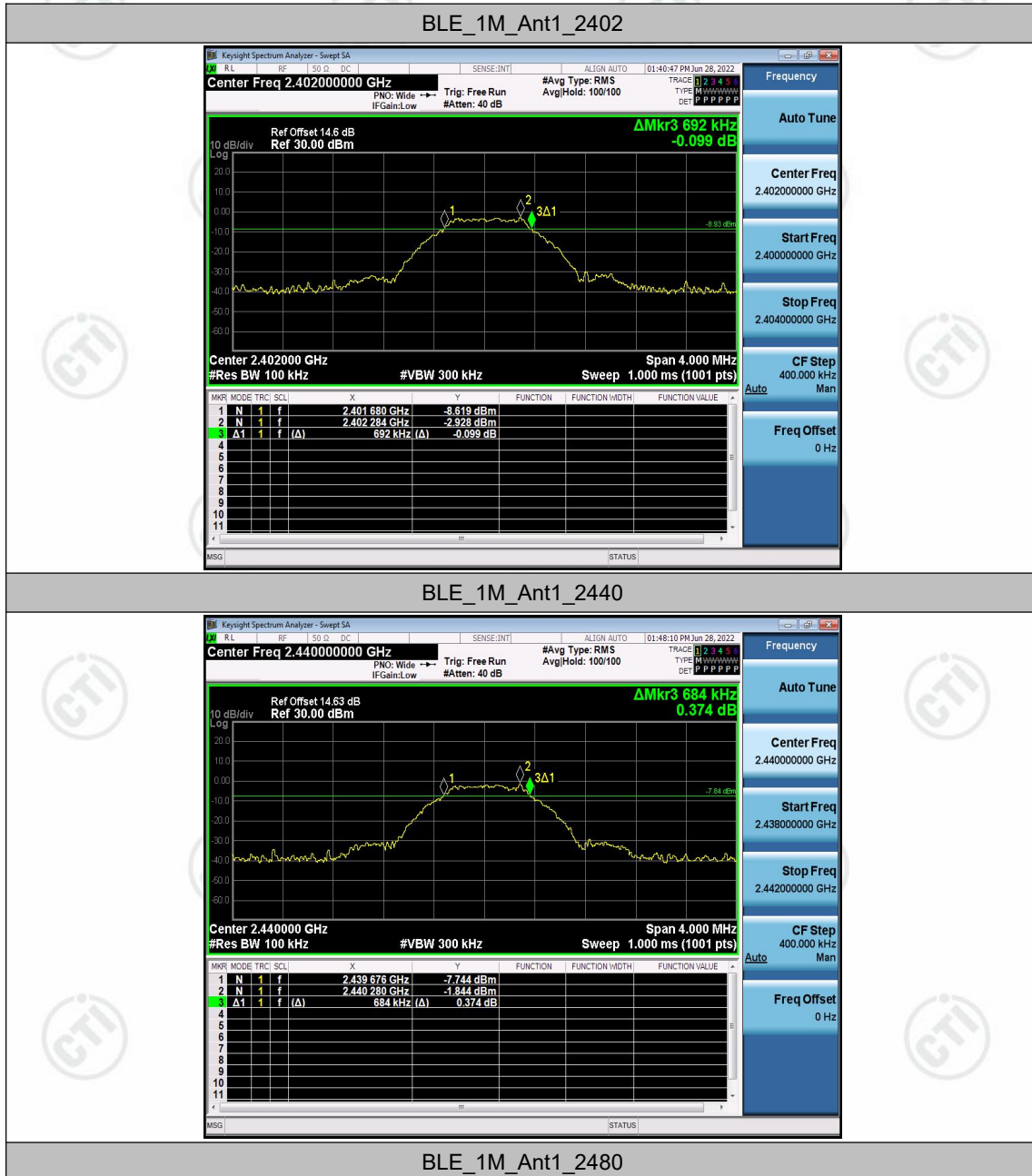
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Appendix A: DTS Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.680	2402.372	0.5	PASS
		2440	0.684	2439.676	2440.360	0.5	PASS
		2480	0.644	2479.700	2480.344	0.5	PASS
BLE_2M	Ant1	2402	1.144	2401.460	2402.604	0.5	PASS
		2440	1.112	2439.472	2440.584	0.5	PASS
		2480	1.164	2479.452	2480.616	0.5	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



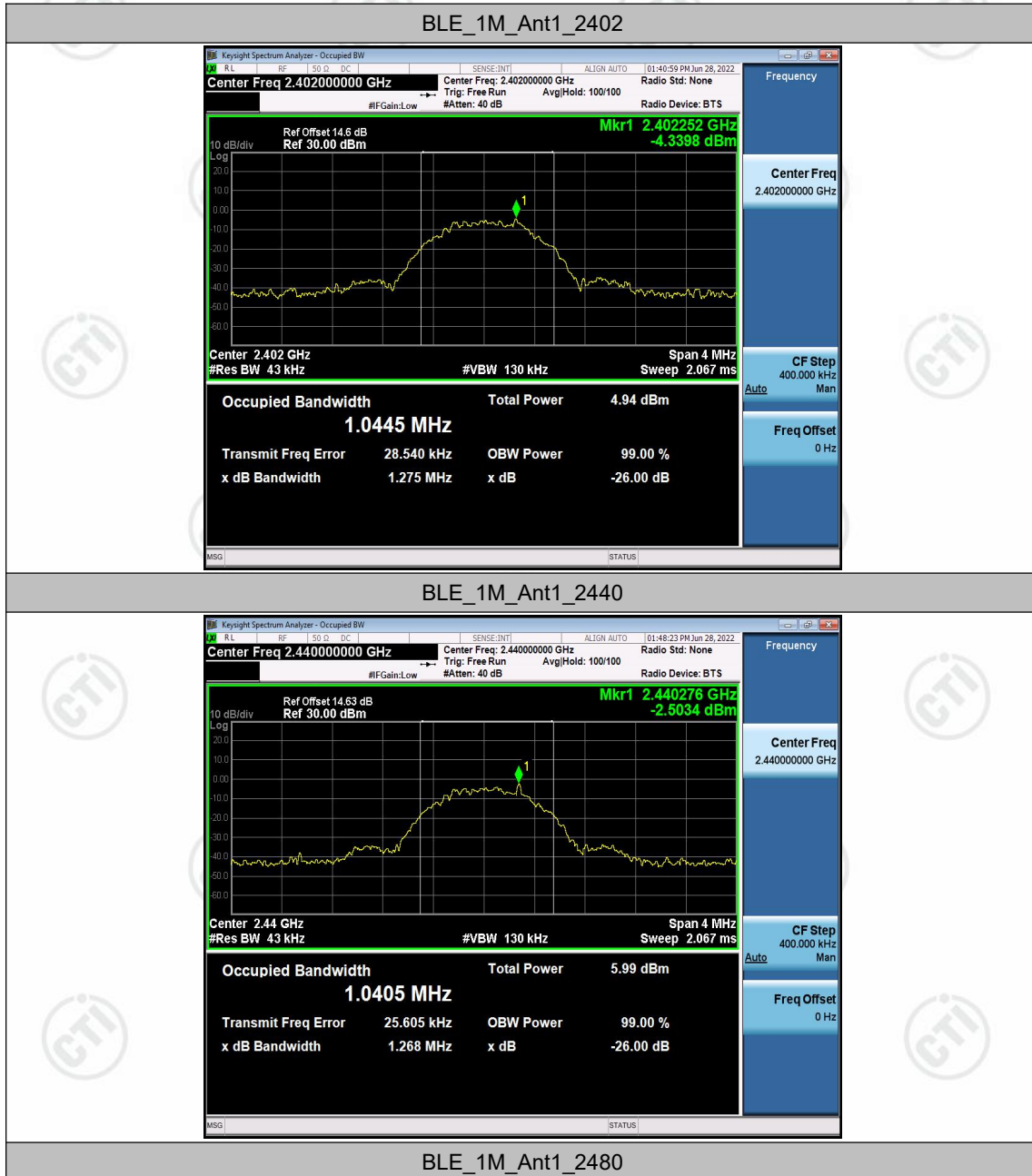
BLE_2M_Ant1_2480

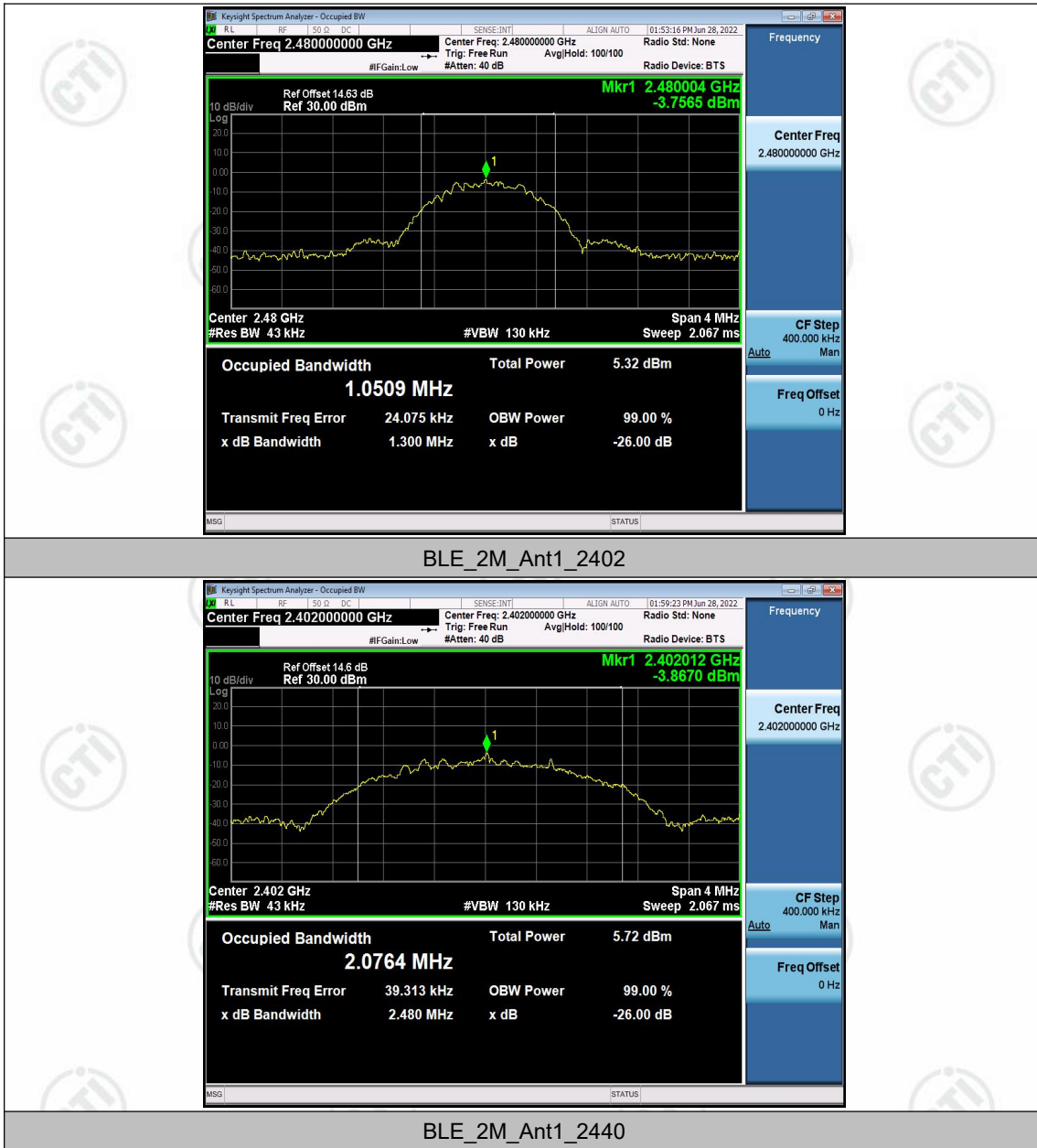


Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0445	2401.506	2402.551	---	---
		2440	1.0405	2439.505	2440.546	---	---
		2480	1.0509	2479.499	2480.550	---	---
BLE_2M	Ant1	2402	2.0764	2401.001	2403.078	---	---
		2440	2.0913	2438.993	2441.084	---	---
		2480	2.0808	2478.994	2481.075	---	---

Test Graphs







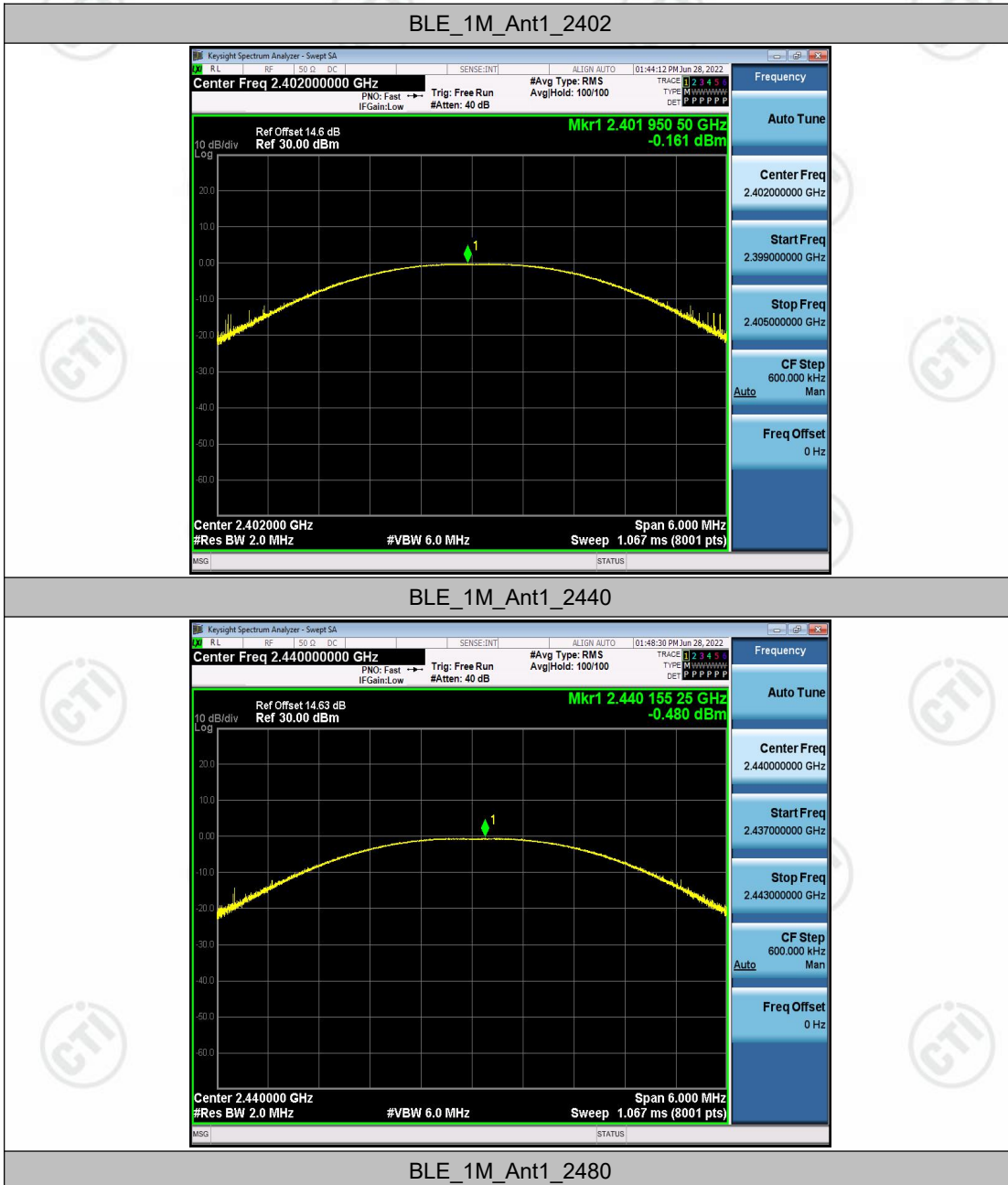
BLE_2M_Ant1_2480



Appendix C: Maximum conducted output power**Test Result Peak**

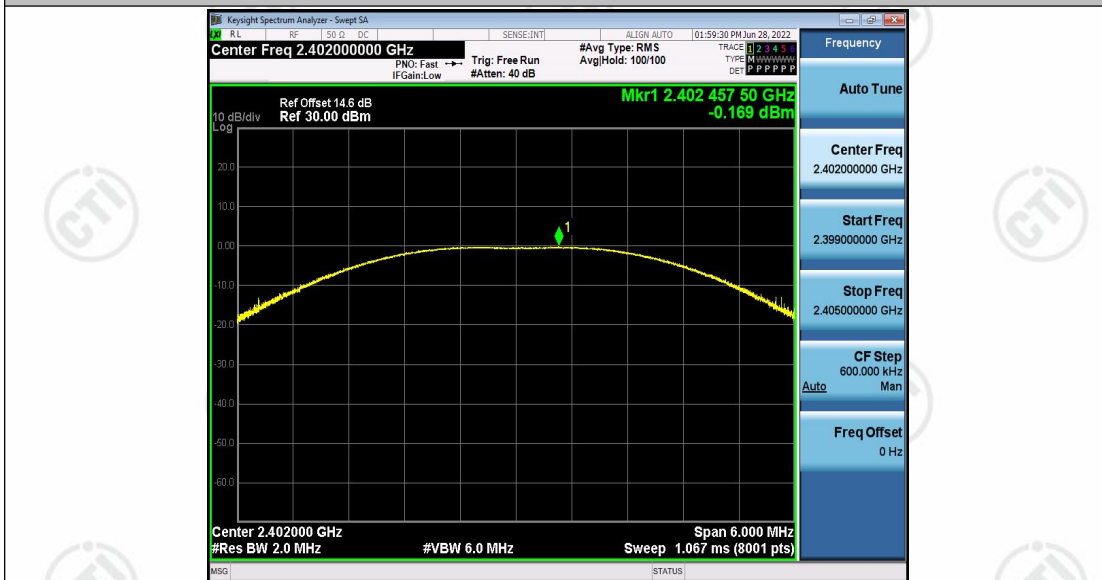
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.16	≤30	PASS
		2440	-0.48	≤30	PASS
		2480	-0.98	≤30	PASS
BLE_2M	Ant1	2402	-0.17	≤30	PASS
		2440	-0.44	≤30	PASS
		2480	-1.09	≤30	PASS

Test Graphs Peak

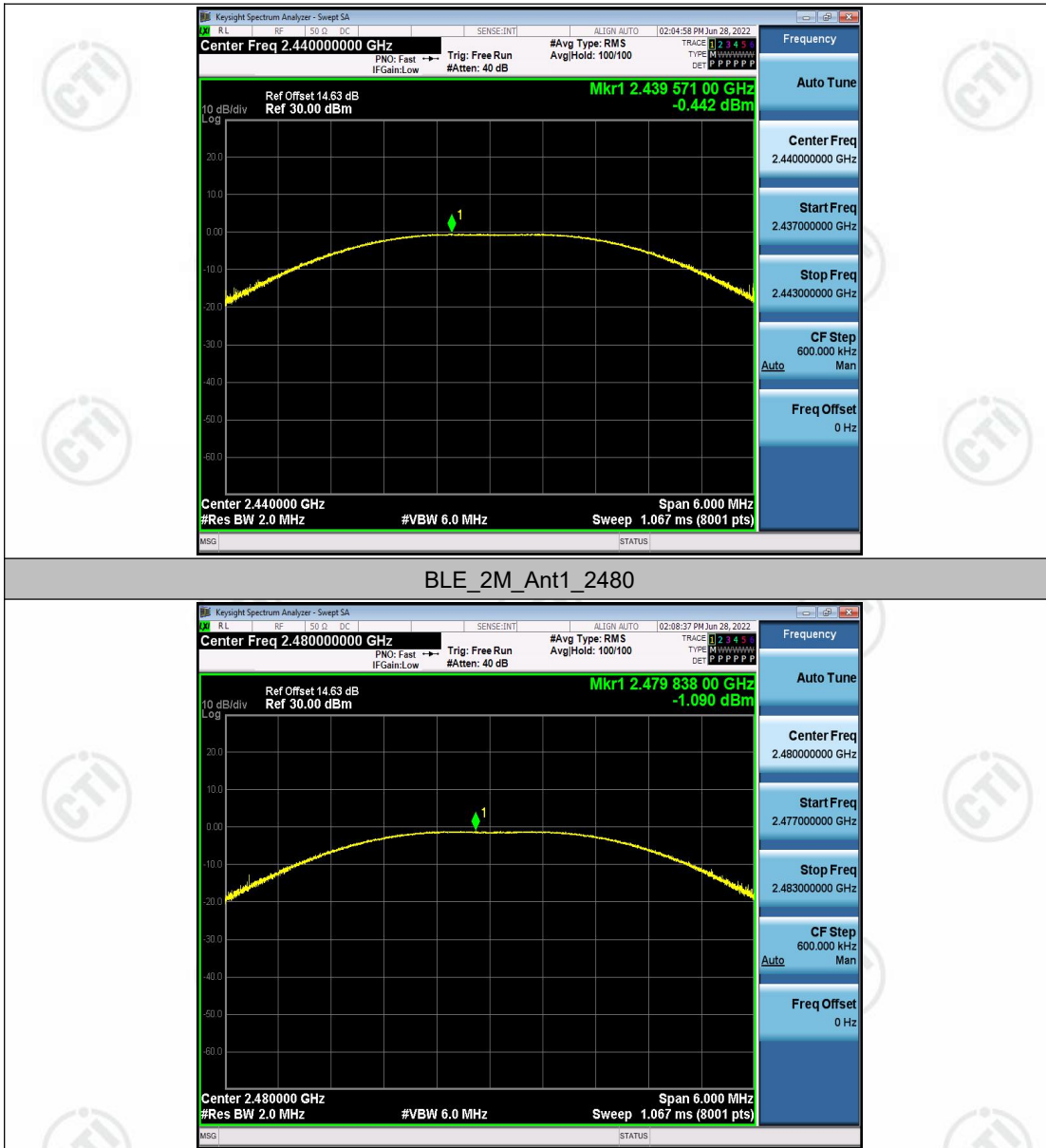




BLE_2M_Ant1_2402



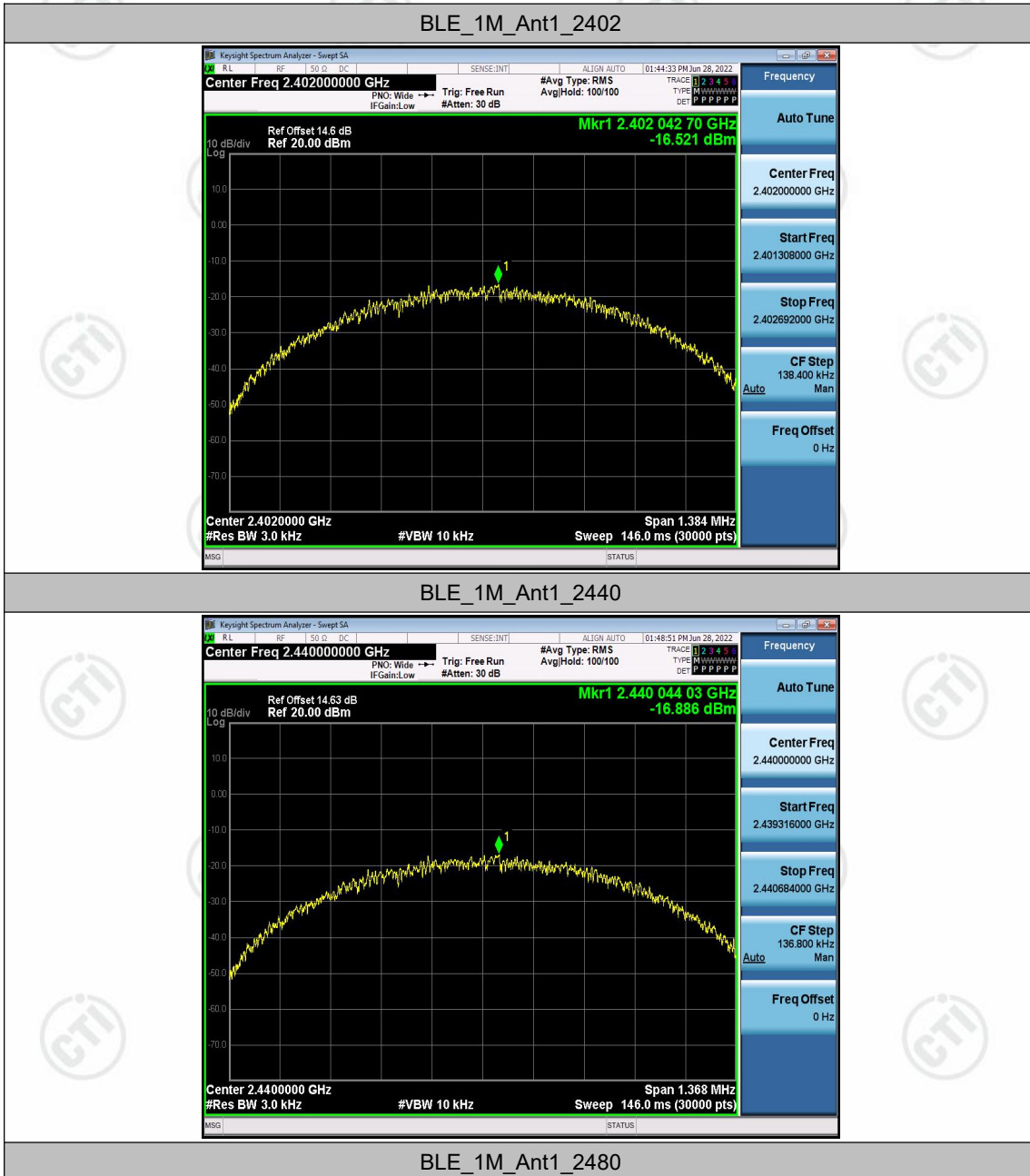
BLE_2M_Ant1_2440



Appendix D: Maximum power spectral density**Test Result**

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.52	≤8.00	PASS
		2440	-16.89	≤8.00	PASS
		2480	-17.58	≤8.00	PASS
BLE_2M	Ant1	2402	-19.23	≤8.00	PASS
		2440	-19.44	≤8.00	PASS
		2480	-20.28	≤8.00	PASS

Test Graphs





BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



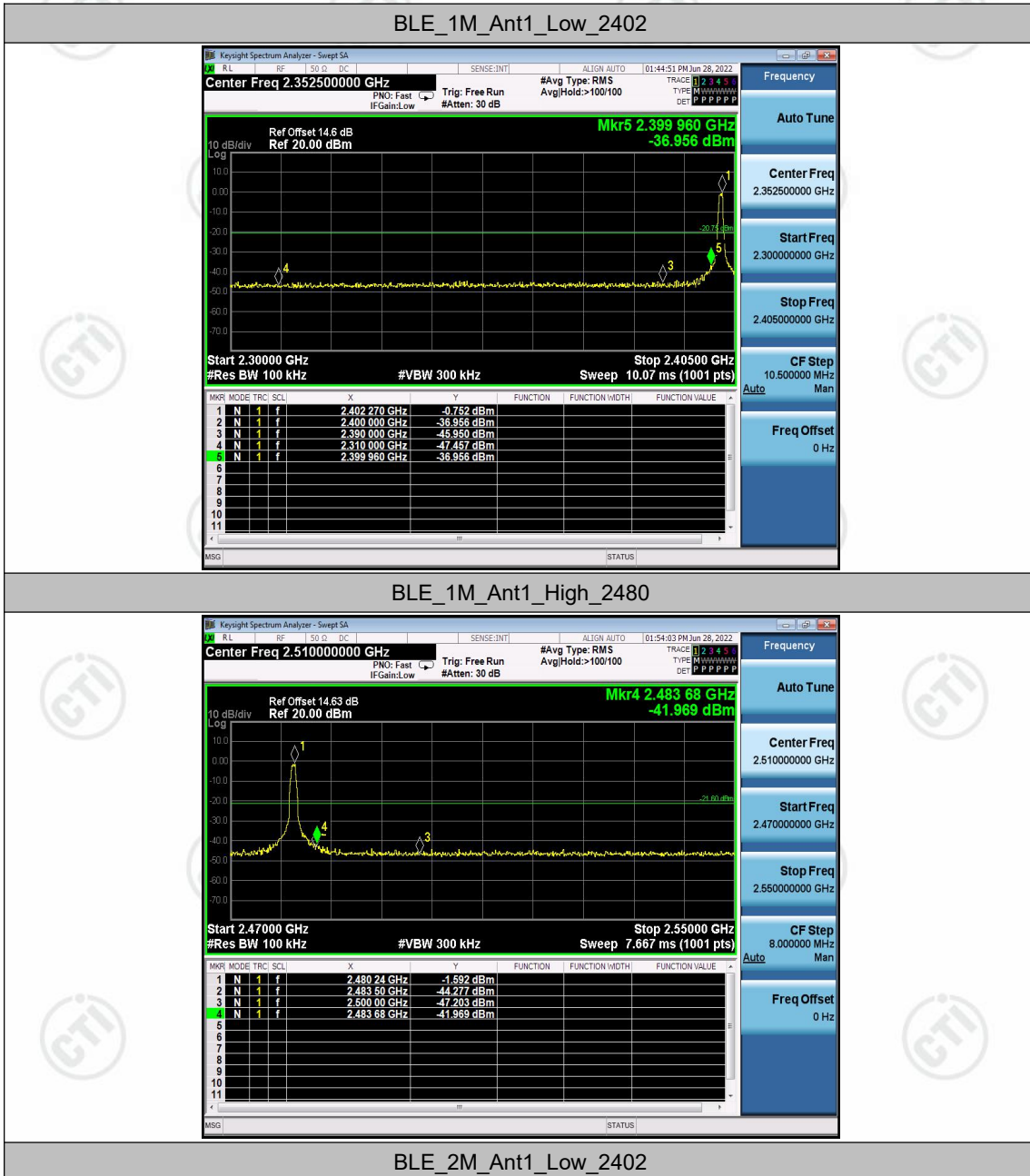
BLE_2M_Ant1_2480



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	-0.75	-36.96	≤-20.75	PASS
		High	2480	-1.60	-41.97	≤-21.6	PASS
BLE_2M	Ant1	Low	2402	-1.26	-35.21	≤-21.26	PASS
		High	2480	-2.39	-42.95	≤-22.39	PASS

Test Graphs



BLE_2M_Ant1_Low_2402