

Appendix: Bluetooth LE

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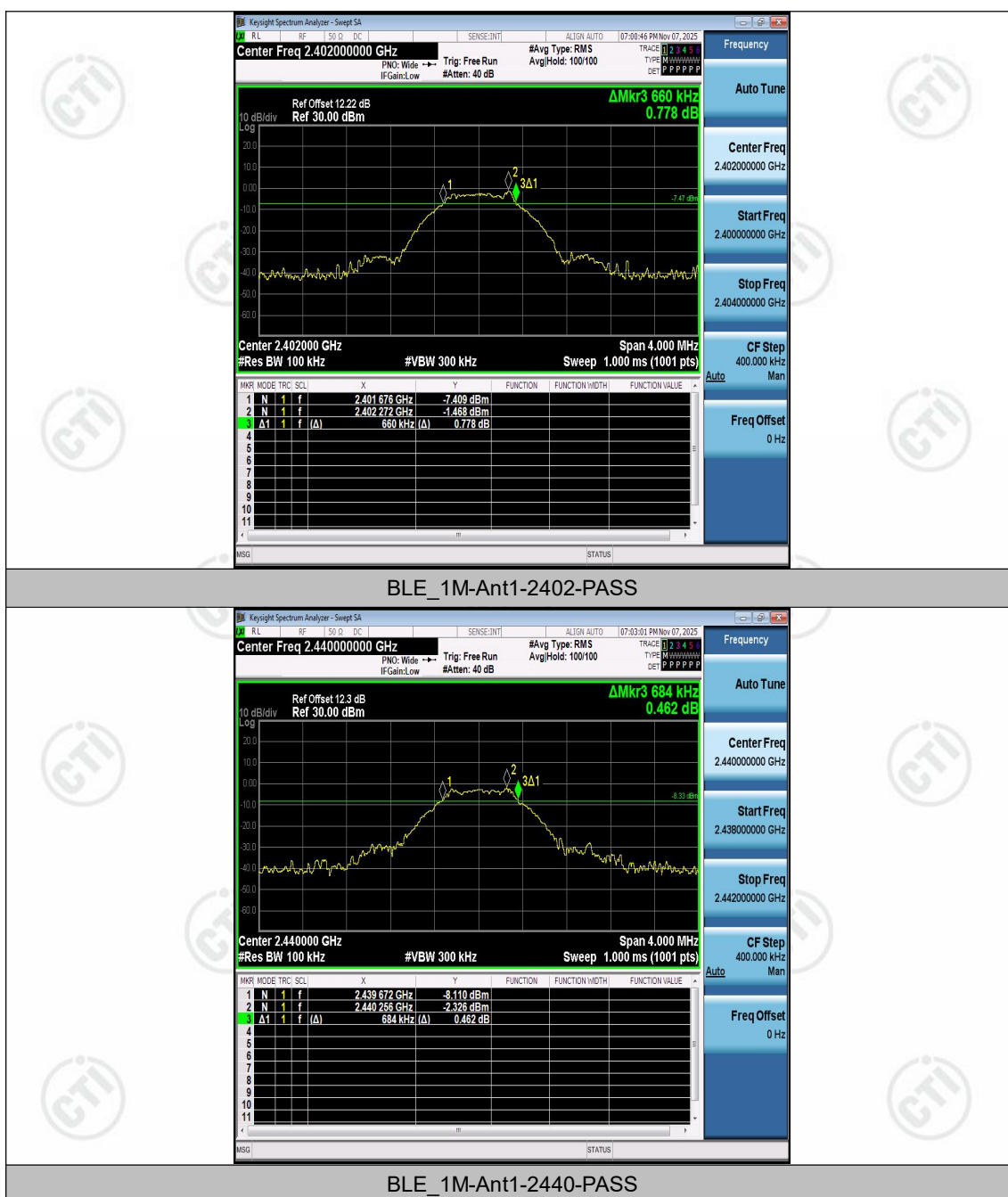
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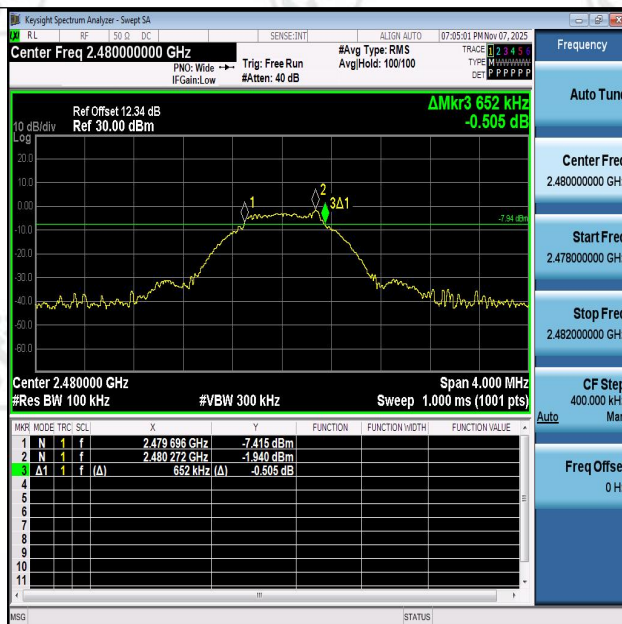
Appendix A: DTS Bandwidth

Test Result

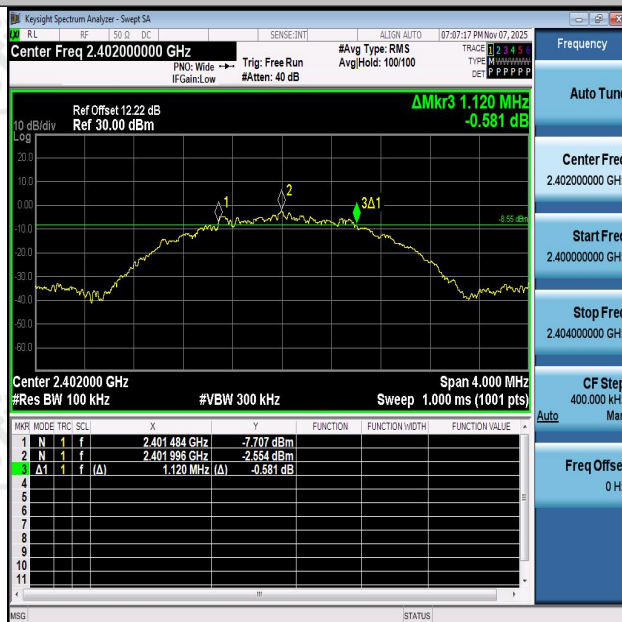
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.676	2402.336	0.5	PASS
BLE_1M	Ant1	2440	0.684	2439.672	2440.356	0.5	PASS
BLE_1M	Ant1	2480	0.652	2479.696	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.120	2401.484	2402.604	0.5	PASS
BLE_2M	Ant1	2440	1.200	2439.376	2440.576	0.5	PASS
BLE_2M	Ant1	2480	1.144	2479.456	2480.600	0.5	PASS

Test Graphs





BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



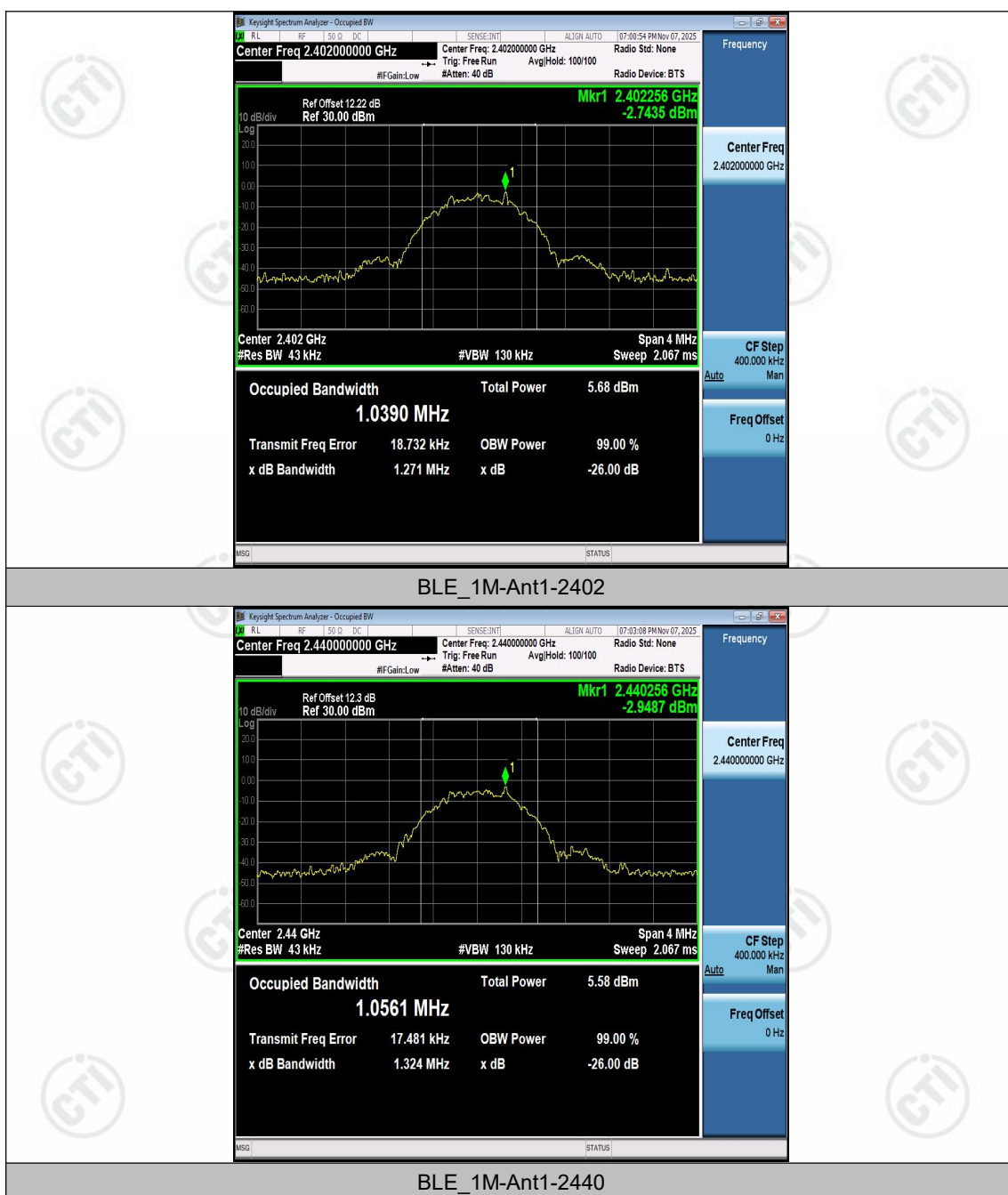
BLE_2M-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0390	2401.4992	2402.538 2	---	---
BLE_1M	Ant1	2440	1.0561	2439.4894	2440.545 5	---	---
BLE_1M	Ant1	2480	1.0638	2479.4866	2480.550 4	---	---
BLE_2M	Ant1	2402	2.0708	2400.9985	2403.069 3	---	---
BLE_2M	Ant1	2440	2.0858	2438.9868	2441.072 6	---	---
BLE_2M	Ant1	2480	2.0962	2478.9805	2481.076 7	---	---

Test Graphs





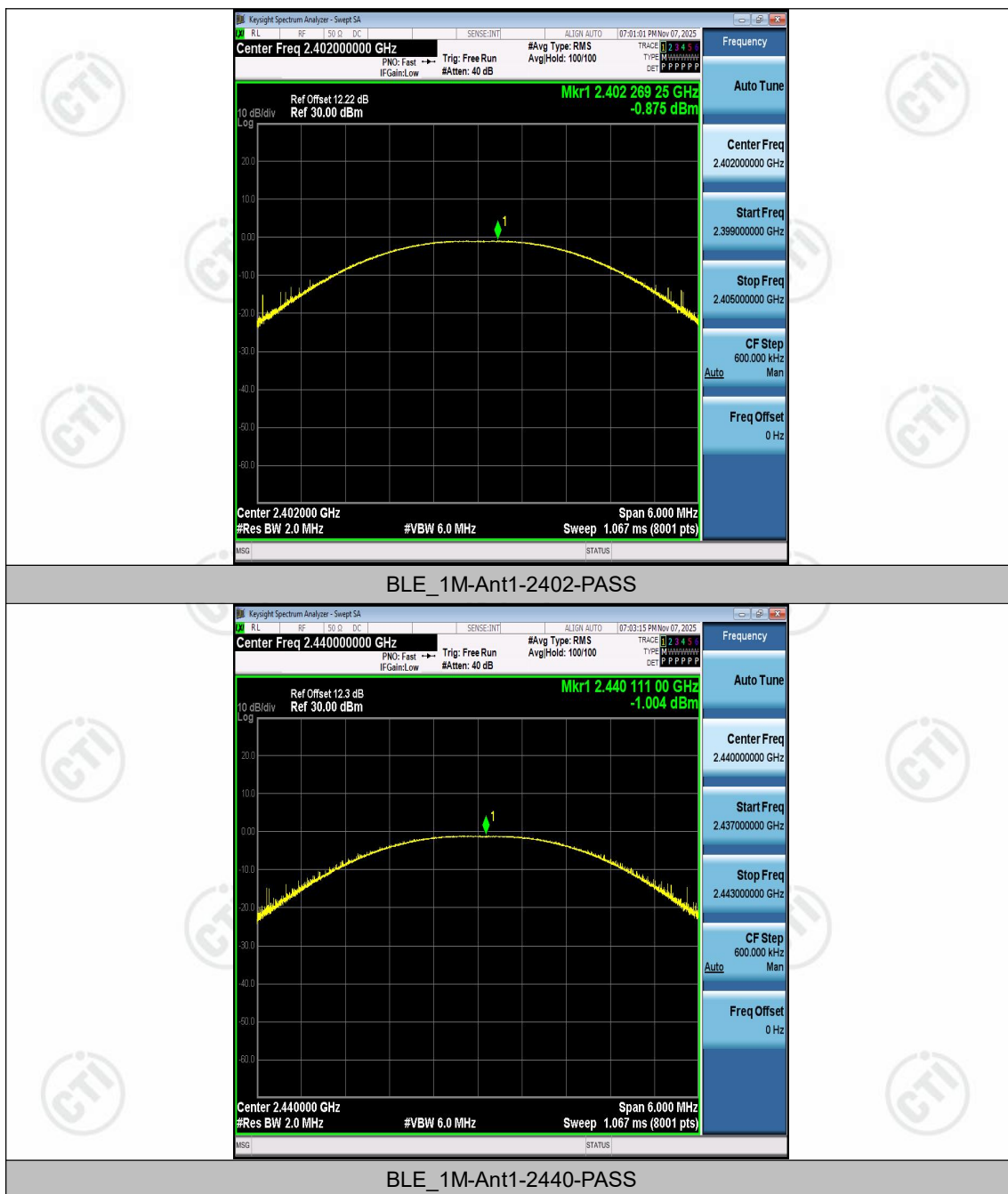


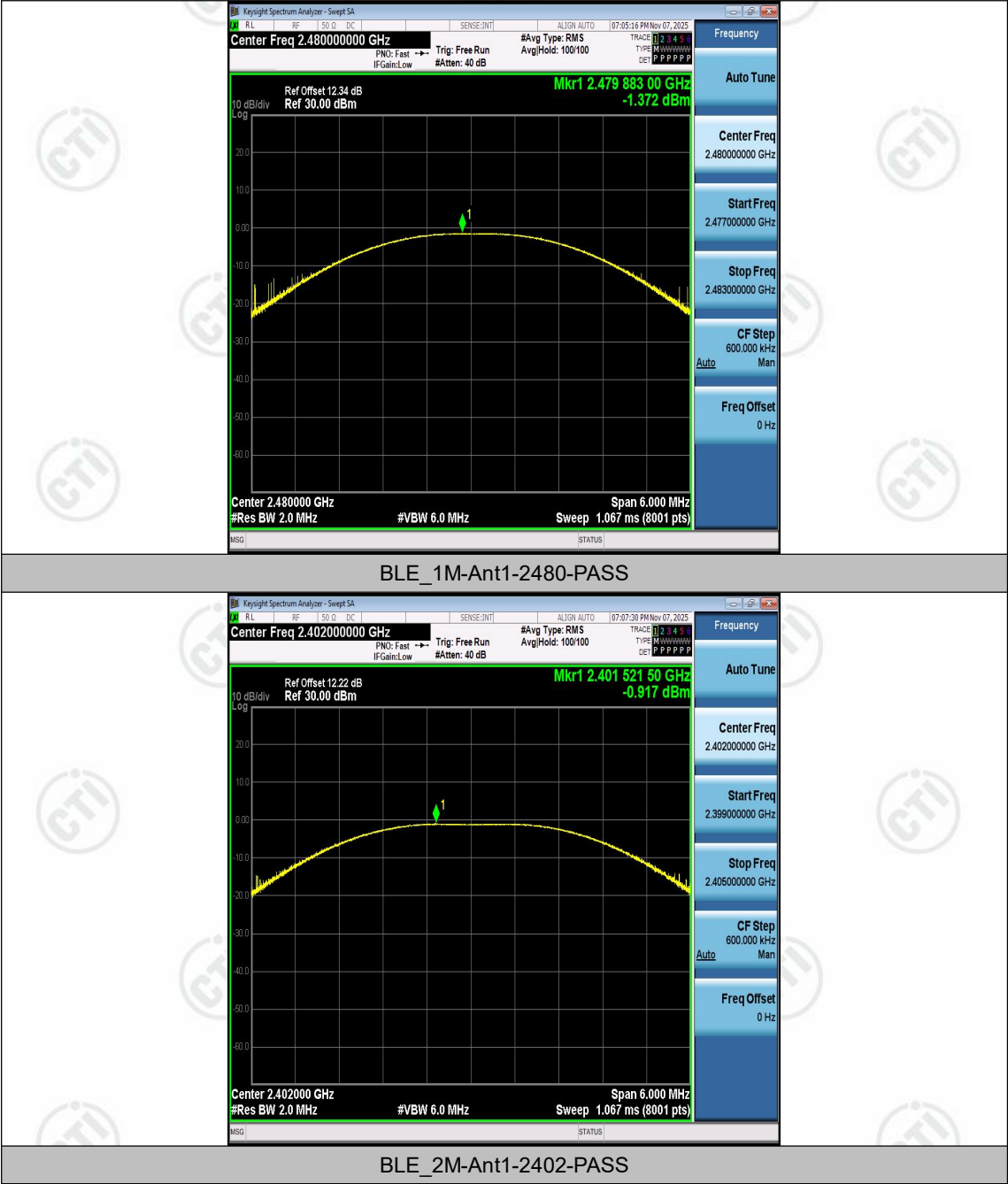
Appendix C: Maximum conducted output power

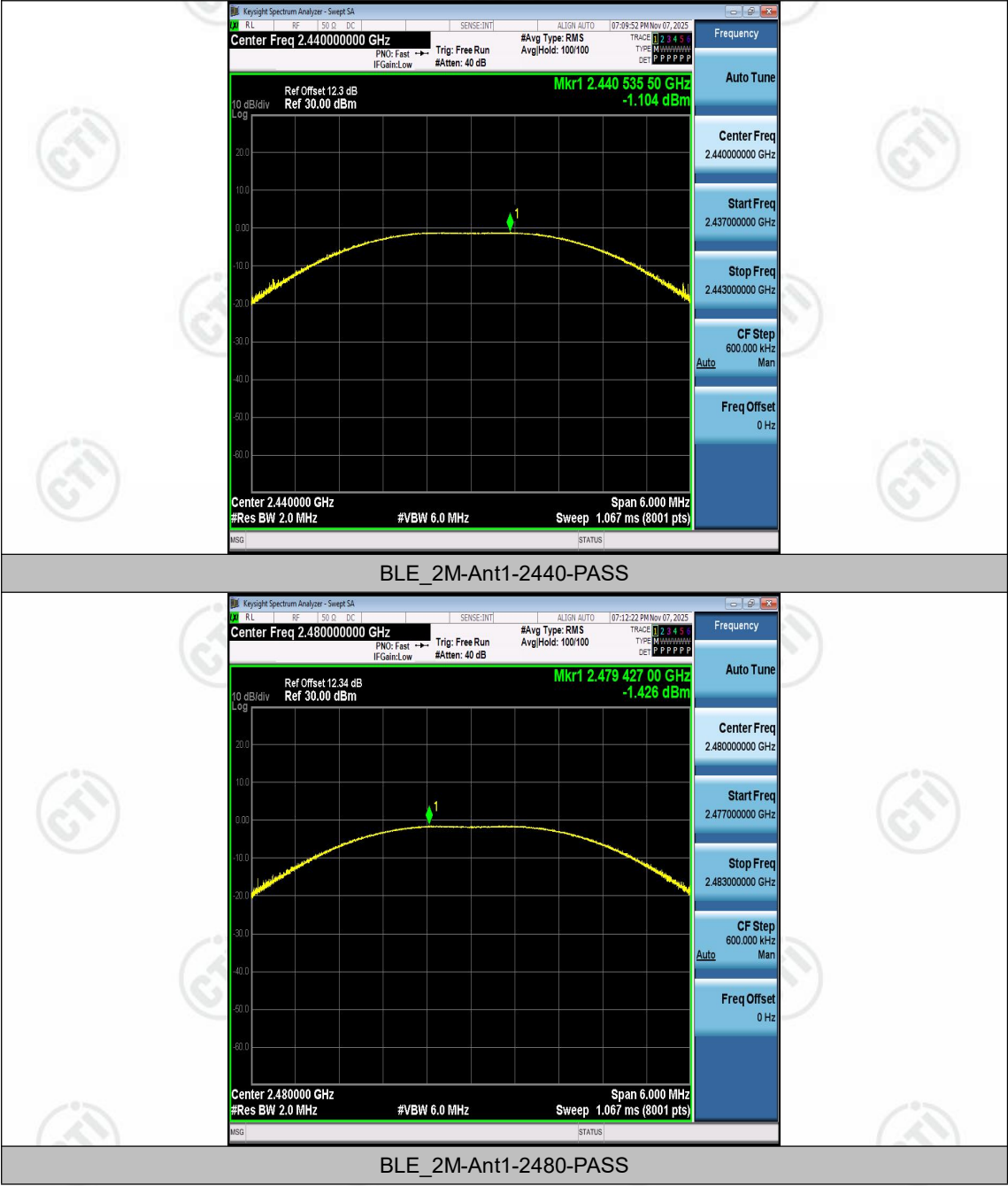
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.88	≤30	PASS
BLE_1M	Ant1	2440	-1.00	≤30	PASS
BLE_1M	Ant1	2480	-1.37	≤30	PASS
BLE_2M	Ant1	2402	-0.92	≤30	PASS
BLE_2M	Ant1	2440	-1.10	≤30	PASS
BLE_2M	Ant1	2480	-1.43	≤30	PASS

Test Graphs Peak





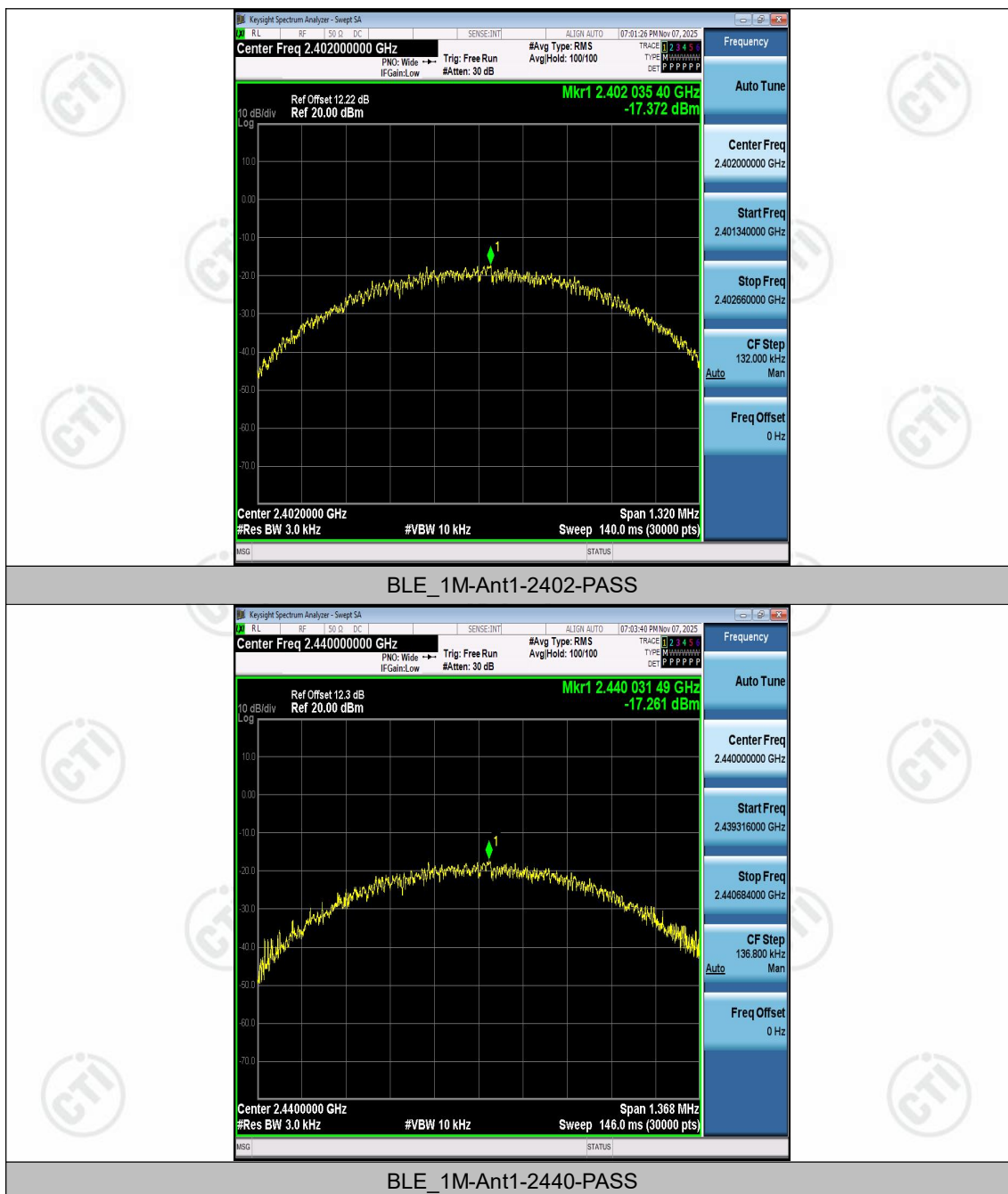


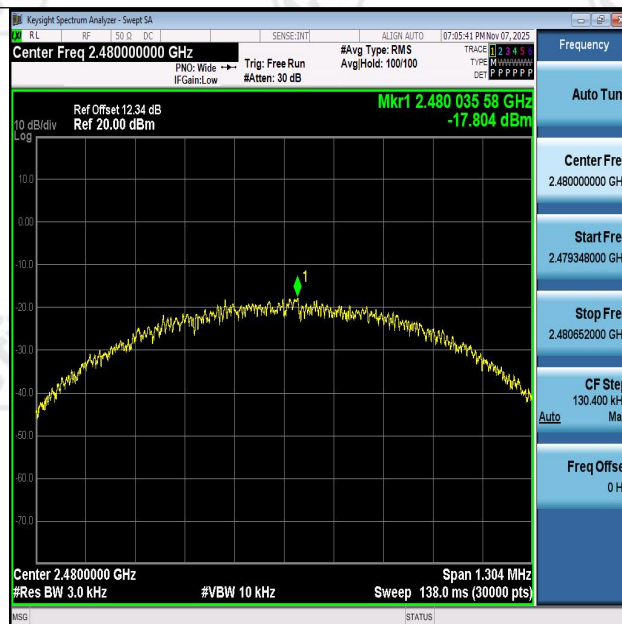
Appendix D: Maximum power spectral density

Test Result

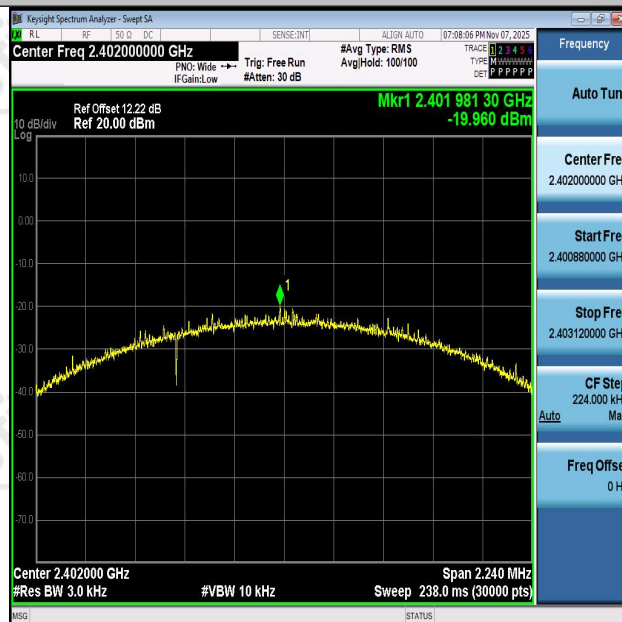
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.37	≤8.00	PASS
BLE_1M	Ant1	2440	-17.26	≤8.00	PASS
BLE_1M	Ant1	2480	-17.80	≤8.00	PASS
BLE_2M	Ant1	2402	-19.96	≤8.00	PASS
BLE_2M	Ant1	2440	-20.10	≤8.00	PASS
BLE_2M	Ant1	2480	-20.70	≤8.00	PASS

Test Graphs

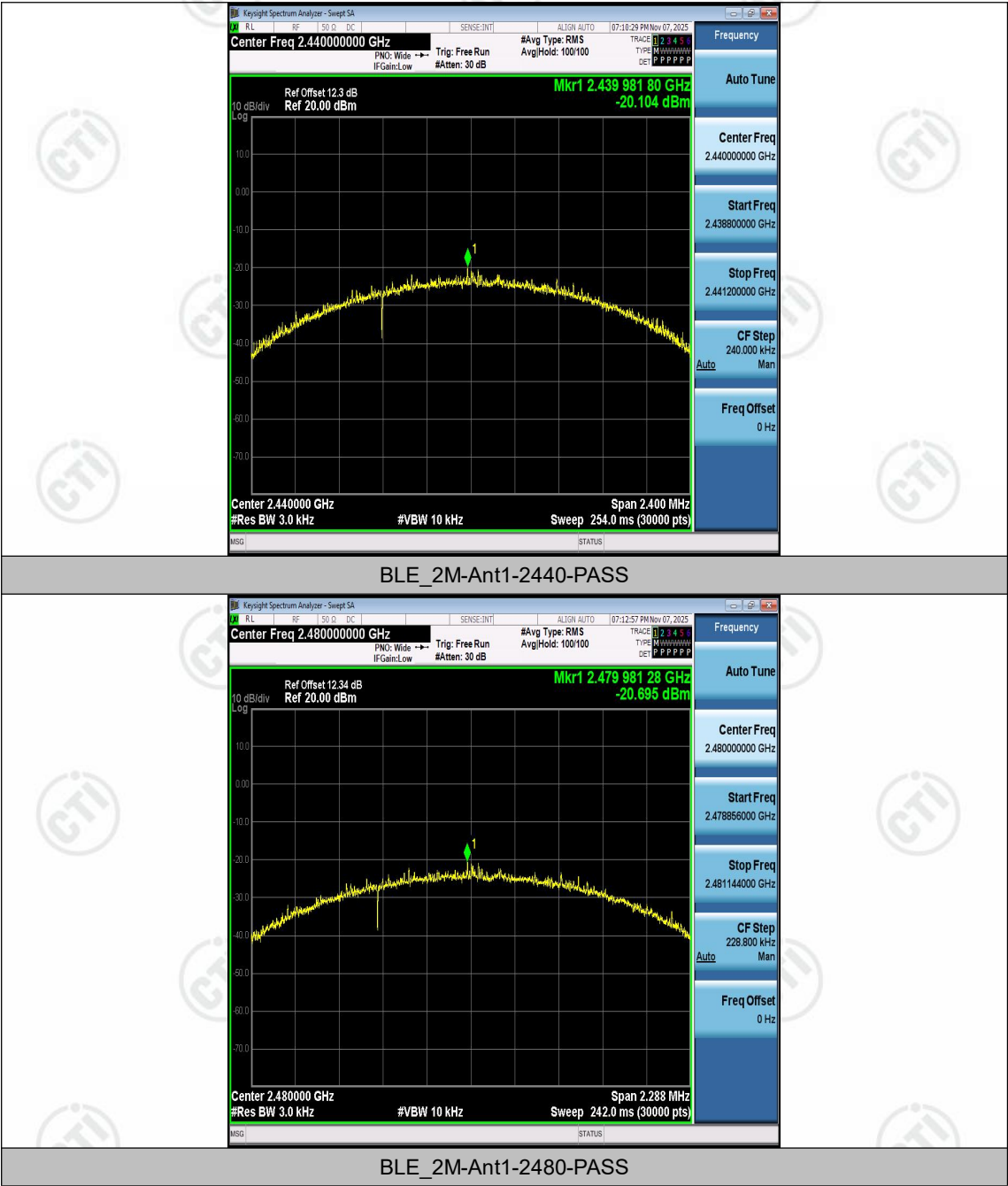




BLE_1M-Ant1-2480-PASS



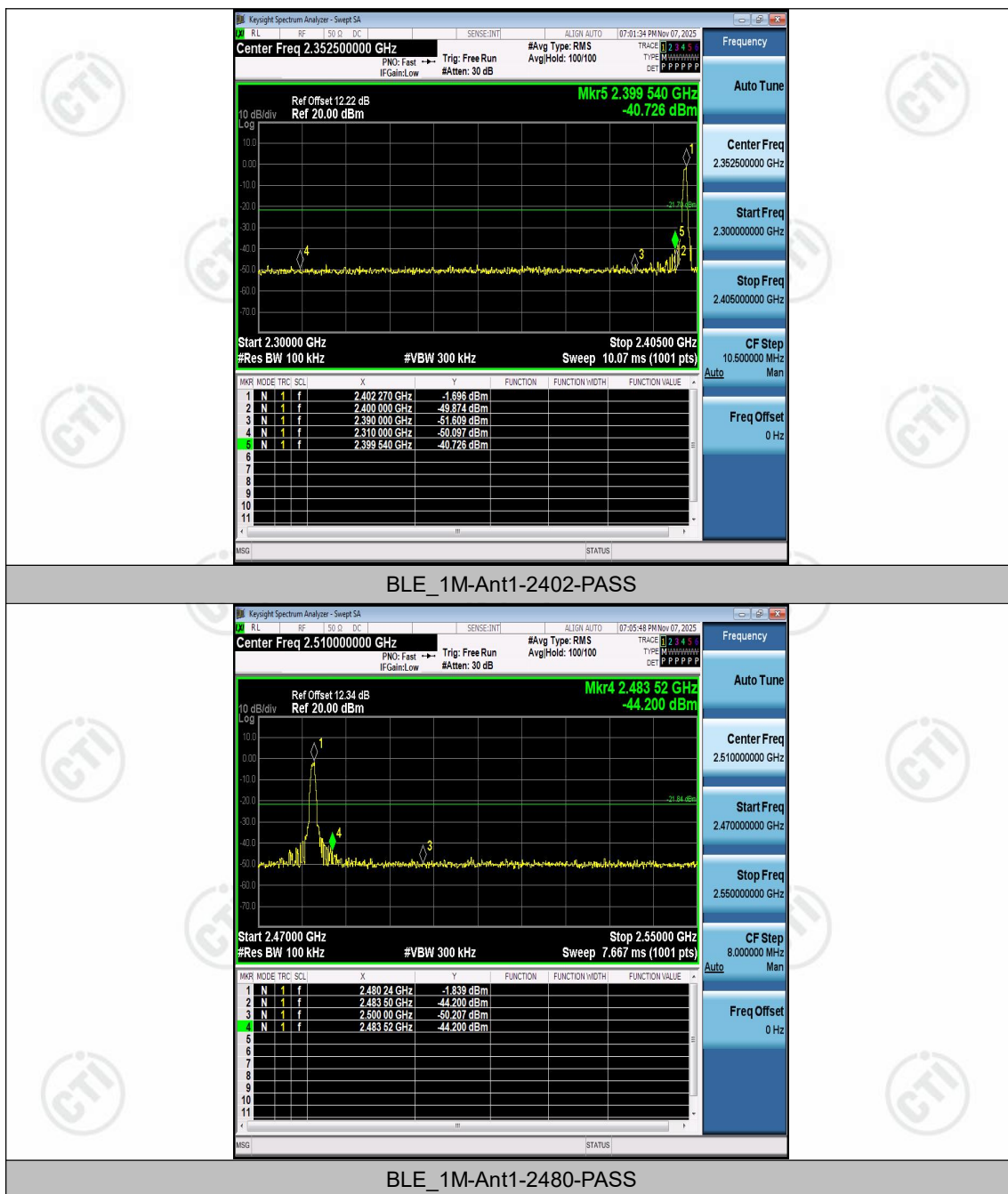
BLE_2M-Ant1-2402-PASS

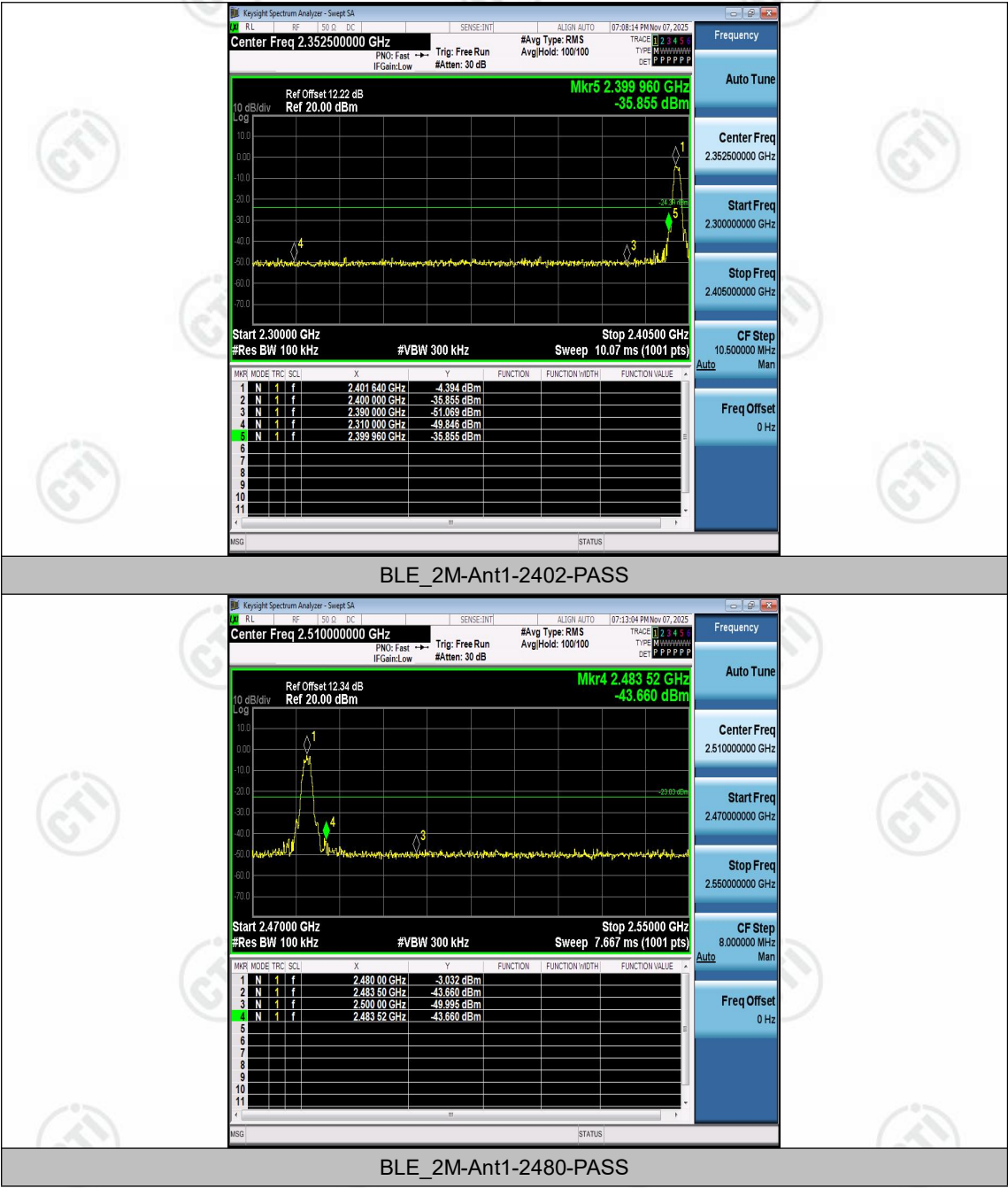


Appendix F: Band edge measurements**Test Result**

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.70	-40.73	≤-21.7	PASS
BLE_1M	Ant1	High	2480	-1.84	-44.2	≤-21.84	PASS
BLE_2M	Ant1	Low	2402	-4.39	-35.86	≤-24.39	PASS
BLE_2M	Ant1	High	2480	-3.03	-43.66	≤-23.03	PASS

Test Graphs



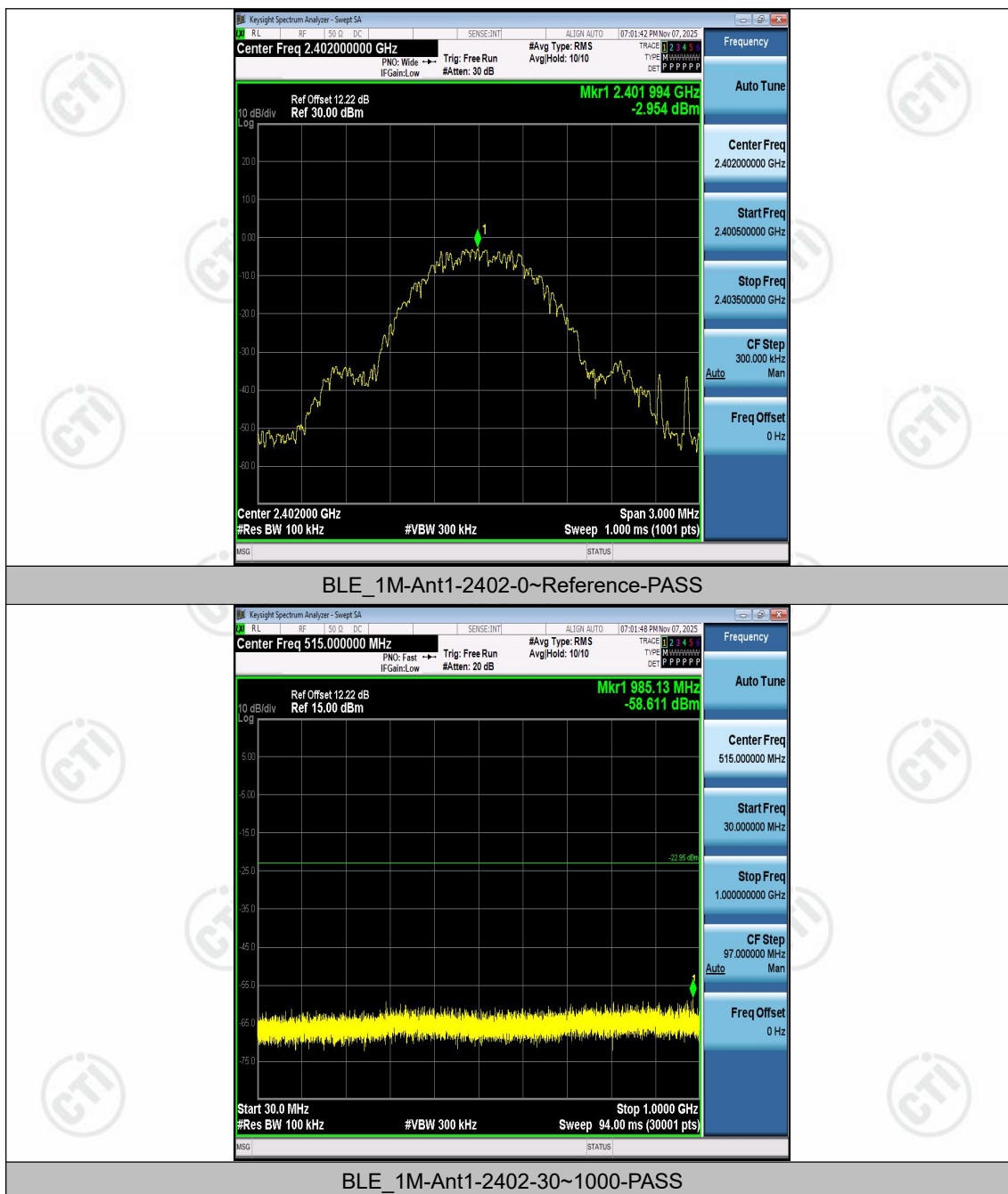


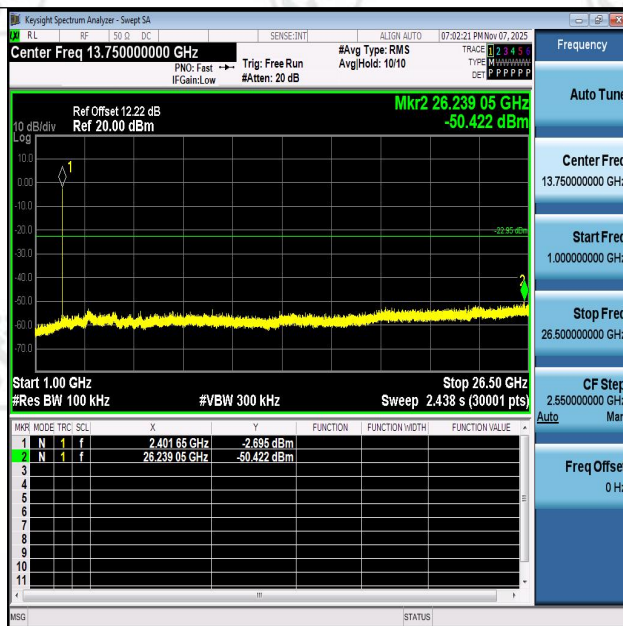
Appendix G: Conducted Spurious Emission

Test Result

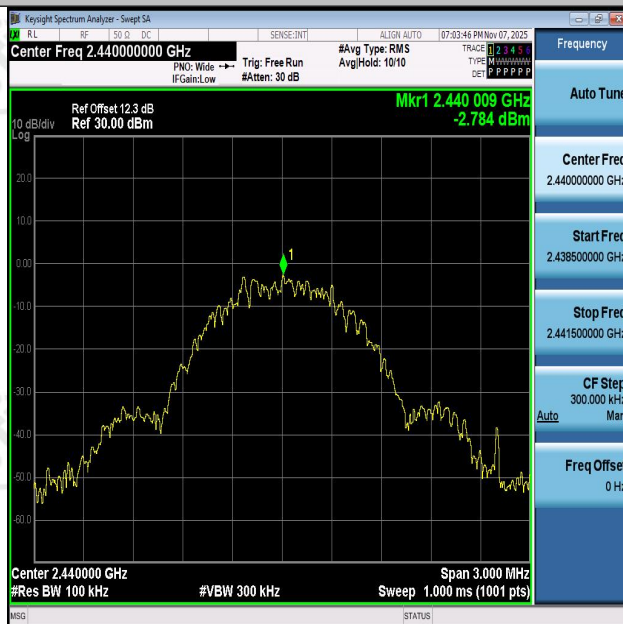
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.95	-2.95	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.95	-58.61	≤-22.95	PASS
BLE_1M	Ant1	2402	1000~26500	-2.95	-50.42	≤-22.95	PASS
BLE_1M	Ant1	2440	0~Reference	-2.78	-2.78	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.78	-58.87	≤-22.78	PASS
BLE_1M	Ant1	2440	1000~26500	-2.78	-51.22	≤-22.78	PASS
BLE_1M	Ant1	2480	0~Reference	-2.83	-2.83	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.83	-59.24	≤-22.83	PASS
BLE_1M	Ant1	2480	1000~26500	-2.83	-50.26	≤-22.83	PASS
BLE_2M	Ant1	2402	0~Reference	-2.48	-2.48	---	PASS
BLE_2M	Ant1	2402	30~1000	-2.48	-59.16	≤-22.48	PASS
BLE_2M	Ant1	2402	1000~26500	-2.48	-50.53	≤-22.48	PASS
BLE_2M	Ant1	2440	0~Reference	-4.15	-4.15	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.15	-59.1	≤-24.15	PASS
BLE_2M	Ant1	2440	1000~26500	-4.15	-50.49	≤-24.15	PASS
BLE_2M	Ant1	2480	0~Reference	-5.45	-5.45	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.45	-58.55	≤-25.45	PASS
BLE_2M	Ant1	2480	1000~26500	-5.45	-47.31	≤-25.45	PASS

Test Graphs





BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS

