

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

Right:

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.764	2402.420	0.5	PASS
BLE_1M	Ant1	2440	0.660	2439.764	2440.424	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.760	2480.424	0.5	PASS

Left:

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.756	2402.448	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.748	2440.444	0.5	PASS
BLE_1M	Ant1	2480	0.692	2479.748	2480.440	0.5	PASS

Test Graphs

Right:













Appendix B: Occupied Channel Bandwidth

Test Result

Right:

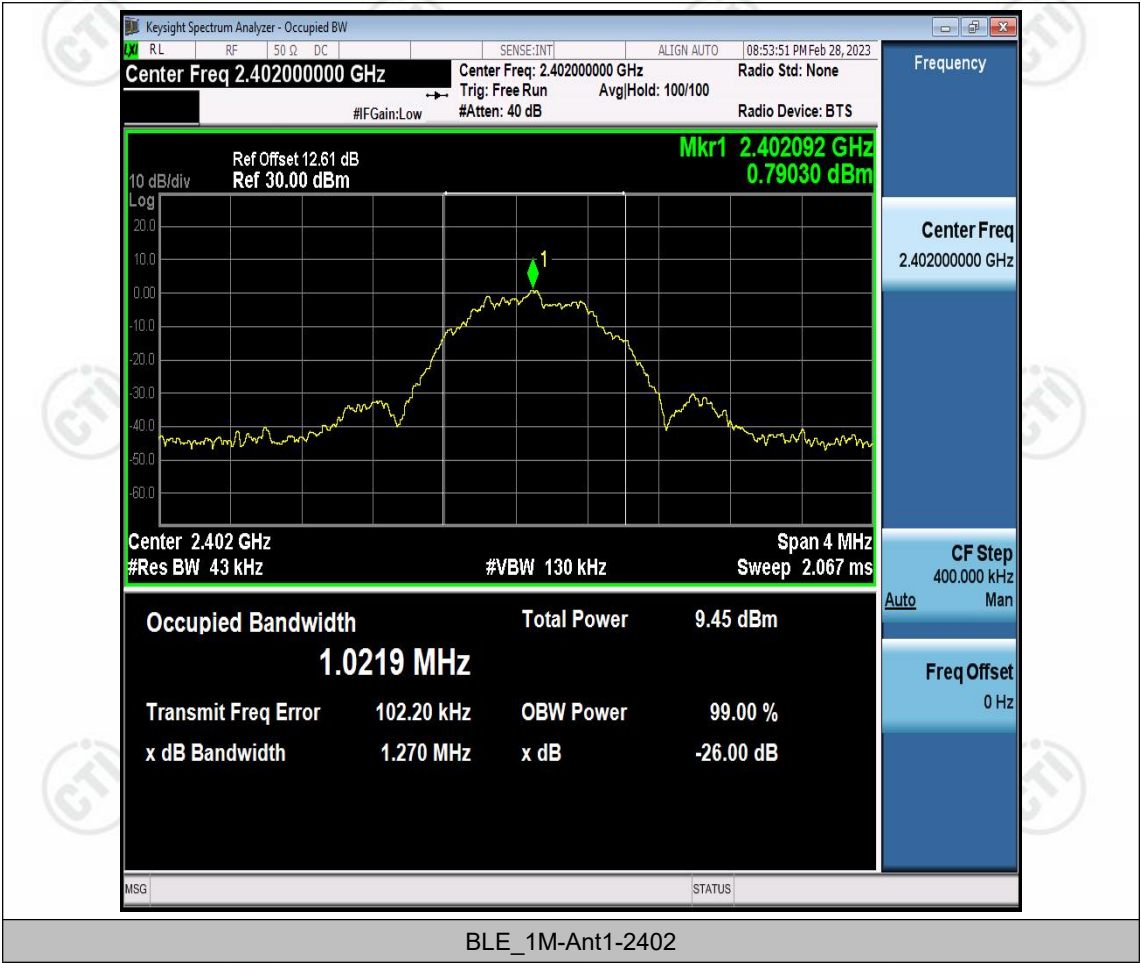
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0219	2401.5913	2402.613 2	---	---
BLE_1M	Ant1	2440	1.0300	2439.5892	2440.619 2	---	---
BLE_1M	Ant1	2480	1.0175	2479.5959	2480.613 4	---	---

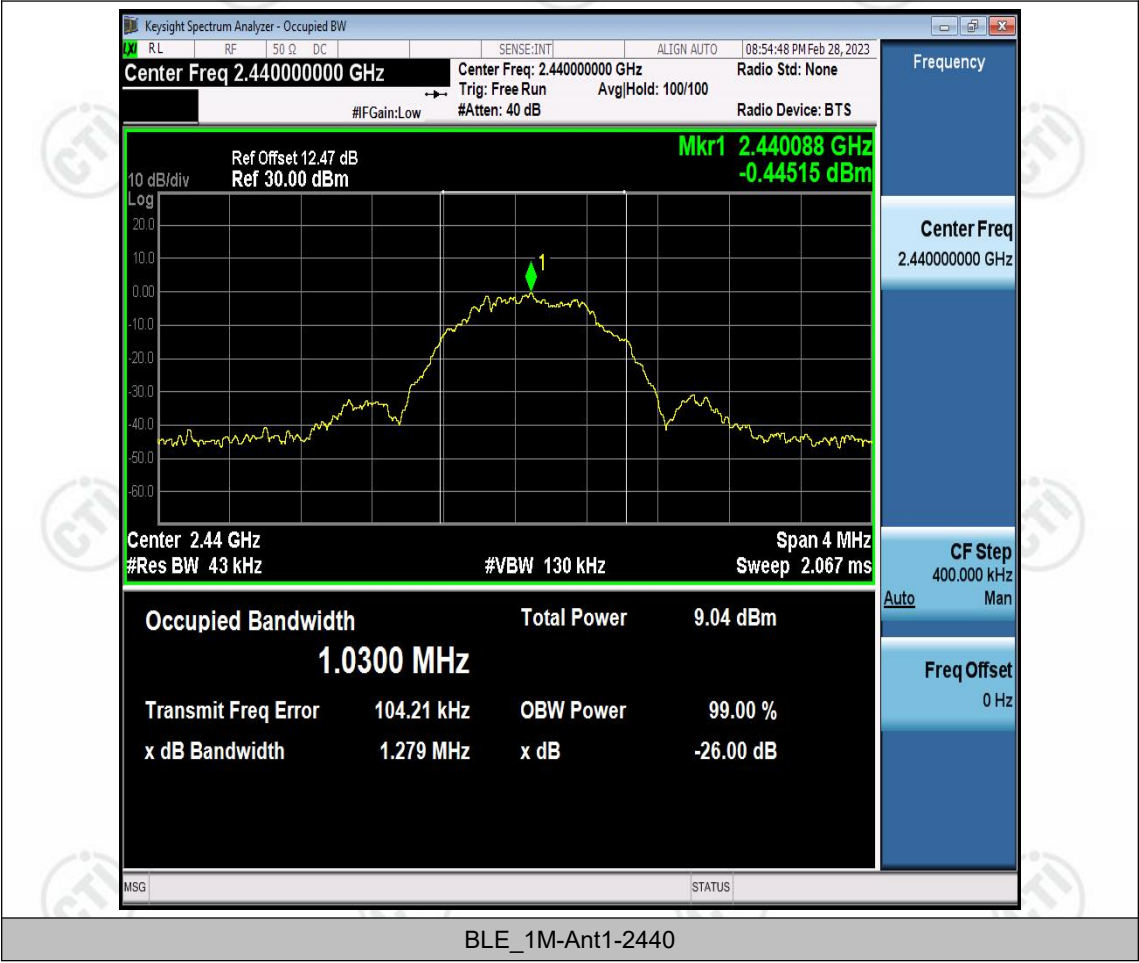
Left:

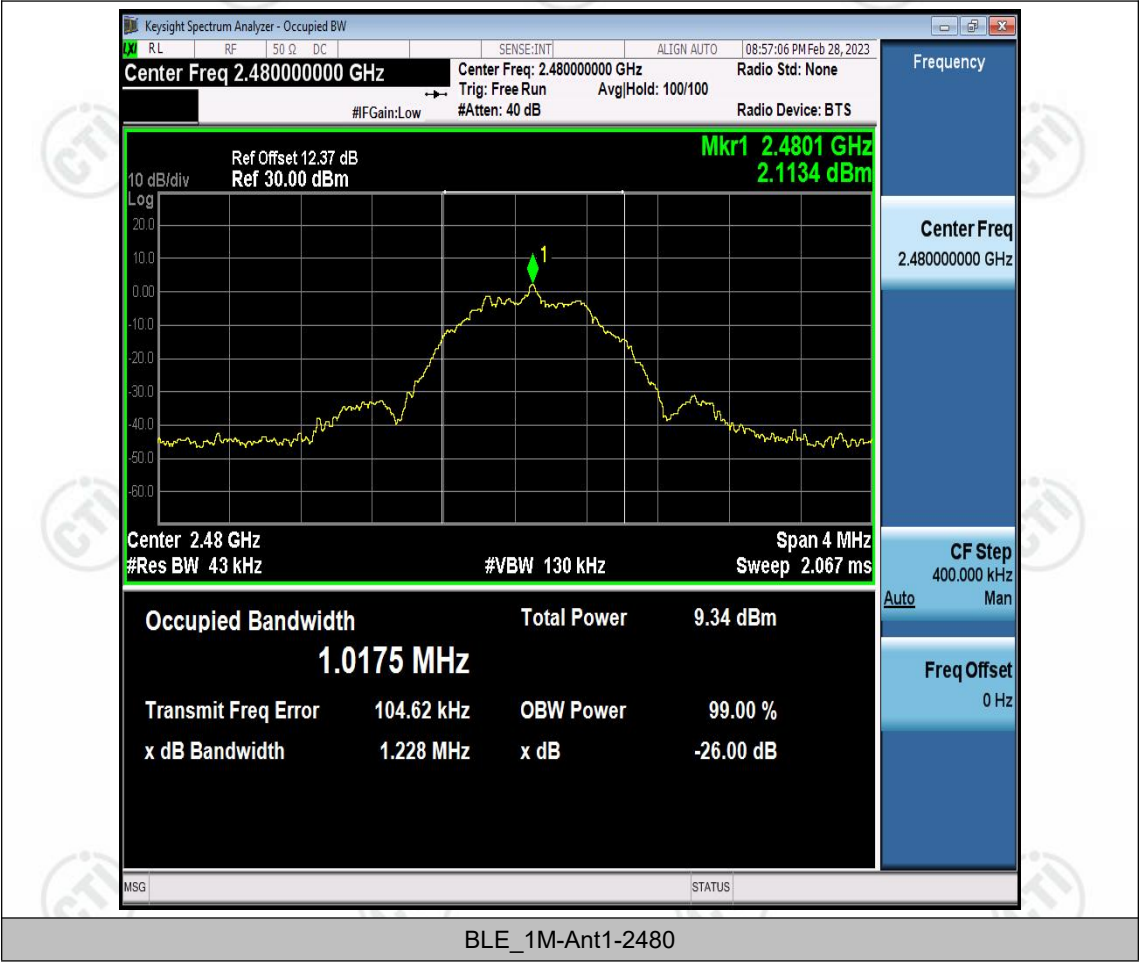
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0163	2401.5976	2402.613 9	---	---
BLE_1M	Ant1	2440	1.0162	2439.5983	2440.614 5	---	---
BLE_1M	Ant1	2480	1.0161	2479.6020	2480.618 1	---	---

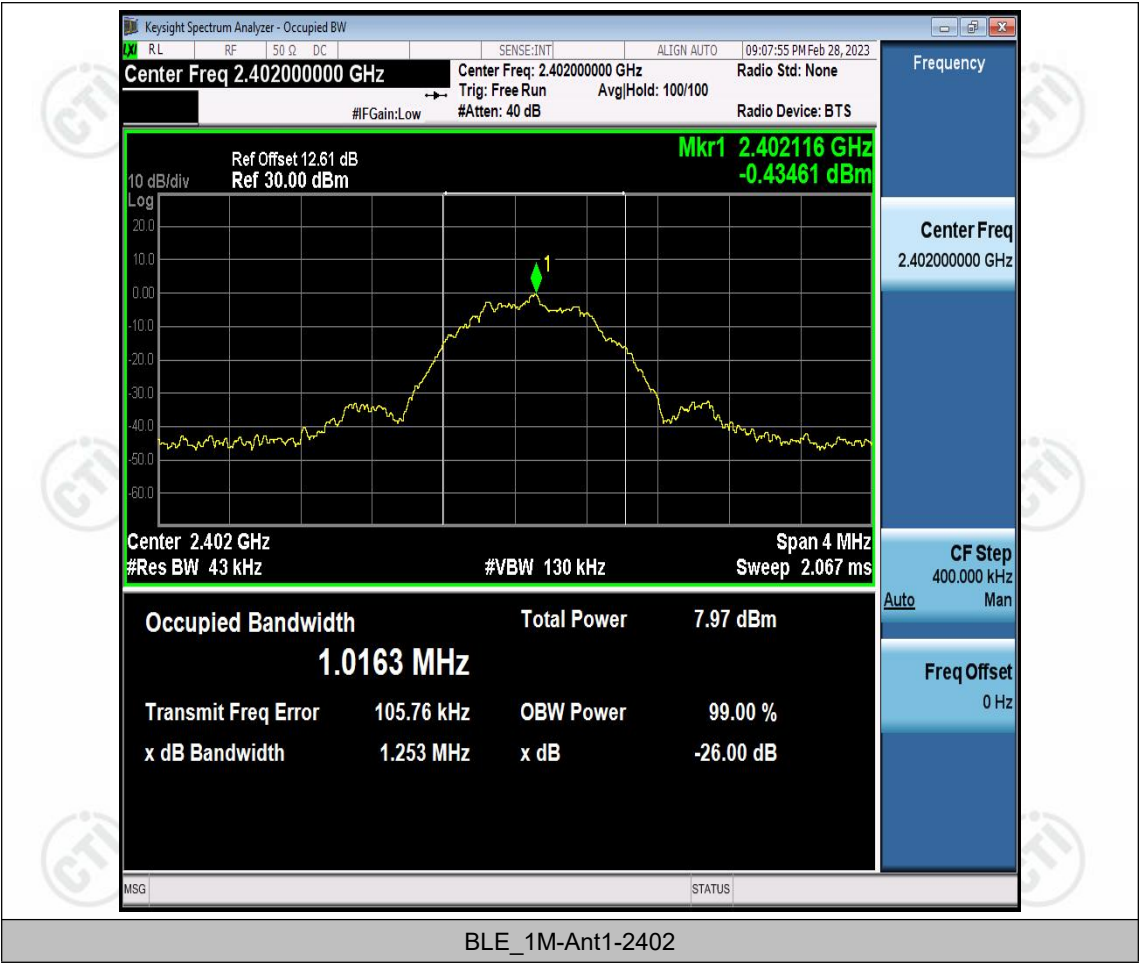
Test Graphs

Right:

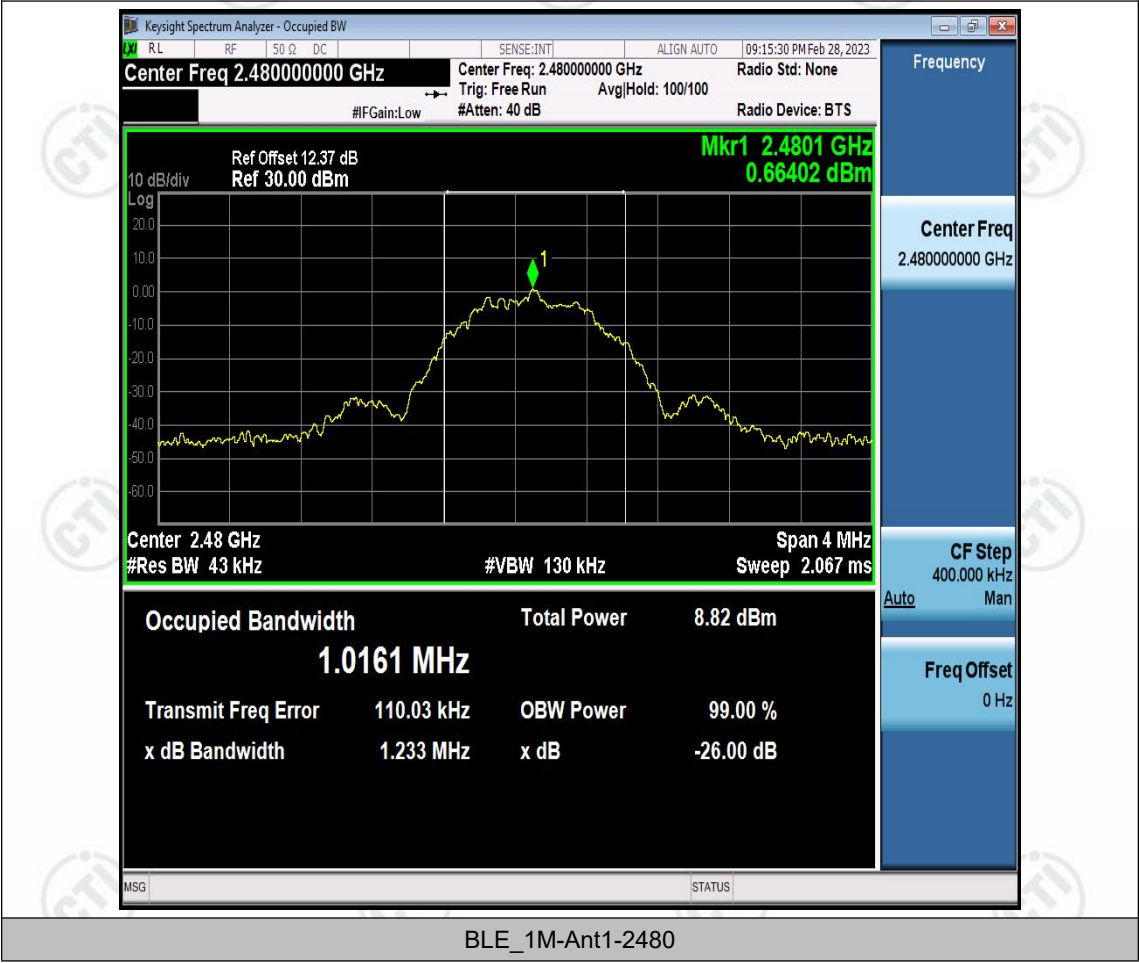












Appendix C: Maximum conducted output power**Test Result**

Right:

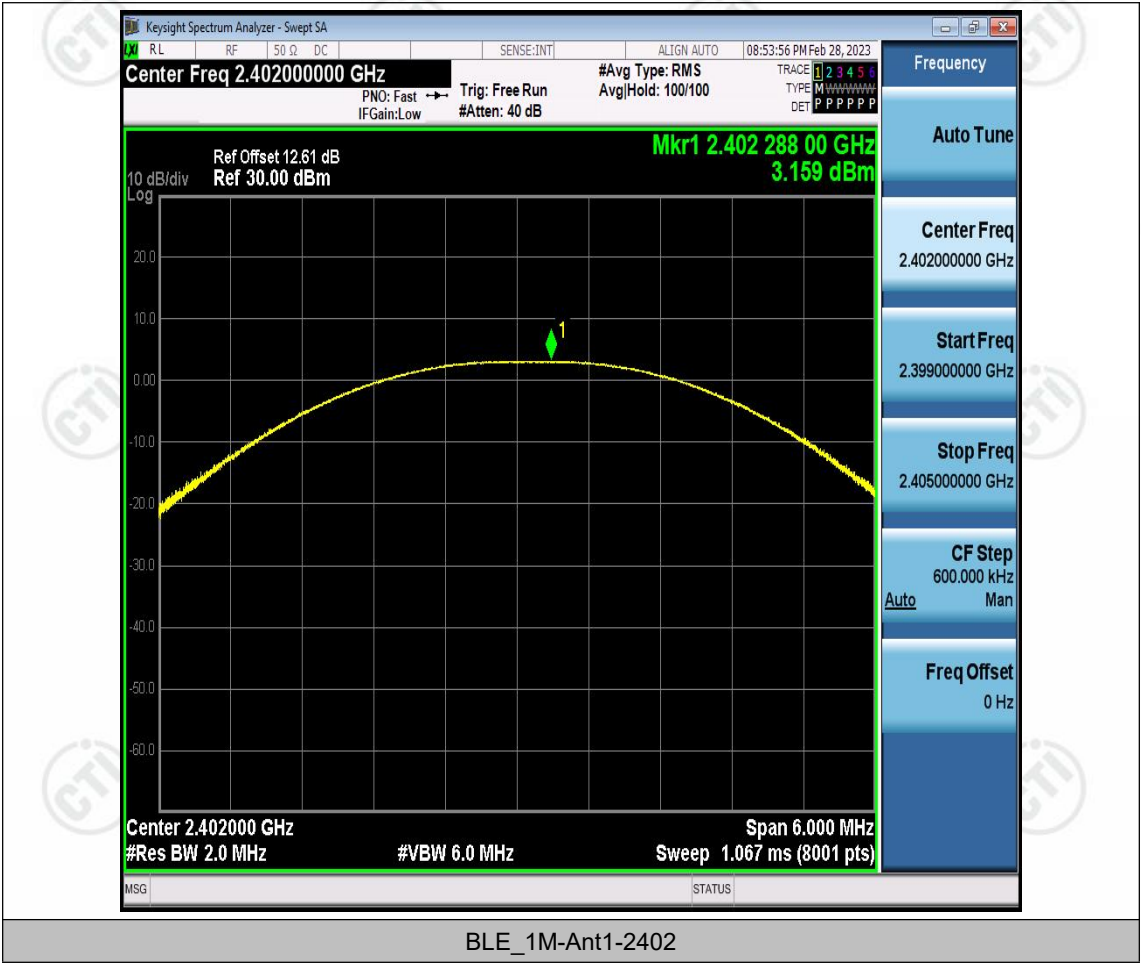
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.16	≤30	PASS
BLE_1M	Ant1	2440	3.13	≤30	PASS
BLE_1M	Ant1	2480	2.73	≤30	PASS

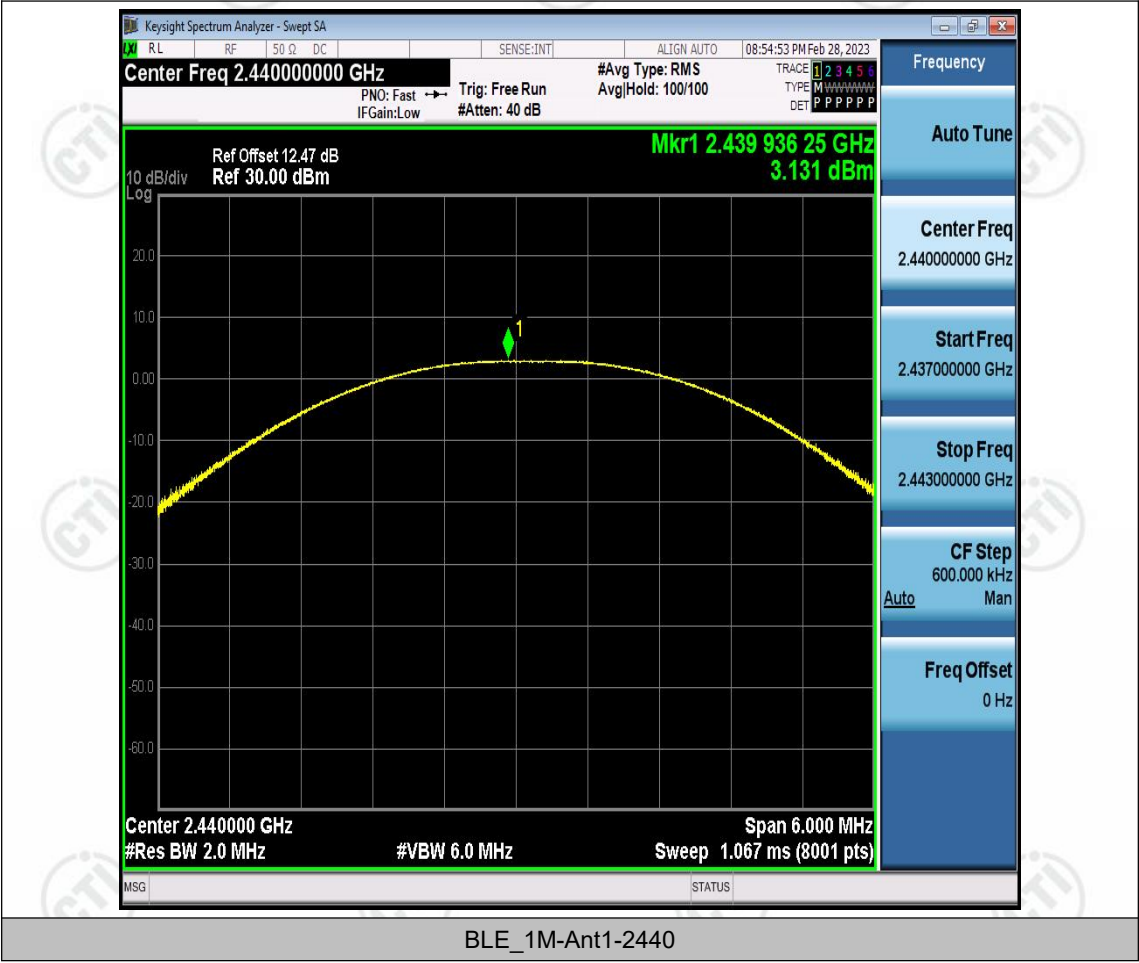
Left:

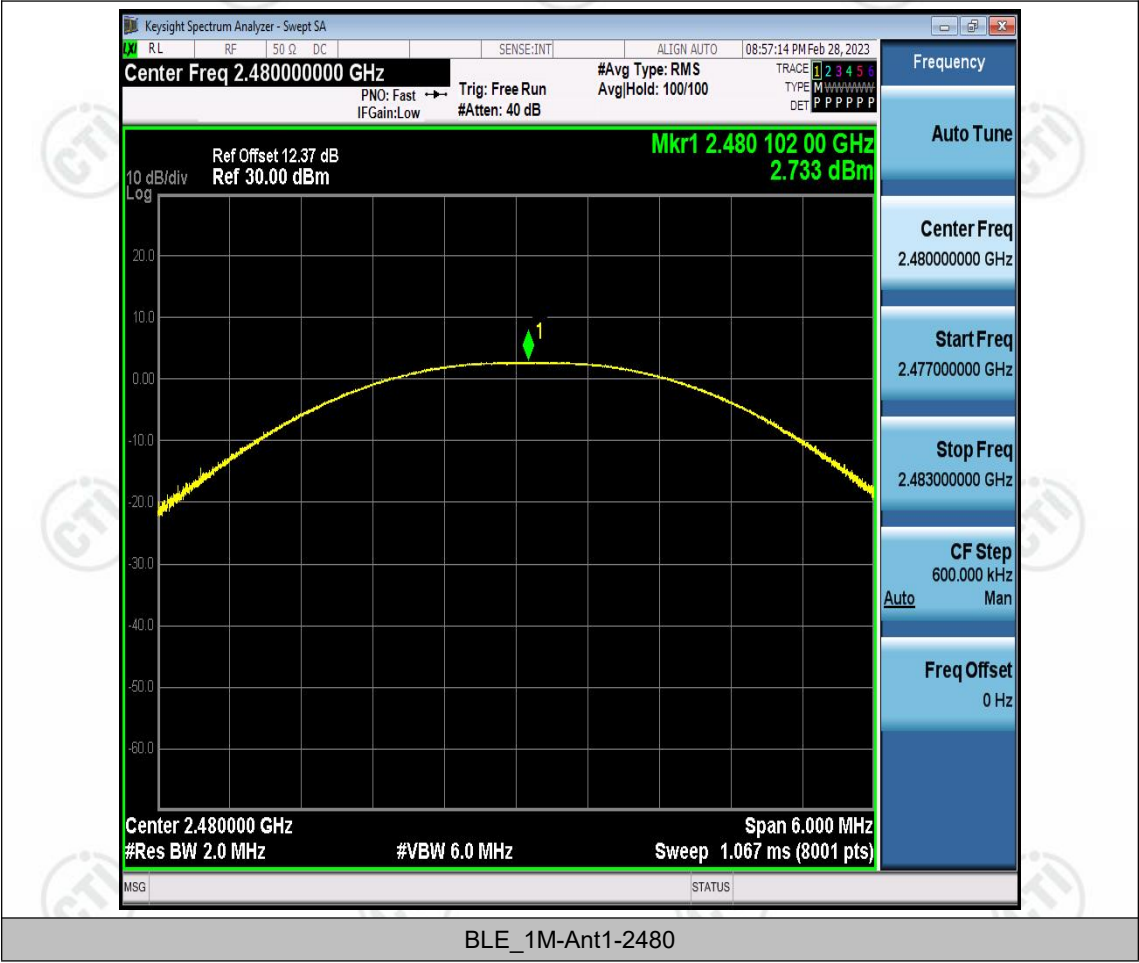
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.54	≤30	PASS
BLE_1M	Ant1	2440	2.69	≤30	PASS
BLE_1M	Ant1	2480	2.45	≤30	PASS

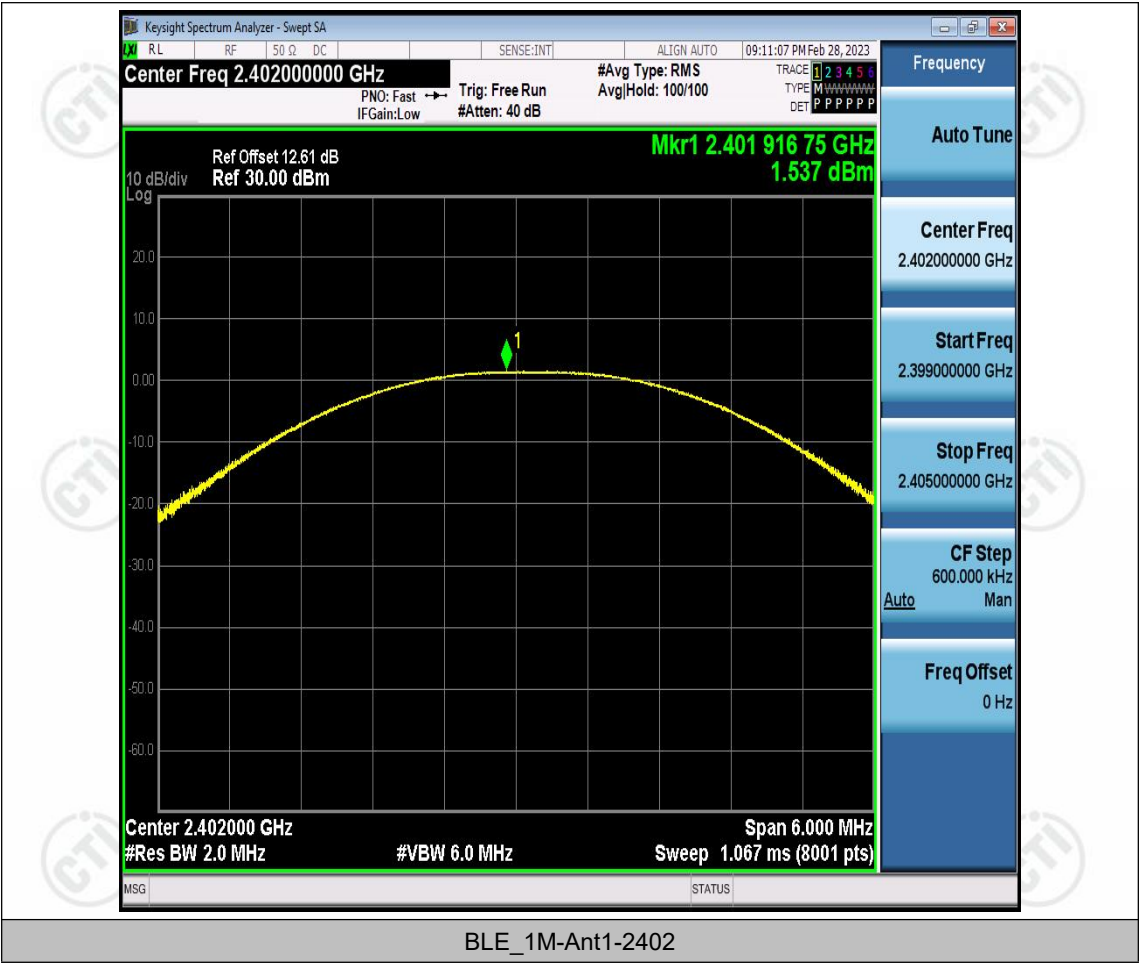
Test Graphs

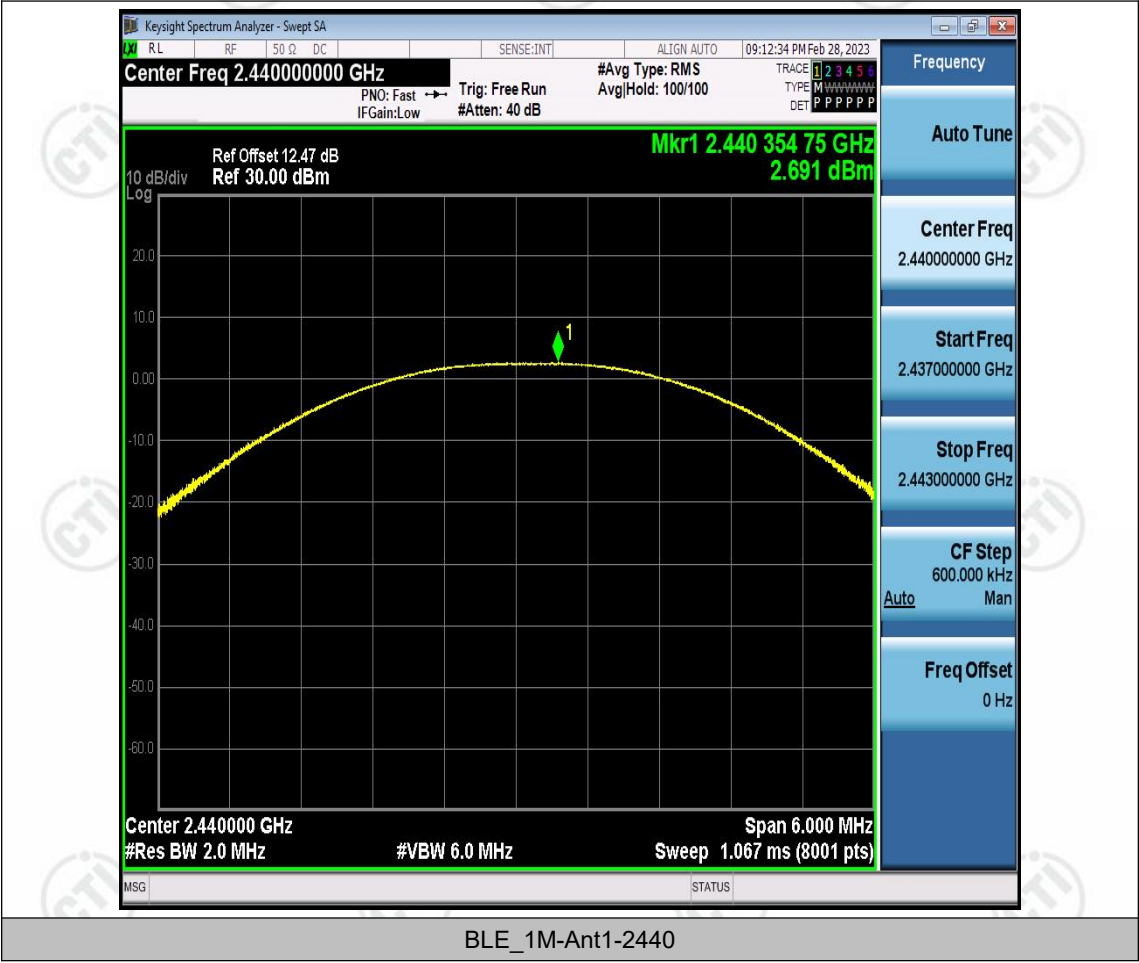
Right:

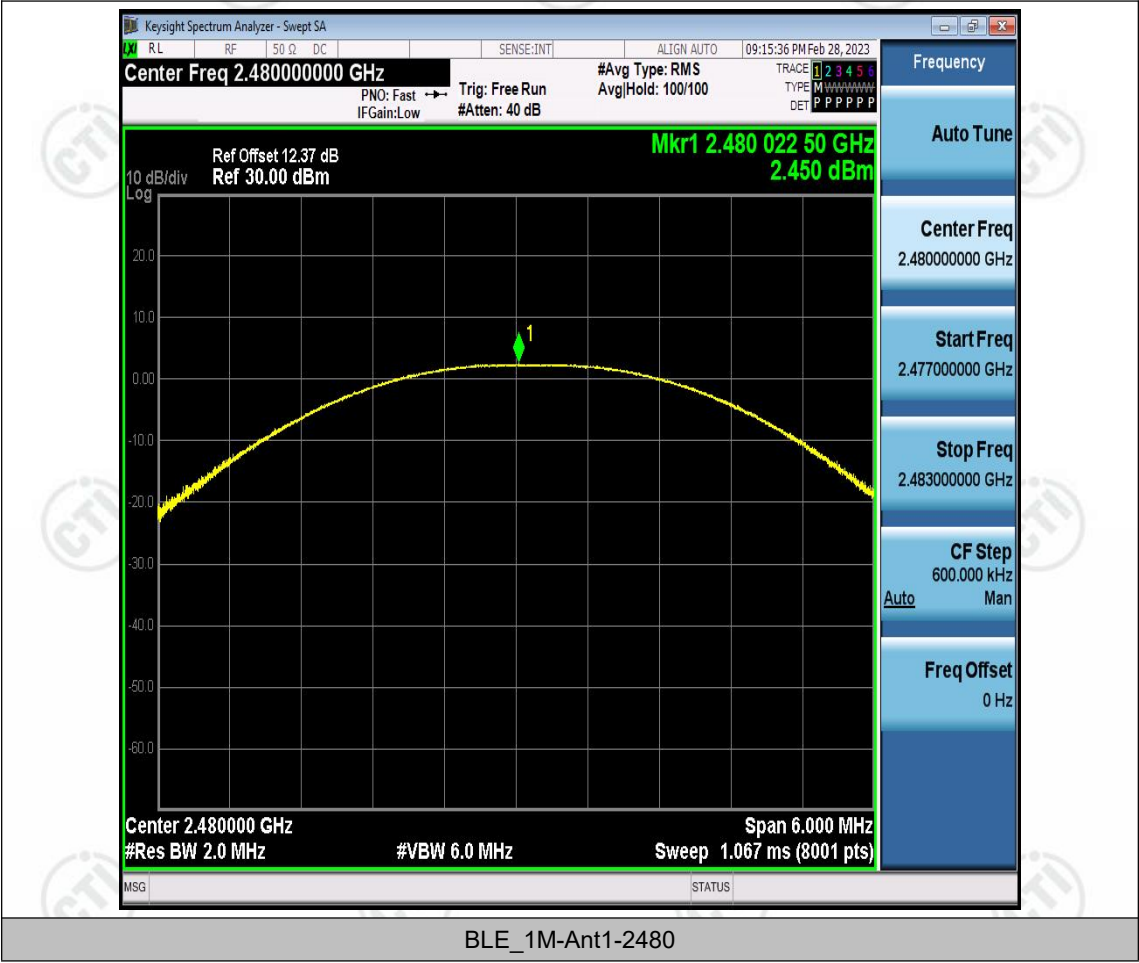












Appendix D: Maximum power spectral density

Test Result

Right:

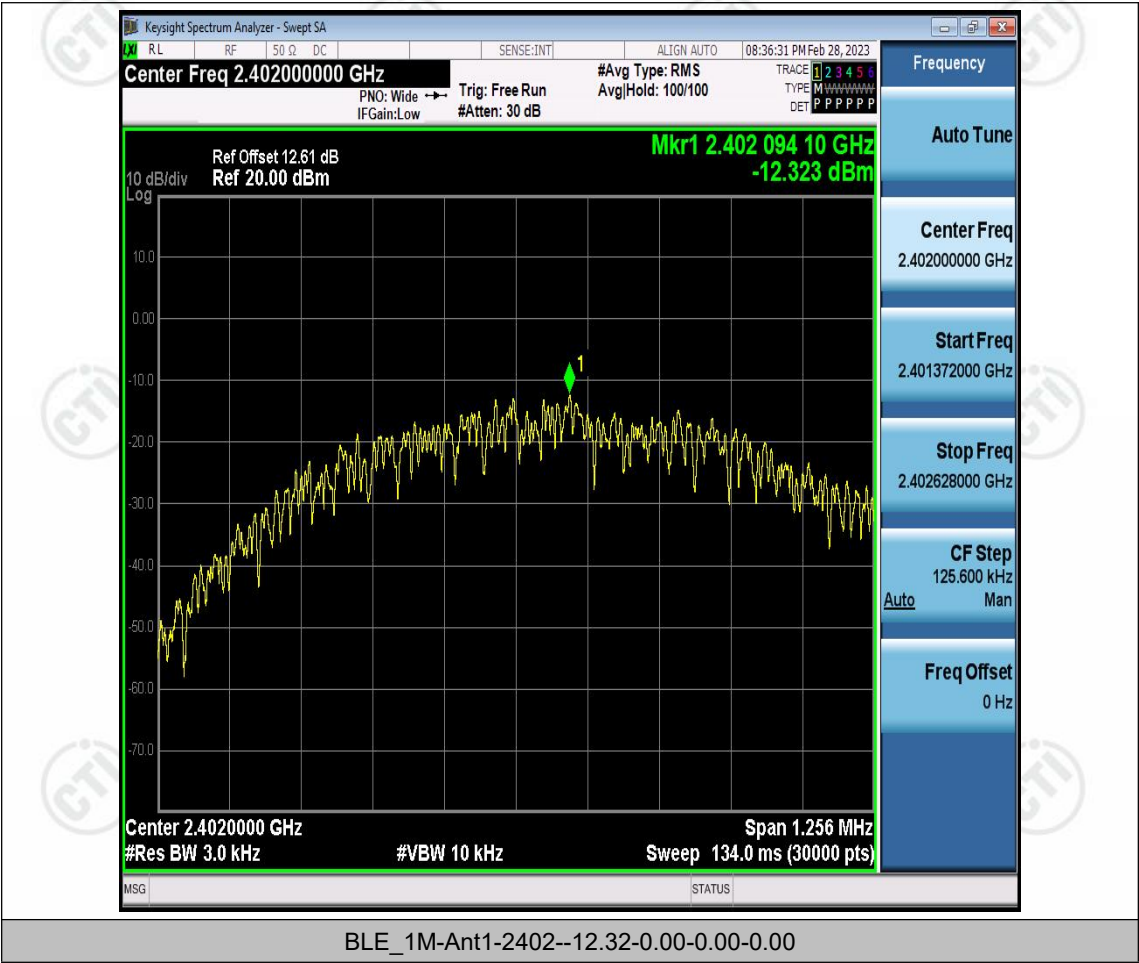
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.32	≤8.00	PASS
BLE_1M	Ant1	2440	-12.38	≤8.00	PASS
BLE_1M	Ant1	2480	-12.67	≤8.00	PASS

Left:

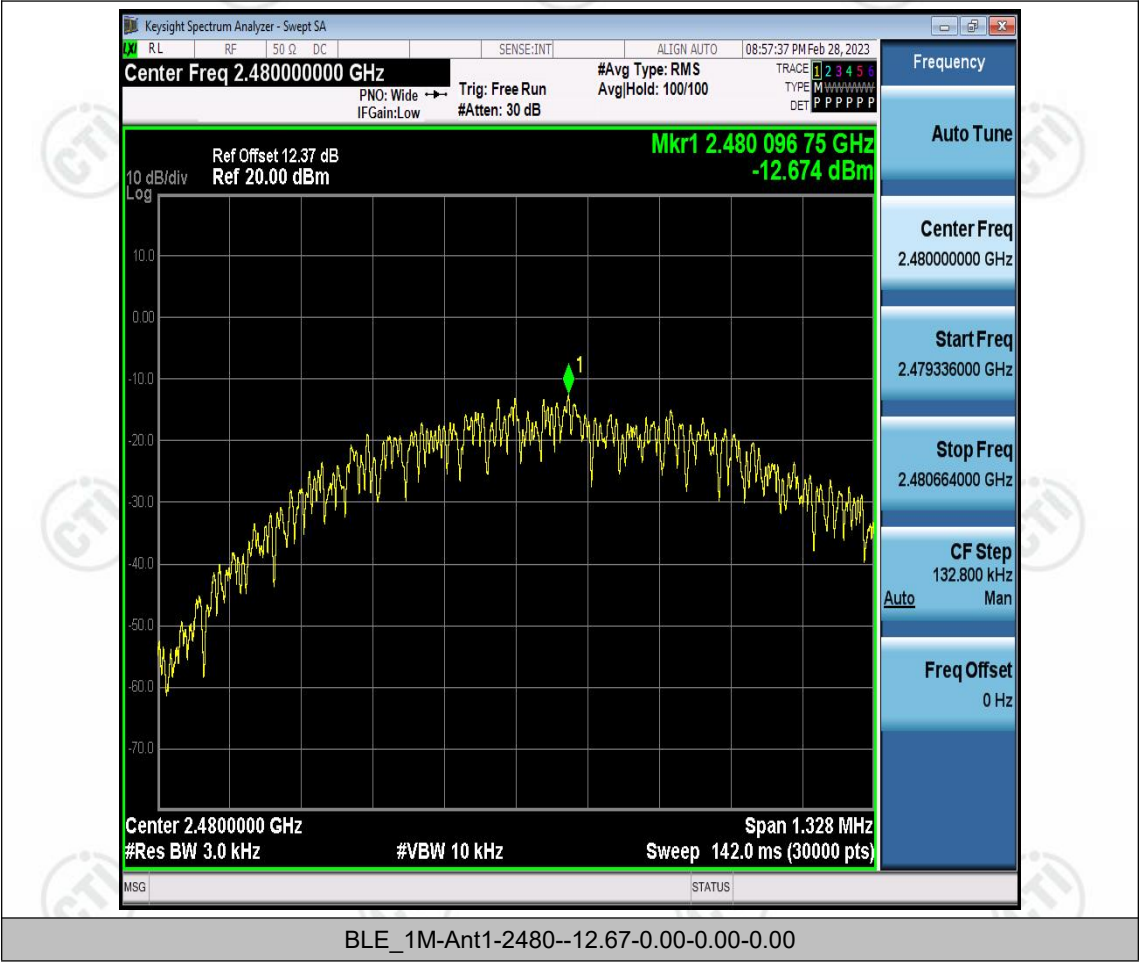
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.56	≤8.00	PASS
BLE_1M	Ant1	2440	-13.48	≤8.00	PASS
BLE_1M	Ant1	2480	-13.66	≤8.00	PASS

Test Graphs

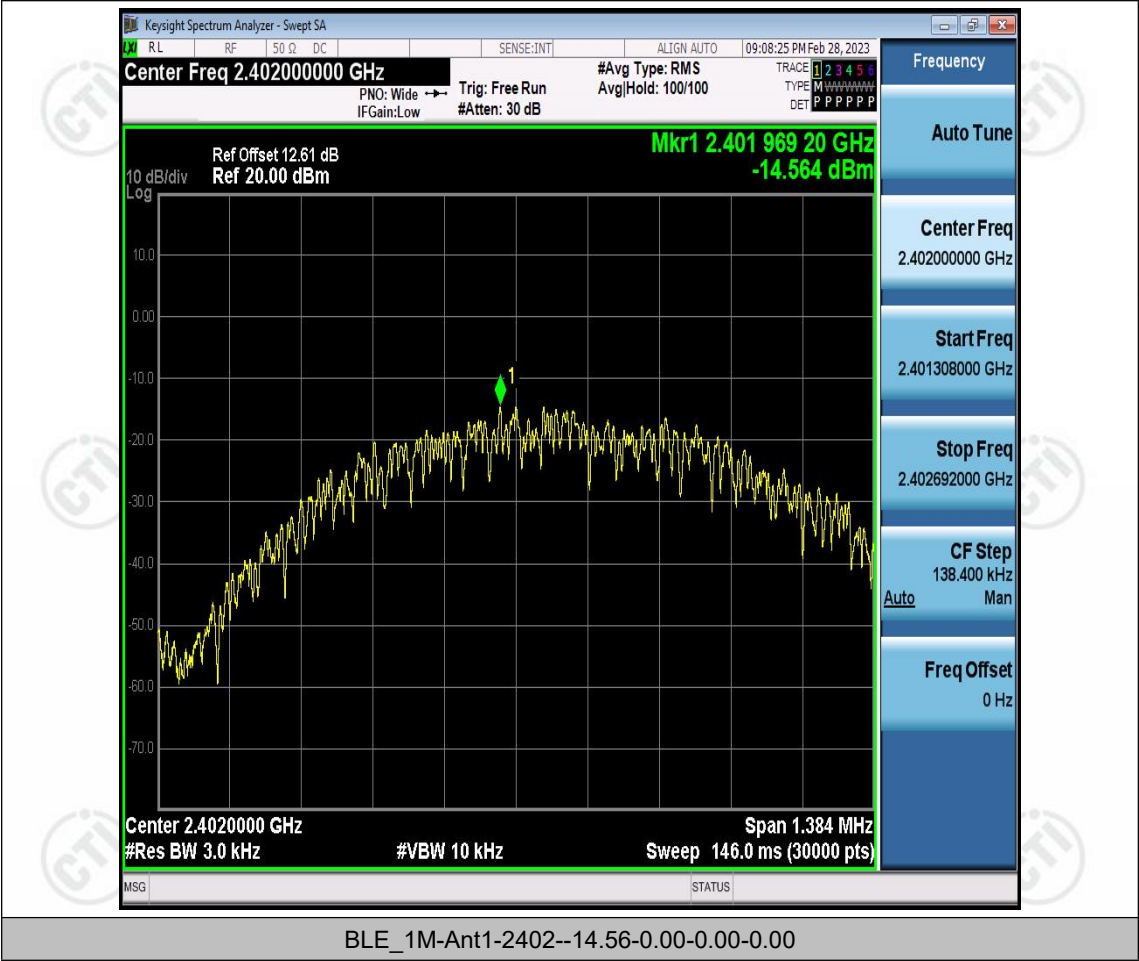
Right:

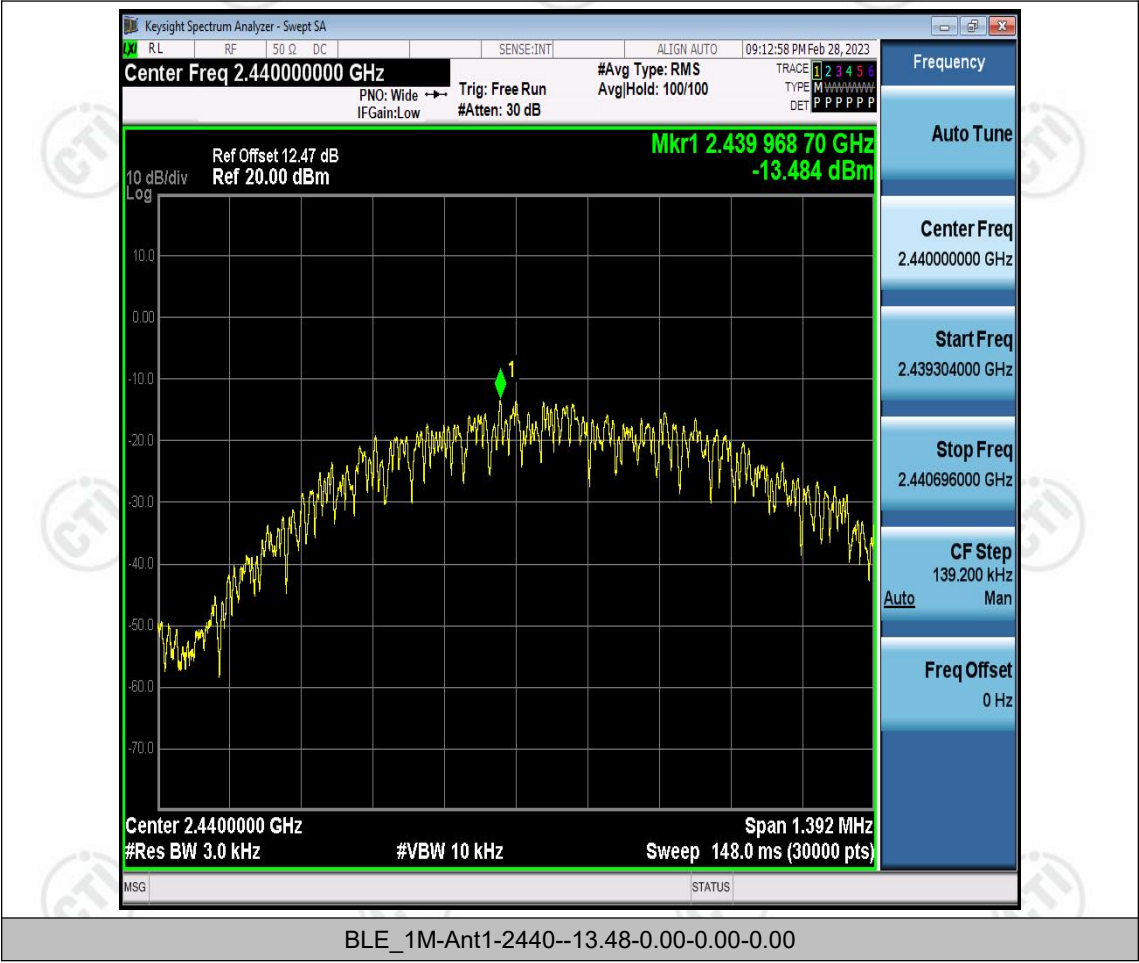


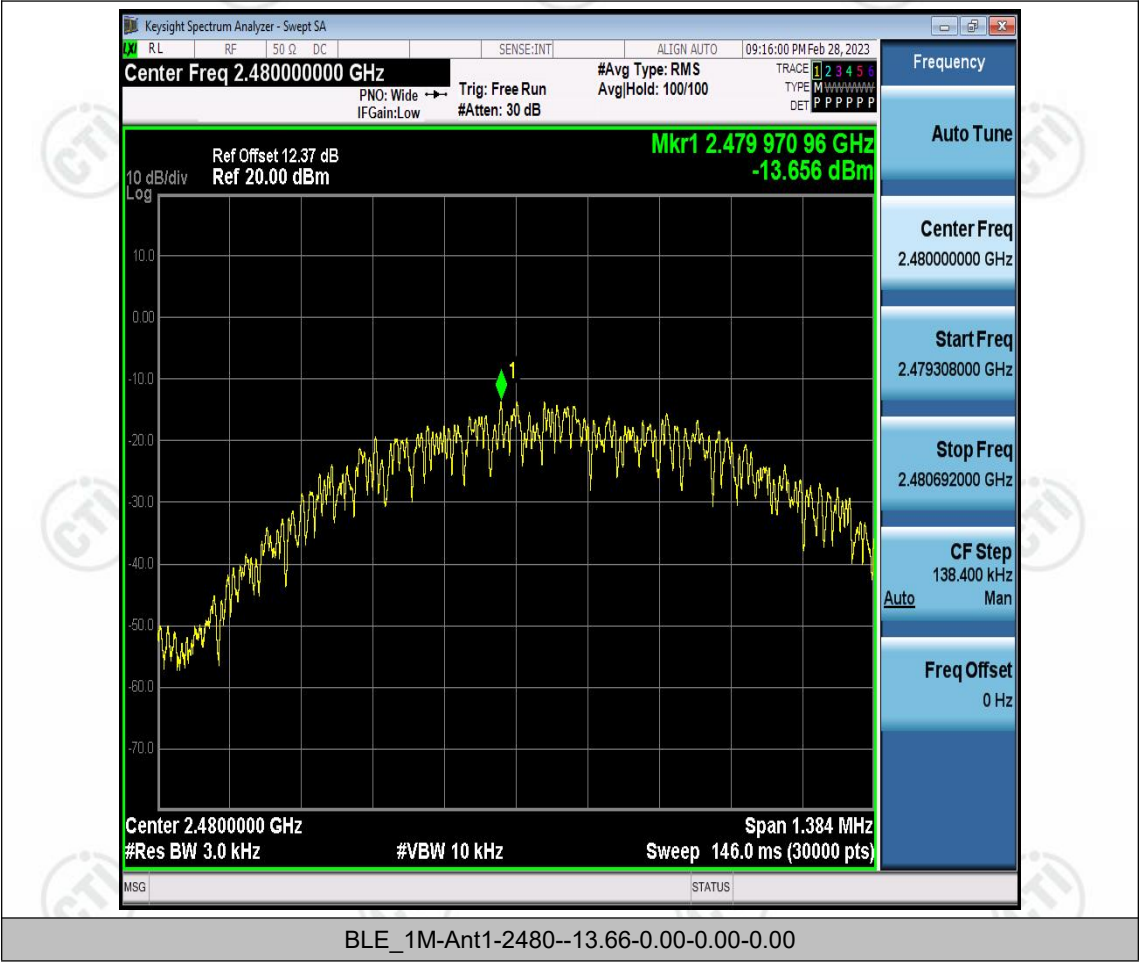




Left:







Appendix E: Band edge measurements

Test Result

Right:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.87	-45.72	≤-18.13	PASS
BLE_1M	Ant1	High	2480	2.51	-47.02	≤-17.49	PASS

Left:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.30	-45.2	≤-19.7	PASS
BLE_1M	Ant1	High	2480	1.03	-44	≤-18.97	PASS

Test Graphs

Right:

