

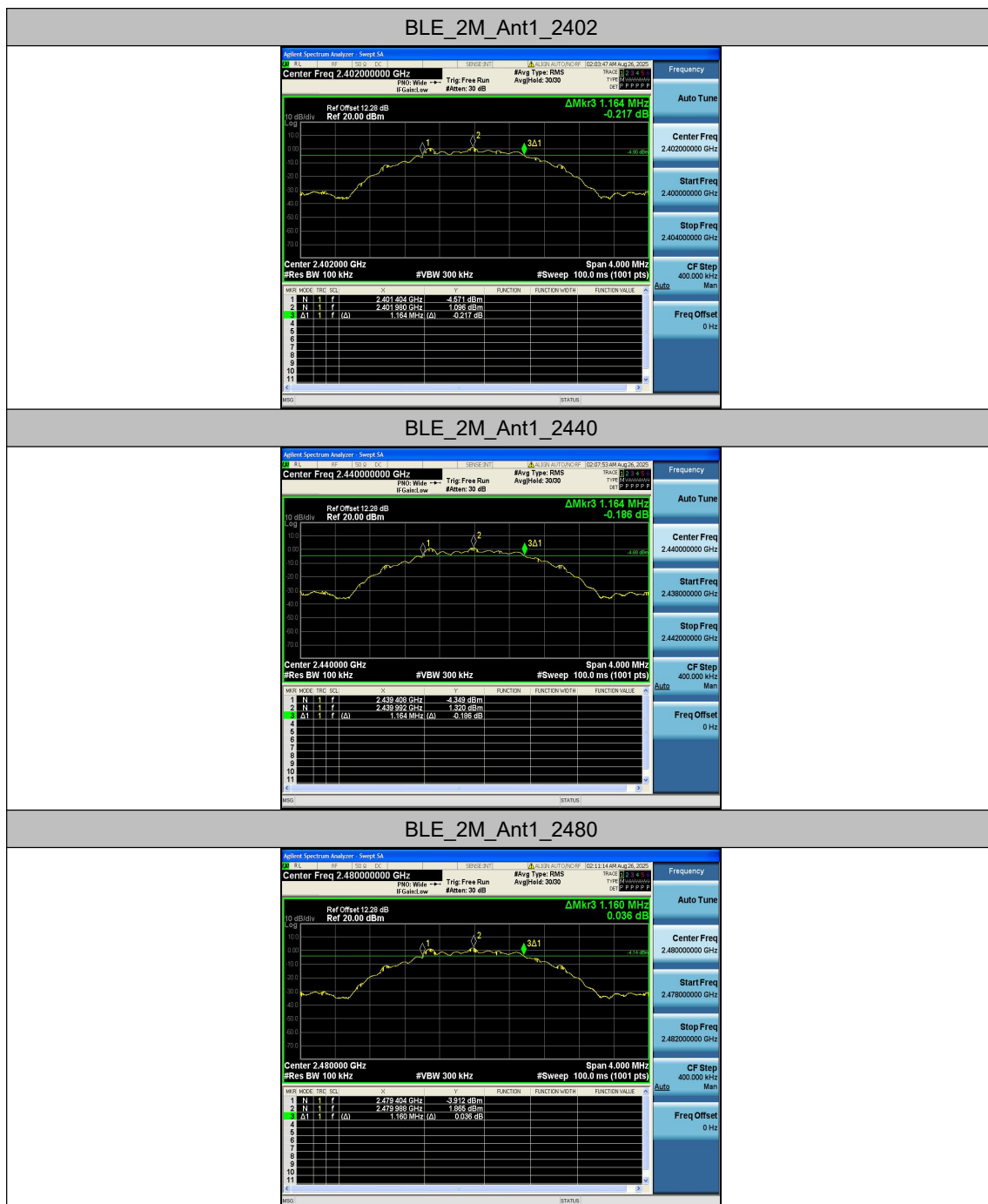
Appendix I BLE Test Data**Applicant:** Shenzhen chengtai electronic and technology co.,LTD**Report No:** DLE-250826004R**EUT:** Bluetooth Speaker**M/N:** TG657**Standard:**FCC Part15 Subpart C, Section 15.247**Test Power Supply:** DC 3.7V**Ambient Condition:** 24.7 °C, 52 %RH, 101.325 kPa**Test Date:** 2025.08.25**Test Engineer:** Ken Tan*Ken Tan*

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	1.164	2401.404	2402.568	0.5	PASS
		2440	1.164	2439.408	2440.572	0.5	PASS
		2480	1.160	2479.404	2480.564	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_2M	Ant1	2402	2.0665	2400.9684	2403.0349	---	---
		2440	2.0462	2438.9816	2441.0278	---	---
		2480	2.0575	2478.9831	2481.0406	---	---

Test Graphs



Appendix C: Maximum conducted output power

Test Result Peak

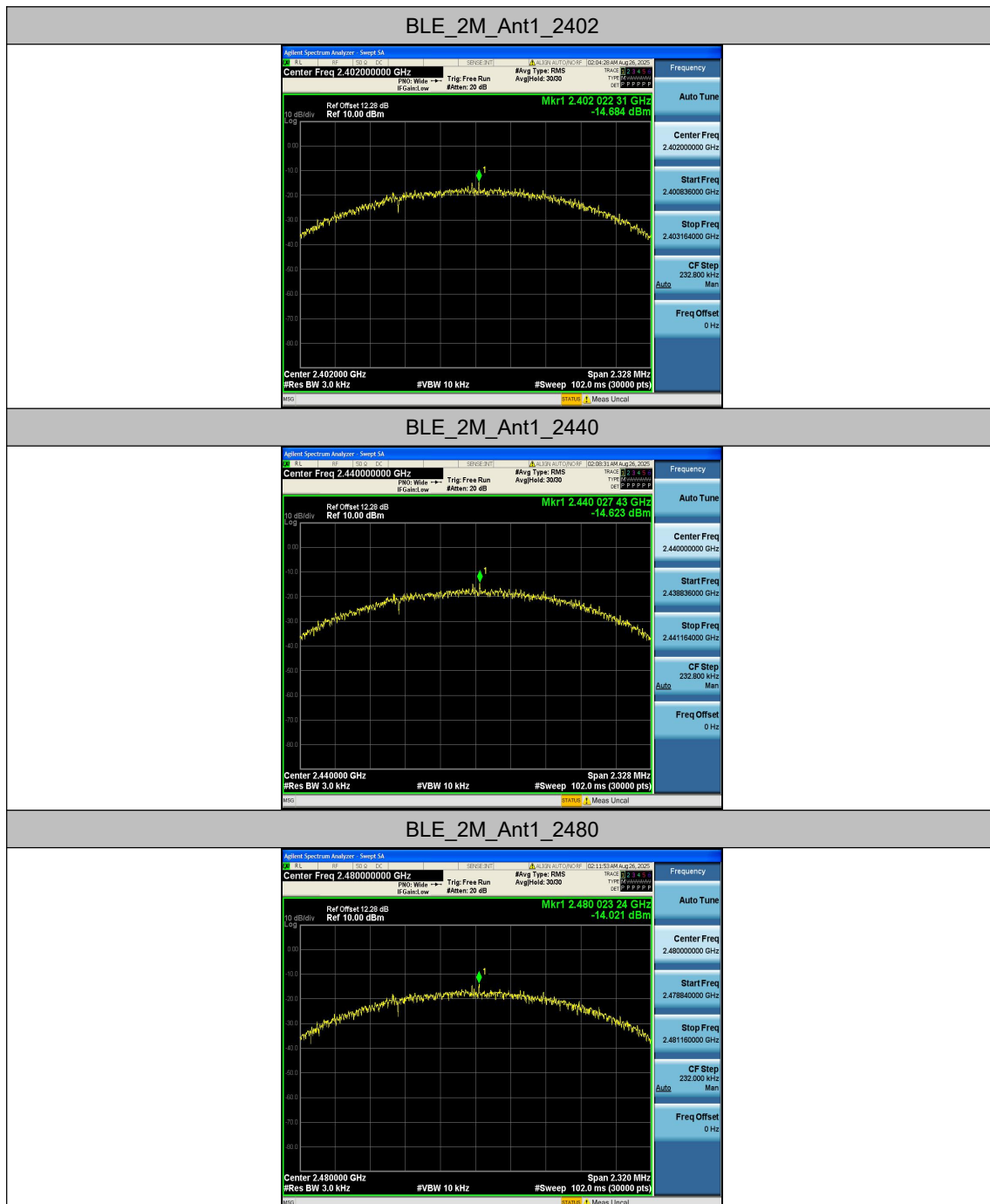
TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_2M	Ant1	2402	2.59	≤30	PASS
		2440	2.83	≤30	PASS
		2480	3.31	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_2M	Ant1	2402	-14.68	≤8.00	PASS
		2440	-14.62	≤8.00	PASS
		2480	-14.02	≤8.00	PASS

Test Graphs

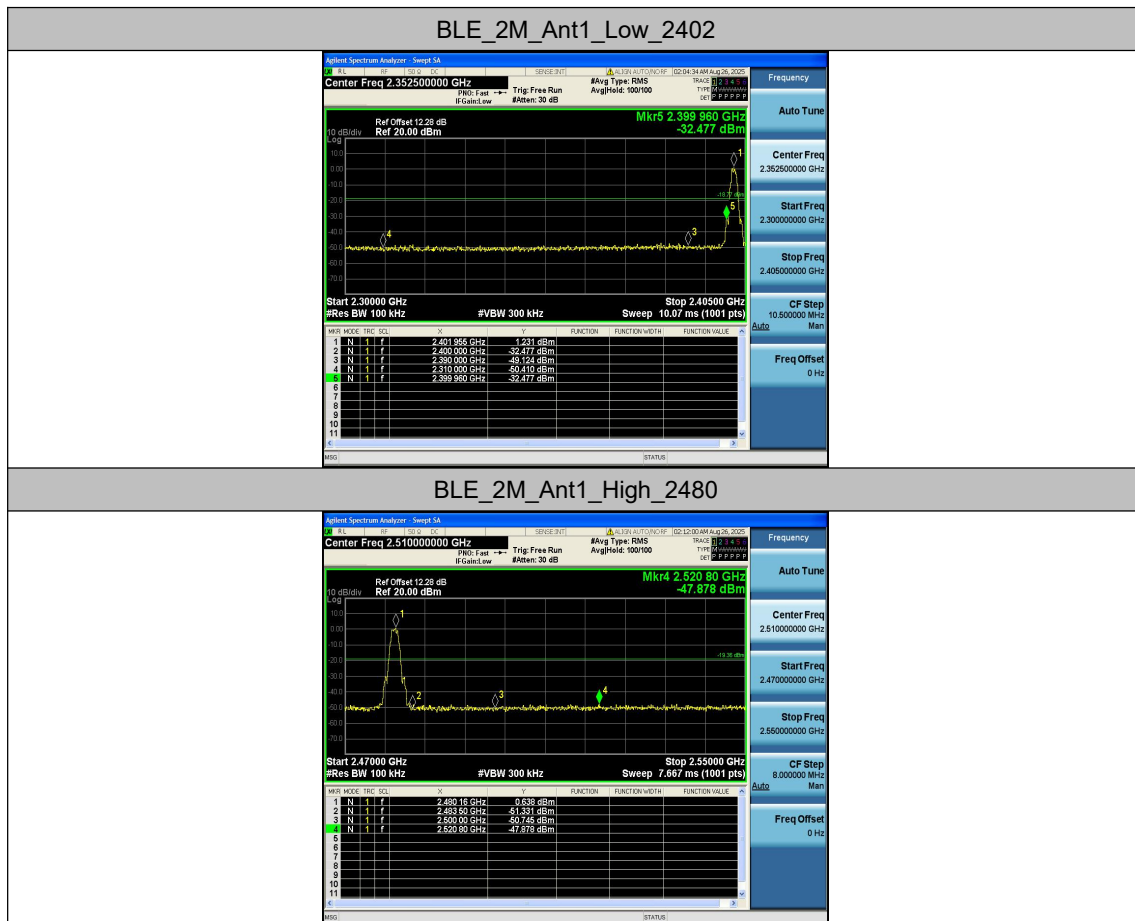


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	Low	2402	1.23	-32.48	≤-18.77	PASS
		High	2480	0.64	-47.88	≤-19.36	PASS

Test Graphs

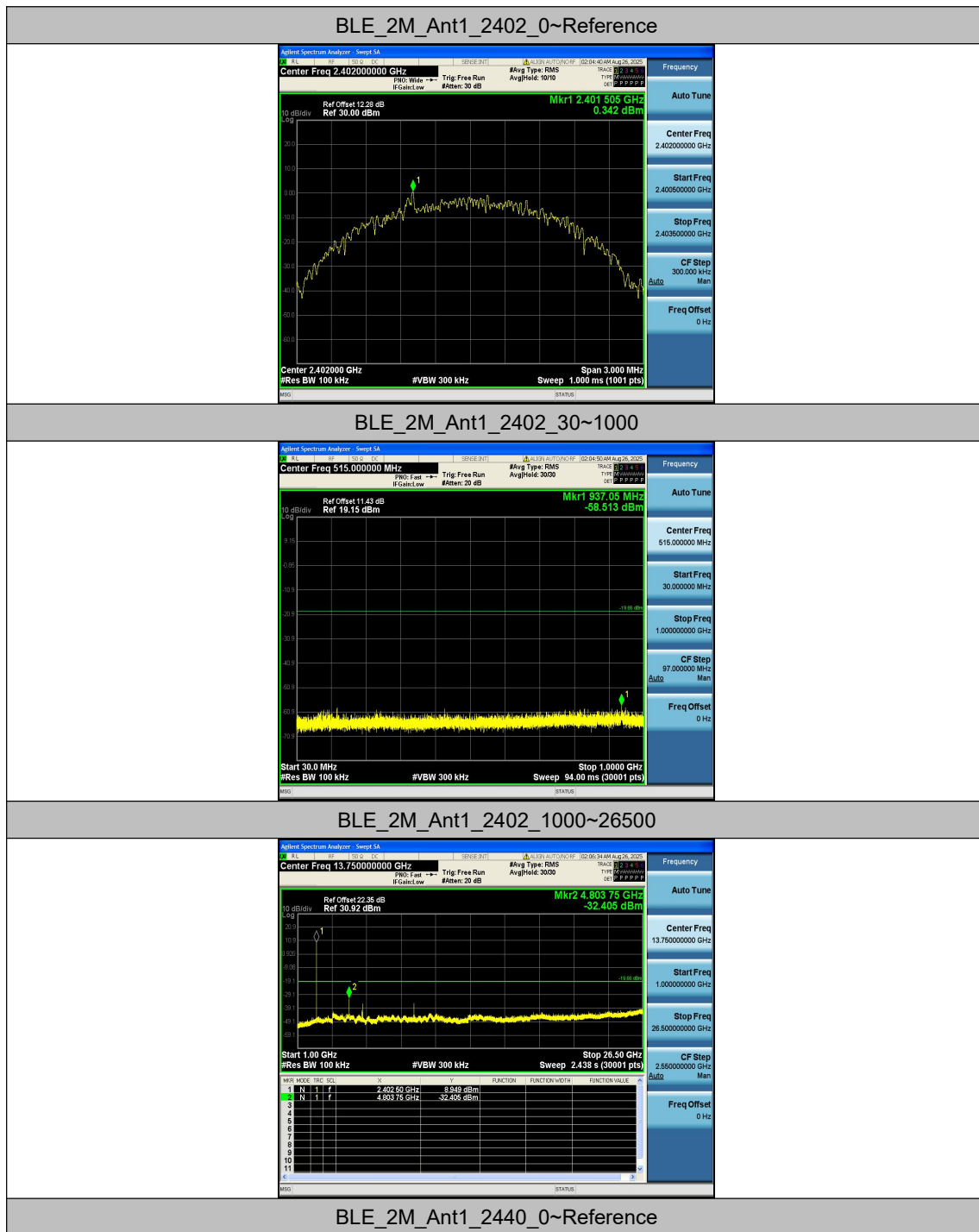


Appendix F: Conducted Spurious Emission

Test Result

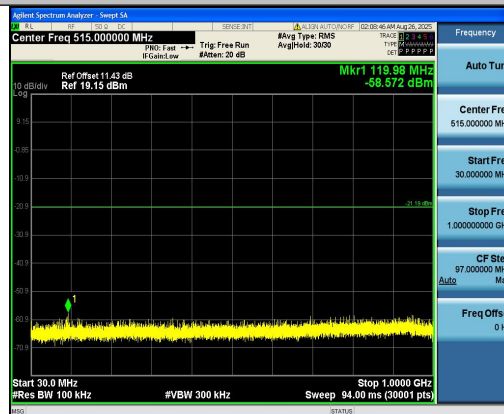
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	2402	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-58.51	≤-19.66	PASS
			1000~26500	0.34	-32.41	≤-19.66	PASS
		2440	Reference	-1.19	-1.19	---	PASS
			30~1000	-1.19	-58.57	≤-21.19	PASS
			1000~26500	-1.19	-29.12	≤-21.19	PASS
		2480	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-57.43	≤-20.7	PASS
			1000~26500	-0.70	-36.58	≤-20.7	PASS

Test Graphs

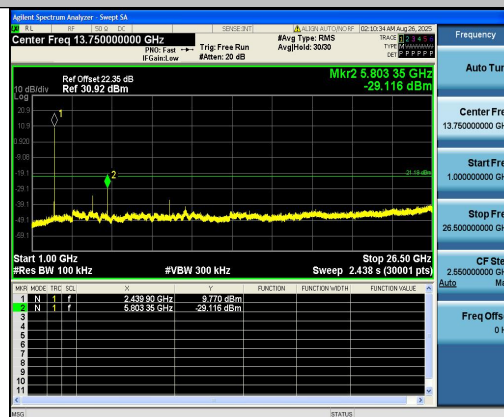




BLE_2M_Ant1_2440_30~1000



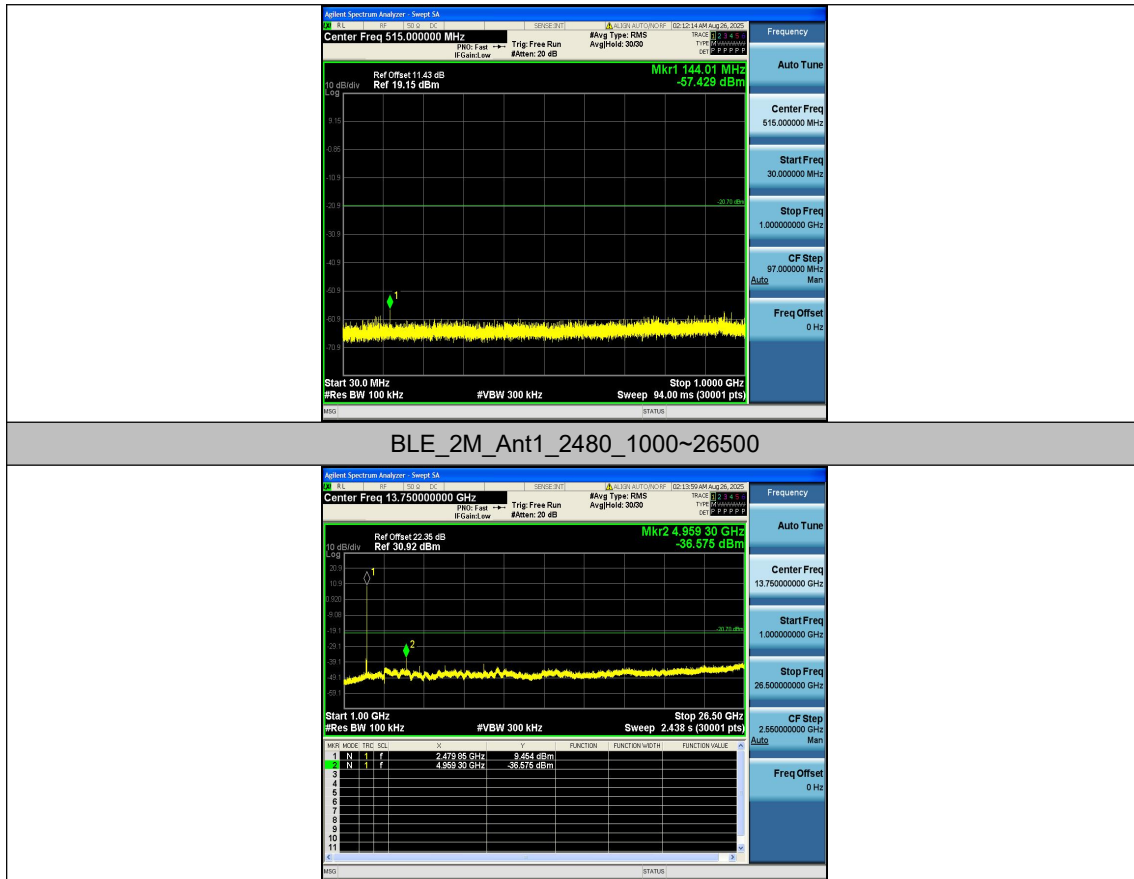
BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_2M	Ant1	2402	1.07	1.25	0.8560	85.60	0.68	---	---
		2440	1.07	1.25	0.8560	85.60	0.68	---	---
		2480	1.08	1.25	0.8640	86.40	0.63	---	---

Test Graphs

