

FCC Appendix RF Test Data

FCC ID : 2BPVD-LB03

Company: : Shenzhen Lonauto Technology Co.,Ltd.

EUT : Car Diagnostic Scanner

Model Number : LB03

Report No. : CTA25052201901

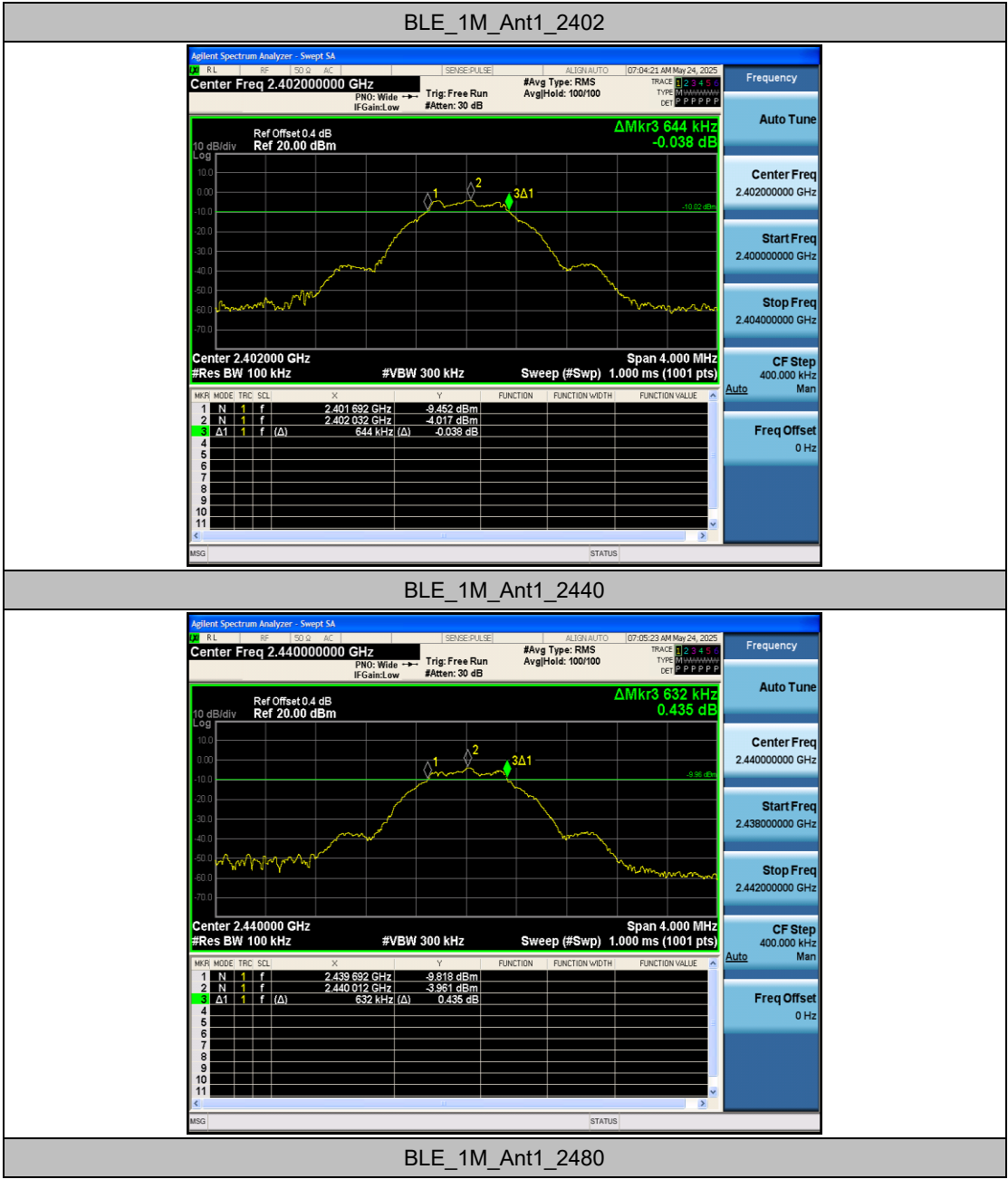
Reviewed By : Eric Wang

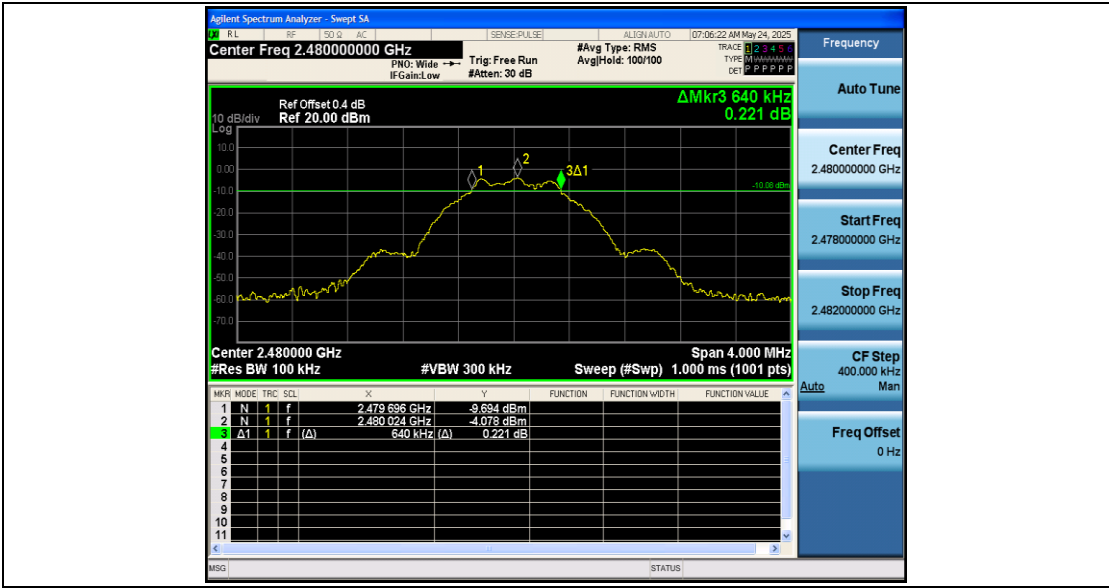
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.692	2402.336	0.5	PASS
		2440	0.632	2439.692	2440.324	0.5	PASS
		2480	0.640	2479.696	2480.336	0.5	PASS

Test Graphs



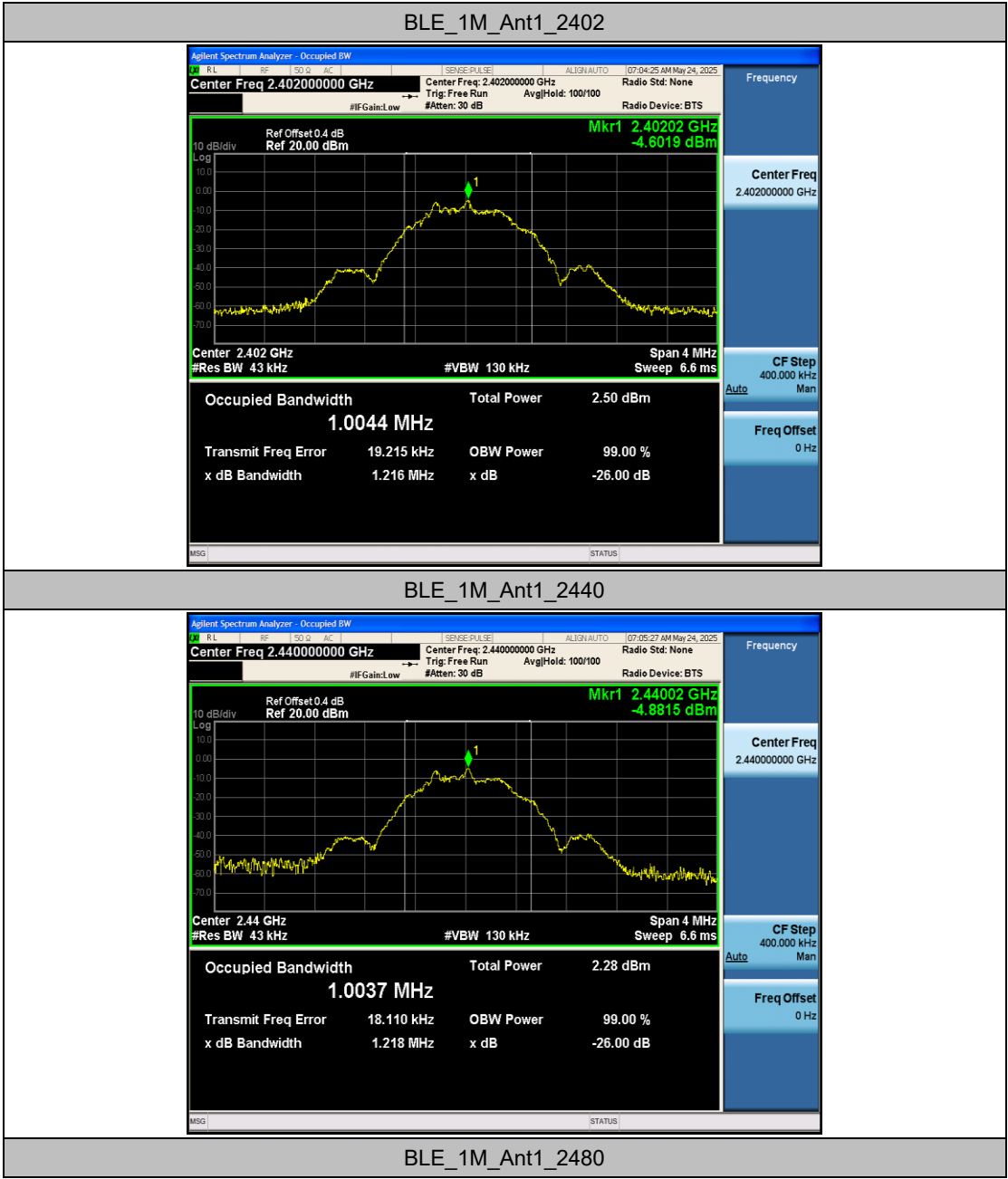


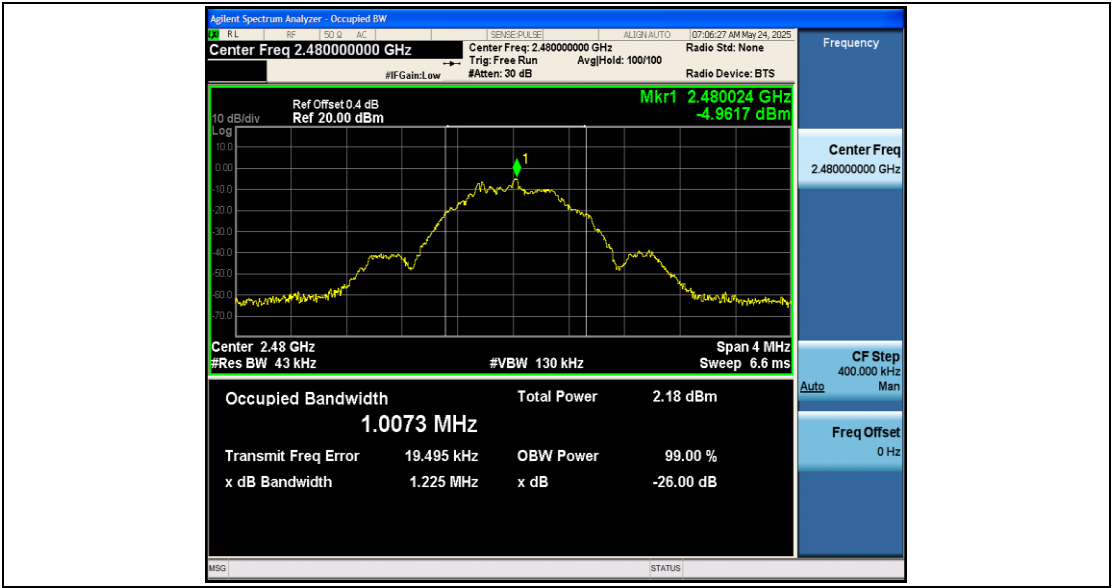
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0044	2401.5170	2402.5214	---	---
		2440	1.0037	2439.5163	2440.5200	---	---
		2480	1.0073	2479.5158	2480.5231	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

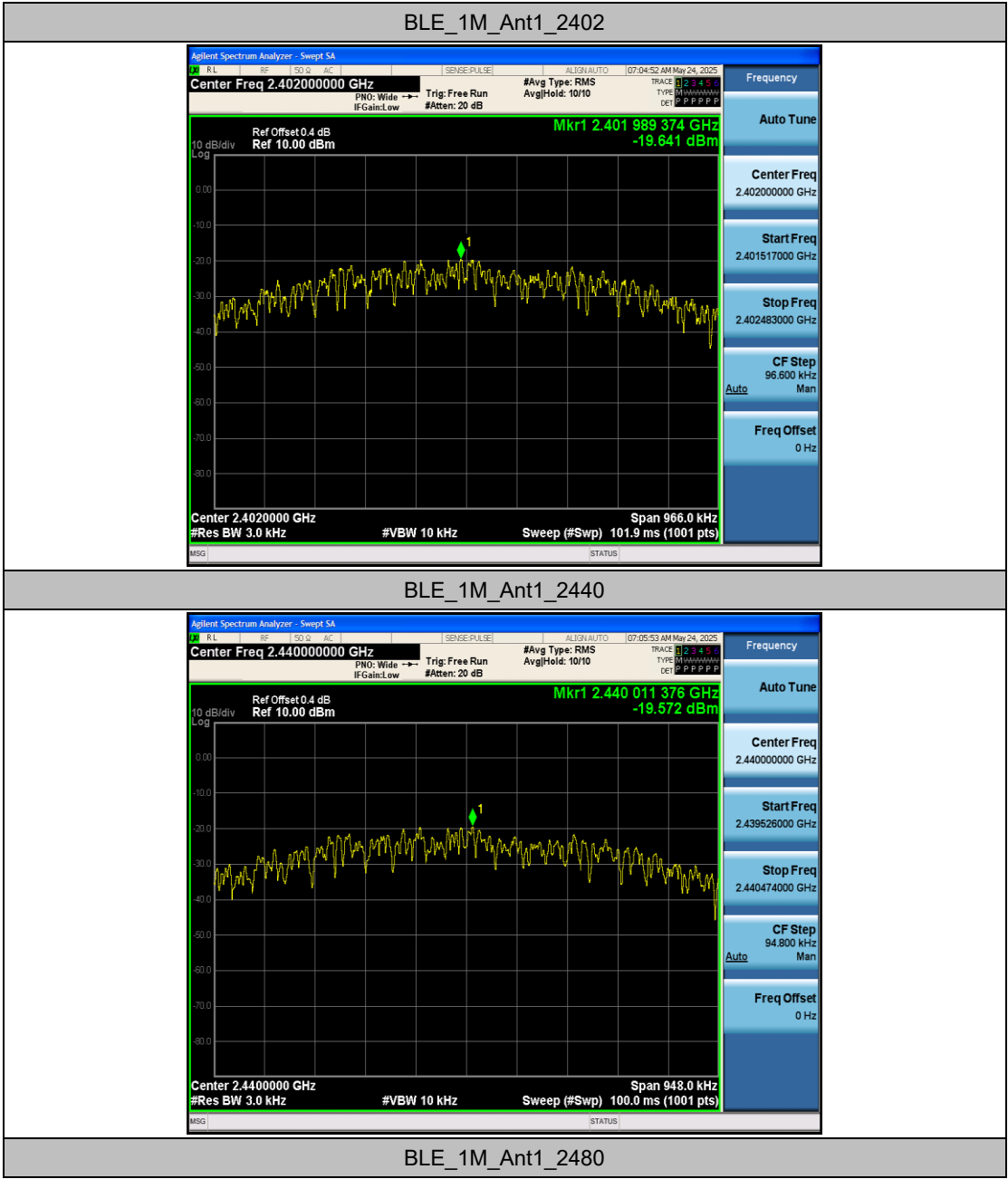
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.53	≤30	PASS
		2440	-3.75	≤30	PASS
		2480	-3.83	≤30	PASS

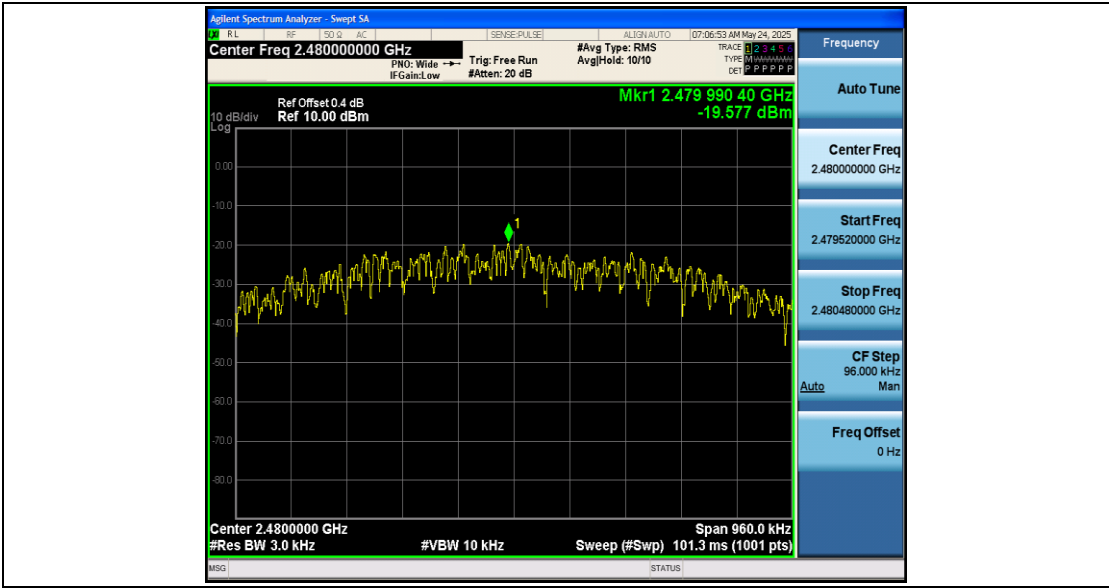
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.64	≤8.00	PASS
		2440	-19.57	≤8.00	PASS
		2480	-19.58	≤8.00	PASS

Test Graphs



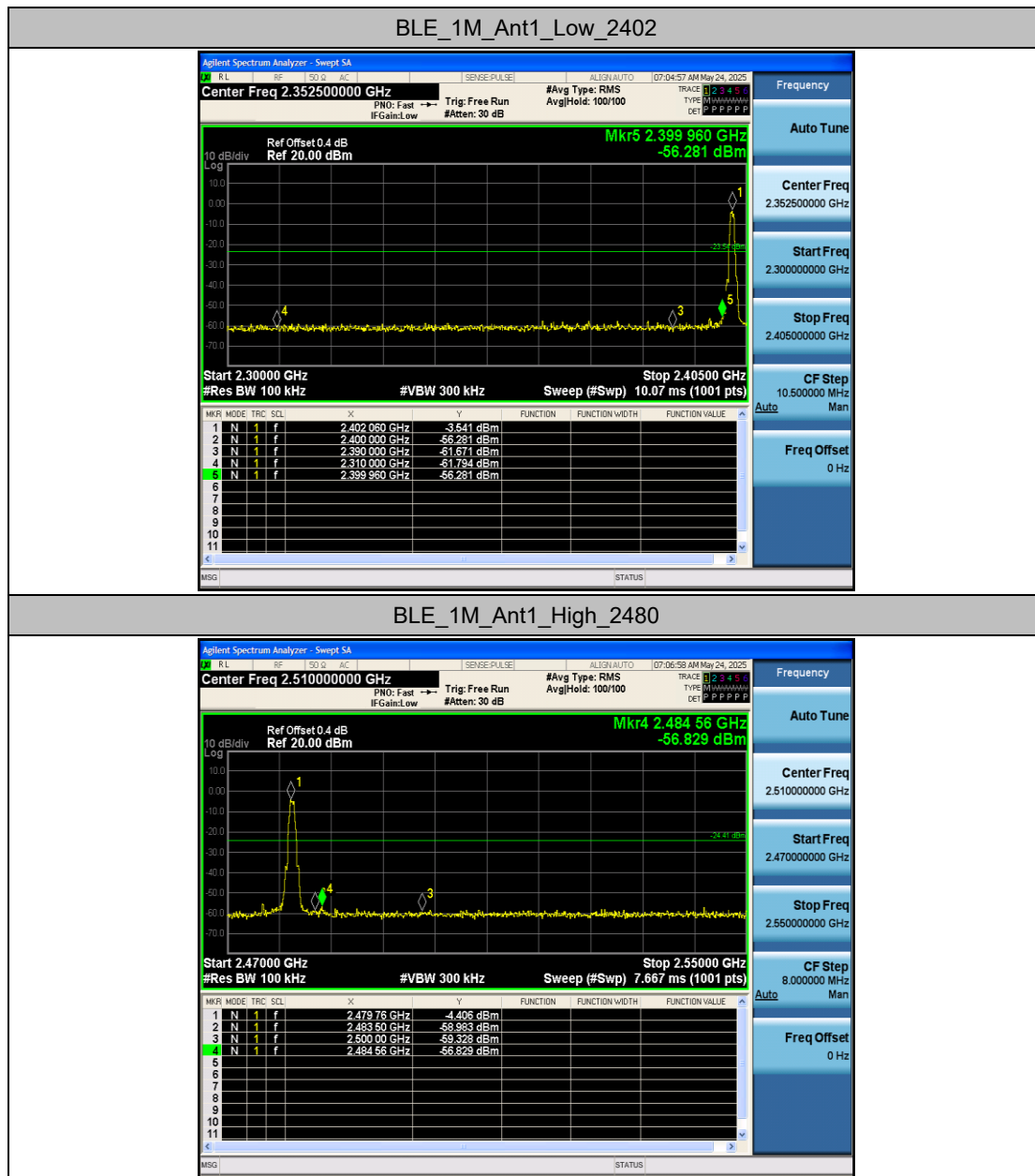


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.54	-56.28	≤ -23.54	PASS
		High	2480	-4.41	-56.83	≤ -24.41	PASS

Test Graphs

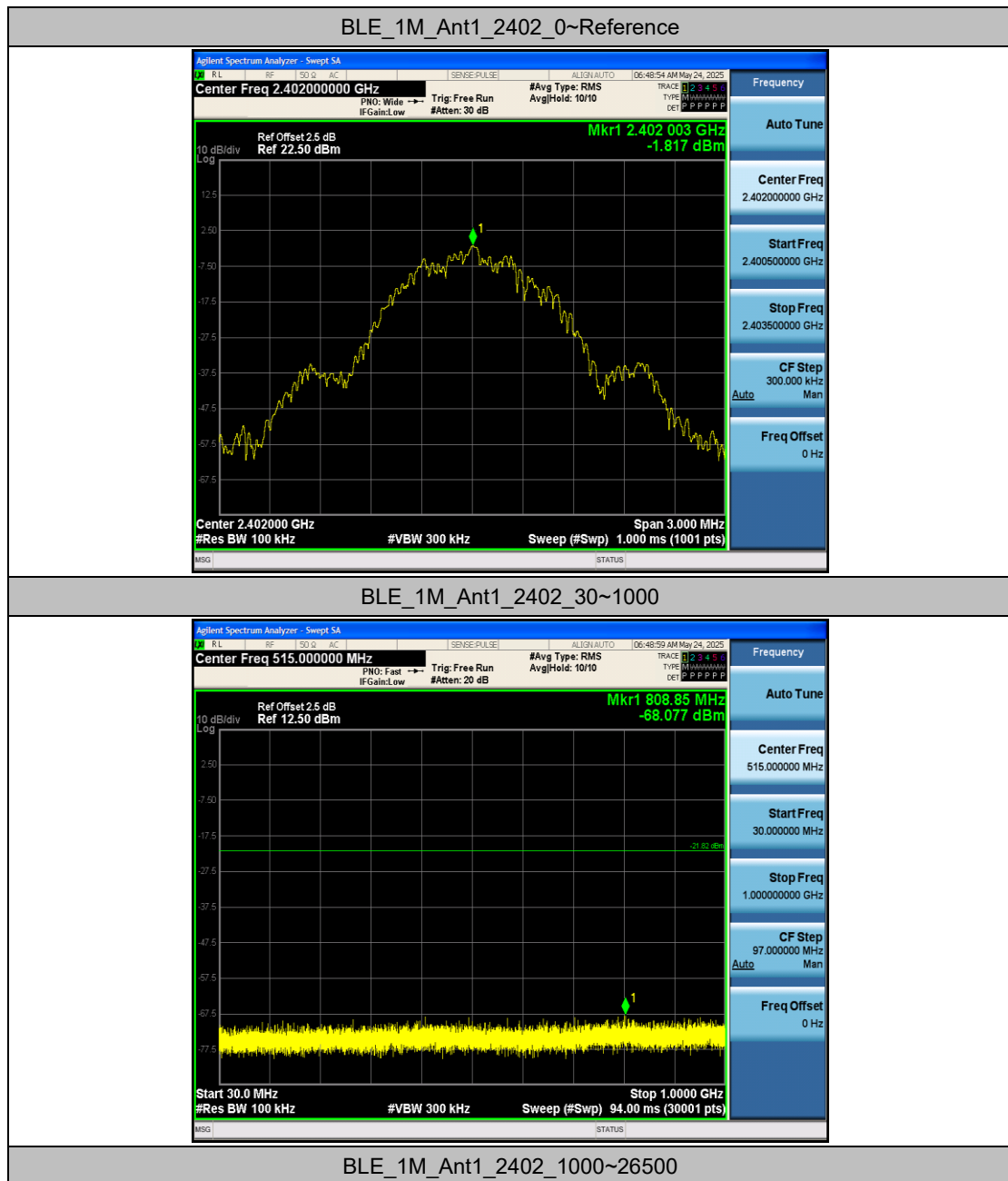


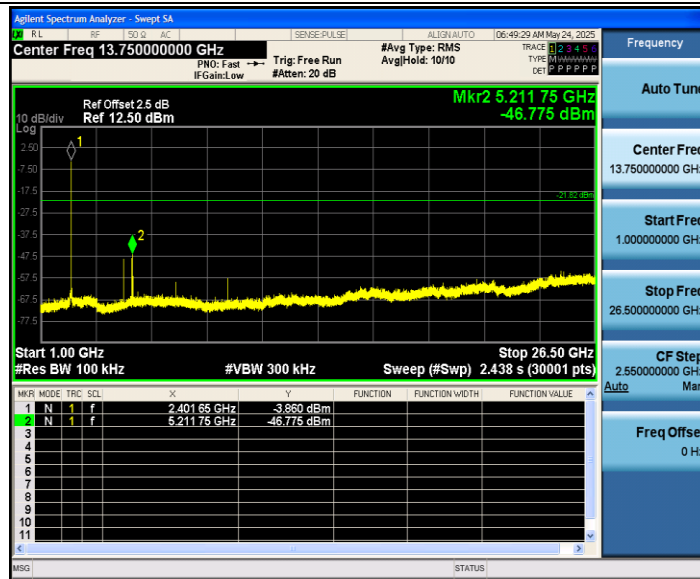
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-68.08	≤-21.82	PASS
			1000~26500	-1.82	-46.78	≤-21.82	PASS
		2440	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-67.63	≤-23.22	PASS
			1000~26500	-3.22	-46.21	≤-23.22	PASS
		2480	Reference	-3.67	-3.67	---	PASS
			30~1000	-3.67	-67.86	≤-23.67	PASS
			1000~26500	-3.67	-46.65	≤-23.67	PASS

Test Graphs

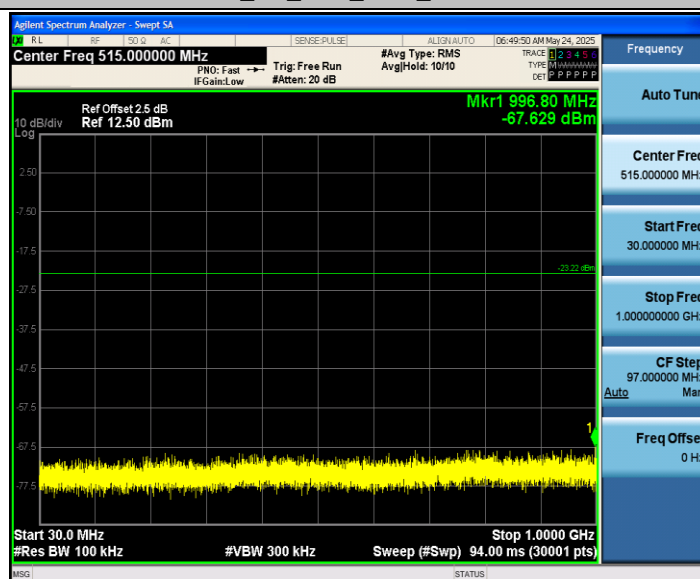




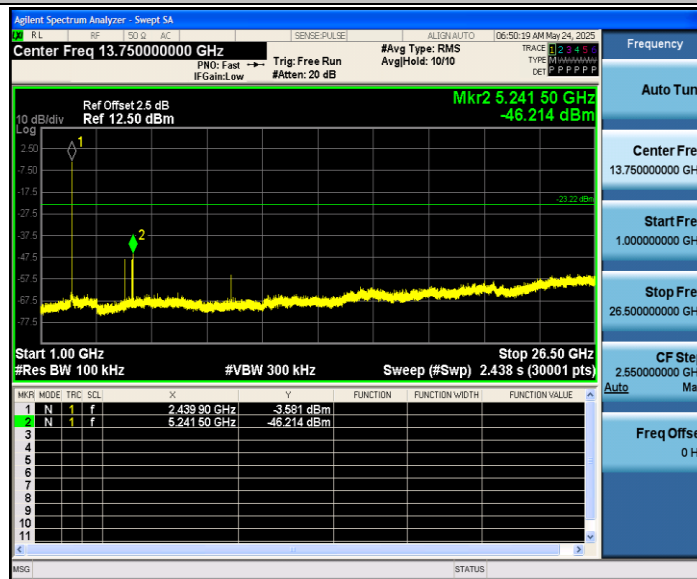
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



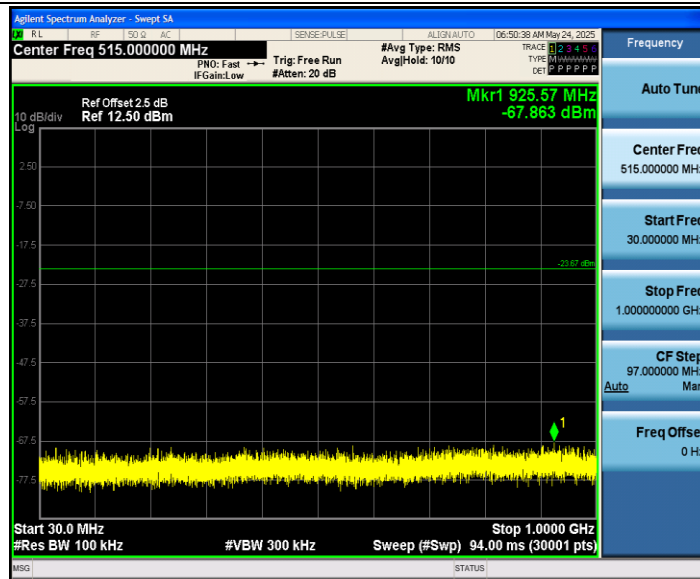
BLE_1M_Ant1_2440_1000~26500



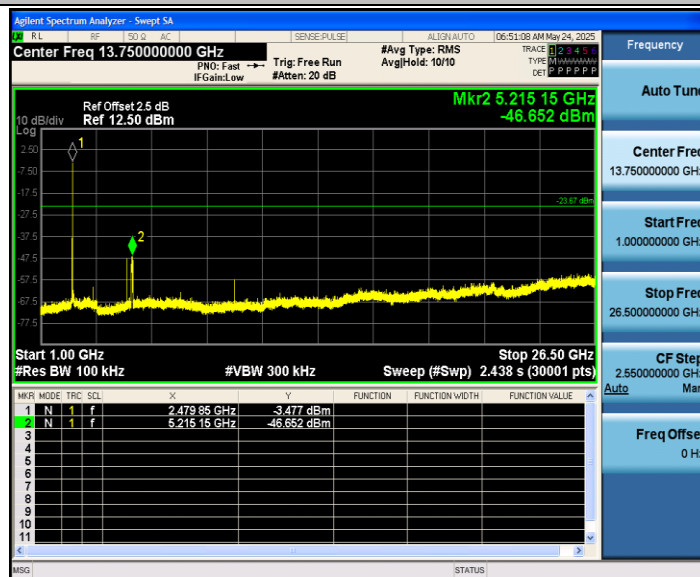
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

