

Appendix I BLE Test Data**Applicant:** HUIZHOU JUSTPRO MUSICAL INSTRUMENTS CO.,LIMITED**Report No:** DLE-251106013R**EUT:** Mini Guitar Amp**M/N:** Q-3M**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:** 2025.11.08**Test Engineer:** Ken Tan*Ken Tan*

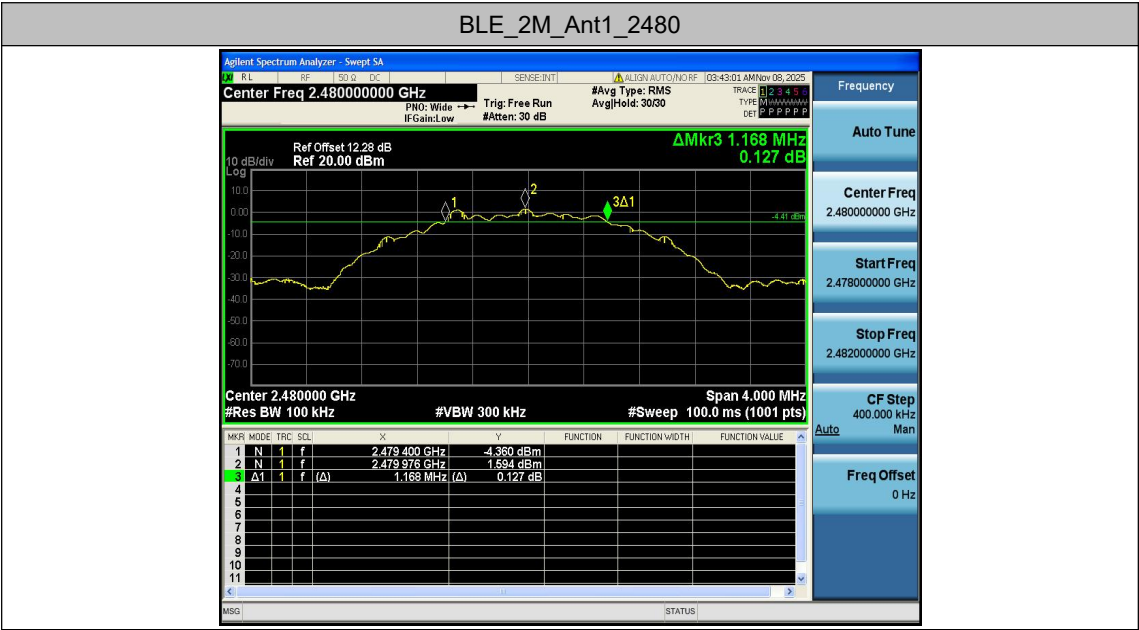
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.704	2401.640	2402.344	0.5	PASS
		2440	0.708	2439.640	2440.348	0.5	PASS
		2480	0.716	2479.624	2480.340	0.5	PASS
BLE_2M	Ant1	2402	1.164	2401.404	2402.568	0.5	PASS
		2440	1.164	2439.408	2440.572	0.5	PASS
		2480	1.168	2479.400	2480.568	0.5	PASS

Test Graphs



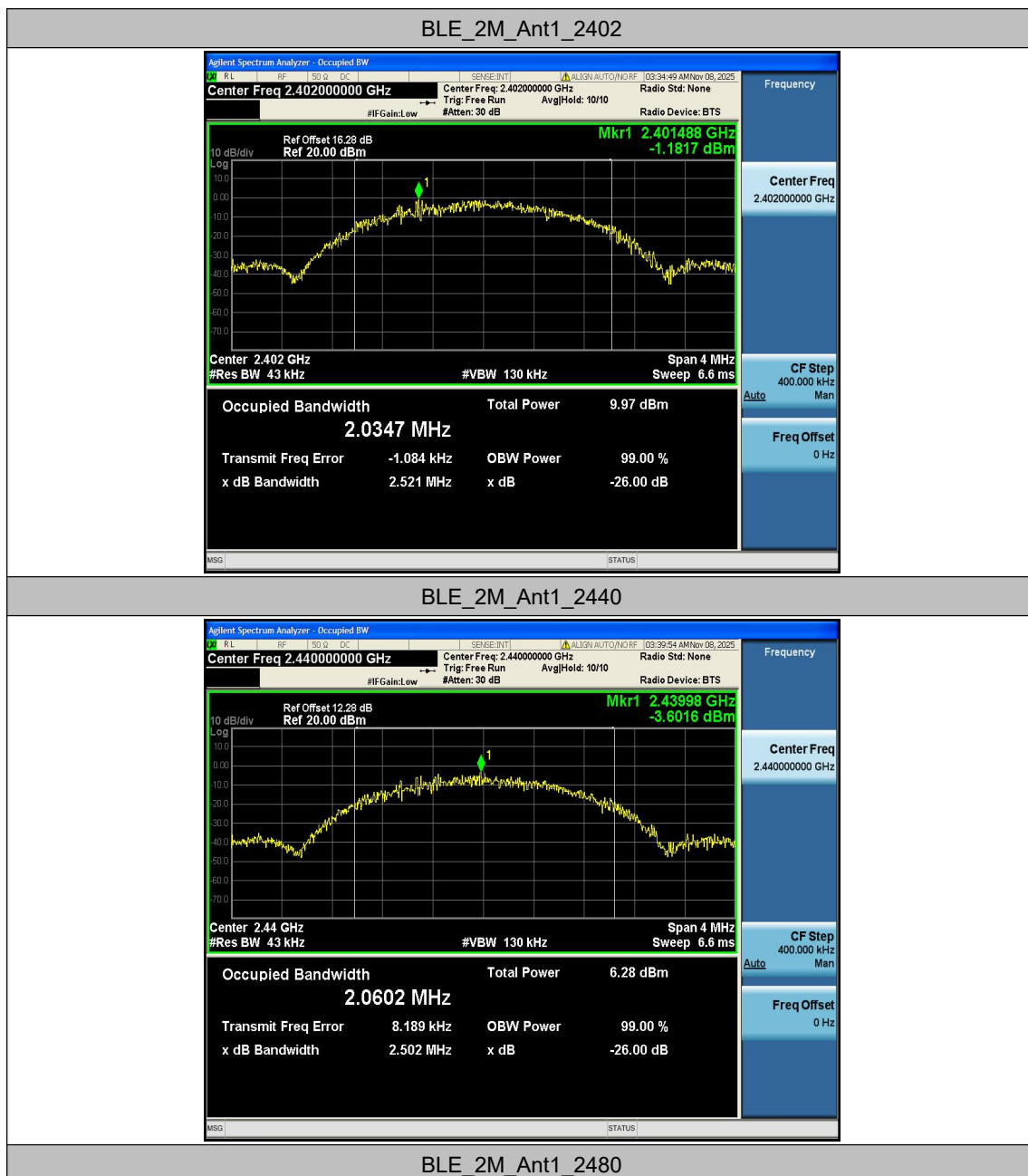


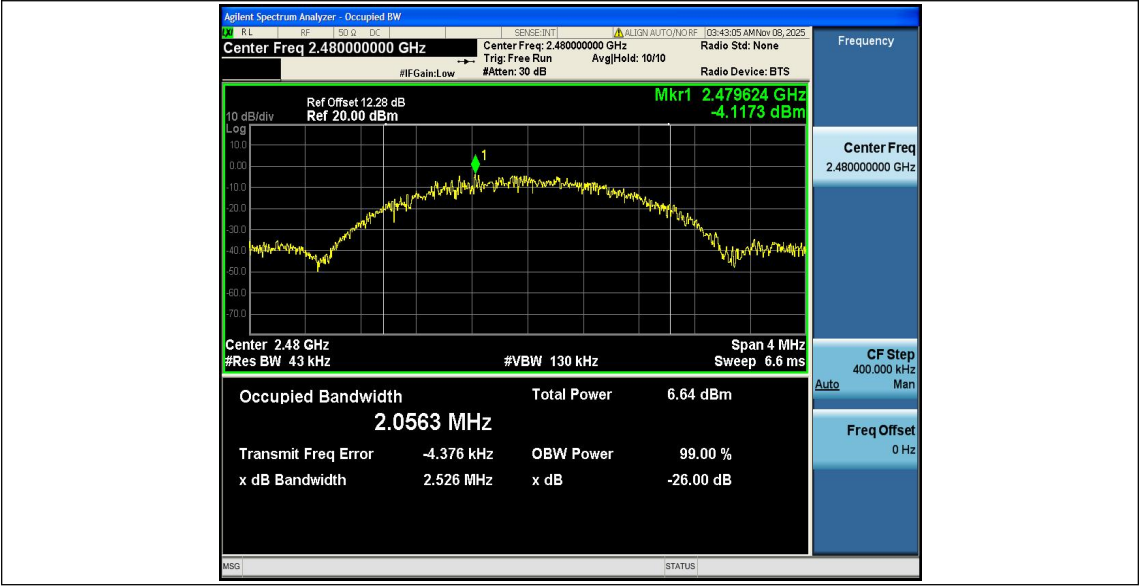
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0333	2401.486	2402.520	---	PASS
		2440	1.0372	2439.477	2440.515	---	PASS
		2480	1.0538	2479.472	2480.526	---	PASS
BLE_2M	Ant1	2402	2.0347	2400.9816	2403.0163	---	---
		2440	2.0602	2438.9781	2441.0383	---	---
		2480	2.0563	2478.9675	2481.0238	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.28	≤30	PASS
		2440	4.38	≤30	PASS
		2480	3.97	≤30	PASS
BLE_2M	Ant1	2402	6.22	≤30	PASS
		2440	2.51	≤30	PASS
		2480	3.10	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

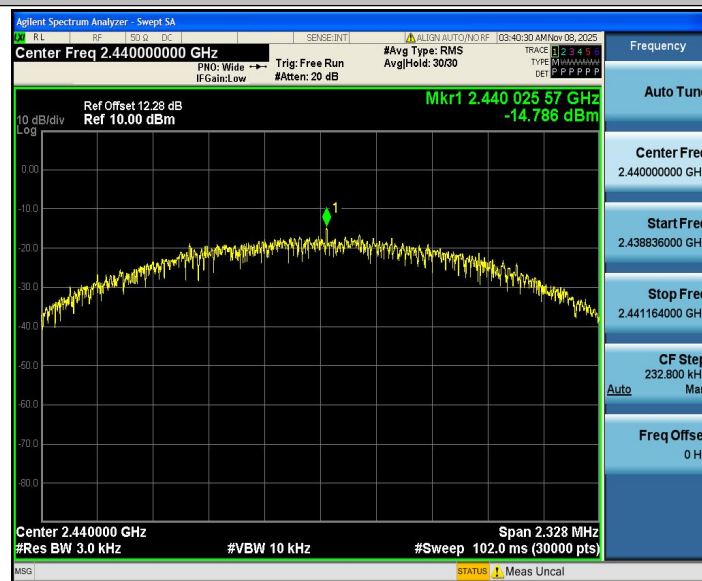
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.7	≤8	PASS
		2440	-11.81	≤8	PASS
		2480	-11.57	≤8	PASS
BLE_2M	Ant1	2402	-11.27	≤8.00	PASS
		2440	-14.79	≤8.00	PASS
		2480	-14.35	≤8.00	PASS

Test Graphs

BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

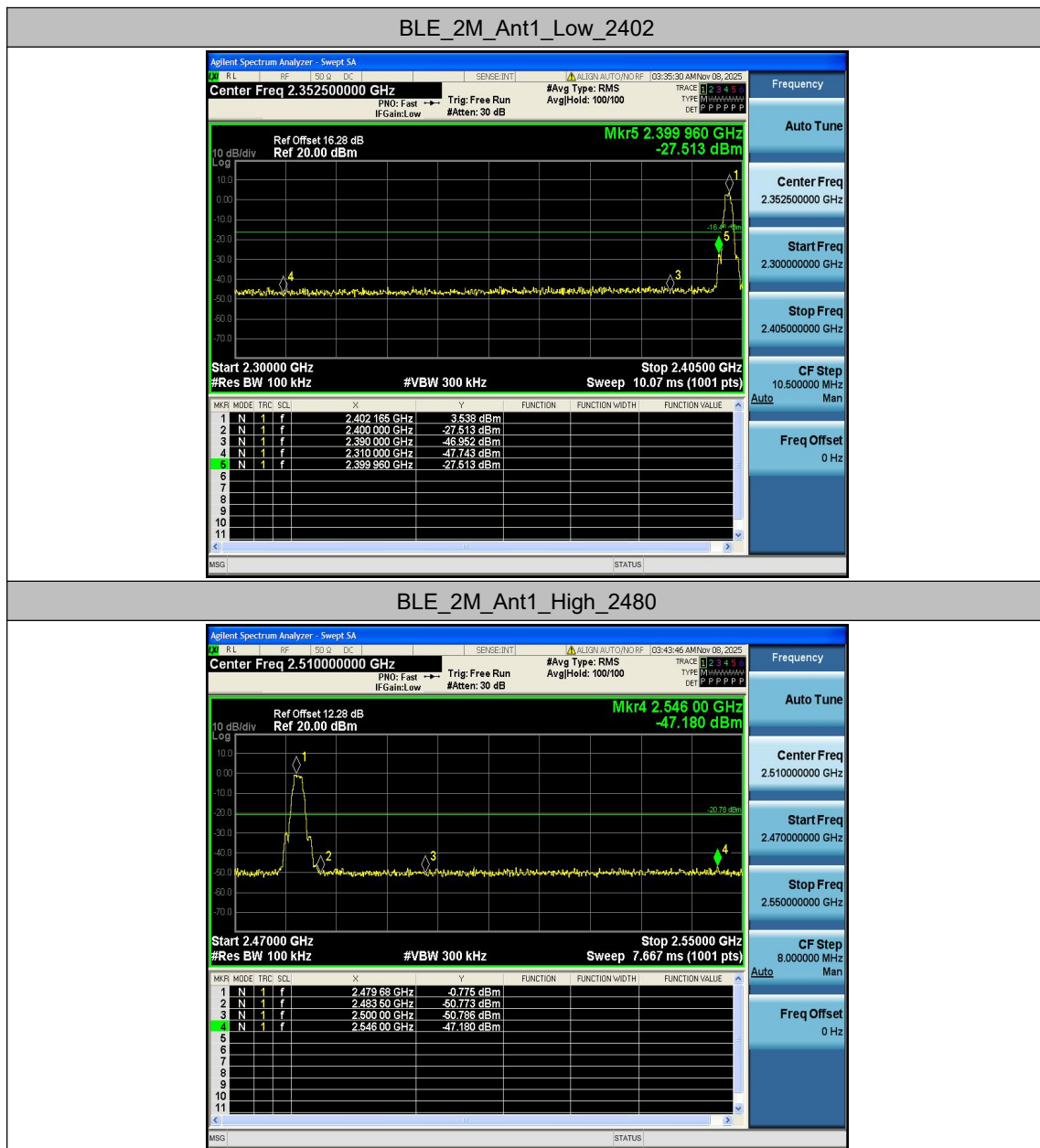


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.71	-41.97	≤-16.29	PASS
		High	2480	3.52	-43.43	≤-16.48	PASS
BLE_2M	Ant1	Low	2402	3.54	-27.51	≤-16.46	PASS
		High	2480	-0.78	-47.18	≤-20.78	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

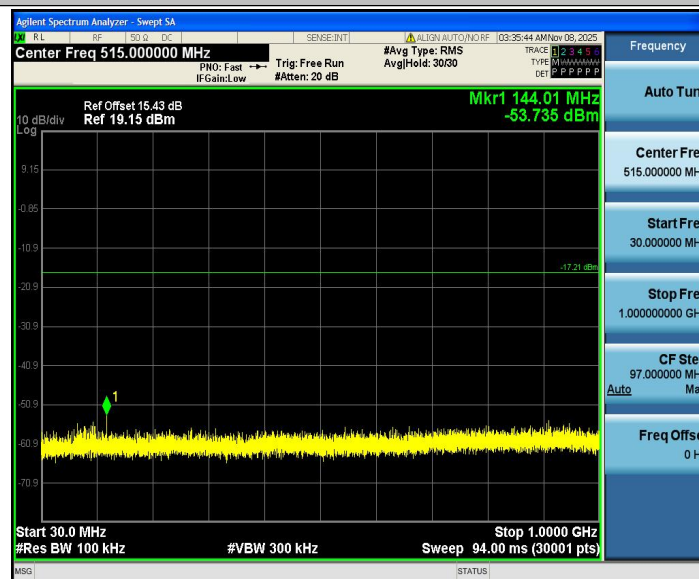
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.67	3.67	---	PASS
			30~1000	3.67	-61.69	≤-16.33	PASS
			1000~26500	3.67	-43.13	≤-16.33	PASS
		2440	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-61.46	≤-16.18	PASS
			1000~26500	3.82	-44.3	≤-16.18	PASS
		2480	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-62.01	≤-16.63	PASS
			1000~26500	3.37	-45.83	≤-16.63	PASS
BLE_2M	Ant1	2402	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-53.74	≤-17.21	PASS
			1000~26500	2.79	-31.5	≤-17.21	PASS
		2440	Reference	-1.10	-1.10	---	PASS
			30~1000	-1.10	-57.62	≤-21.1	PASS
			1000~26500	-1.10	-31.82	≤-21.1	PASS
		2480	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-58.76	≤-20.53	PASS
			1000~26500	-0.53	-35.38	≤-20.53	PASS

Test Graphs

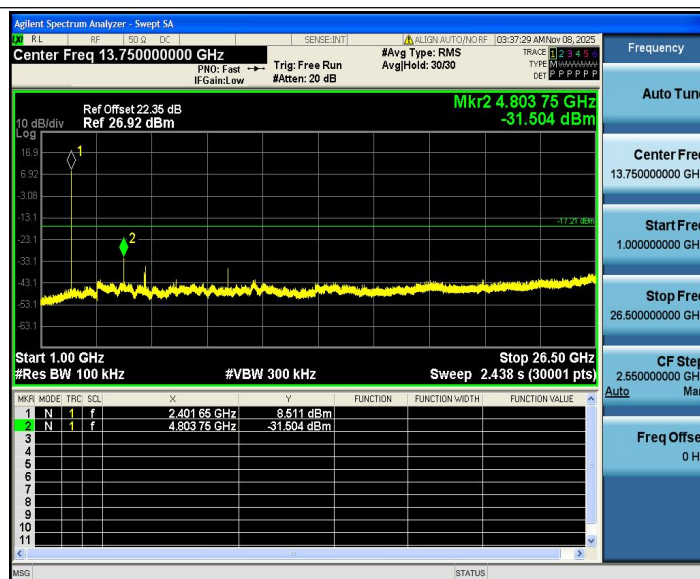
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



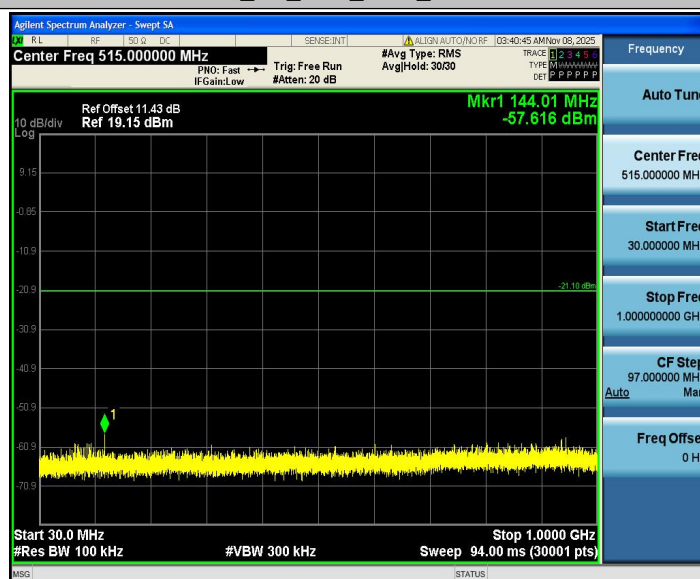
BLE_2M_Ant1_2402_1000~26500



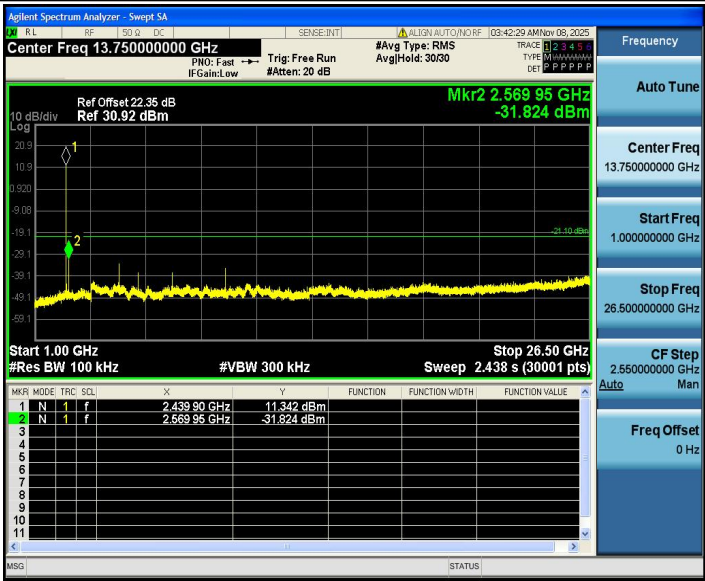
BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



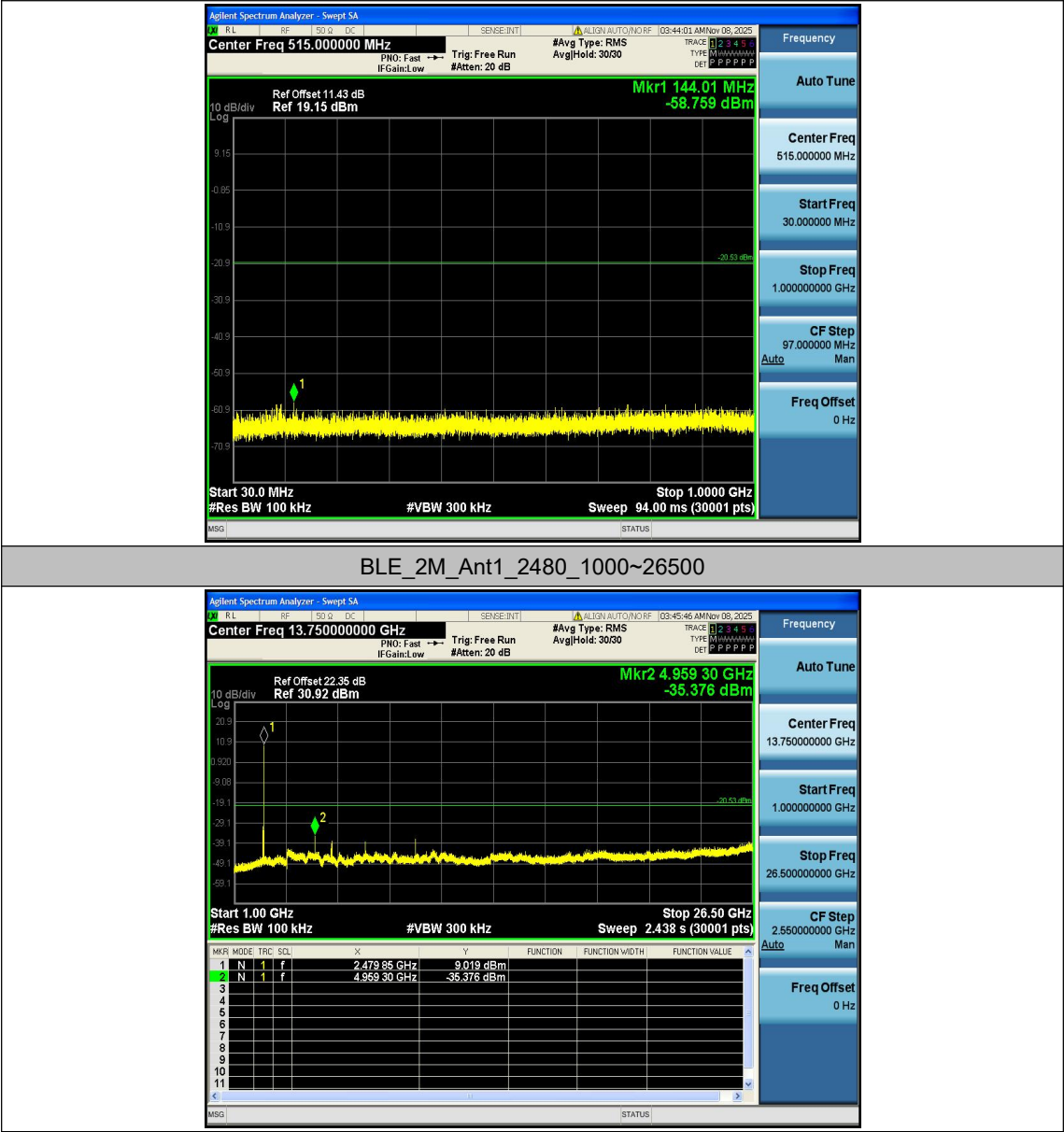
BLE_2M_Ant1_2440_1000~26500



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_1M	Ant1	2402	0.40	0.63	0.6349	63.49	1.97	---	PASS
		2440	0.40	0.63	0.6349	63.49	1.97	---	PASS
		2480	0.40	0.62	0.6452	64.52	1.90	---	PASS
BLE_2M	Ant1	2402	1.07	1.25	0.8560	85.60	0.68	---	---
		2440	1.08	1.25	0.8640	86.40	0.63	---	---
		2480	1.08	1.25	0.8640	86.40	0.63	---	---

Test Graphs

