

FCC Appendix RF Test Data for BLE

FCC ID : 2A3XN-SCORE8T

Company : Keefe Group

EUT : Tablet PC

Model Number : SCORE 814

Report No. : CTA26070300301

Reviewed By : Eric Wang

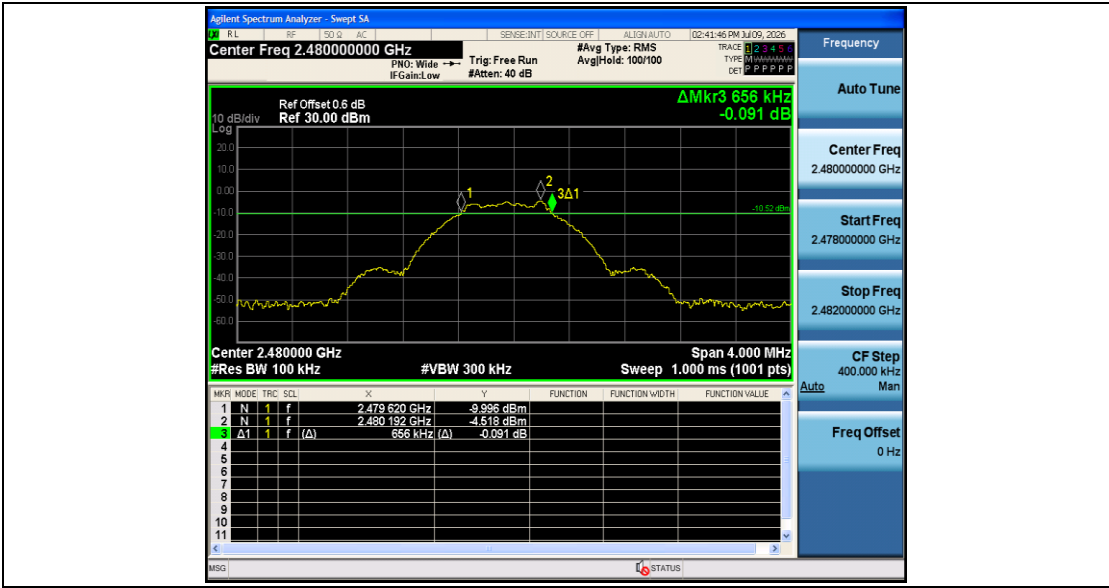
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.708	2401.600	2402.308	0.5	PASS
		2440	0.660	2439.628	2440.288	0.5	PASS
		2480	0.656	2479.620	2480.276	0.5	PASS

Test Graphs



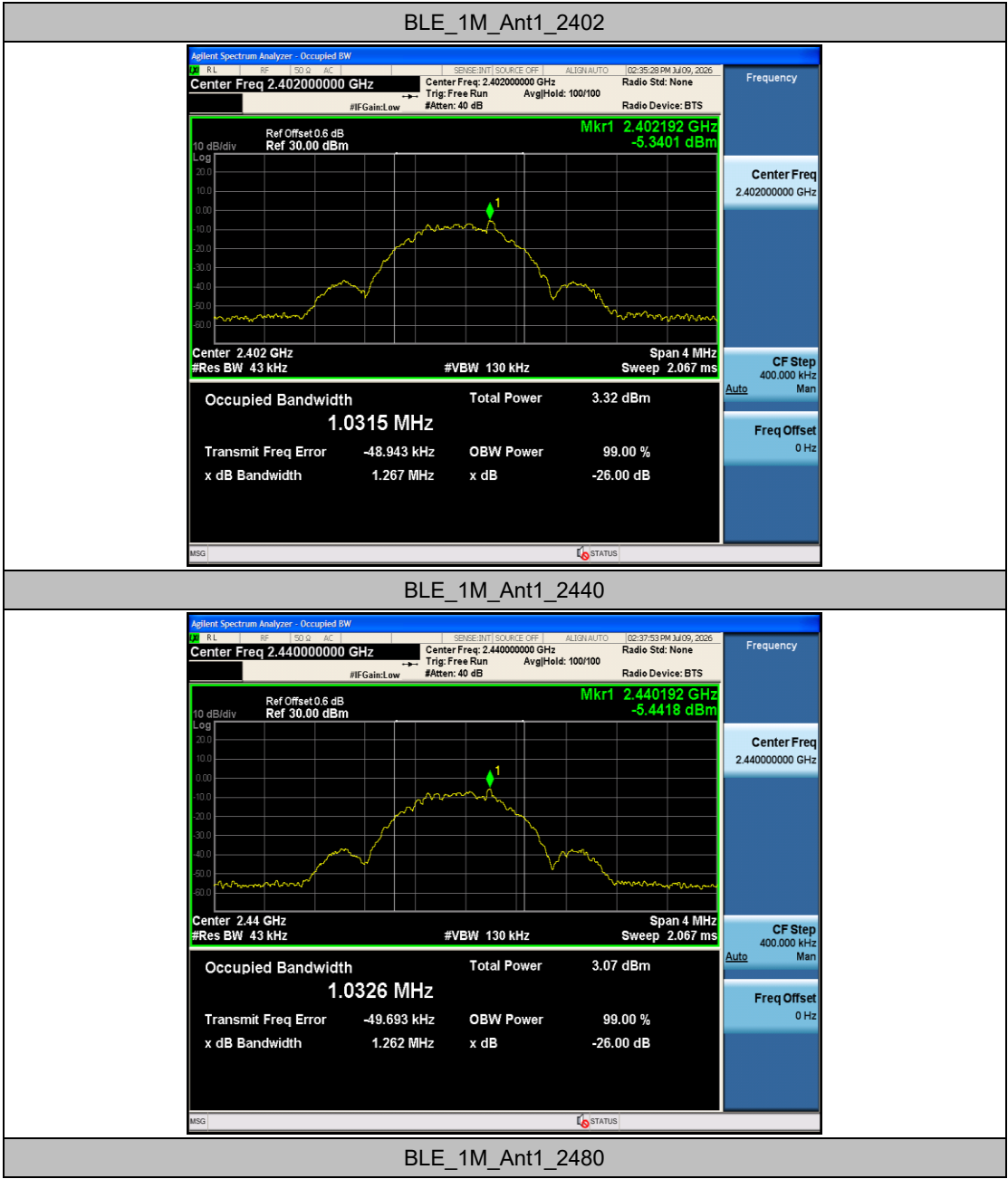


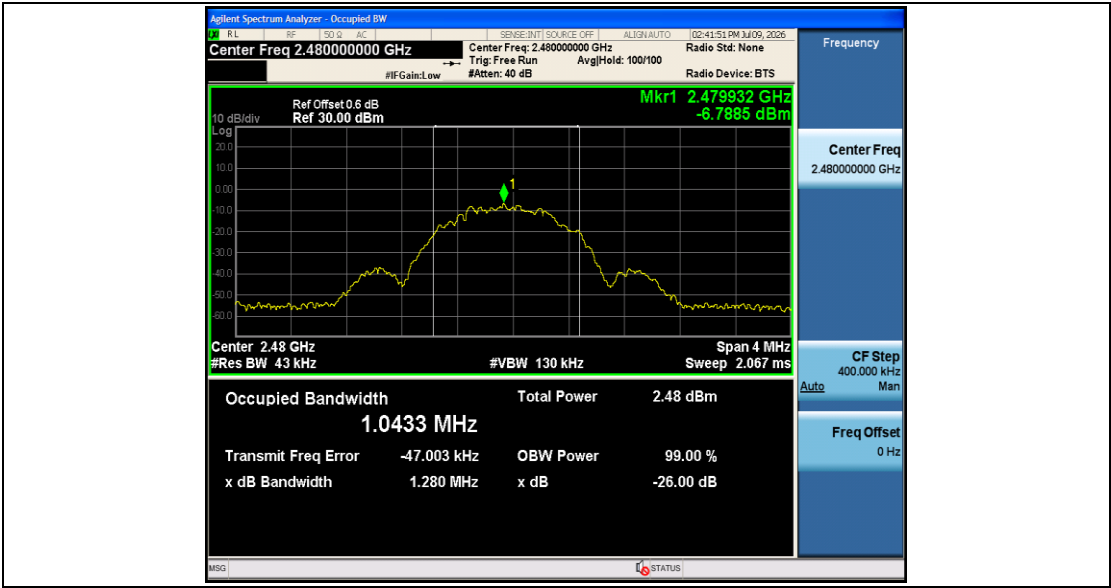
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0315	2401.4353	2402.4668	---	---
		2440	1.0326	2439.4340	2440.4666	---	---
		2480	1.0433	2479.4314	2480.4747	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

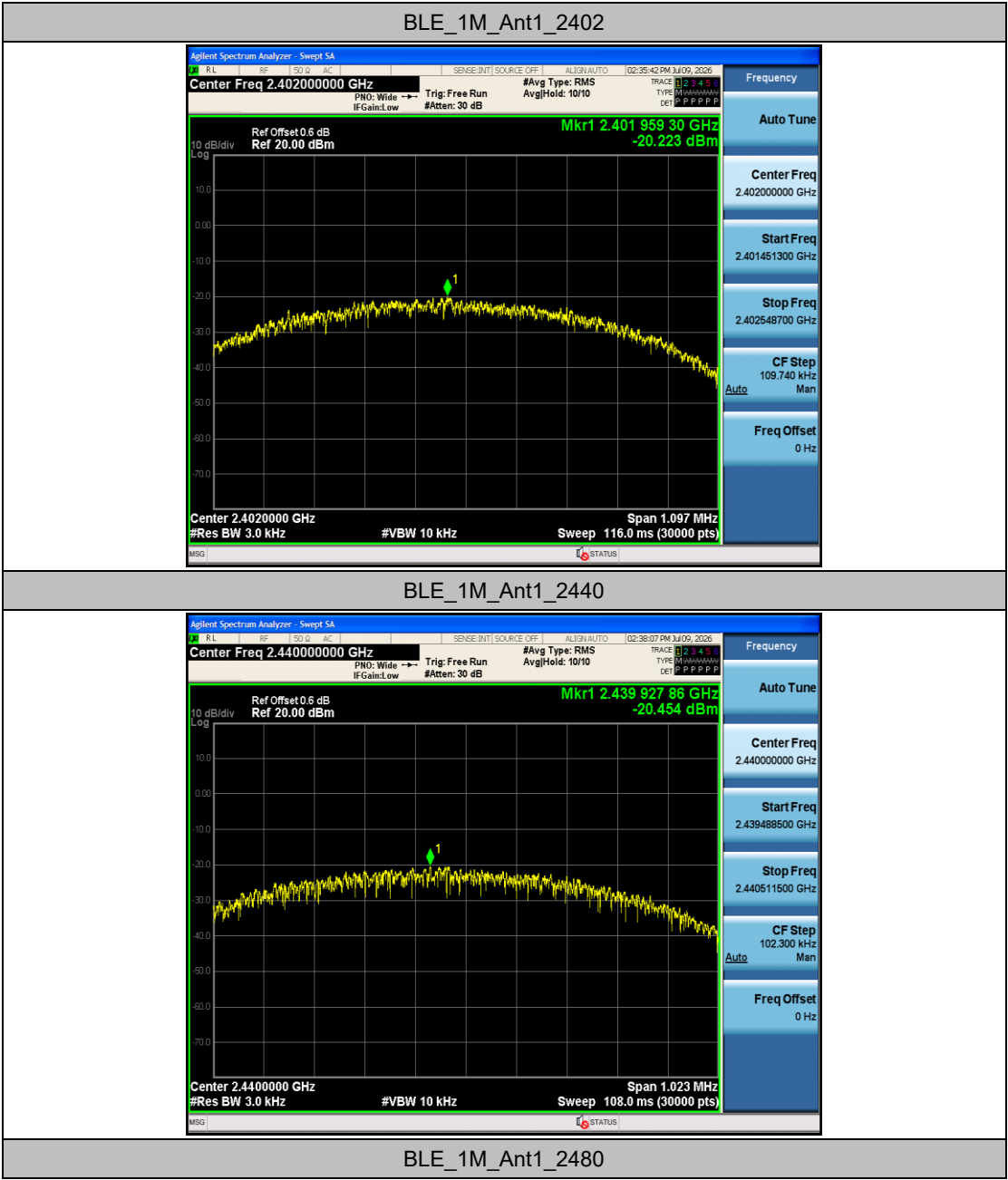
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.58	≤30	PASS
		2440	-3.78	≤30	PASS
		2480	-4.12	≤30	PASS

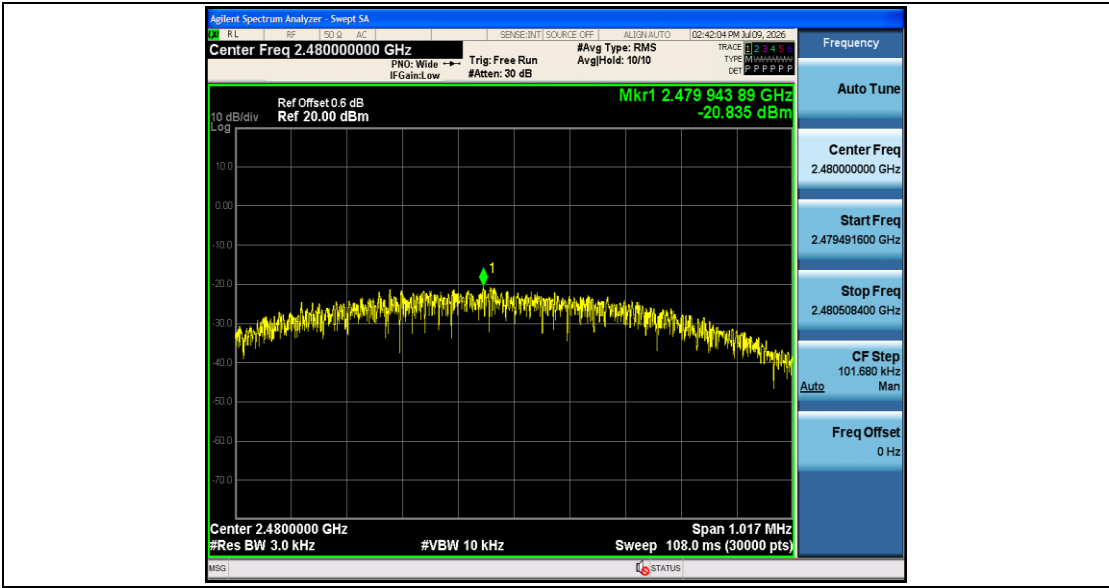
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.22	≤8.00	PASS
		2440	-20.45	≤8.00	PASS
		2480	-20.84	≤8.00	PASS

Test Graphs



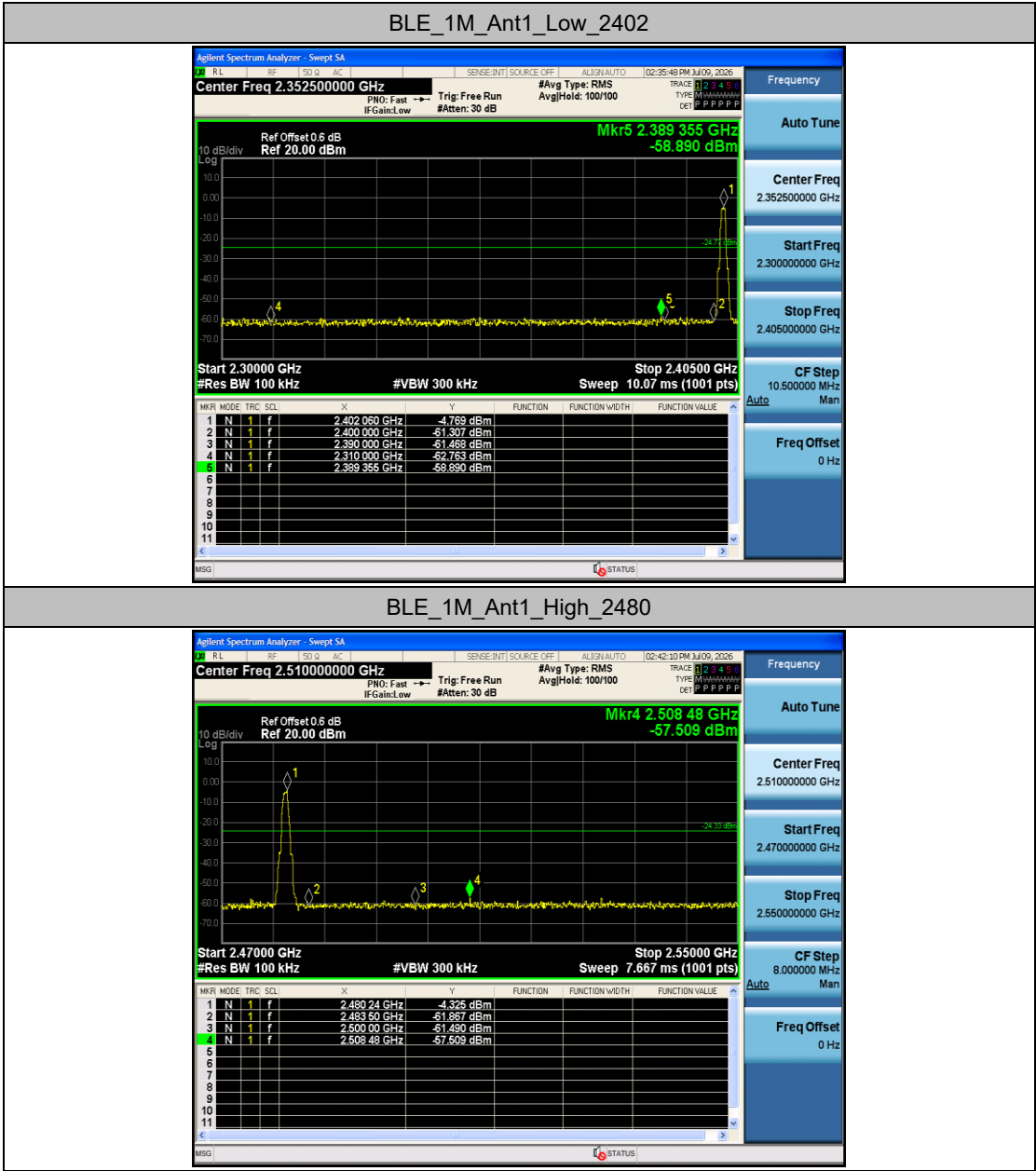


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.77	-58.89	≤-24.77	PASS
		High	2480	-4.33	-57.51	≤-24.33	PASS

Test Graphs

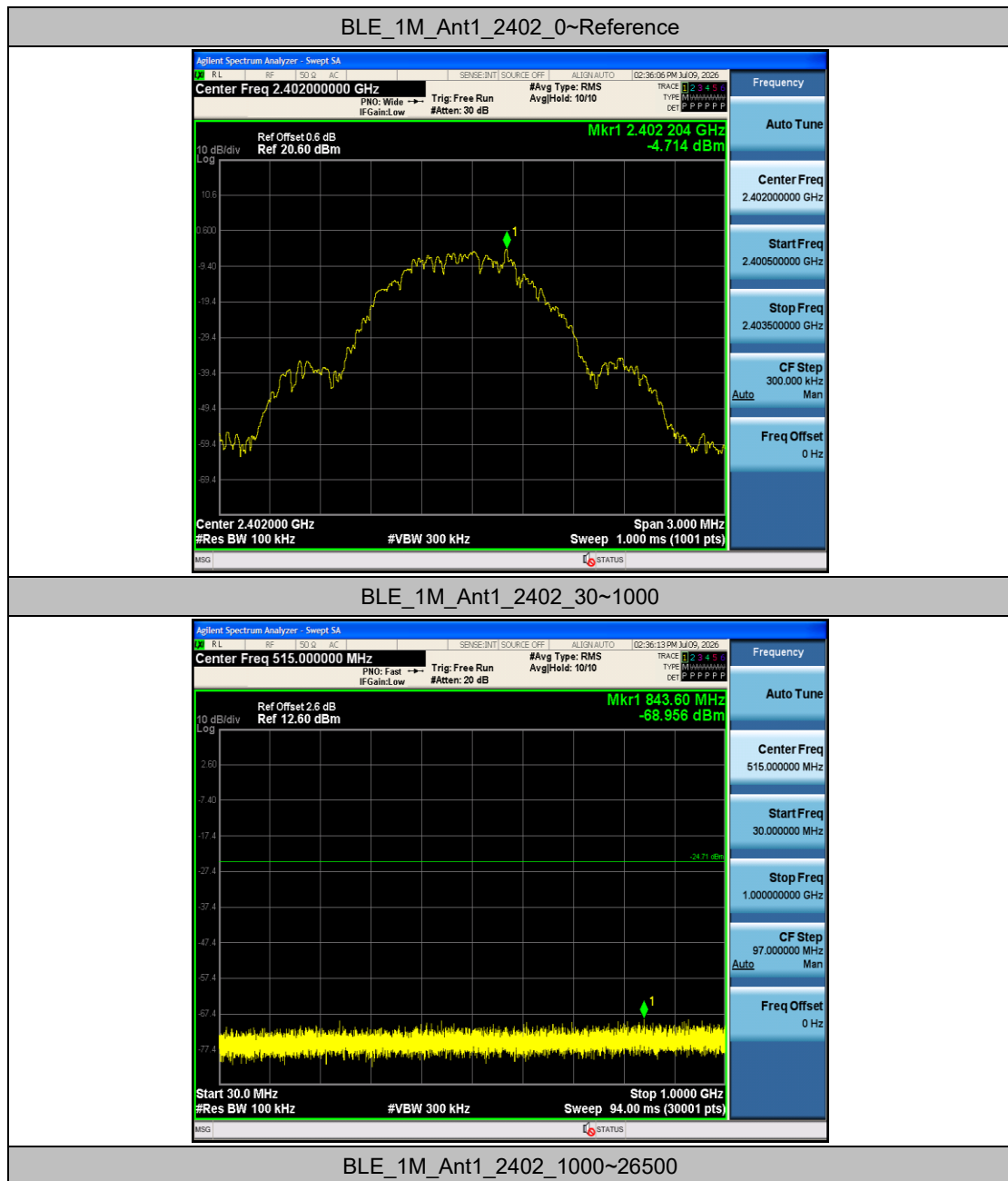


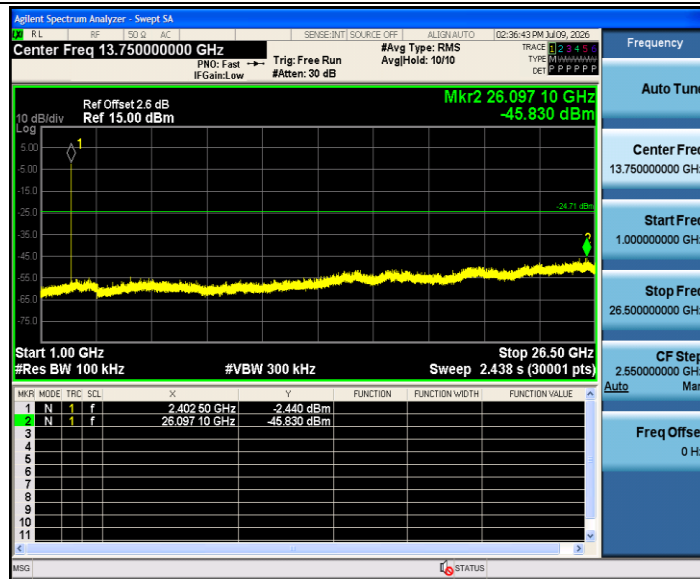
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-68.96	≤-24.71	PASS
			1000~26500	-4.71	-45.83	≤-24.71	PASS
		2440	Reference	-5.37	-5.37	---	PASS
			30~1000	-5.37	-68.9	≤-25.37	PASS
			1000~26500	-5.37	-46.5	≤-25.37	PASS
		2480	Reference	-5.55	-5.55	---	PASS
			30~1000	-5.55	-69.31	≤-25.55	PASS
			1000~26500	-5.55	-46.71	≤-25.55	PASS

Test Graphs

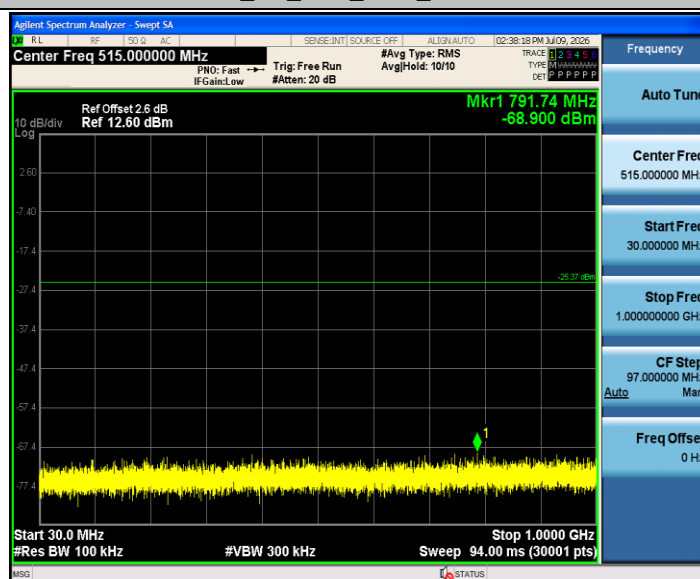




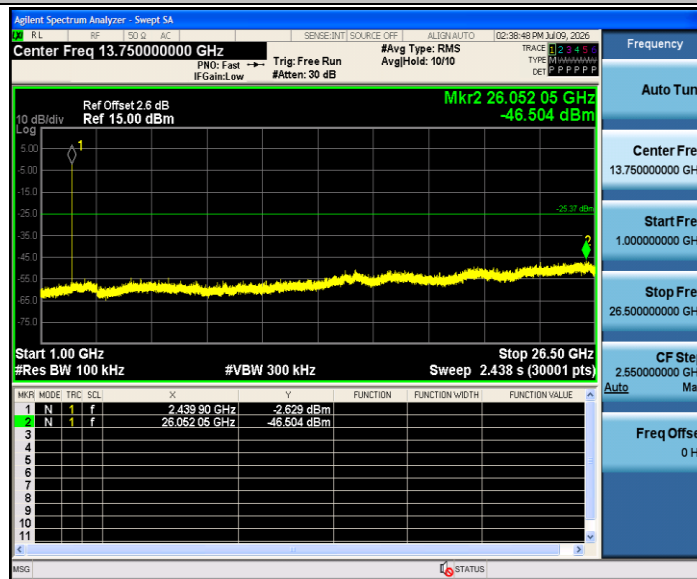
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



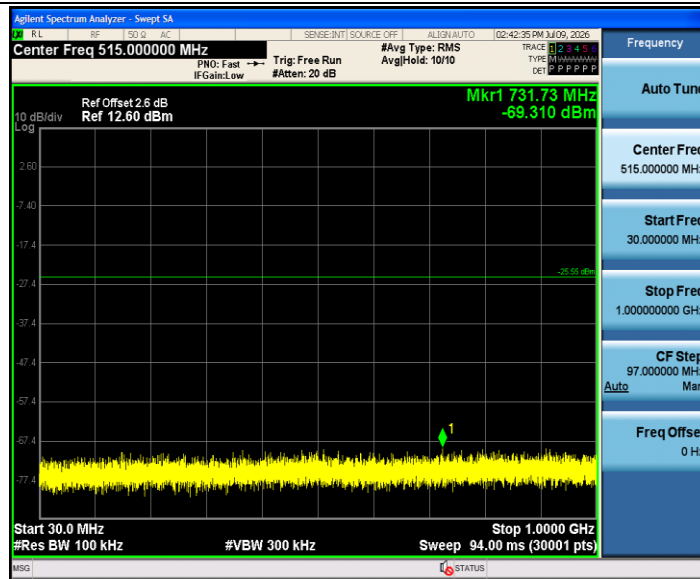
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

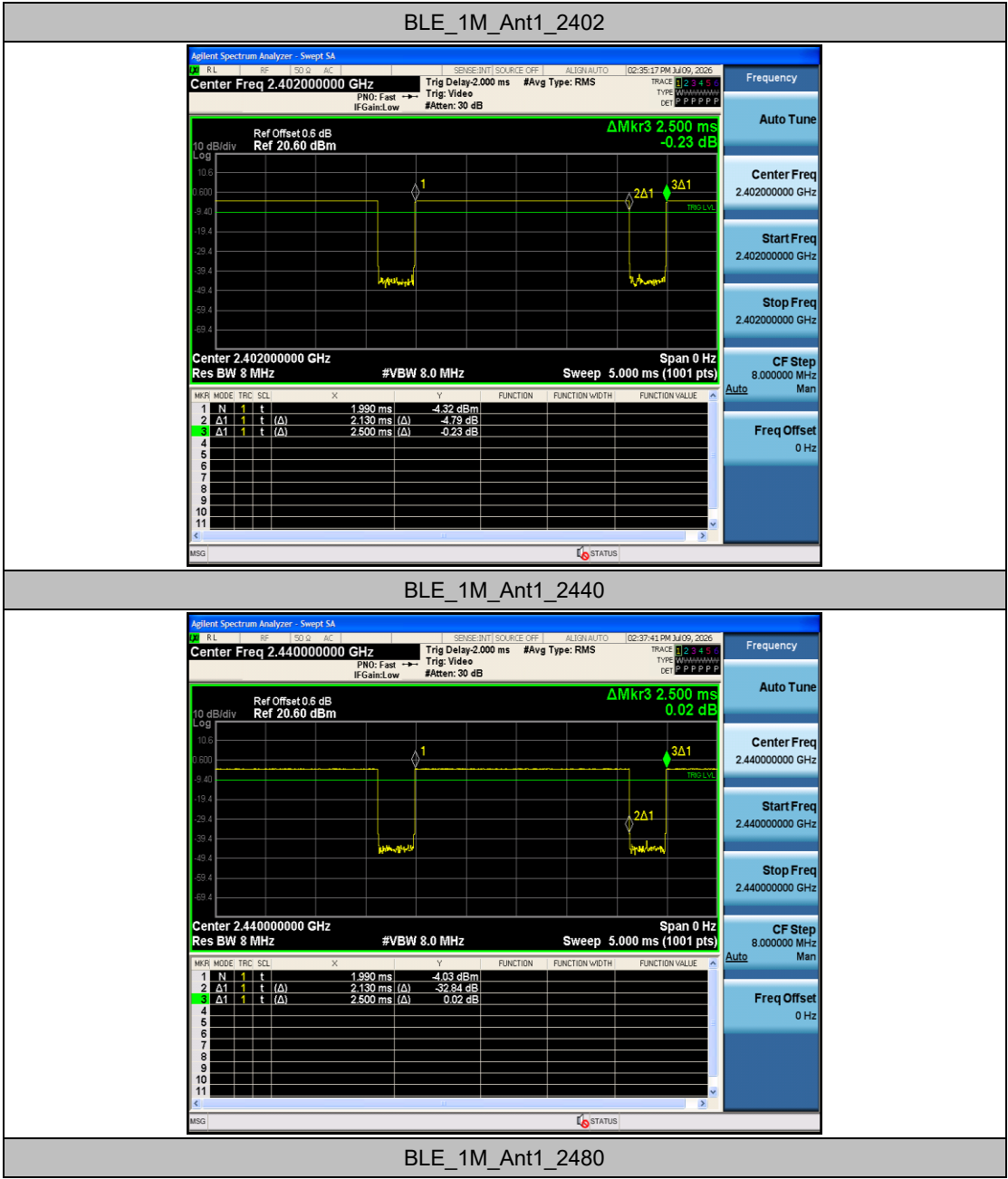


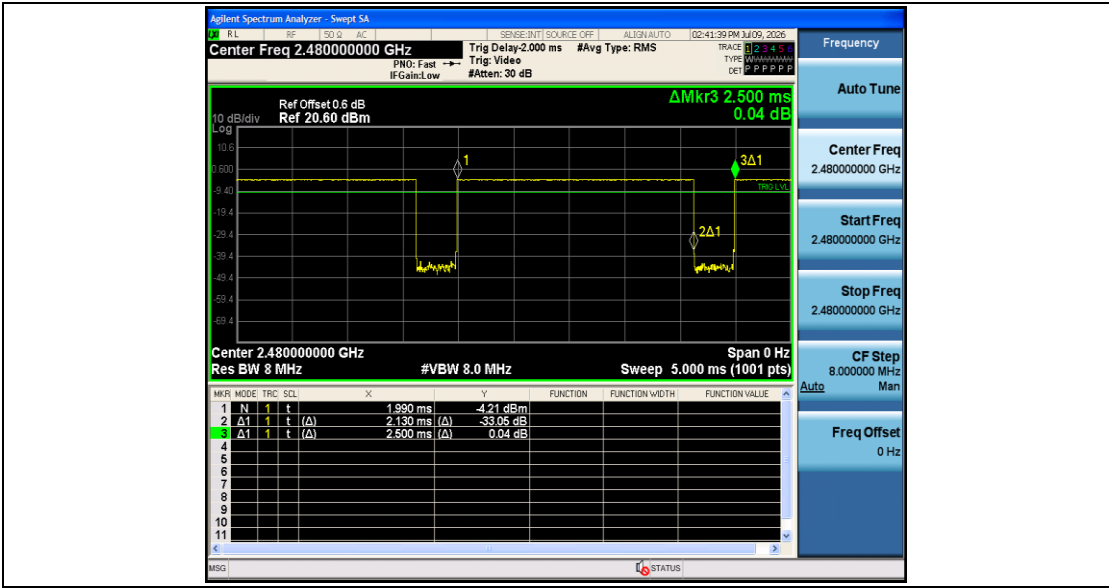
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	2.13	2.50	0.8520	85.20	0.70	---	---
		2440	2.13	2.50	0.8520	85.20	0.70	---	---
		2480	2.13	2.50	0.8520	85.20	0.70	---	---

Test Graphs





Appendix H: Emissions in Restricted Bands

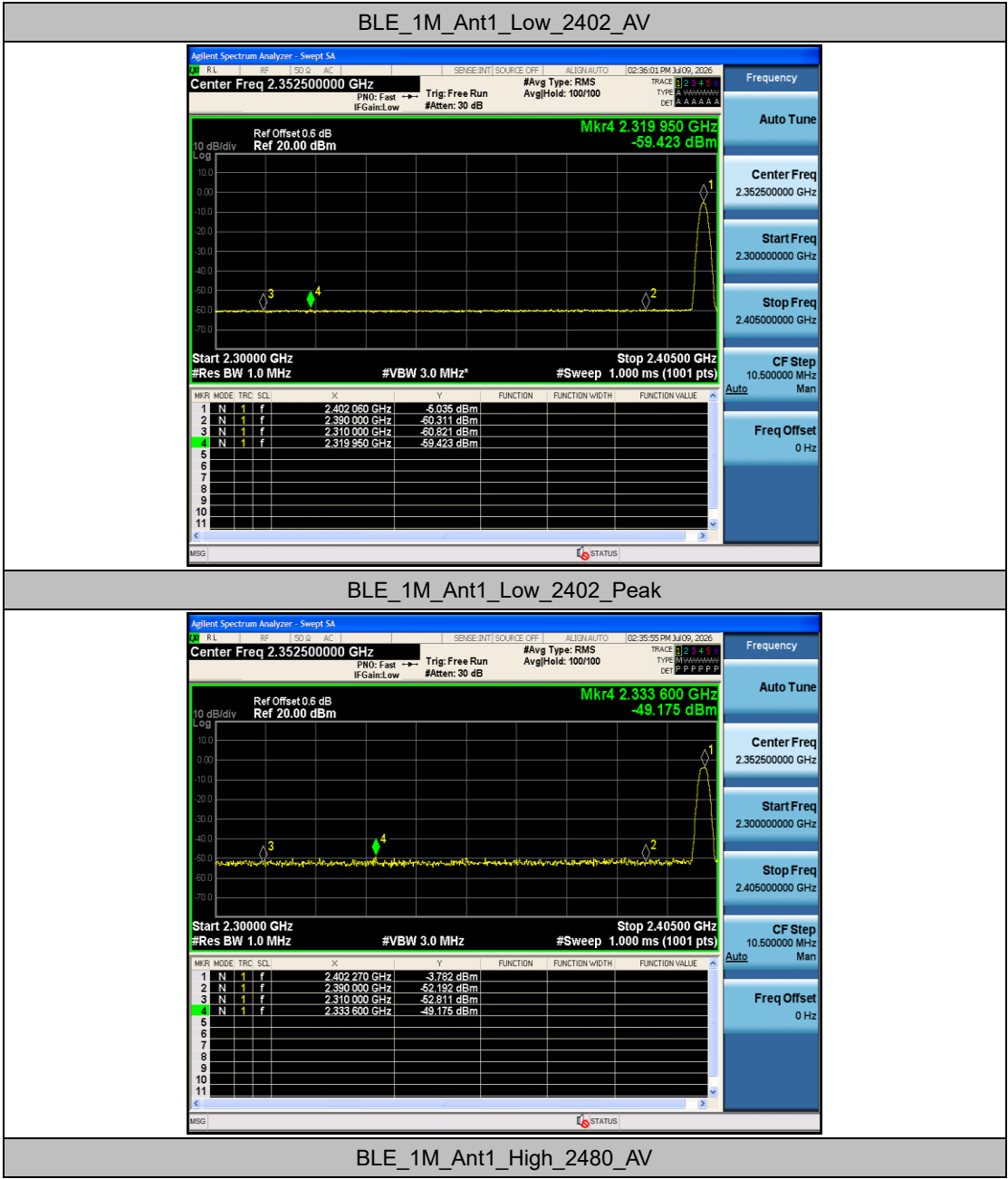
Test Result

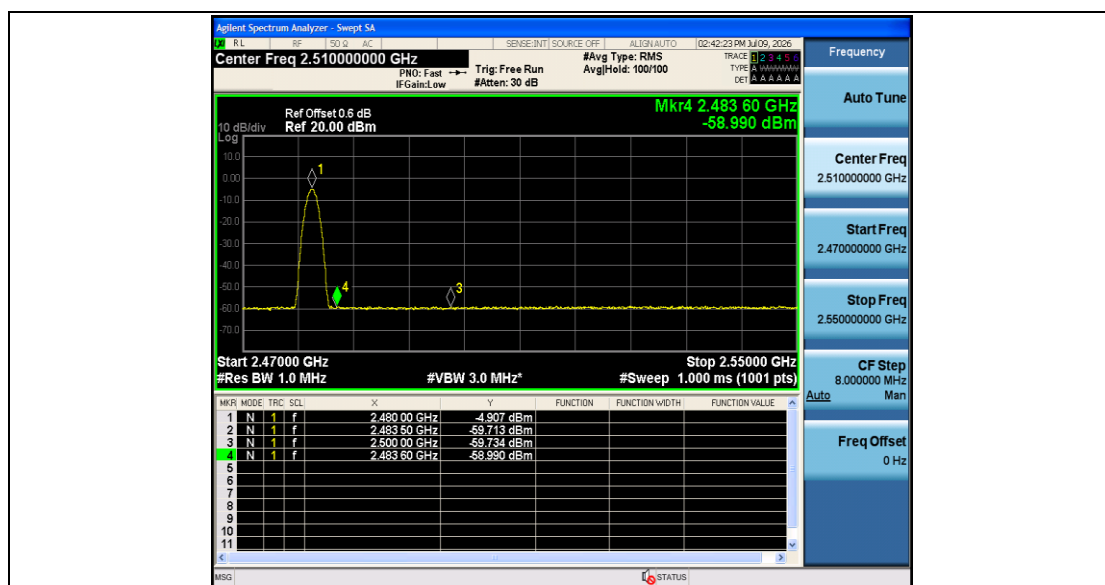
TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-60.82	2.82	0.70	37.9	≤54	PASS
				AV	2319.950	-59.42	2.82	0.70	39.3	≤54	PASS
				AV	2390.000	-60.31	2.82	0.70	38.41	≤54	PASS
				Peak	2310.000	-52.81	2.82	0.00	45.21	≤74	PASS
				Peak	2333.600	-49.17	2.82	0.00	48.85	≤74	PASS
				Peak	2390.000	-52.19	2.82	0.00	45.83	≤74	PASS
		High	2480	AV	2483.500	-59.71	2.82	0.70	39.01	≤54	PASS
				AV	2483.600	-58.99	2.82	0.70	39.73	≤54	PASS
				AV	2500.000	-59.73	2.82	0.70	38.99	≤54	PASS
				Peak	2483.500	-50.71	2.82	0.00	47.31	≤74	PASS
				Peak	2498.800	-48.84	2.82	0.00	49.18	≤74	PASS
				Peak	2500.000	-52.02	2.82	0.00	46.0	≤74	PASS

Note:

1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs





BLE_1M_Ant1_High_2480_Peak

