

FCC Appendix RF Test Data for BLE

FCC ID : 2BXI6-8D-10B

Company : Shantou Haodaole Electronic Technology Co., Ltd.

EUT : Multifunctional DJ Game Table

Model Number : 8D-10B

Report No. : CTA26080701201

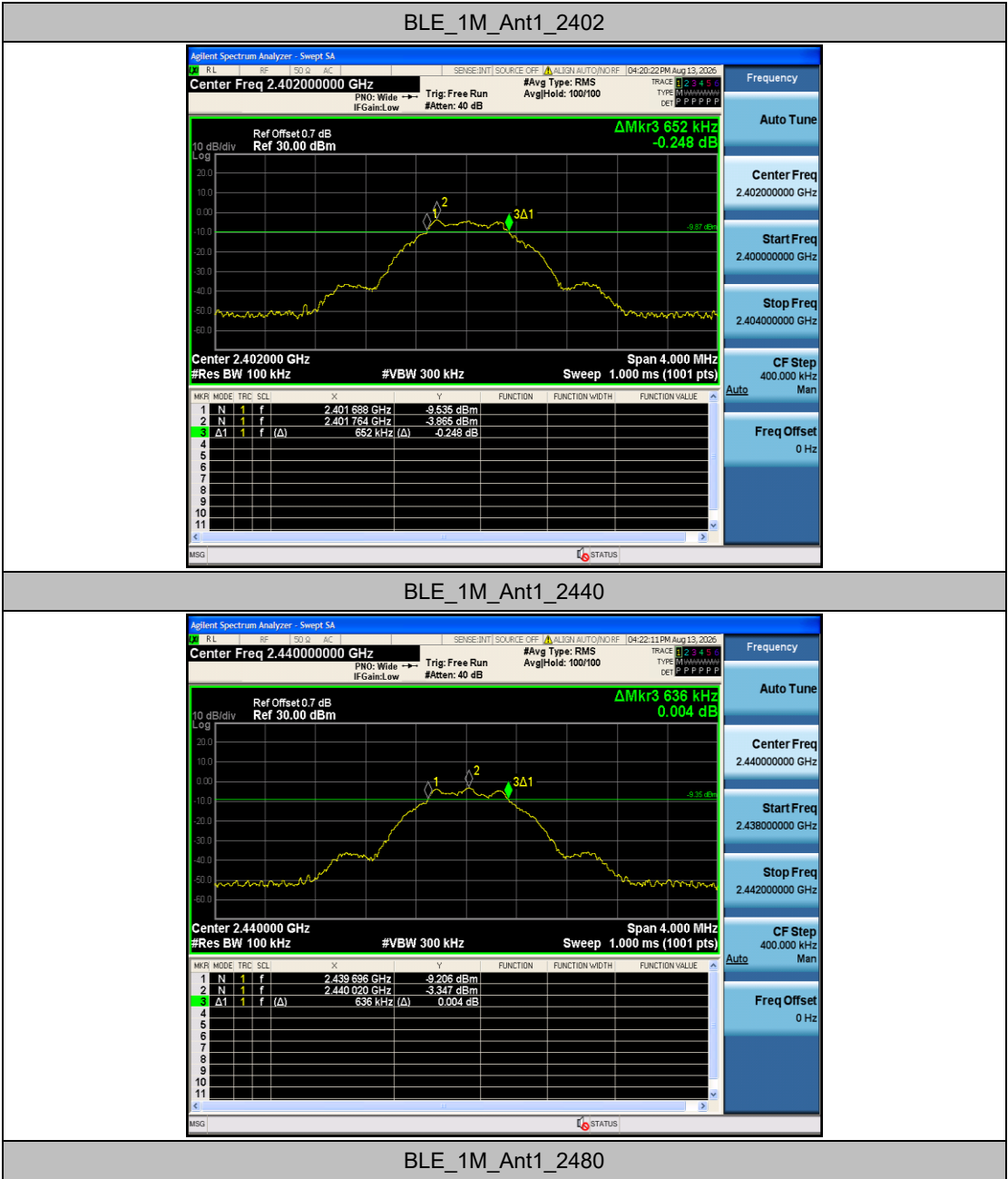
Reviewed By : Eric Wang

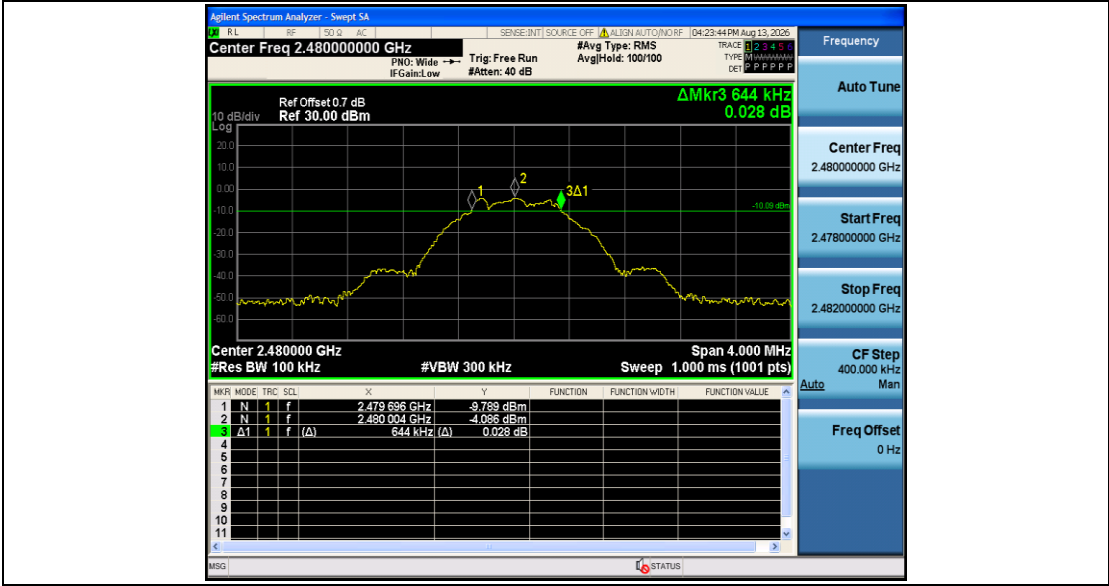
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.688	2402.340	0.5	PASS
		2440	0.636	2439.696	2440.332	0.5	PASS
		2480	0.644	2479.696	2480.340	0.5	PASS

Test Graphs



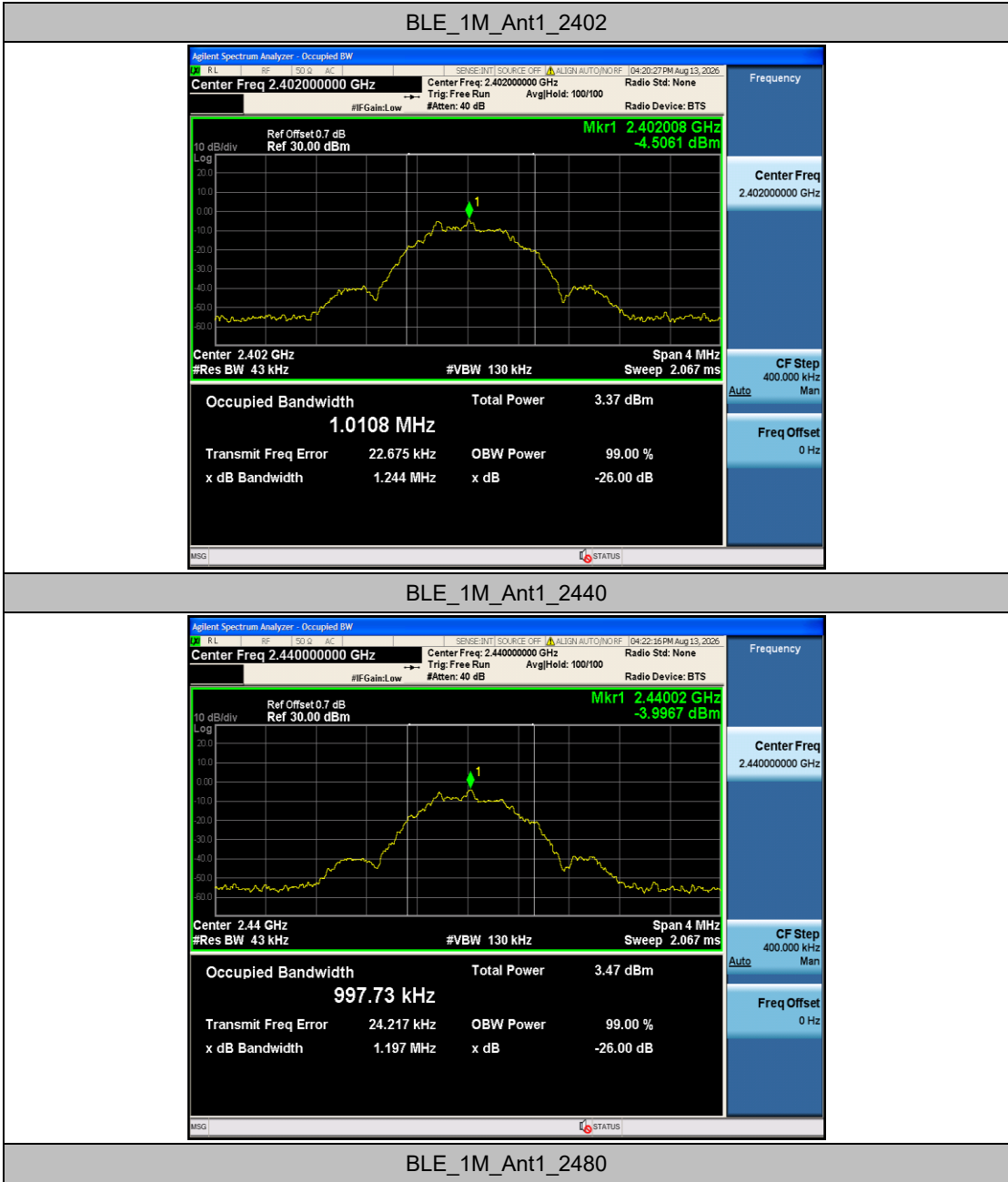


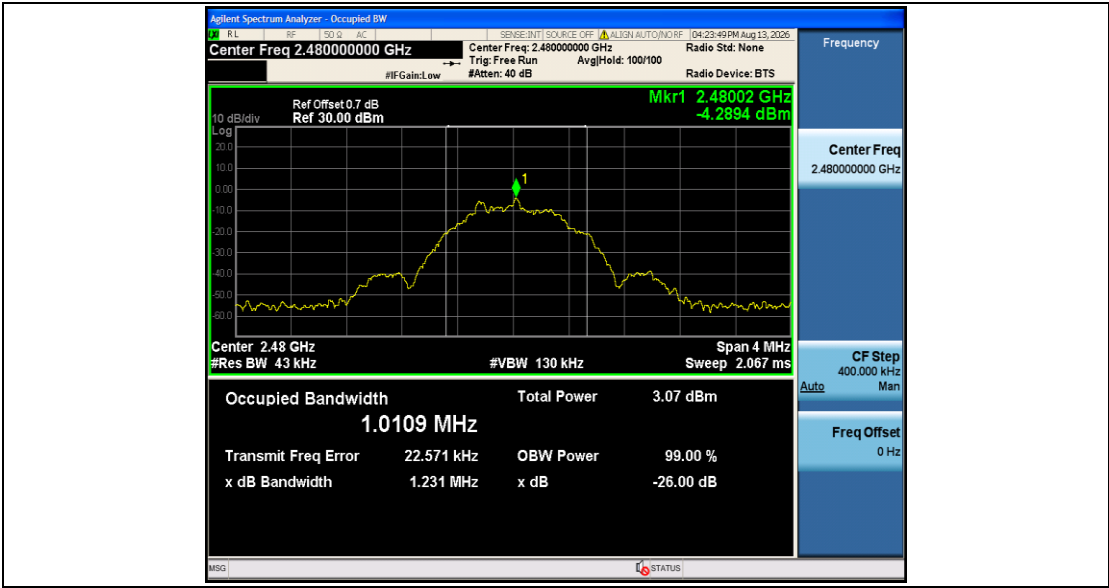
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0108	2401.5173	2402.5281	---	---
		2440	0.99773	2439.5254	2440.5231	---	---
		2480	1.0109	2479.5171	2480.5280	---	---

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	-3.18	≤30	PASS
		2440	-3.22	≤30	PASS
		2480	-3.50	≤30	PASS

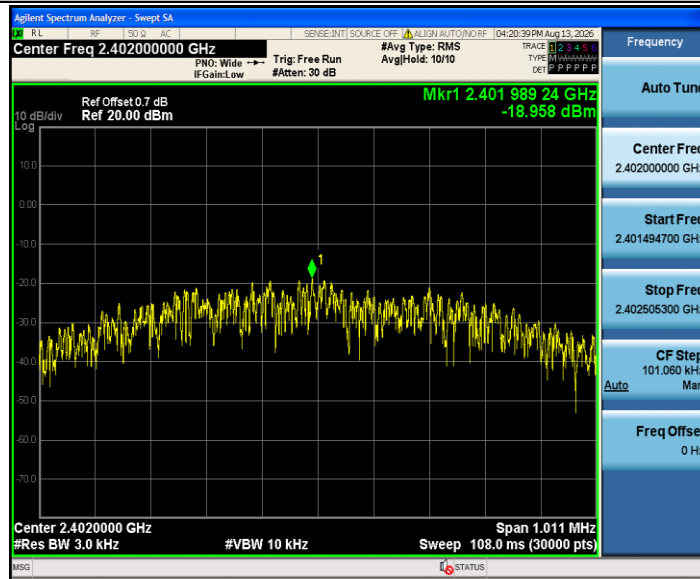
Appendix D: Maximum power spectral density

Test Result

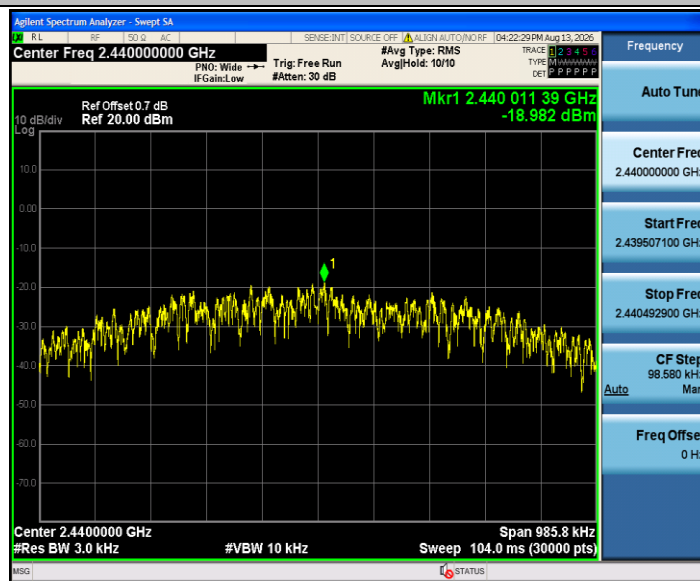
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.96	≤8.00	PASS
		2440	-18.98	≤8.00	PASS
		2480	-19.37	≤8.00	PASS

Test Graphs

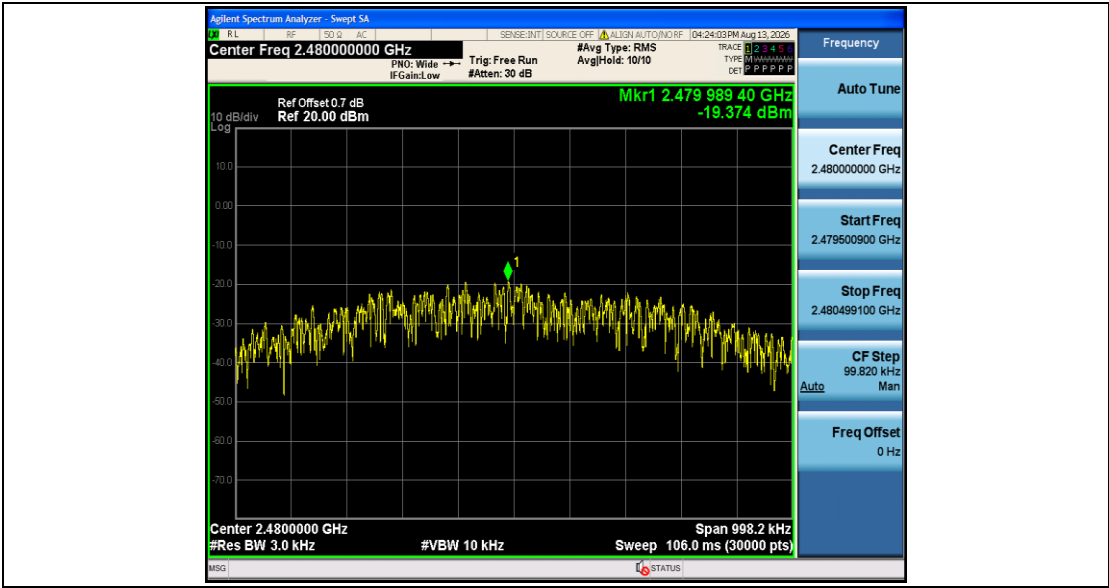
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

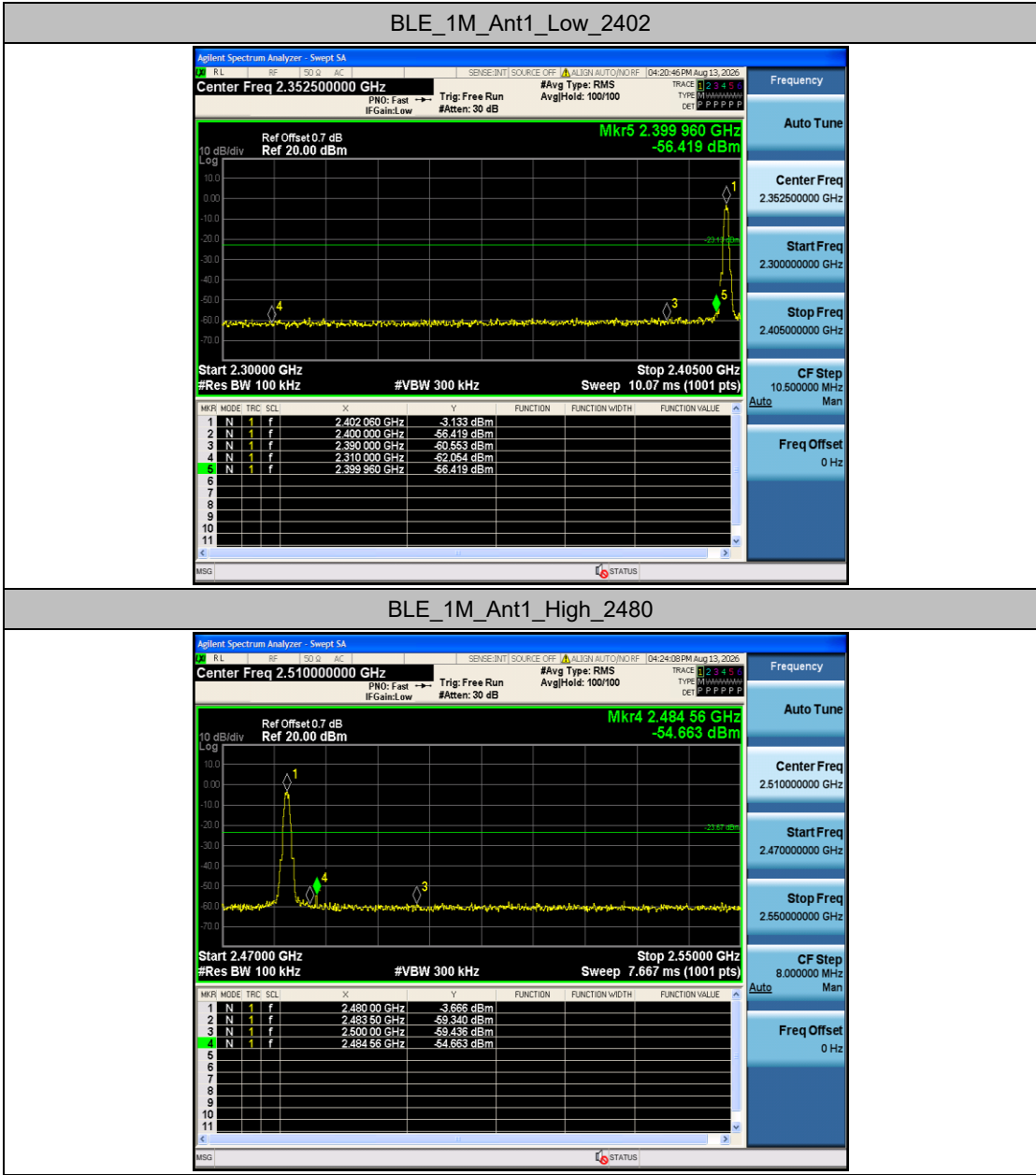


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.13	-56.42	≤-23.13	PASS
		High	2480	-3.67	-54.66	≤-23.67	PASS

Test Graphs

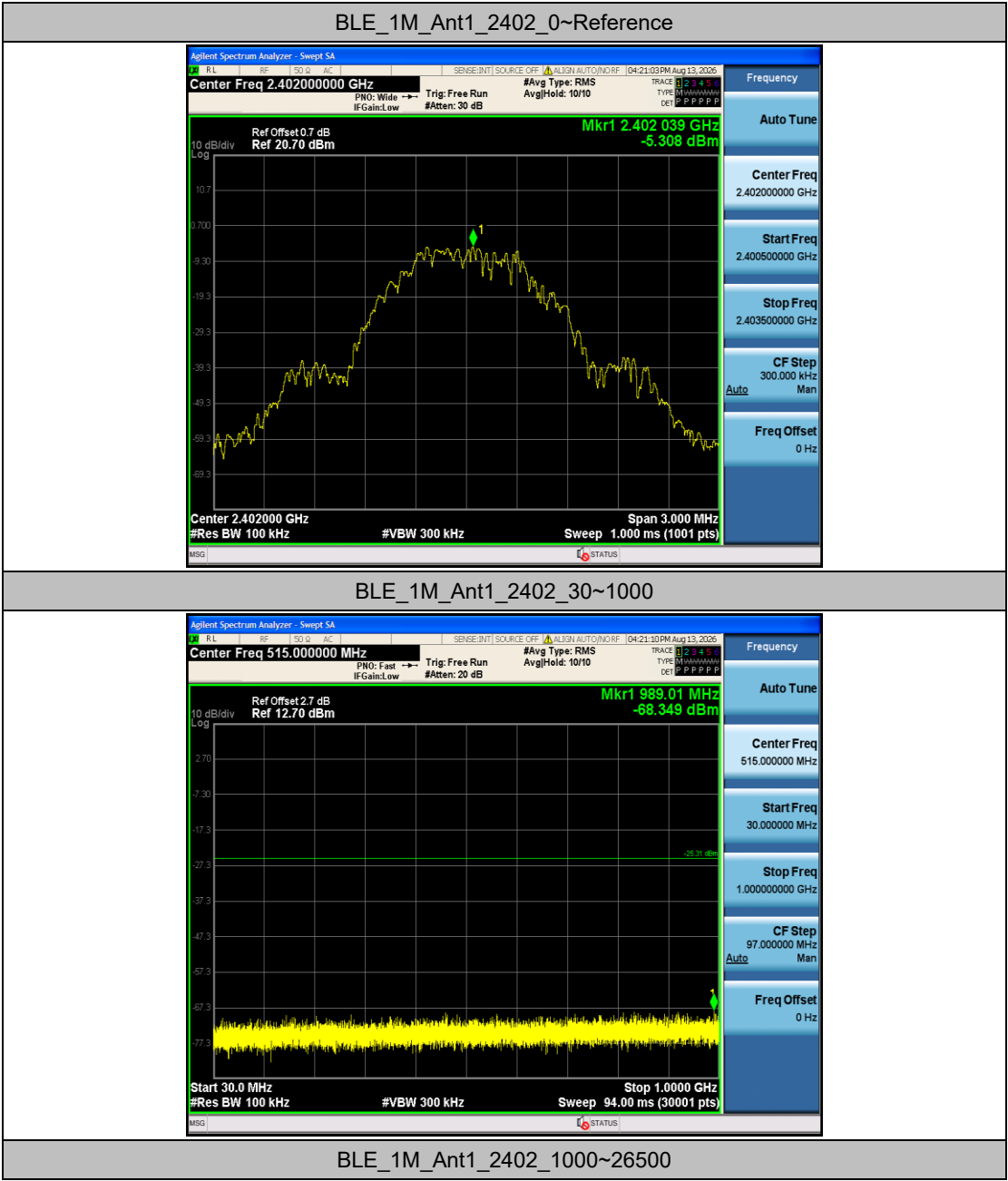


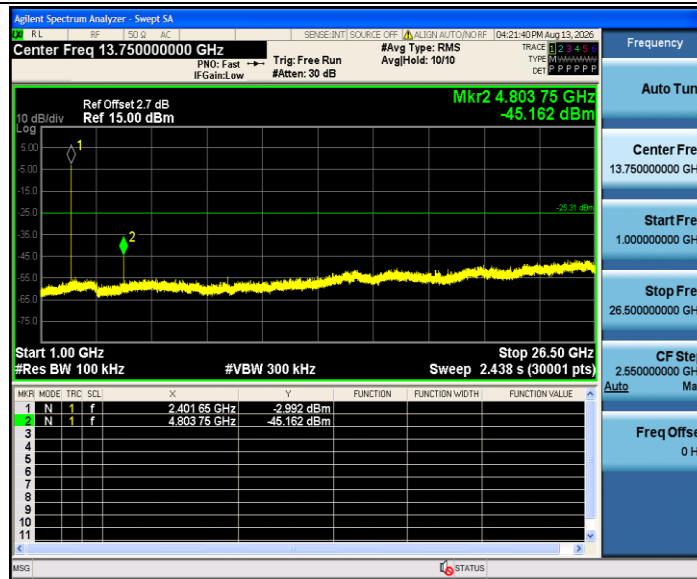
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.31	-5.31	---	PASS
			30~1000	-5.31	-68.35	≤-25.31	PASS
			1000~26500	-5.31	-45.16	≤-25.31	PASS
		2440	Reference	-5.17	-5.17	---	PASS
			30~1000	-5.17	-68.2	≤-25.17	PASS
			1000~26500	-5.17	-45.11	≤-25.17	PASS
		2480	Reference	-4.82	-4.82	---	PASS
			30~1000	-4.82	-67.72	≤-24.82	PASS
			1000~26500	-4.82	-45.93	≤-24.82	PASS

Test Graphs

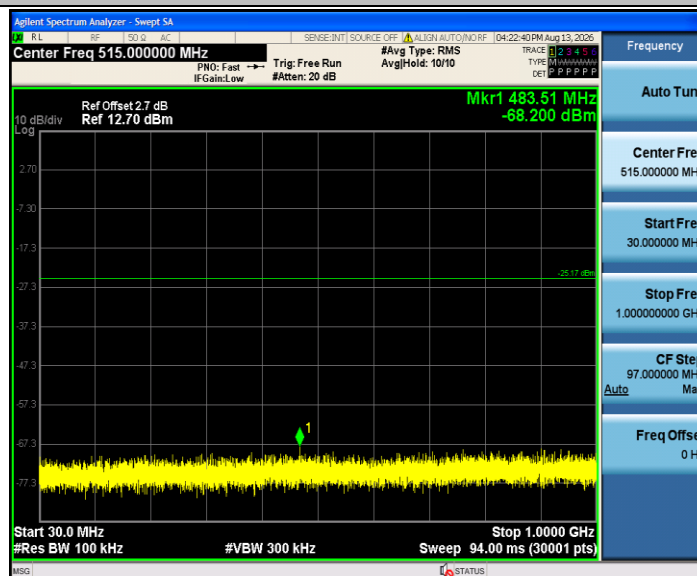




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



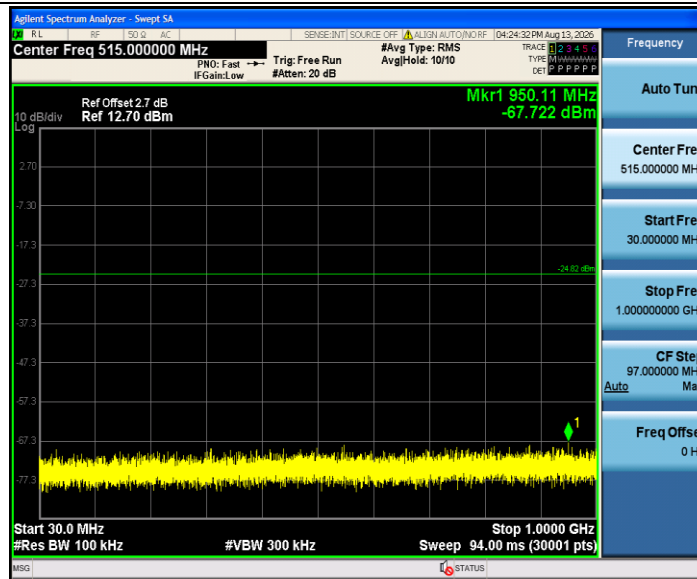
BLE_1M_Ant1_2440_1000~26500



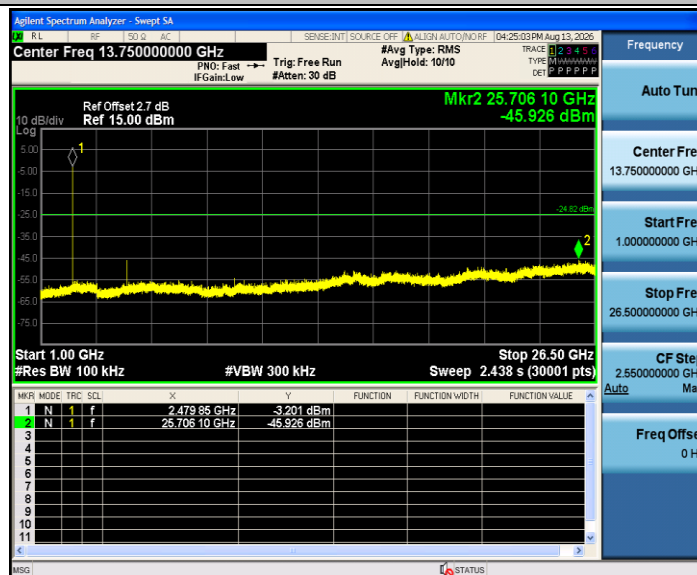
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

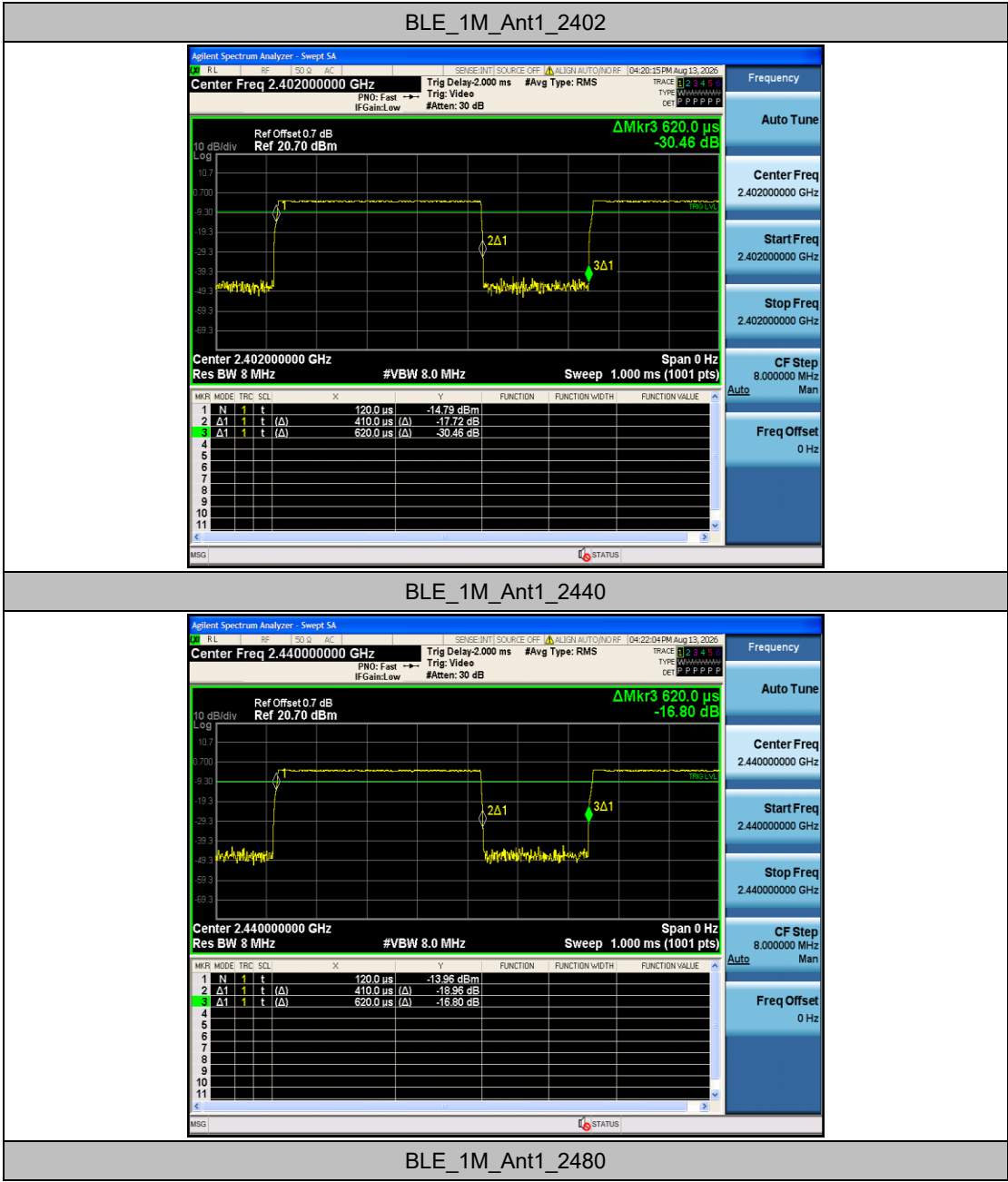


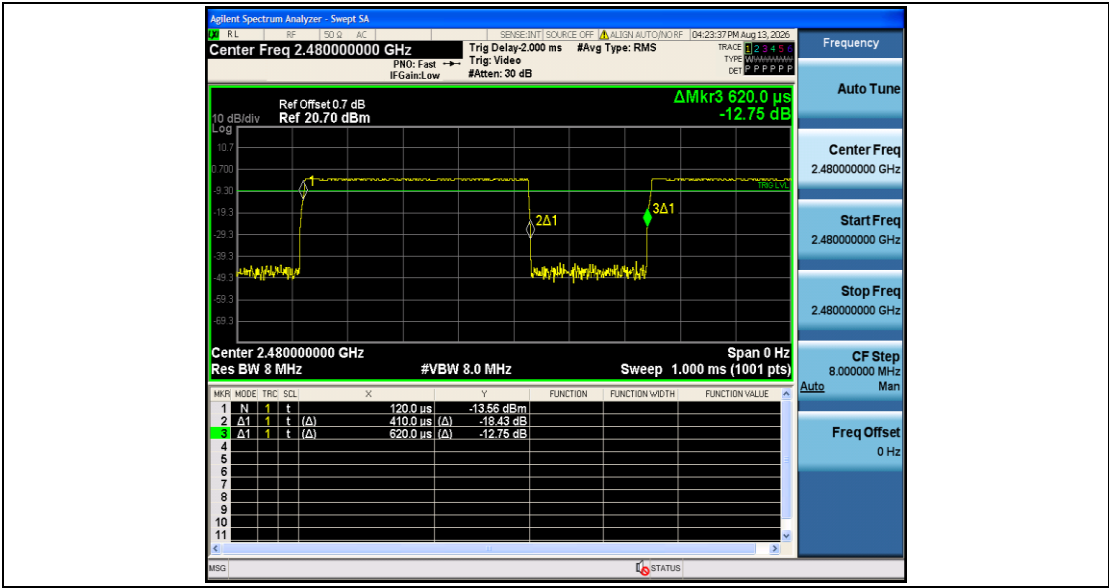
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs





Appendix H: Emissions in Restricted Bands

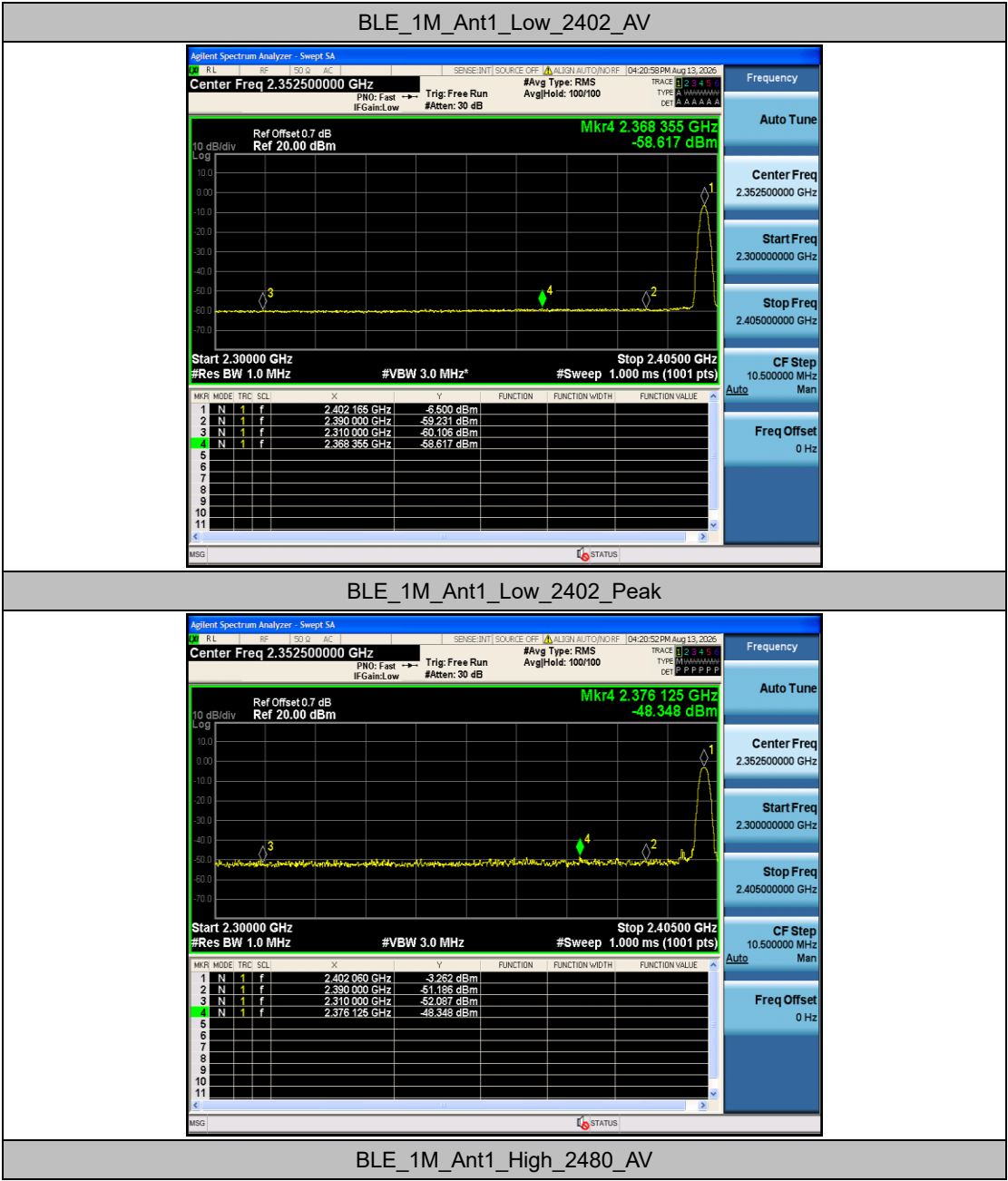
Test Result

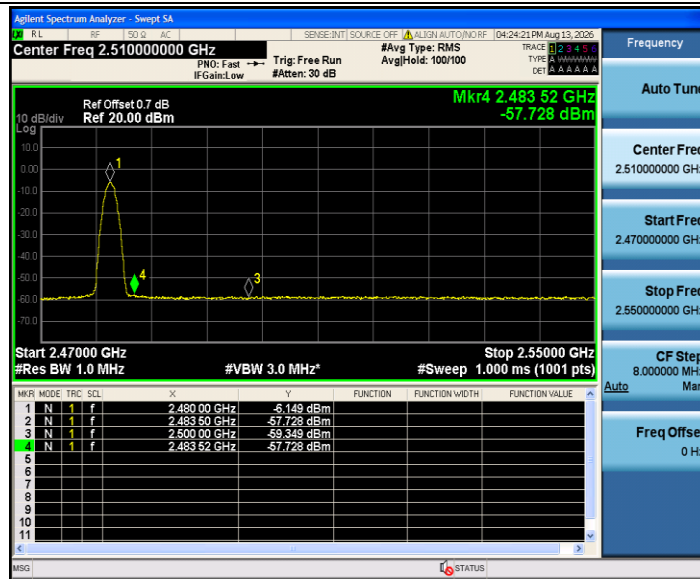
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-60.11	2.499	1.80	39.389	≤54	PASS
				AV	2368.355	-58.62	2.499	1.80	40.879	≤54	PASS
				AV	2390.000	-59.23	2.499	1.80	40.269	≤54	PASS
				Peak	2310.000	-52.09	2.499	0.00	45.609	≤74	PASS
				Peak	2376.125	-48.35	2.499	0.00	49.349	≤74	PASS
				Peak	2390.000	-51.19	2.499	0.00	46.509	≤74	PASS
		High	2480	AV	2483.500	-57.73	2.499	1.80	41.769	≤54	PASS
				AV	2483.520	-57.73	2.499	1.80	41.769	≤54	PASS
				AV	2500.000	-59.35	2.499	1.80	40.149	≤54	PASS
				Peak	2483.500	-49.9	2.499	0.00	47.799	≤74	PASS
				Peak	2485.360	-49.03	2.499	0.00	48.669	≤74	PASS
				Peak	2500.000	-51.37	2.499	0.00	46.329	≤74	PASS

Note:

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

