

FCC Appendix RF Test Data for BLE

FCC ID : 2A35W-H96MAXV56

Company : Shenzhen Haochuangyi Technology Co.,Ltd.

EUT : H96 Max V56

Model Number : H96 Max V56

Report No. : CTA26061100201

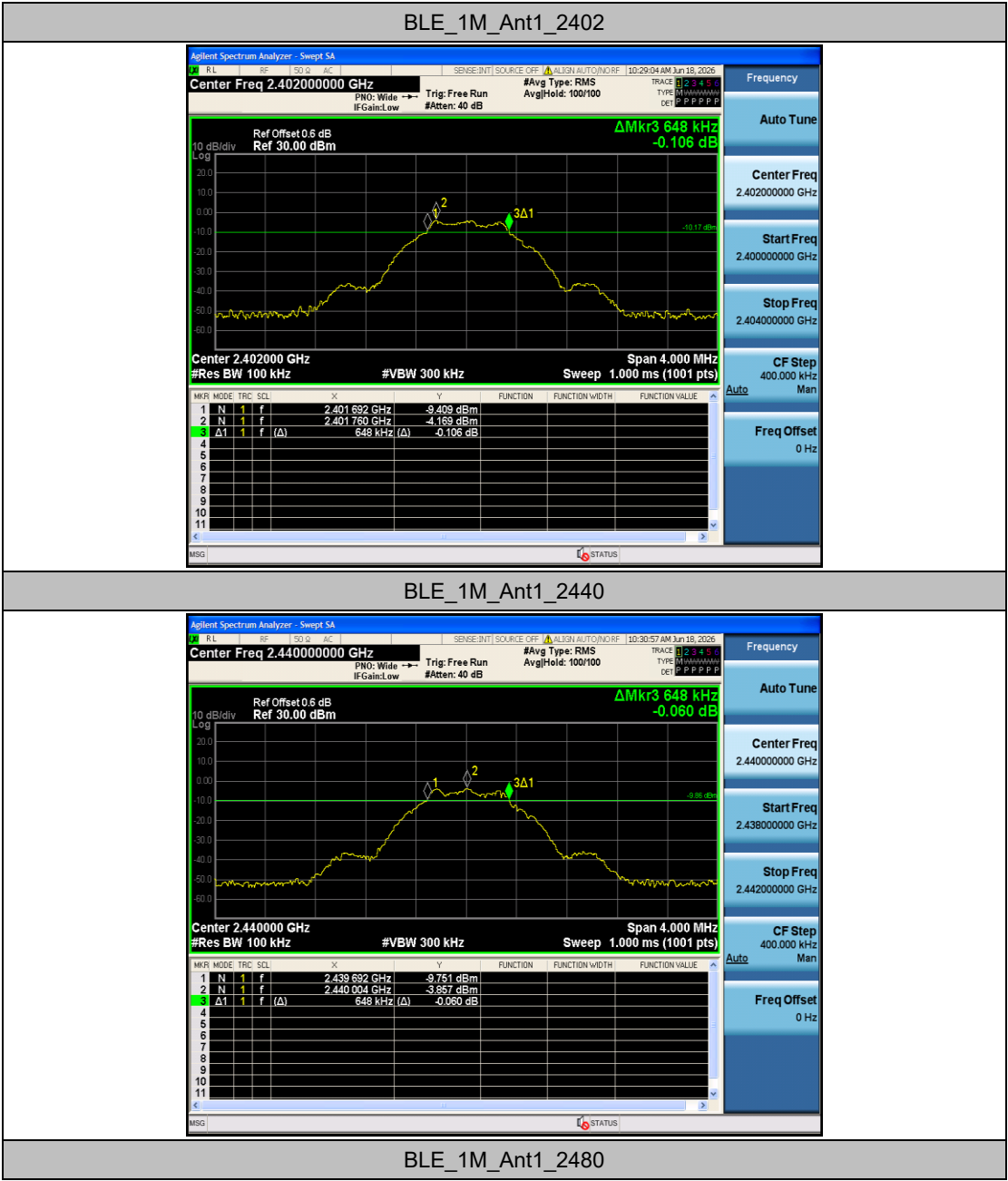
Reviewed By : Eric Wang

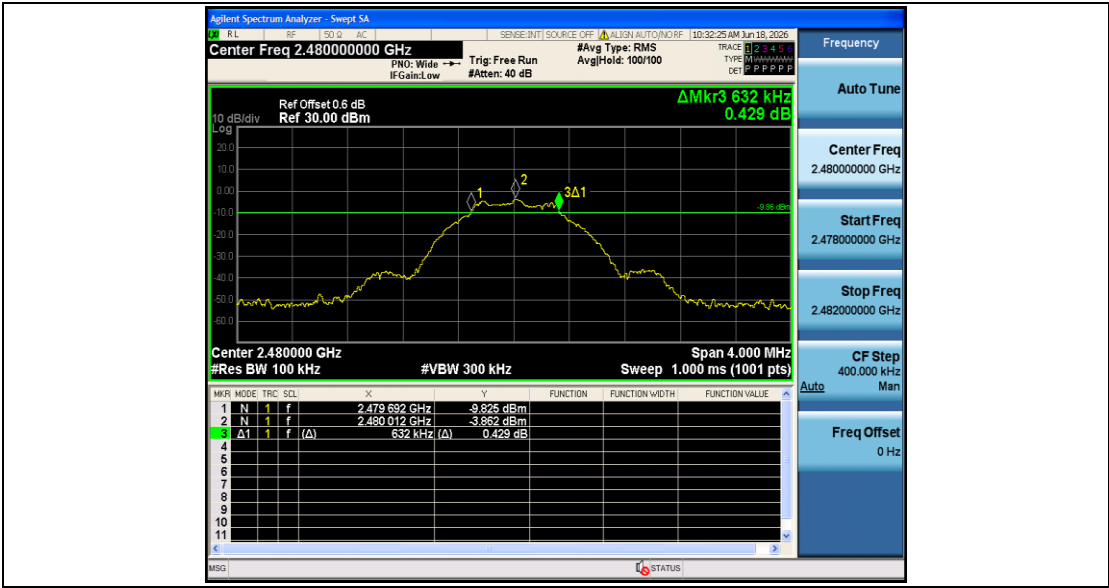
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.692	2402.340	0.5	PASS
		2440	0.648	2439.692	2440.340	0.5	PASS
		2480	0.632	2479.692	2480.324	0.5	PASS

Test Graphs



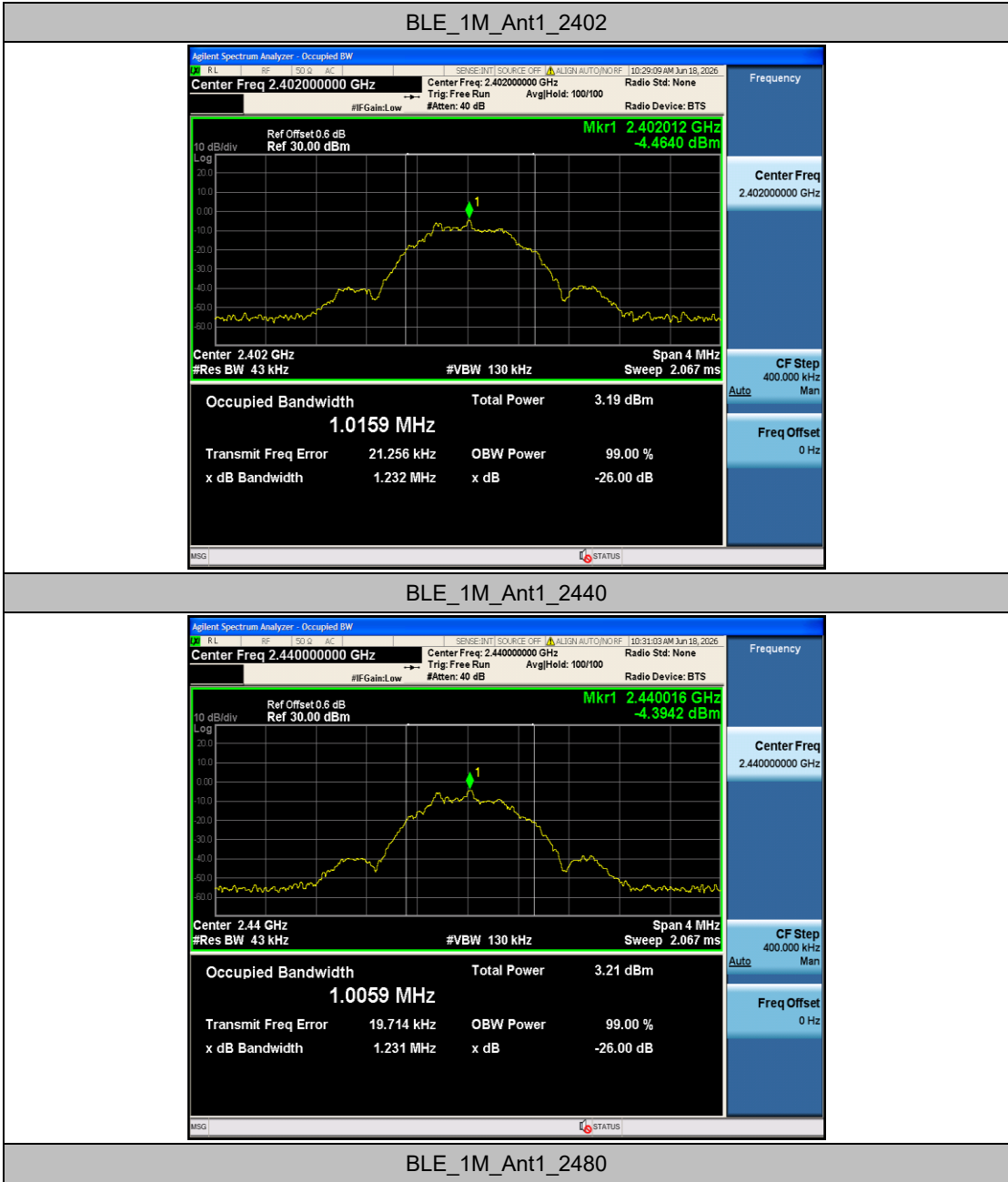


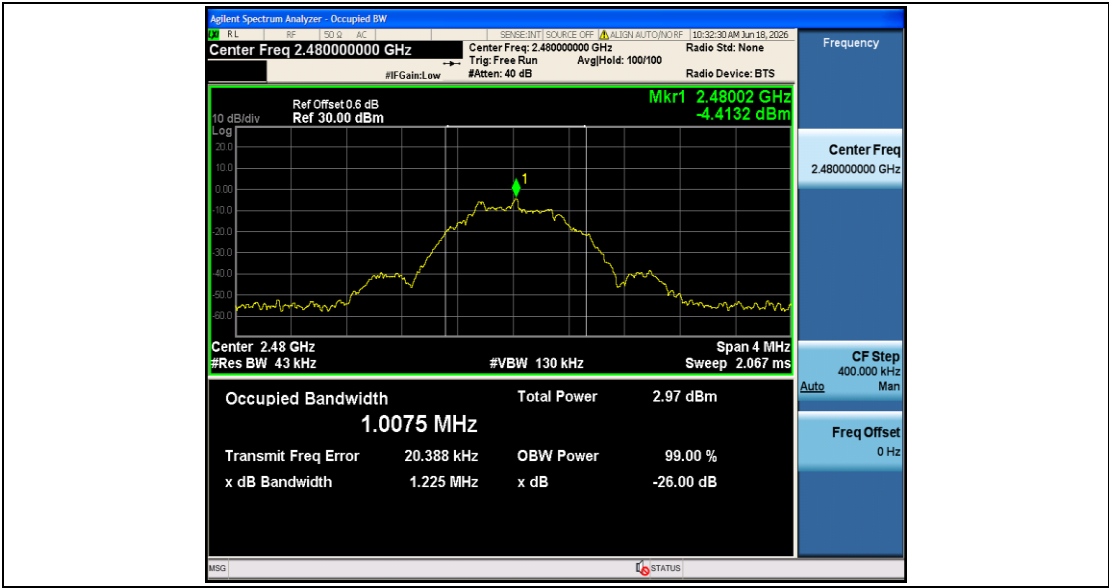
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0159	2401.5133	2402.5292	---	---
		2440	1.0059	2439.5168	2440.5227	---	---
		2480	1.0075	2479.5166	2480.5241	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

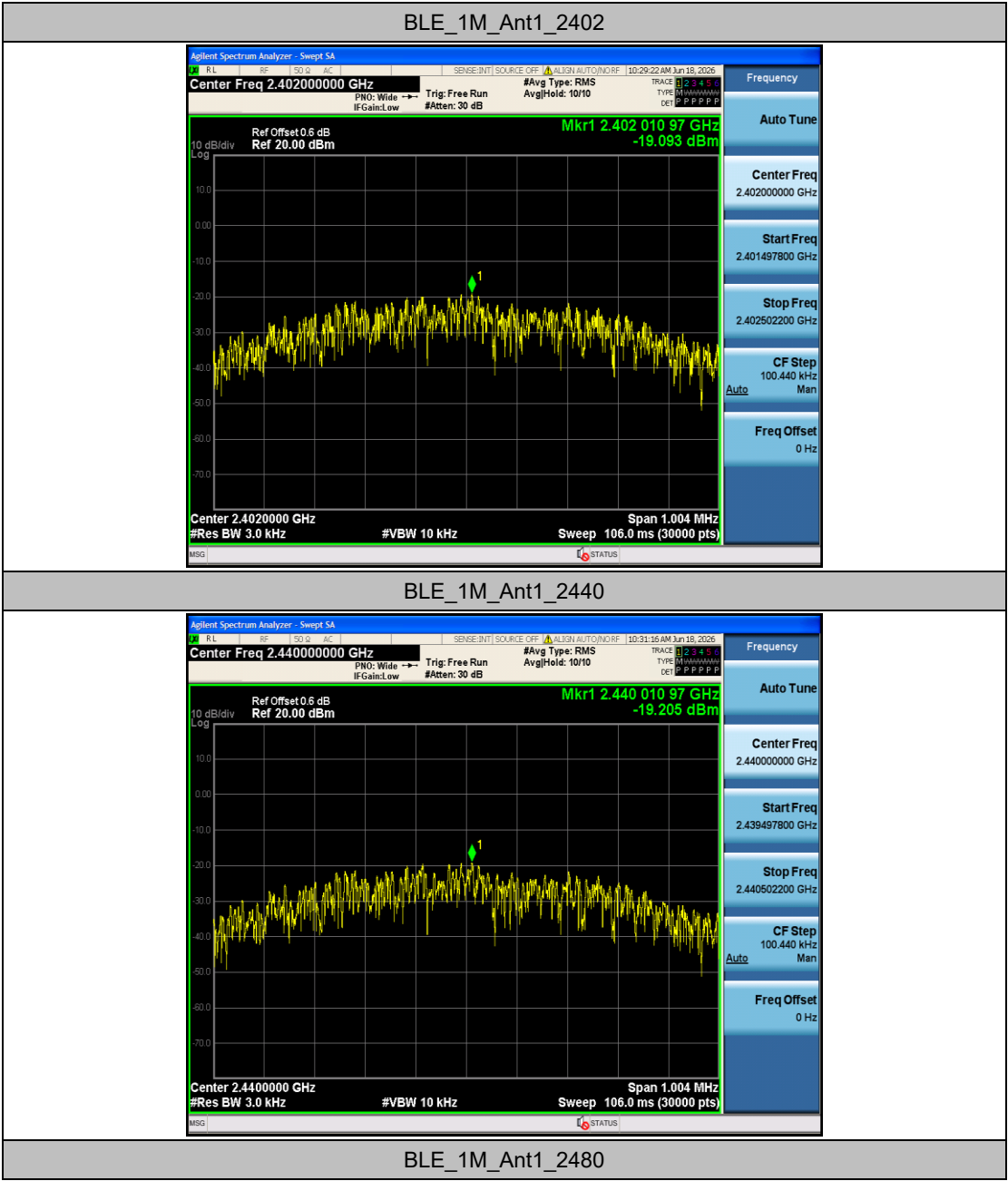
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.32	≤30	PASS
		2440	-3.37	≤30	PASS
		2480	-3.64	≤30	PASS

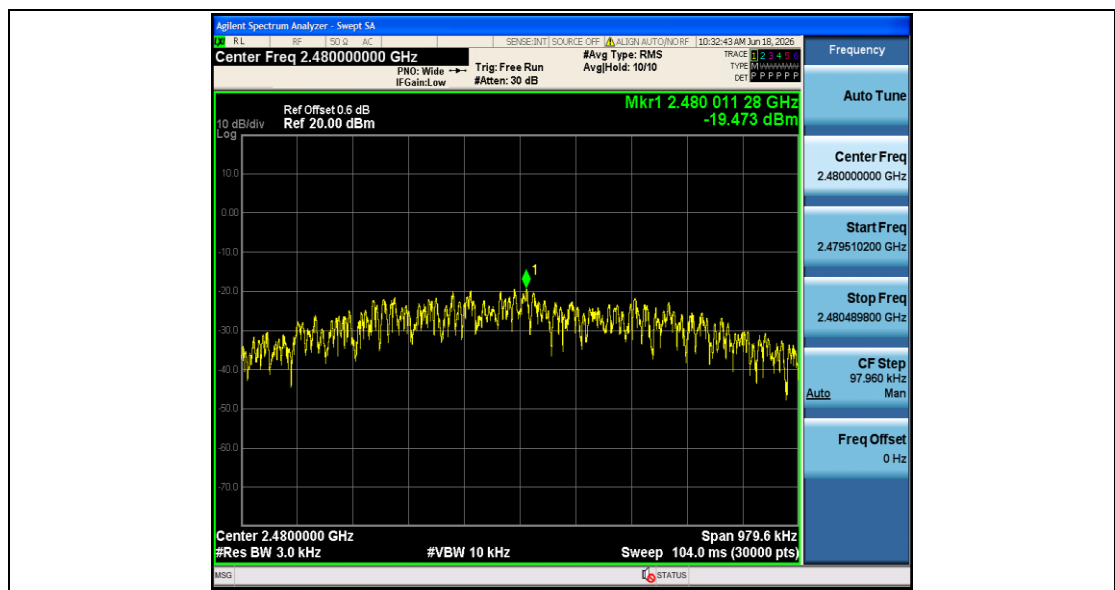
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.09	≤8.00	PASS
		2440	-19.21	≤8.00	PASS
		2480	-19.47	≤8.00	PASS

Test Graphs



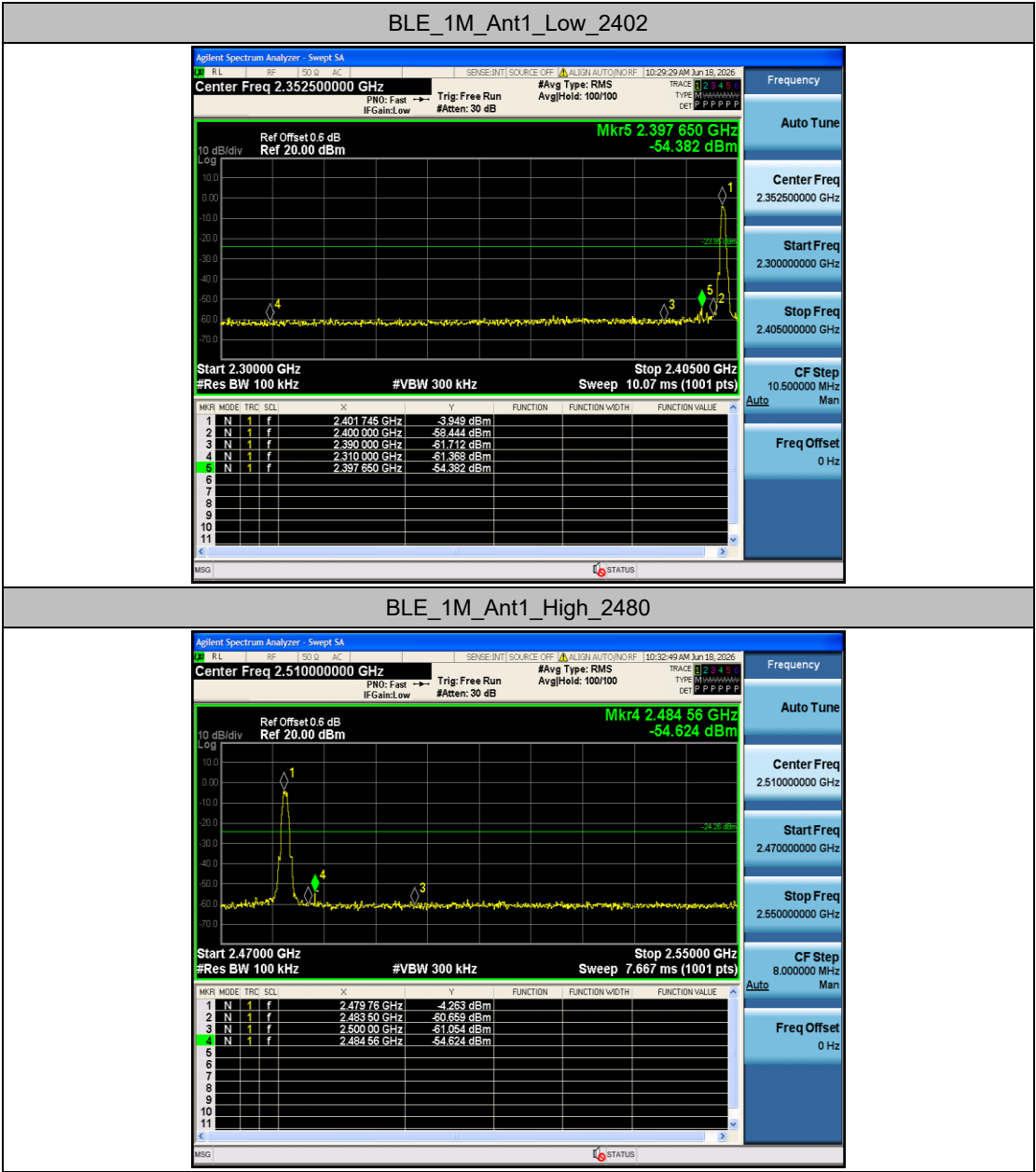


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.95	-54.38	≤-23.95	PASS
		High	2480	-4.26	-54.62	≤-24.26	PASS

Test Graphs

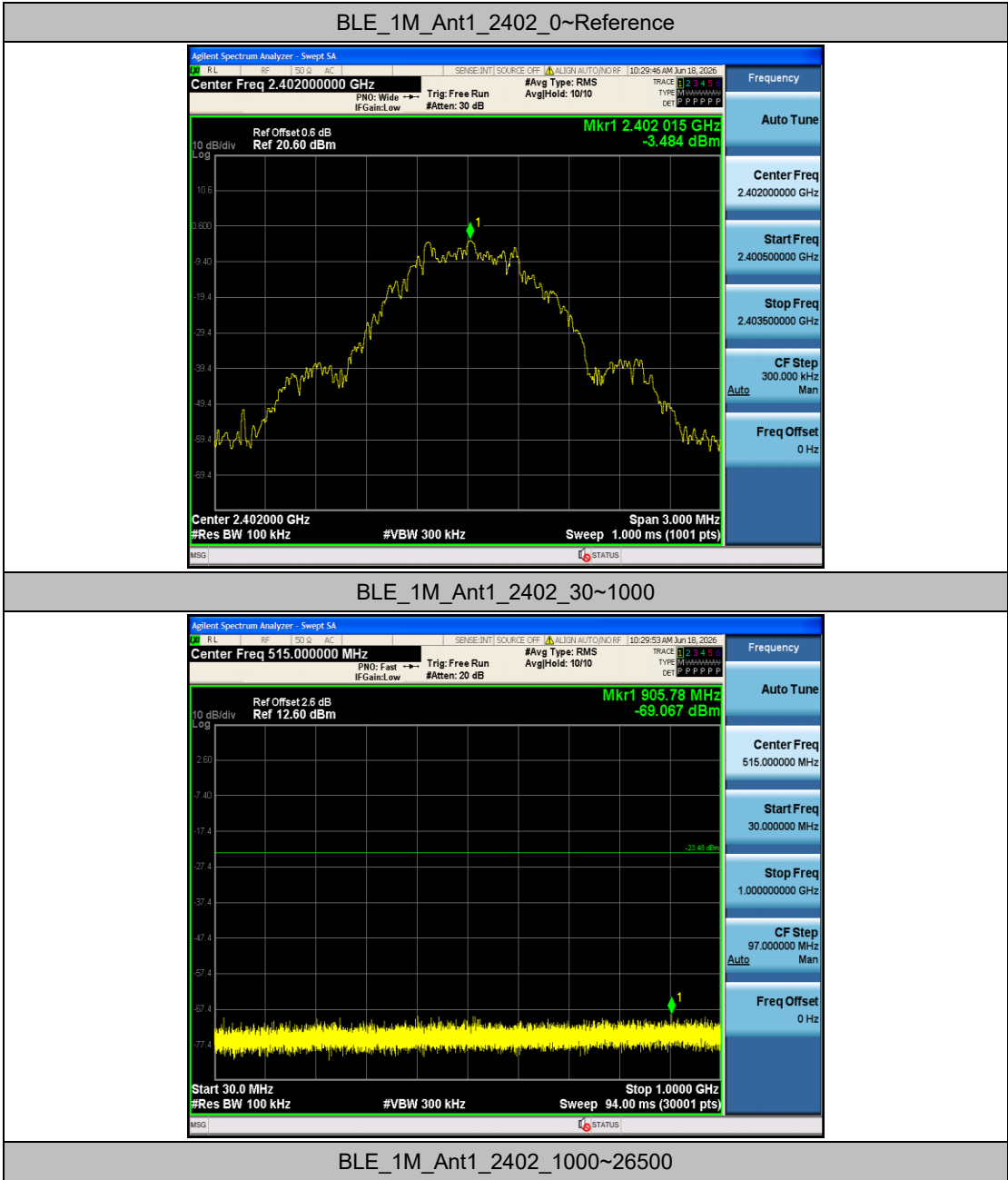


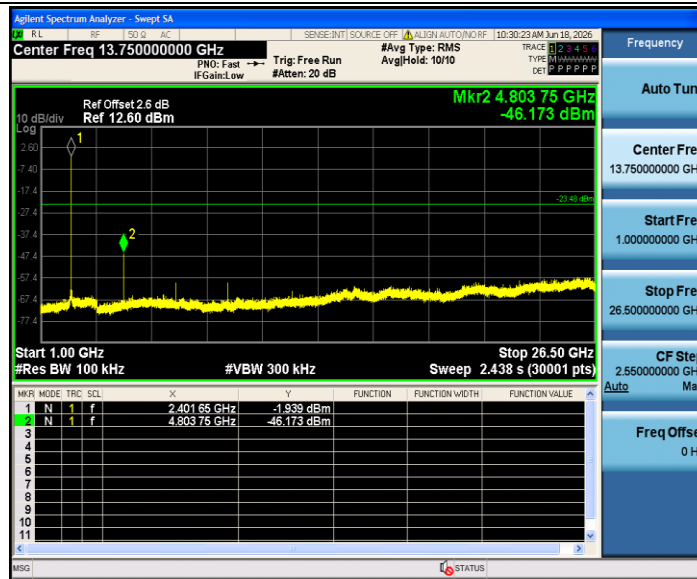
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-69.07	≤-23.48	PASS
			1000~26500	-3.48	-46.17	≤-23.48	PASS
		2440	Reference	-4.28	-4.28	---	PASS
			30~1000	-4.28	-68.35	≤-24.28	PASS
			1000~26500	-4.28	-47.82	≤-24.28	PASS
		2480	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-68.96	≤-24.35	PASS
			1000~26500	-4.35	-47.35	≤-24.35	PASS

Test Graphs

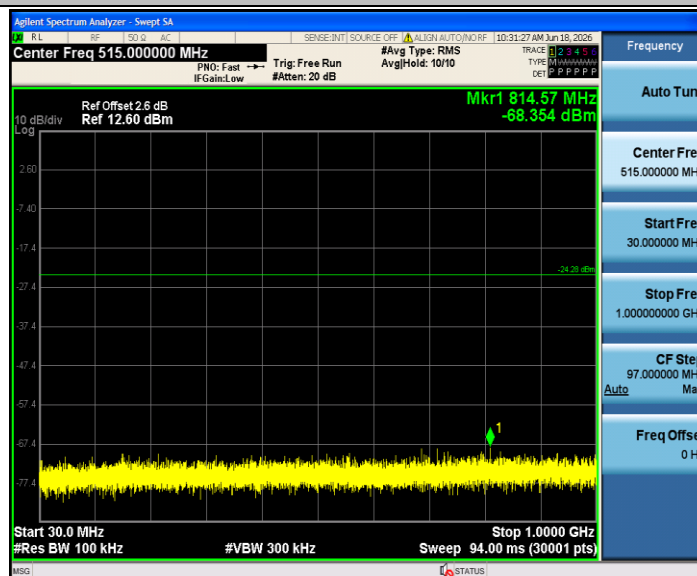




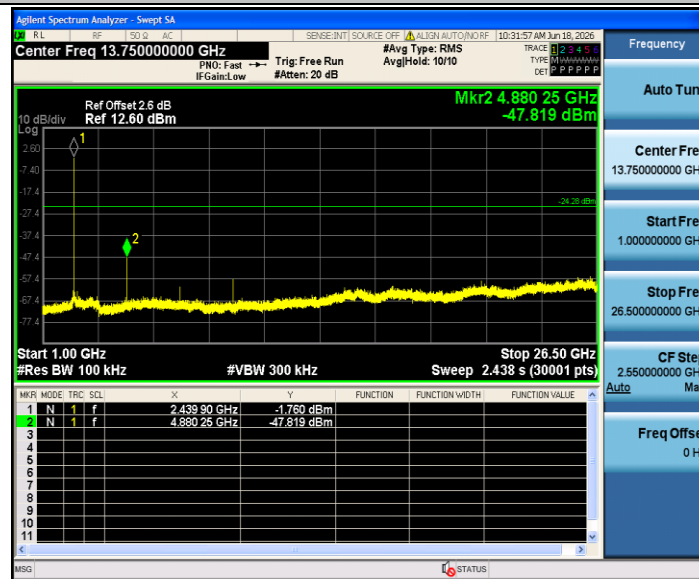
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



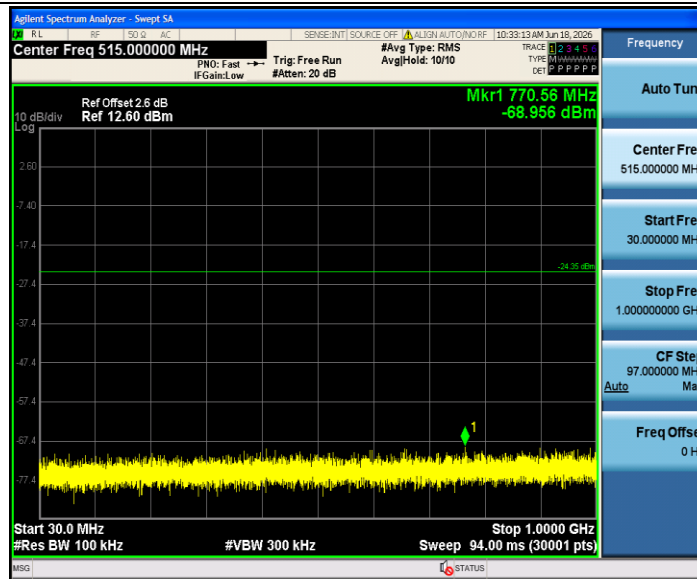
BLE_1M_Ant1_2440_1000~26500



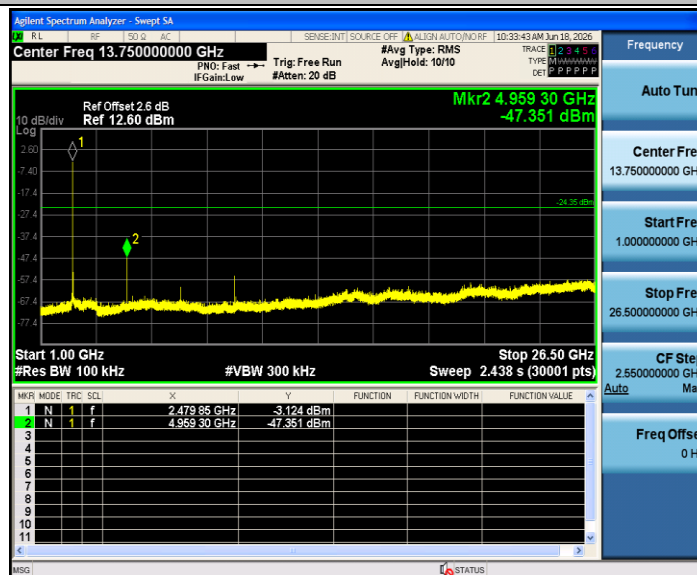
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

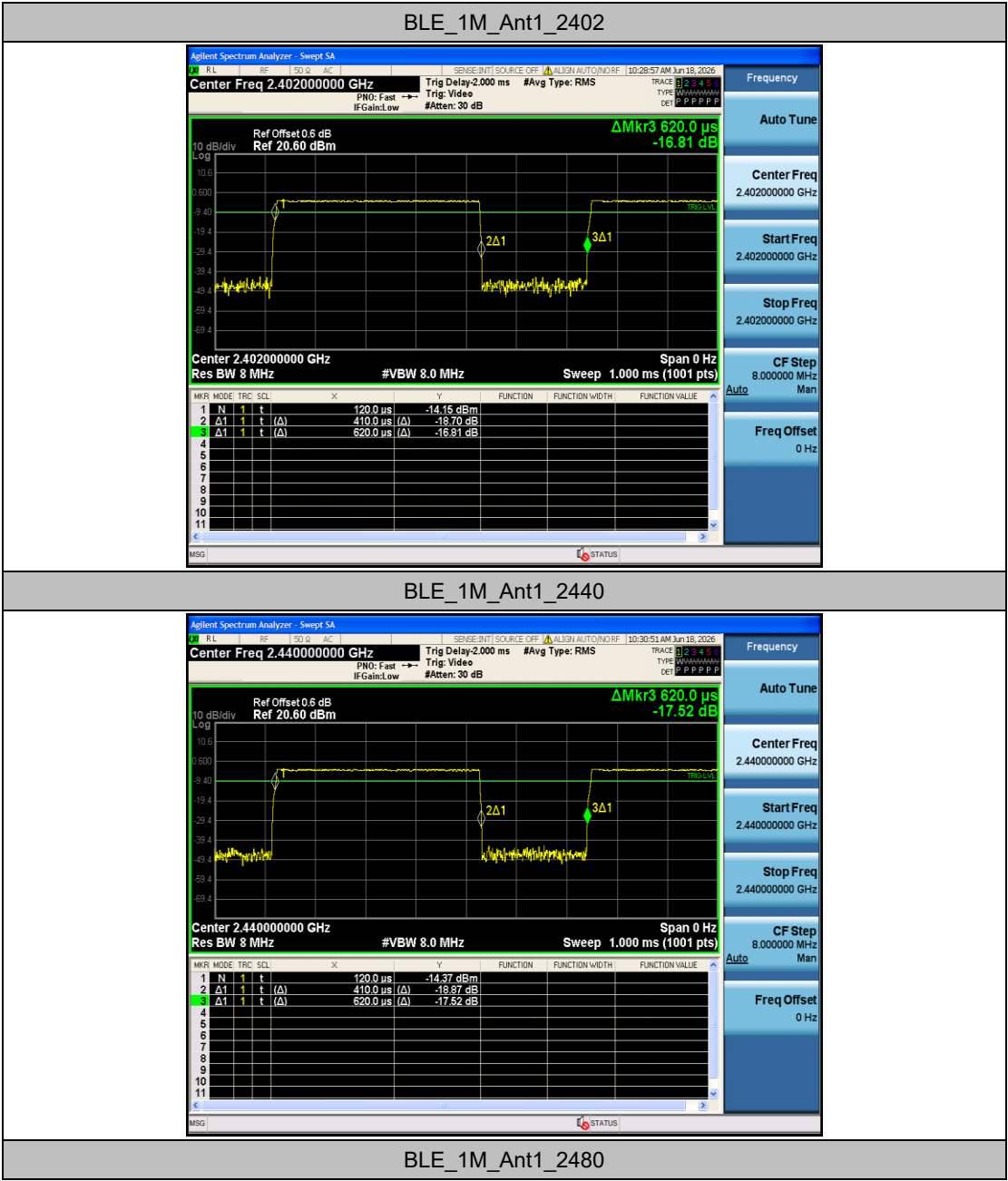


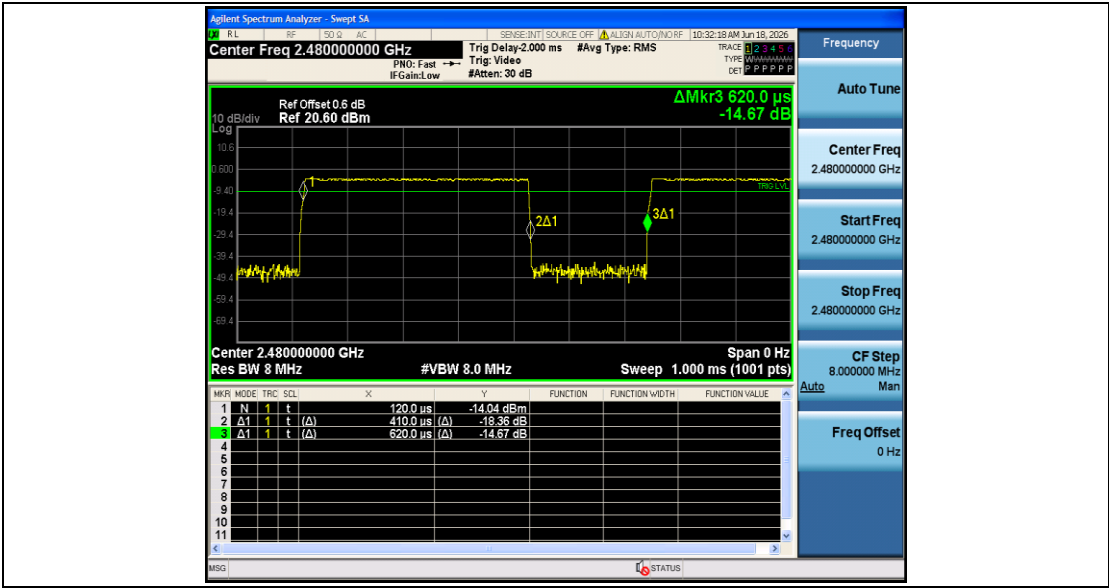
Appendix G: Duty Cycle

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

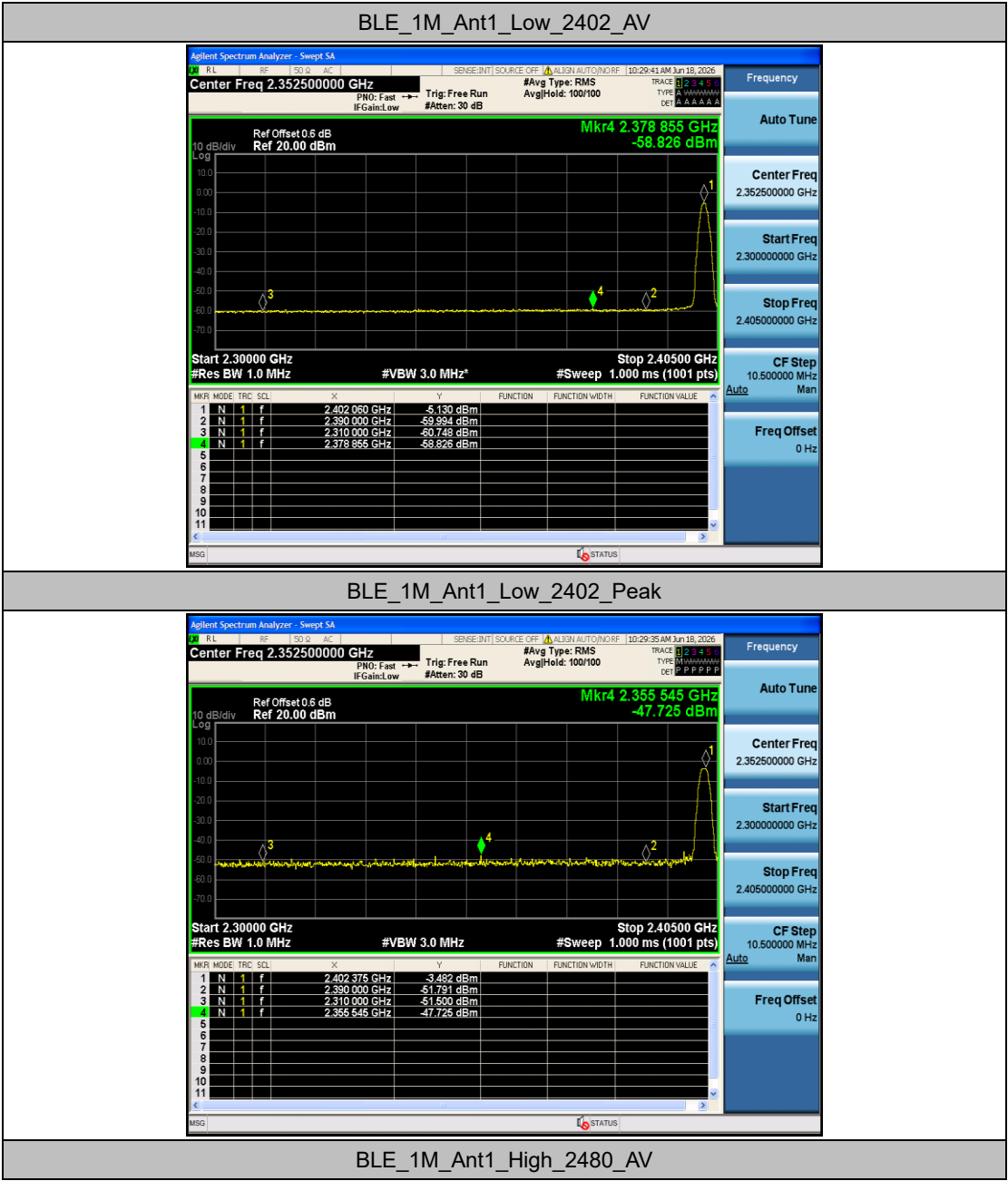
Test Result

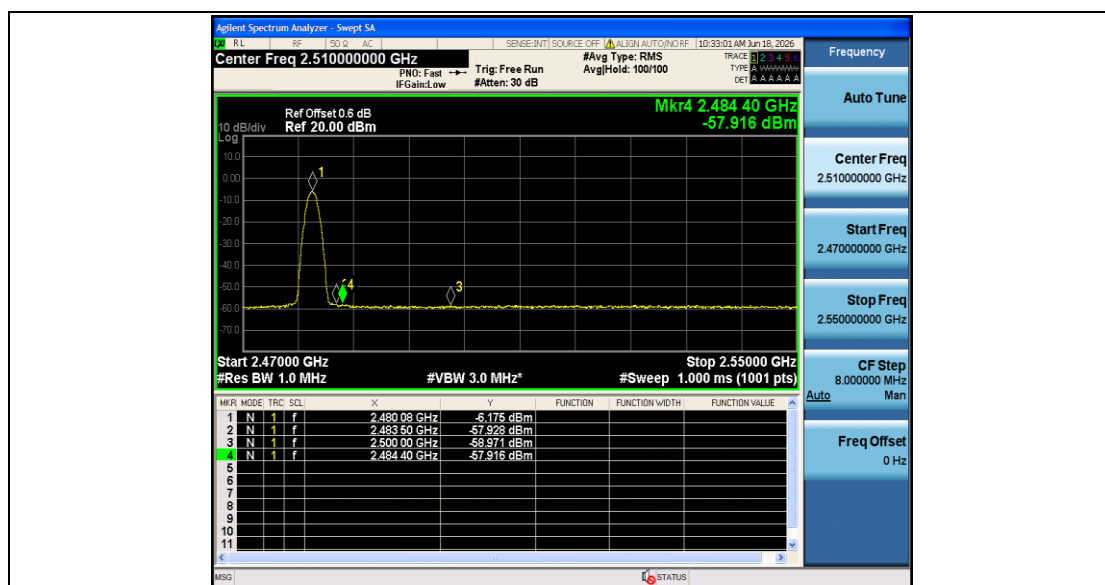
TestMode	Antenna	Channel Name	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	AV	2310.000	-60.75	2.16	1.80	38.41	≤54	PASS
				AV	2378.855	-58.83	2.16	1.80	40.33	≤54	PASS
				AV	2390.000	-59.99	2.16	1.80	39.17	≤54	PASS
				Peak	2310.000	-51.5	2.16	0.00	45.86	≤74	PASS
				Peak	2355.545	-47.72	2.16	0.00	49.64	≤74	PASS
				Peak	2390.000	-51.79	2.16	0.00	45.57	≤74	PASS
		High	2480	AV	2483.500	-57.93	2.16	1.80	41.23	≤54	PASS
				AV	2484.400	-57.92	2.16	1.80	41.24	≤54	PASS
				AV	2500.000	-58.97	2.16	1.80	40.19	≤54	PASS
				Peak	2483.500	-50.82	2.16	0.00	46.54	≤74	PASS
				Peak	2483.760	-48.49	2.16	0.00	48.87	≤74	PASS
				Peak	2500.000	-51.25	2.16	0.00	46.11	≤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

