

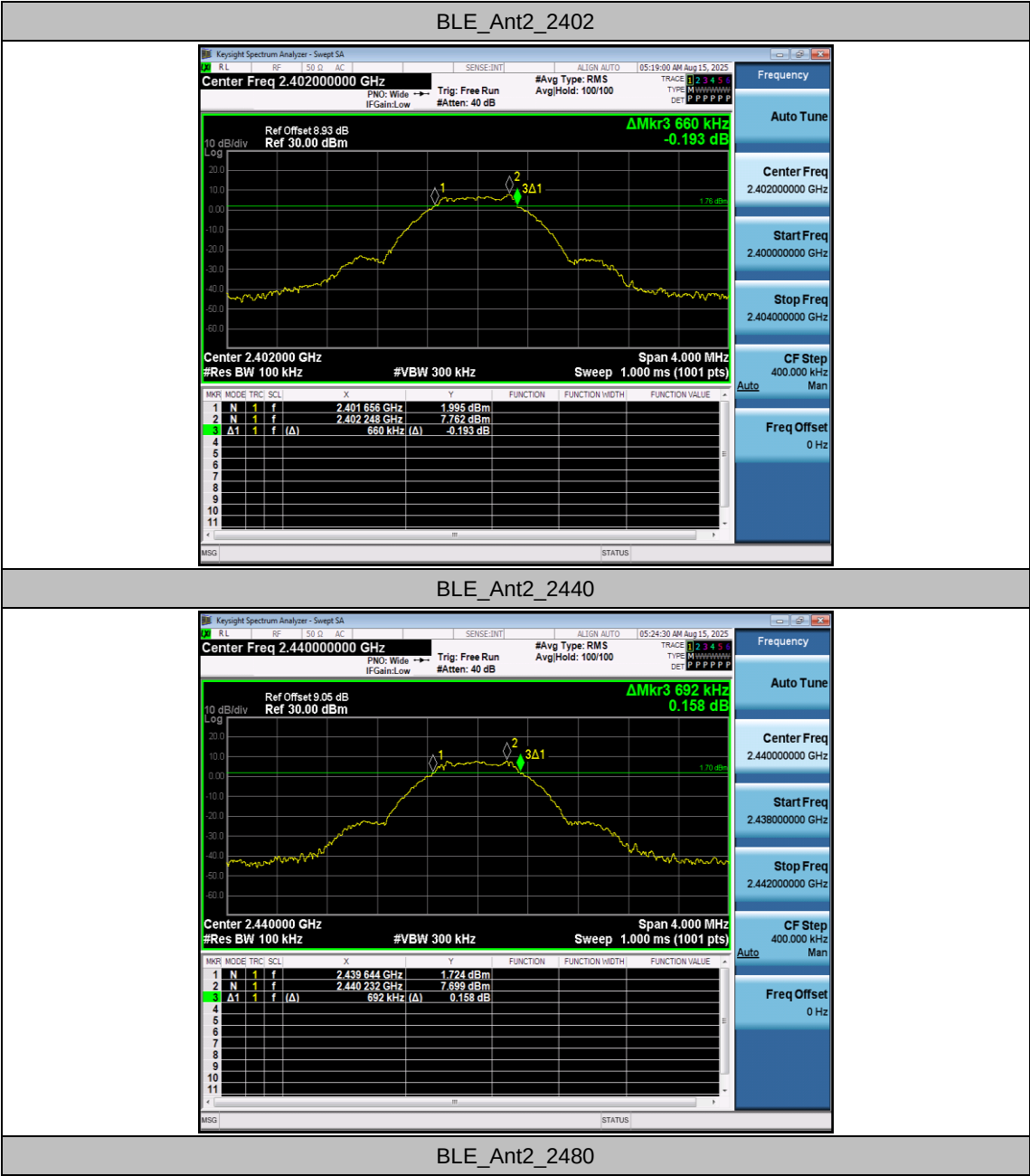
Case No. : <u>GTS20250724007-3-02</u>
Ambient Condition: <u>22</u> °C, <u>53</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.8.4-2025.8.29</u> Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	0.660	2401.656	2402.316	0.5	PASS
		2440	0.692	2439.644	2440.336	0.5	PASS
		2480	0.716	2479.624	2480.340	0.5	PASS

Test Graphs

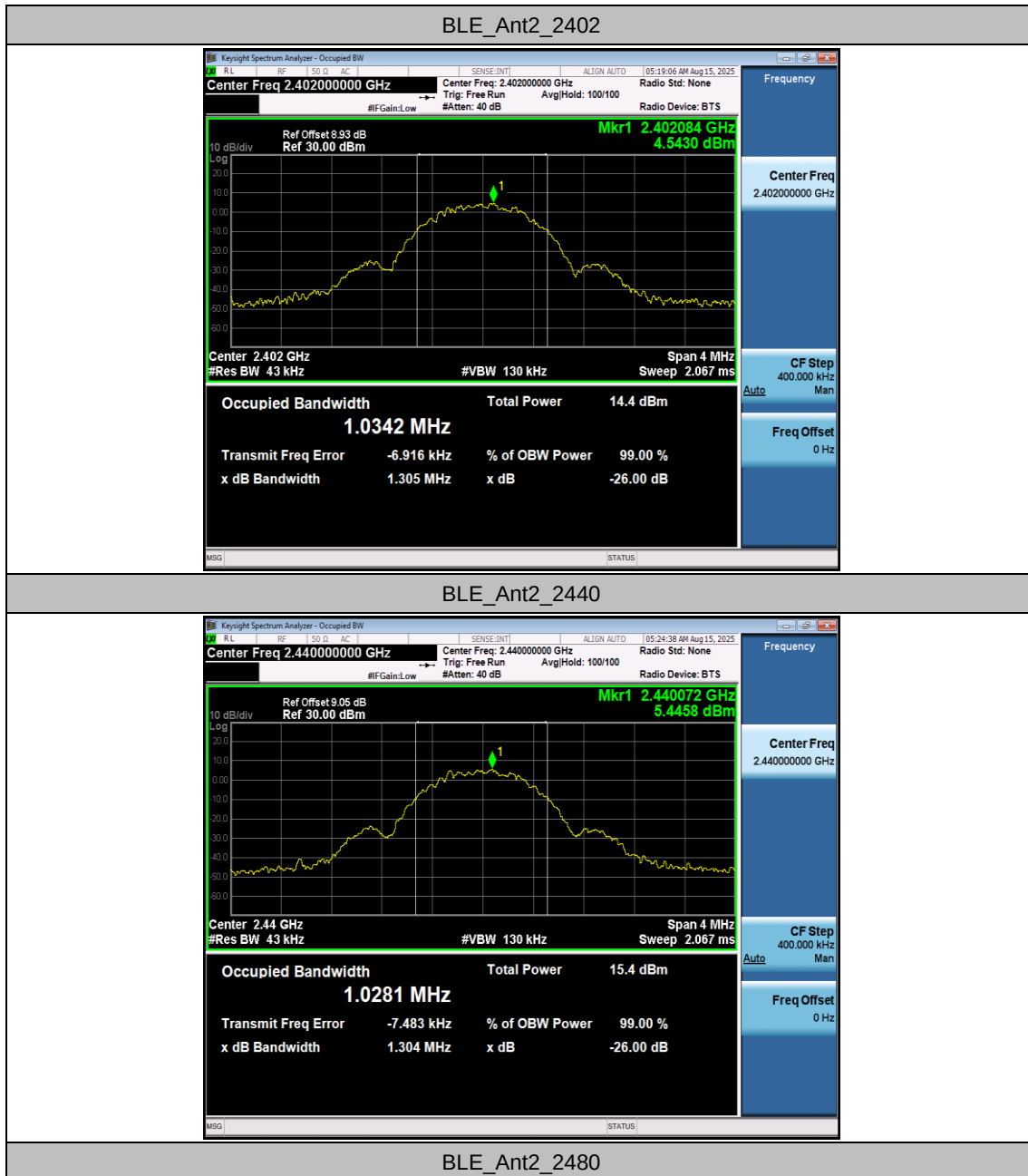


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant2	2402	1.0342	2401.4760	2402.5102	---	---
		2440	1.0281	2439.4785	2440.5066	---	---
		2480	1.0264	2479.4813	2480.5077	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

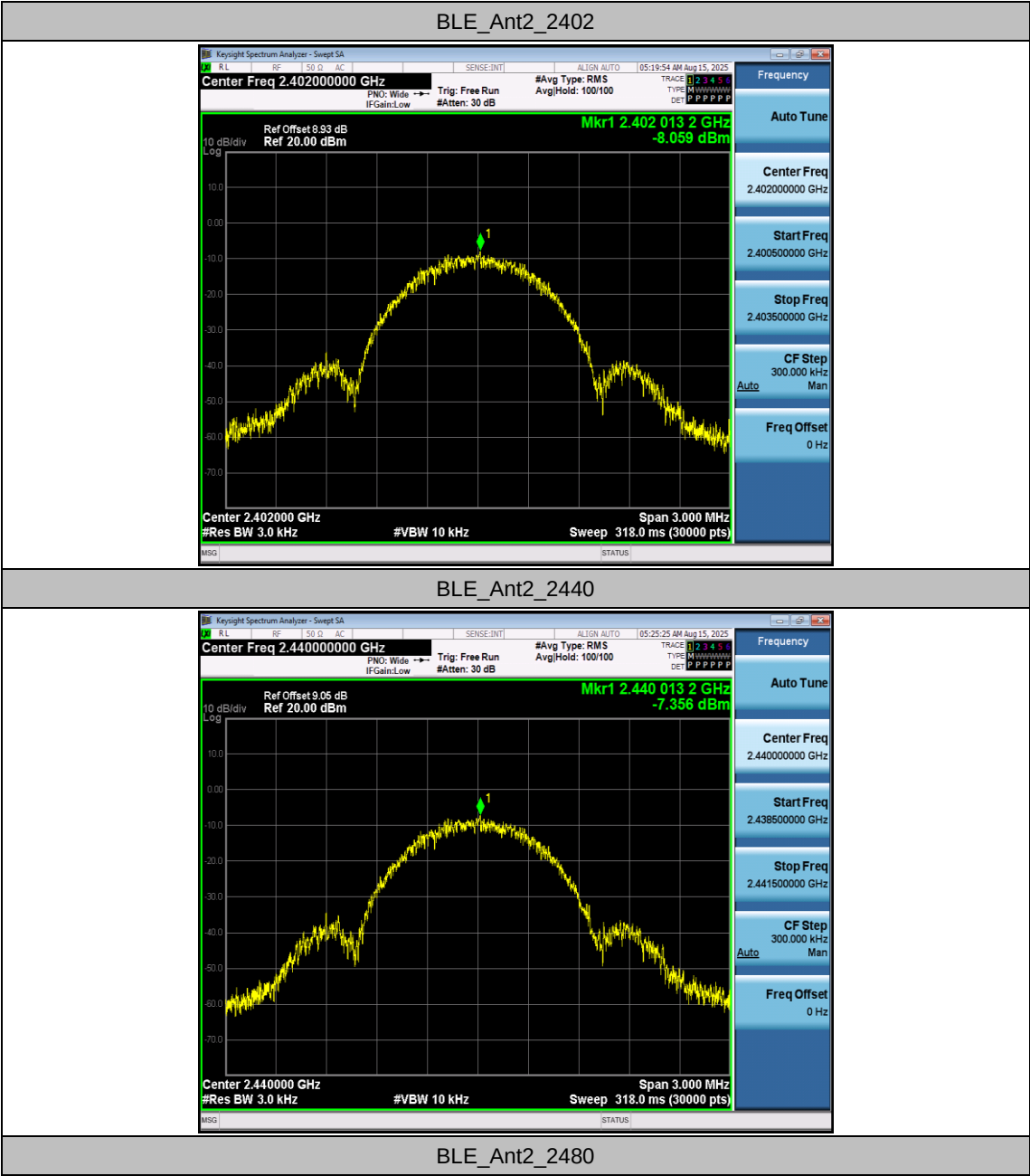
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant2	2402	9.05	≤30	PASS
		2440	9.84	≤30	PASS
		2480	9.85	≤30	PASS

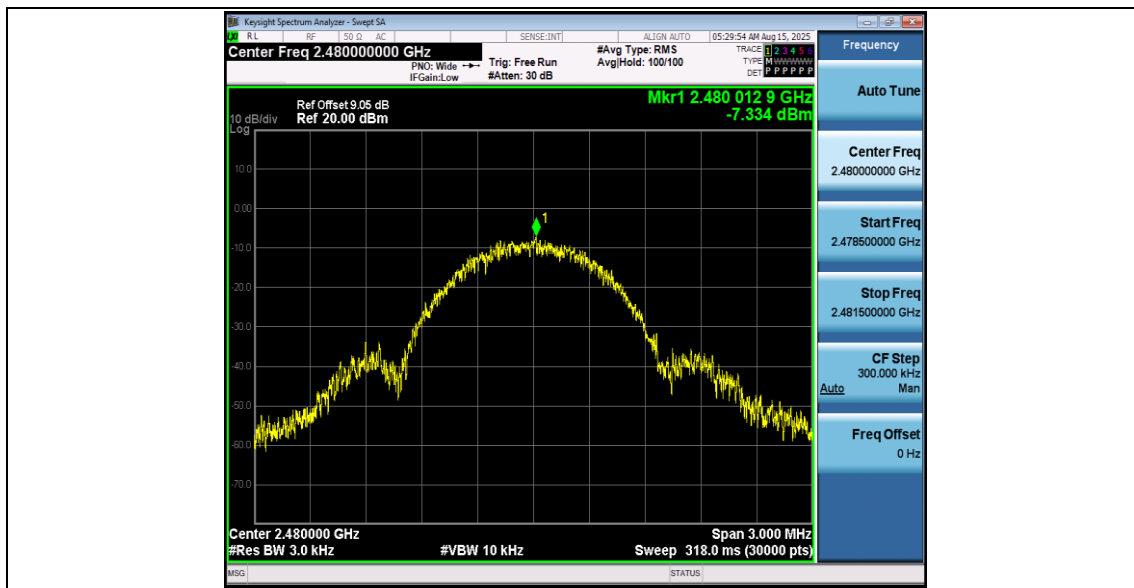
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant2	2402	-8.06	≤8.00	PASS
		2440	-7.36	≤8.00	PASS
		2480	-7.33	≤8.00	PASS

Test Graphs



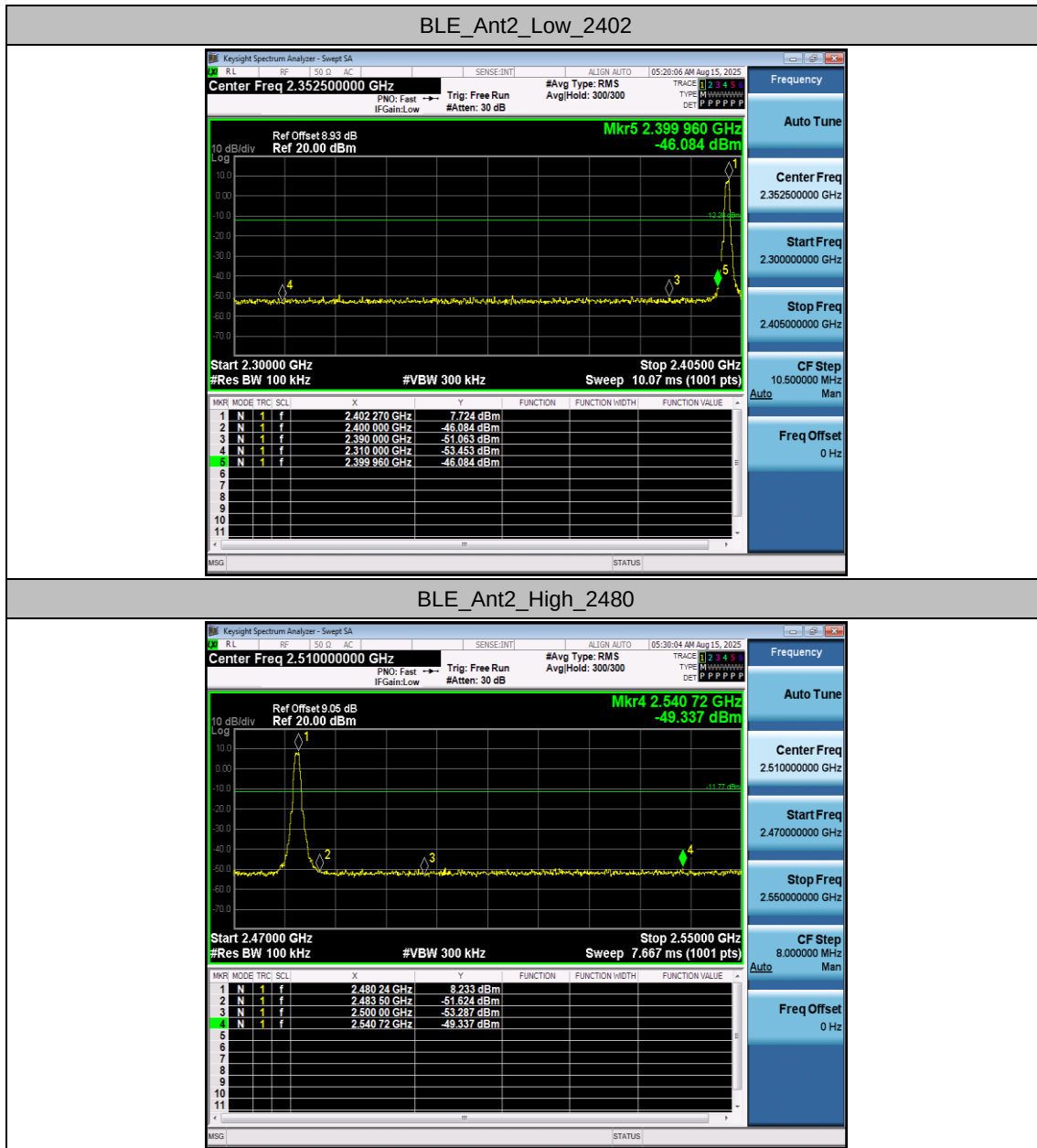


Appendix B.5:Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	Low	2402	7.72	-46.08	≤ -12.28	PASS
		High	2480	8.23	-49.34	≤ -11.77	PASS

Test Graphs

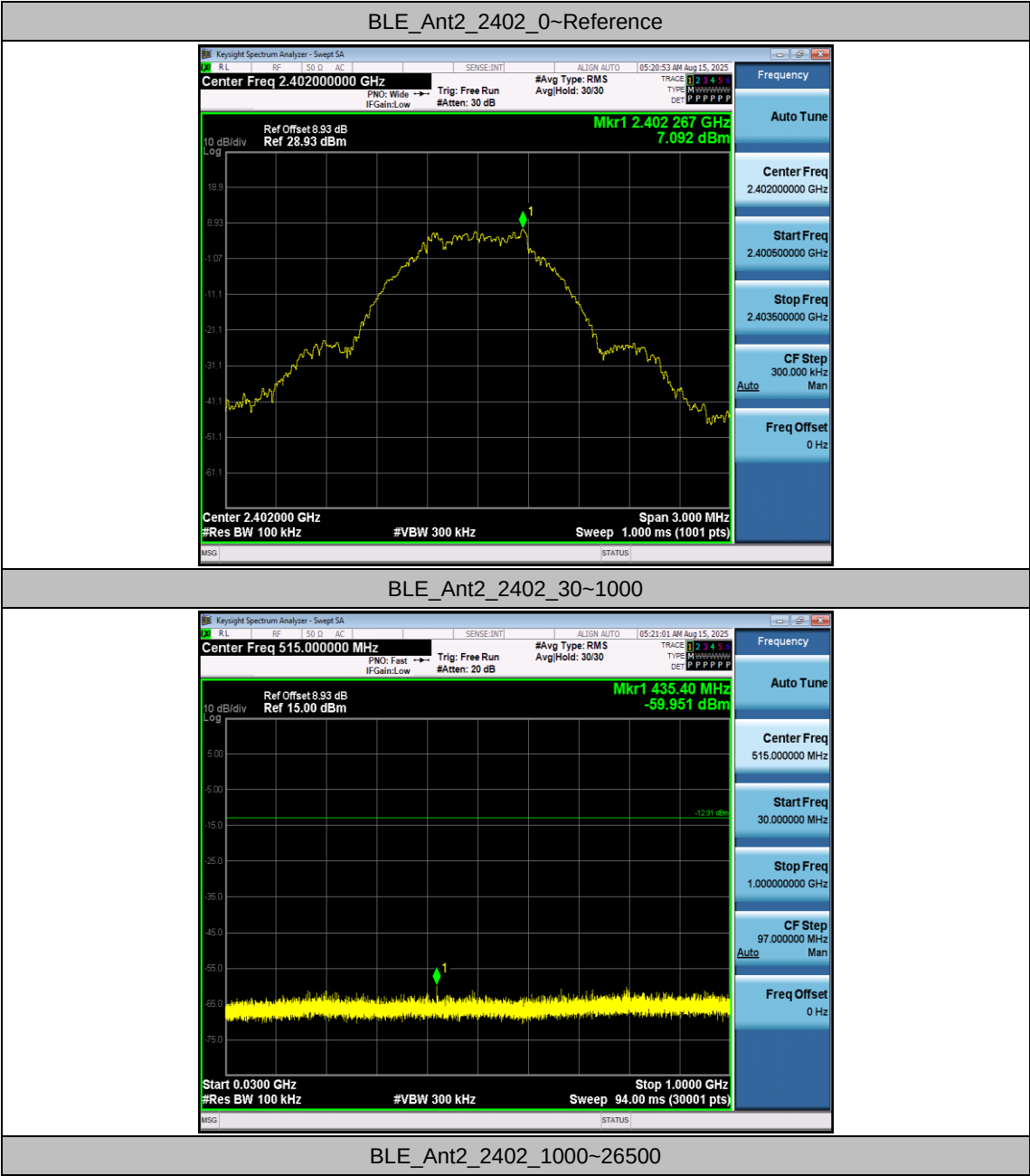


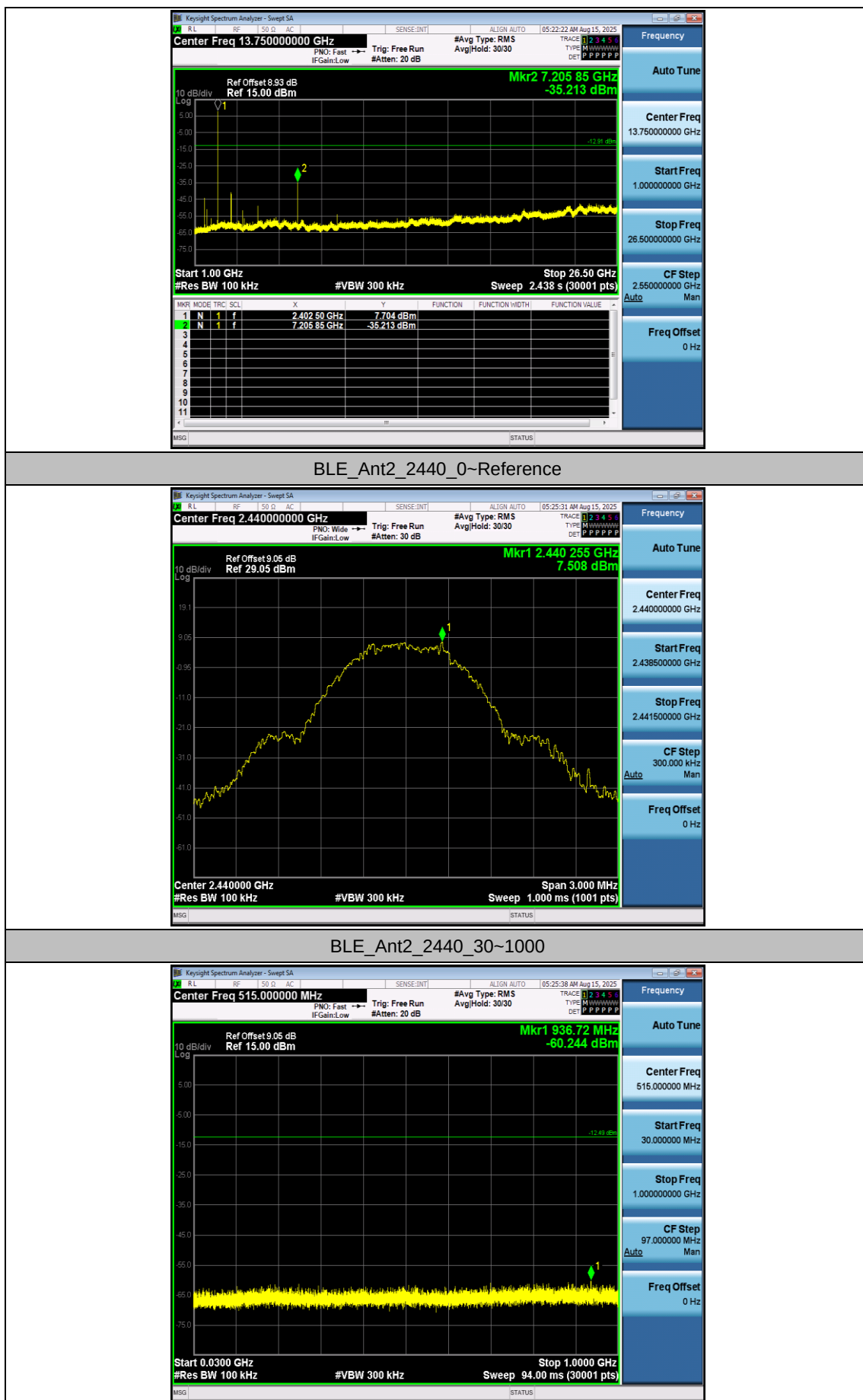
Appendix B.6:Conducted Spurious Emission

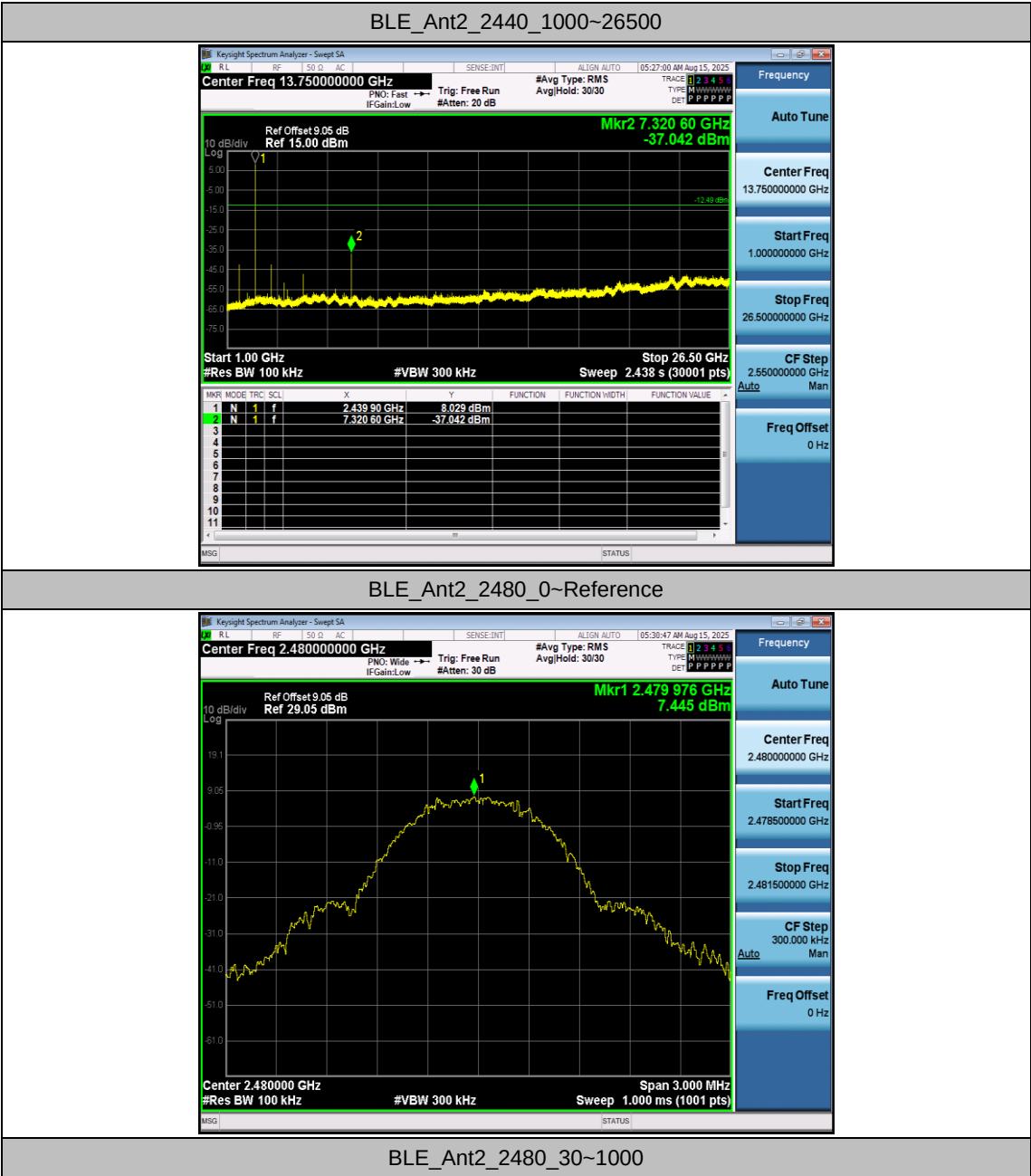
Test Result

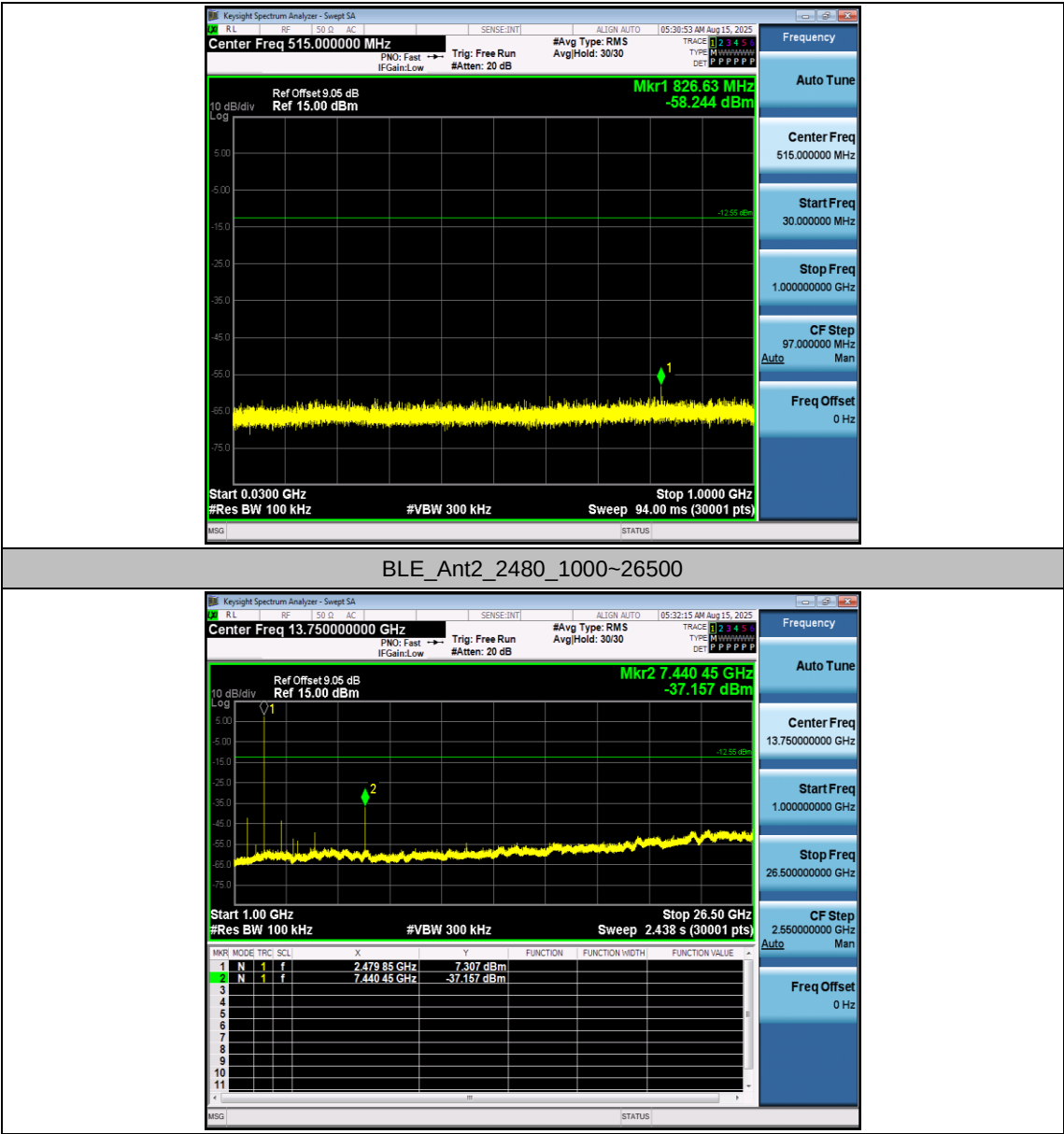
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant2	2402	Reference	7.09	7.09	---	PASS
			30~1000	7.09	-59.95	≤ -12.91	PASS
			1000~26500	7.09	-35.21	≤ -12.91	PASS
		2440	Reference	7.51	7.51	---	PASS
			30~1000	7.51	-60.24	≤ -12.49	PASS
			1000~26500	7.51	-37.04	≤ -12.49	PASS
		2480	Reference	7.45	7.45	---	PASS
			30~1000	7.45	-58.24	≤ -12.55	PASS
			1000~26500	7.45	-37.16	≤ -12.55	PASS

Test Graphs







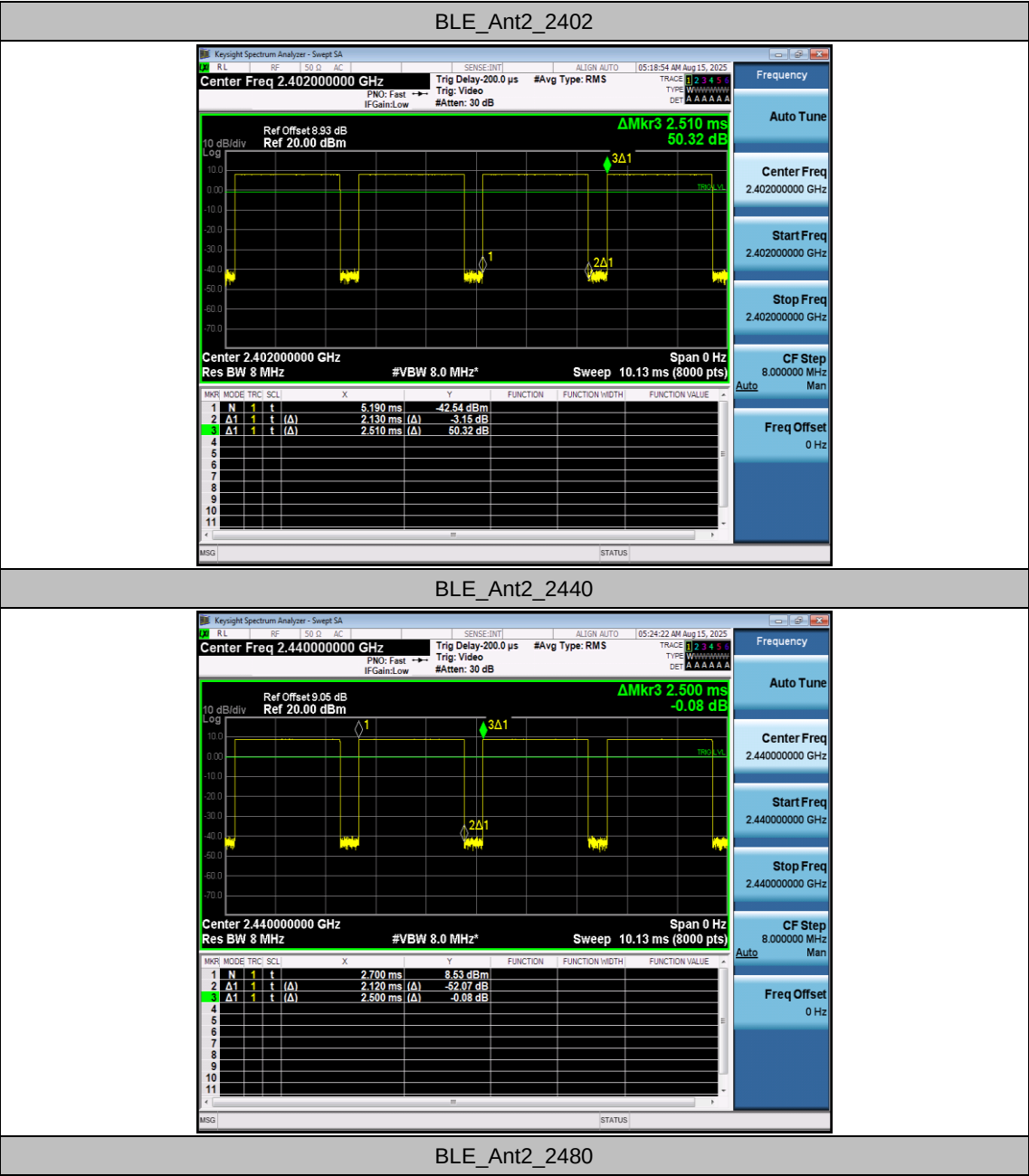


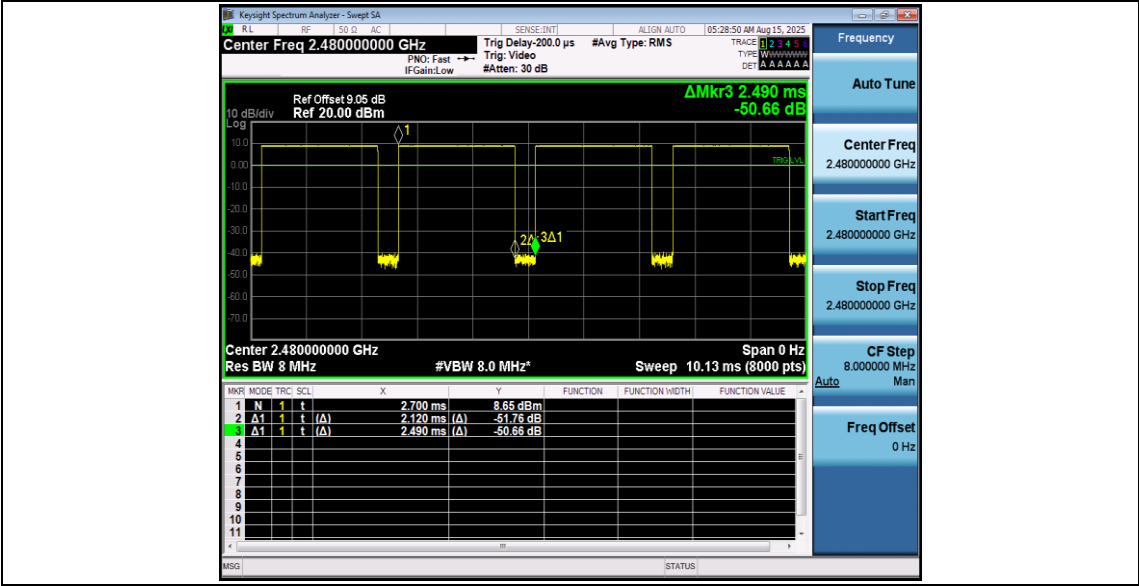
Appendix B.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant2	2402	2.13	2.51	0.8486	84.86	0.71	0.47
		2440	2.12	2.50	0.8480	84.80	0.72	0.47
		2480	2.12	2.49	0.8514	85.14	0.70	0.47

Test Graphs





Appendix B.8:Emissions in Restricted Bands

Test Result

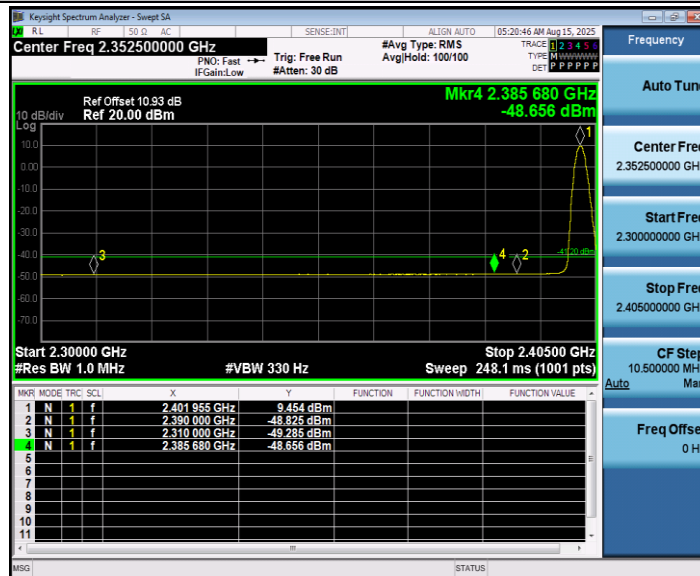
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE	Ant2	Low	2402	AV	2310.000	-49.29	≤-41.20	45.91	≤54	PASS
				AV	2385.680	-48.66	≤-41.20	46.54	≤54	PASS
				AV	2390.000	-48.83	≤-41.20	46.37	≤54	PASS
				Peak	2310.000	-42.58	≤-21.20	52.62	≤74	PASS
				Peak	2389.565	-39	≤-21.20	56.20	≤74	PASS
				Peak	2390.000	-41.52	≤-21.20	53.68	≤74	PASS
		High	2480	AV	2483.500	-44.78	≤-41.20	50.42	≤54	PASS
				AV	2483.520	-44.78	≤-41.20	50.42	≤54	PASS
				AV	2500.000	-48.53	≤-41.20	46.67	≤54	PASS
				Peak	2483.500	-39.59	≤-21.20	55.61	≤74	PASS
				Peak	2497.200	-38.75	≤-21.20	56.45	≤74	PASS
				Peak	2500.000	-41.52	≤-21.20	53.68	≤74	PASS

Note:

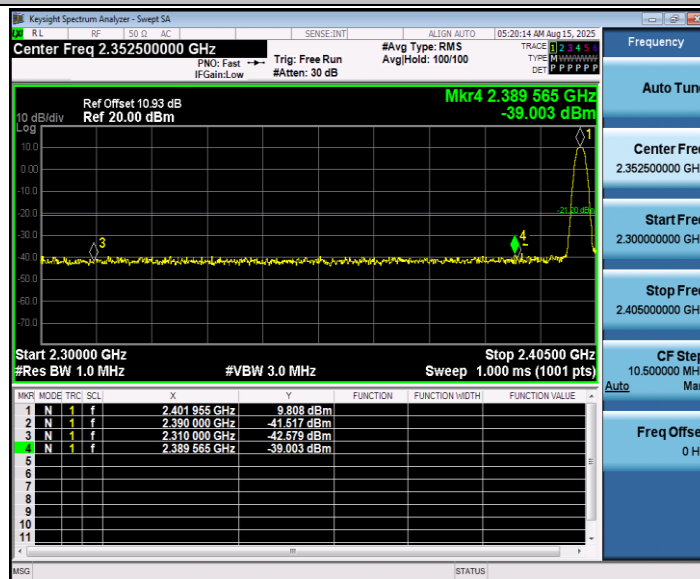
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

BLE_Ant2_Low_2402_AV



BLE_Ant2_Low_2402_Peak



BLE_Ant2_High_2480_AV

