

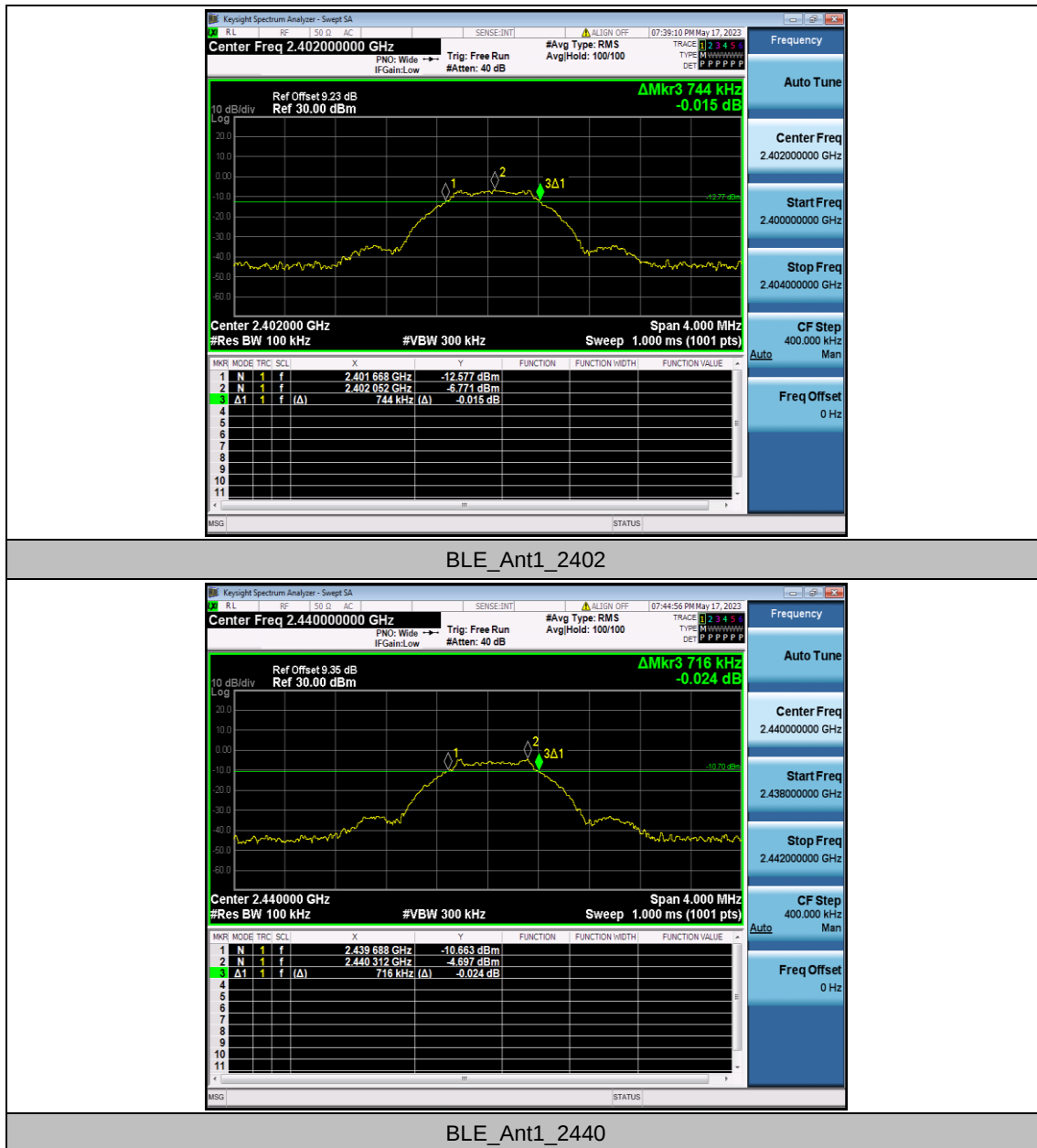
Case No. : <u>GTS20230418003-1-1</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.17</u>	Test Engineer: <u>Jenny zeng</u>

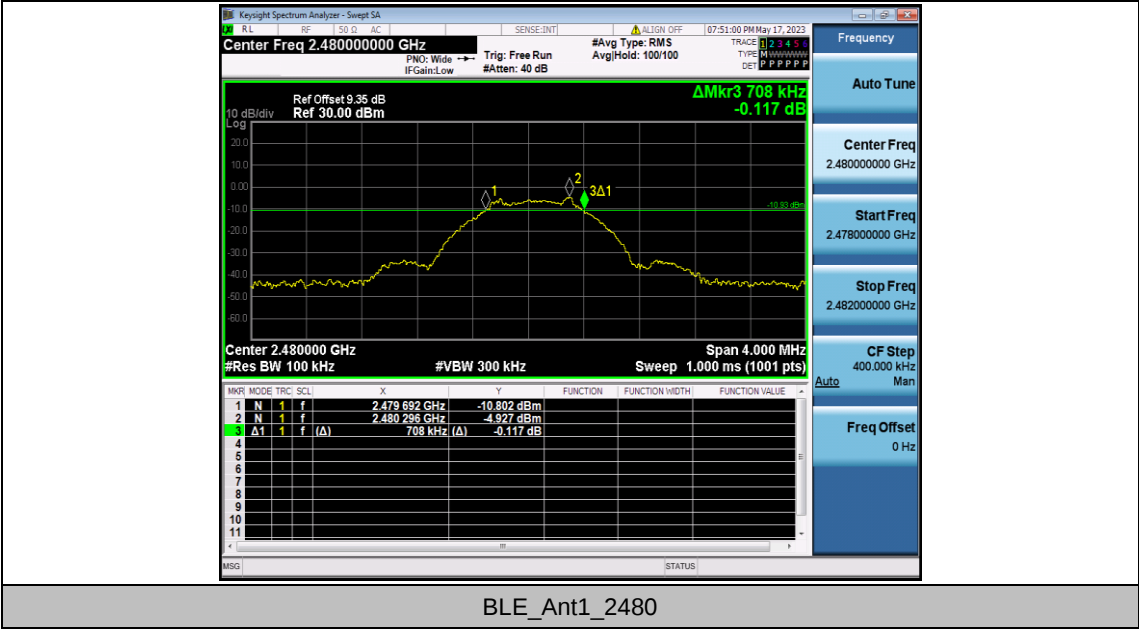
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.744	2401.668	2402.412	0.5	PASS
		2440	0.716	2439.688	2440.404	0.5	PASS
		2480	0.708	2479.692	2480.400	0.5	PASS

Test Graphs





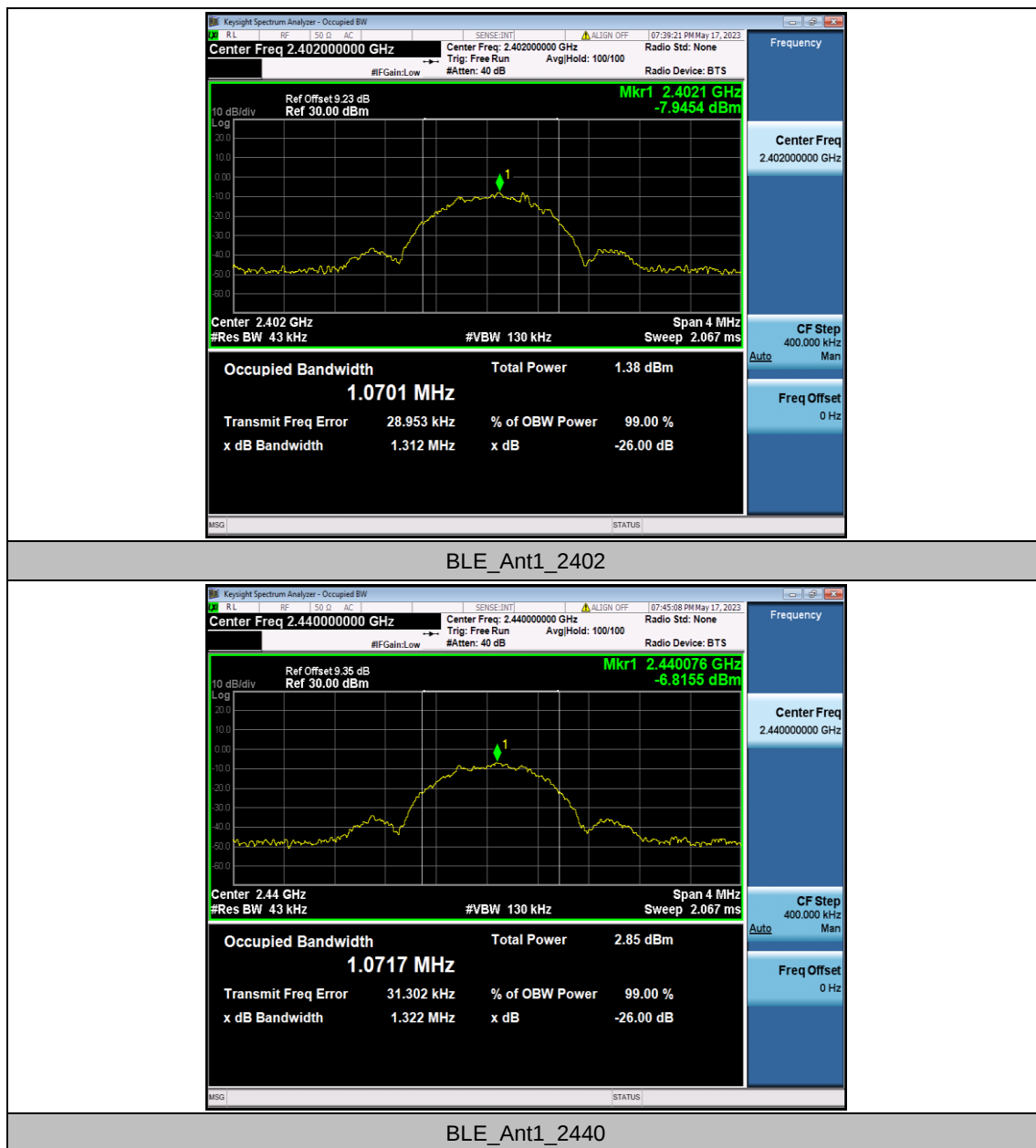
BLE_Ant1_2480

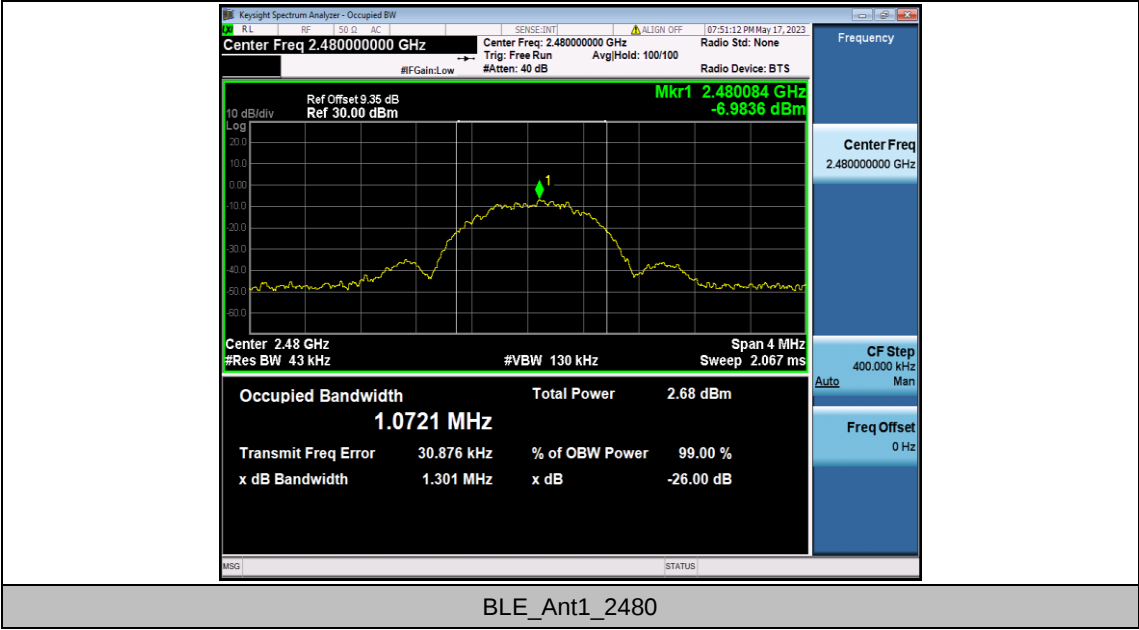
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0701	2401.494	2402.564	---	---
		2440	1.0717	2439.495	2440.567	---	---
		2480	1.0721	2479.495	2480.567	---	---

Test Graphs





BLE_Ant1_2480

Appendix A.3: Maximum conducted output power

Test Result Peak

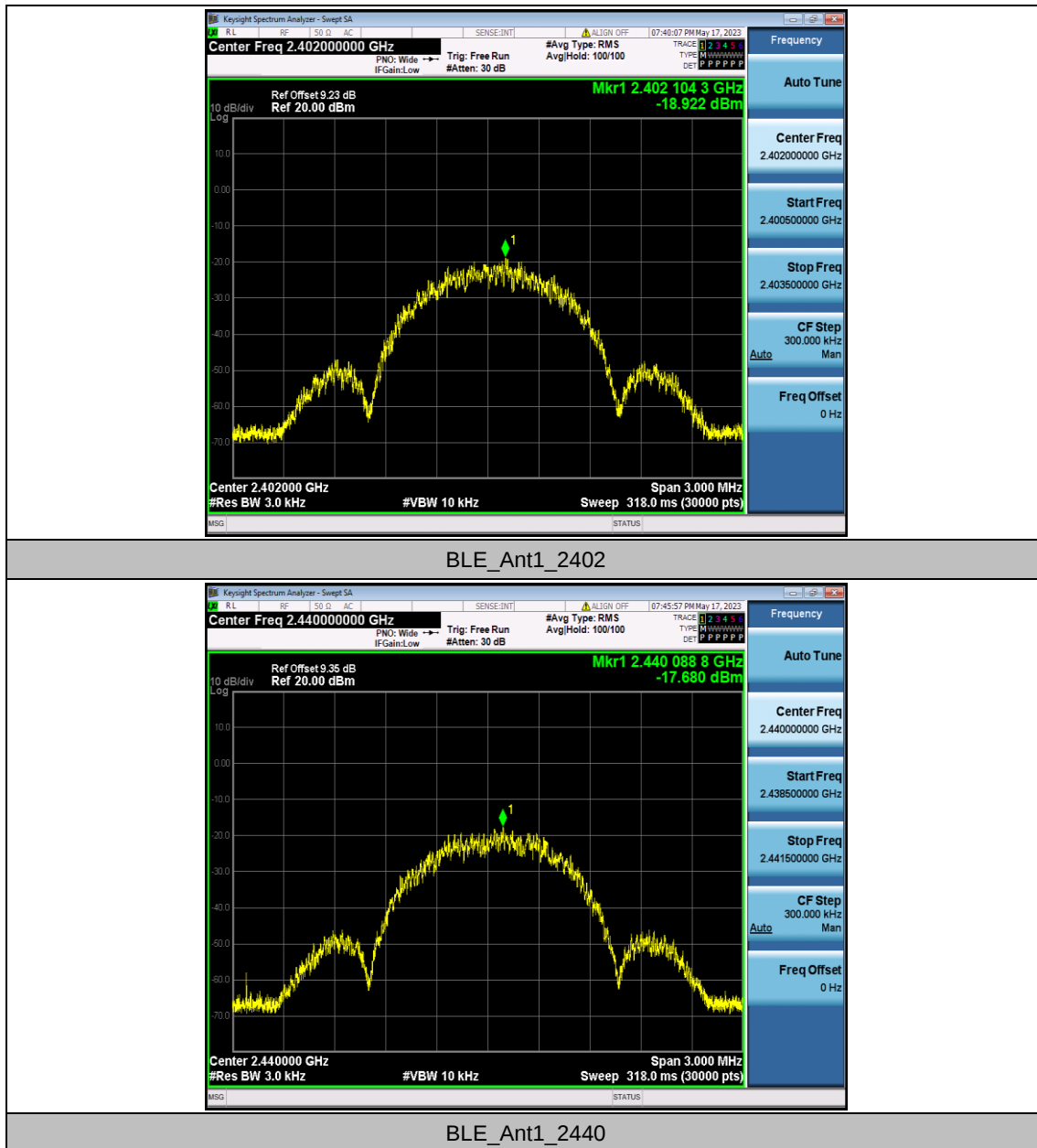
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-5.16	≤30	PASS
		2440	-3.79	≤30	PASS
		2480	-4.14	≤30	PASS

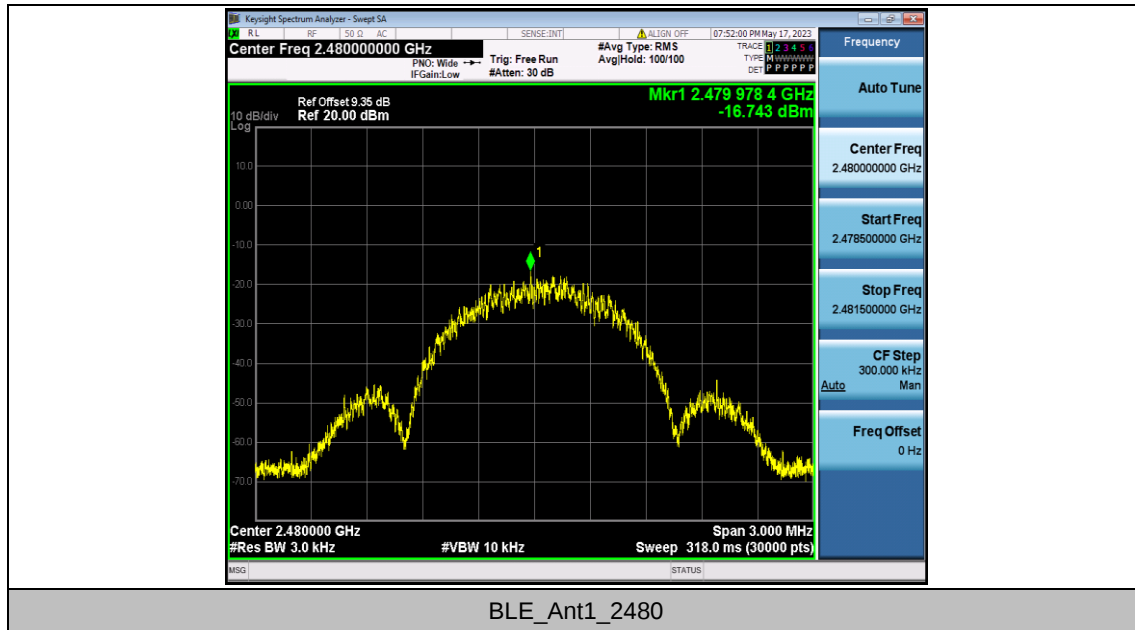
Appendix A.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-18.92	≤8.00	PASS
		2440	-17.68	≤8.00	PASS
		2480	-16.74	≤8.00	PASS

Test Graphs



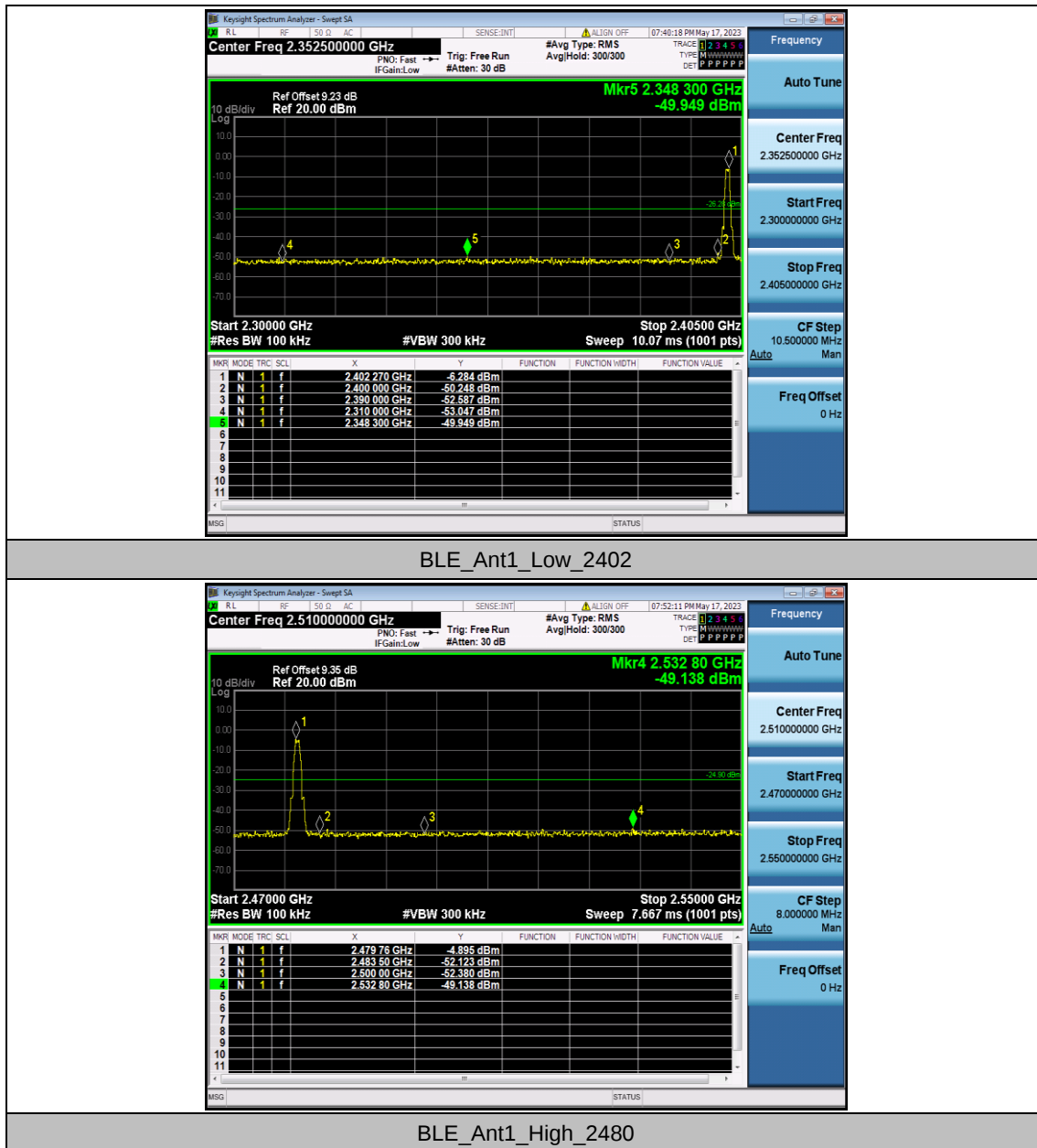


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-6.28	-49.95	≤ -26.28	PASS
		High	2480	-4.90	-49.14	≤ -24.9	PASS

Test Graphs

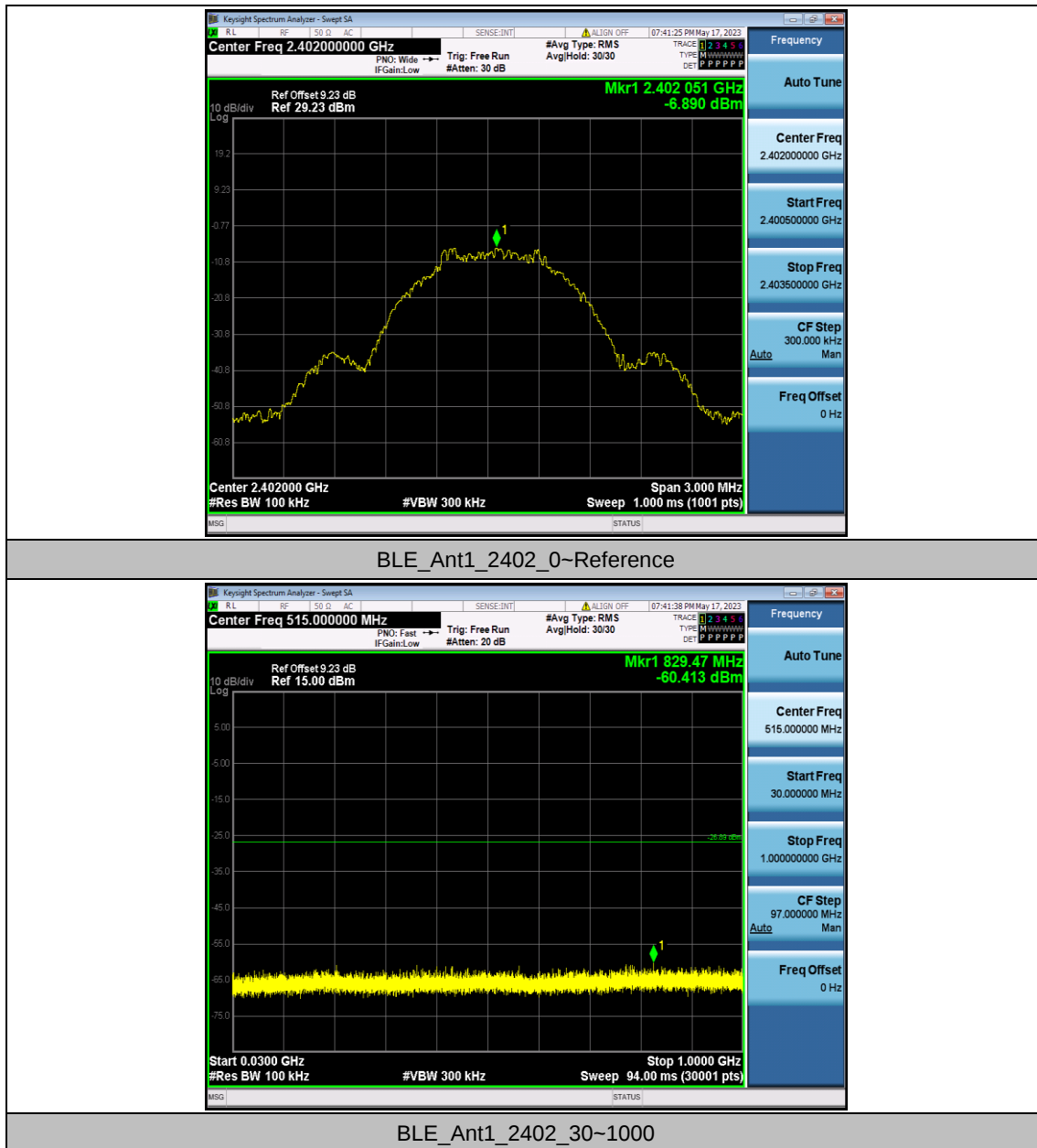


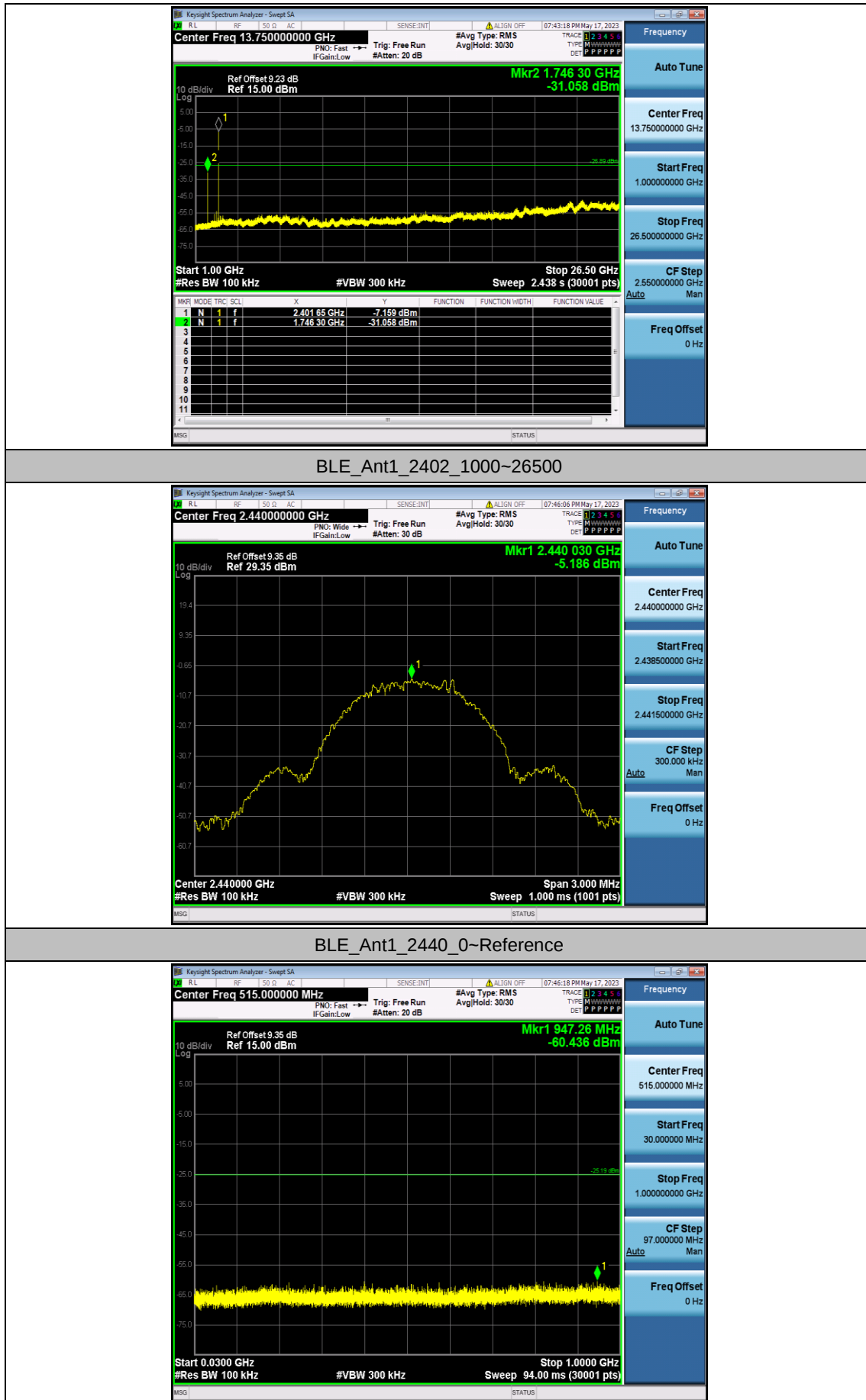
Appendix A.6: Conducted Spurious Emission

Test Result

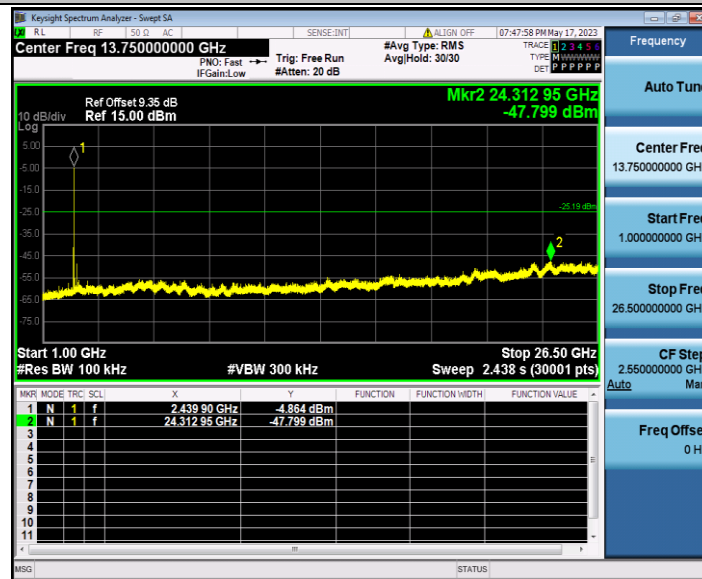
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-6.89	-6.89	---	PASS
			30~1000	-6.89	-60.41	≤ -26.89	PASS
			1000~26500	-6.89	-31.06	≤ -26.89	PASS
		2440	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-60.44	≤ -25.19	PASS
			1000~26500	-5.19	-47.8	≤ -25.19	PASS
		2480	Reference	-6.08	-6.08	---	PASS
			30~1000	-6.08	-60.41	≤ -26.08	PASS
			1000~26500	-6.08	-47.88	≤ -26.08	PASS

Test Graphs





BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference

