

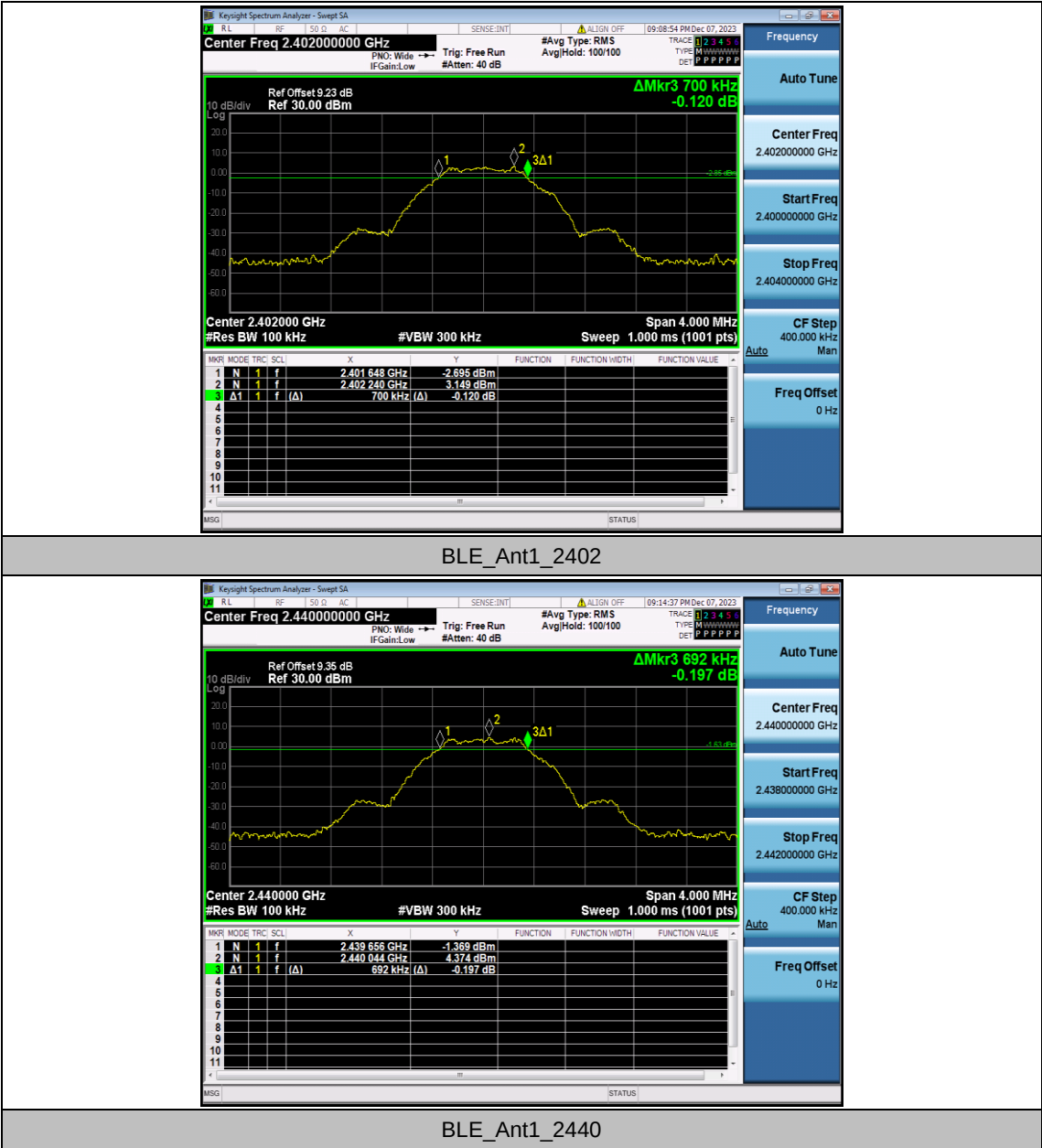
Case No. : <u>GTS20231012003-1-9</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.7</u>	Test Engineer: <u>Evan ouyang</u>

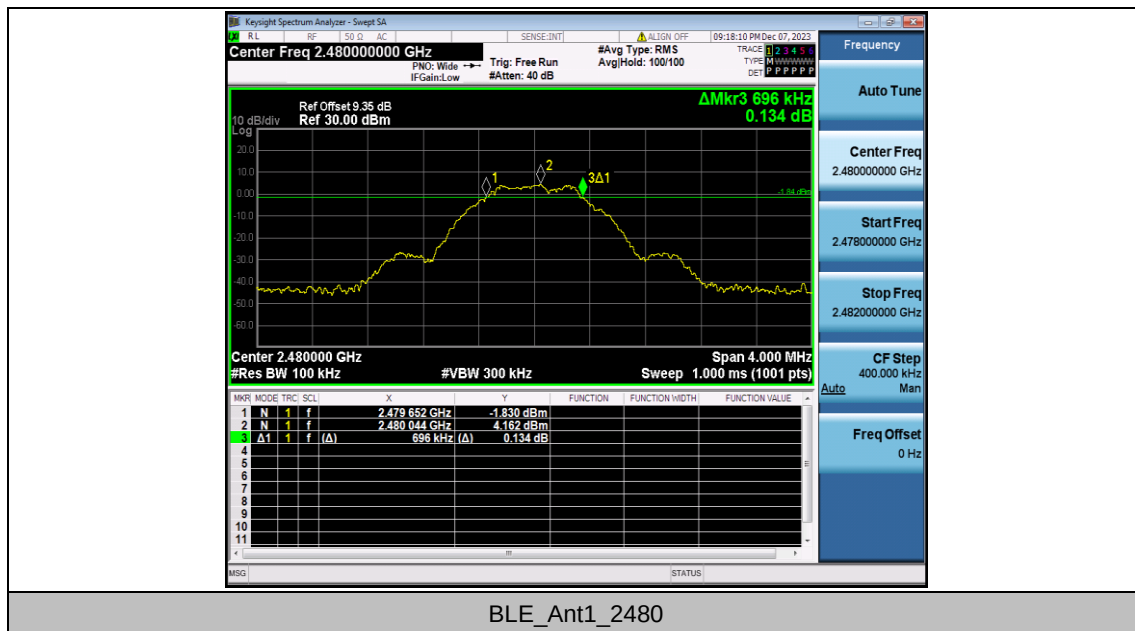
Appendix B.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.700	2401.648	2402.348	0.5	PASS
		2440	0.692	2439.656	2440.348	0.5	PASS
		2480	0.696	2479.652	2480.348	0.5	PASS

Test Graphs





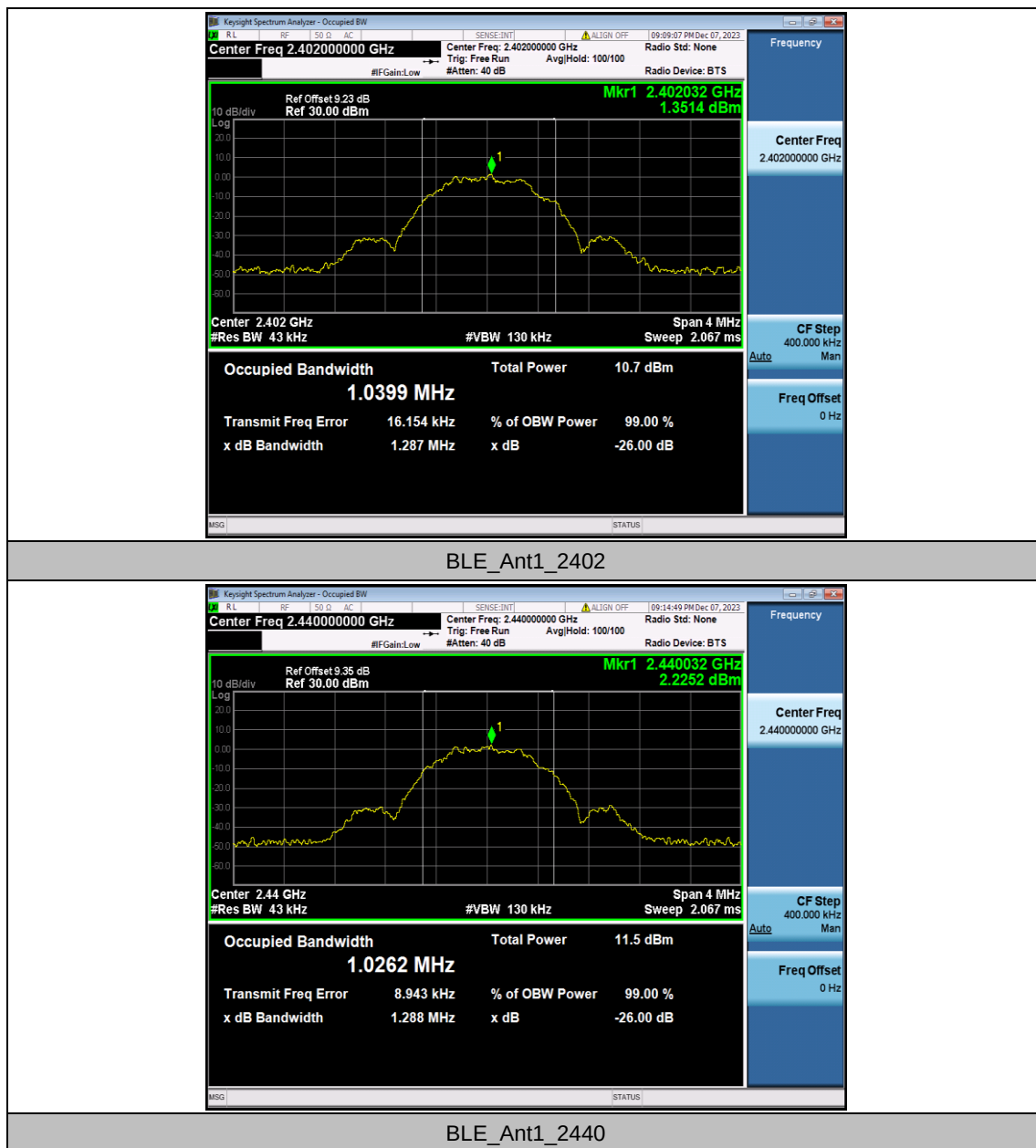
BLE_Ant1_2480

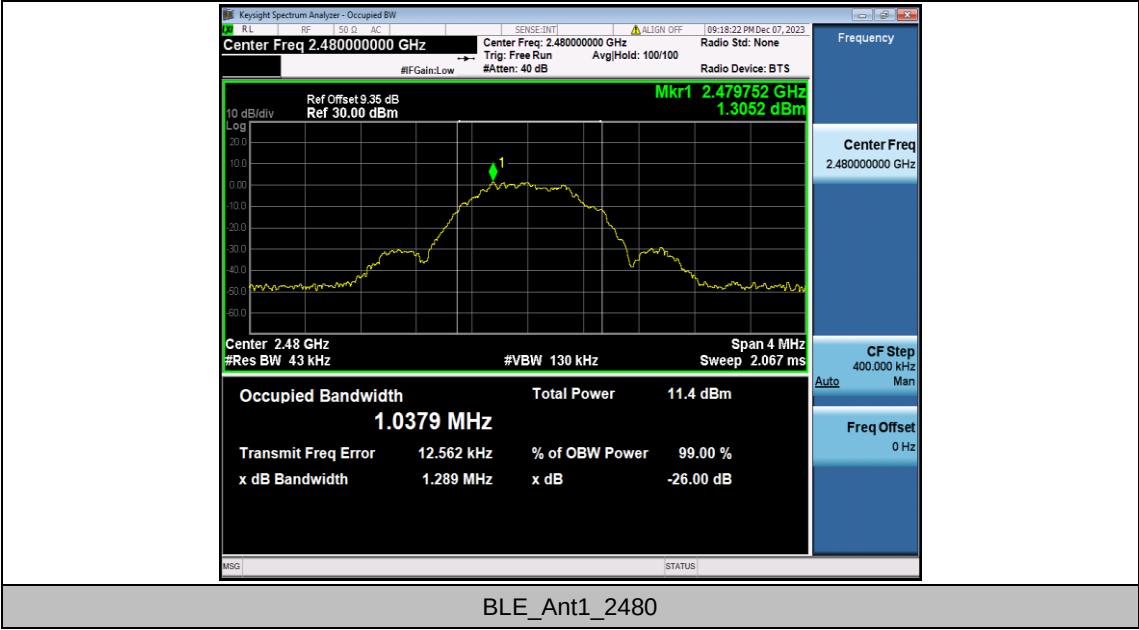
Appendix B.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0399	2401.496	2402.536	---	---
		2440	1.0262	2439.496	2440.522	---	---
		2480	1.0379	2479.494	2480.532	---	---

Test Graphs





BLE_Ant1_2480

Appendix B.3: Maximum conducted output power

Test Result Peak

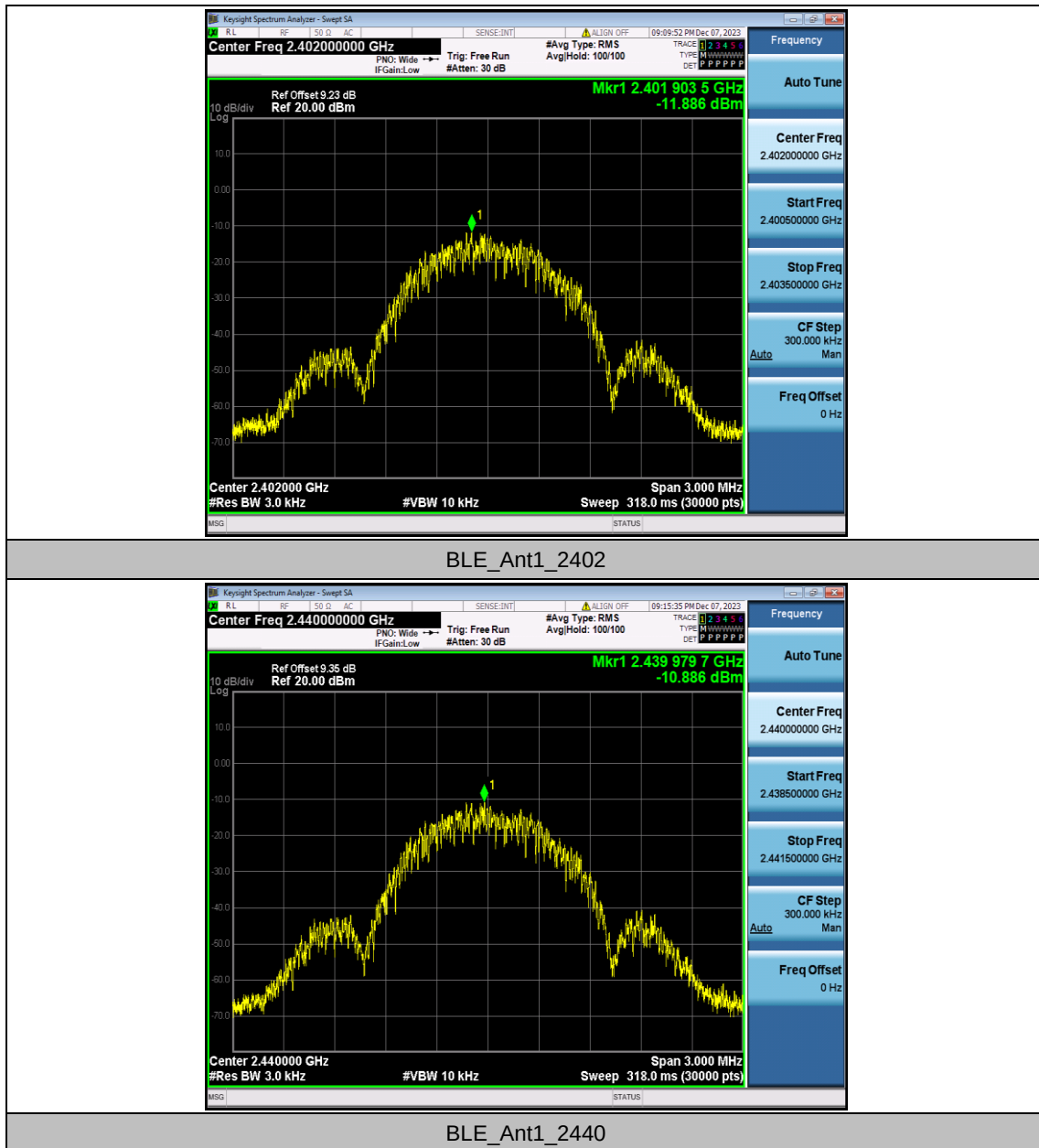
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	4.09	≤30	PASS
		2440	5.12	≤30	PASS
		2480	4.97	≤30	PASS

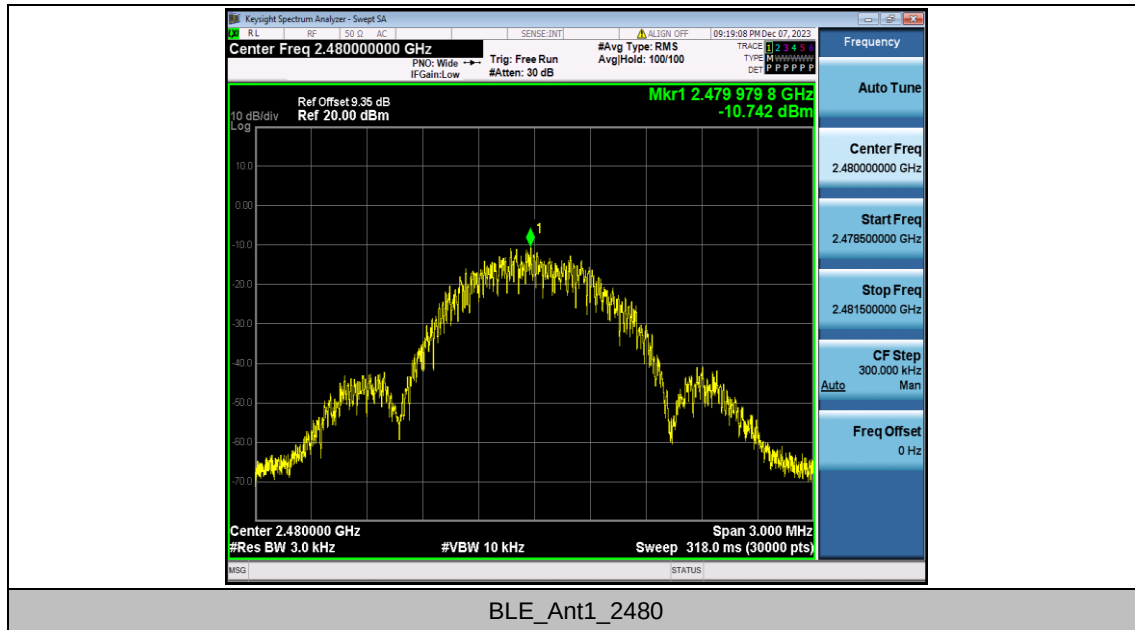
Appendix B.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.89	≤8.00	PASS
		2440	-10.89	≤8.00	PASS
		2480	-10.74	≤8.00	PASS

Test Graphs



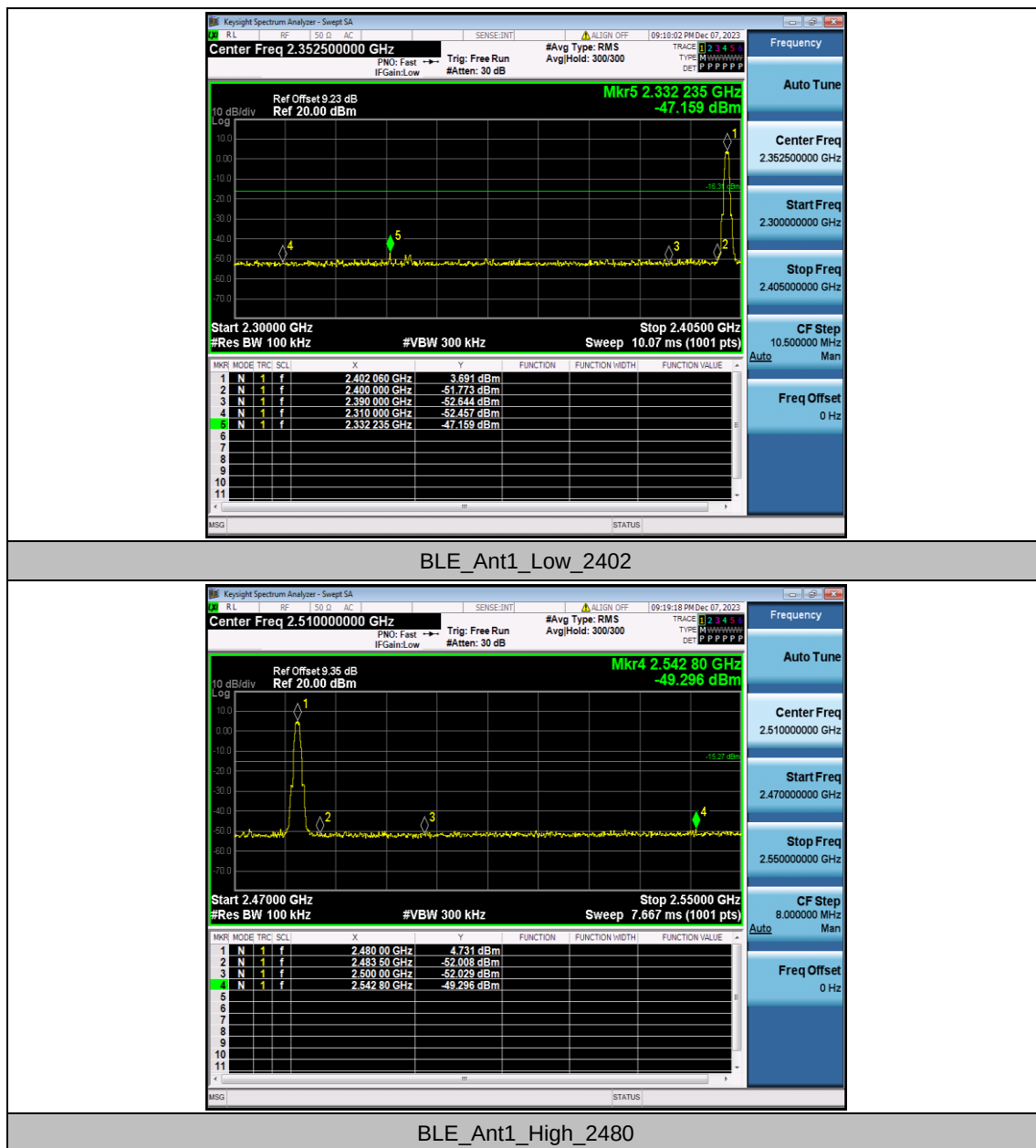


Appendix B.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	3.69	-47.16	≤ -16.31	PASS
		High	2480	4.73	-49.3	≤ -15.27	PASS

Test Graphs

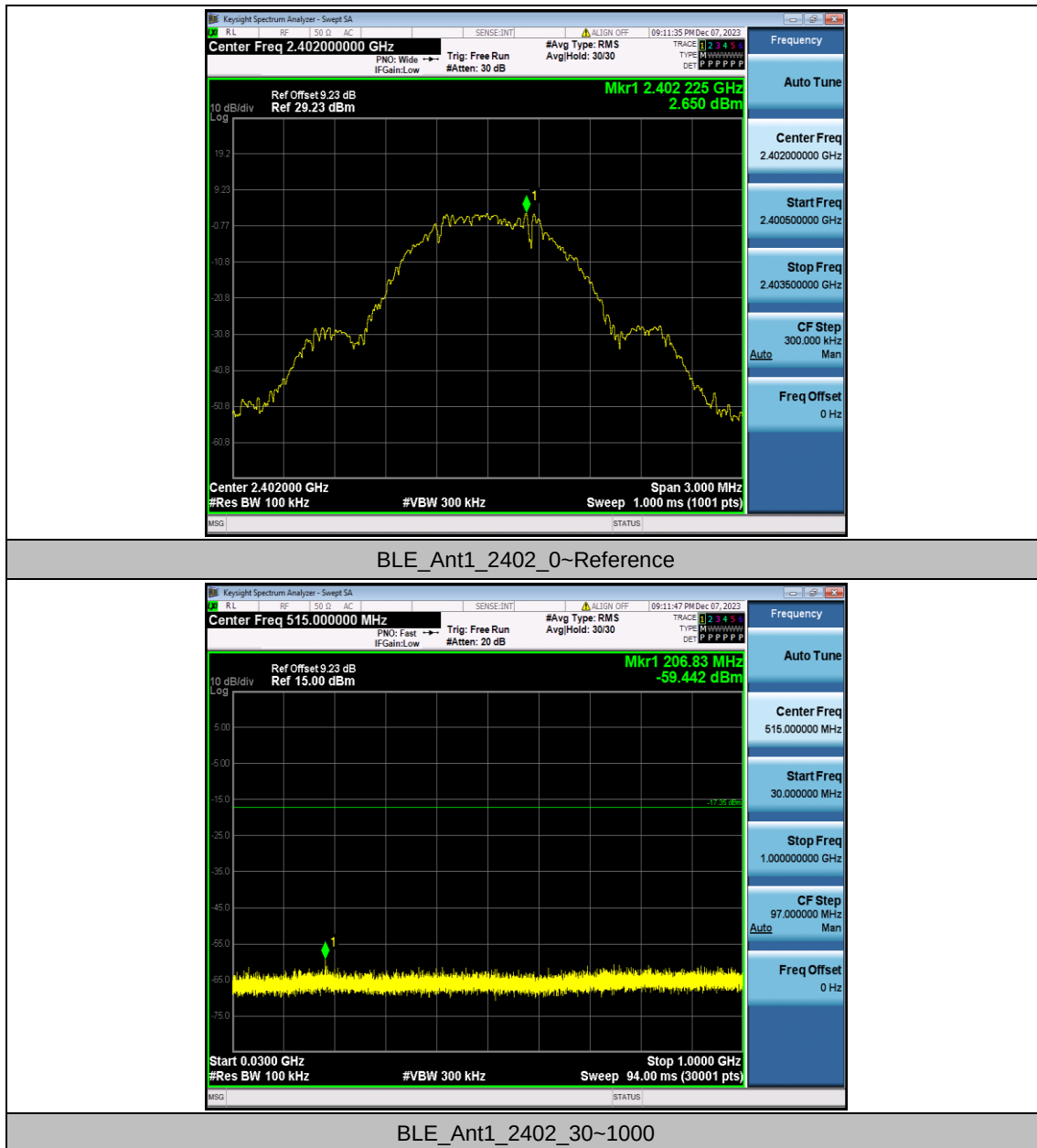


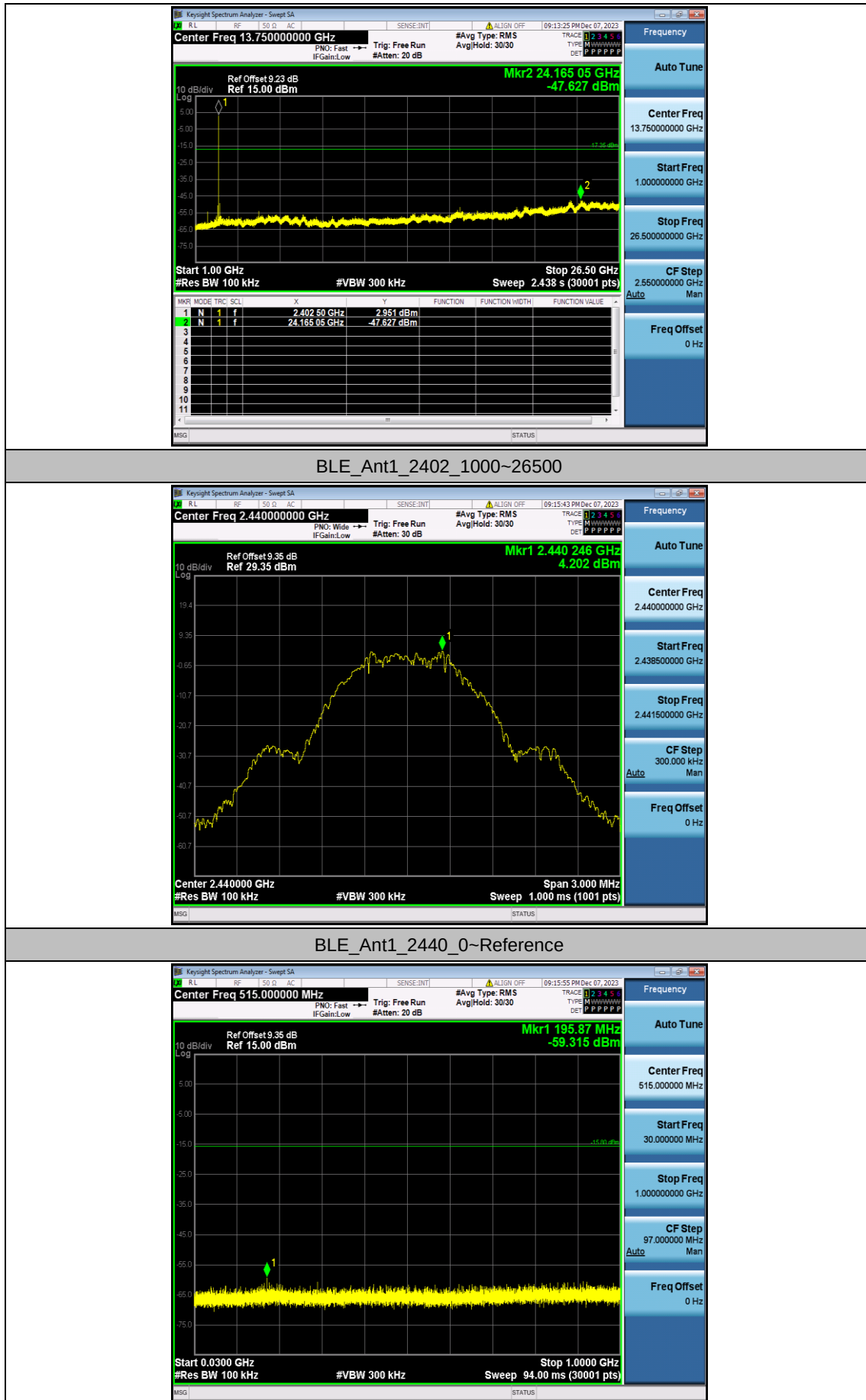
Appendix B.6: Conducted Spurious Emission

Test Result

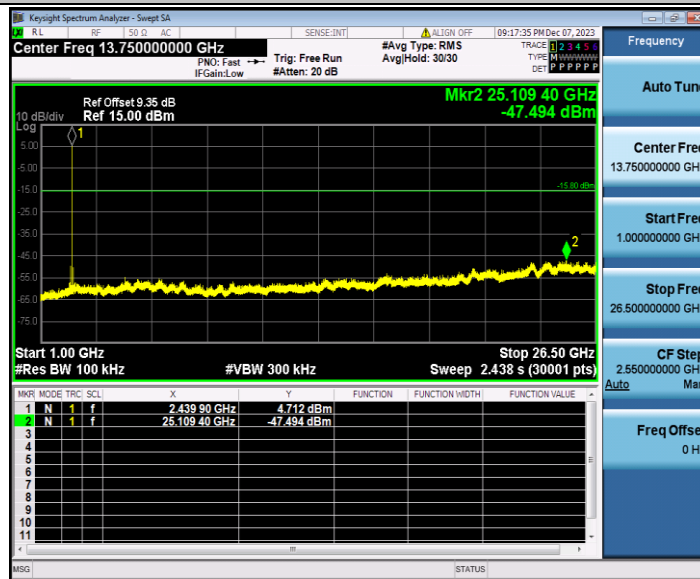
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.65	2.65	---	PASS
			30~1000	2.65	-59.44	≤ -17.35	PASS
			1000~26500	2.65	-47.63	≤ -17.35	PASS
		2440	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-59.32	≤ -15.8	PASS
			1000~26500	4.20	-47.49	≤ -15.8	PASS
		2480	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-60.25	≤ -16.24	PASS
			1000~26500	3.76	-47.67	≤ -16.24	PASS

Test Graphs





BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference

