

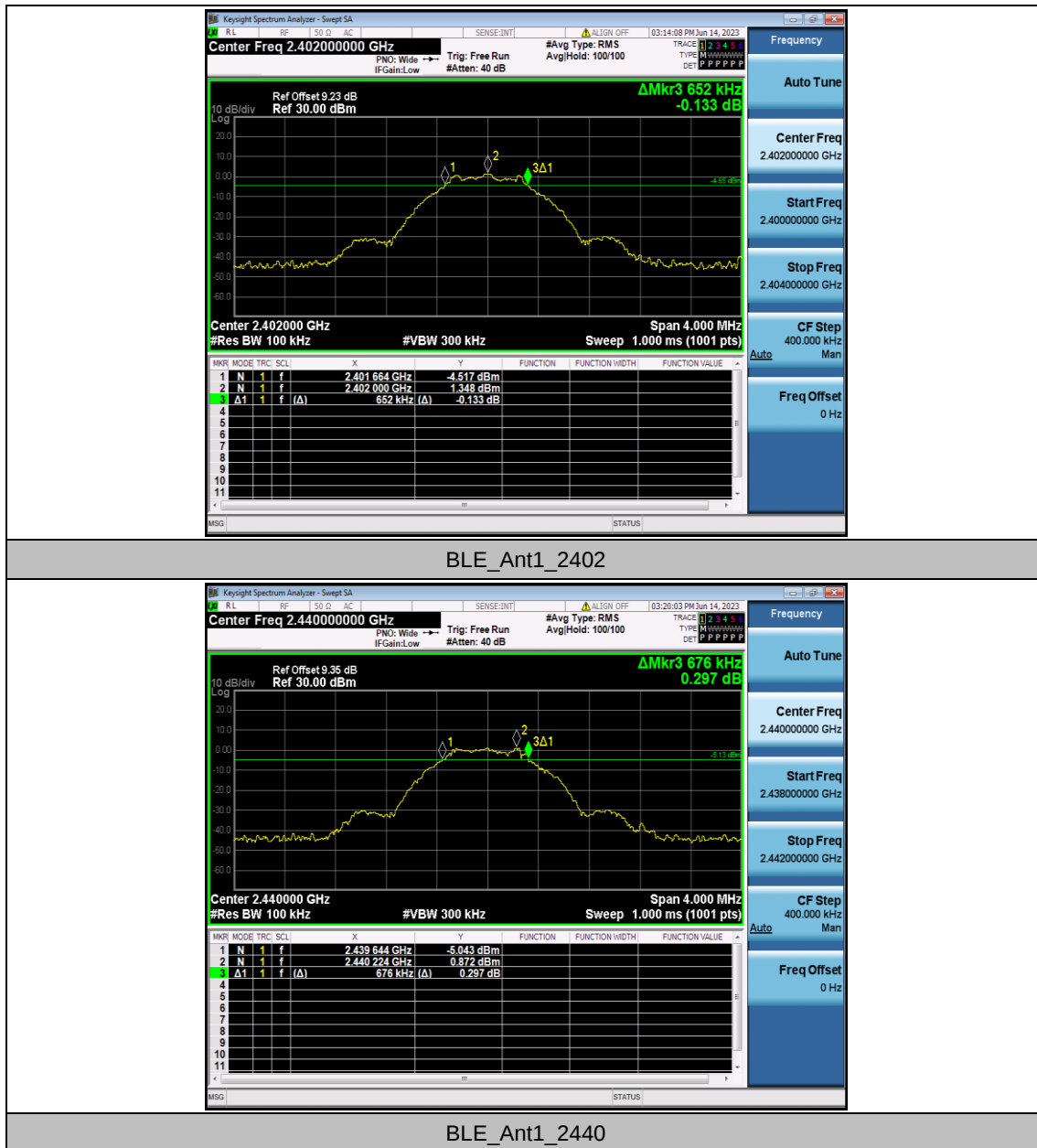
Case No. : <u>GTS20230525016-1-20</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.13</u>	Test Engineer: <u>Jenny zeng</u>

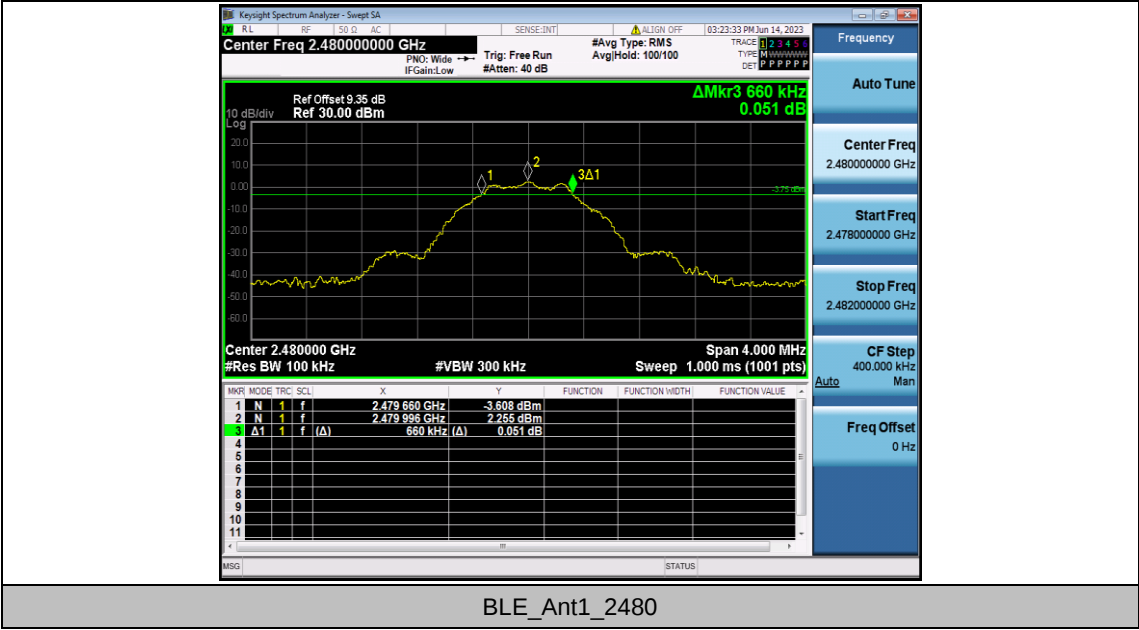
Appendix B.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.652	2401.664	2402.316	0.5	PASS
		2440	0.676	2439.644	2440.320	0.5	PASS
		2480	0.660	2479.660	2480.320	0.5	PASS

Test Graphs





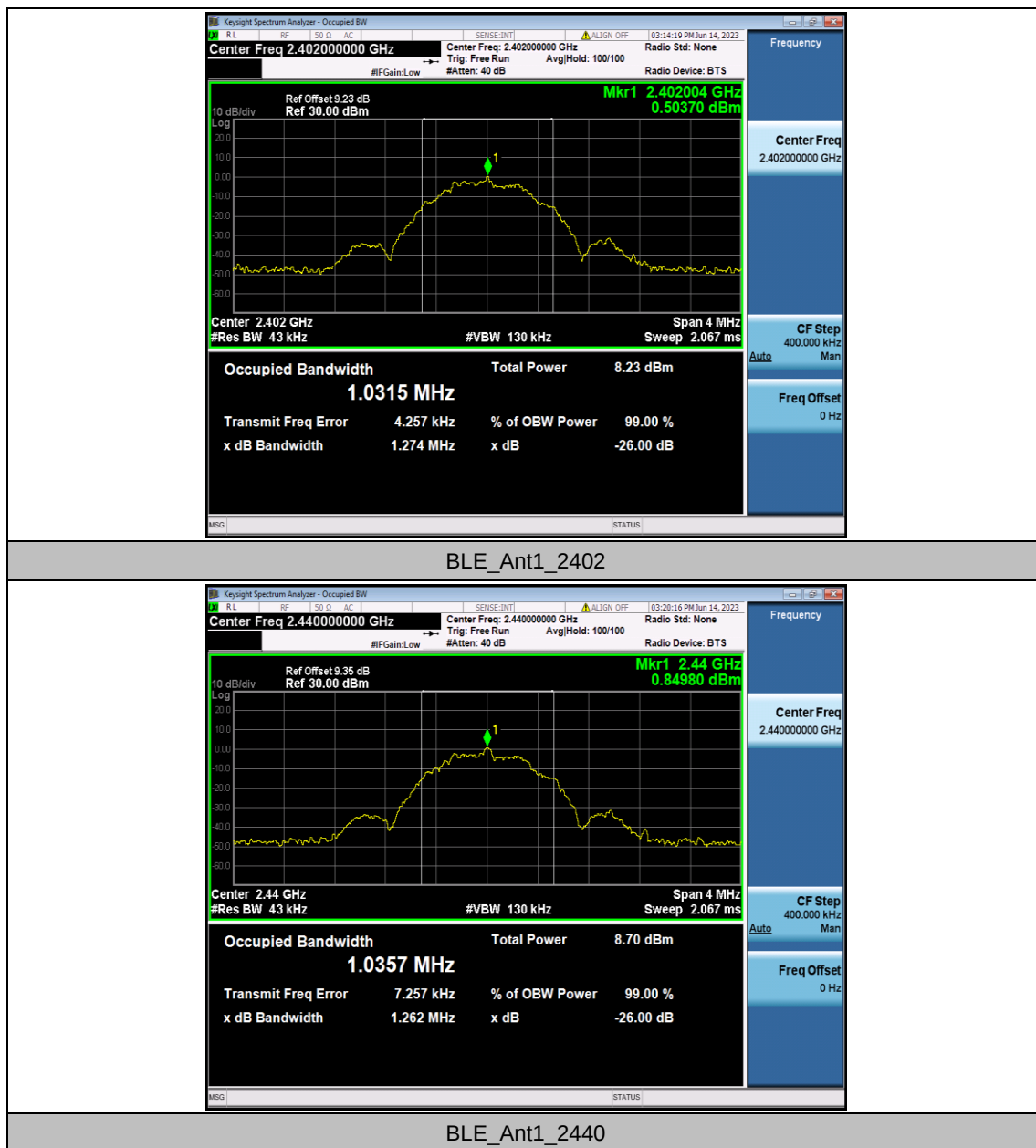
BLE_Ant1_2480

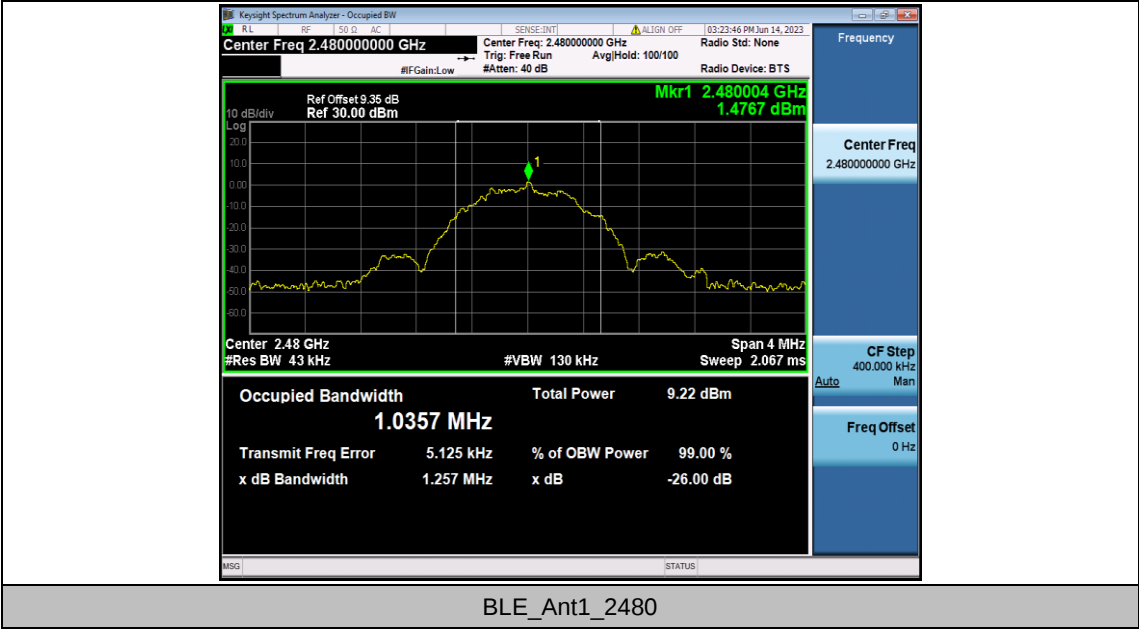
Appendix B.2: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0315	2401.489	2402.520	---	---
		2440	1.0357	2439.489	2440.525	---	---
		2480	1.0357	2479.487	2480.523	---	---

Test Graphs





BLE_Ant1_2480

Appendix B.3: Maximum conducted output power

Test Result Peak

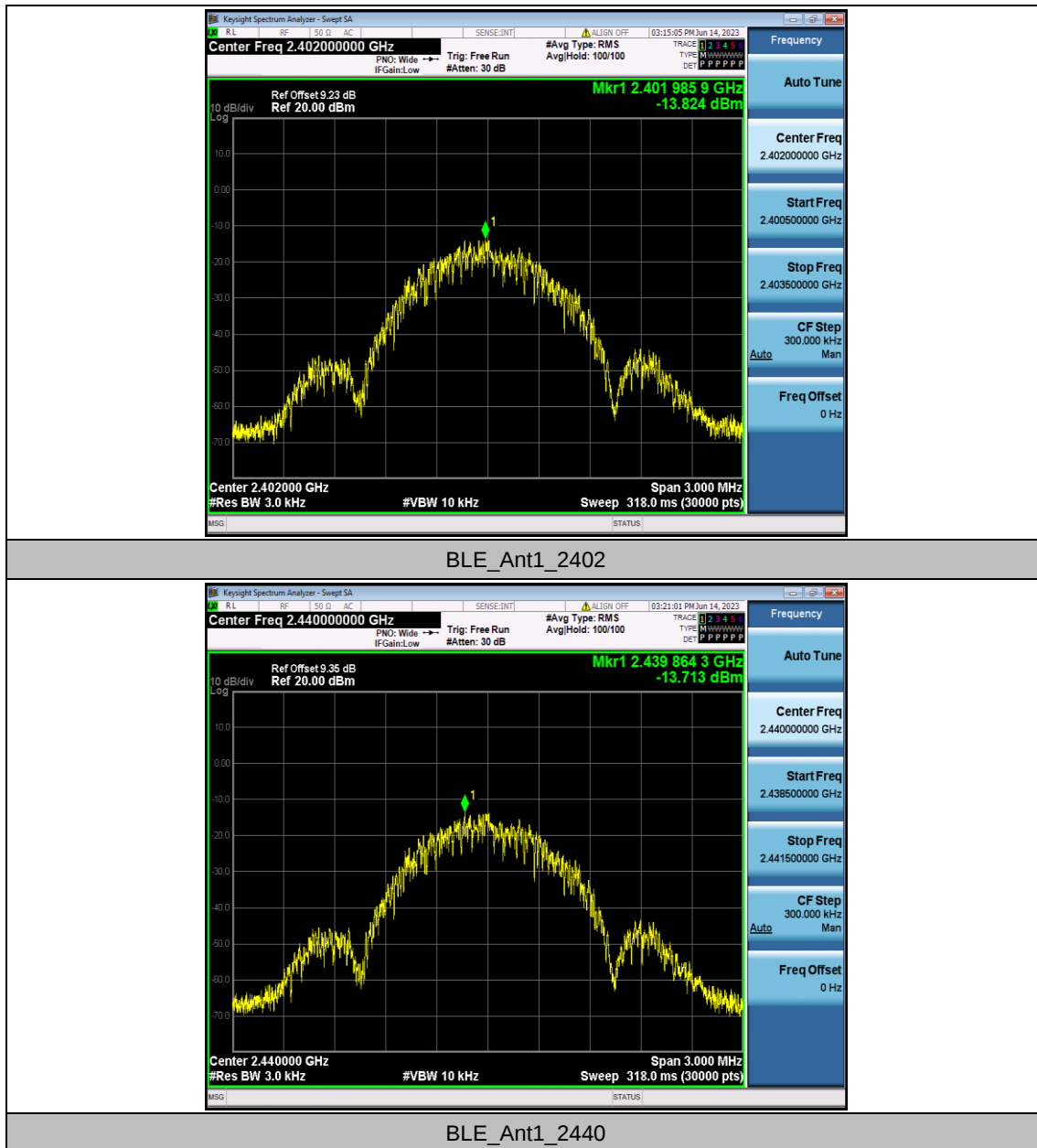
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	1.61	≤30	PASS
		2440	1.94	≤30	PASS
		2480	2.54	≤30	PASS

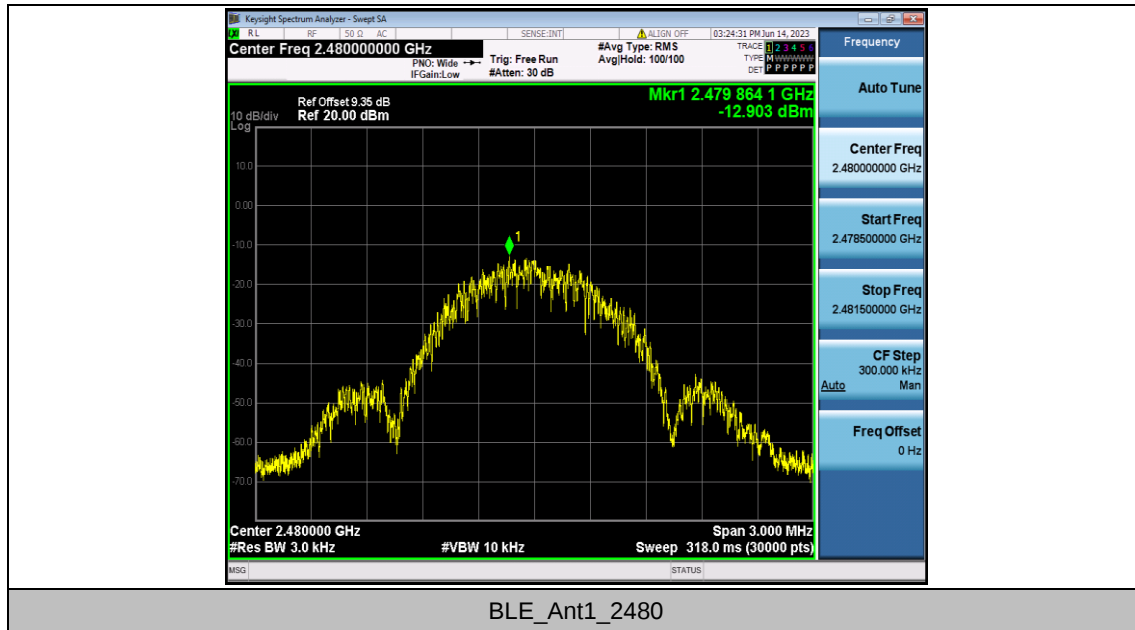
Appendix B.4: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-13.82	≤8.00	PASS
		2440	-13.71	≤8.00	PASS
		2480	-12.9	≤8.00	PASS

Test Graphs



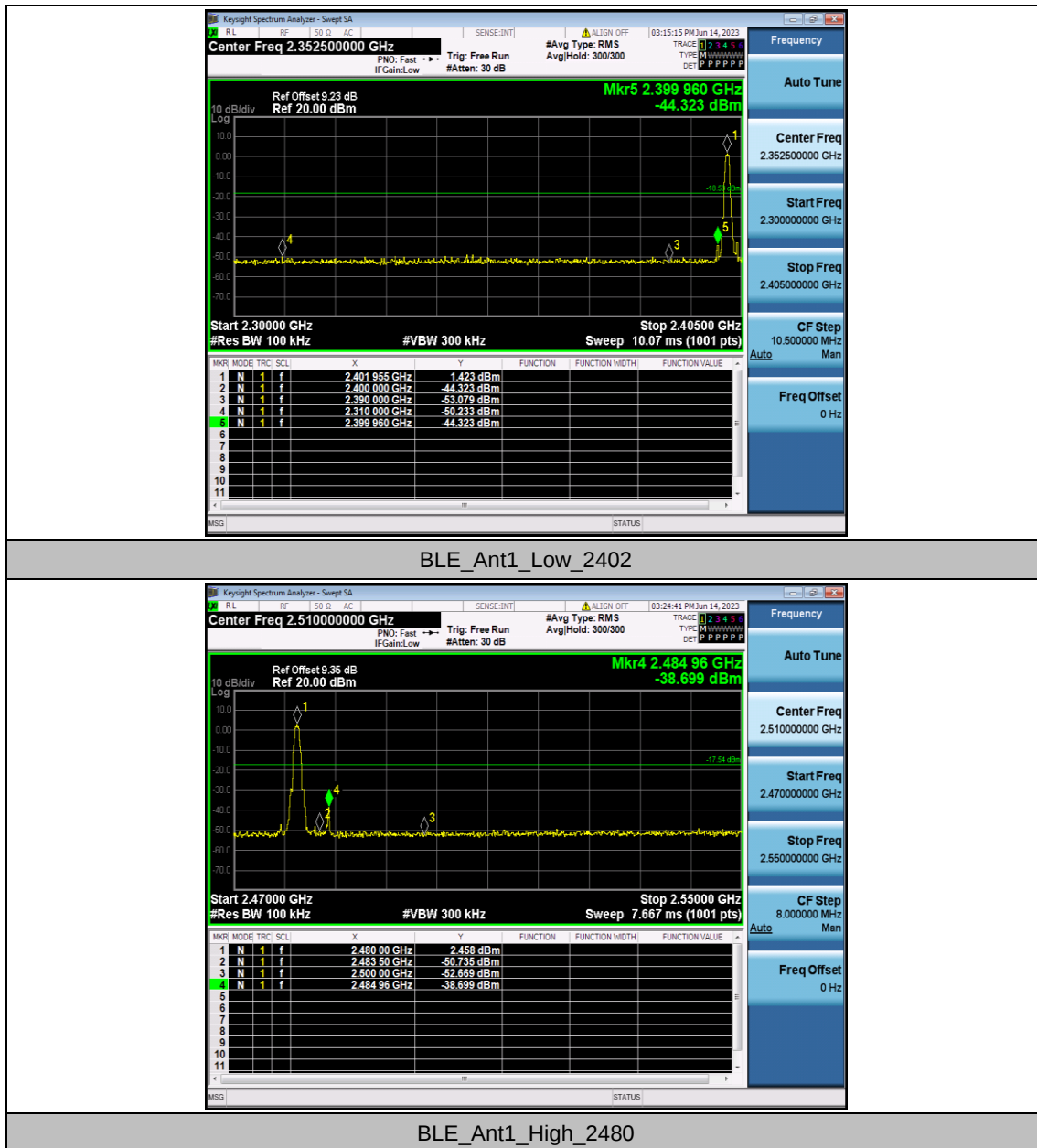


Appendix B.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.42	-44.32	≤ -18.58	PASS
		High	2480	2.46	-38.7	≤ -17.54	PASS

Test Graphs

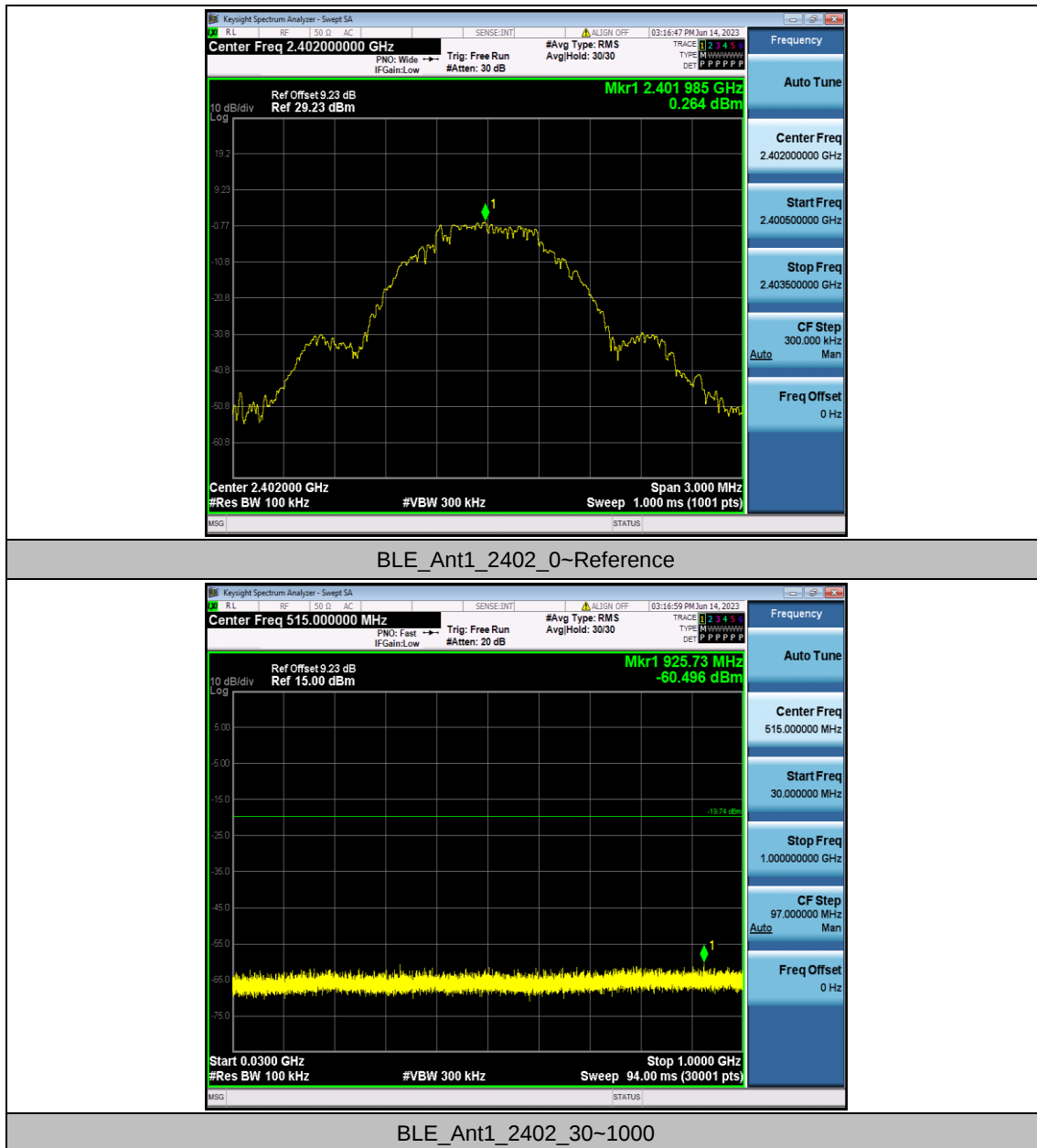


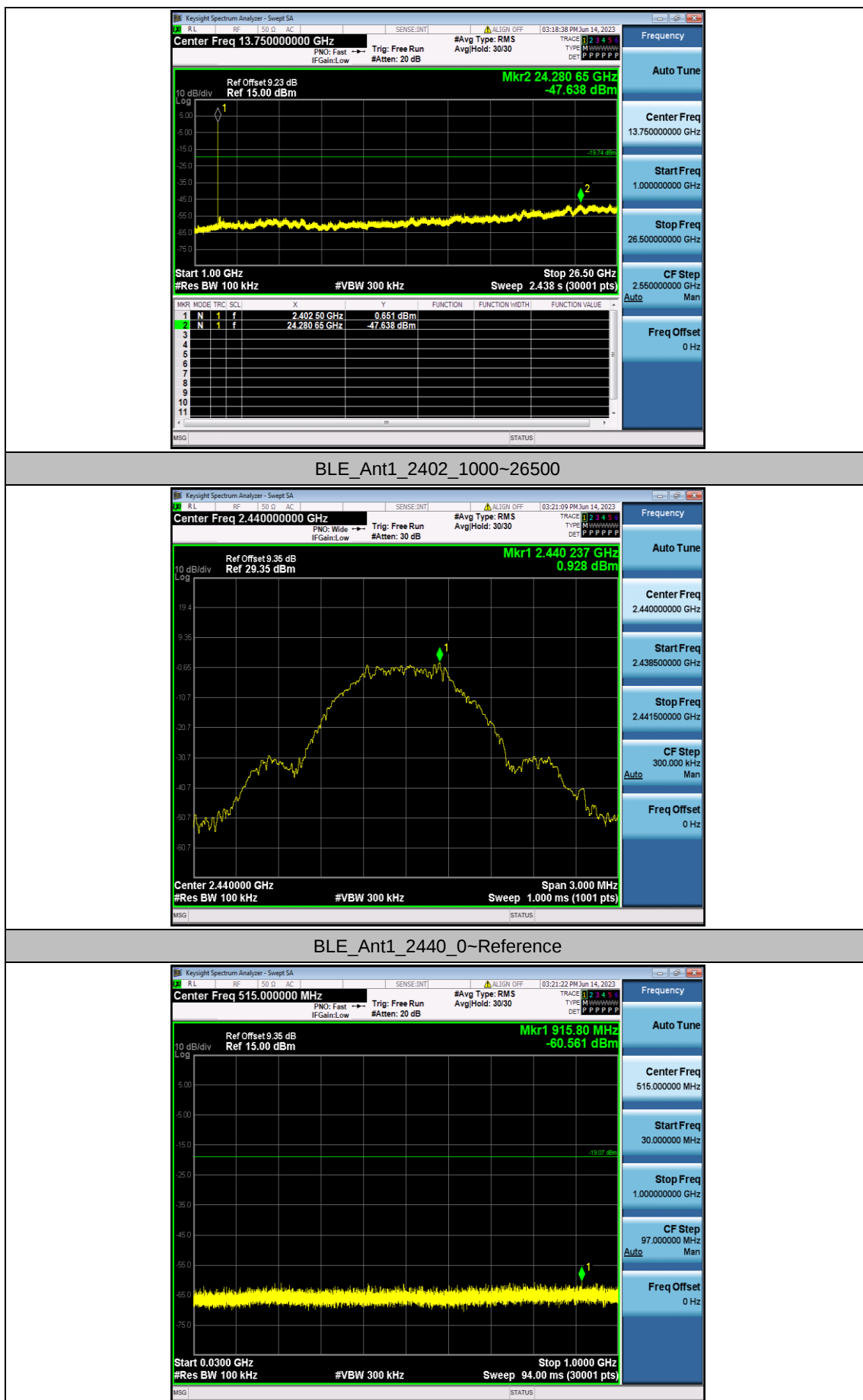
Appendix B.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-60.5	≤ -19.74	PASS
			1000~26500	0.26	-47.64	≤ -19.74	PASS
		2440	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-60.56	≤ -19.07	PASS
			1000~26500	0.93	-47.55	≤ -19.07	PASS
		2480	Reference	1.56	1.56	---	PASS
			30~1000	1.56	-60.01	≤ -18.44	PASS
			1000~26500	1.56	-47.3	≤ -18.44	PASS

Test Graphs





BLE_Ant1_2440_30~1000



BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference

