

Case No. : <u>GTS20220826001-1-9</u>	
Ambient Condition: <u>25</u> °C, <u>52</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.07</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	0.512	2401.664	2402.176	0.5	PASS
		2440	0.656	2439.680	2440.336	0.5	PASS
		2480	0.552	2479.668	2480.220	0.5	PASS

Test Graphs

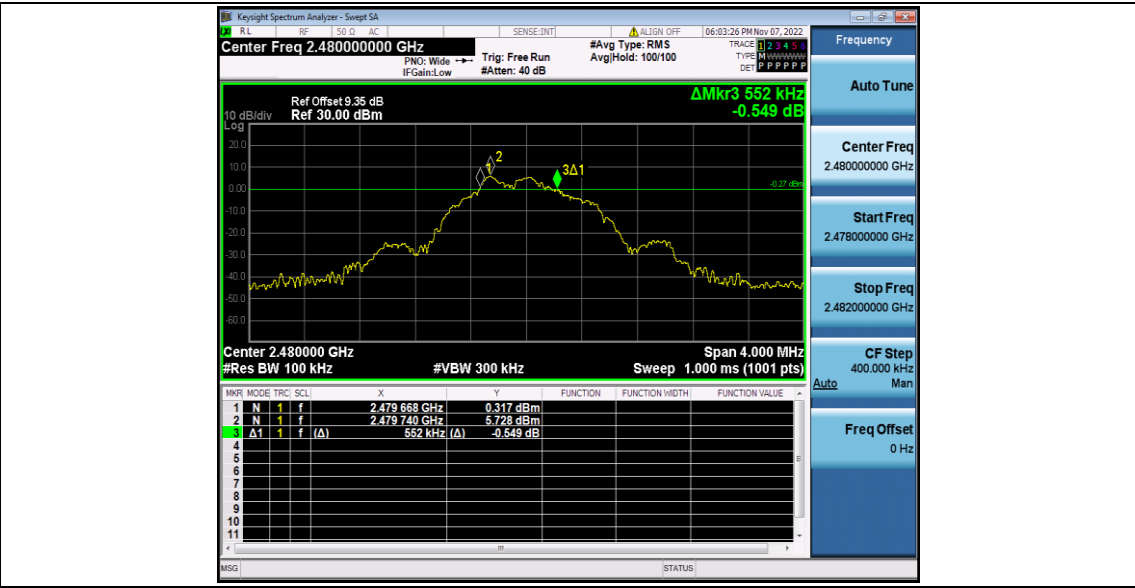
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

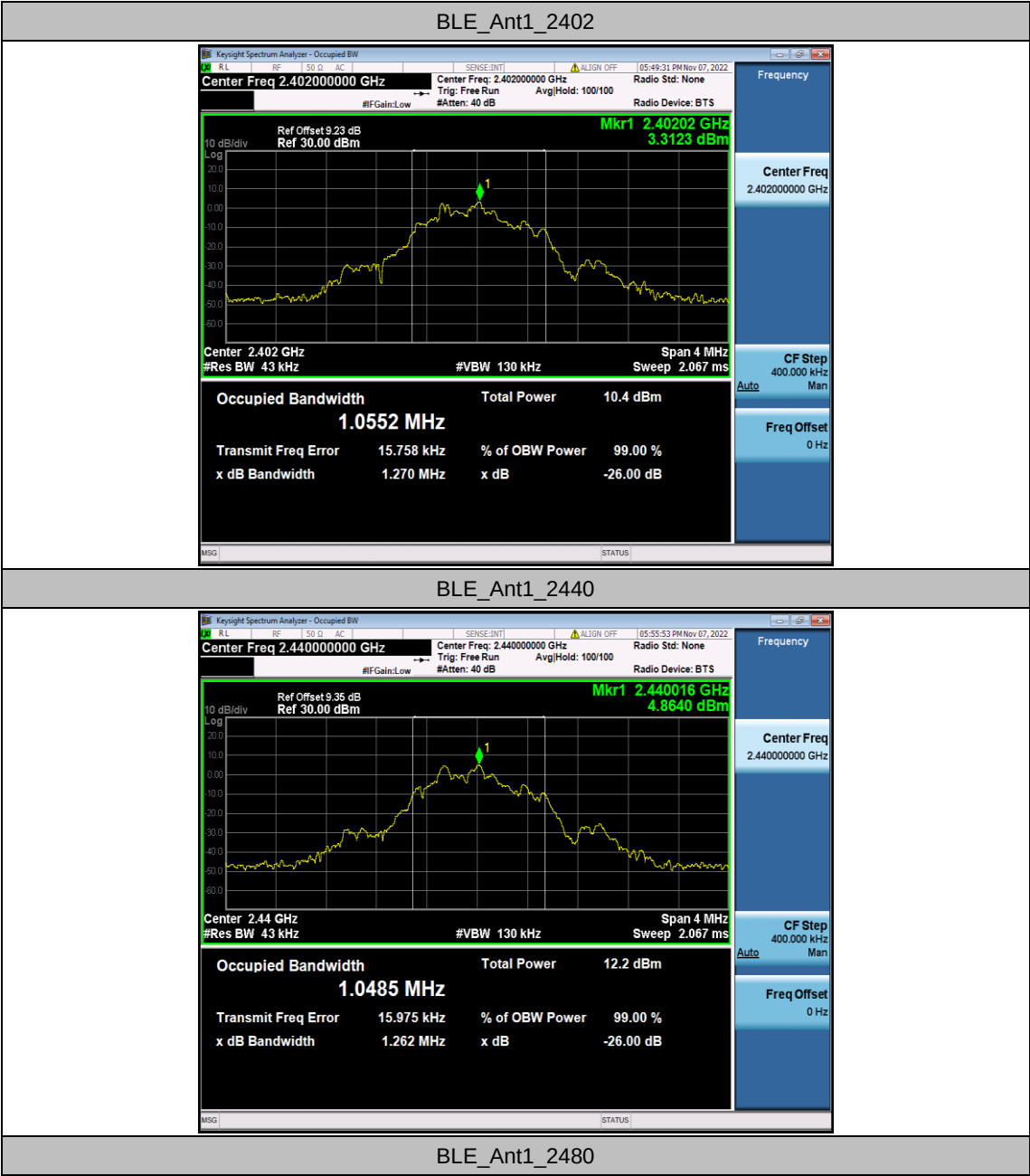


Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0552	2401.488	2402.543	---	---
		2440	1.0485	2439.492	2440.540	---	---
		2480	1.0530	2479.488	2480.541	---	---

Test Graphs





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	5.05	≤30	PASS
		2440	6.39	≤30	PASS
		2480	5.83	≤30	PASS

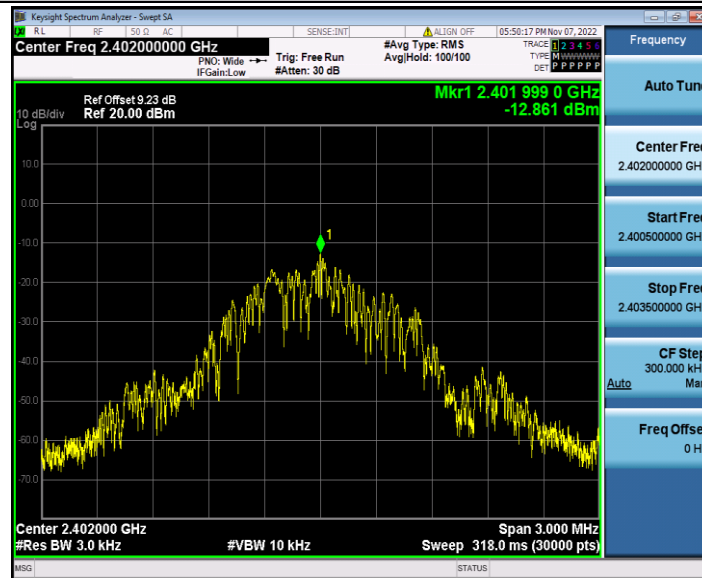
Appendix A.4: Maximum power spectral density

Test Result

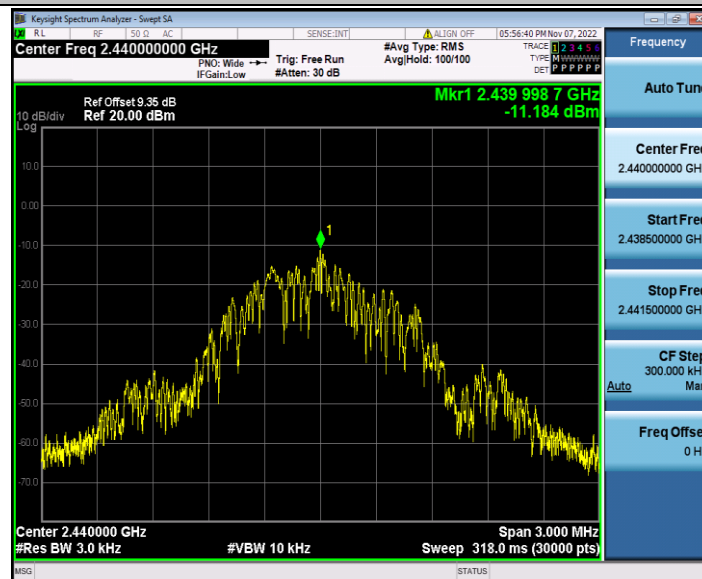
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.86	≤8.00	PASS
		2440	-11.18	≤8.00	PASS
		2480	-11.32	≤8.00	PASS

Test Graphs

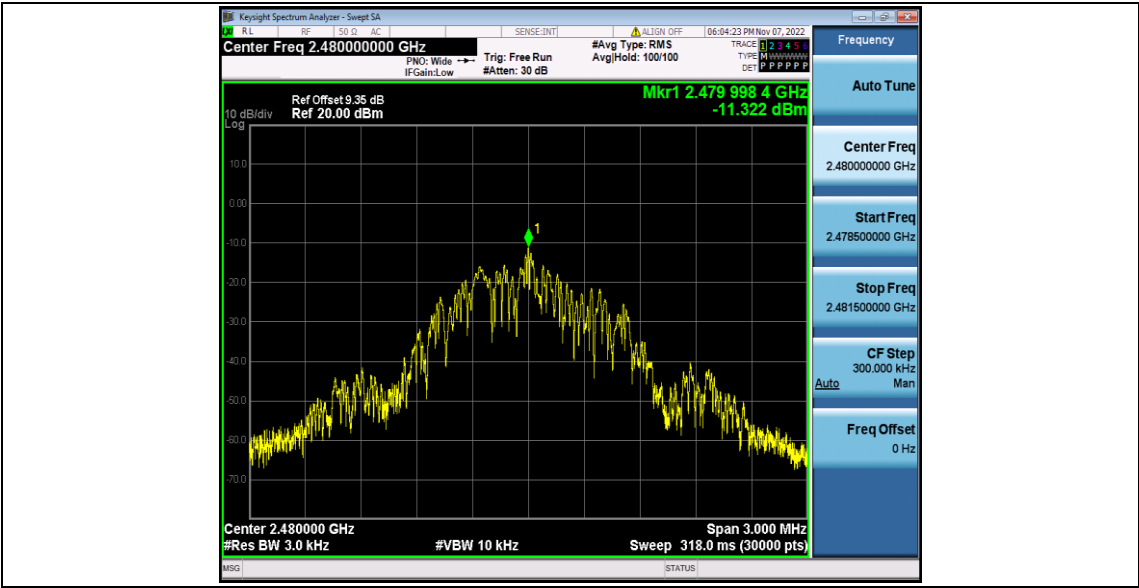
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



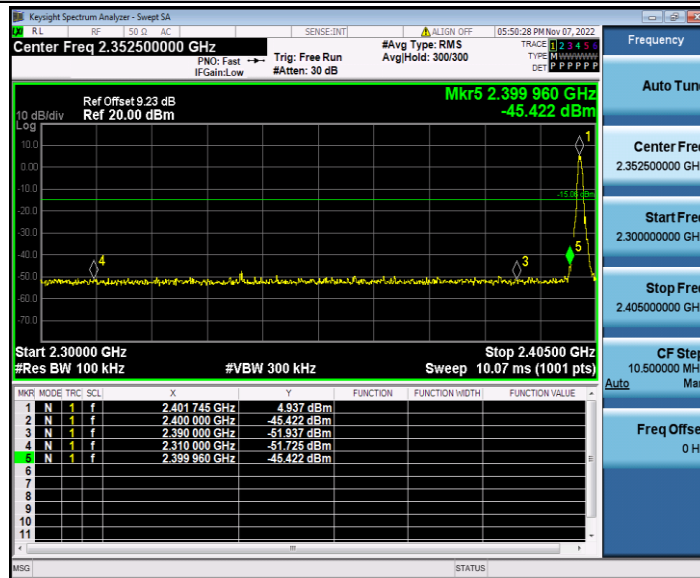
Appendix A.5: Band edge measurements

Test Result

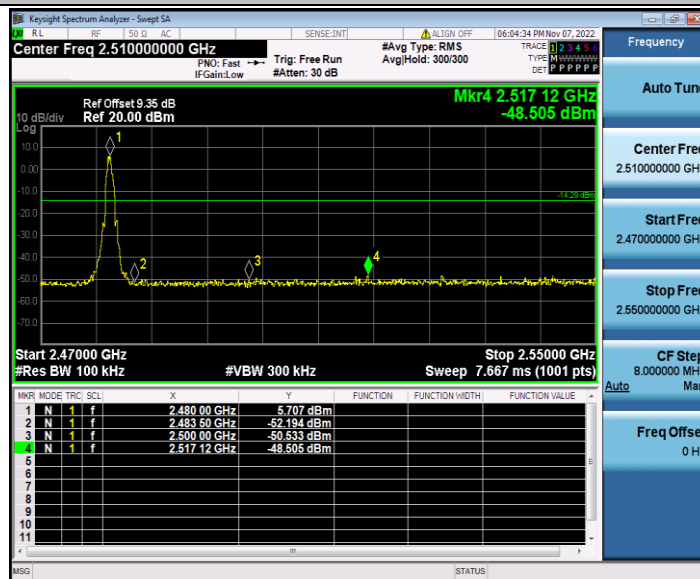
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.94	-45.42	≤-15.06	PASS
		High	2480	5.71	-48.51	≤-14.29	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

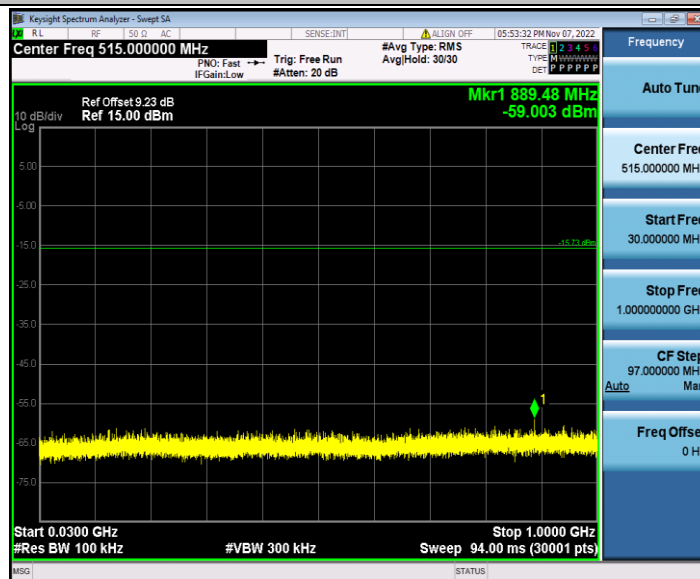
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-59	≤-15.73	PASS
			1000~26500	4.27	-40.5	≤-15.73	PASS
		2440	Reference	5.35	5.35	---	PASS
			30~1000	5.35	-60.86	≤-14.65	PASS
			1000~26500	5.35	-48	≤-14.65	PASS
		2480	Reference	5.72	5.72	---	PASS
			30~1000	5.72	-59.99	≤-14.28	PASS
			1000~26500	5.72	-47.63	≤-14.28	PASS

Test Graphs

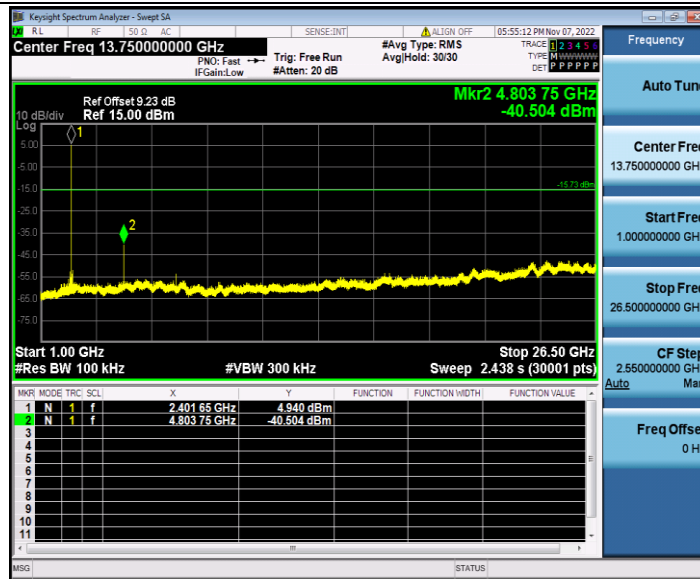
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



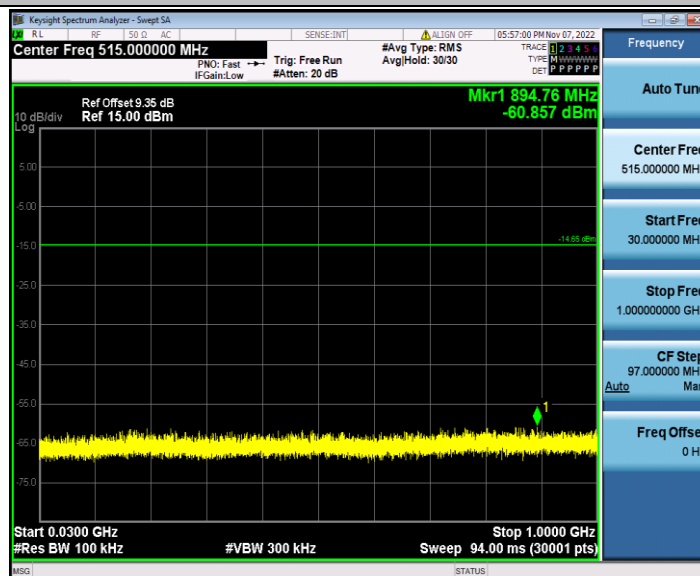
BLE_Ant1_2402_1000~26500



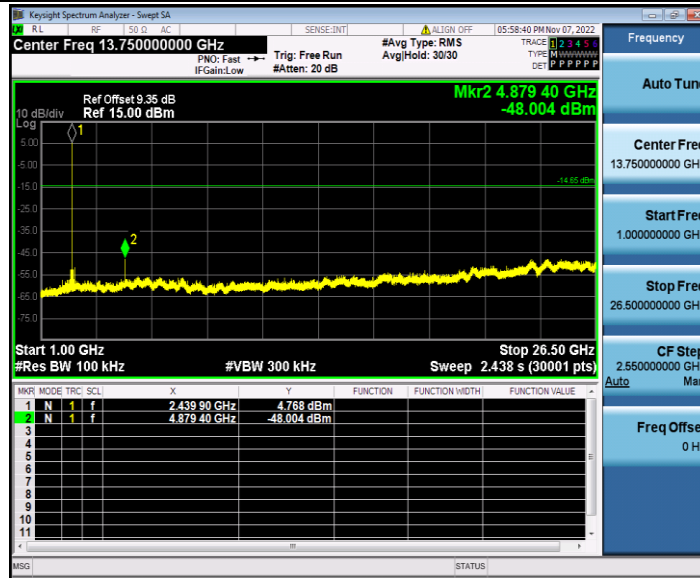
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



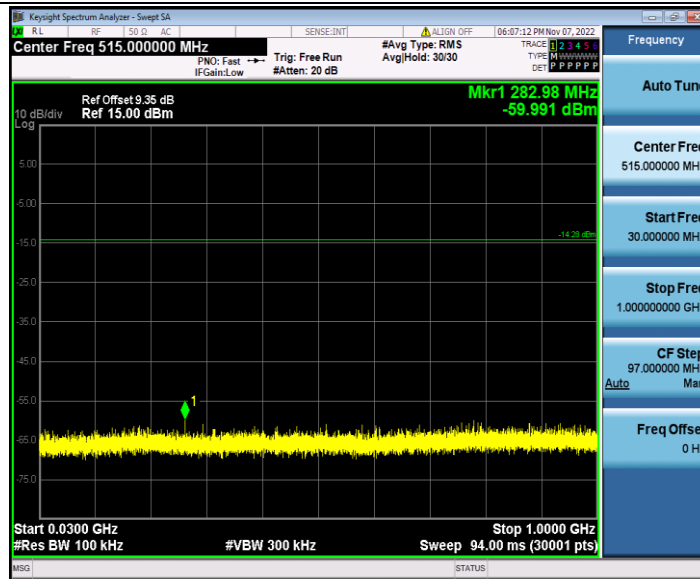
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

