

Case No. : <u>GTS20221012010-1-24</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.18</u>	Test Engineer: <u>Jenny zeng</u>

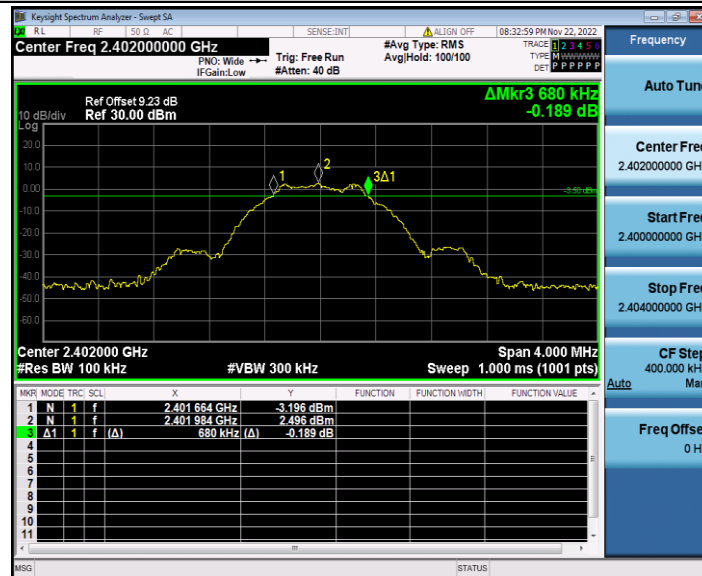
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.680	2401.664	2402.344	0.5	PASS
		2440	0.664	2439.664	2440.328	0.5	PASS
		2480	0.676	2479.644	2480.320	0.5	PASS

Test Graphs

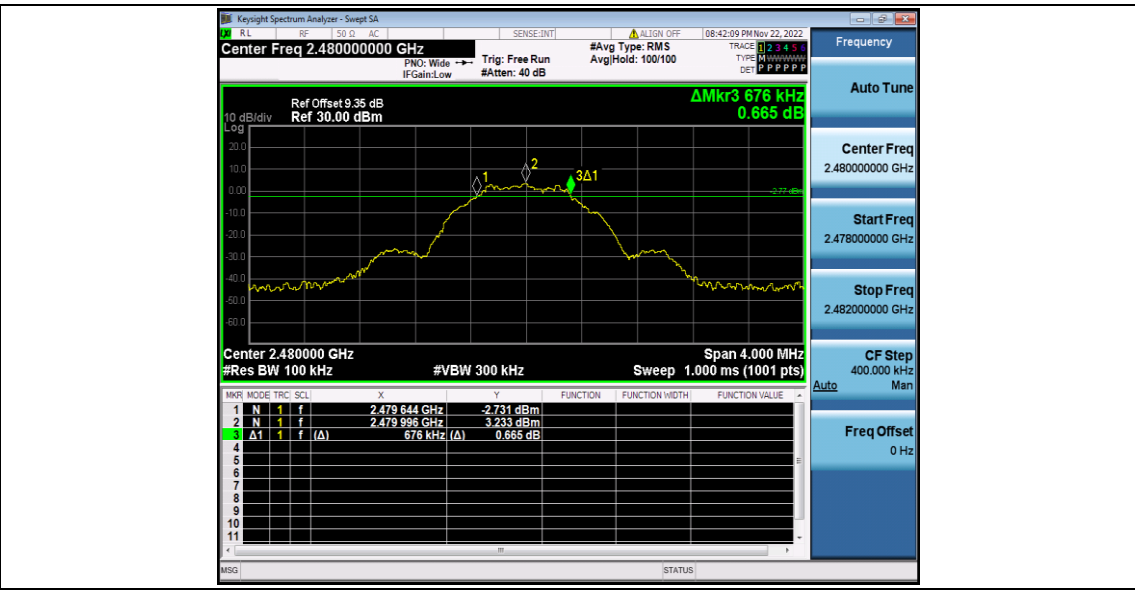
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



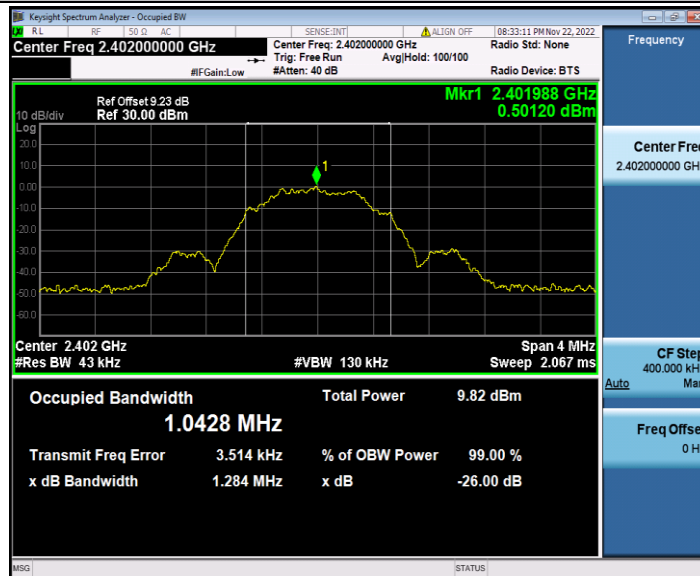
Appendix B.2: Occupied Channel Bandwidth

Test Result

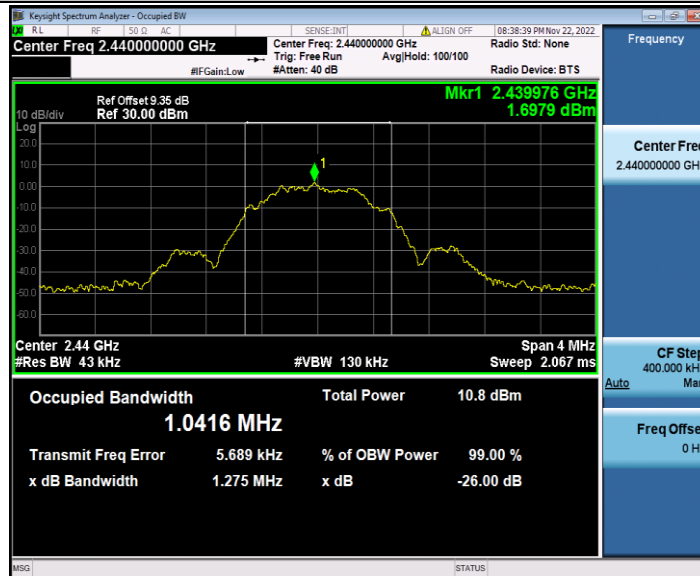
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0428	2401.482	2402.525	---	---
		2440	1.0416	2439.485	2440.526	---	---
		2480	1.0410	2479.479	2480.520	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	3.46	≤30	PASS
		2440	4.44	≤30	PASS
		2480	3.84	≤30	PASS

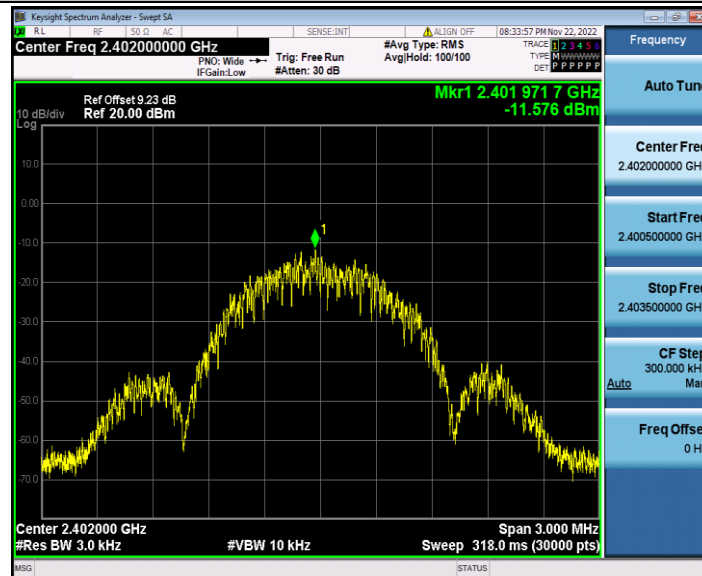
Appendix B.4: Maximum power spectral density

Test Result

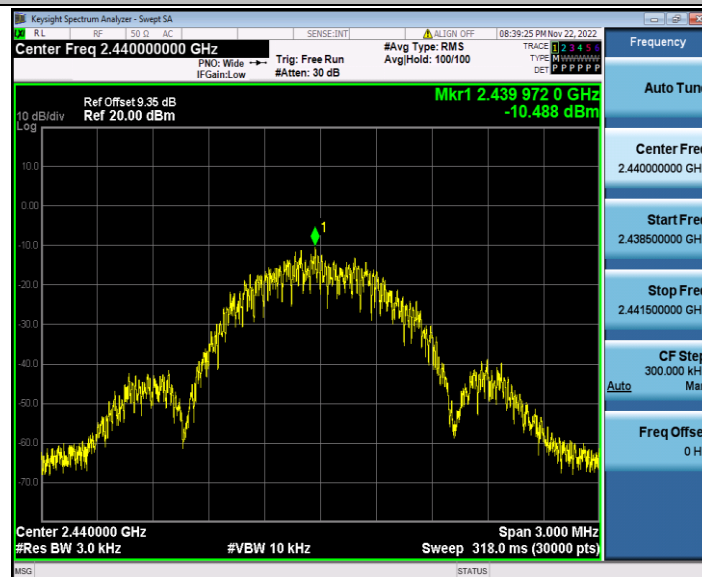
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-11.58	≤8.00	PASS
		2440	-10.49	≤8.00	PASS
		2480	-10.94	≤8.00	PASS

Test Graphs

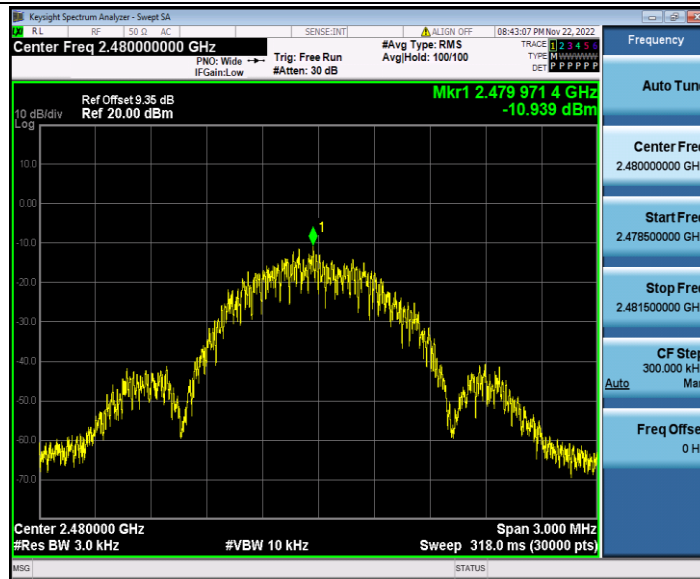
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



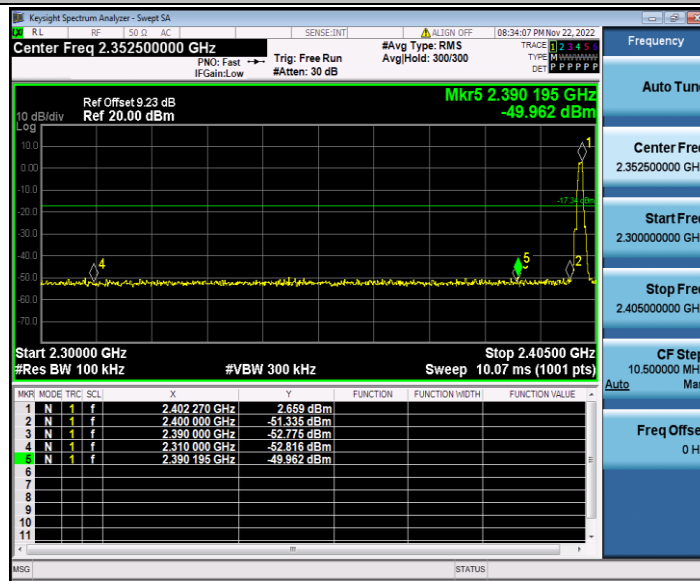
Appendix B.5: Band edge measurements

Test Result

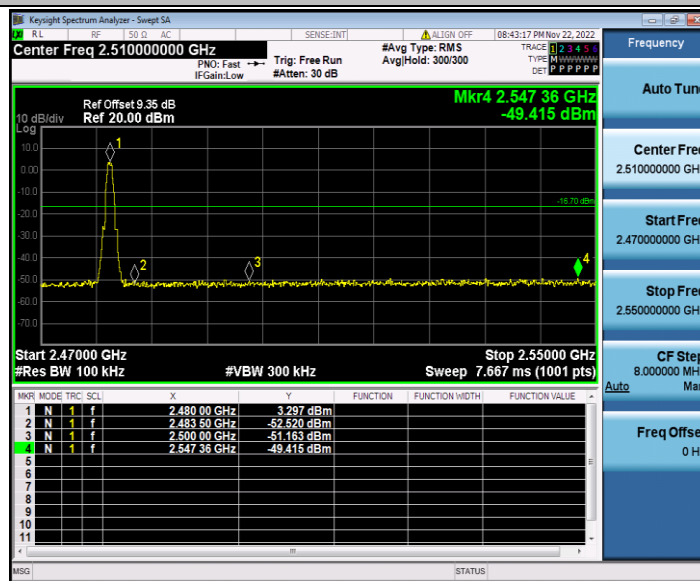
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	2.66	-49.96	≤ -17.34	PASS
		High	2480	3.30	-49.42	≤ -16.7	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

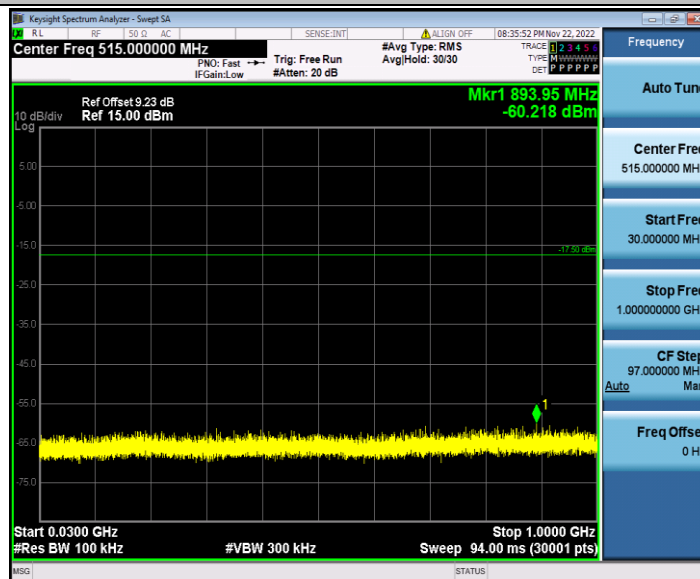
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-60.22	≤-17.5	PASS
			1000~26500	2.50	-48.12	≤-17.5	PASS
		2440	Reference	3.31	3.31	---	PASS
			30~1000	3.31	-60.32	≤-16.69	PASS
			1000~26500	3.31	-46.89	≤-16.69	PASS
		2480	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-60.25	≤-17.29	PASS
			1000~26500	2.71	-46.86	≤-17.29	PASS

Test Graphs

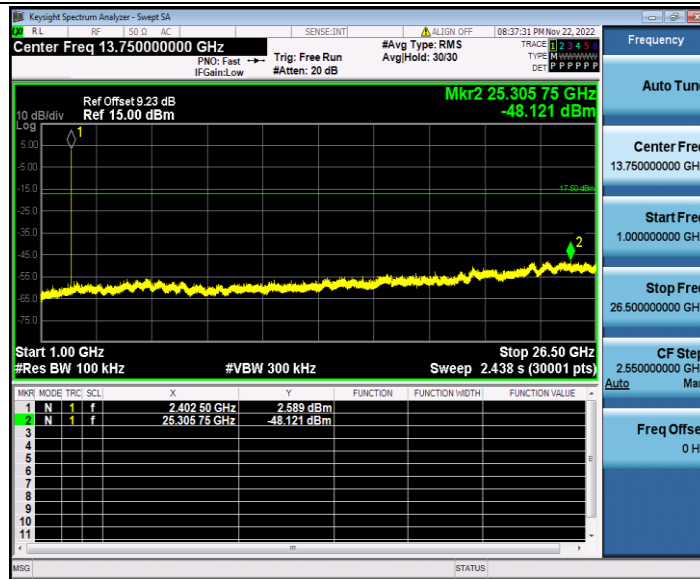
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



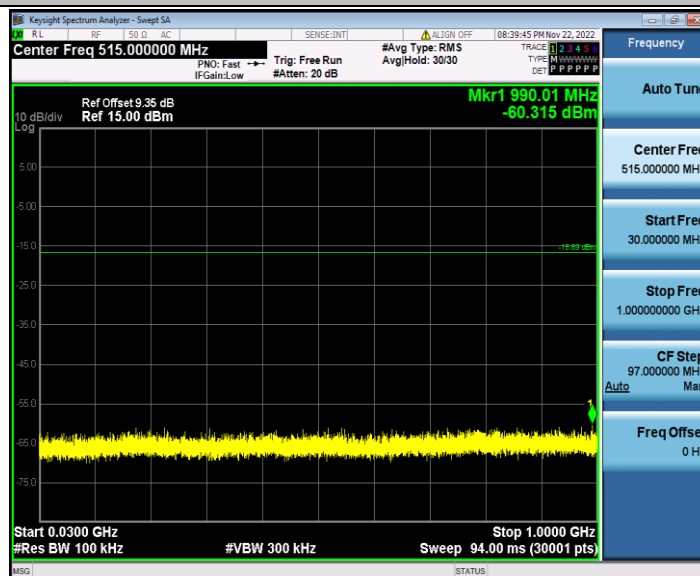
BLE_Ant1_2402_1000~26500



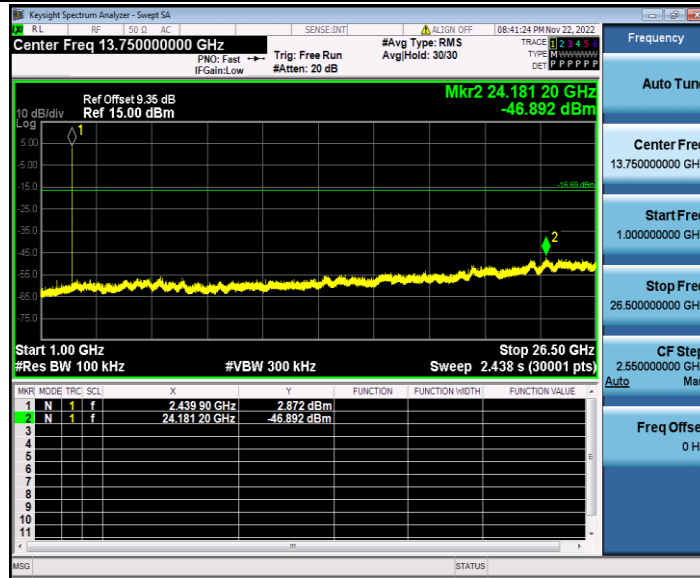
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



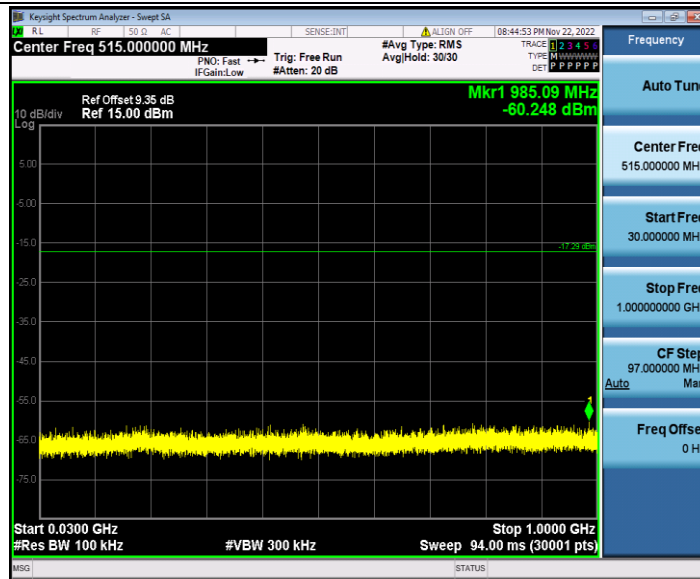
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

