

Case No. : <u>GTS20220830003-1-2</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.8.31</u>	Test Engineer: <u>Jenny zeng</u>

Appendix B.1: DTS Bandwidth

Test Result

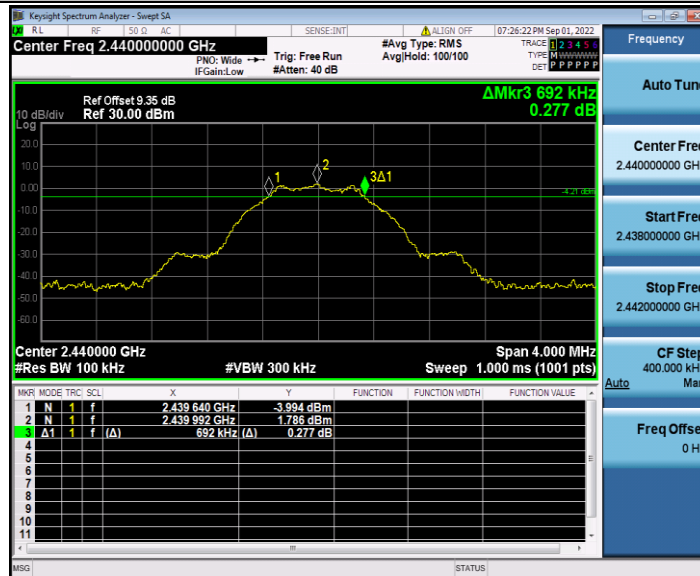
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.672	2401.652	2402.324	0.5	PASS
		2440	0.692	2439.640	2440.332	0.5	PASS
		2480	0.724	2479.628	2480.352	0.5	PASS

Test Graphs

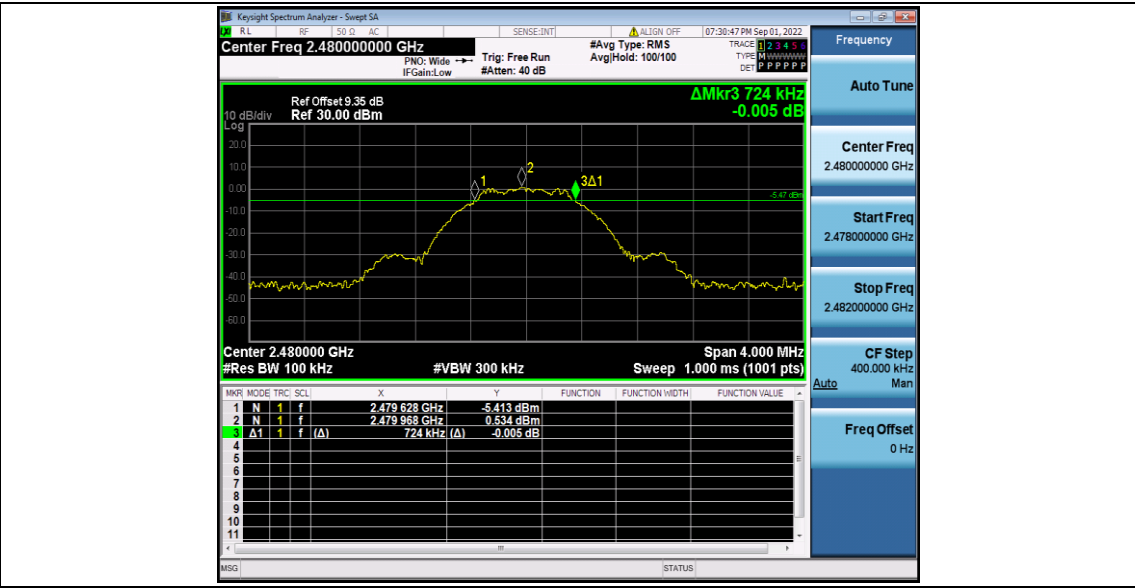
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



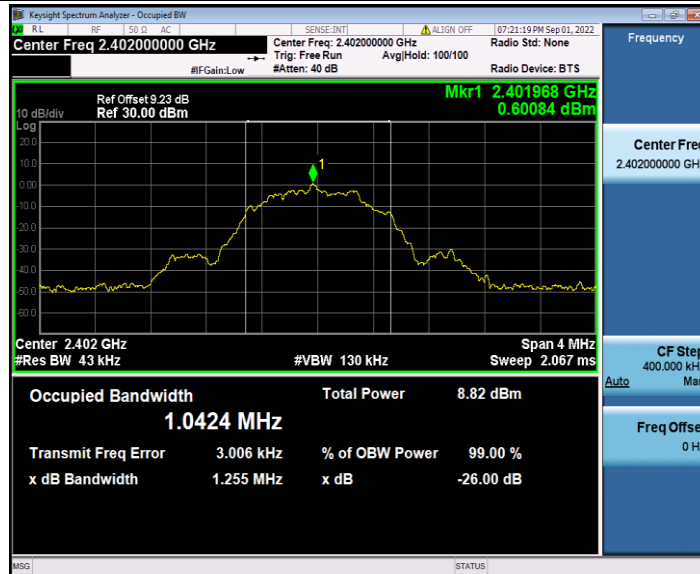
Appendix B.2: Occupied Channel Bandwidth

Test Result

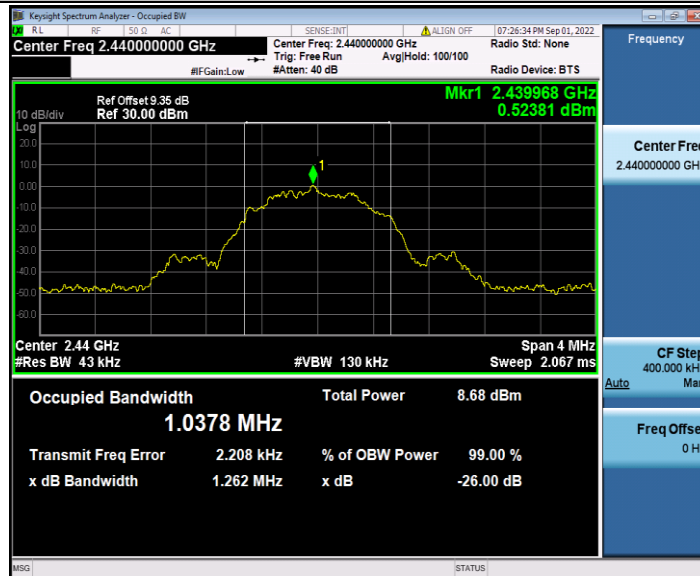
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0424	2401.482	2402.524	---	---
		2440	1.0378	2439.483	2440.521	---	---
		2480	1.0530	2479.471	2480.524	---	---

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	2.67	≤30	PASS
		2440	2.66	≤30	PASS
		2480	2.03	≤30	PASS

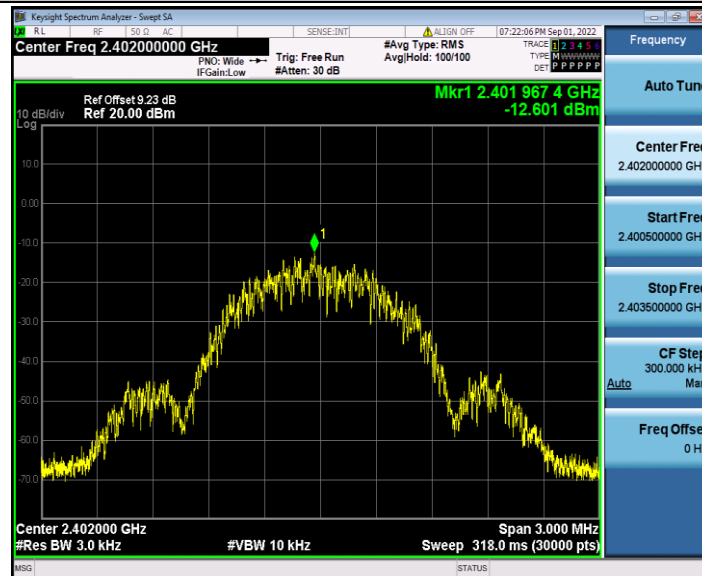
Appendix B.4: Maximum power spectral density

Test Result

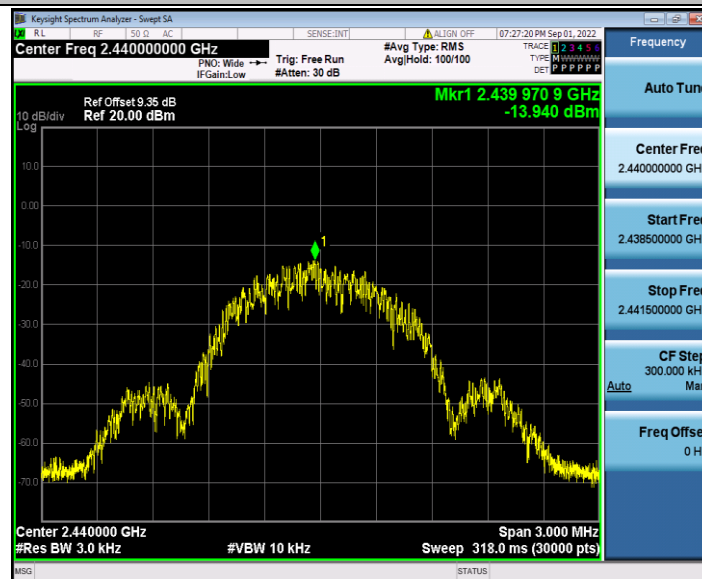
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.60	≤8.00	PASS
		2440	-13.94	≤8.00	PASS
		2480	-13.39	≤8.00	PASS

Test Graphs

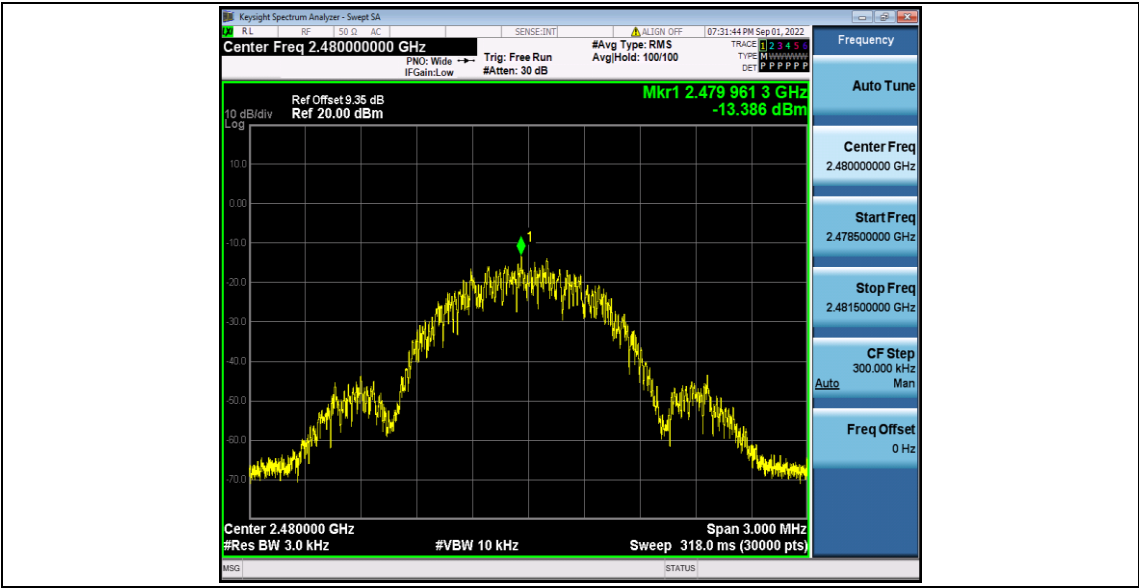
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



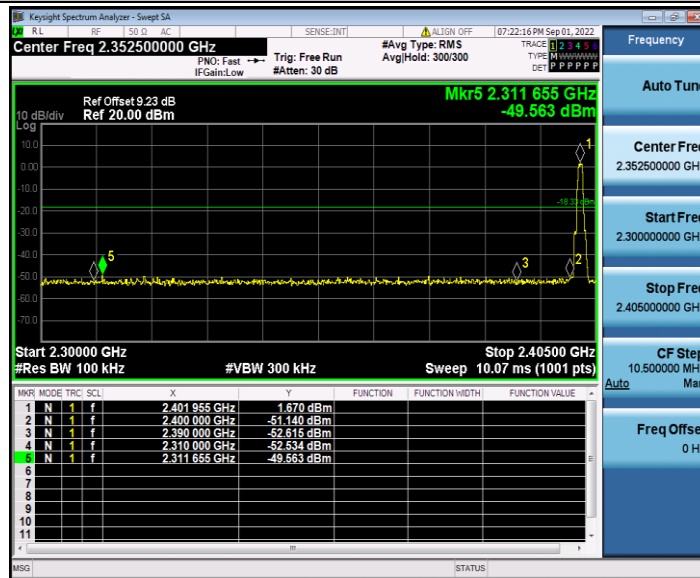
Appendix B.5: Band edge measurements

Test Result

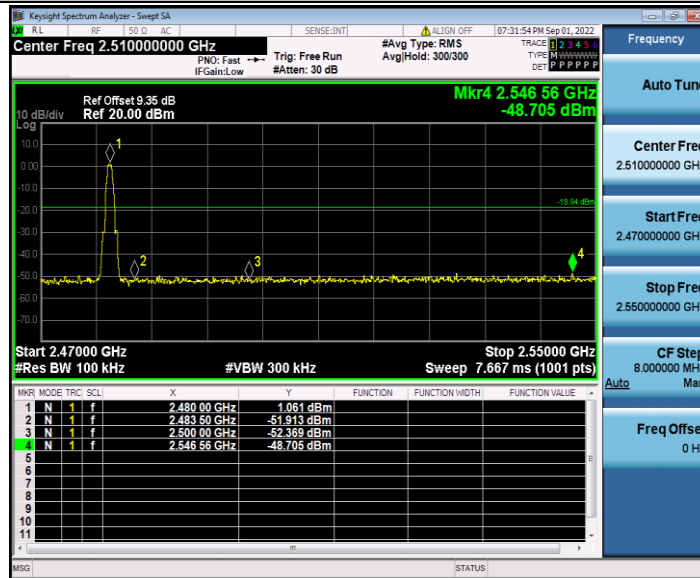
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.67	-49.56	≤-18.33	PASS
		High	2480	1.06	-48.71	≤-18.94	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

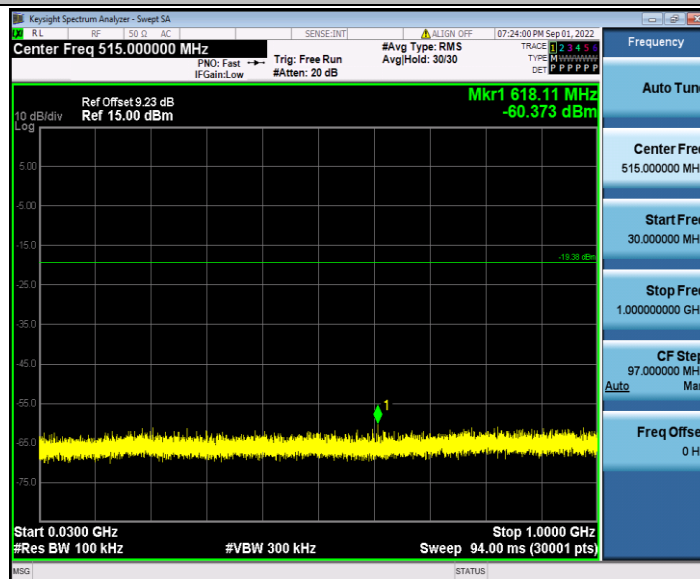
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-60.37	$\leq$ -19.38	PASS
			1000~26500	0.62	-47.06	$\leq$ -19.38	PASS
		2440	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-50.12	$\leq$ -18.35	PASS
			1000~26500	1.65	-47.57	$\leq$ -18.35	PASS
		2480	Reference	1.06	1.06	---	PASS
			30~1000	1.06	-60.35	$\leq$ -18.94	PASS
			1000~26500	1.06	-48.09	$\leq$ -18.94	PASS

Test Graphs

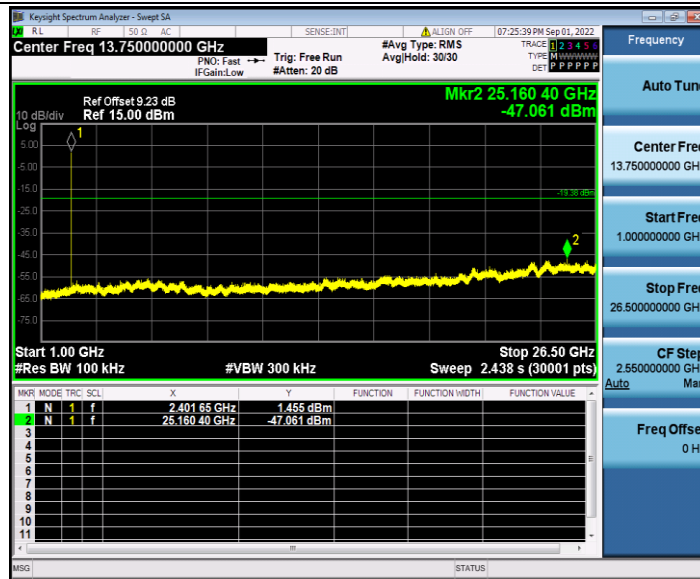
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



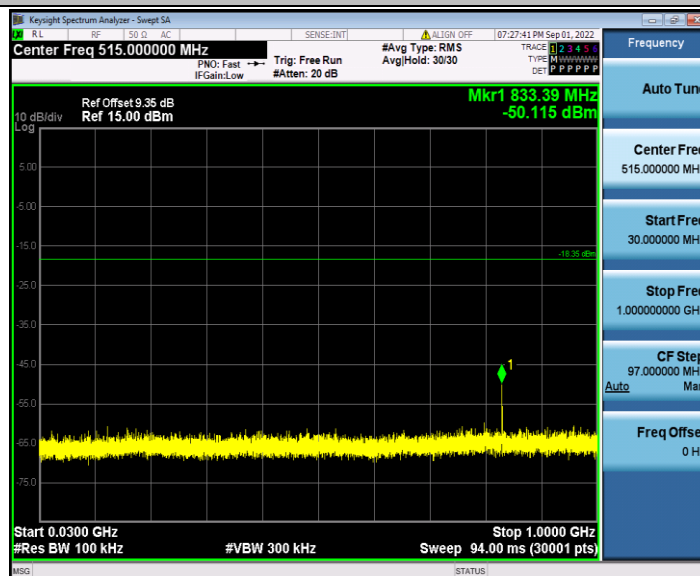
BLE_Ant1_2402_1000~26500



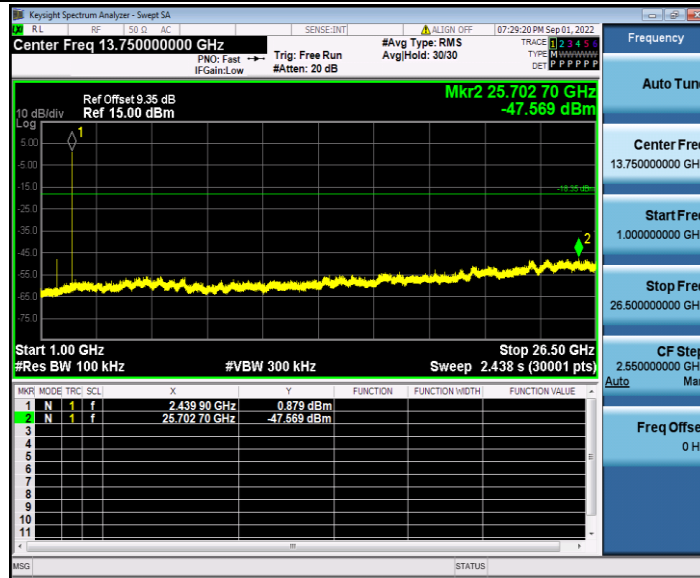
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



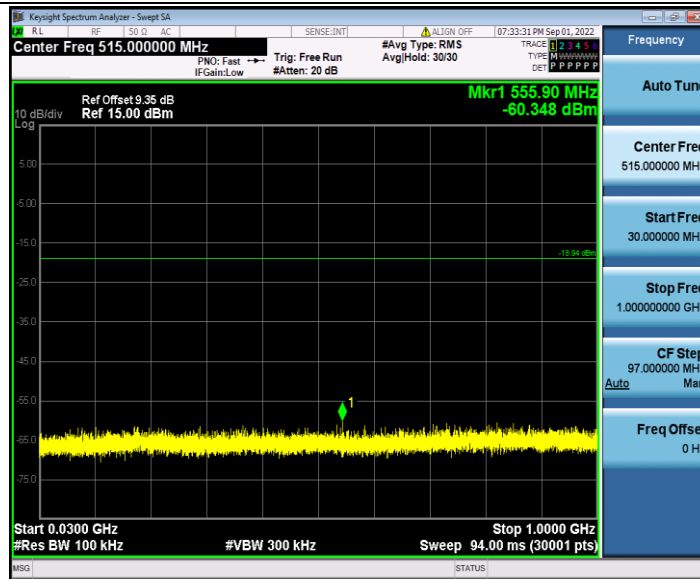
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

