

Case No. : <u>GTS20221019011-1-6</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.28</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	2401.680	2402.192	0.5	PASS
		2440	0.640	2439.680	2440.320	0.5	PASS
		2480	0.504	2479.680	2480.184	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	1.0478	2401.489	2402.537	---	---
		2440	1.0468	2439.487	2440.533	---	---
		2480	1.0532	2479.486	2480.540	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



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	-3.94	≤30	PASS
		2440	-1.71	≤30	PASS
		2480	-1.83	≤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	-23.03	≤8.00	PASS
		2440	-14.9	≤8.00	PASS
		2480	-20.86	≤8.00	PASS

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



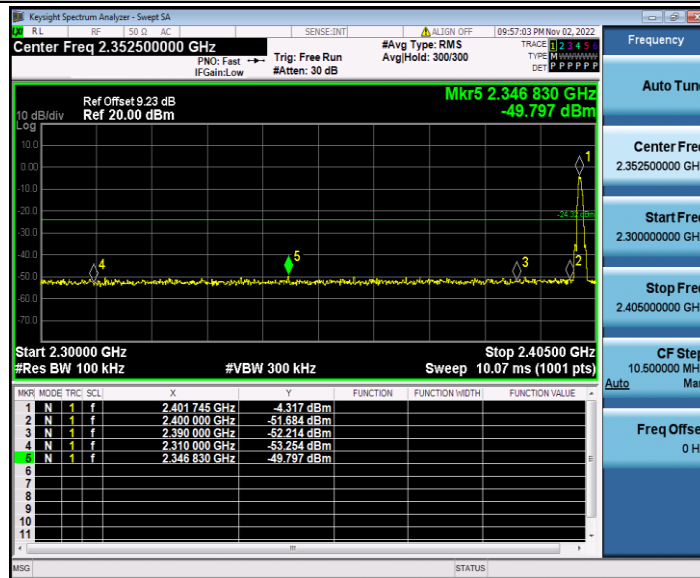
Appendix A.5: Band edge measurements

Test Result

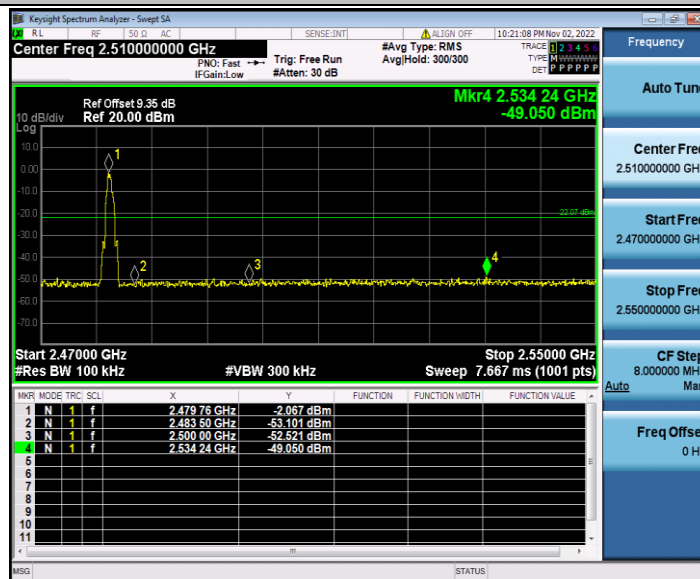
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-4.32	-49.8	≤-24.32	PASS
		High	2480	-2.07	-49.05	≤-22.07	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

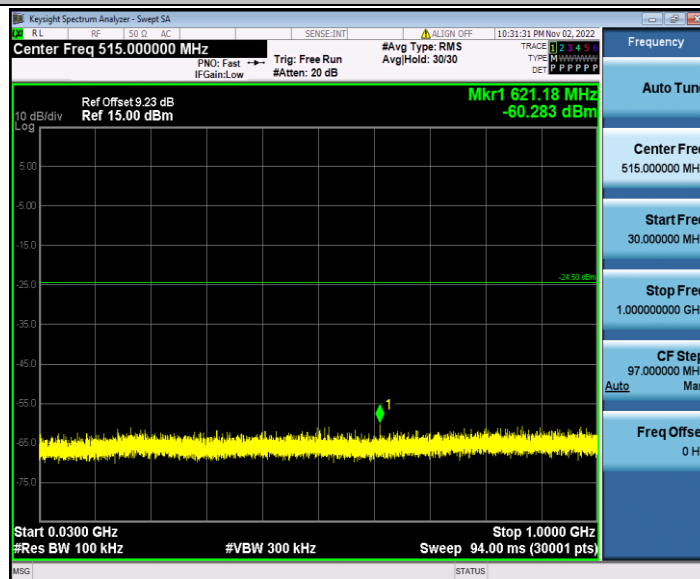
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.50	-4.50	---	PASS
			30~1000	-4.50	-60.28	$\leq$ -24.5	PASS
			1000~26500	-4.50	-47.39	$\leq$ -24.5	PASS
		2440	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-59.36	$\leq$ -23.08	PASS
			1000~26500	-3.08	-47.25	$\leq$ -23.08	PASS
		2480	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-59.92	$\leq$ -22.71	PASS
			1000~26500	-2.71	-47.71	$\leq$ -22.71	PASS

Test Graphs

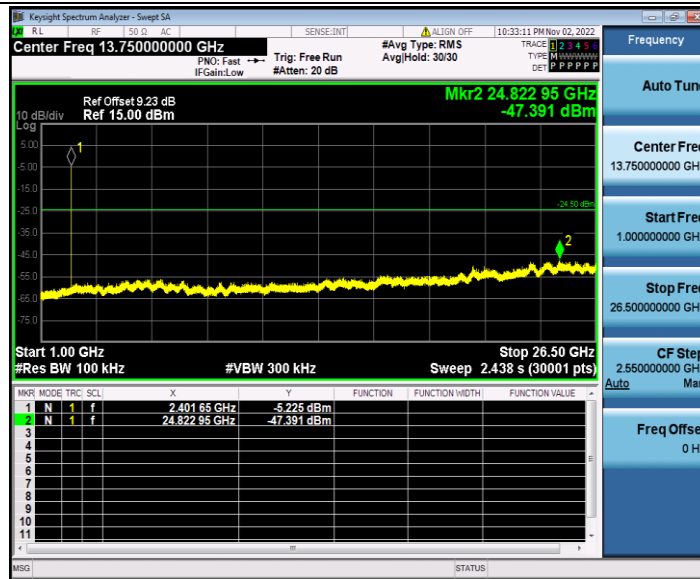
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



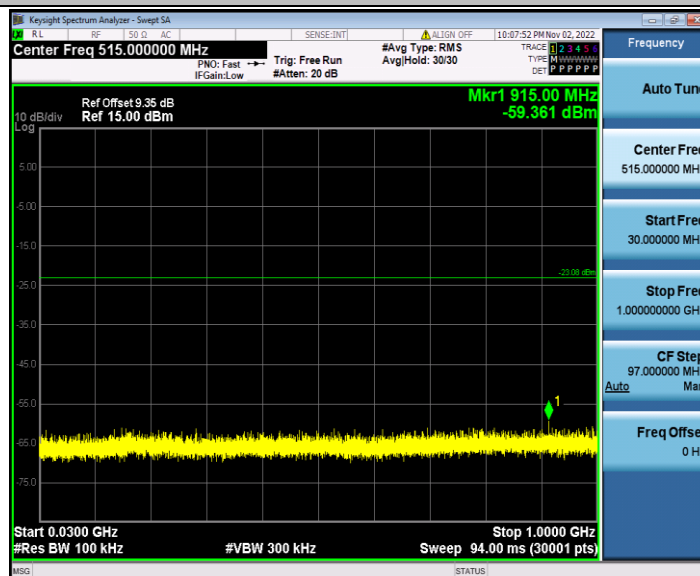
BLE_Ant1_2402_1000~26500



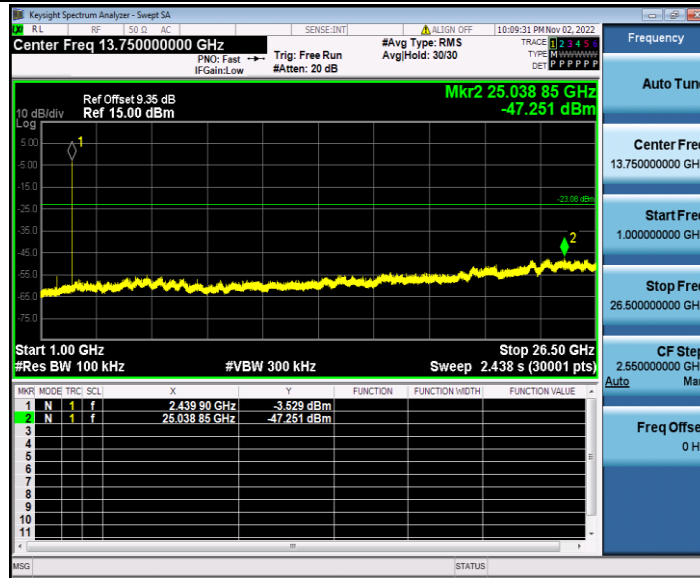
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



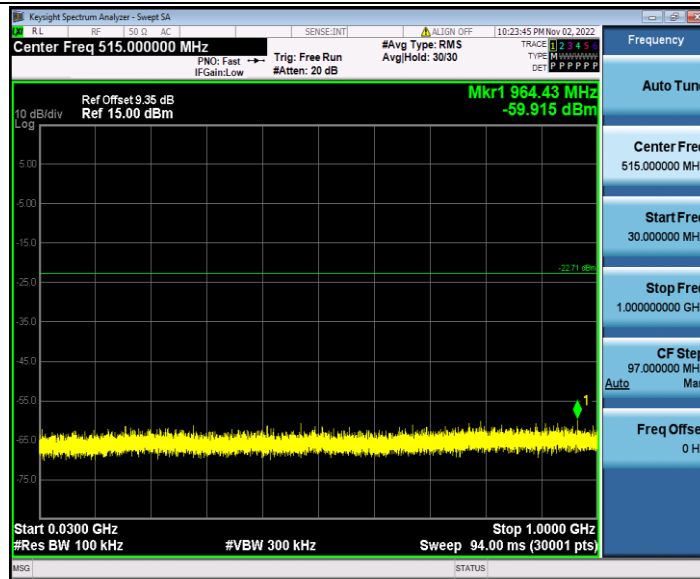
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

