

Case No. : <u>GTS20220926018-1-1& GTS20220926018-1-3</u>	
Ambient Condition: <u>26</u> °C, <u>47</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.11</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	0.636	2401.708	2402.344	0.5	PASS
		2440	0.660	2439.692	2440.352	0.5	PASS
		2480	0.652	2479.680	2480.332	0.5	PASS

Test Graphs

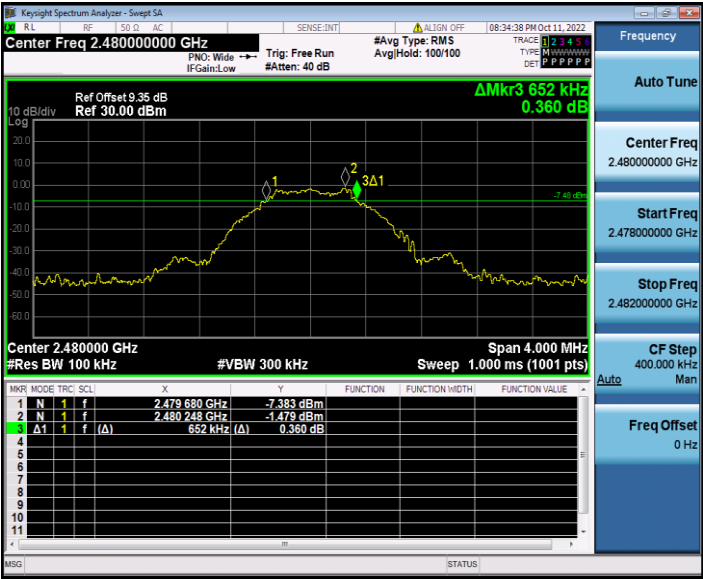
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



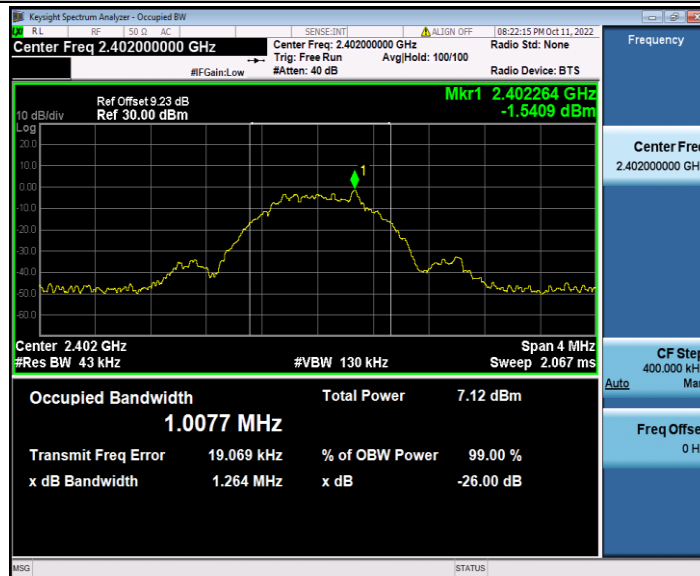
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0077	2401.515	2402.523	---	---
		2440	1.0334	2439.505	2440.538	---	---
		2480	1.0363	2479.499	2480.536	---	---

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	0.57	≤30	PASS
		2440	-0.49	≤30	PASS
		2480	-0.69	≤30	PASS

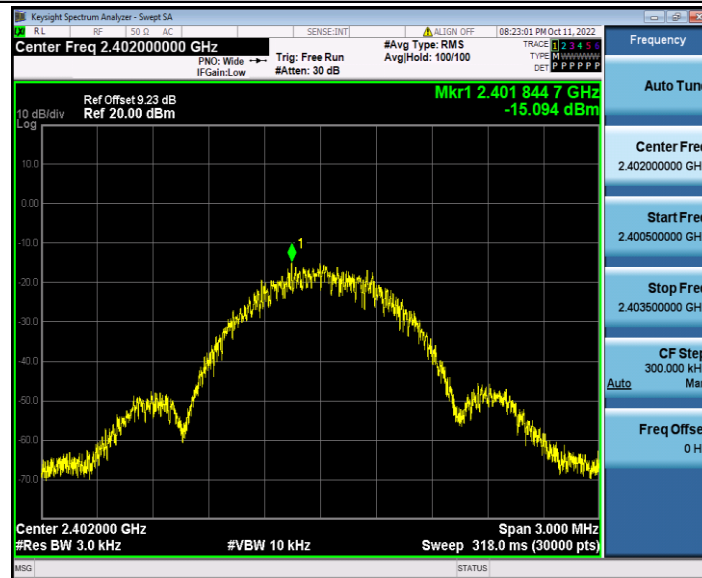
Appendix A.4: Maximum power spectral density

Test Result

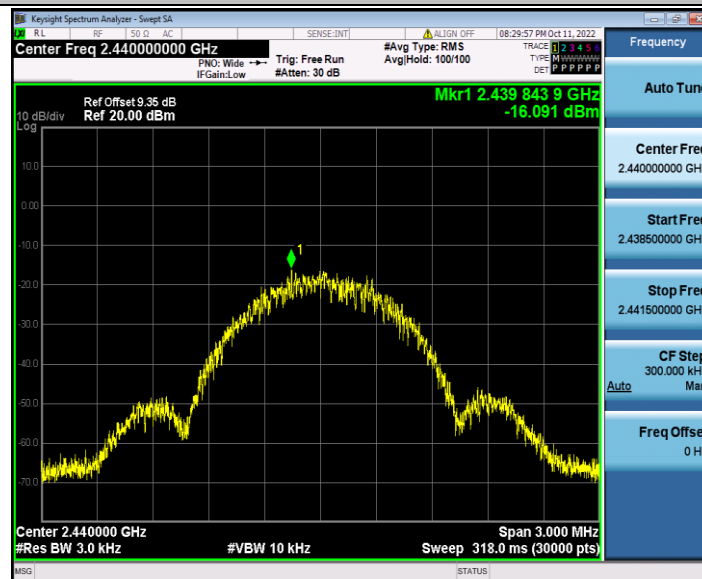
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-15.09	≤8.00	PASS
		2440	-16.09	≤8.00	PASS
		2480	-16.50	≤8.00	PASS

Test Graphs

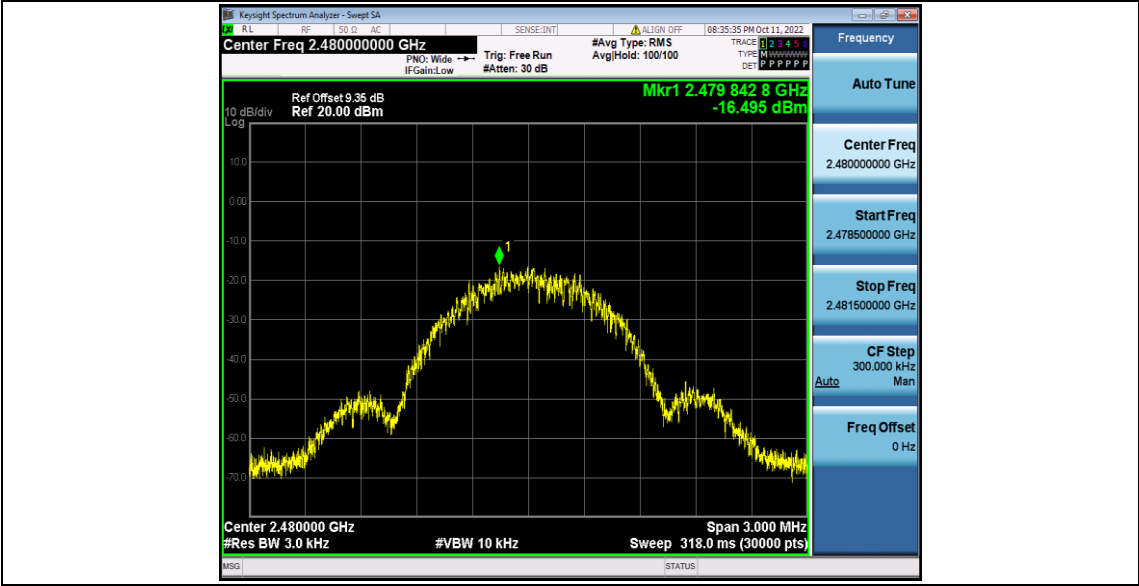
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



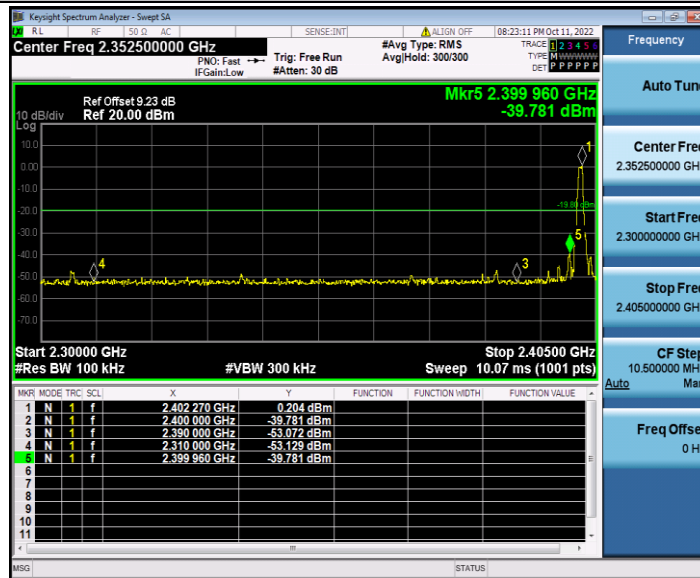
Appendix A.5: Band edge measurements

Test Result

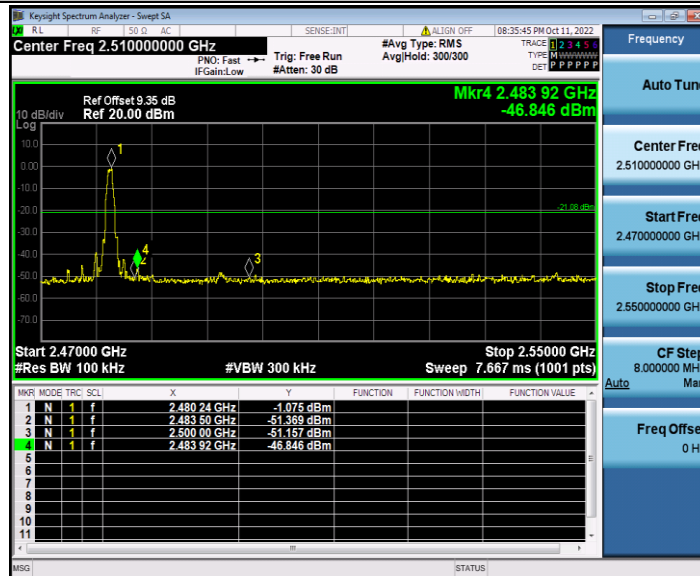
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	0.20	-39.78	≤-19.8	PASS
		High	2480	-1.08	-46.85	≤-21.08	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

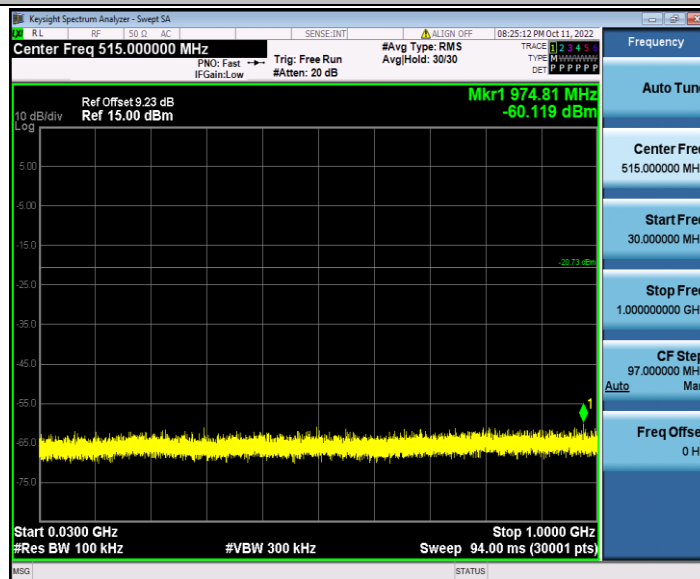
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-60.12	≤ -20.73	PASS
			1000~26500	-0.73	-45.89	≤ -20.73	PASS
		2440	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-60.06	≤ -21.5	PASS
			1000~26500	-1.50	-30.98	≤ -21.5	PASS
		2480	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-60.1	≤ -21.55	PASS
			1000~26500	-1.55	-47.42	≤ -21.55	PASS

Test Graphs

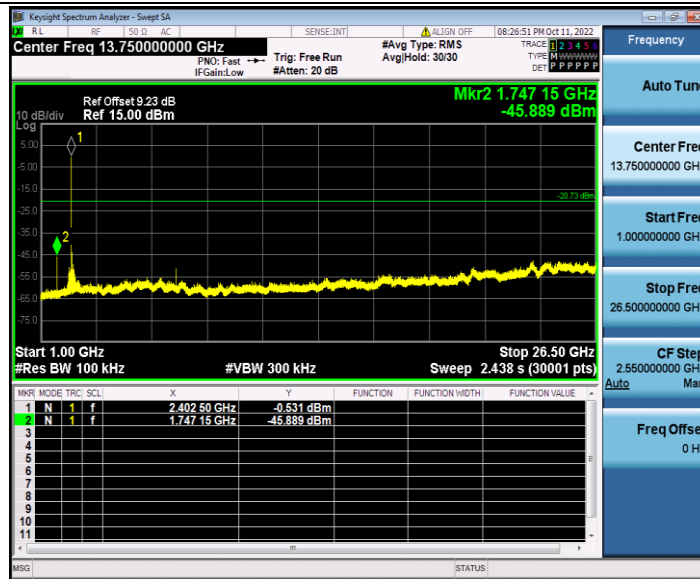
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



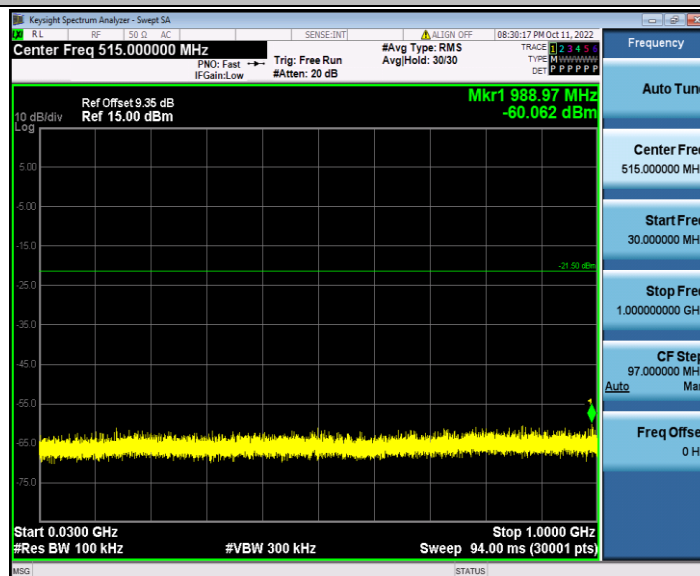
BLE_Ant1_2402_1000~26500



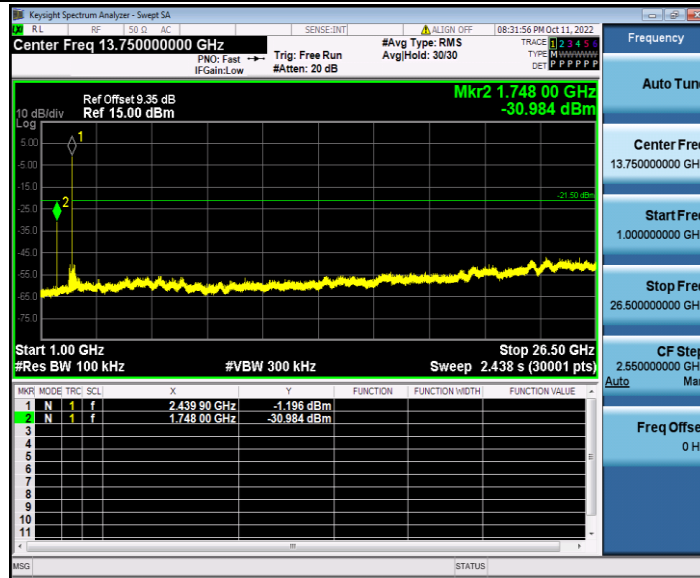
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



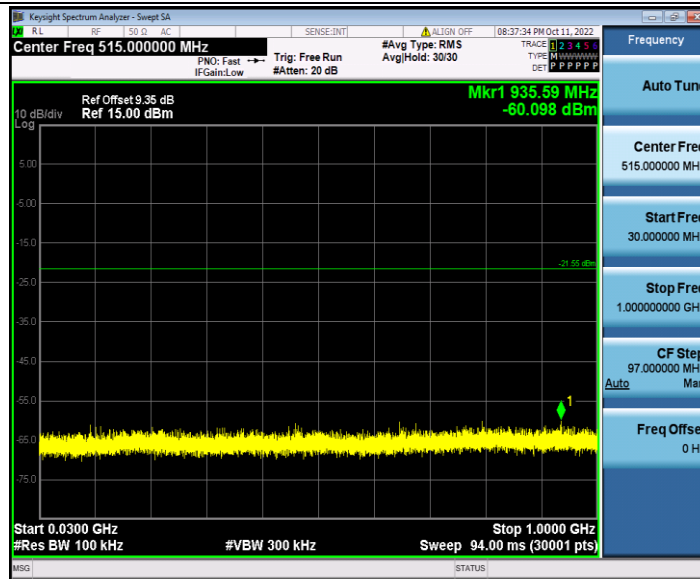
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

