

Case No. : <u>GTS20220930011-1-7</u>
Ambient Condition: <u>25 °C, 45 %RH, Atmos100.1Kpa,</u>
Test Date: <u>2022.10.14</u> Test Engineer: <u>Jenny zeng</u>

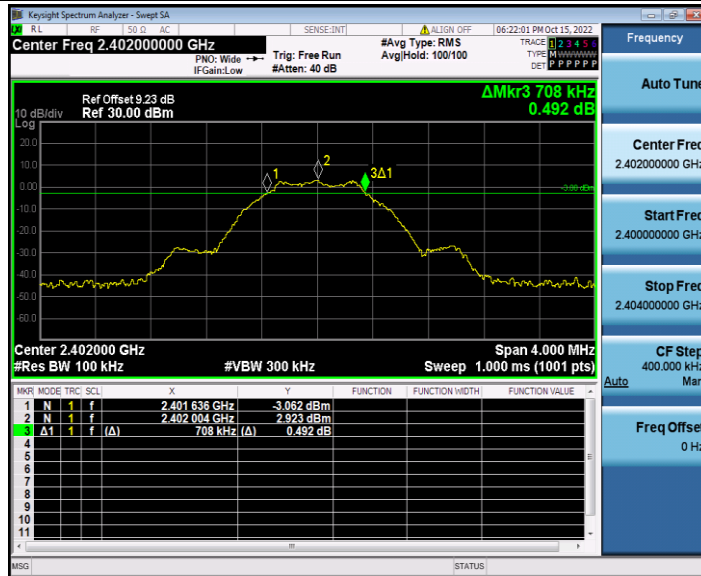
Appendix B.1: DTS Bandwidth

Test Result

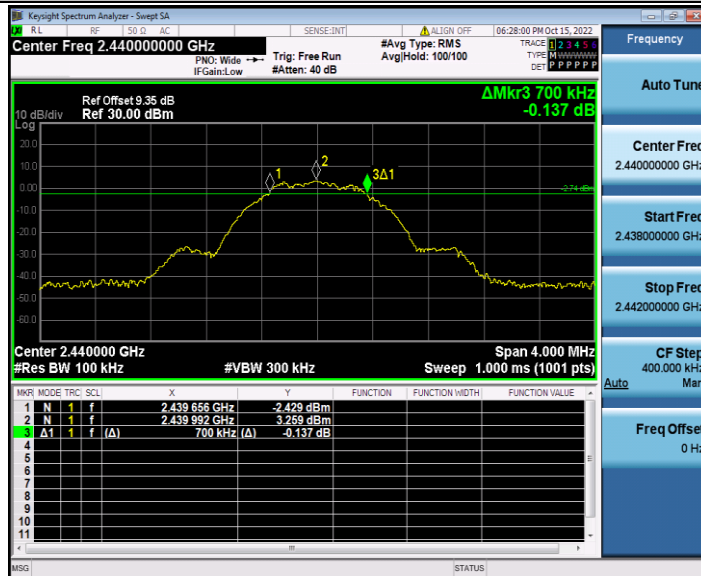
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	0.708	2401.636	2402.344	0.5	PASS
		2440	0.700	2439.656	2440.356	0.5	PASS
		2480	0.704	2479.644	2480.348	0.5	PASS

Test Graphs

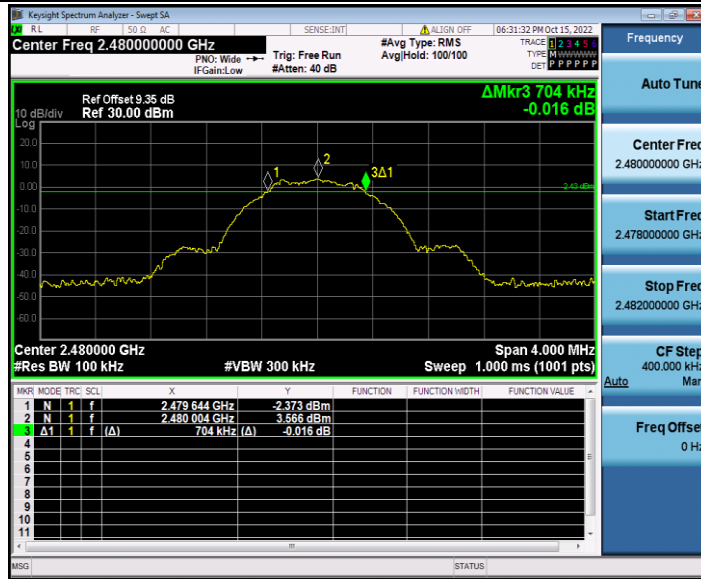
BLE_Ant0_2402



BLE_Ant0_2440



BLE_Ant0_2480



Frequency

Auto Tune

Center Freq
2.48000000 GHz

Start Freq
2.47800000 GHz

Stop Freq
2.48200000 GHz

CF Step
400.000 kHz

Freq Offset
0 Hz

Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant0	2402	1.0419	2401.487	2402.529	---	---
		2440	1.0530	2439.481	2440.534	---	---
		2480	1.0411	2479.483	2480.524	---	---

Test Graphs

BLE_Ant0_2402



BLE_Ant0_2440



BLE_Ant0_2480



Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant0	2402	3.87	≤30	PASS
		2440	4.25	≤30	PASS
		2480	4.53	≤30	PASS

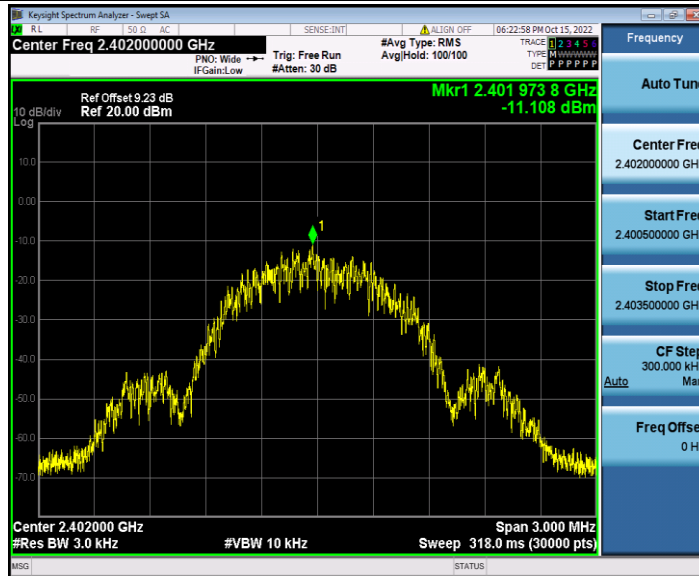
Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant0	2402	-11.11	≤8.00	PASS
		2440	-11.06	≤8.00	PASS
		2480	-10.57	≤8.00	PASS

Test Graphs

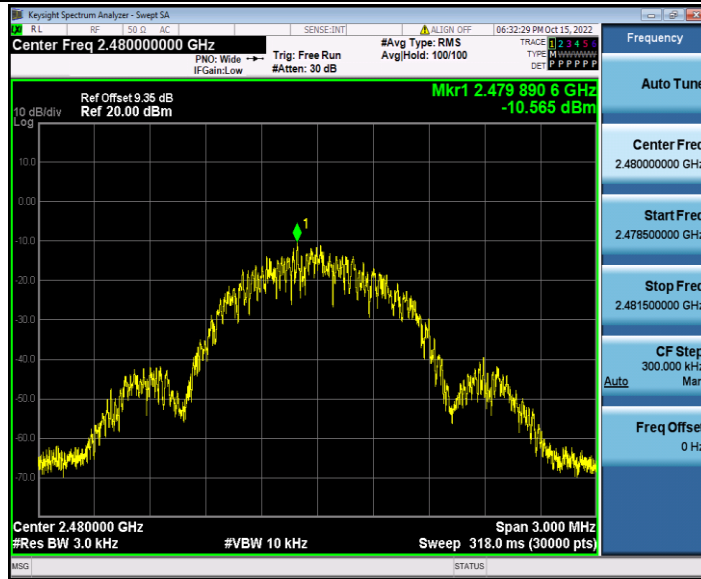
BLE_Ant0_2402



BLE_Ant0_2440



BLE_Ant0_2480



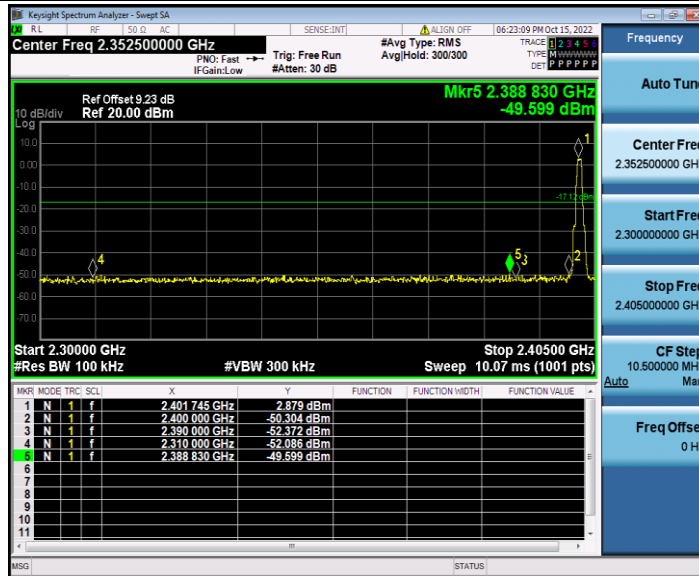
Appendix B.5: Band edge measurements

Test Result

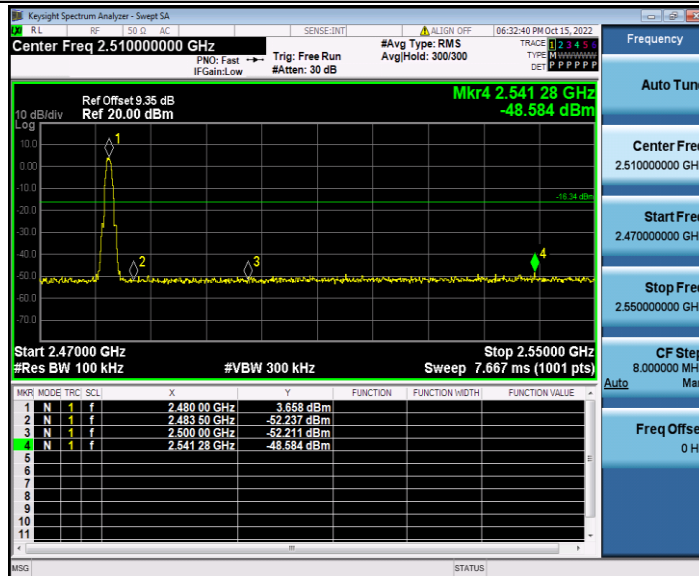
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	Low	2402	2.88	-49.6	≤ -17.12	PASS
		High	2480	3.66	-48.58	≤ -16.34	PASS

Test Graphs

BLE_Ant0_Low_2402



BLE_Ant0_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

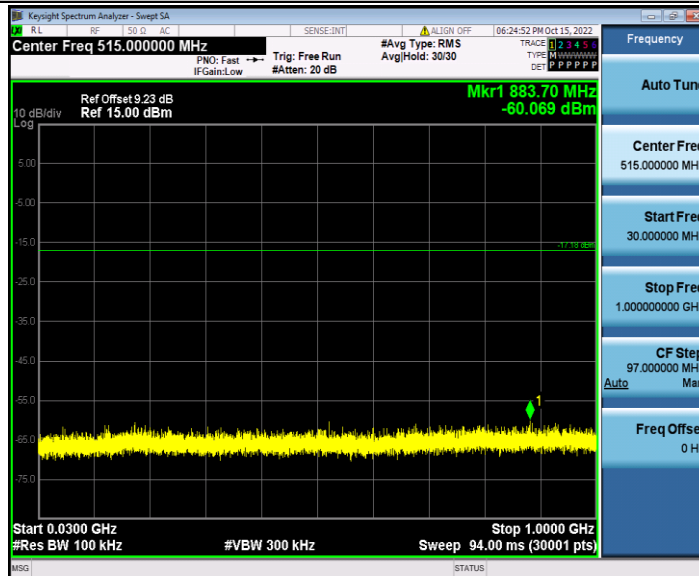
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant0	2402	Reference	2.82	2.82	---	PASS
			30~1000	2.82	-60.07	≤ -17.18	PASS
			1000~26500	2.82	-47.67	≤ -17.18	PASS
		2440	Reference	3.14	3.14	---	PASS
			30~1000	3.14	-60.38	≤ -16.86	PASS
			1000~26500	3.14	-47.02	≤ -16.86	PASS
		2480	Reference	3.15	3.15	---	PASS
			30~1000	3.15	-60.13	≤ -16.85	PASS
			1000~26500	3.15	-47.54	≤ -16.85	PASS

Test Graphs

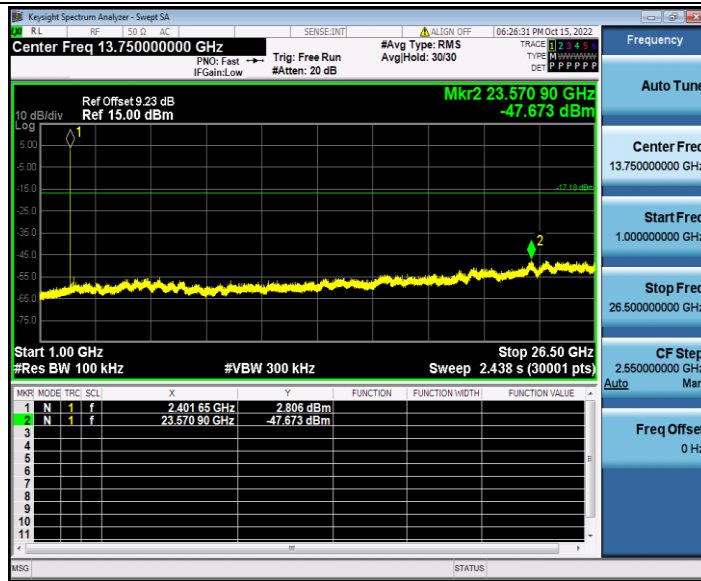
BLE_Ant0_2402_0~Reference



BLE_Ant0_2402_30~1000



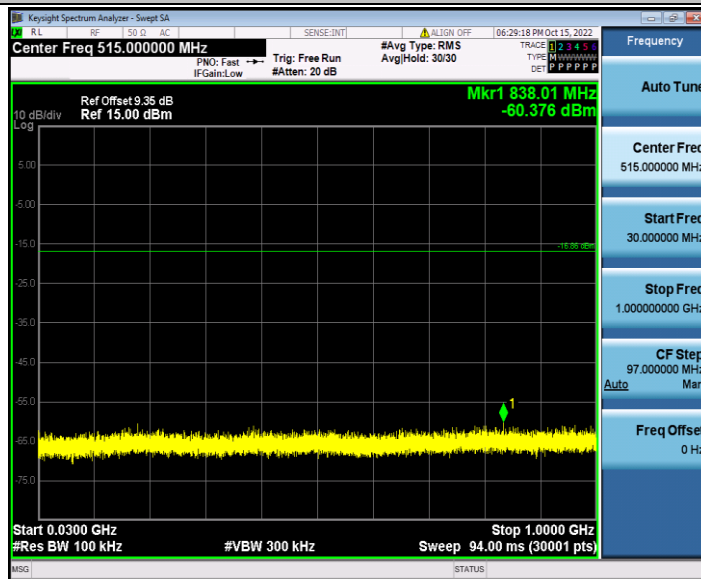
BLE_Ant0_2402_1000~26500



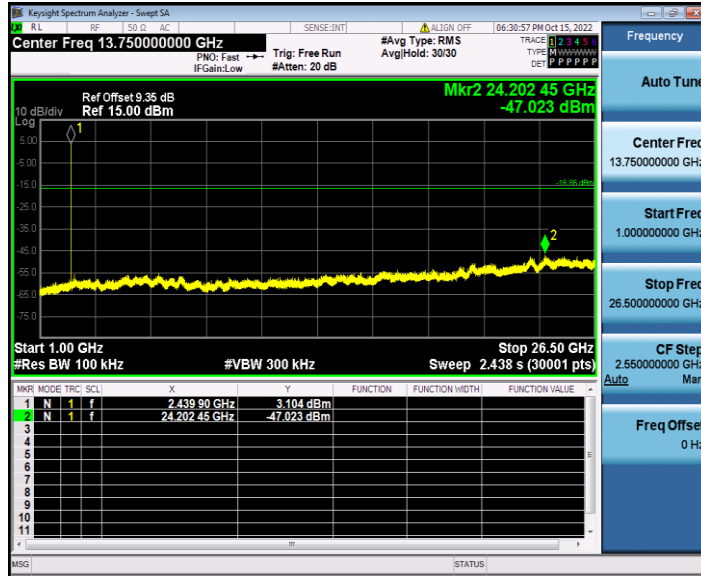
BLE_Ant0_2440_0-Reference



BLE_Ant0_2440_30~1000



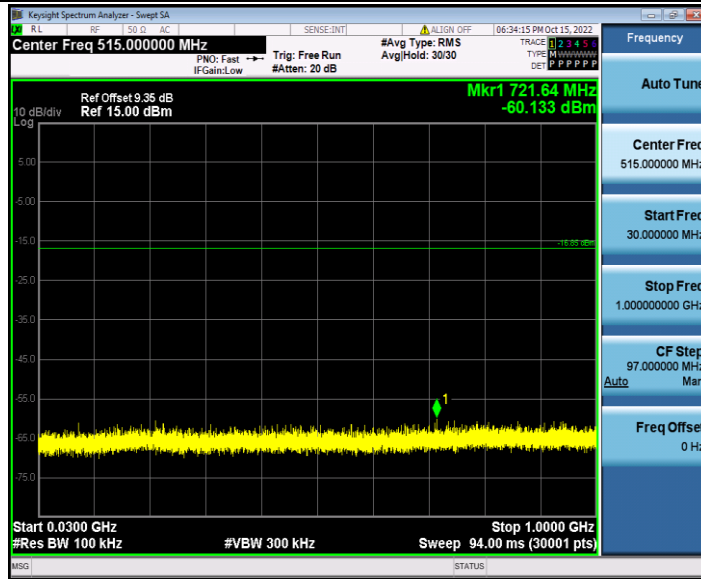
BLE_Ant0_2440_1000~26500



BLE_Ant0_2480_0~Reference



BLE_Ant0_2480_30~1000



BLE_Ant0_2480_1000~26500

