

Case No. : <u>GTS20211218008-1-34</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa	
Test Date: <u>2022.8.3</u>	Test Engineer: <u>Jenny zeng</u>

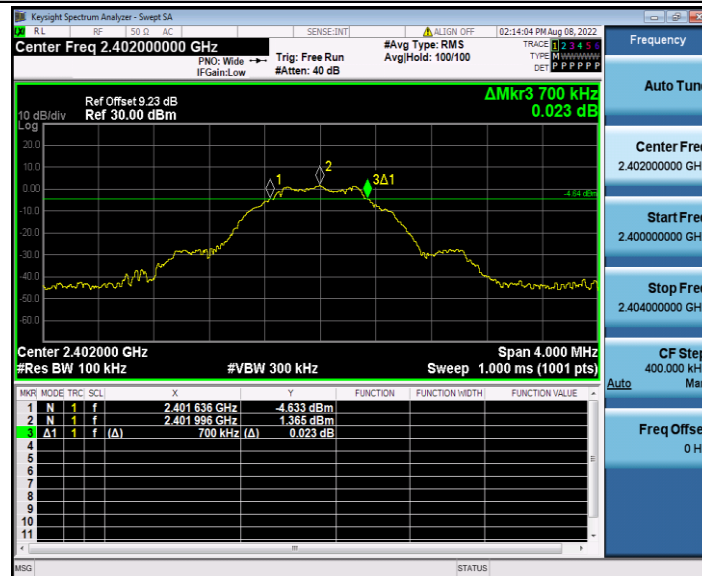
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.700	2401.636	2402.336	0.5	PASS
		2440	0.696	2439.640	2440.336	0.5	PASS
		2480	0.692	2479.636	2480.328	0.5	PASS

Test Graphs

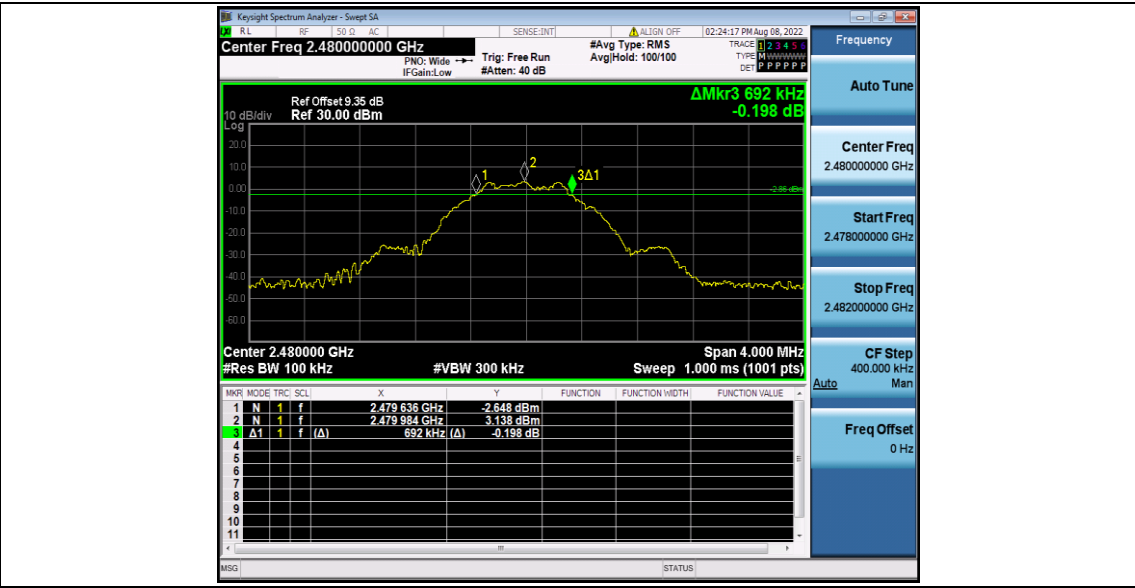
BLE_Ant1_2402



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	1.0628	2401.472	2402.535	---	---
		2440	1.0622	2439.464	2440.526	---	---
		2480	1.0656	2479.455	2480.521	---	---

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	2.25	≤30	PASS
		2440	4.90	≤30	PASS
		2480	3.99	≤30	PASS

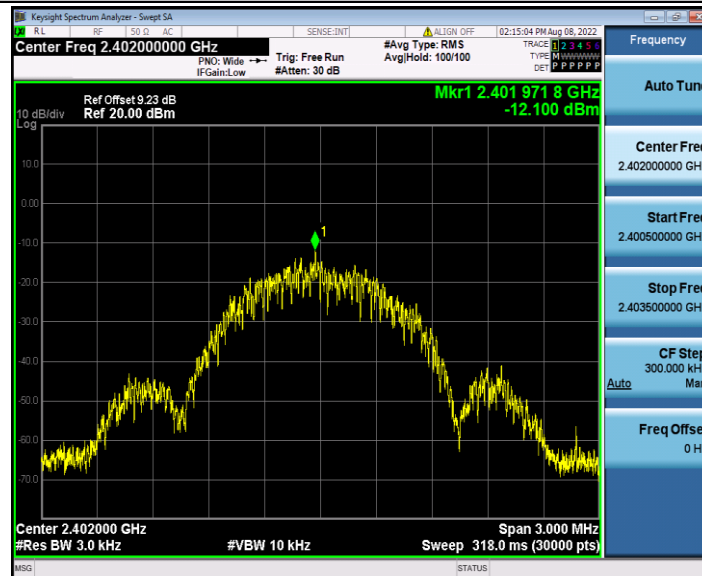
Appendix B.4: Maximum power spectral density

Test Result

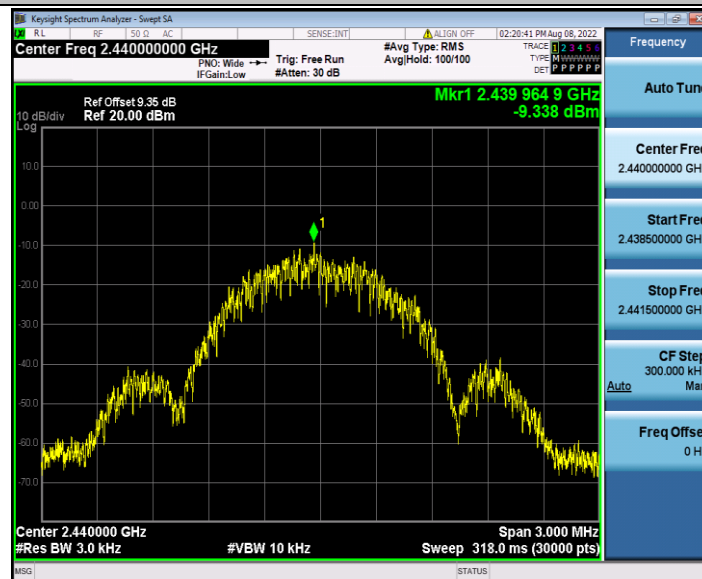
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.10	≤8.00	PASS
		2440	-9.34	≤8.00	PASS
		2480	-10.23	≤8.00	PASS

Test Graphs

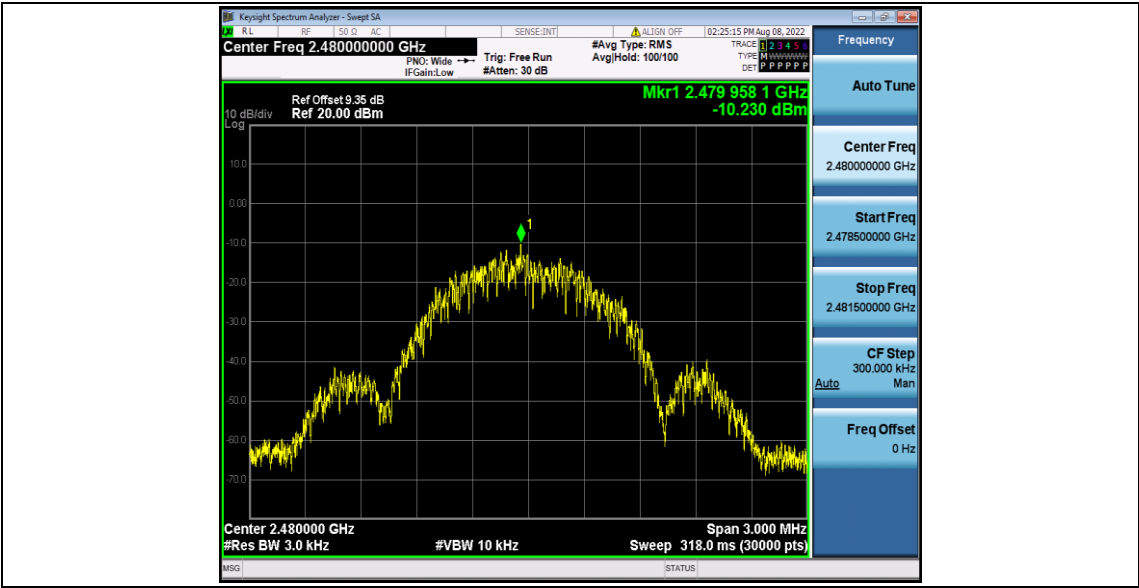
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



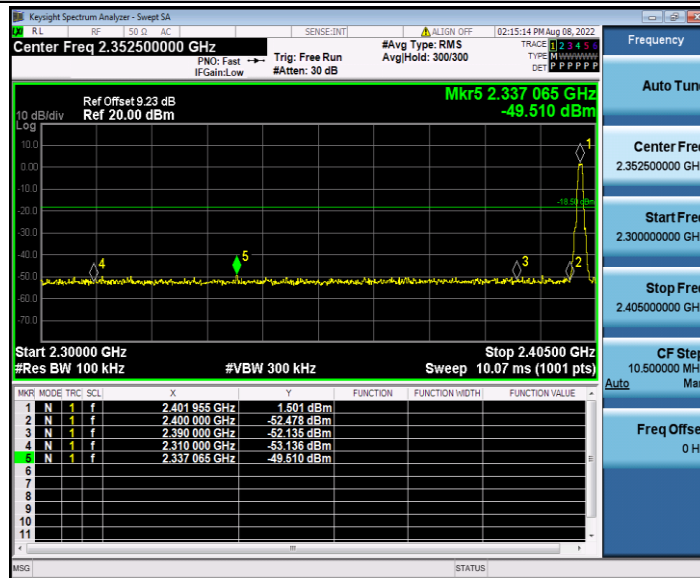
Appendix B.5: Band edge measurements

Test Result

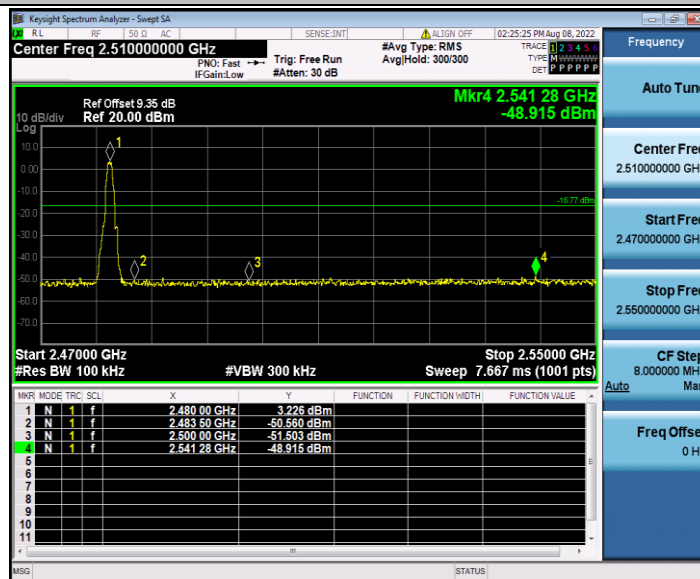
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.50	-49.51	≤-18.5	PASS
		High	2480	3.23	-48.92	≤-16.77	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

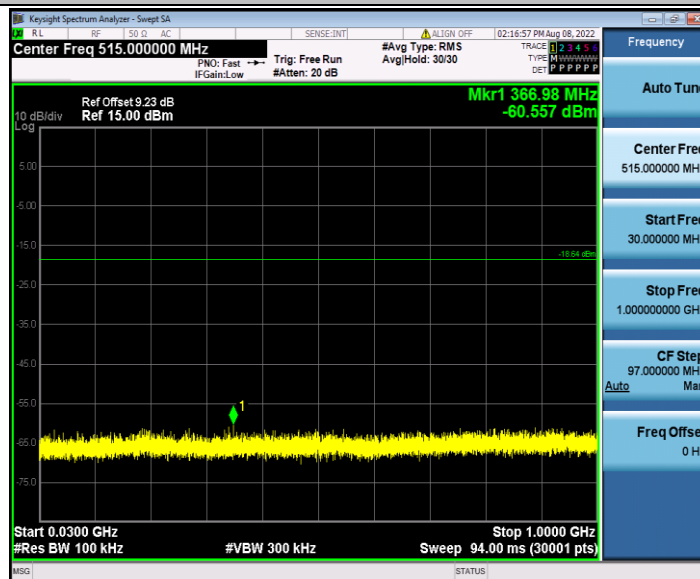
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-60.56	≤-18.64	PASS
			1000~26500	1.36	-47.39	≤-18.64	PASS
		2440	Reference	3.66	3.66	---	PASS
			30~1000	3.66	-60.35	≤-16.34	PASS
			1000~26500	3.66	-47.53	≤-16.34	PASS
		2480	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-59.63	≤-17.21	PASS
			1000~26500	2.79	-47.27	≤-17.21	PASS

Test Graphs

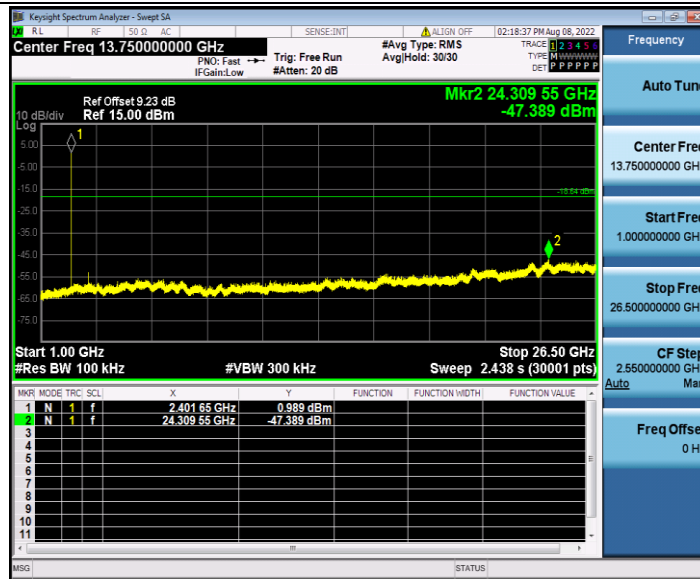
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



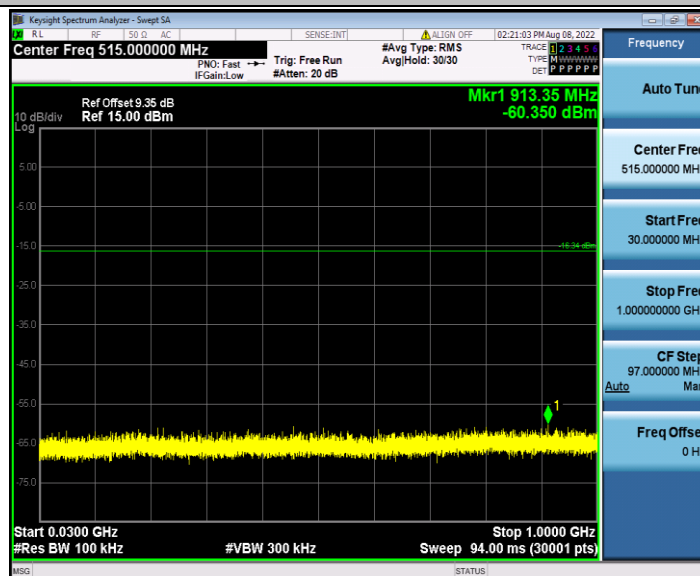
BLE_Ant1_2402_1000~26500



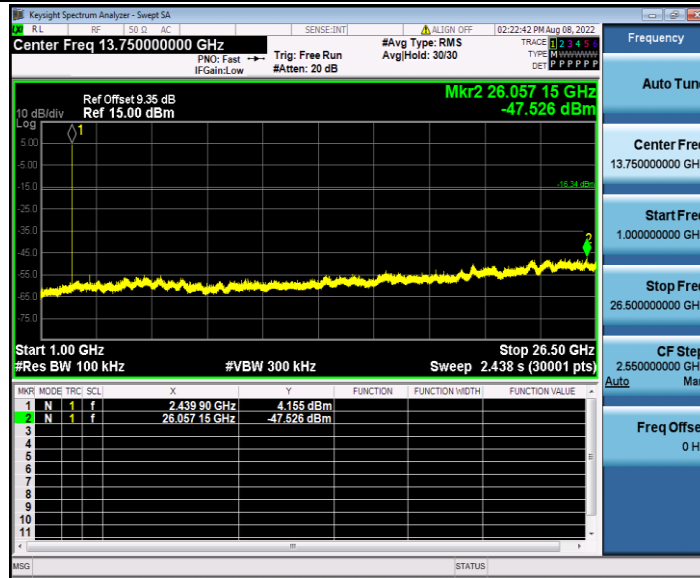
BLE_Ant1_2440_0~Reference



BLE	Ant1	2440	30~1000
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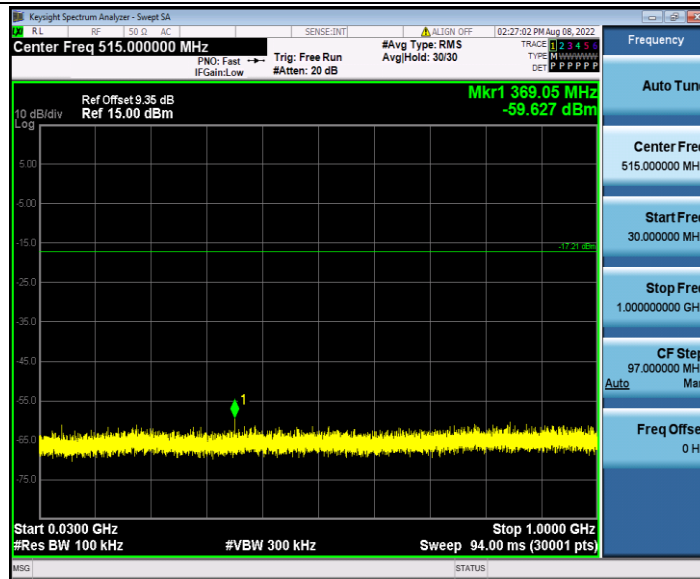
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

