

Case No. : <u>GTS20220905013-1-8</u>	
Ambient Condition: <u>24</u> °C, <u>46</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.9.21</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	0.720	2401.656	2402.376	0.5	PASS
		2440	0.732	2439.636	2440.368	0.5	PASS
		2480	0.692	2479.668	2480.360	0.5	PASS

Test Graphs

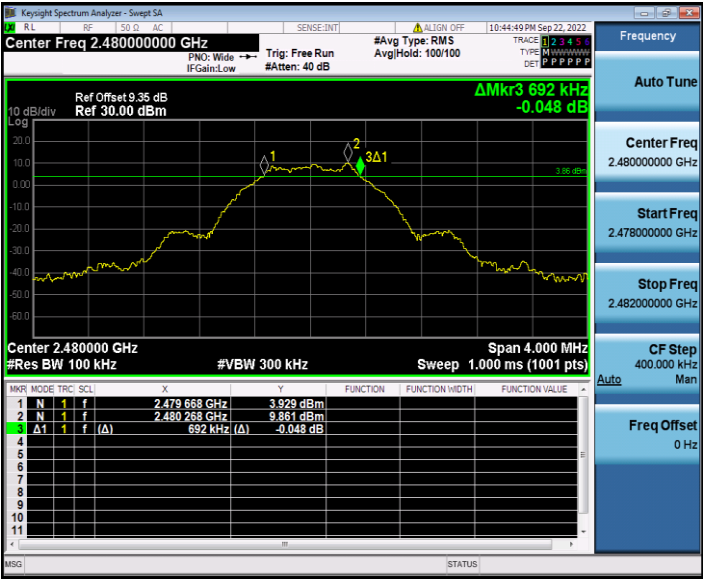
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



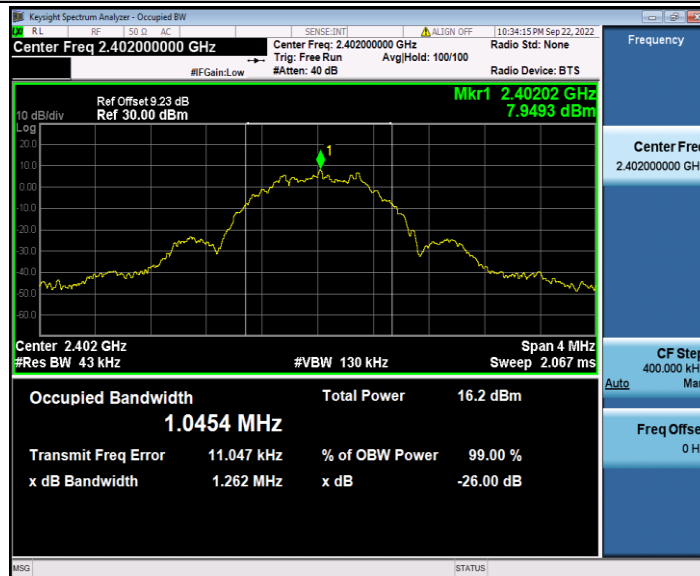
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0454	2401.488	2402.534	---	---
		2440	1.0411	2439.494	2440.535	---	---
		2480	1.0473	2479.487	2480.535	---	---

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	9.29	≤30	PASS
		2440	10	≤30	PASS
		2480	9.97	≤30	PASS

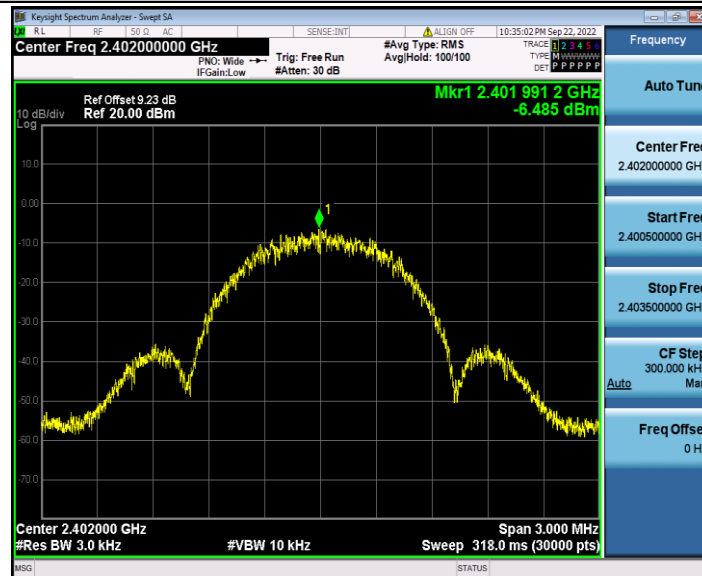
Appendix B.4: Maximum power spectral density

Test Result

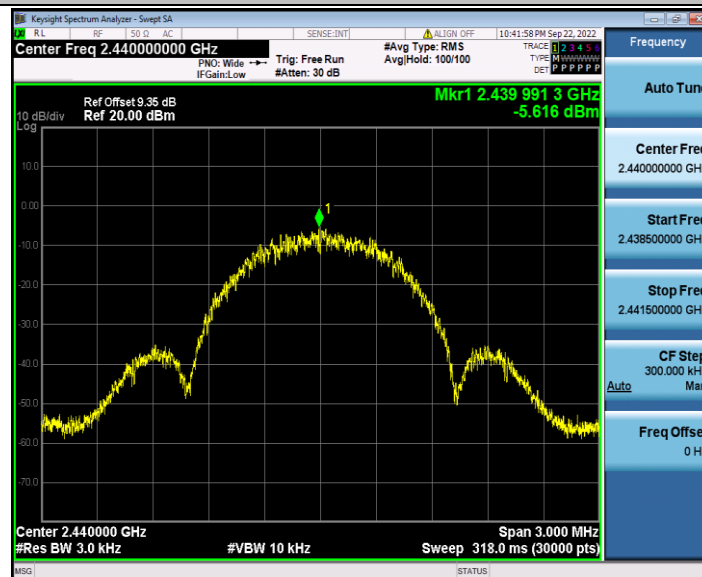
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-6.49	≤8.00	PASS
		2440	-5.62	≤8.00	PASS
		2480	-5.64	≤8.00	PASS

Test Graphs

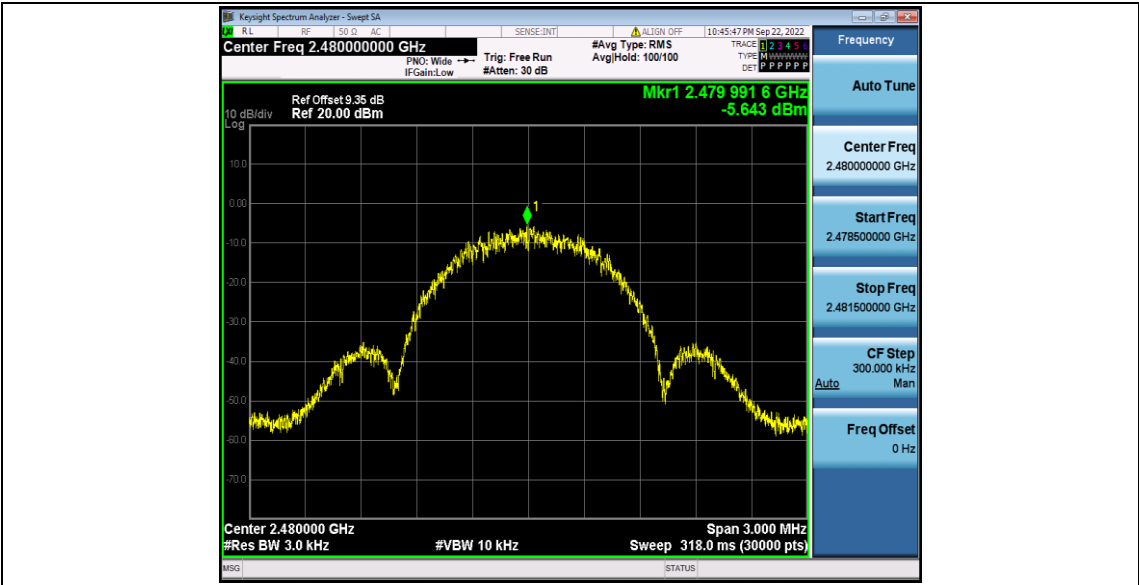
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



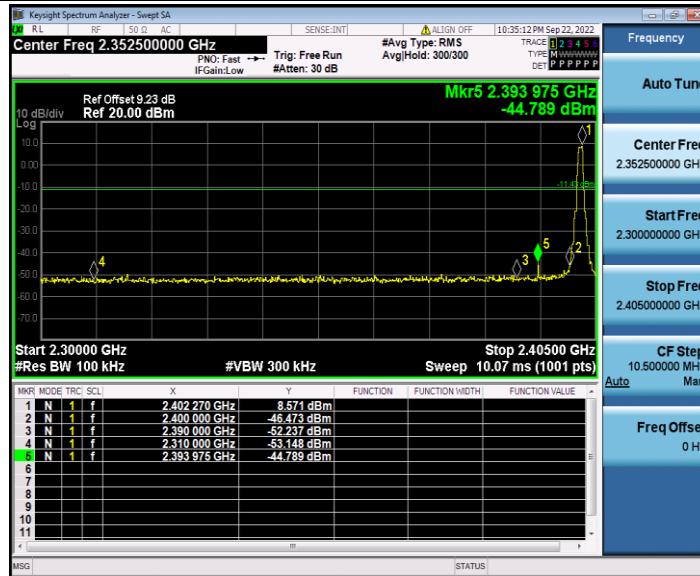
Appendix B.5: Band edge measurements

Test Result

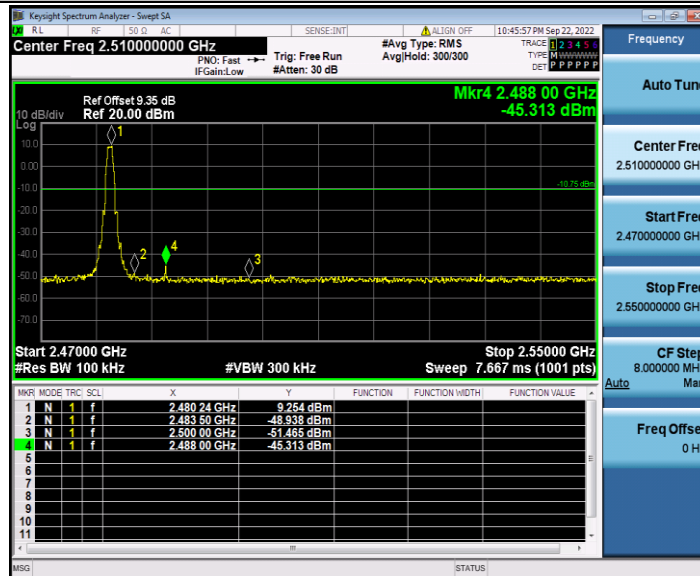
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	8.57	-44.79	≤-11.43	PASS
		High	2480	9.25	-45.31	≤-10.75	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

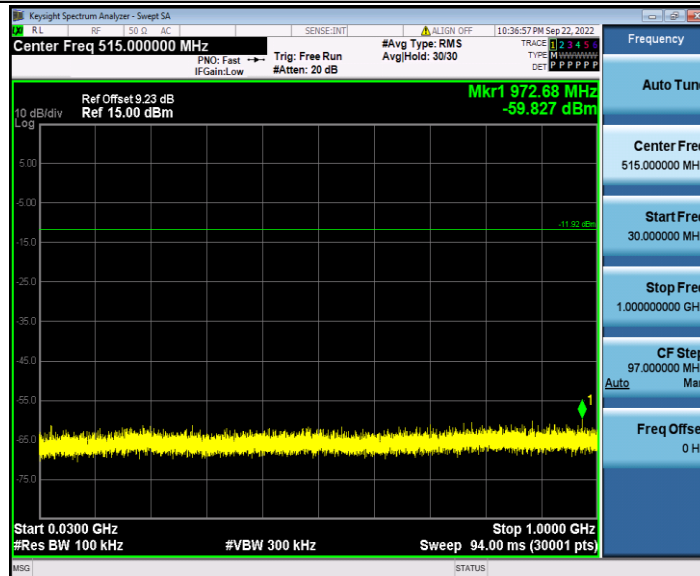
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	8.08	8.08	---	PASS
			30~1000	8.08	-59.83	≤-11.92	PASS
			1000~26500	8.08	-43.32	≤-11.92	PASS
		2440	Reference	8.48	8.48	---	PASS
			30~1000	8.48	-59.96	≤-11.52	PASS
			1000~26500	8.48	-43.7	≤-11.52	PASS
		2480	Reference	9.89	9.89	---	PASS
			30~1000	9.89	-60.27	≤-10.11	PASS
			1000~26500	9.89	-45.59	≤-10.11	PASS

Test Graphs

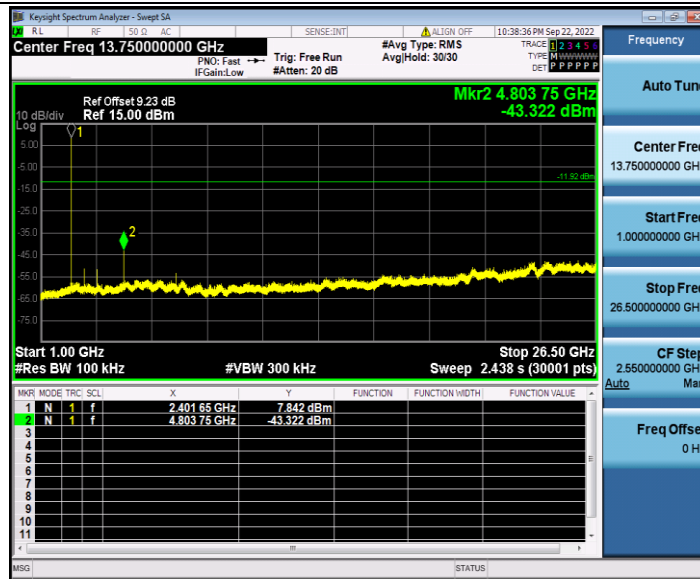
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



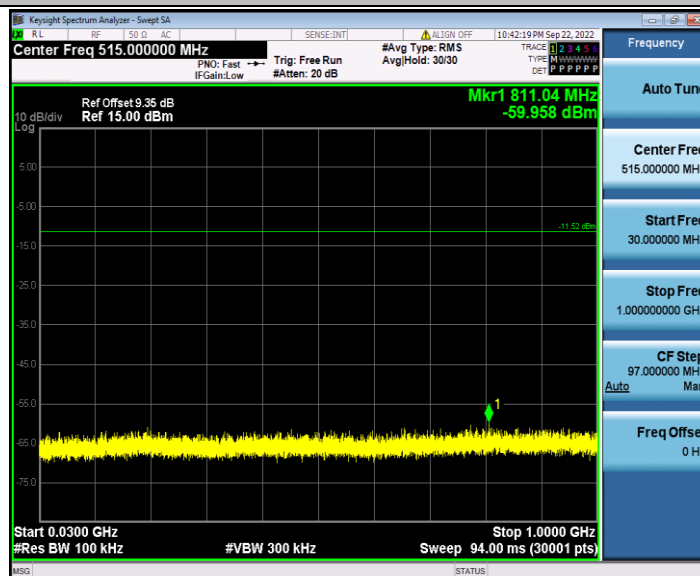
BLE_Ant1_2402_1000~26500



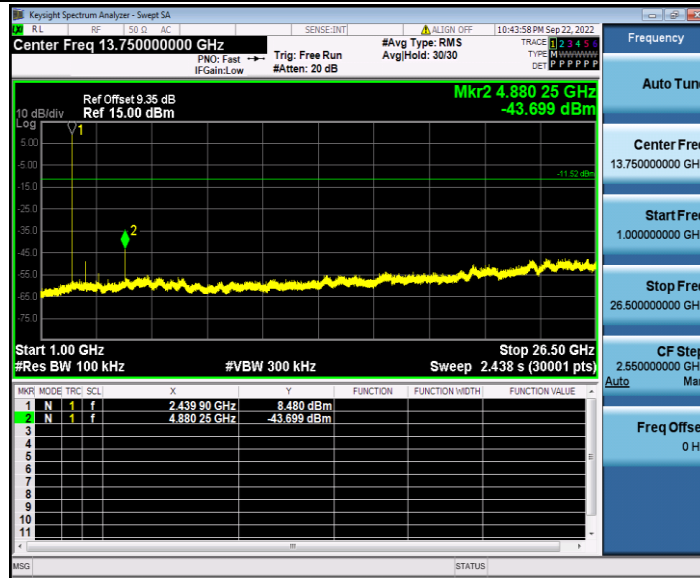
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



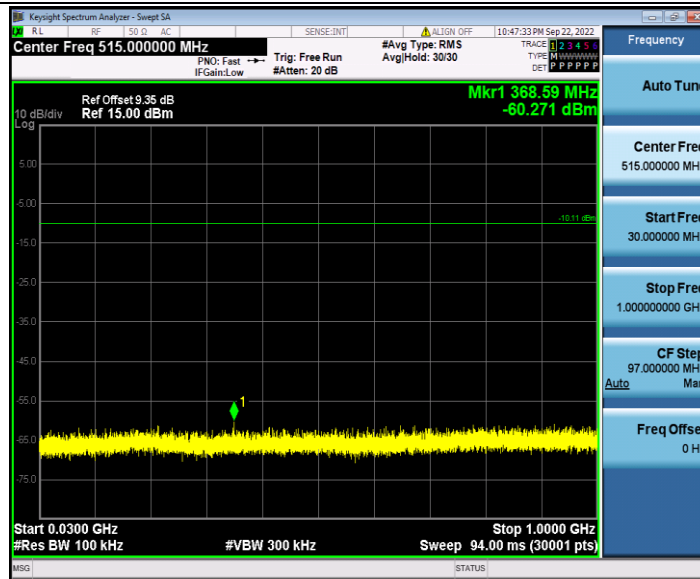
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

