

Case No. : <u>GTS20220810005-1-1-1</u>	
Ambient Condition: <u>25</u> °C, <u>50</u> %RH,	
Test Date: <u>2022.8.18</u>	Test Engineer: <u>Jenny zeng</u>

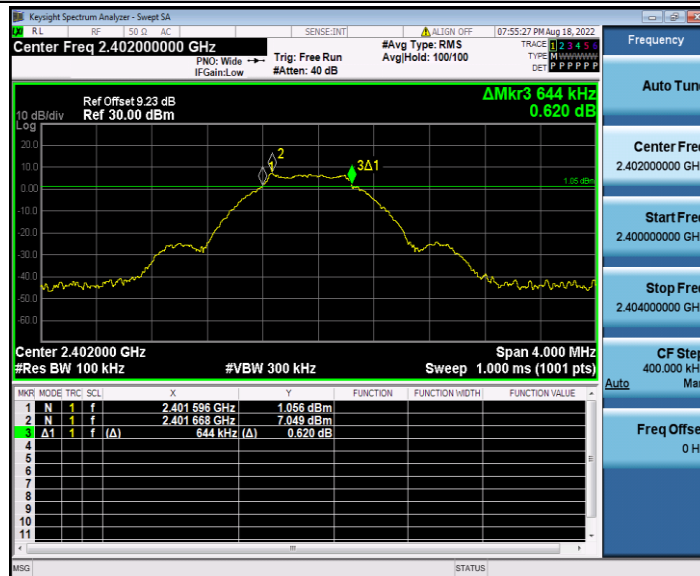
Appendix A.1: DTS Bandwidth

Test Result

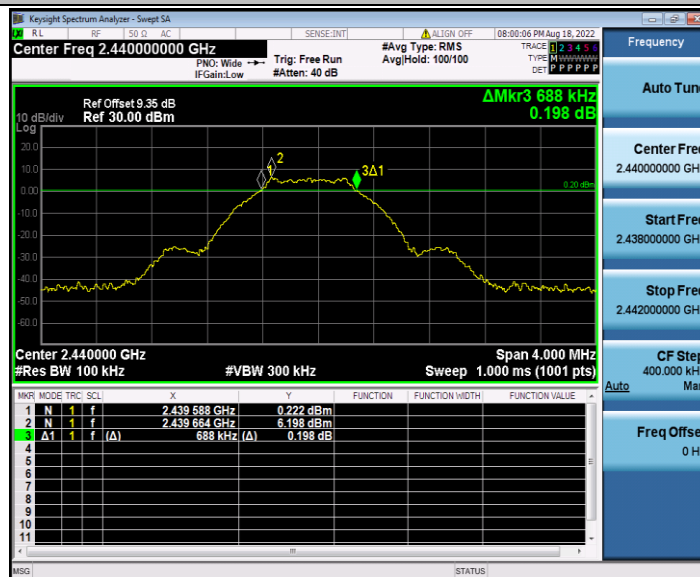
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.644	2401.596	2402.240	0.5	PASS
		2440	0.688	2439.588	2440.276	0.5	PASS
		2480	0.716	2479.588	2480.304	0.5	PASS

Test Graphs

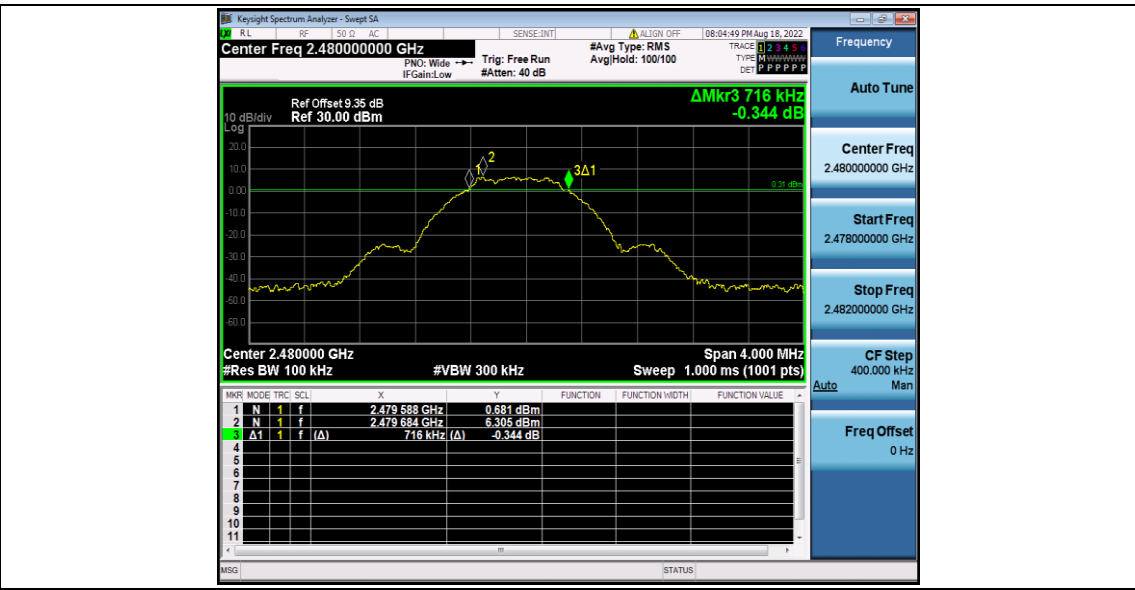
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



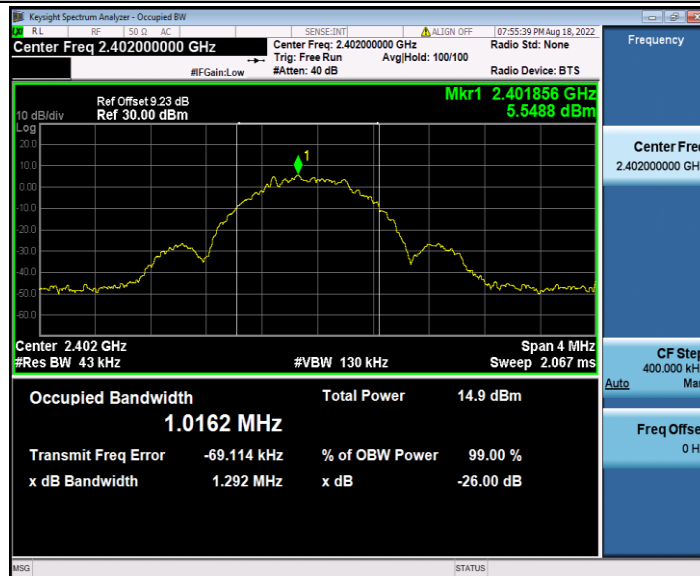
Appendix A.2: Occupied Channel Bandwidth

Test Result

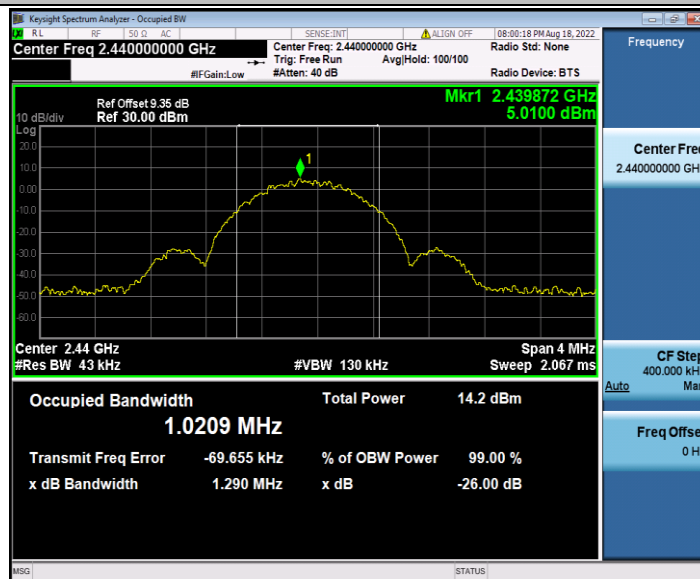
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0162	2401.423	2402.439	---	---
		2440	1.0209	2439.420	2440.441	---	---
		2480	1.0368	2479.409	2480.446	---	---

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	7.54	≤30	PASS
		2440	6.91	≤30	PASS
		2480	7.54	≤30	PASS

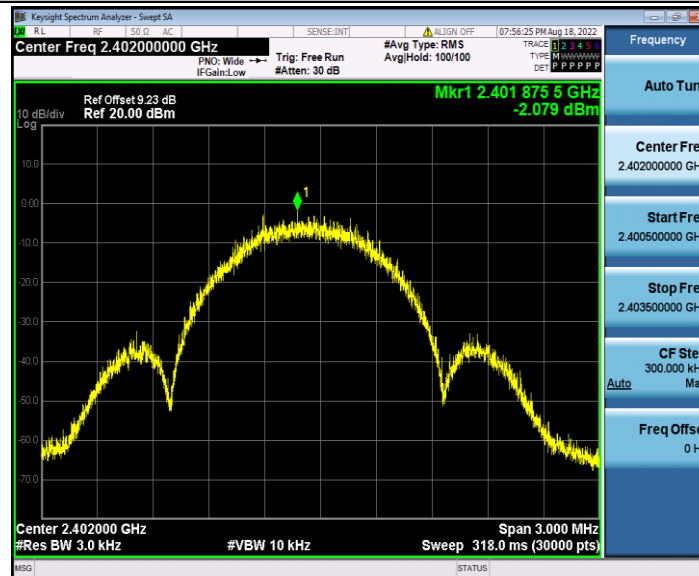
Appendix A.4: Maximum power spectral density

Test Result

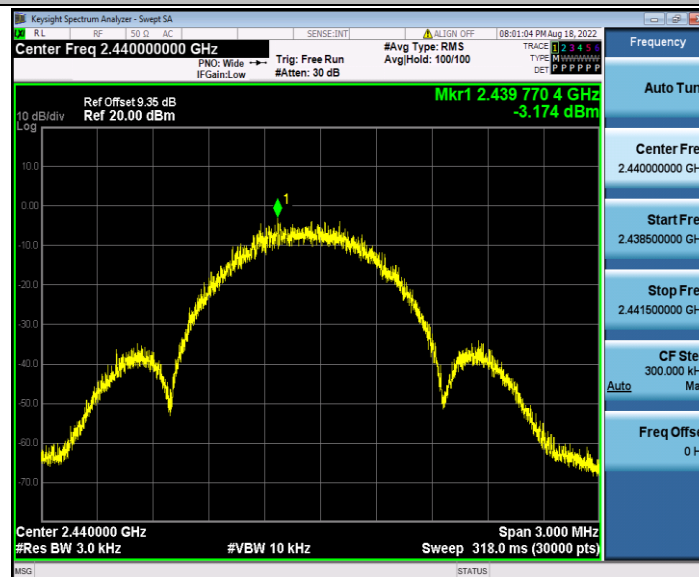
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-2.08	≤8.00	PASS
		2440	-3.17	≤8.00	PASS
		2480	-1.84	≤8.00	PASS

Test Graphs

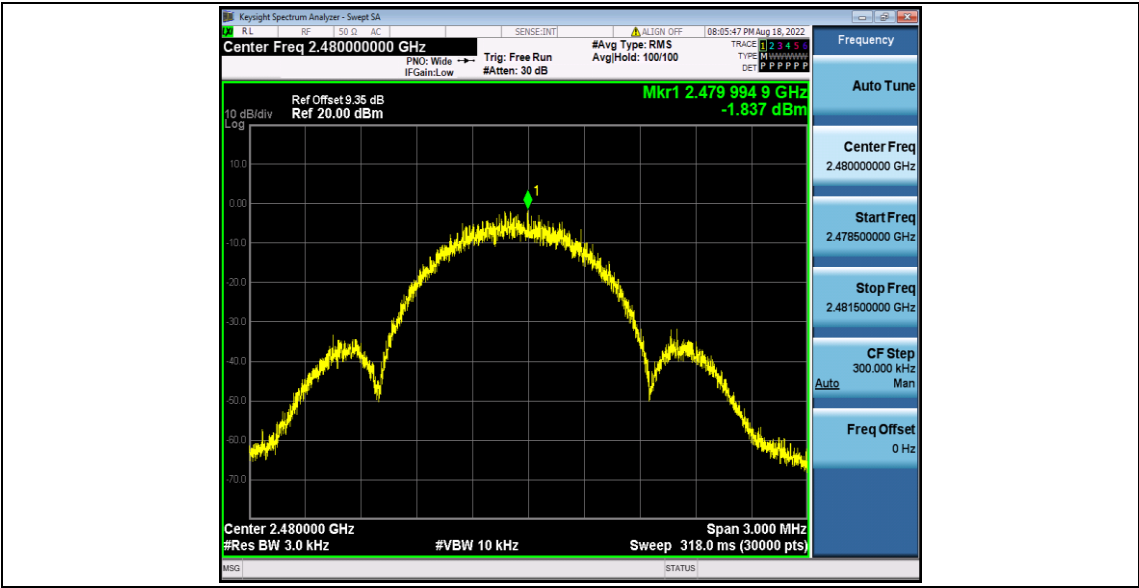
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



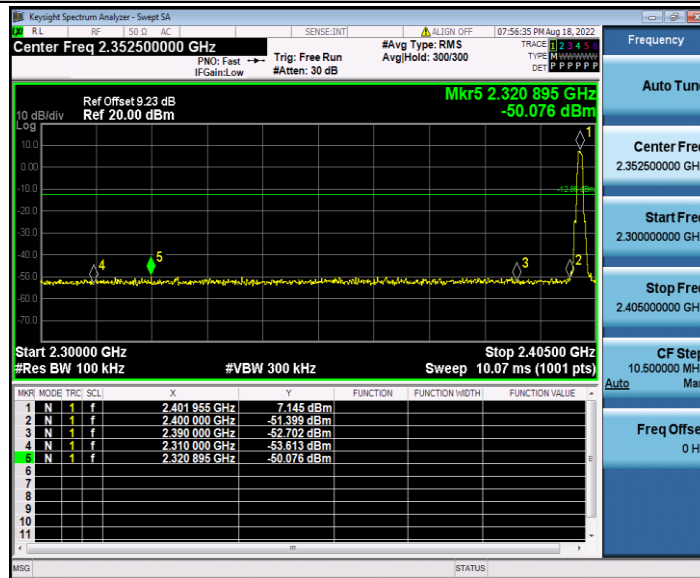
Appendix A.5: Band edge measurements

Test Result

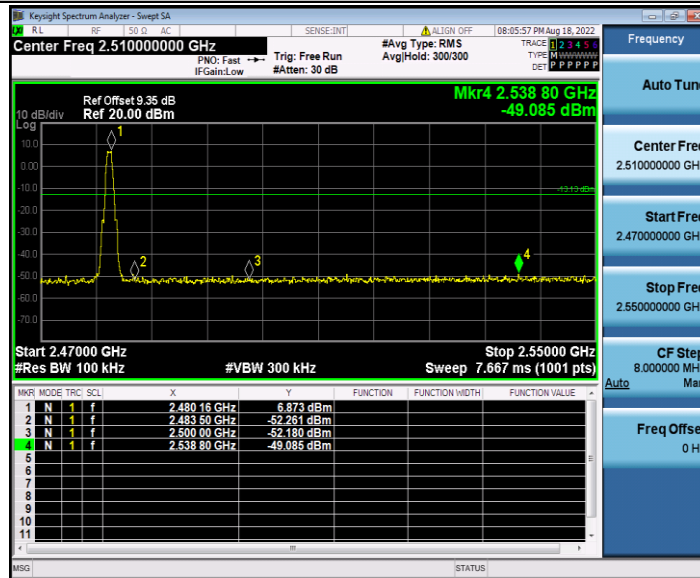
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	7.15	-50.08	≤-12.86	PASS
		High	2480	6.87	-49.09	≤-13.13	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

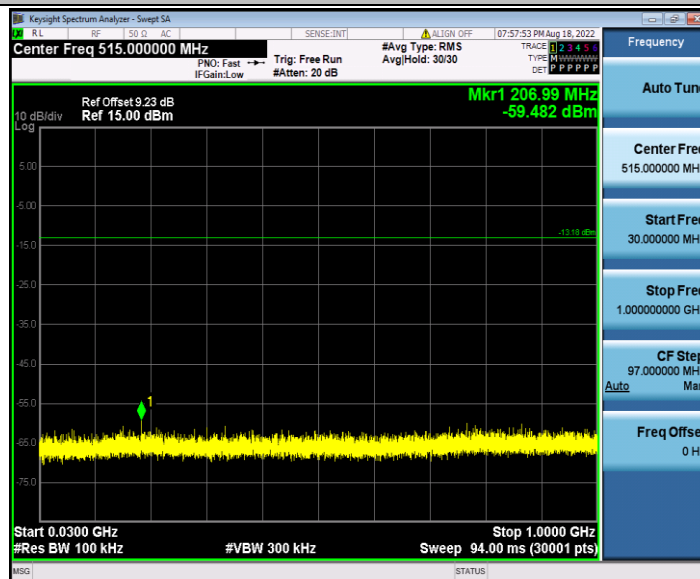
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-59.48	≤-13.18	PASS
			1000~26500	6.82	-43.71	≤-13.18	PASS
		2440	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-59.34	≤-13.51	PASS
			1000~26500	6.49	-41.72	≤-13.51	PASS
		2480	Reference	6.50	6.50	---	PASS
			30~1000	6.50	-59.88	≤-13.5	PASS
			1000~26500	6.50	-43.99	≤-13.5	PASS

Test Graphs

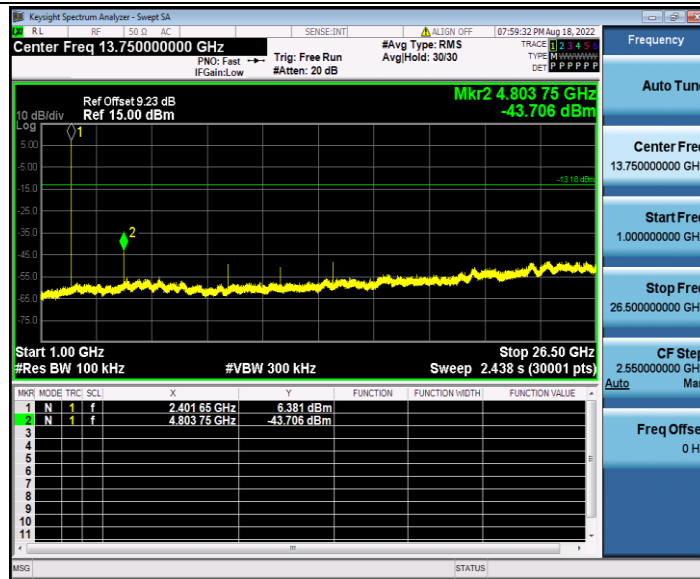
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



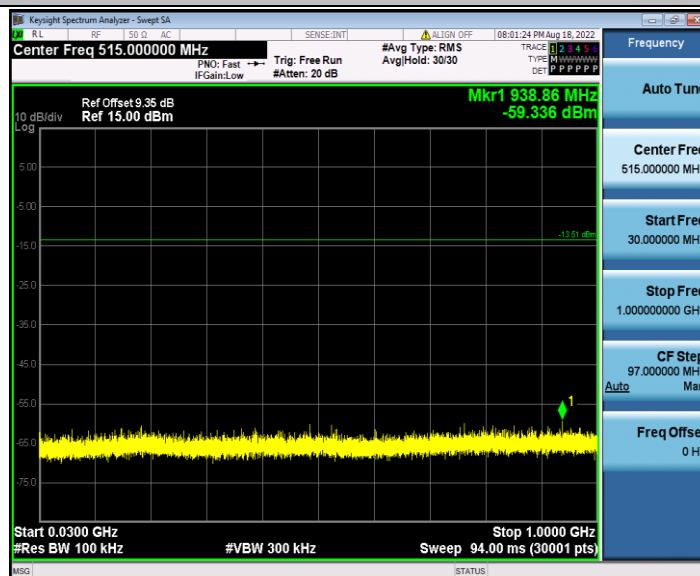
BLE_Ant1_2402_1000~26500



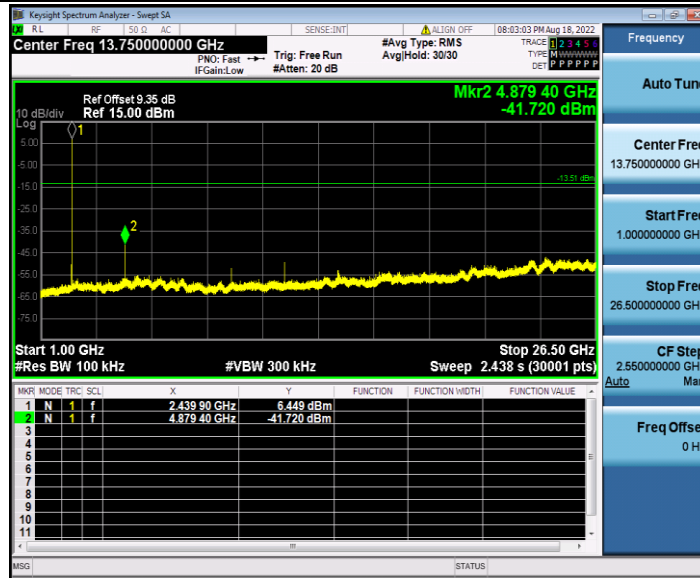
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



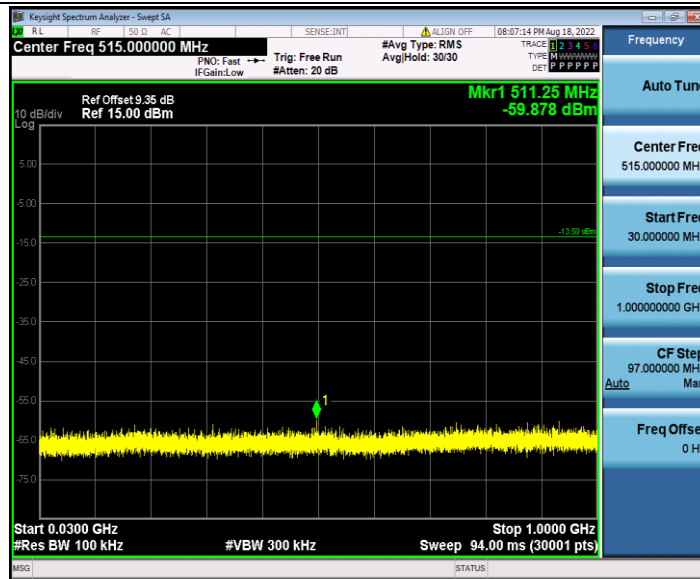
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

