

Case No. : <u>GTS20220424022-1-6</u>	
Ambient Condition: <u>21</u> °C, <u>42</u> %RH,	
Test Date: <u>2022/6/9</u>	Test Engineer: <u>Jenny Zeng</u>

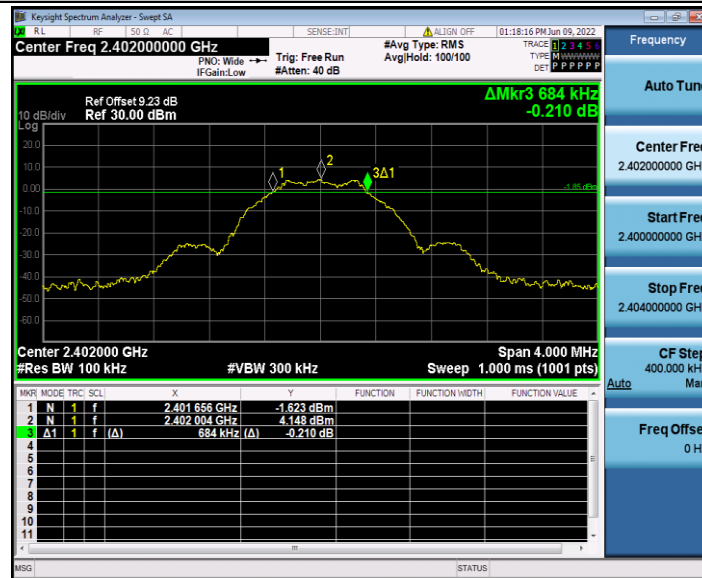
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.684	2401.656	2402.340	0.5	PASS
		2440	0.676	2439.668	2440.344	0.5	PASS
		2480	0.688	2479.644	2480.332	0.5	PASS

Test Graphs

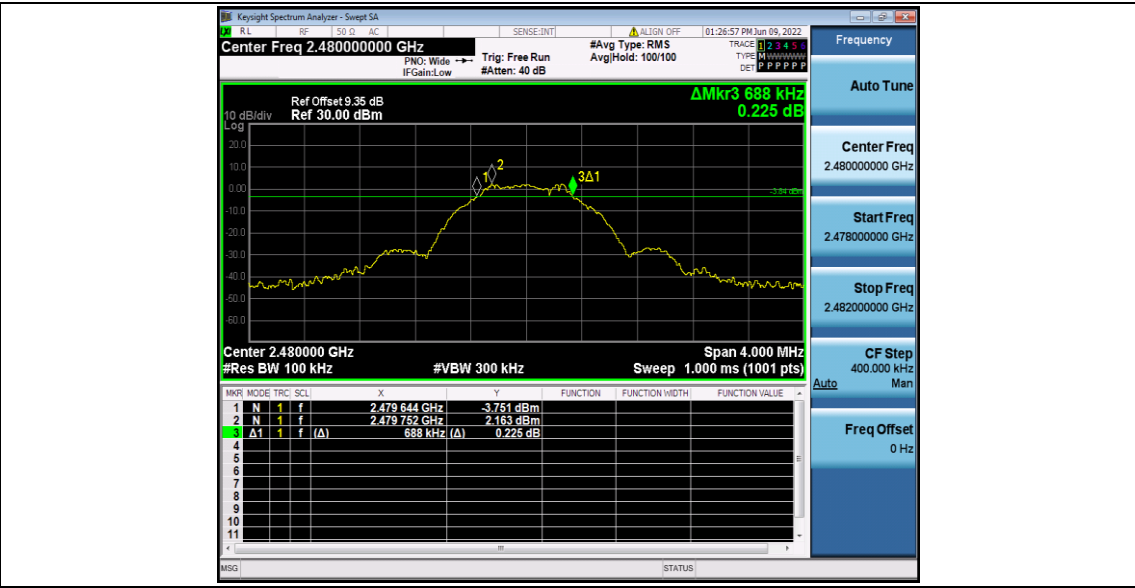
BLE_Ant1_2402



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	1.0379	2401.494	2402.532	---	---
		2440	1.0400	2439.492	2440.532	---	---
		2480	1.0334	2479.495	2480.529	---	---

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	3.02	≤30	PASS
		2440	3.06	≤30	PASS
		2480	3.26	≤30	PASS

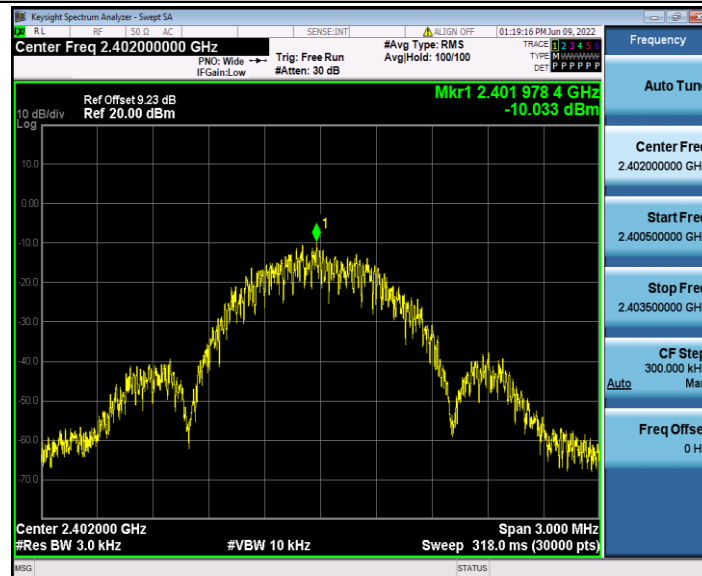
Appendix A.4: Maximum power spectral density

Test Result

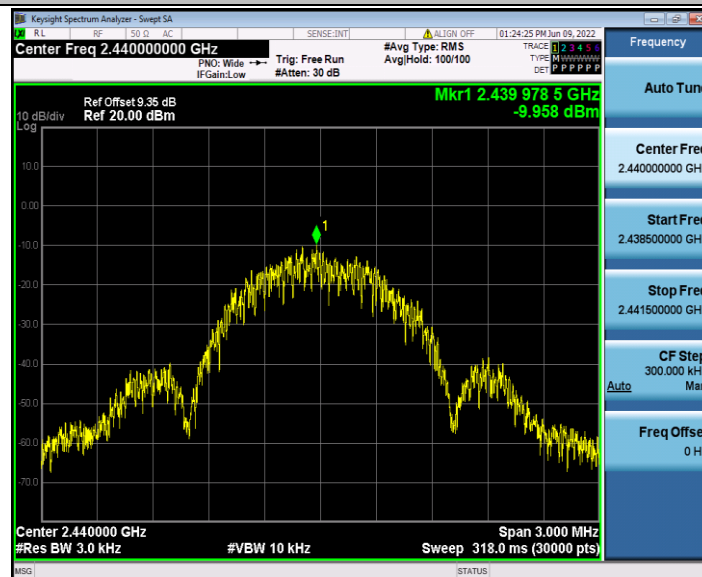
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-10.03	≤8.00	PASS
		2440	-9.96	≤8.00	PASS
		2480	-11.78	≤8.00	PASS

Test Graphs

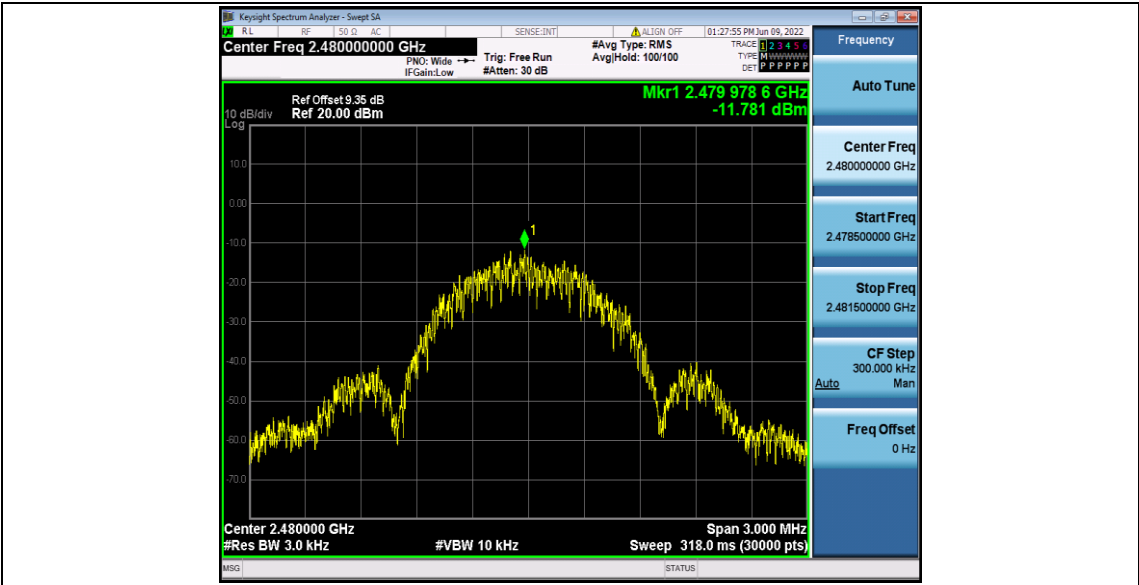
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



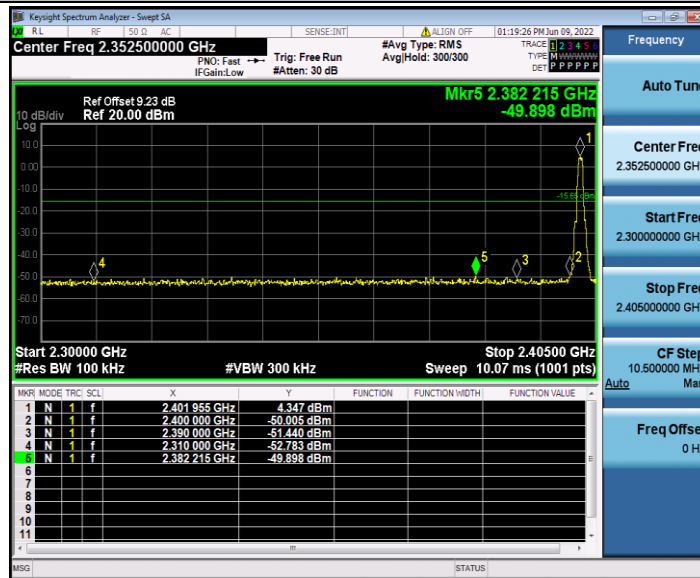
Appendix A.5: Band edge measurements

Test Result

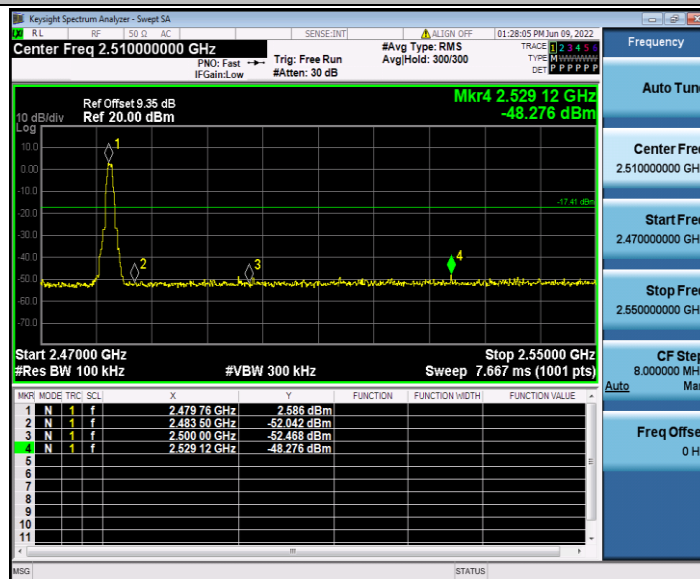
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	4.35	-49.9	≤-15.65	PASS
		High	2480	2.59	-48.28	≤-17.41	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

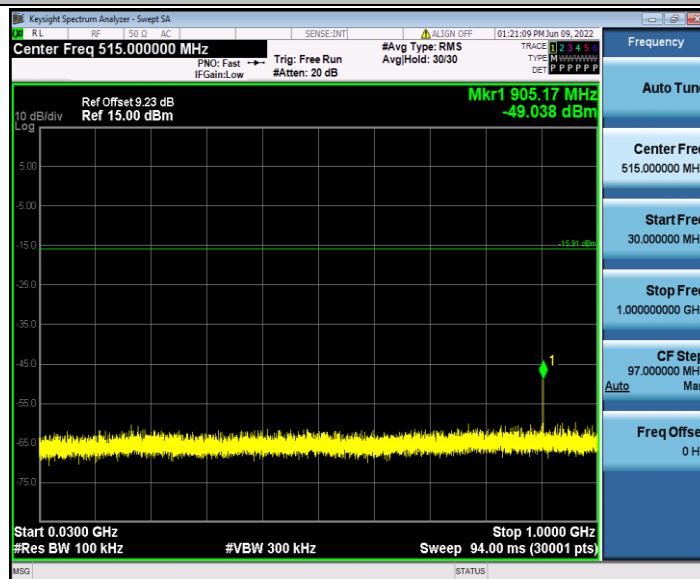
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	4.09	4.09	---	PASS
			30~1000	4.09	-49.04	≤ -15.91	PASS
			1000~26500	4.09	-47.53	≤ -15.91	PASS
		2440	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-60.1	≤ -15.9	PASS
			1000~26500	4.10	-47.93	≤ -15.9	PASS
		2480	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-60.54	≤ -17.7	PASS
			1000~26500	2.30	-47.14	≤ -17.7	PASS

Test Graphs

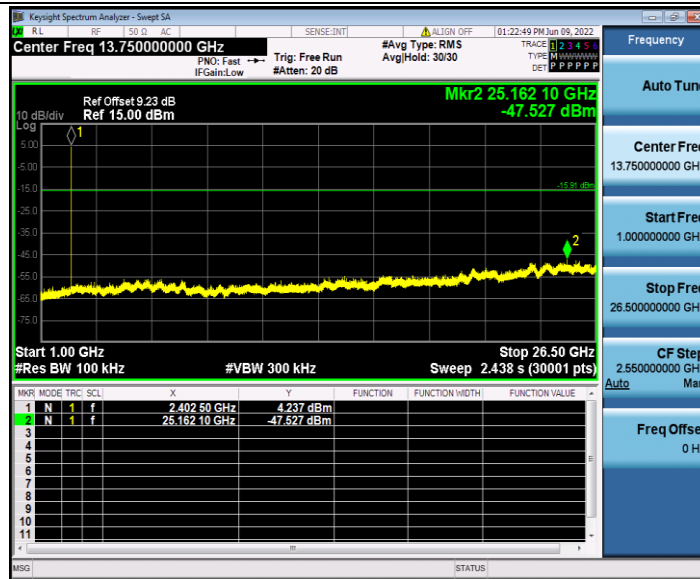
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



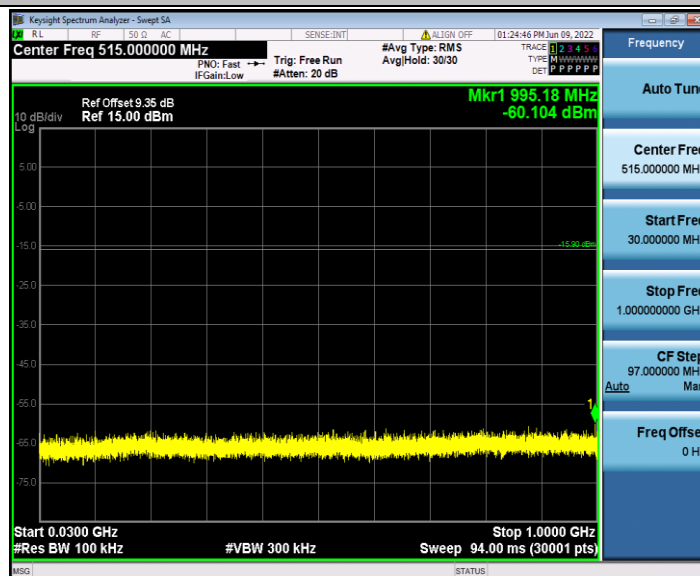
BLE_Ant1_2402_1000~26500



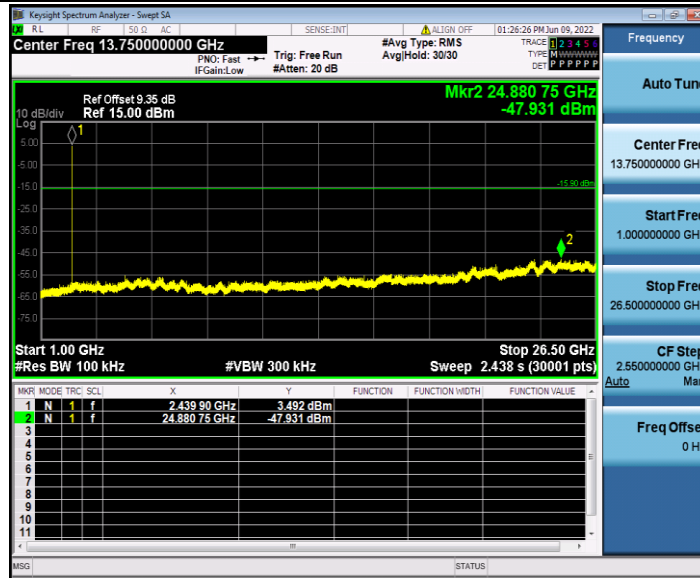
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



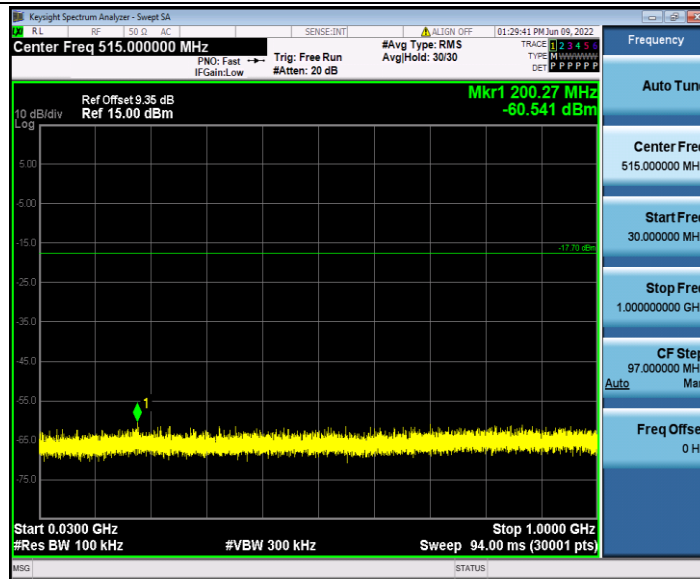
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

