

Case No. : <u>GTS20220915002-1-7</u>	
Ambient Condition: <u>26</u> °C, <u>46</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.10.9</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	0.504	2401.692	2402.196	0.5	PASS
		2440	0.636	2439.696	2440.332	0.5	PASS
		2480	0.592	2479.744	2480.336	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	1.0386	2401.514	2402.553	---	---
		2440	1.0311	2439.520	2440.551	---	---
		2480	1.0346	2479.516	2480.550	---	---

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	-0.14	≤30	PASS
		2440	0.53	≤30	PASS
		2480	0.03	≤30	PASS

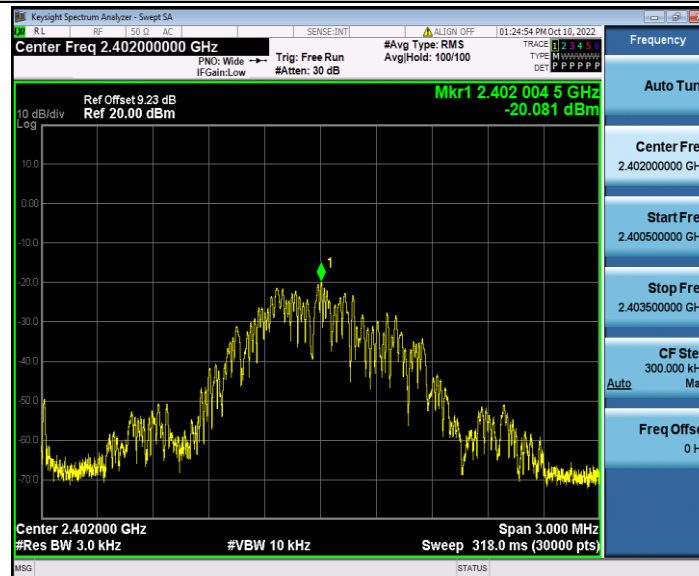
Appendix B.4: Maximum power spectral density

Test Result

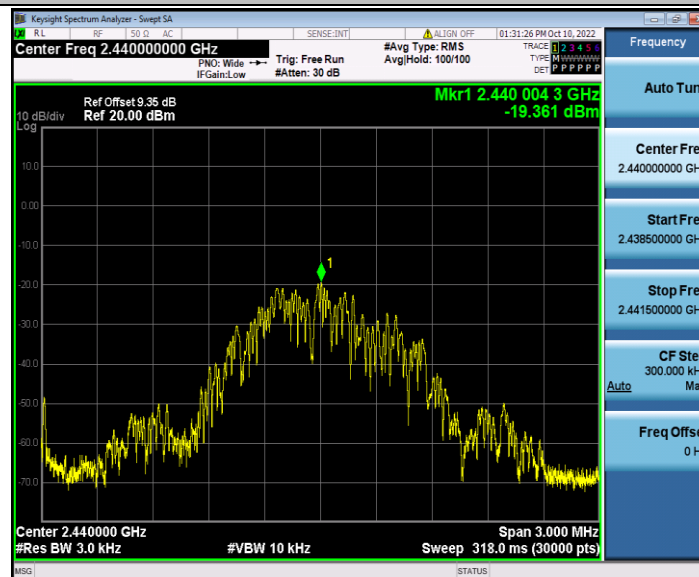
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-20.08	≤8.00	PASS
		2440	-19.36	≤8.00	PASS
		2480	-19.74	≤8.00	PASS

Test Graphs

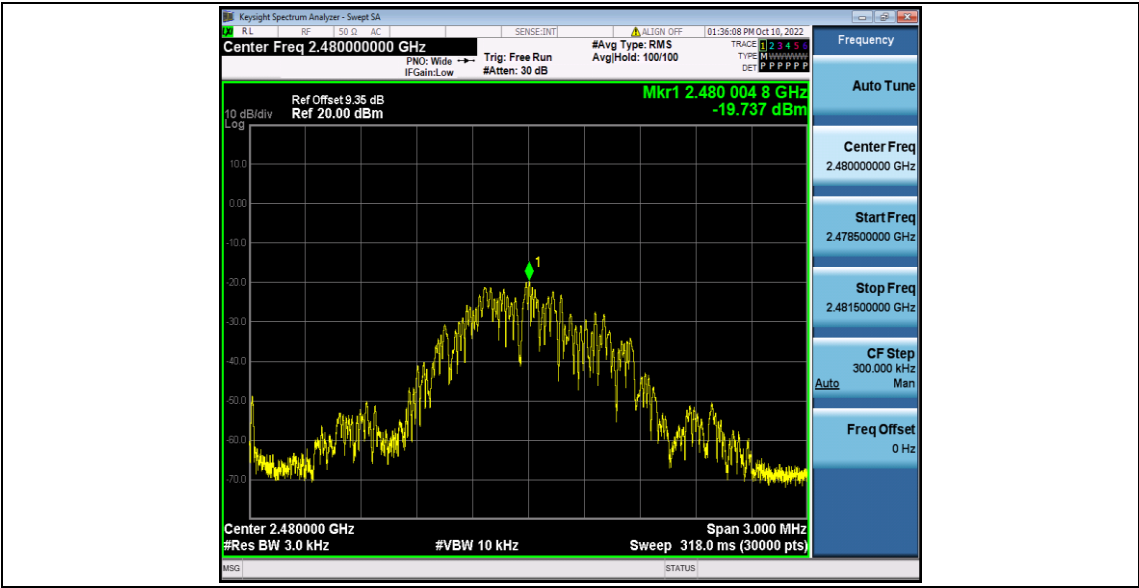
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



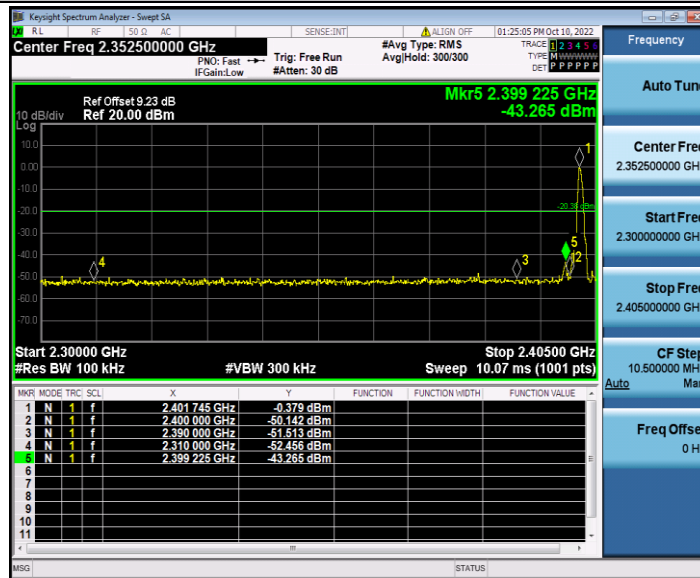
Appendix B.5: Band edge measurements

Test Result

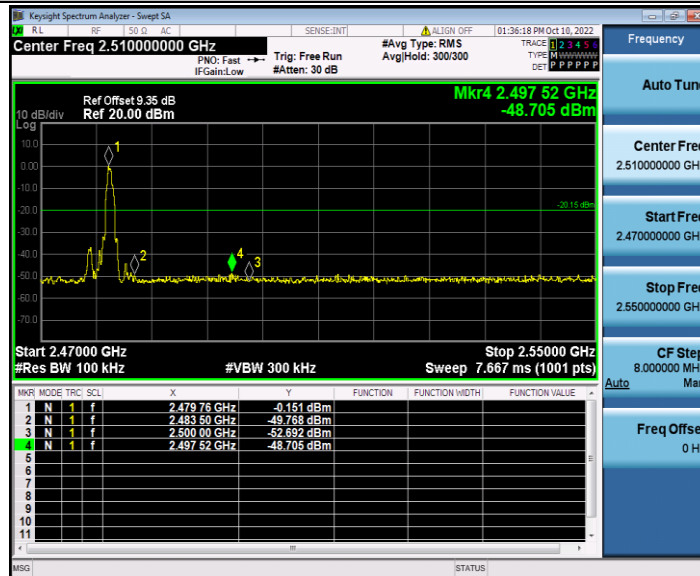
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.38	-43.27	≤-20.38	PASS
		High	2480	-0.15	-48.71	≤-20.15	PASS

Test Graphs

BLE_Ant1_Low_2402



BLE_Ant1_High_2480



Appendix B.6: Conducted Spurious Emission

Test Result

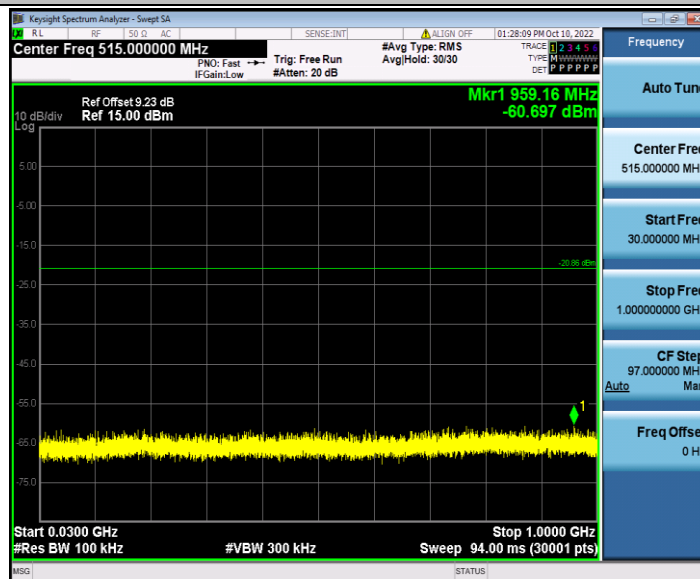
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-60.7	$\leq$ -20.86	PASS
			1000~26500	-0.86	-47.91	$\leq$ -20.86	PASS
		2440	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-60.59	$\leq$ -19.71	PASS
			1000~26500	0.29	-47.2	$\leq$ -19.71	PASS
		2480	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-60.46	$\leq$ -20.44	PASS
			1000~26500	-0.44	-47.71	$\leq$ -20.44	PASS

Test Graphs

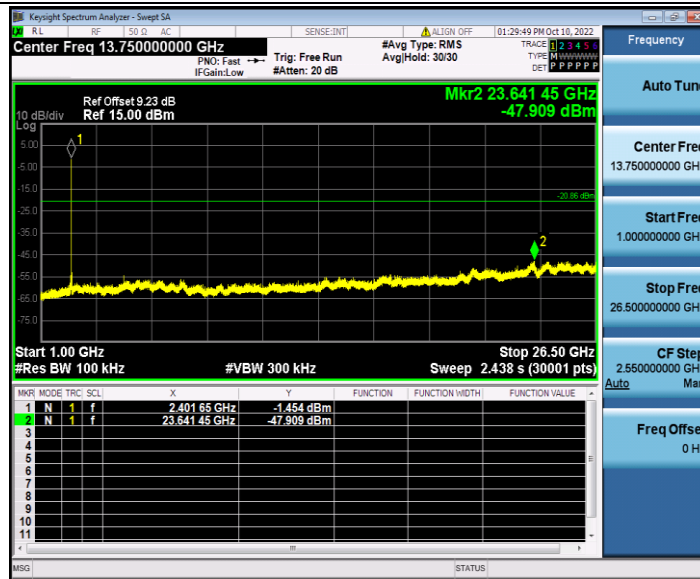
BLE_Ant1_2402_0~Reference



BLE_Ant1_2402_30~1000



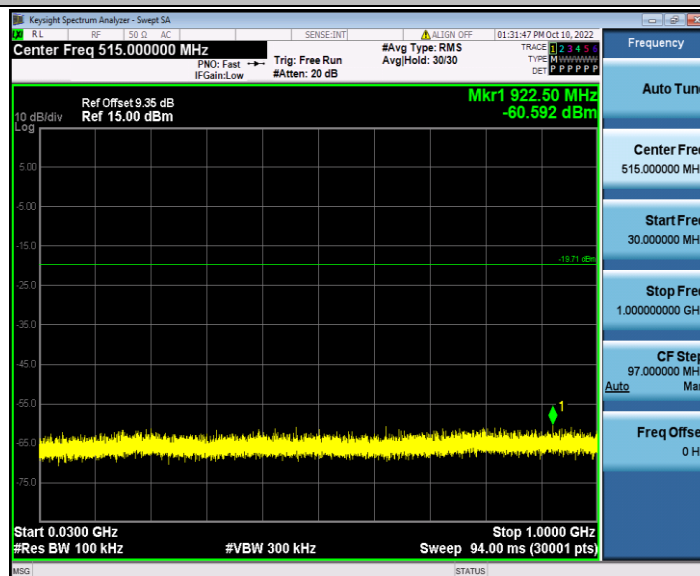
BLE_Ant1_2402_1000~26500



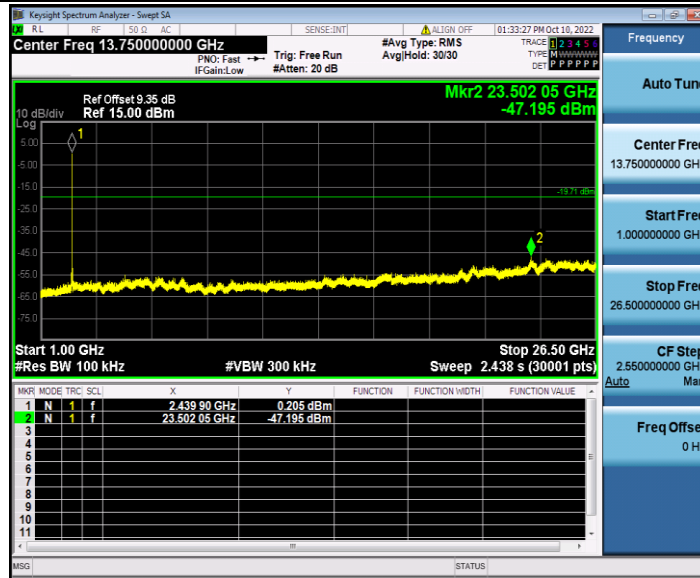
BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000



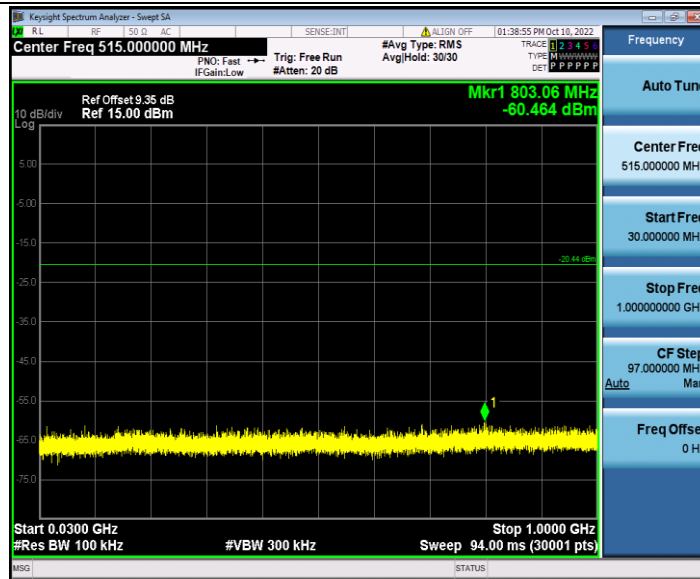
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

