

Case No. : <u>GTS20220525010</u>	
Ambient Condition: <u>22</u> °C, <u>46</u> %RH,	
Test Date: <u>2022/6/9</u>	Test Engineer: <u>Kelvin</u>

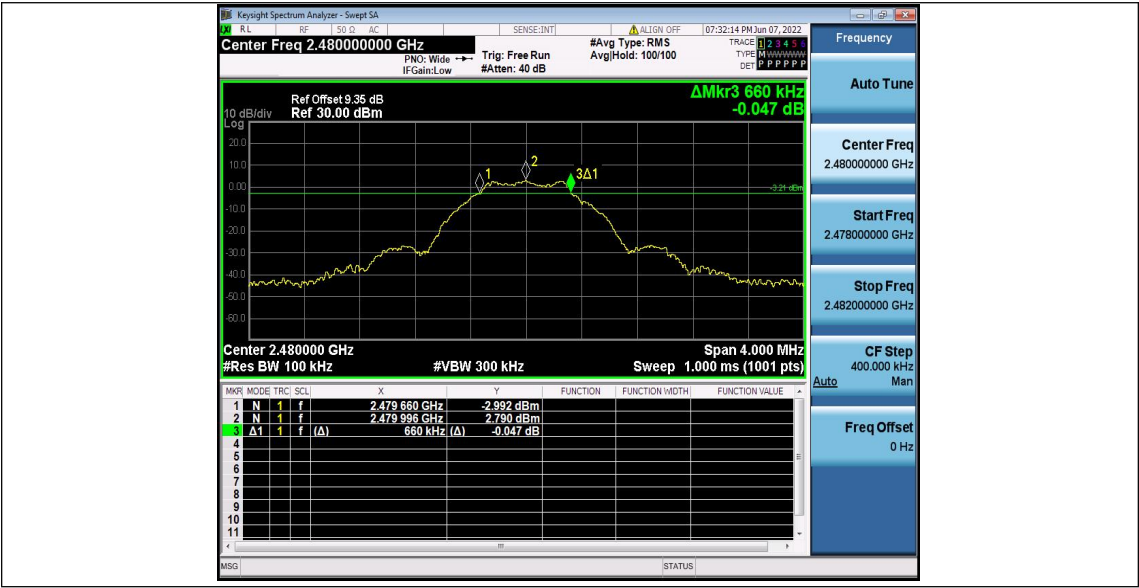
Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	0.684	2401.660	2402.344	0.5	PASS
		2440	0.668	2439.656	2440.324	0.5	PASS
		2480	0.660	2479.660	2480.320	0.5	PASS

Test Graphs





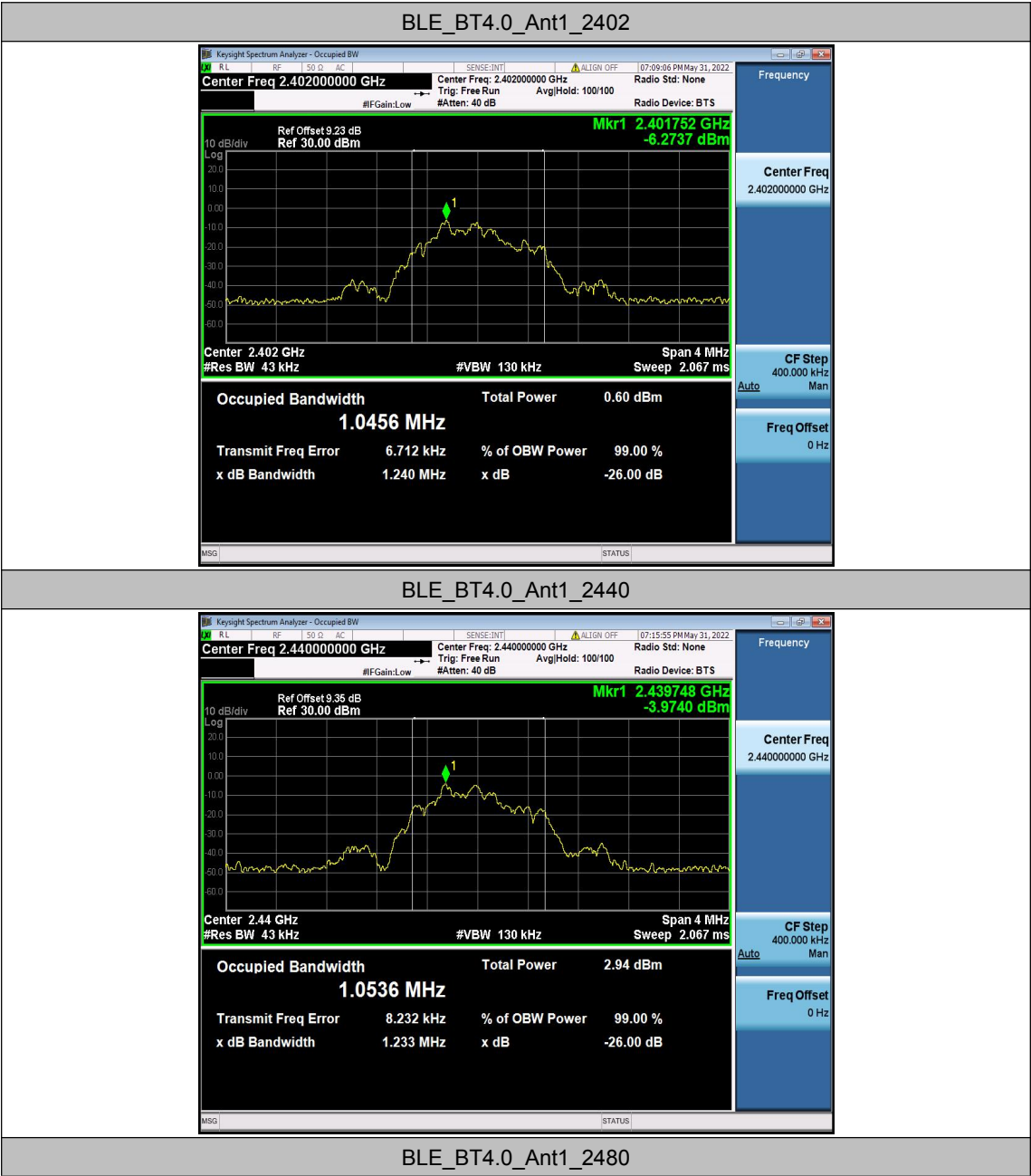
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.479 660 GHz	-2.992 dBm			
2	N	1	f	2.479 896 GHz	-2.790 dBm			
3	Δ1	1	f (Δ)	660 kHz (Δ)	-0.047 dB			
4								
5								
6								
7								
8								
9								
10								
11								

Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_BT4.0	Ant1	2402	1.0456	2401.484	2402.530	---	---
		2440	1.0536	2439.481	2440.535	---	---
		2480	1.0375	2479.495	2480.533	---	---

Test Graphs





Appendix B.3: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_BT4.0	Ant1	2402	-23.21	≤8.00	PASS
		2440	-21.08	≤8.00	PASS
		2480	-20.96	≤8.00	PASS

Test Graphs

BLE_BT4.0_Ant1_2402



BLE_BT4.0_Ant1_2440



BLE_BT4.0_Ant1_2480



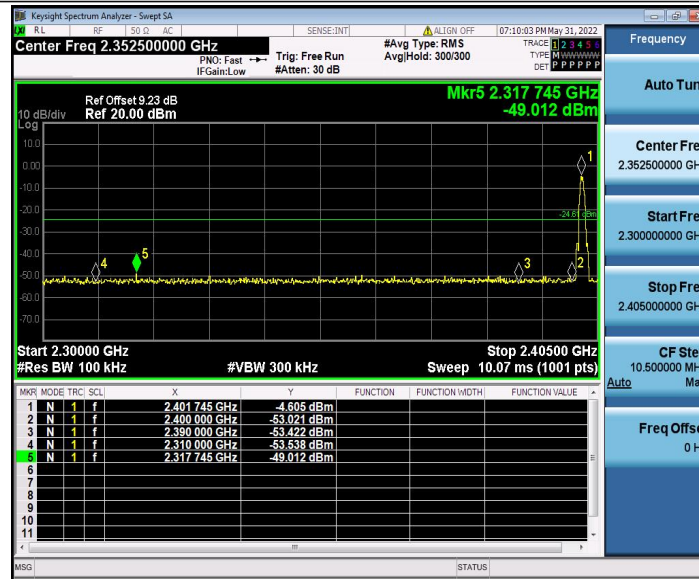
Appendix B.4: Band edge measurements

Test Result

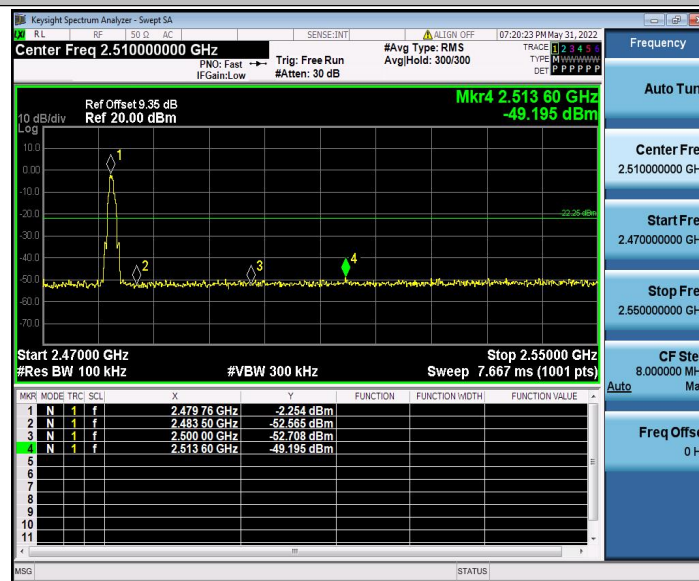
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	Low	2402	-4.61	-49.01	≤-24.61	PASS
		High	2480	-2.25	-49.2	≤-22.25	PASS

Test Graphs

BLE_BT4.0_Ant1_Low_2402



BLE_BT4.0_Ant1_High_2480



Appendix B.5: Conducted Spurious Emission

Test Result

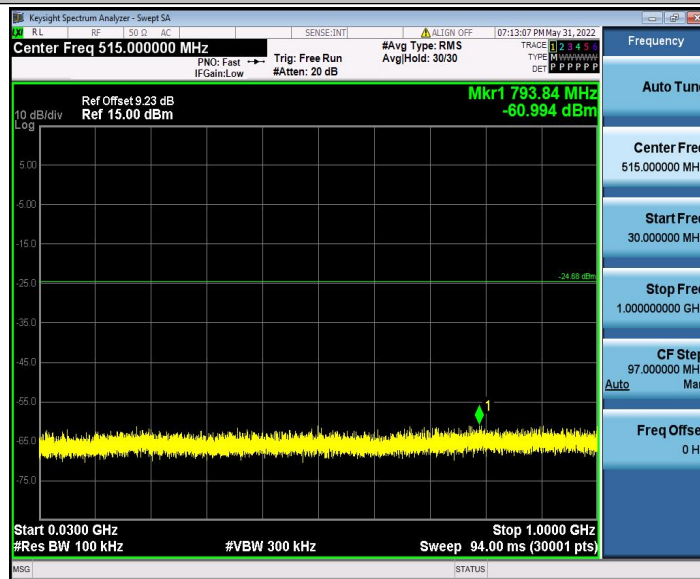
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_BT4.0	Ant1	2402	Reference	-4.68	-4.68	---	PASS
			30~1000	-4.68	-60.99	≤-24.68	PASS
			1000~26500	-4.68	-47.1	≤-24.68	PASS
		2440	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-59.99	≤-22.42	PASS
			1000~26500	-2.42	-47.77	≤-22.42	PASS
		2480	Reference	-3.68	-3.68	---	PASS
			30~1000	-3.68	-60.74	≤-23.68	PASS
			1000~26500	-3.68	-47.32	≤-23.68	PASS

Test Graphs

BLE_BT4.0_Ant1_2402_0~Reference

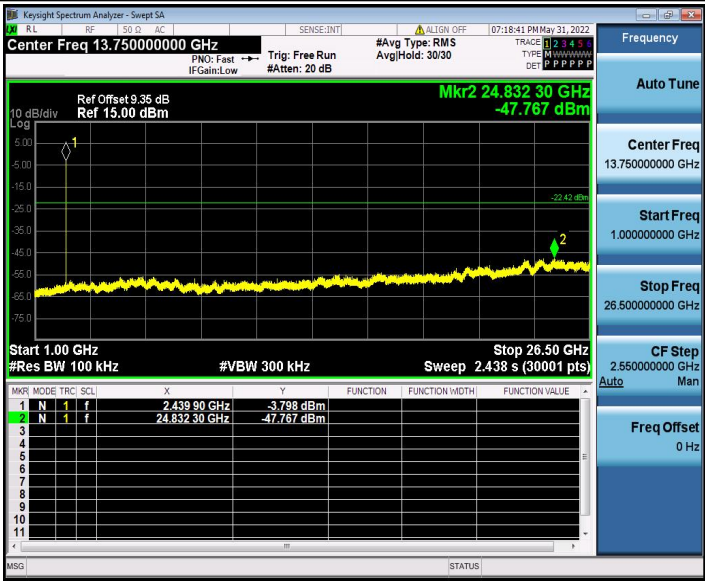


BLE_BT4.0_Ant1_2402_30~1000



BLE_BT4.0_Ant1_2402_1000~26500

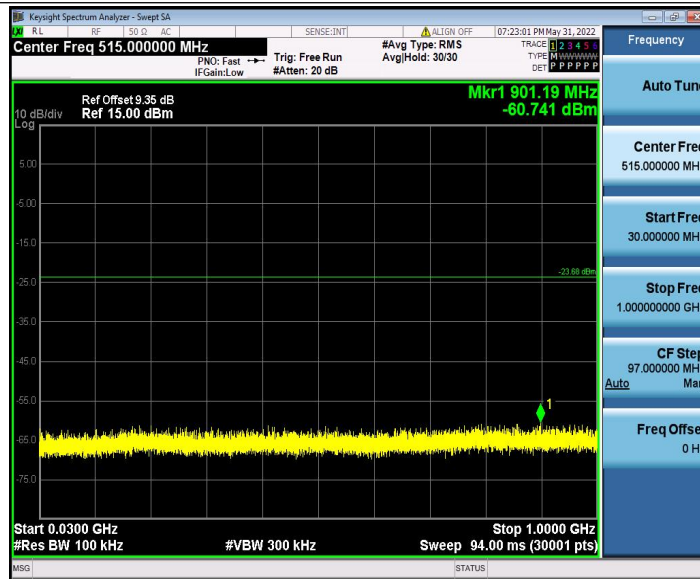
BLE_BT4.0_Ant1_2440_1000~26500



BLE_BT4.0_Ant1_2480_0~Reference



BLE_BT4.0_Ant1_2480_30~1000



BLE_BT4.0_Ant1_2480_1000~26500

