

Case No. : <u>GTS20260701017-1-07</u>
Ambient Condition: <u>23</u> °C, <u>45</u> %RH
According Standard: ■Part15C
Test Date: <u>2026.7.13-2026.7.21</u> Test Engineer: <u>Evan ouyang</u>

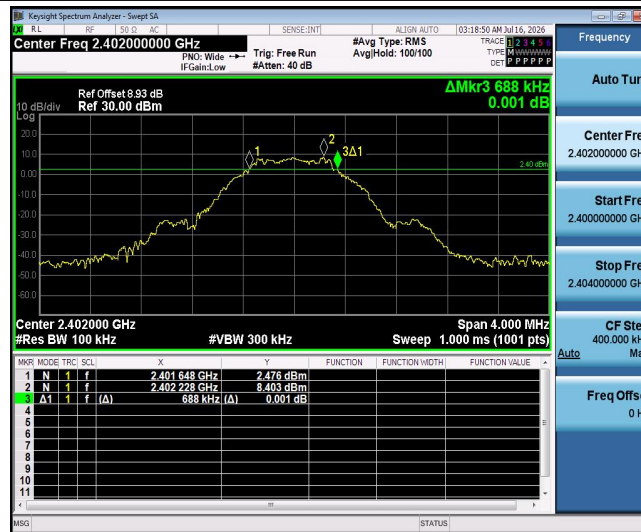
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.688	2401.648	2402.336	0.5	PASS
		2440	0.696	2439.640	2440.336	0.5	PASS
		2480	0.708	2479.628	2480.336	0.5	PASS

Test Graphs

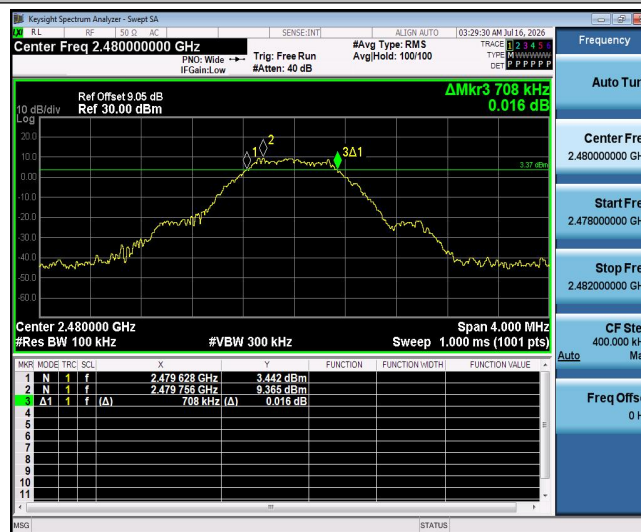
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



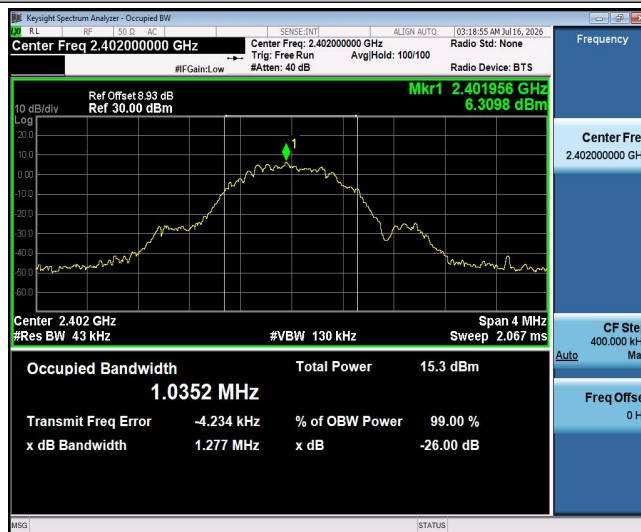
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0352	2401.4782	2402.5134	---	---
		2440	1.0398	2439.4777	2440.5175	---	---
		2480	1.0301	2479.4790	2480.5091	---	---

Test Graphs

BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	11.35	≤30	PASS
		2440	11.86	≤30	PASS
		2480	11.45	≤30	PASS

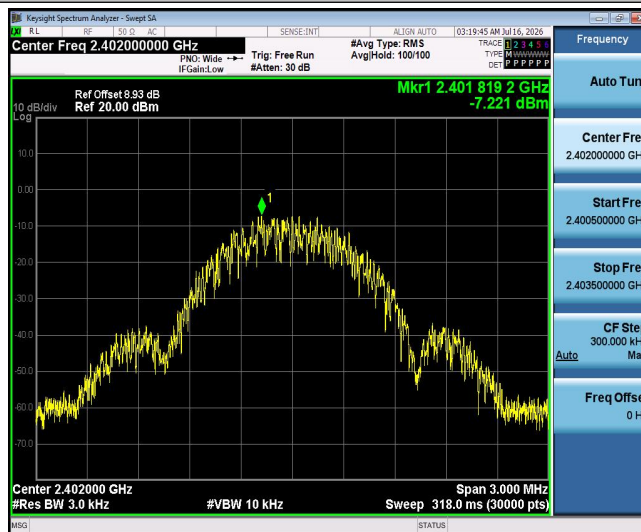
Appendix A.4: Maximum power spectral density

Test Result

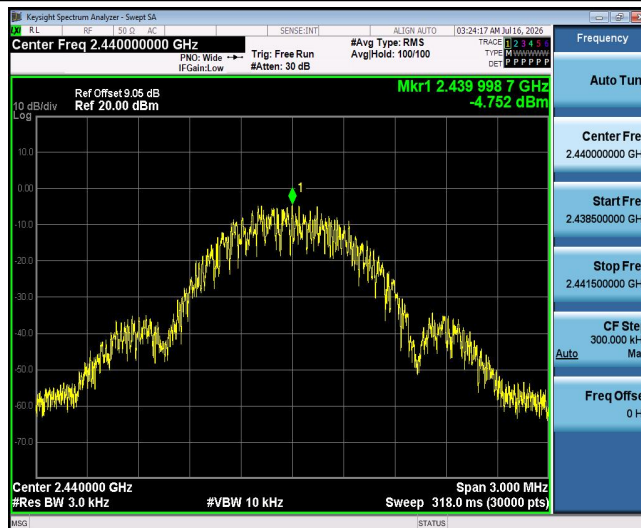
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-7.22	≤8.00	PASS
		2440	-4.75	≤8.00	PASS
		2480	-6.02	≤8.00	PASS

Test Graphs

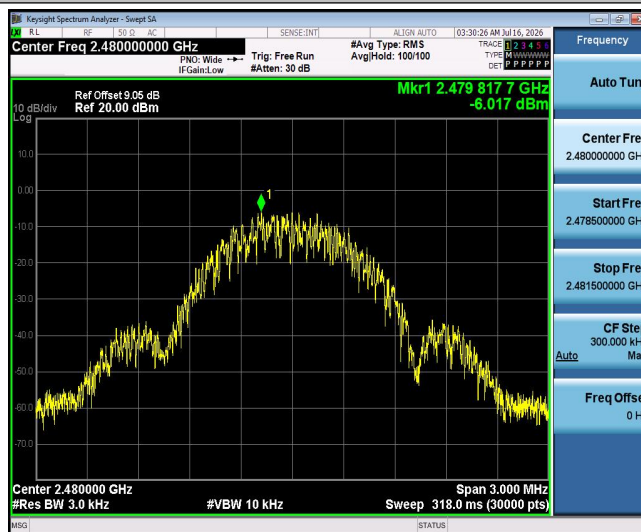
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480

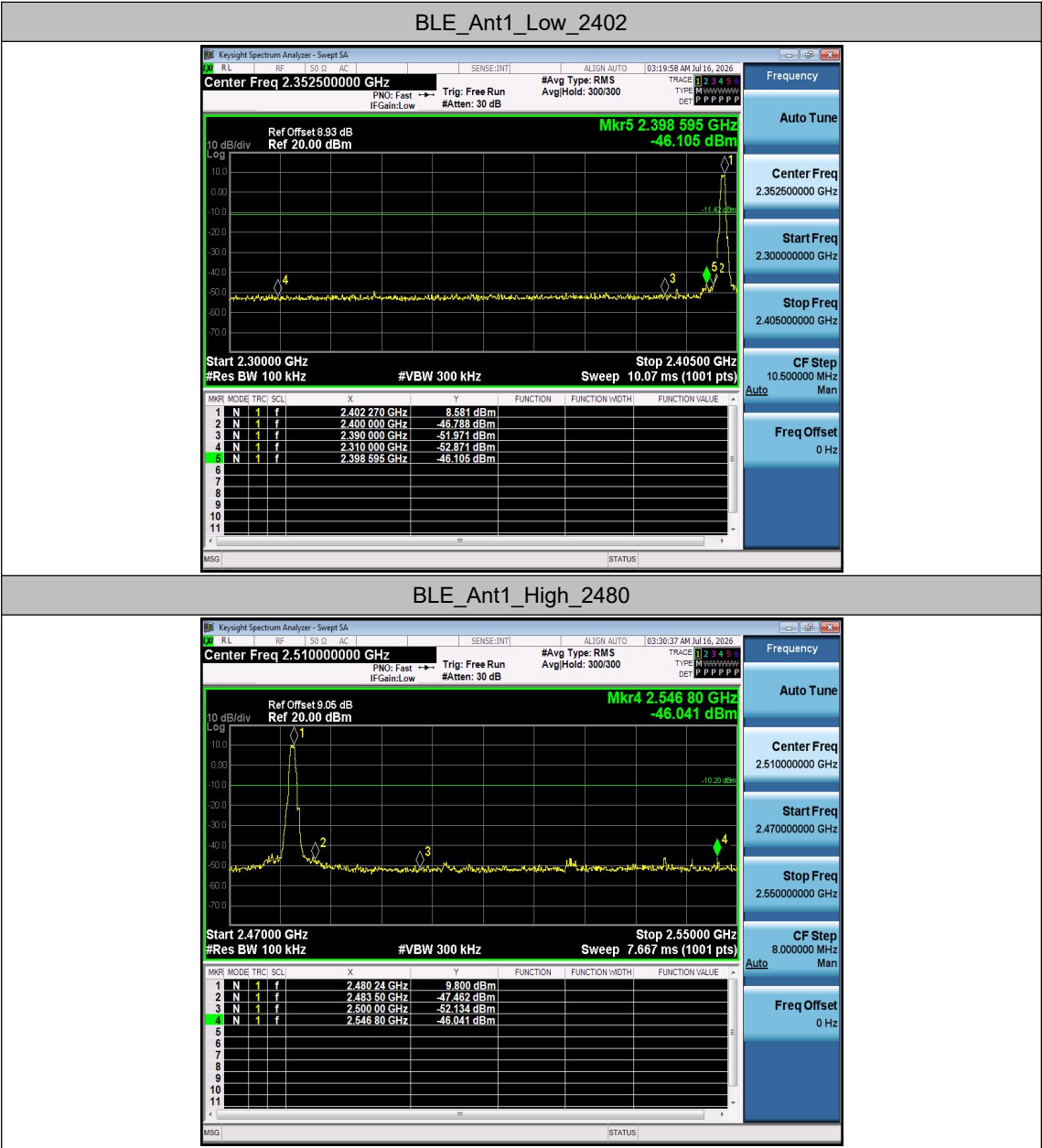


Appendix A.5:Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	8.58	-46.11	≤-11.42	PASS
		High	2480	9.80	-46.04	≤-10.2	PASS

Test Graphs



Appendix A.6:Conducted Spurious Emission

Test Result

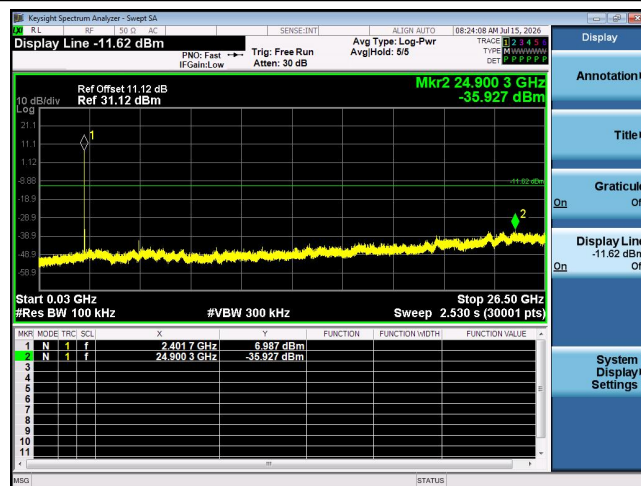
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	8.38	8.38	---	PASS
			30~26500	8.38	-35.93	≤-11.62	PASS
		2440	Reference	10.90	10.90	---	PASS
			30~26500	10.90	-36.41	≤-9.1	PASS
		2480	Reference	9.56	9.56	---	PASS
			30~26500	9.56	-35.73	≤-10.44	PASS

Test Graphs

BLE_Ant1_2402_0~Reference



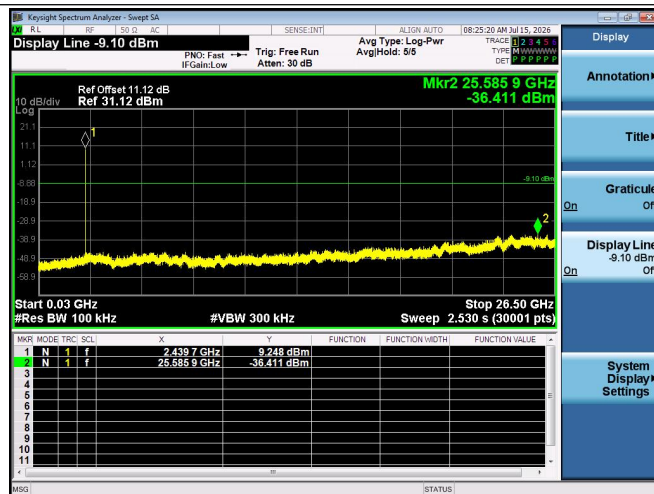
BLE_Ant1_2402_30~26500



BLE_Ant1_2440_0~Reference



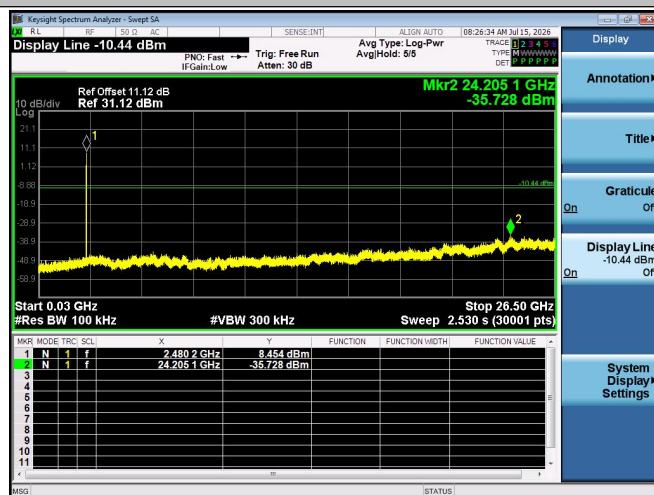
BLE_Ant1_2440_30~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~26500



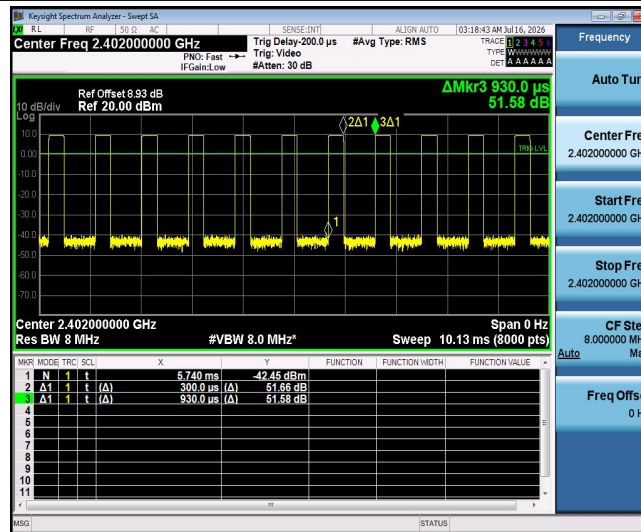
Appendix A.7: Duty Cycle

Test Result

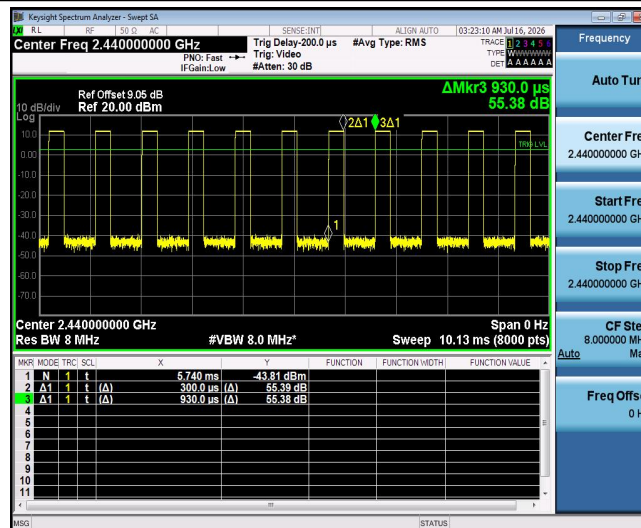
TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
BLE	Ant1	2402	0.30	0.93	0.3226	32.26	4.91	3.33
		2440	0.30	0.93	0.3226	32.26	4.91	3.33
		2480	0.30	0.93	0.3226	32.26	4.91	3.33

Test Graphs

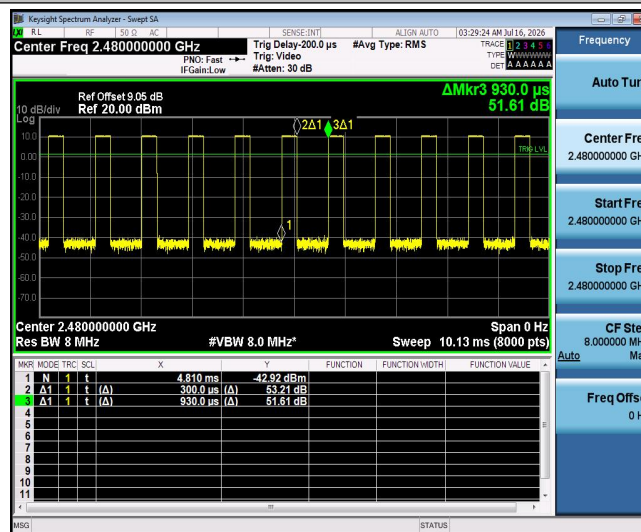
BLE_Ant1_2402



BLE_Ant1_2440



BLE_Ant1_2480



Appendix A.8:Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE	Ant1	Low	2402	AV	2310.000	-47.79	≤-41.20	47.41	≤54	PASS
				AV	2378.120	-45.98	≤-41.20	49.22	≤54	PASS
				AV	2390.000	-47.28	≤-41.20	47.92	≤54	PASS
				Peak	2310.000	-40	≤-21.20	55.20	≤74	PASS
				Peak	2337.905	-38.88	≤-21.20	56.32	≤74	PASS
				Peak	2390.000	-39.65	≤-21.20	55.55	≤74	PASS
		High	2480	AV	2483.500	-43.91	≤-41.20	51.29	≤54	PASS
				AV	2483.600	-43.76	≤-41.20	51.44	≤54	PASS
				AV	2500.000	-46.79	≤-41.20	48.41	≤54	PASS
				Peak	2483.500	-38.45	≤-21.20	56.75	≤74	PASS
				Peak	2487.360	-36.26	≤-21.20	58.94	≤74	PASS
				Peak	2500.000	-41.21	≤-21.20	53.99	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

