

Case No. : <u>GTS20221107025-1-2</u>	
Ambient Condition: <u>26</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022.11.24</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
GFSK	Ant1	2402	0.752	2401.600	2402.352	0.5	PASS
		2440	0.712	2439.624	2440.336	0.5	PASS
		2480	0.948	2479.548	2480.496	0.5	PASS

Test Graphs

GFSK_Ant1_2402



GFSK_Ant1_2440



GFSK_Ant1_2480



Appendix A.2: Occupied Channel Bandwidth

Test Result

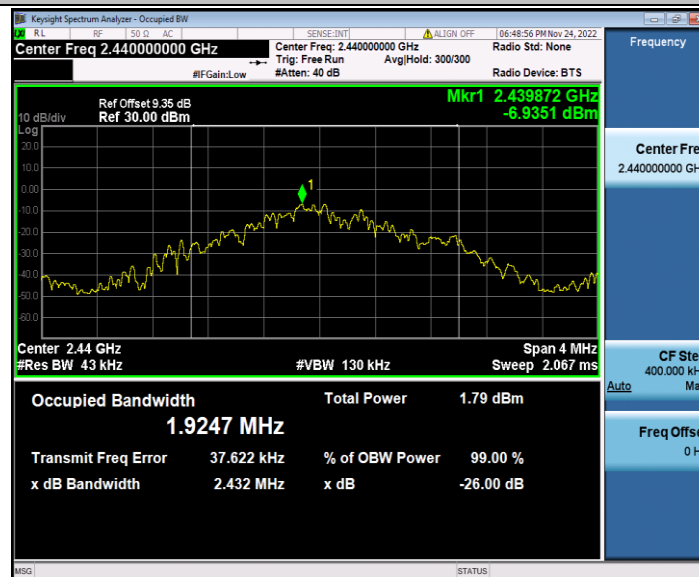
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2402	1.9002	2401.029	2402.929	---	---
		2440	1.9247	2439.075	2441.000	---	---
		2480	2.0121	2478.984	2480.996	---	---

Test Graphs

GFSK_Ant1_2402



GFSK_Ant1_2440



GFSK_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
GFSK	Ant1	2402	-4.00	≤30	PASS
		2440	-1.77	≤30	PASS
		2480	-1.25	≤30	PASS

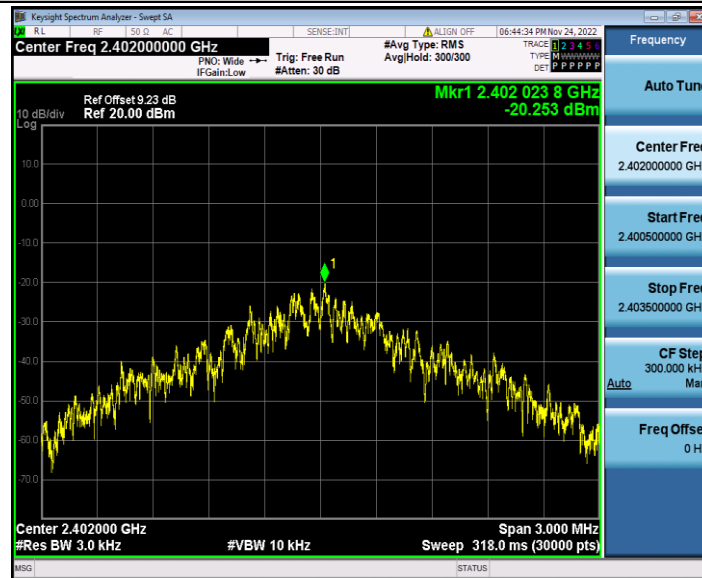
Appendix A.4: Maximum power spectral density

Test Result

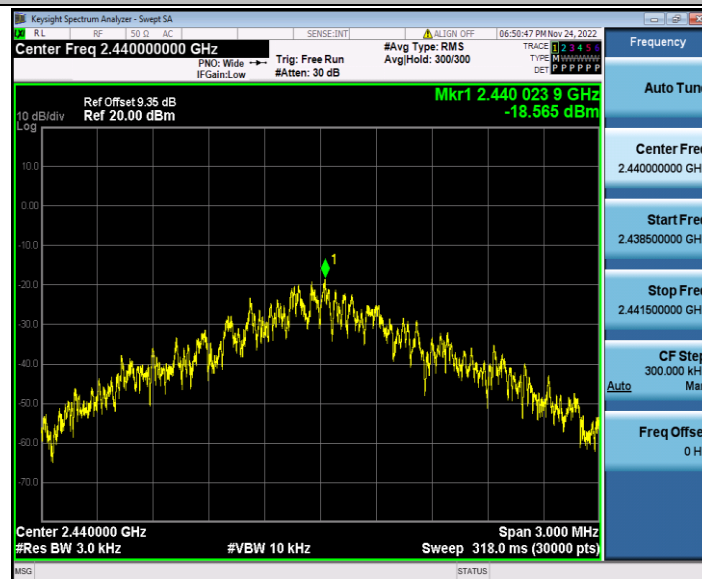
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
GFSK	Ant1	2402	-20.25	≤8.00	PASS
		2440	-18.57	≤8.00	PASS
		2480	-18.99	≤8.00	PASS

Test Graphs

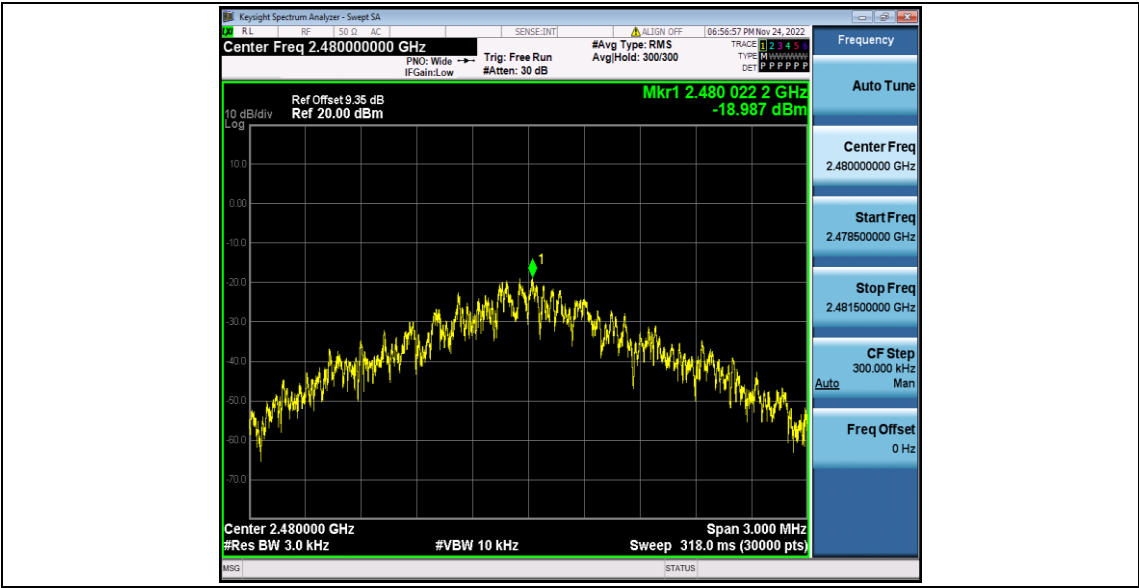
GFSK_Ant1_2402



GFSK_Ant1_2440



GFSK_Ant1_2480



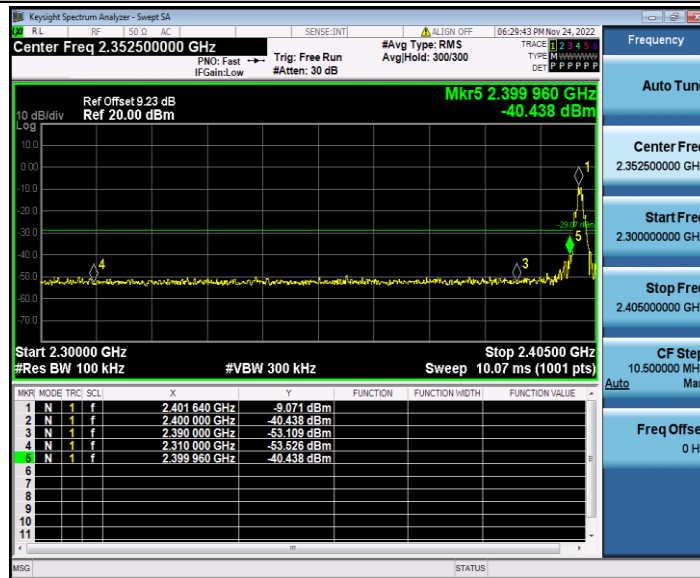
Appendix A.5: Band edge measurements

Test Result

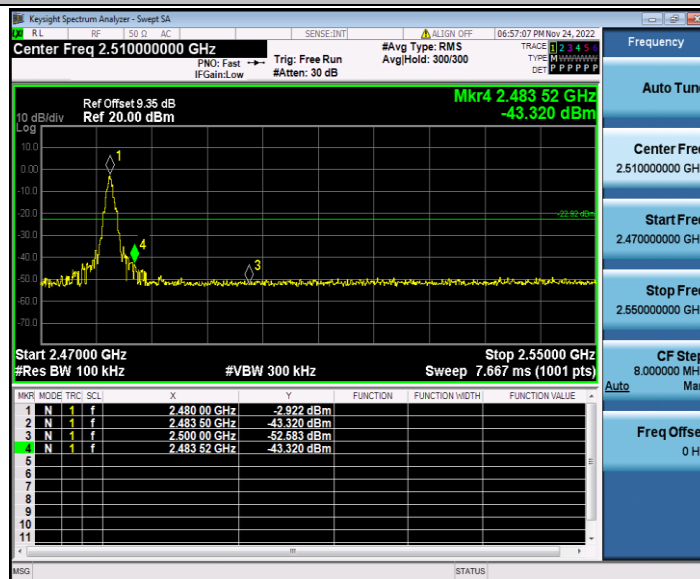
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	Low	2402	-9.07	-40.44	≤-29.07	PASS
		High	2480	-2.92	-43.32	≤-22.92	PASS

Test Graphs

GFSK_Ant1_Low_2402



GFSK_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

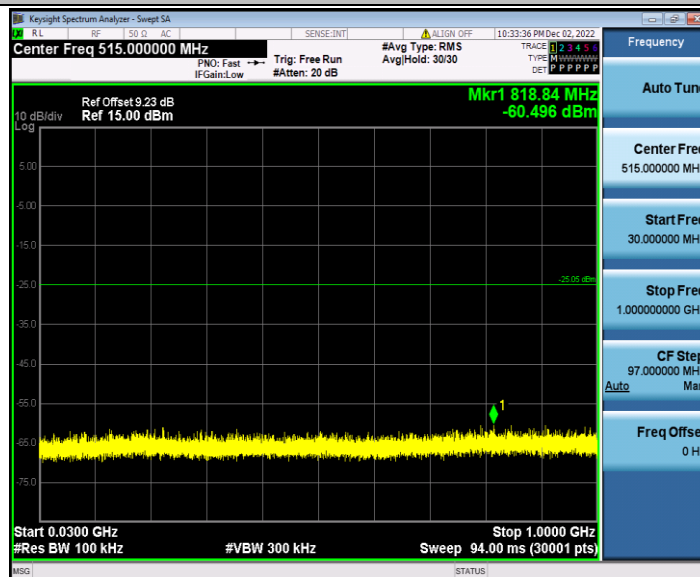
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	2402	Reference	-5.05	-5.05	---	PASS
			30~1000	-5.05	-60.5	≤-25.05	PASS
			1000~26500	-5.05	-37.34	≤-25.05	PASS
		2440	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-59.36	≤-22.92	PASS
			1000~26500	-2.92	-37.95	≤-22.92	PASS
		2480	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-59.5	≤-23.12	PASS
			1000~26500	-3.12	-36.97	≤-23.12	PASS

Test Graphs

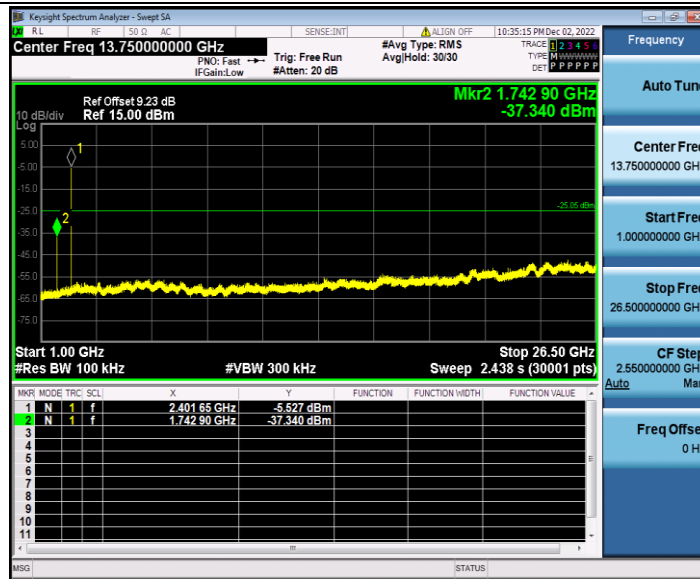
GFSK_Ant1_2402_0~Reference



GFSK_Ant1_2402_30~1000



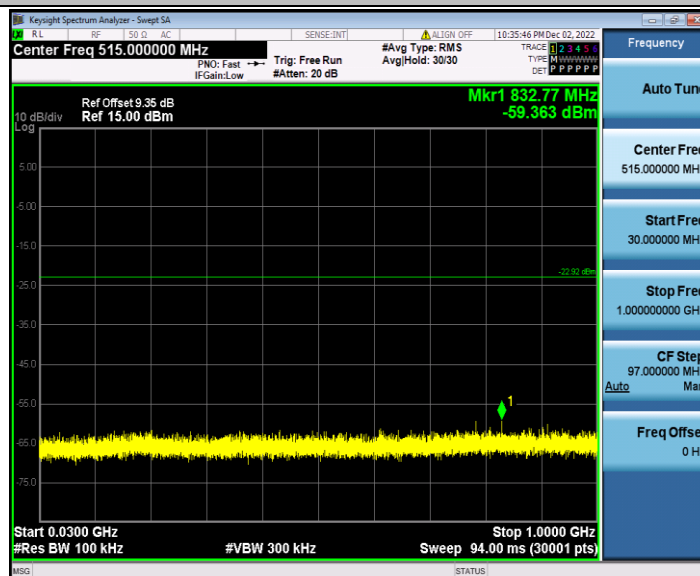
GFSK_Ant1_2402_1000~26500

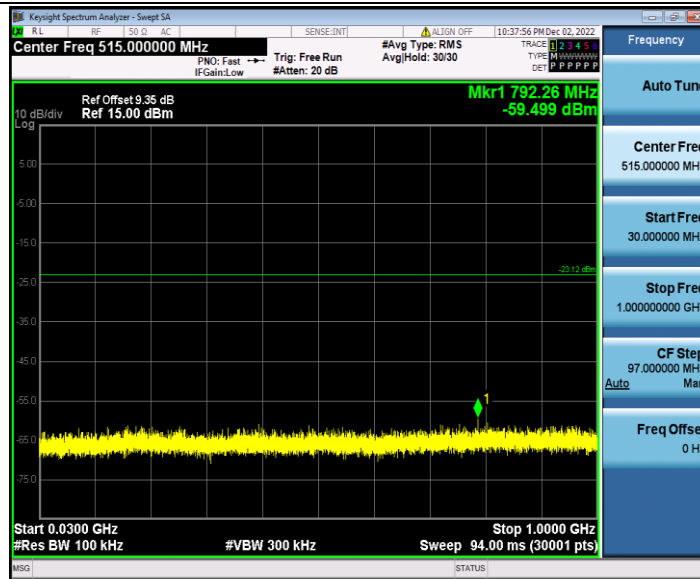


GFSK_Ant1_2440_0~Reference



GFSK_Ant1_2440_30~1000





GFSK_Ant1_2480_1000~26500

