

Case No. : <u>GTS20221107025-1-5</u>	
Ambient Condition: <u>24</u> °C, <u>46</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2022-11-24</u>	Test Engineer: <u>Jason Hu</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	0.632	2401.648	2402.280	0.5	PASS
		2440	0.708	2439.680	2440.388	0.5	PASS
		2480	0.696	2479.588	2480.284	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	1.9591	2401.009	2402.969	---	---
		2440	1.9820	2439.004	2440.986	---	---
		2480	1.8448	2479.036	2480.881	---	---

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	-3.99	≤30	PASS
		2440	-1.65	≤30	PASS
		2480	-1.25	≤30	PASS

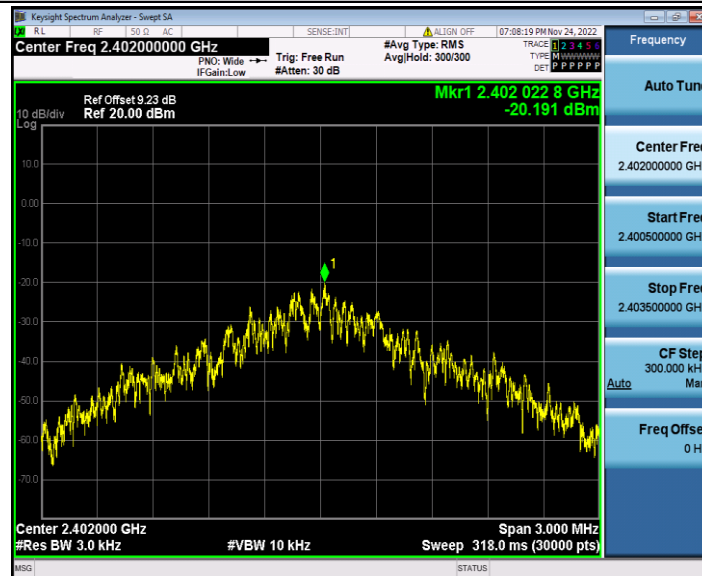
Appendix A.4: Maximum power spectral density

Test Result

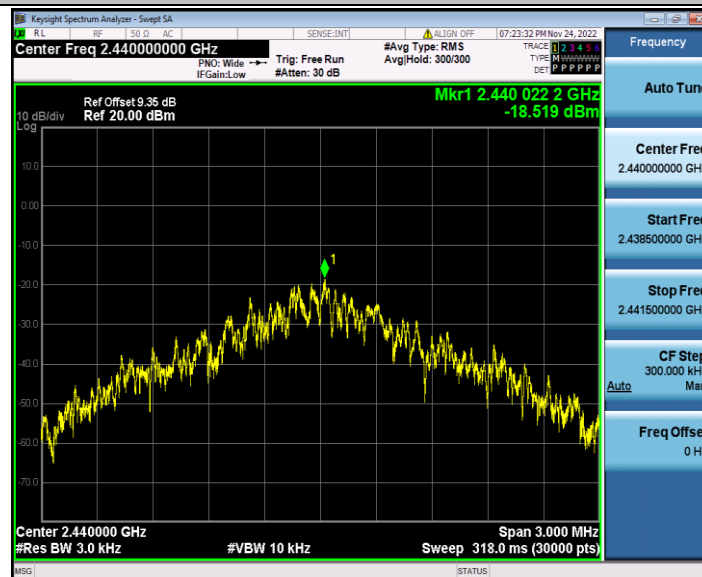
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
GFSK	Ant1	2402	-20.19	≤8.00	PASS
		2440	-18.52	≤8.00	PASS
		2480	-18.64	≤8.00	PASS

Test Graphs

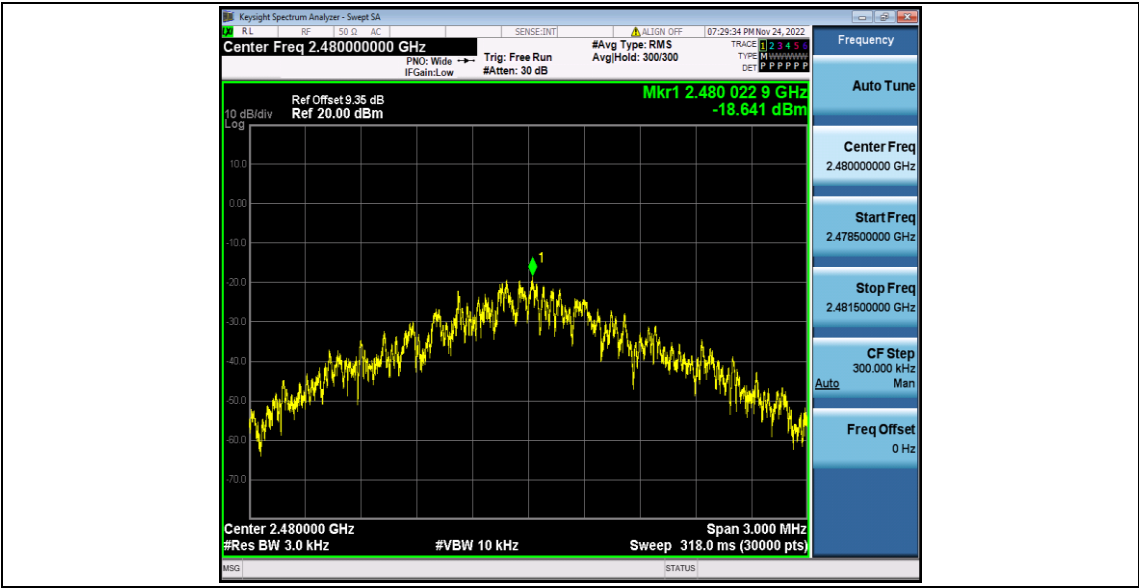
GFSK_Ant1_2402



GFSK_Ant1_2440



GFSK_Ant1_2480



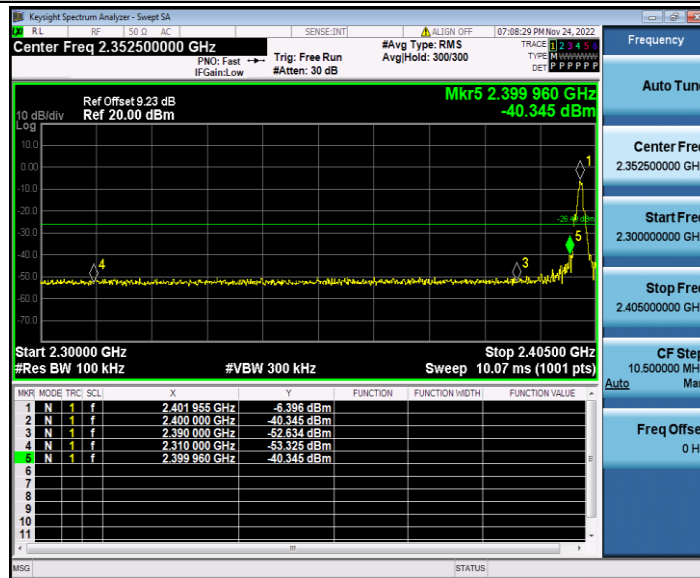
Appendix A.5: Band edge measurements

Test Result

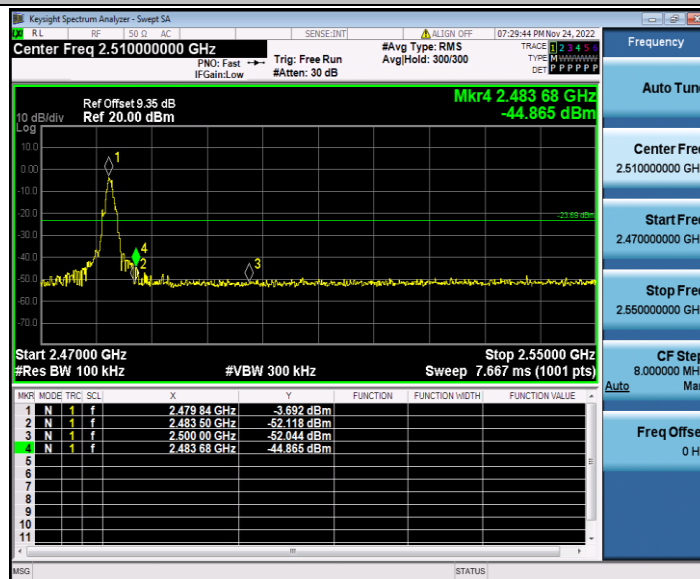
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	Low	2402	-6.40	-40.35	≤-26.4	PASS
		High	2480	-3.69	-44.87	≤-23.69	PASS

Test Graphs

GFSK_Ant1_Low_2402



GFSK_Ant1_High_2480



Appendix A.6: Conducted Spurious Emission

Test Result

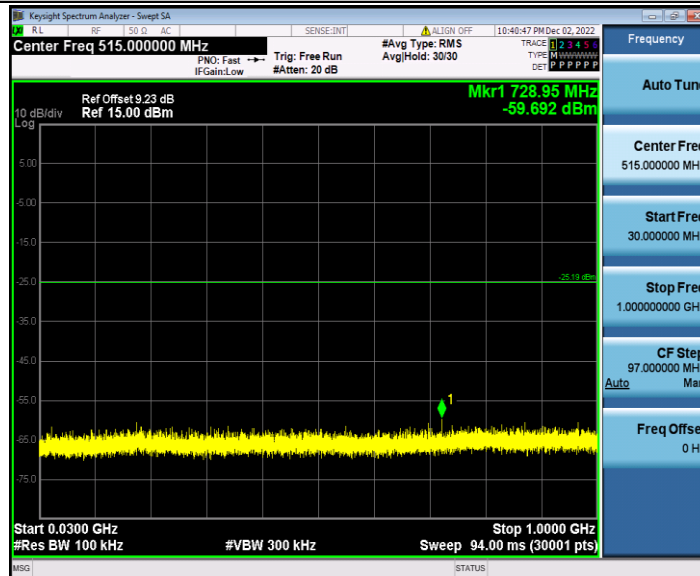
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	2402	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-59.69	$\leq$ -25.19	PASS
			1000~26500	-5.19	-47.52	$\leq$ -25.19	PASS
		2440	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-59.25	$\leq$ -22.87	PASS
			1000~26500	-2.87	-46.81	$\leq$ -22.87	PASS
		2480	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-59.92	$\leq$ -22.88	PASS
			1000~26500	-2.88	-47.59	$\leq$ -22.88	PASS

Test Graphs

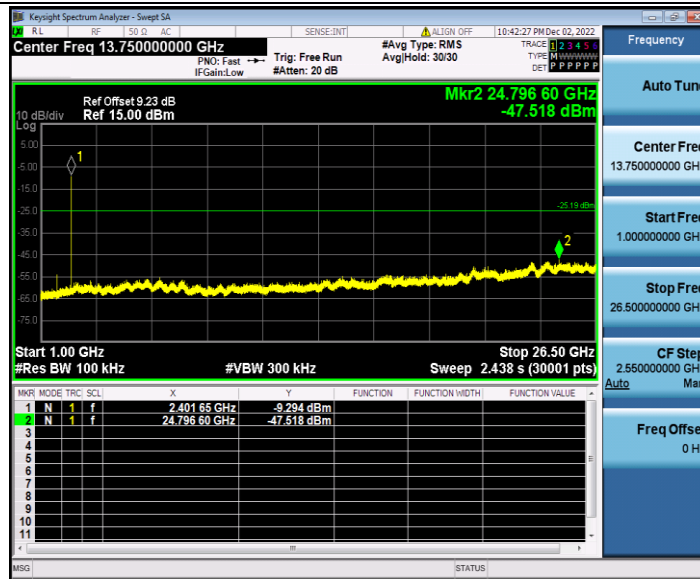
GFSK_Ant1_2402_0~Reference



GFSK_Ant1_2402_30~1000



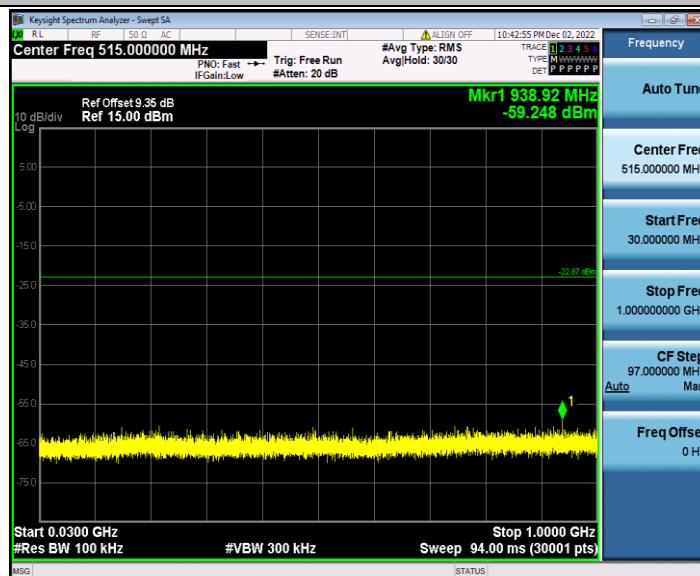
GFSK_Ant1_2402_1000~26500



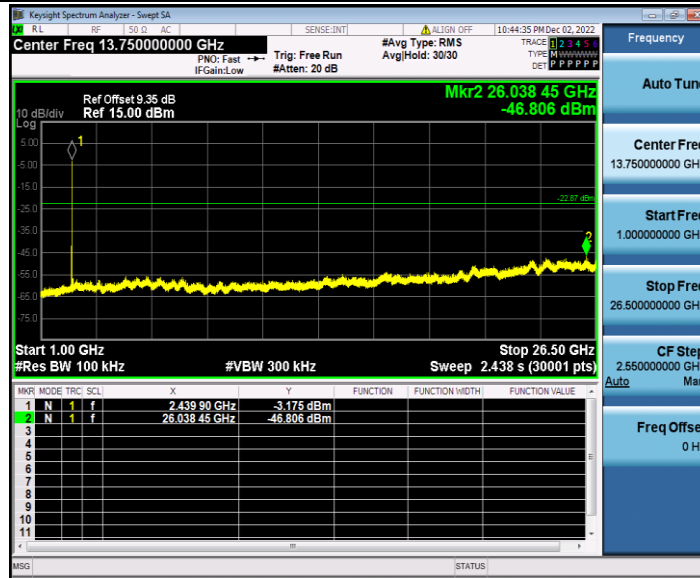
GFSK_Ant1_2440_0-Reference



GFSK_Ant1_2440_30-1000



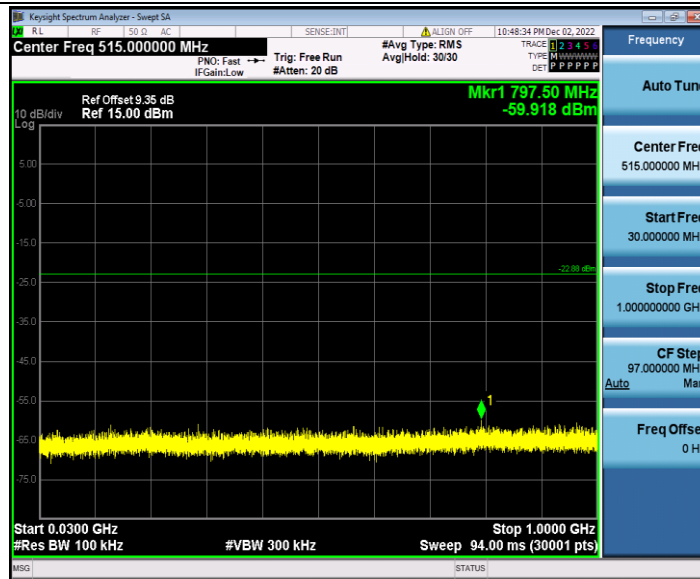
GFSK_Ant1_2440_1000~26500



GFSK_Ant1_2480_0~Reference



GFSK_Ant1_2480_30~1000



GFSK_Ant1_2480_1000~26500

