

Appendix: 2.4G

Contents

Appendix A: 20dB Emission Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	6
Test Result.....	6
Test Graphs.....	7
Appendix C: Maximum conducted output power.....	9
Test Result.....	9
Test Graphs.....	10
Appendix D: Carrier frequency separation.....	12
Test Result.....	12
Test Graphs.....	13
Appendix E: Time of occupancy.....	15
Test Result.....	15
Test Graphs.....	16
Appendix F: Number of hopping channels.....	17
Test Result.....	17
Test Graphs.....	18
Appendix G: Band edge measurements.....	19
Test Result.....	19
Test Graphs.....	20
Appendix H: Conducted Spurious Emission.....	22
Test Result.....	22
Test Graphs.....	23
Appendix I: Duty Cycle.....	28
Test Result.....	28
Test Graphs.....	29

Appendix A: 20dB Emission Bandwidth**Test Result**

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2410	4.180	2407.900	2412.080	---	PASS
		2441.5	4.190	2439.390	2443.580	---	PASS
		2477	4.190	2474.900	2479.090	---	PASS

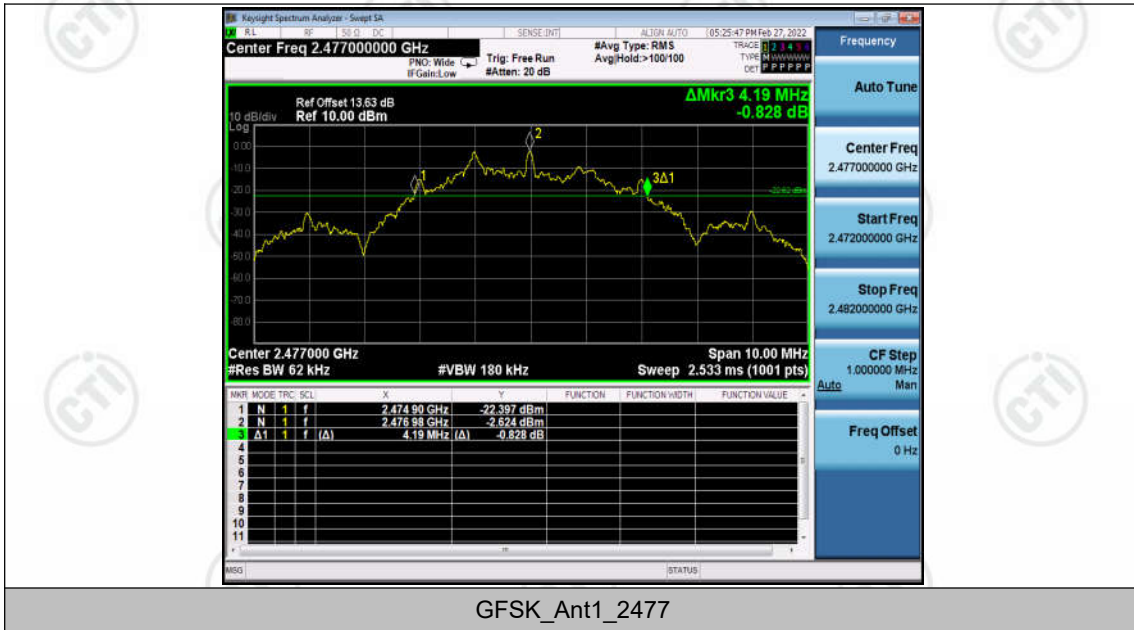
Test Graphs



GFSK_Ant1_2410



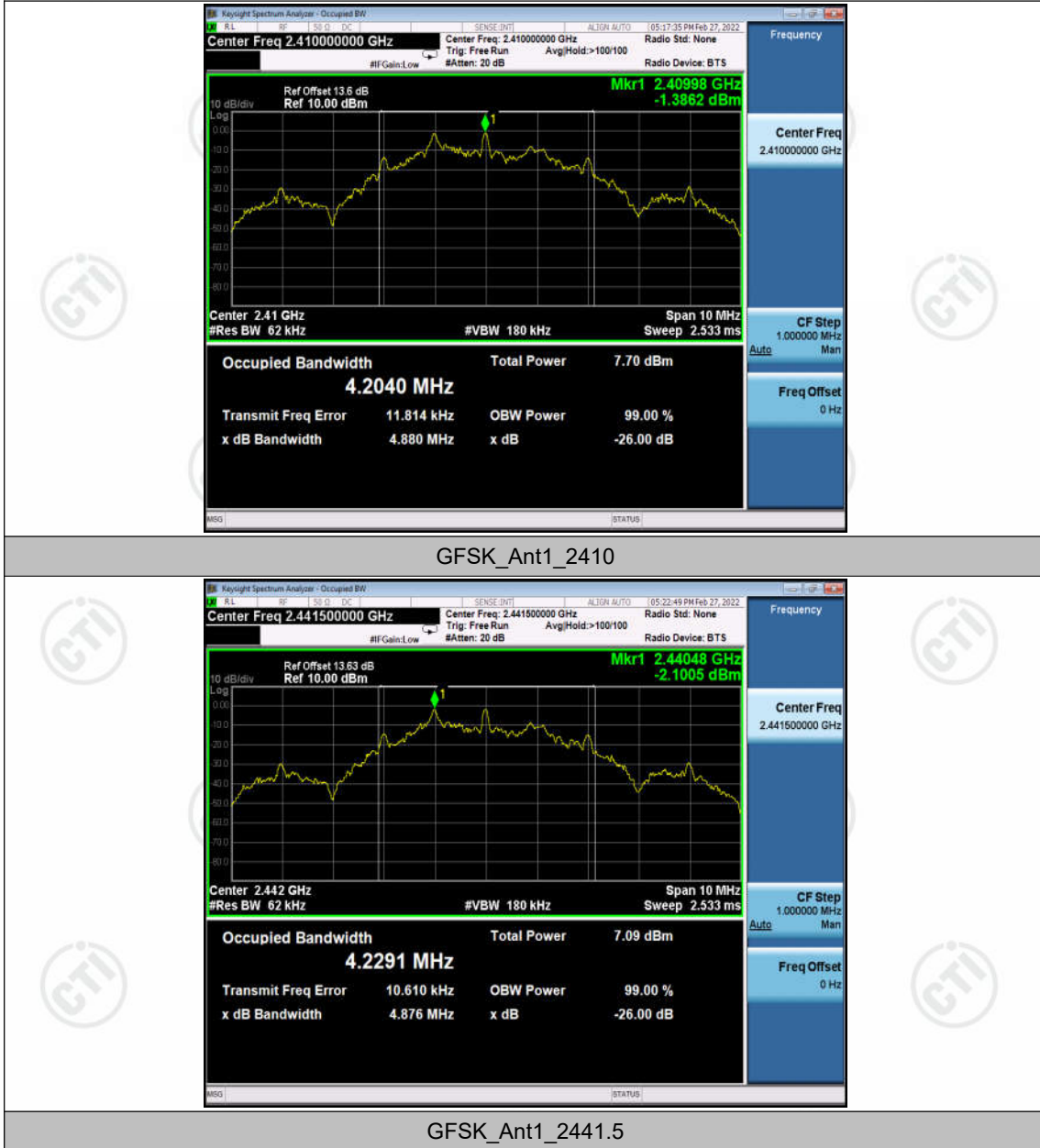
GFSK_Ant1_2441.5

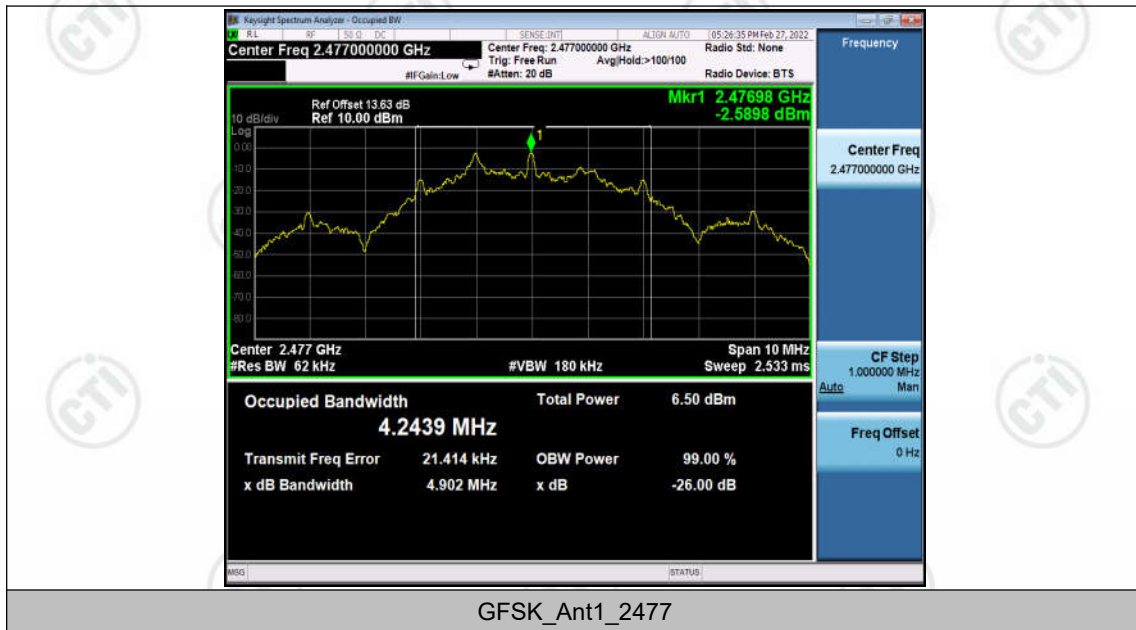


Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2410	4.2040	2407.909	2412.116	---	PASS
		2441.5	4.2291	2439.396	2443.621	---	PASS
		2477	4.2439	2474.899	2479.143	---	PASS

Test Graphs





Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	2410	-0.78	<=30	PASS
		2441.5	-1.5	<=30	PASS
		2477	-1.98	<=30	PASS

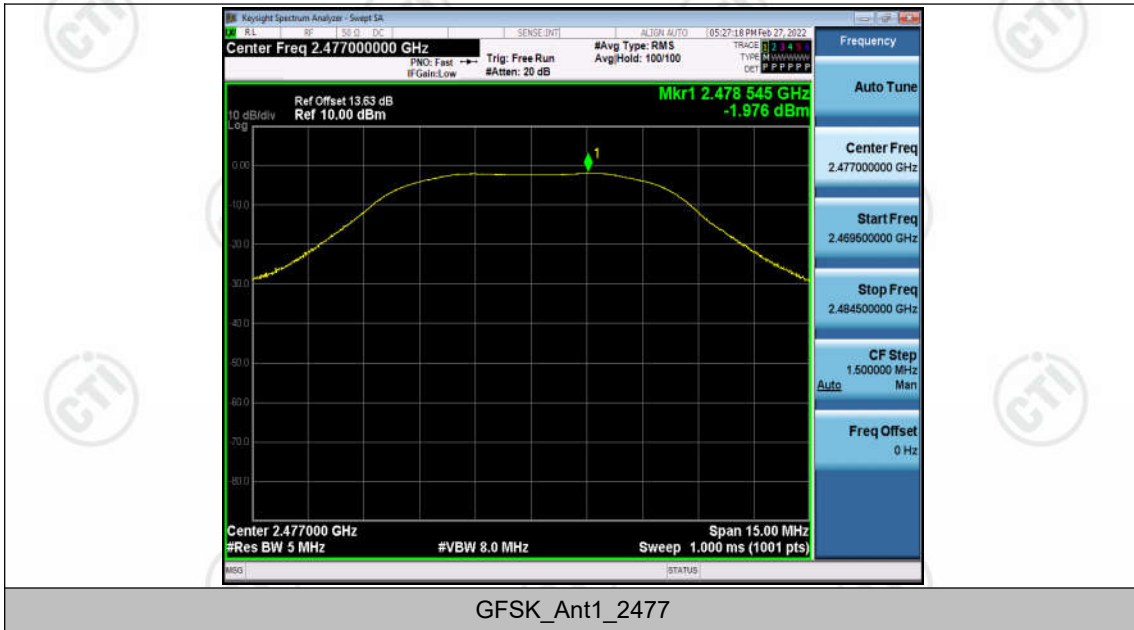
Test Graphs



GFSK_Ant1_2410



GFSK_Ant1_2441.5

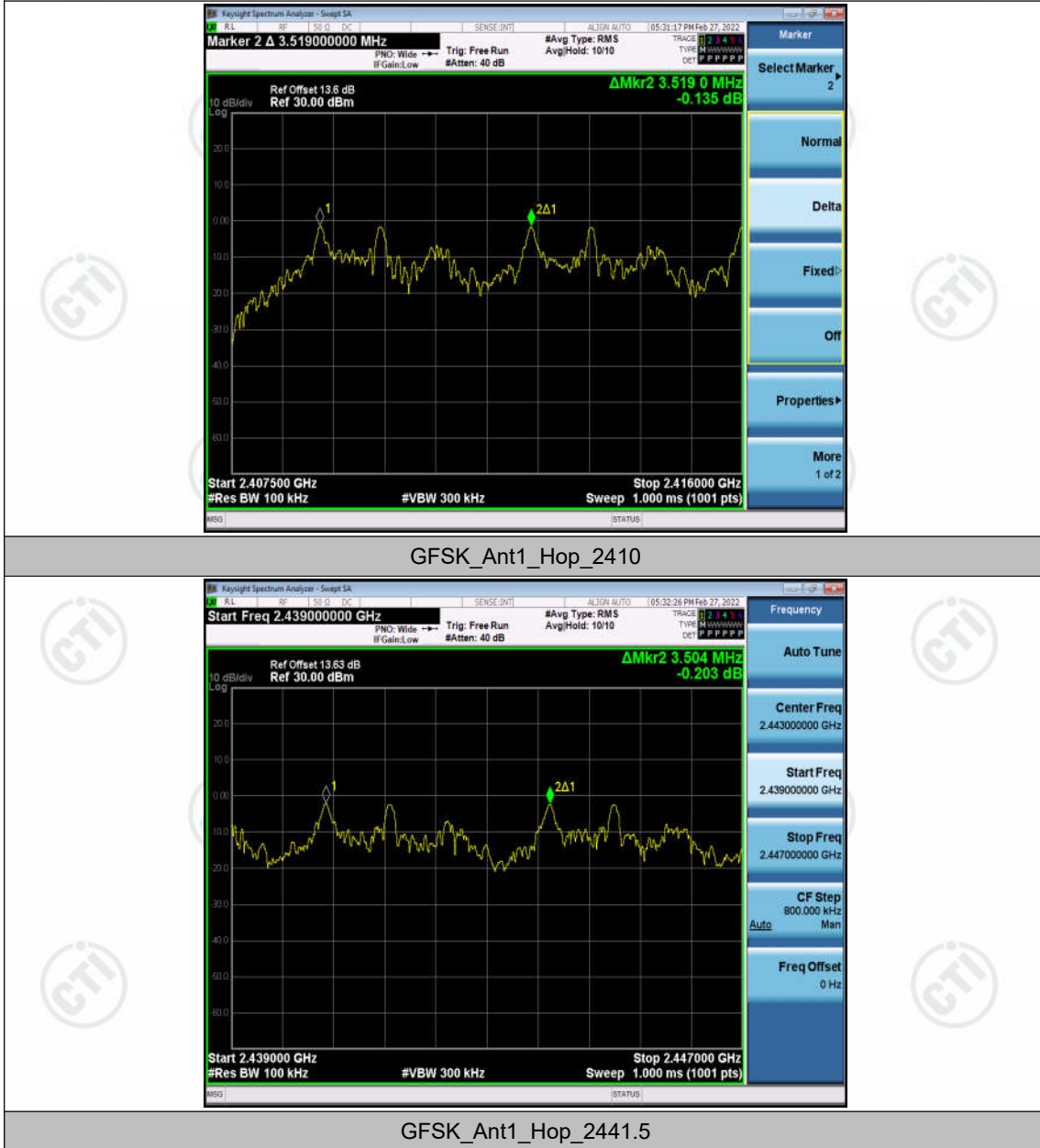


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	Hop_2410	3.519	≥ 0.025	PASS
		Hop_2441.5	3.504	≥ 0.025	PASS
		Hop_2477	4.014	≥ 0.025	PASS

Test Graphs



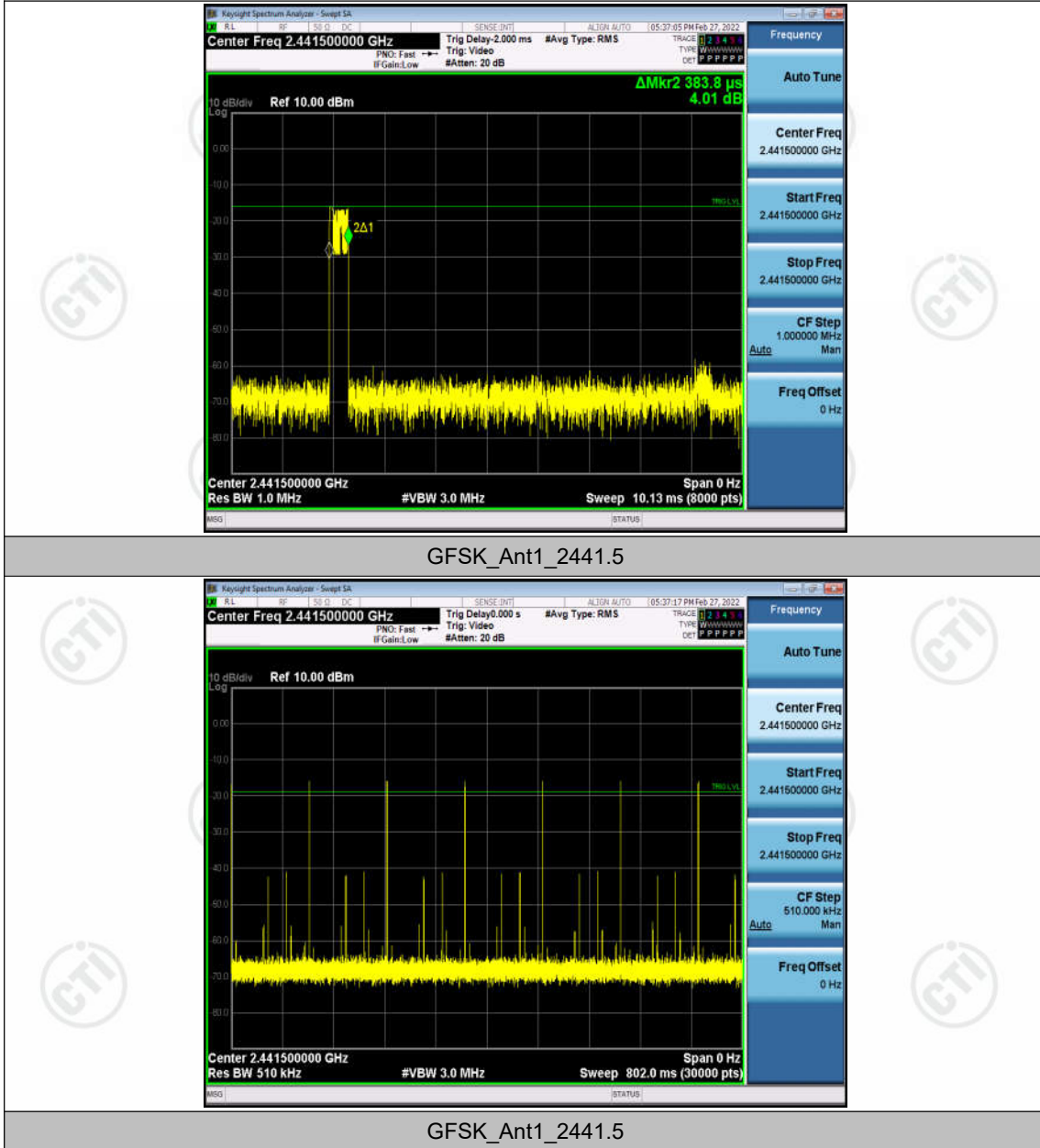


Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
GFSK	Ant1	2441.5	0.38	70	0.106	<=0.4	PASS

Test Graphs

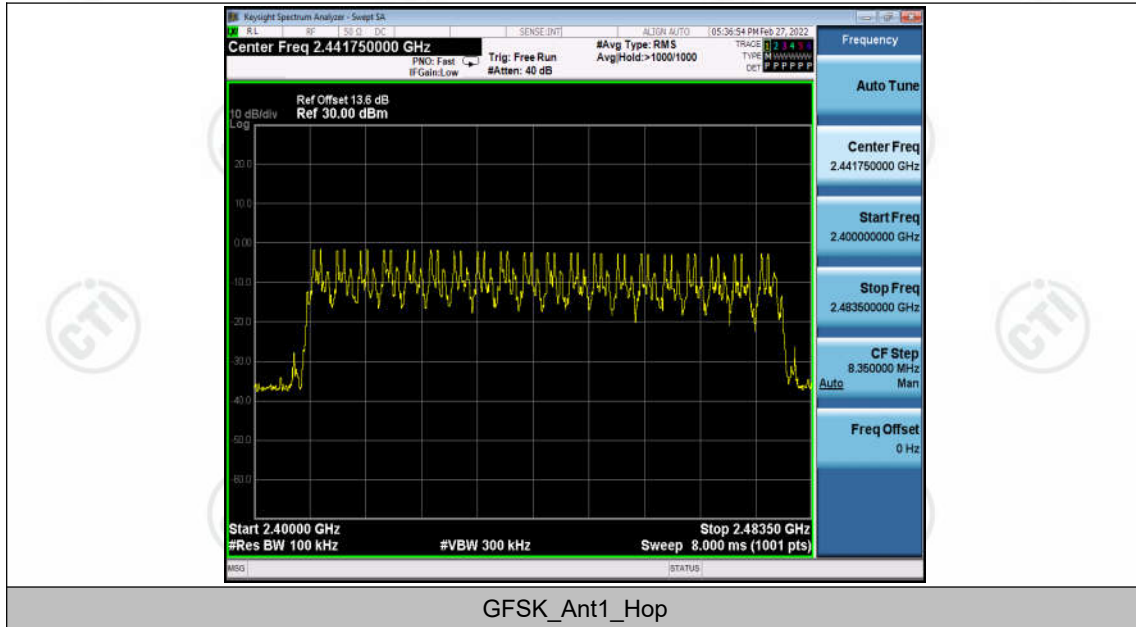


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
GFSK	Ant1	Hop	17	≥ 15	PASS

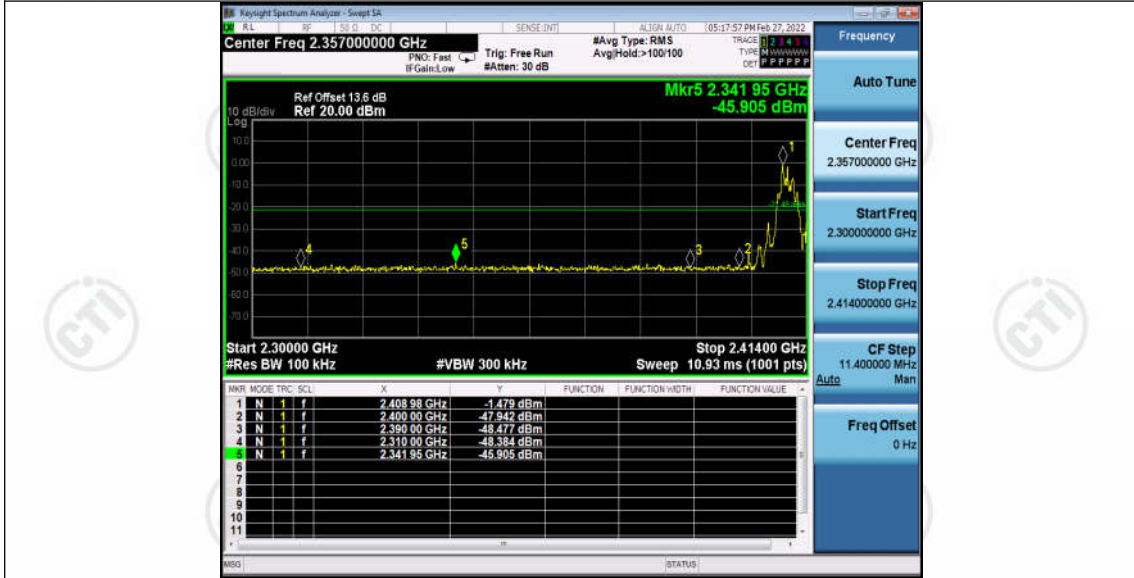
Test Graphs



Appendix G:Band edge measurements**Test Result**

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2410	-1.48	-45.91	<=-21.48	PASS
		High	2477	-2.60	-39.23	<=-22.6	PASS
		Low	Hop_2410	-1.84	-45.61	<=-21.84	PASS
		High	Hop_2477	-2.64	-44.88	<=-22.64	PASS

Test Graphs



DH5_Ant1_Low_2410



DH5_Ant1_High_2477



DH5_Ant1_Low_Hop_2410



DH5_Ant1_High_Hop_2477

Appendix H:Conducted Spurious Emission

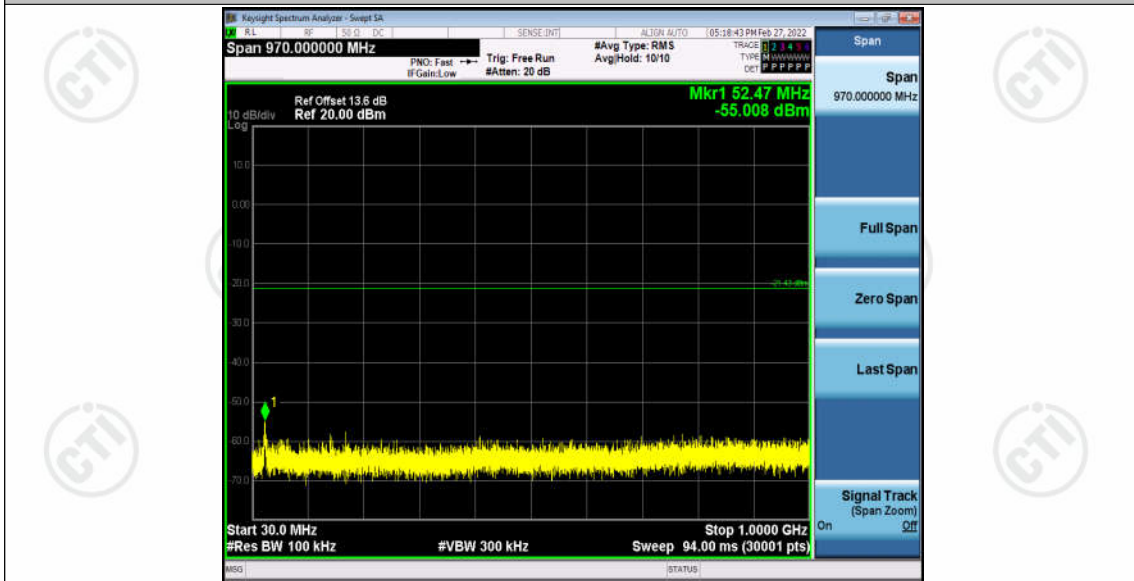
Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
GFSK	Ant1	2410	Reference	-1.43	-1.43	---	PASS
			30~1000	30~1000	-55.008	<=-21.43	PASS
			1000~26500	1000~26500	-38.433	<=-21.43	PASS
		2441.5	Reference	-2.08	-2.08	---	PASS
			30~1000	30~1000	-52.872	<=-22.077	PASS
			1000~26500	1000~26500	-49.886	<=-22.077	PASS
		2477	Reference	-2.60	-2.60	---	PASS
			30~1000	30~1000	-54.325	<=-22.597	PASS
			1000~26500	1000~26500	-49.277	<=-22.597	PASS

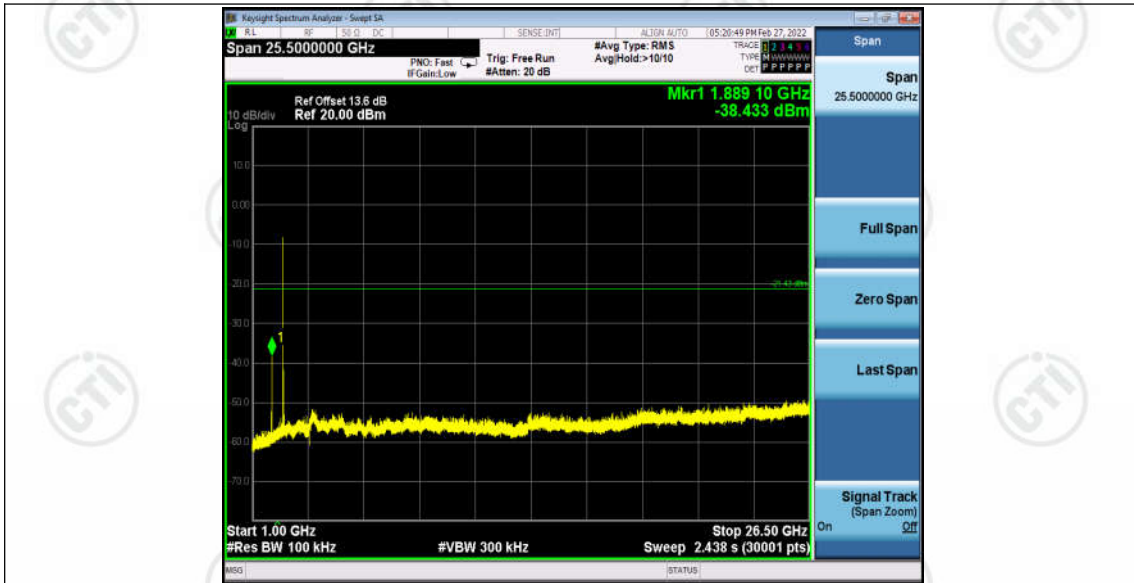
Test Graphs



GFSK_Ant1_2410_0~Reference



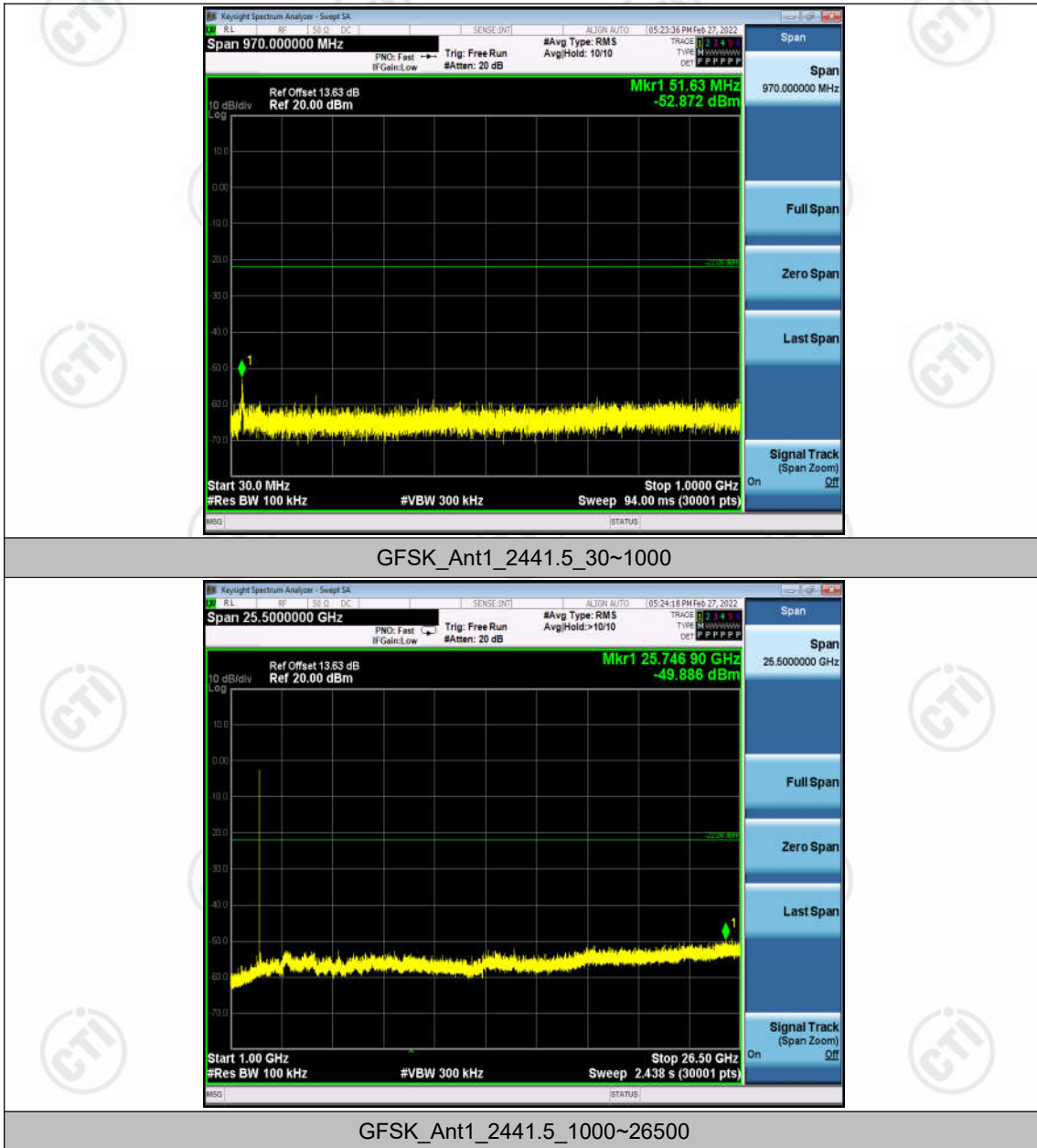
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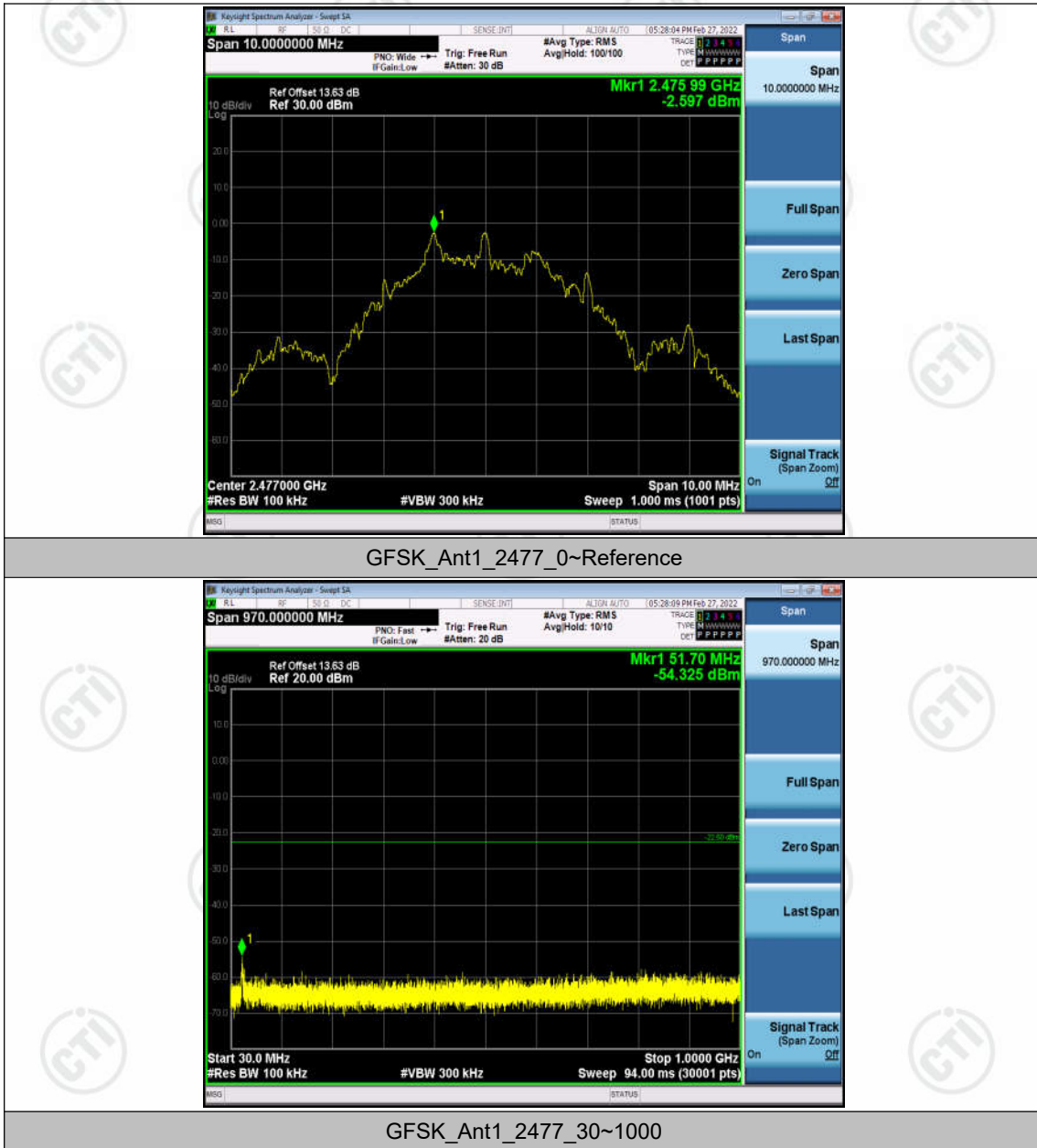


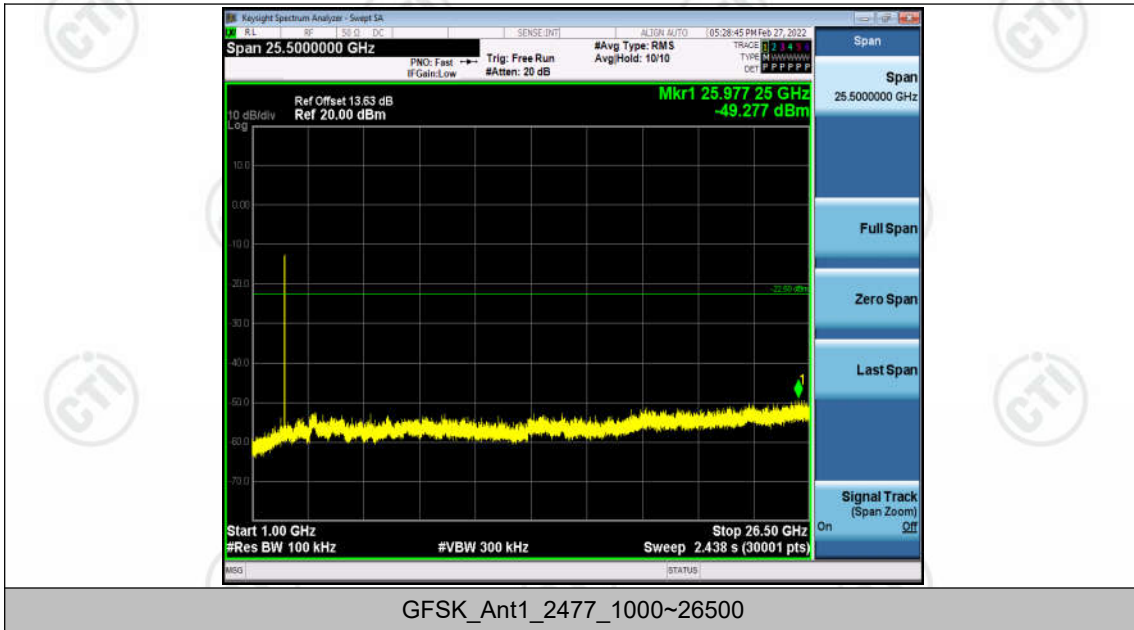
GFSK_Ant1_2410_1000~26500



GFSK_Ant1_2441.5_0~Reference





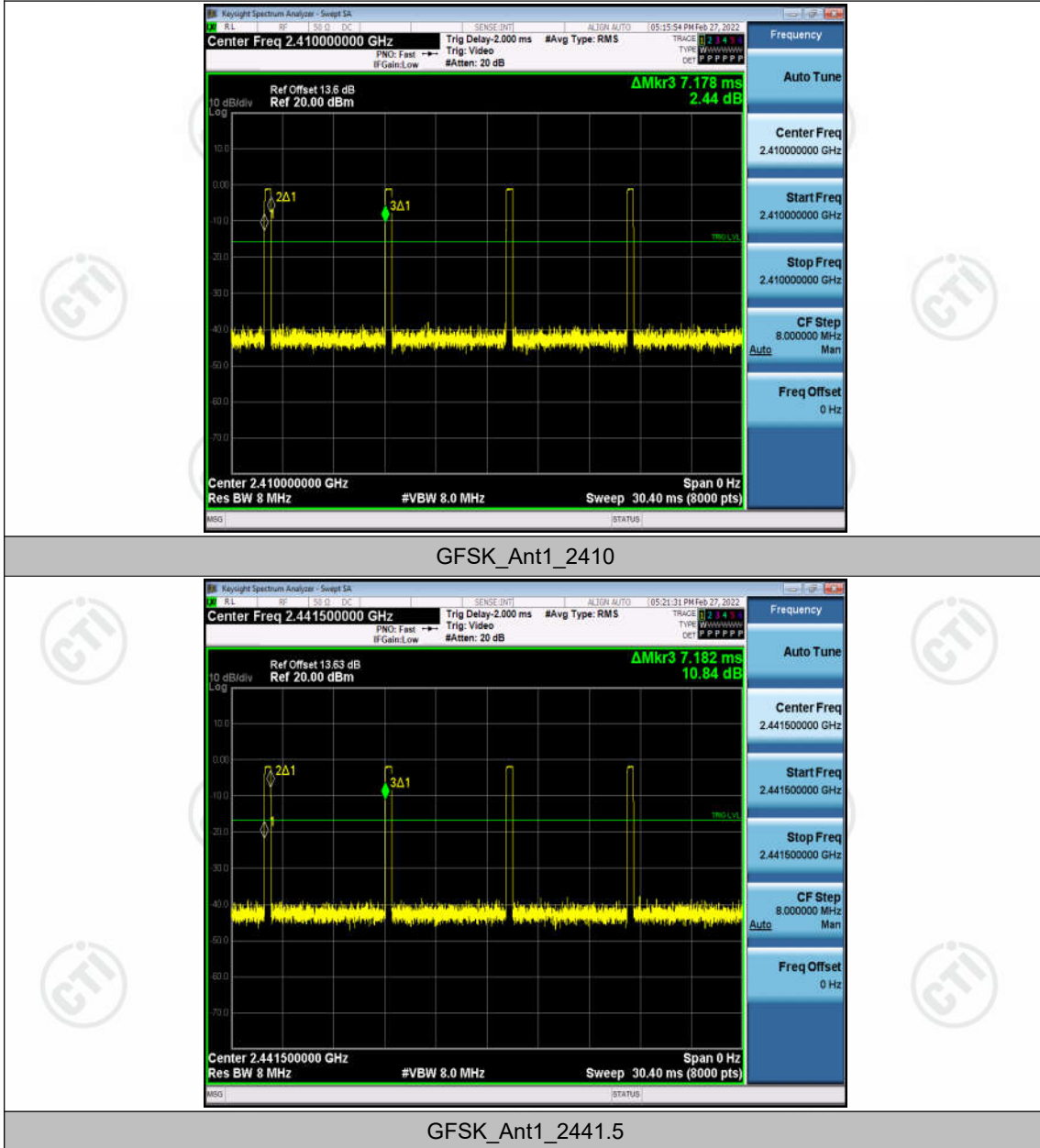


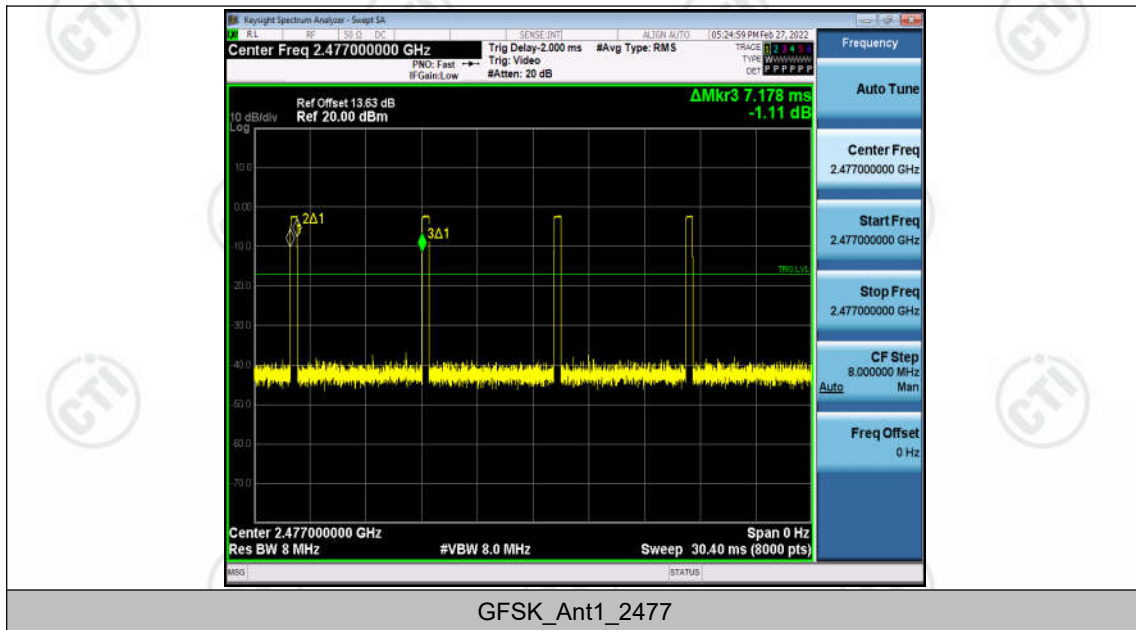
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
GFSK	Ant1	2410	0.38	7.18	5.29	---	PASS
		2441.5	0.38	7.18	5.29	---	PASS
		2477	0.38	7.18	5.24	---	PASS

Test Graphs





*** End of Report ***