

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

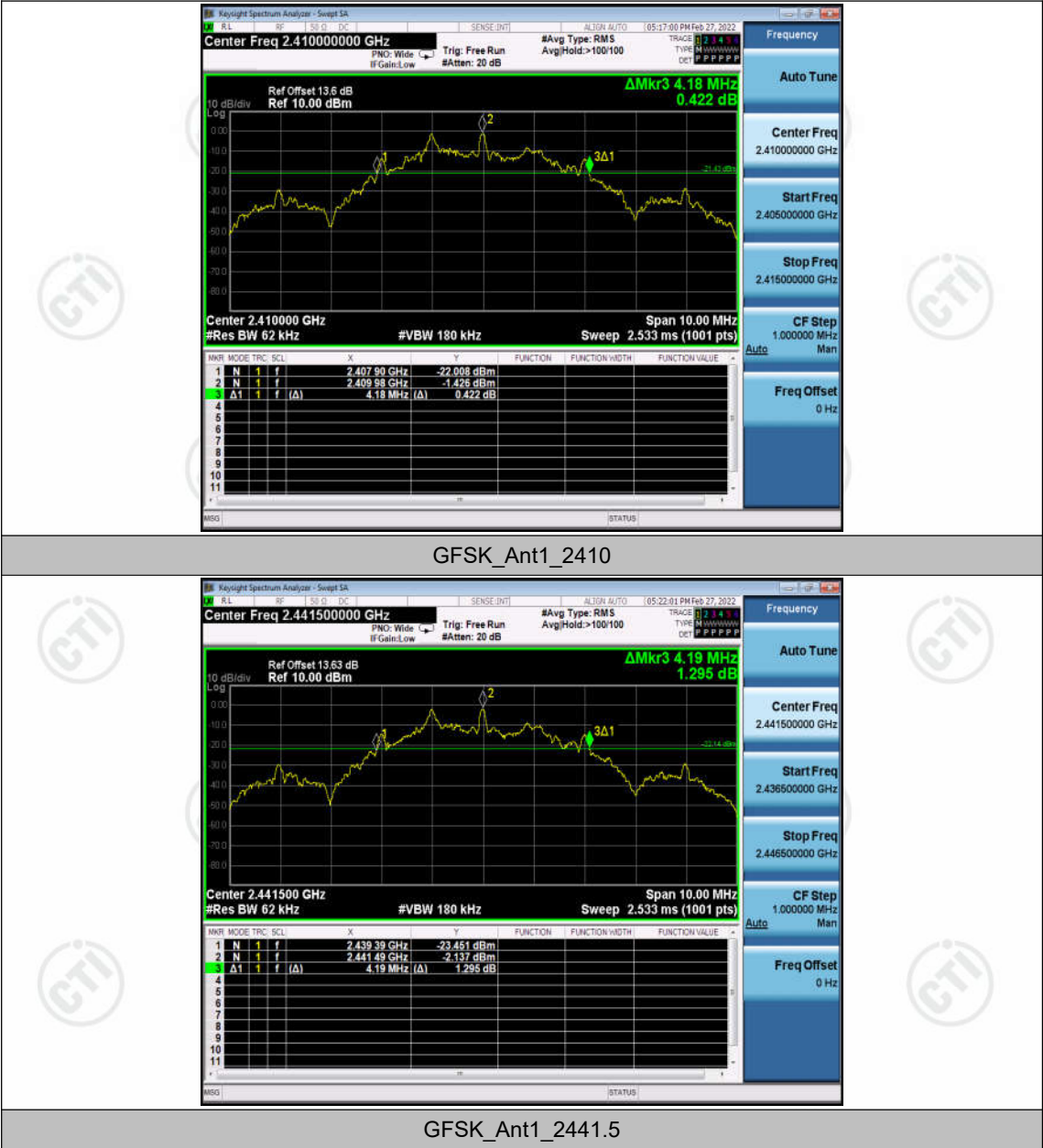
 Test Graphs..... 29

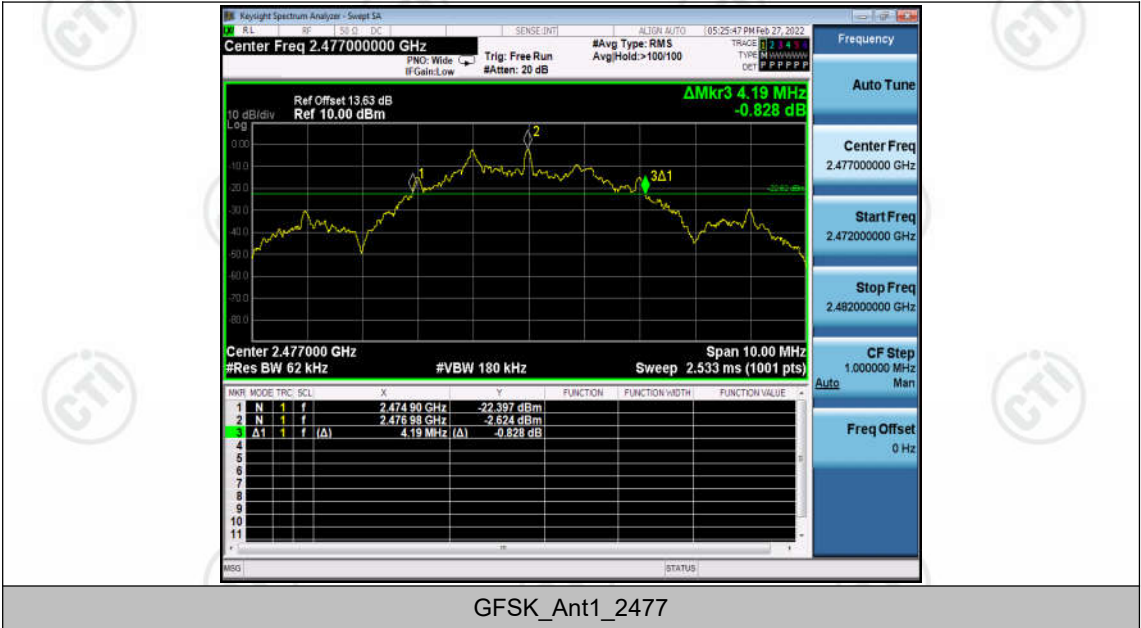
Appendix A: 20dB Emission Bandwidth

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



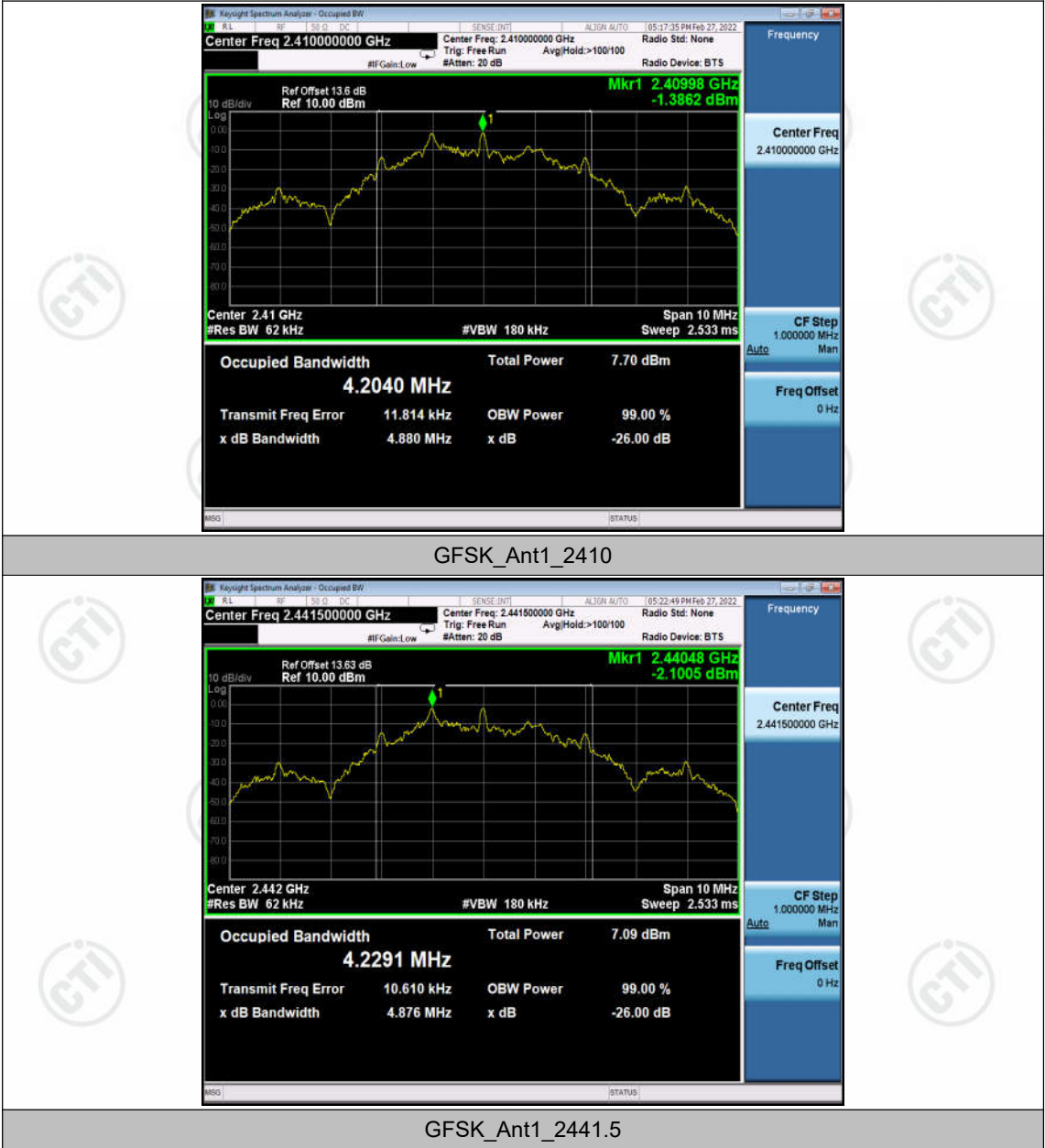


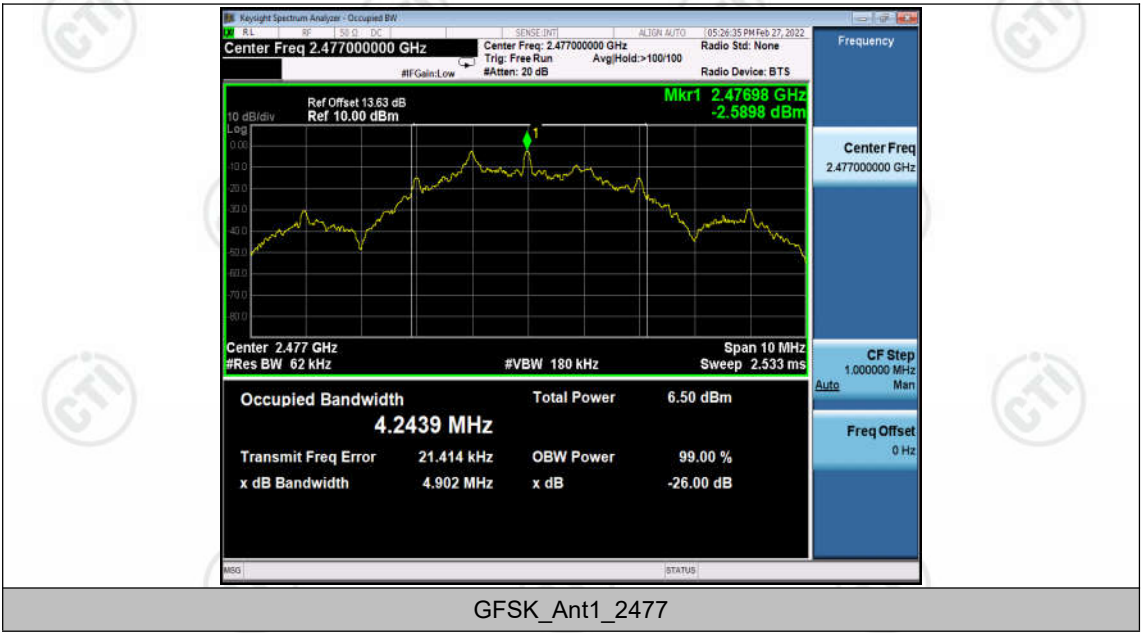
Appendix B: Occupied Channel Bandwidth

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

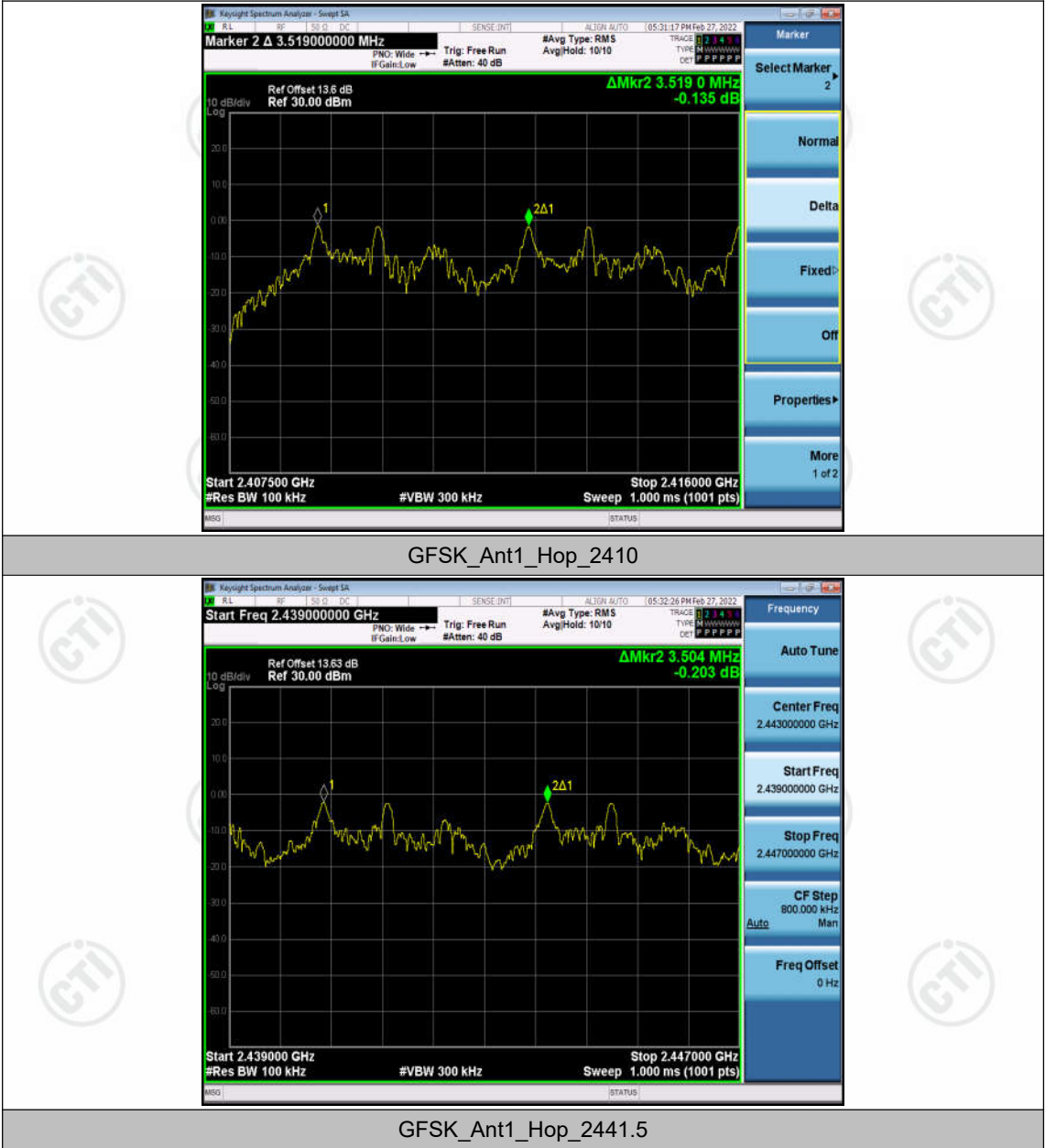


Appendix D: Carrier frequency separation

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



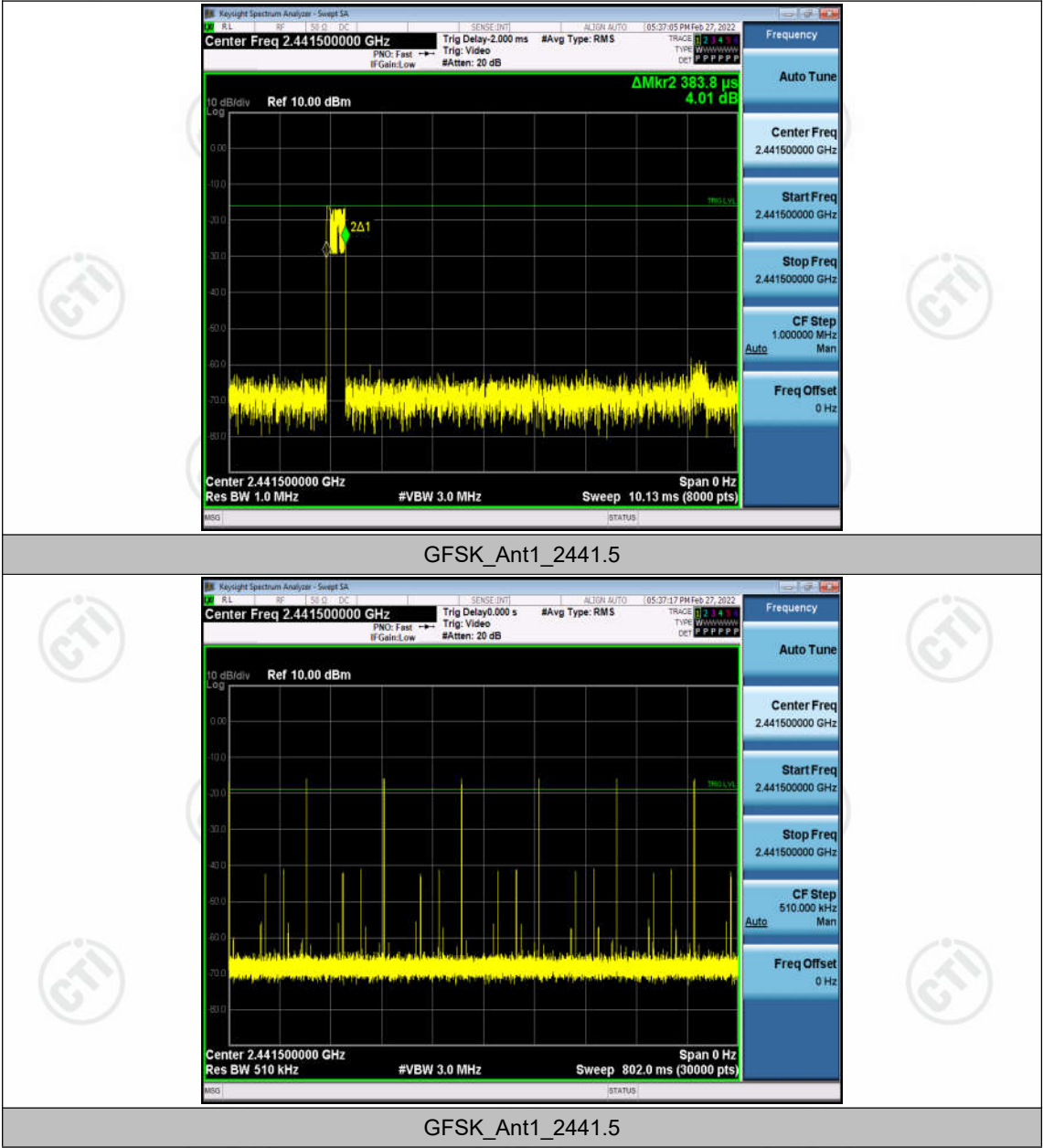


Appendix E: Time of occupancy

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

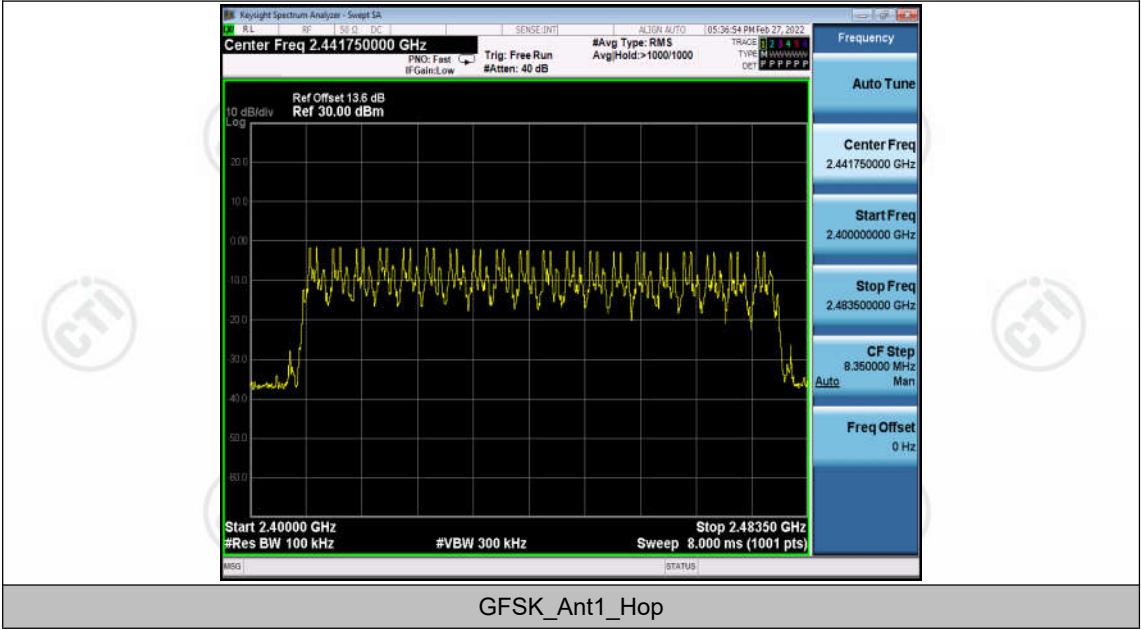


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

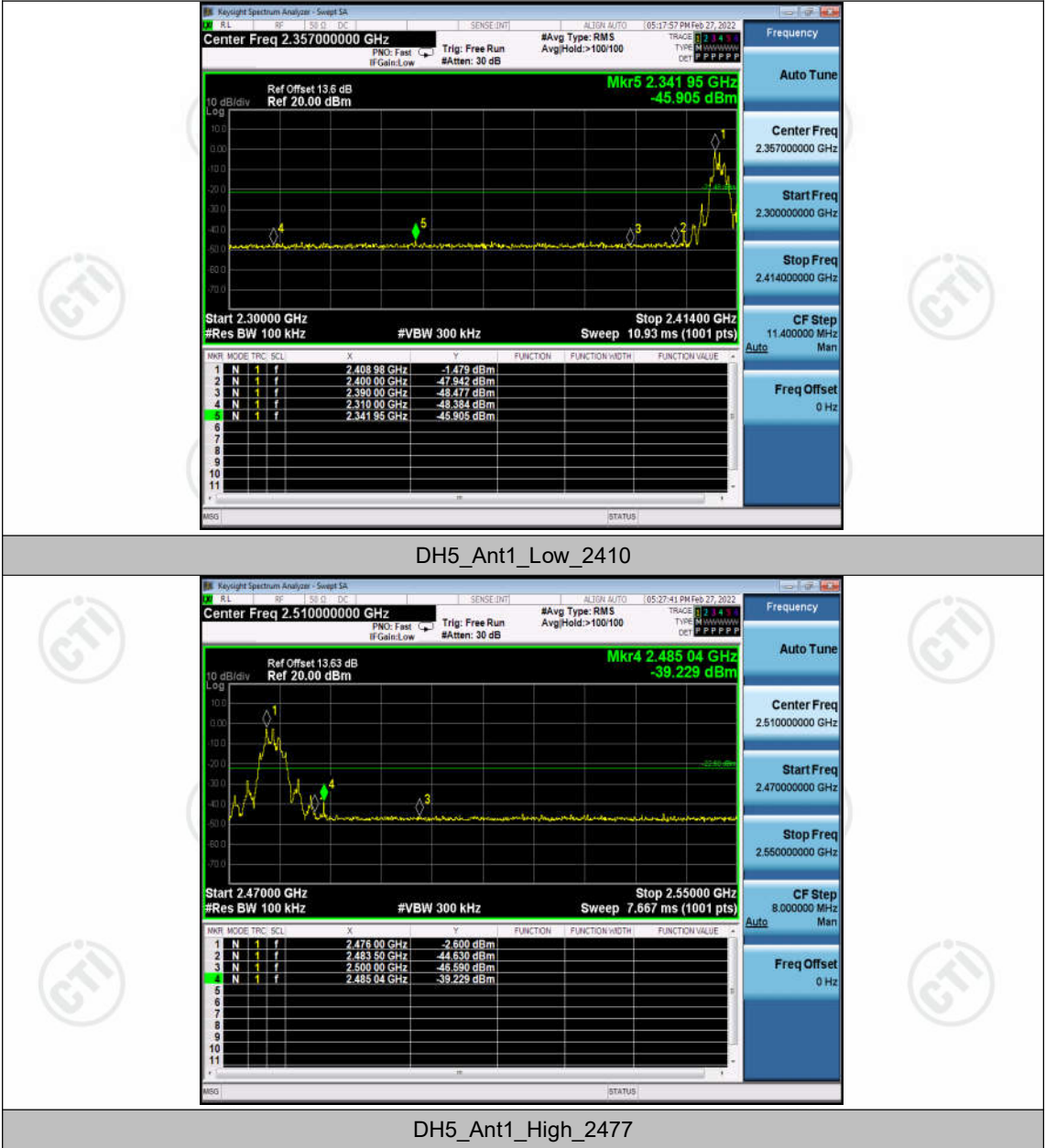


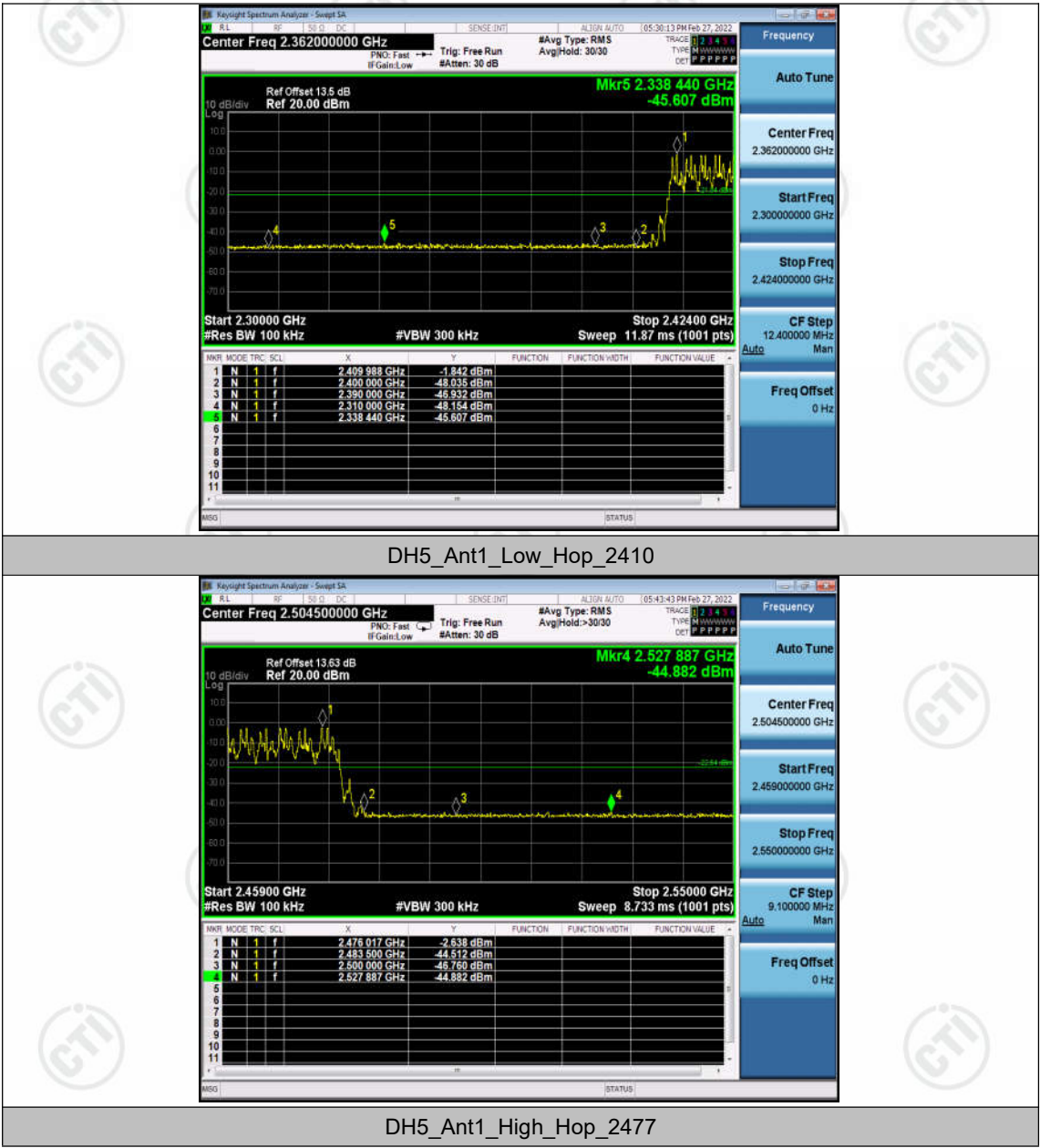
Appendix G:Band edge measurements

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



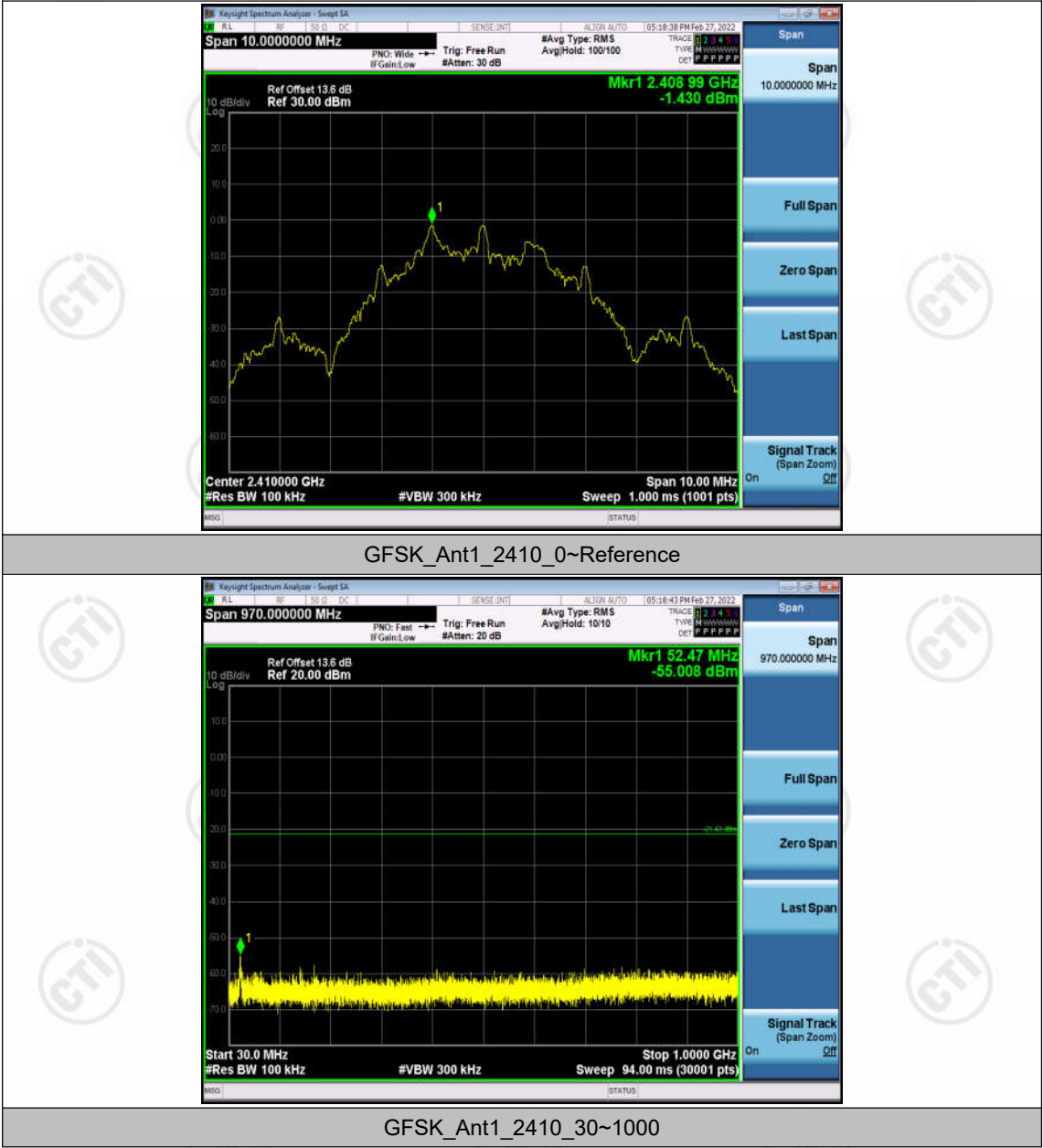


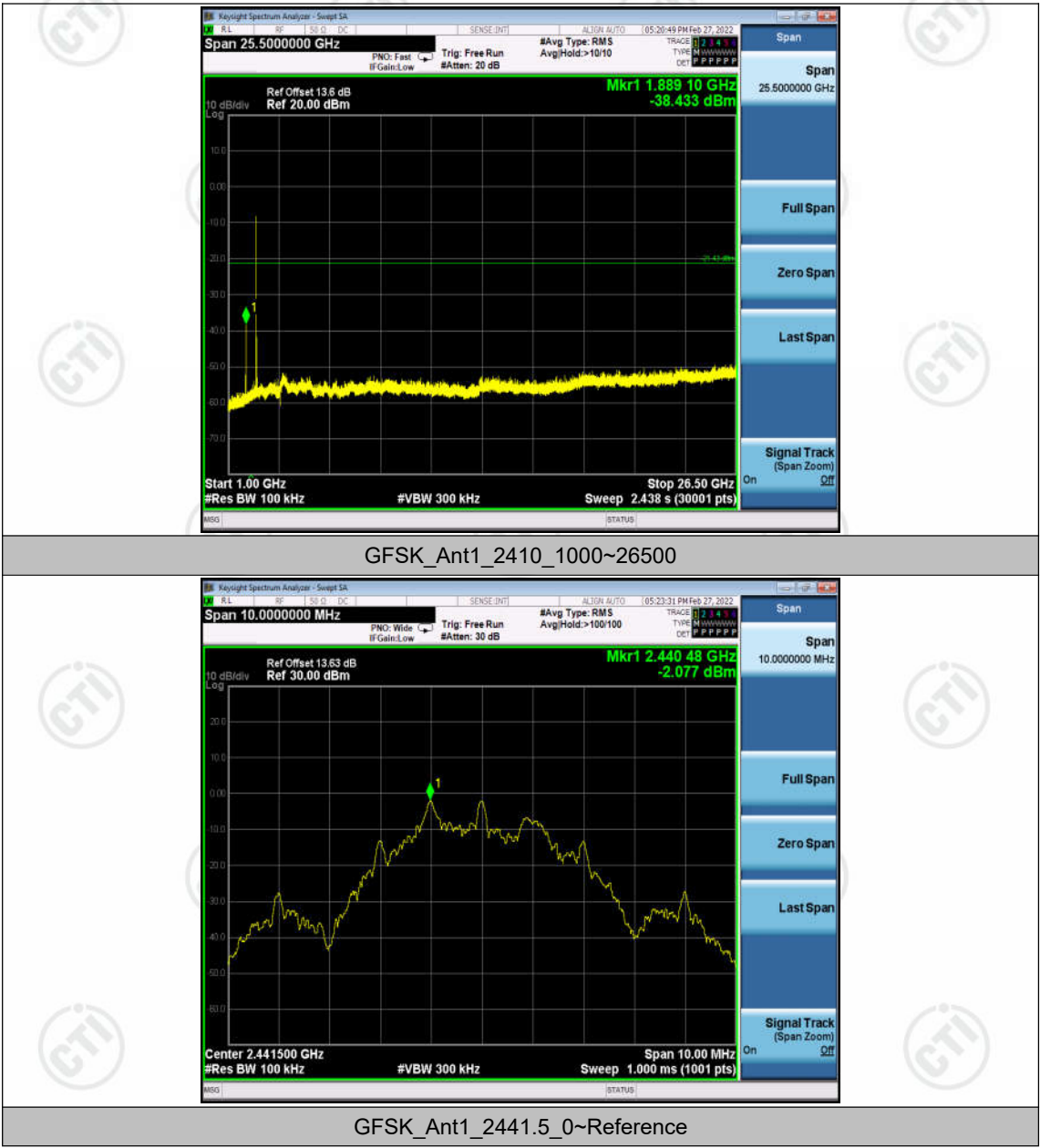
Appendix H:Conducted Spurious Emission

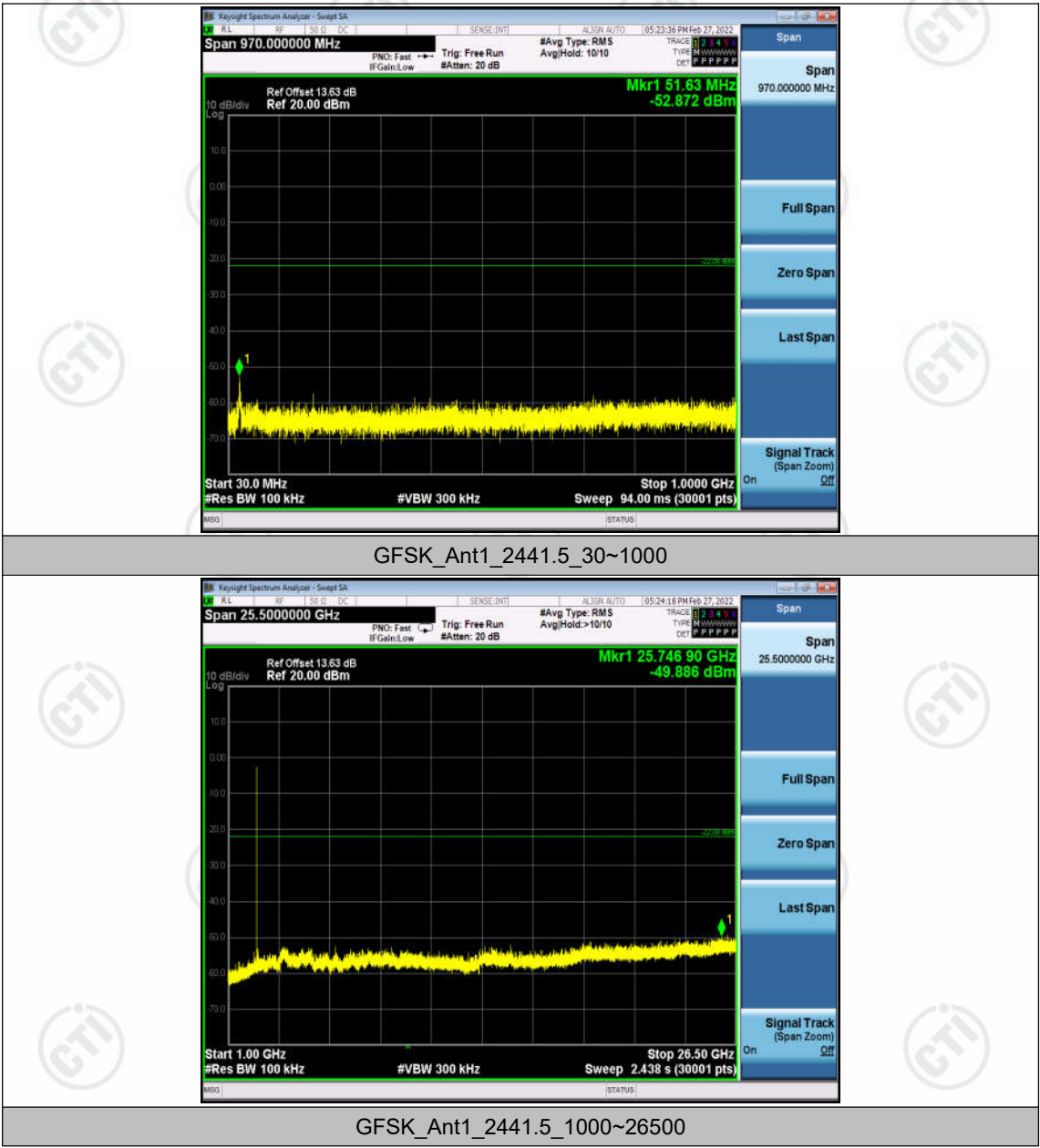
Test Result

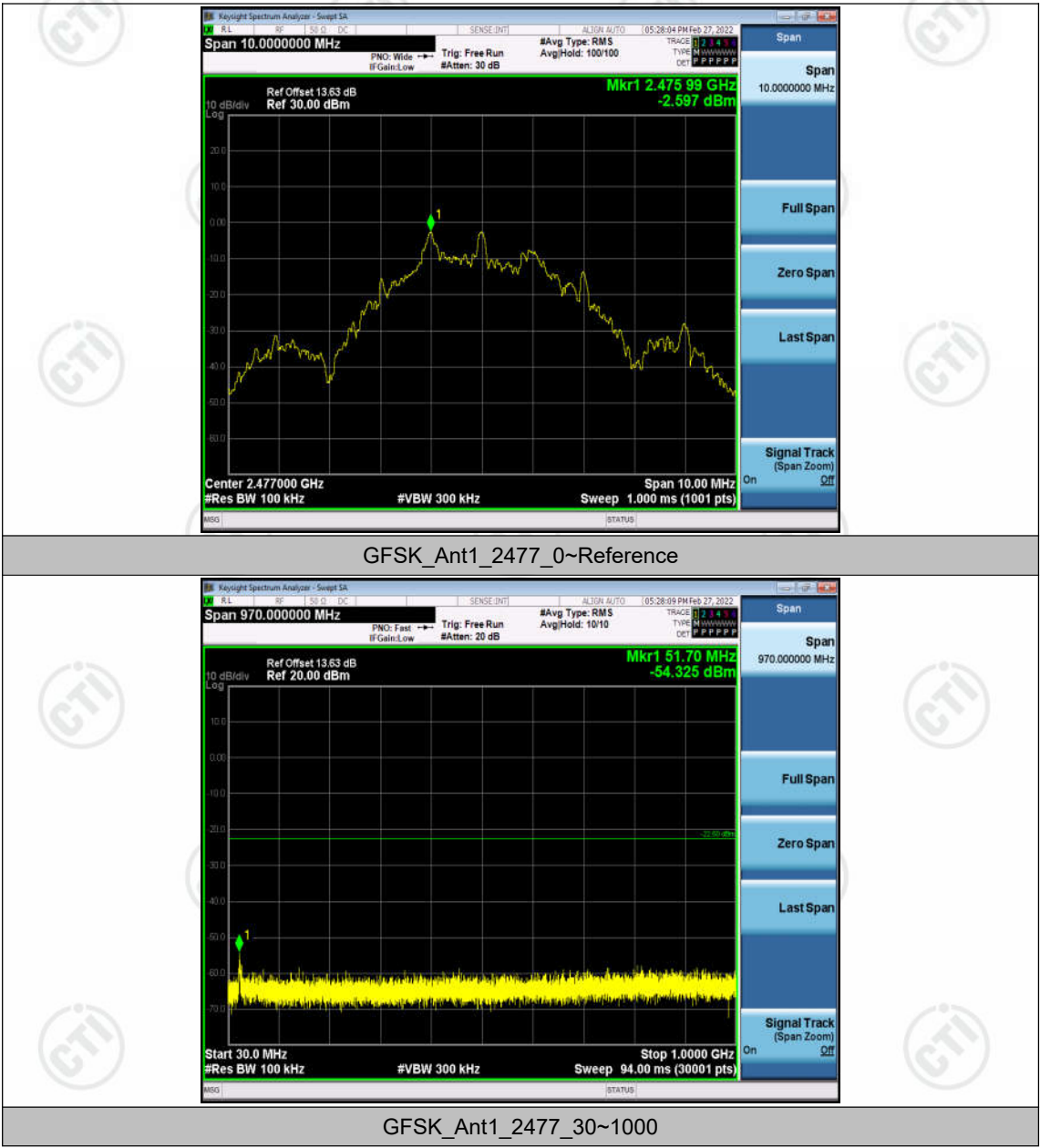
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
GFSK	Ant1	2410	Reference	-1.43	-1.43	---	PASS
			30~1000	30~1000	-55.008	<=-21.43	PASS
			1000~26500	1000~26500	-38.433	<=-21.43	PASS
		2441.5	Reference	-2.08	-2.08	---	PASS
			30~1000	30~1000	-52.872	<=-22.077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

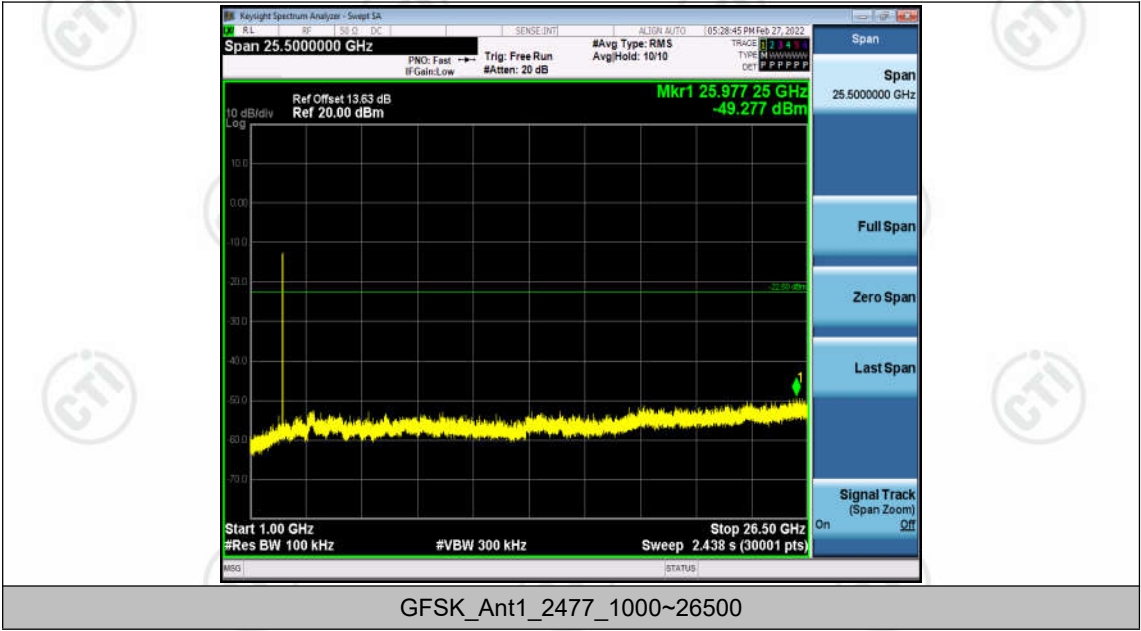
Test Graphs









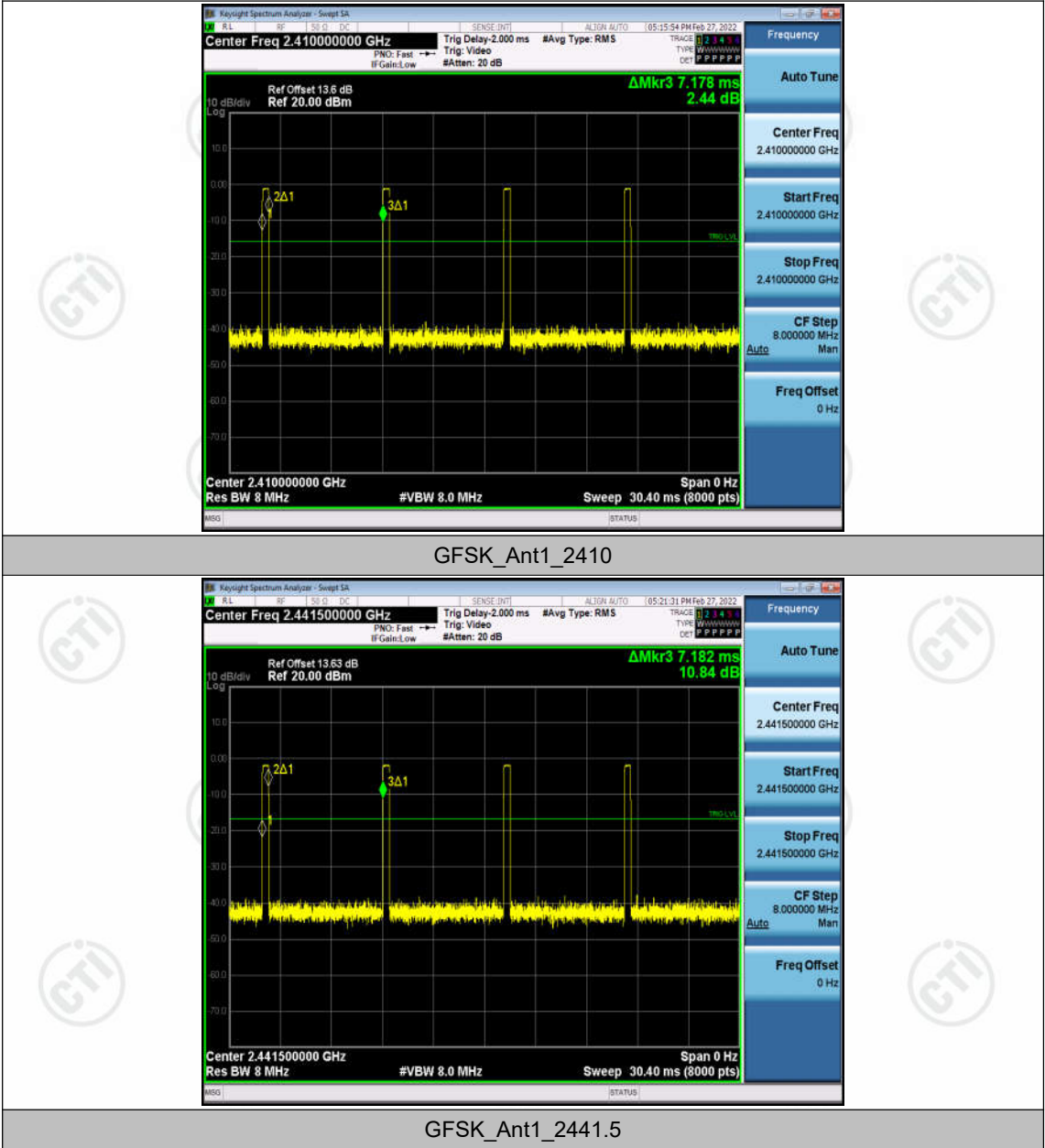


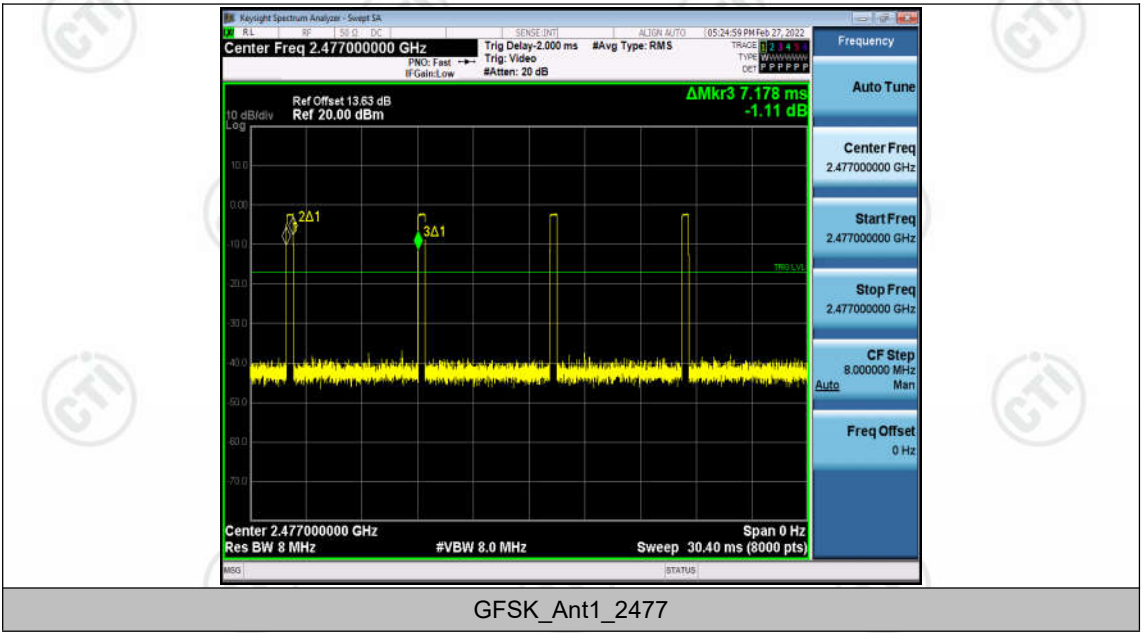
Appendix I: Duty Cycle

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 ***