

Appendix: 2.4G

Contents

Appendix A: 20dBEmission 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.....	17
Appendix G:Band edge measurements.....	18
Test Result.....	18
Test Graphs.....	19
Appendix H:Conducted Spurious Emission.....	21
Test Result.....	21
Test Graphs.....	22
Appendix I: Duty Cycle.....	27
Test Result.....	27
Test Graphs.....	28

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

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2410	4.500	2407.710	2412.210	---	PASS
		2441.5	4.550	2439.250	2443.800	---	PASS
		2477	4.260	2474.870	2479.130	---	PASS

Test Graphs



DH5_Ant1_2410



DH5_Ant1_2441.5



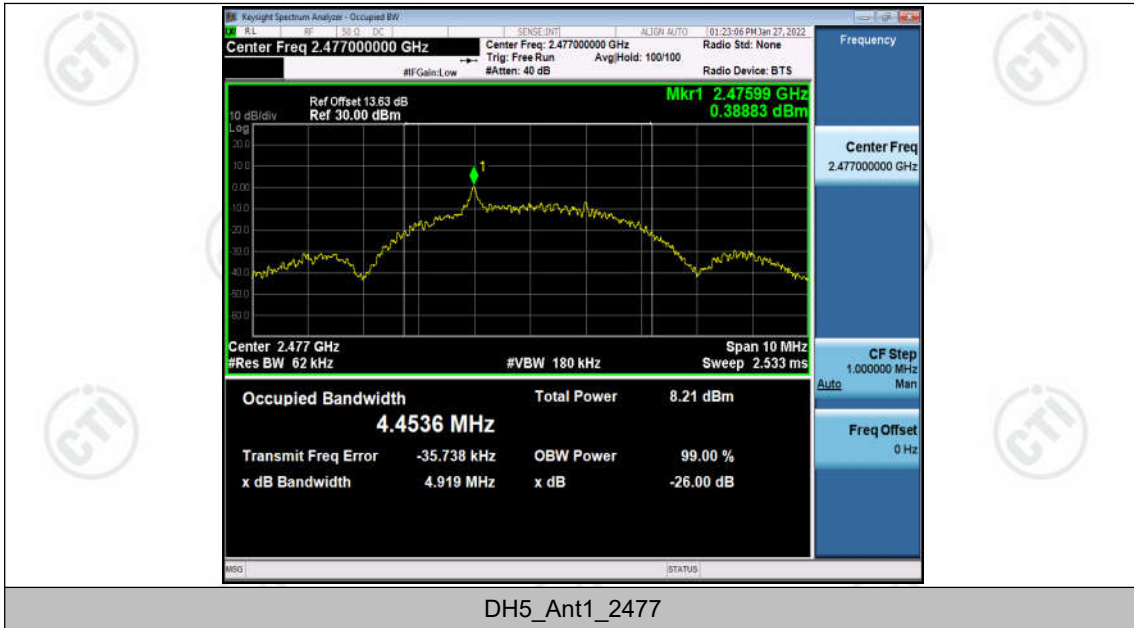
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2410	4.4693	2407.749	2412.218	---	PASS
		2441.5	4.4619	2439.255	2443.717	---	PASS
		2477	4.4536	2474.737	2479.191	---	PASS

Test Graphs





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

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2410	0.85	<=30	PASS
		2441.5	1.54	<=30	PASS
		2477	1.47	<=30	PASS

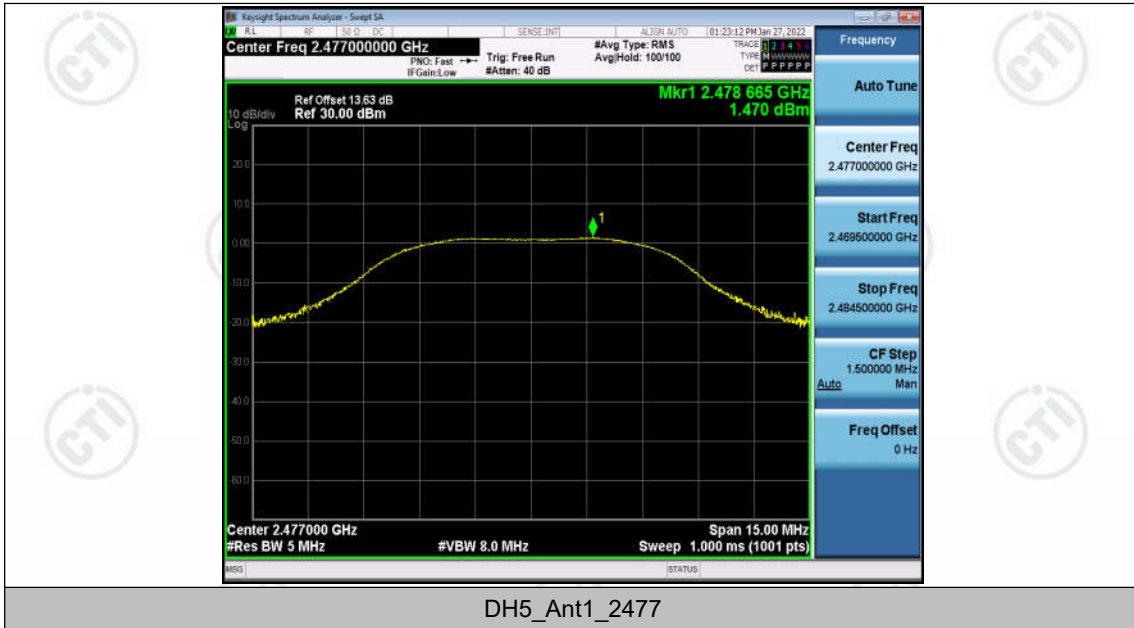
Test Graphs



DH5_Ant1_2410



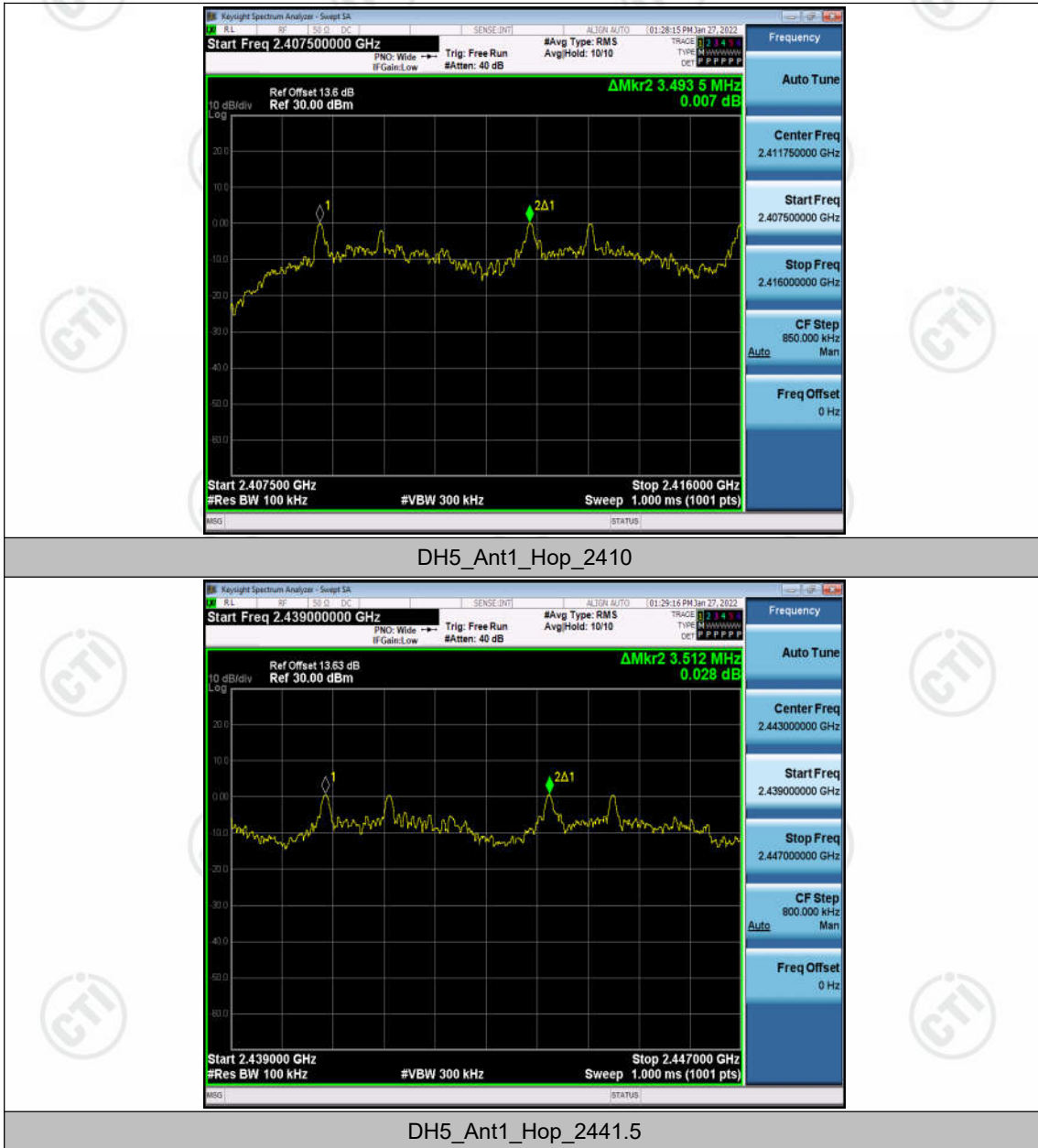
DH5_Ant1_2441.5



Appendix D: Carrier frequency separation**Test Result**

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop_2410	3.49	≥ 0.025	PASS
		Hop_2441.5	3.51	≥ 0.025	PASS
		Hop_2477	4.01	≥ 0.025	PASS

Test Graphs





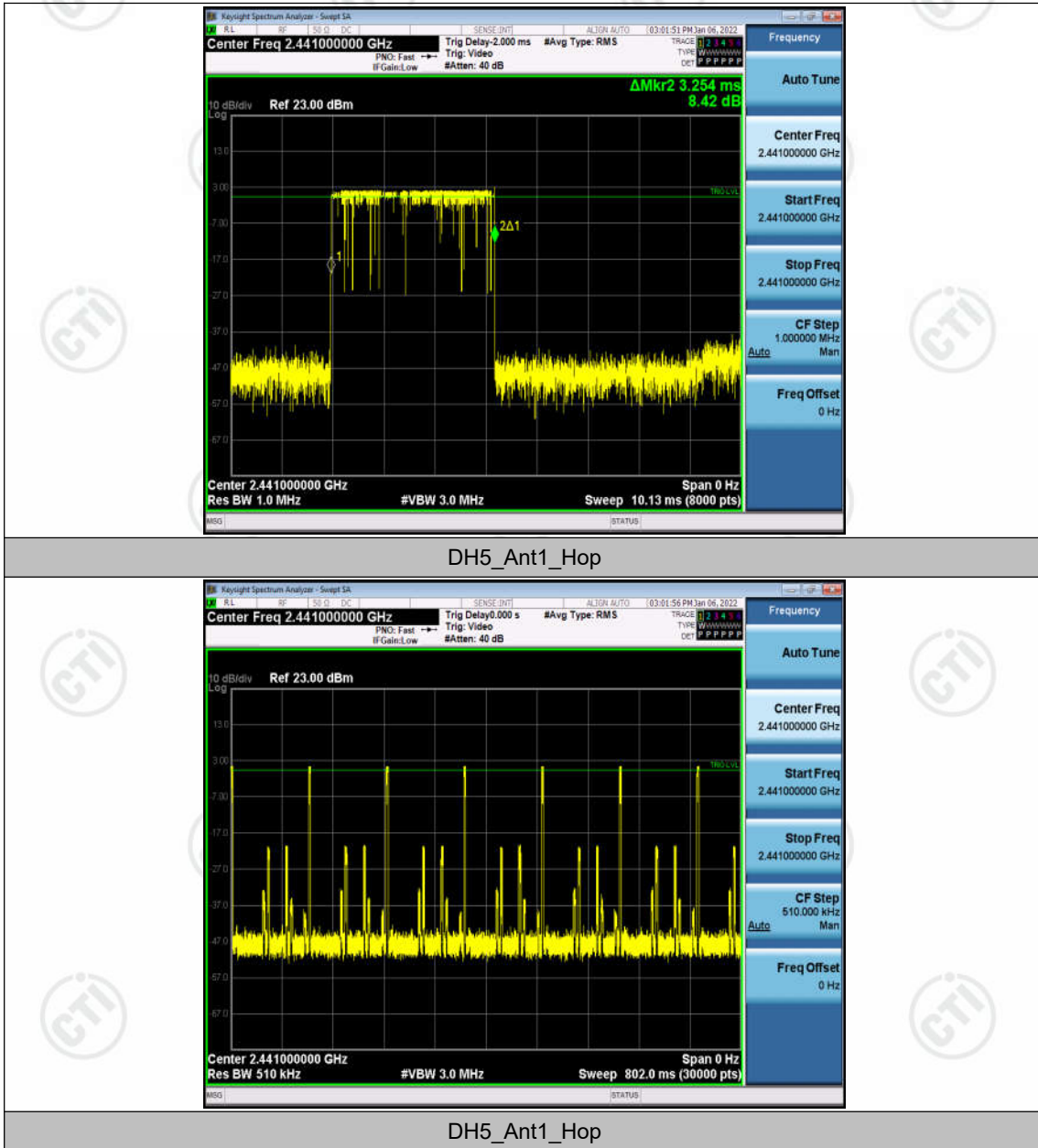
DH5_Ant1_Hop_2477

Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	3.25	70	0.91	<=0.4	PASS

Test Graphs

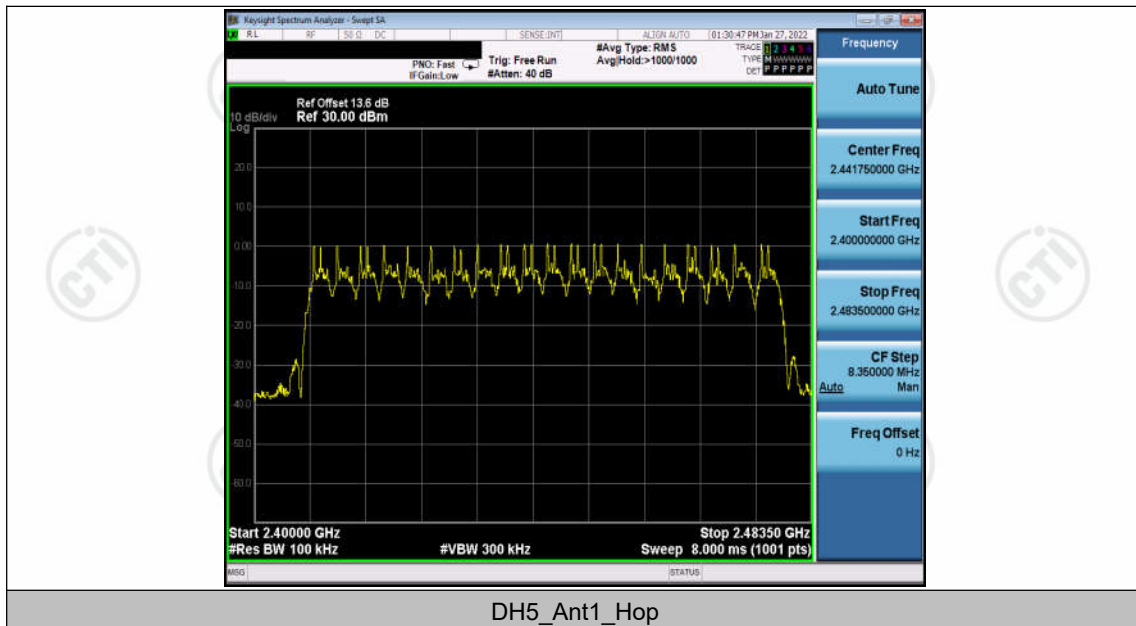


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	20	>=15	PASS

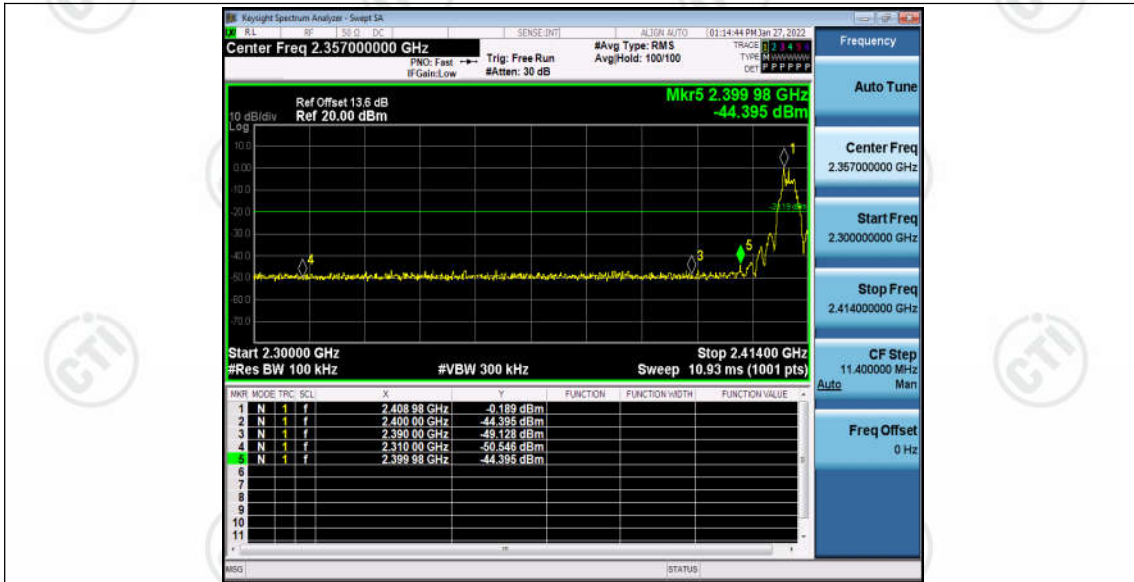
Test Graphs



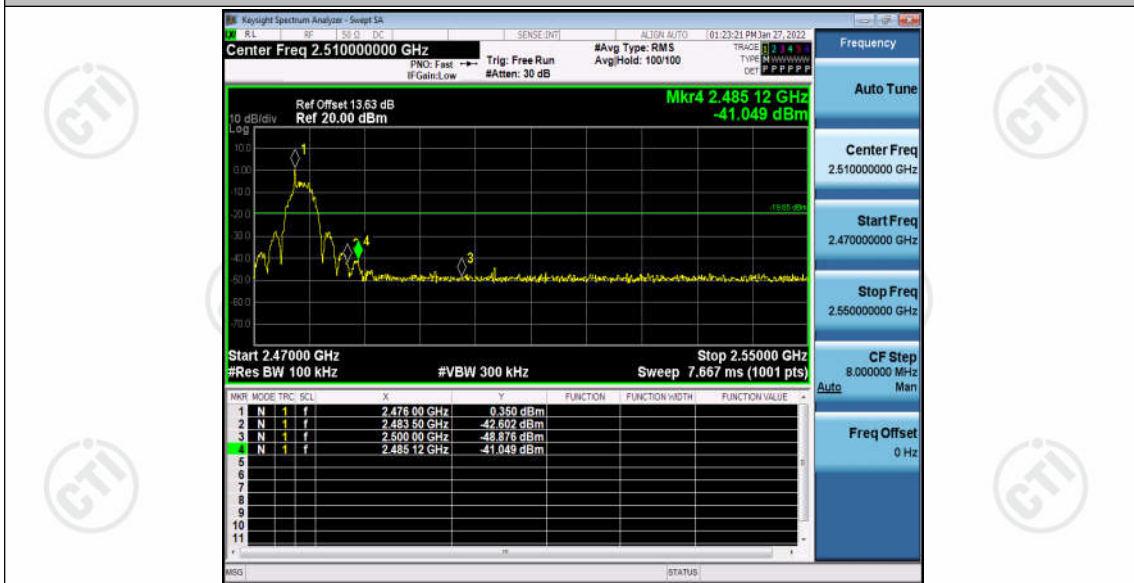
Appendix G:Band edge measurements**Test Result**

Test Mode	Antenna	ChName	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2410	-0.19	-44.4	<=-20.19	PASS
		High	2477	0.35	-41.05	<=-19.65	PASS
		Low	Hop_2410	0.06	-45.9	<=-19.94	PASS
		High	Hop_2477	0.38	-44.58	<=-19.62	PASS

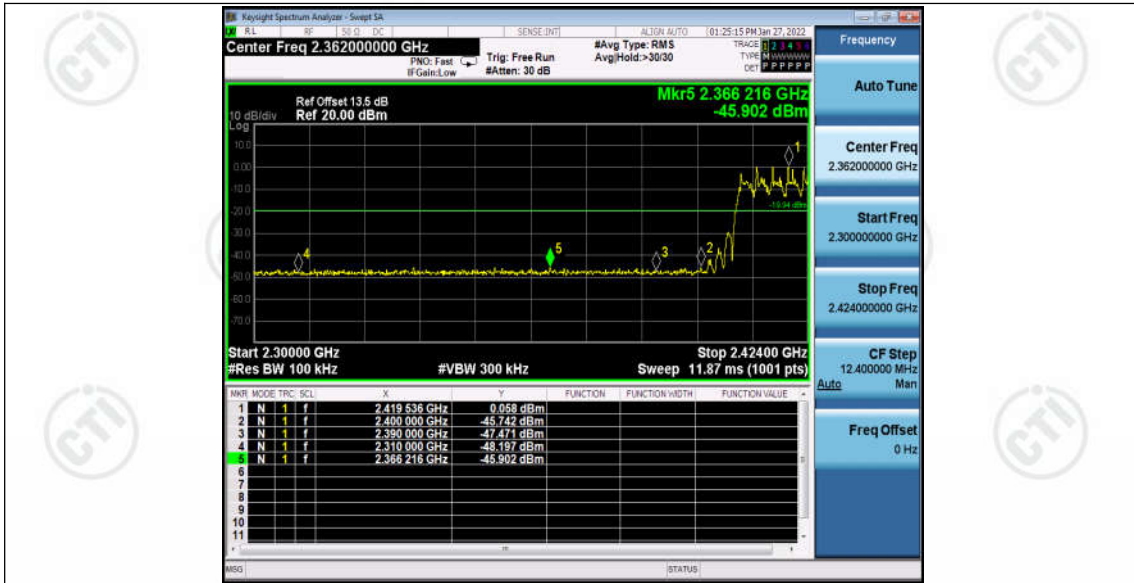
Test Graphs



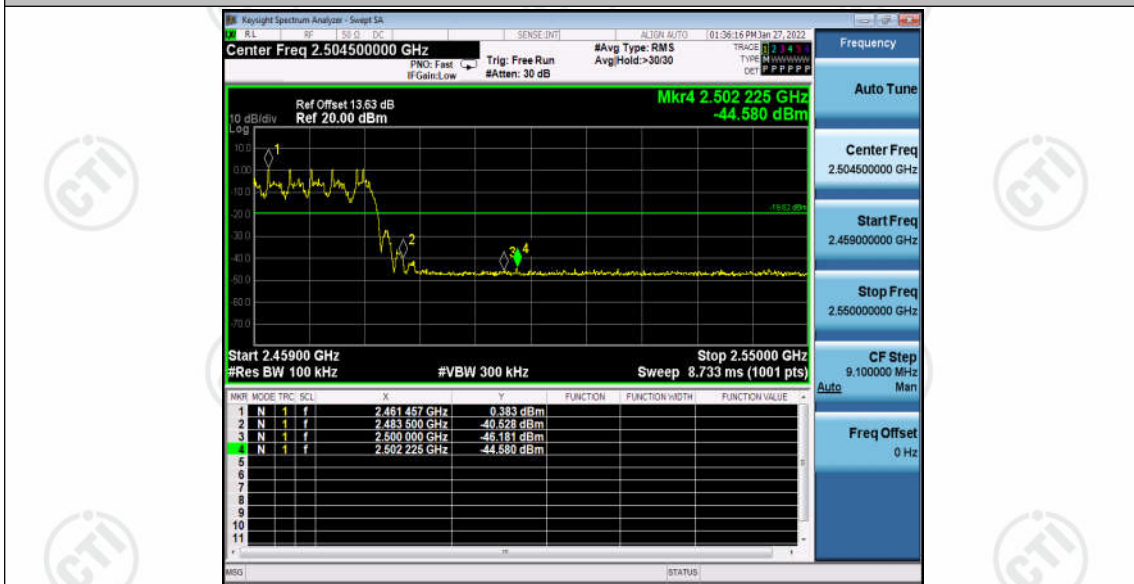
DH5_Ant1_Low_2410



DH5_Ant1_High_2477



DH5_Ant1_Low_Hop_2410



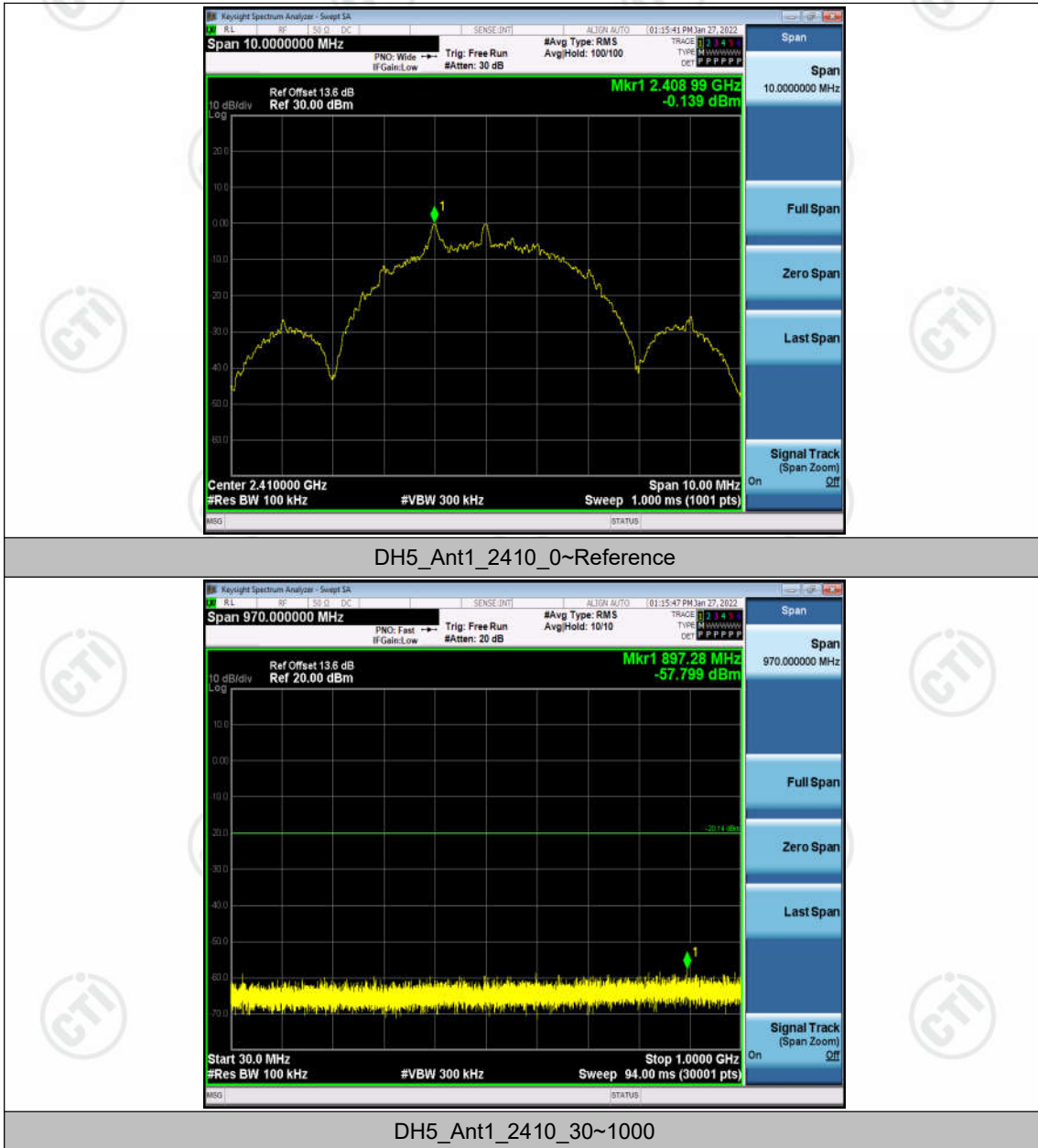
DH5_Ant1_High_Hop_2477

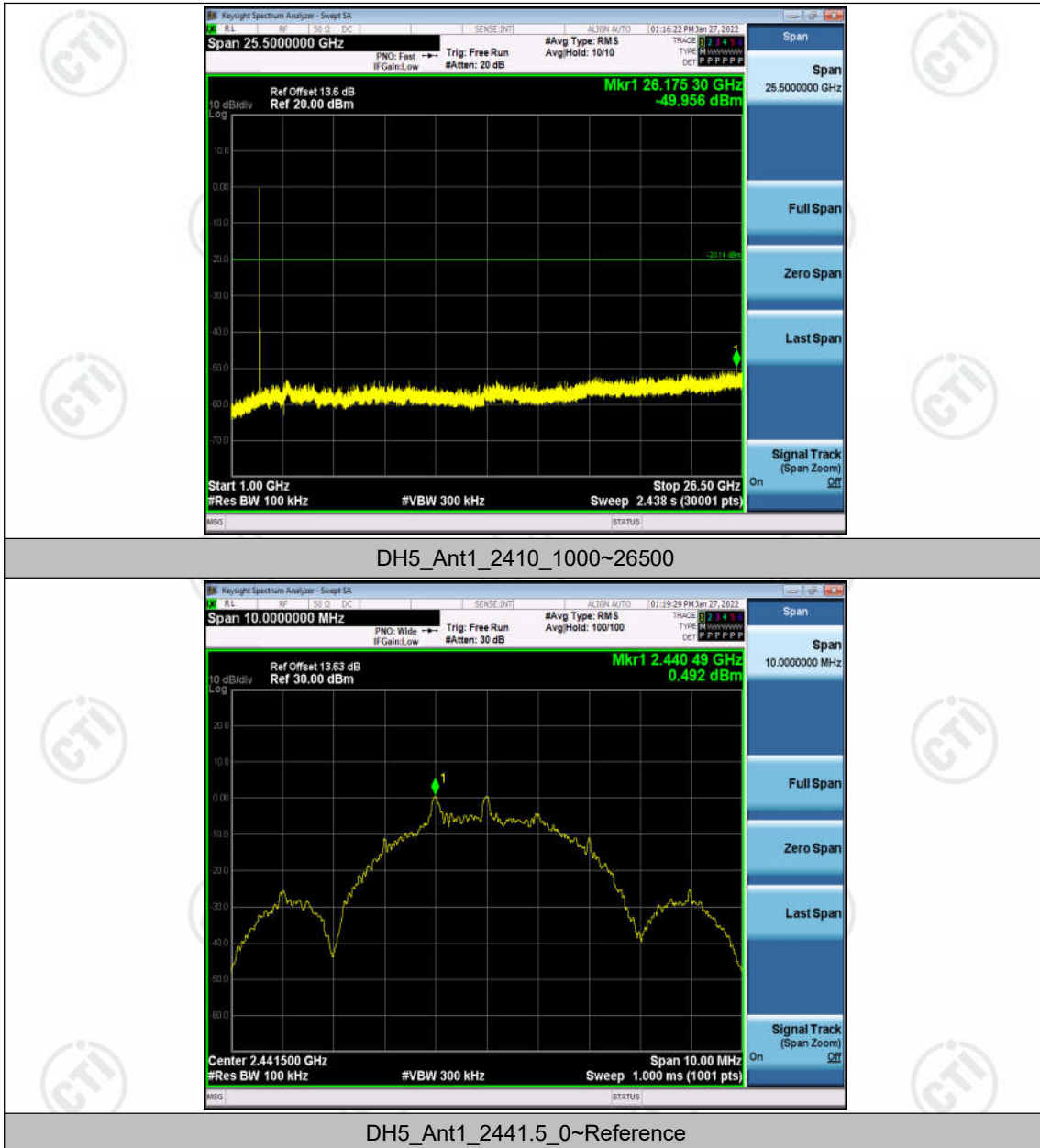
Appendix H: Conducted Spurious Emission

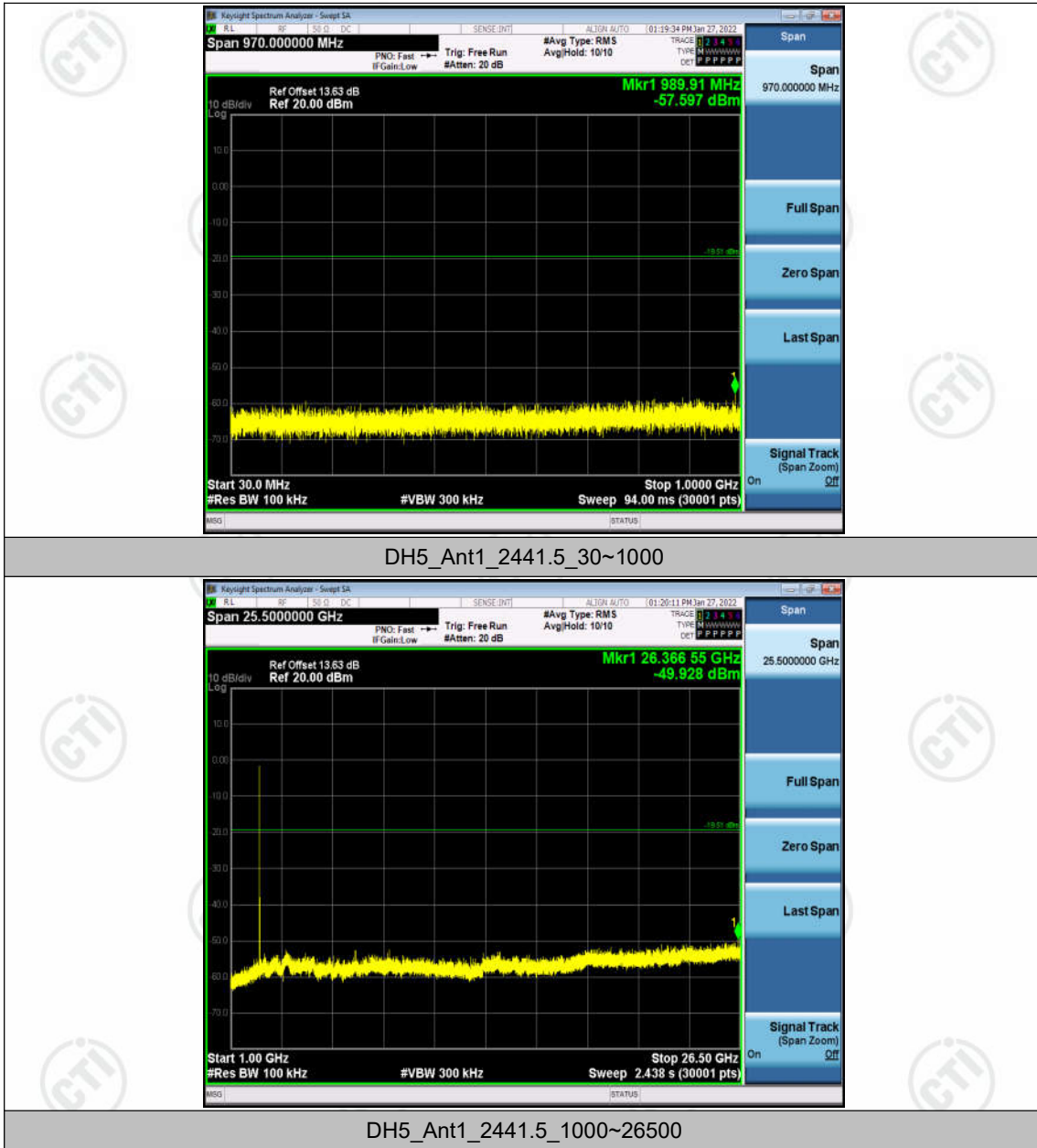
Test Result

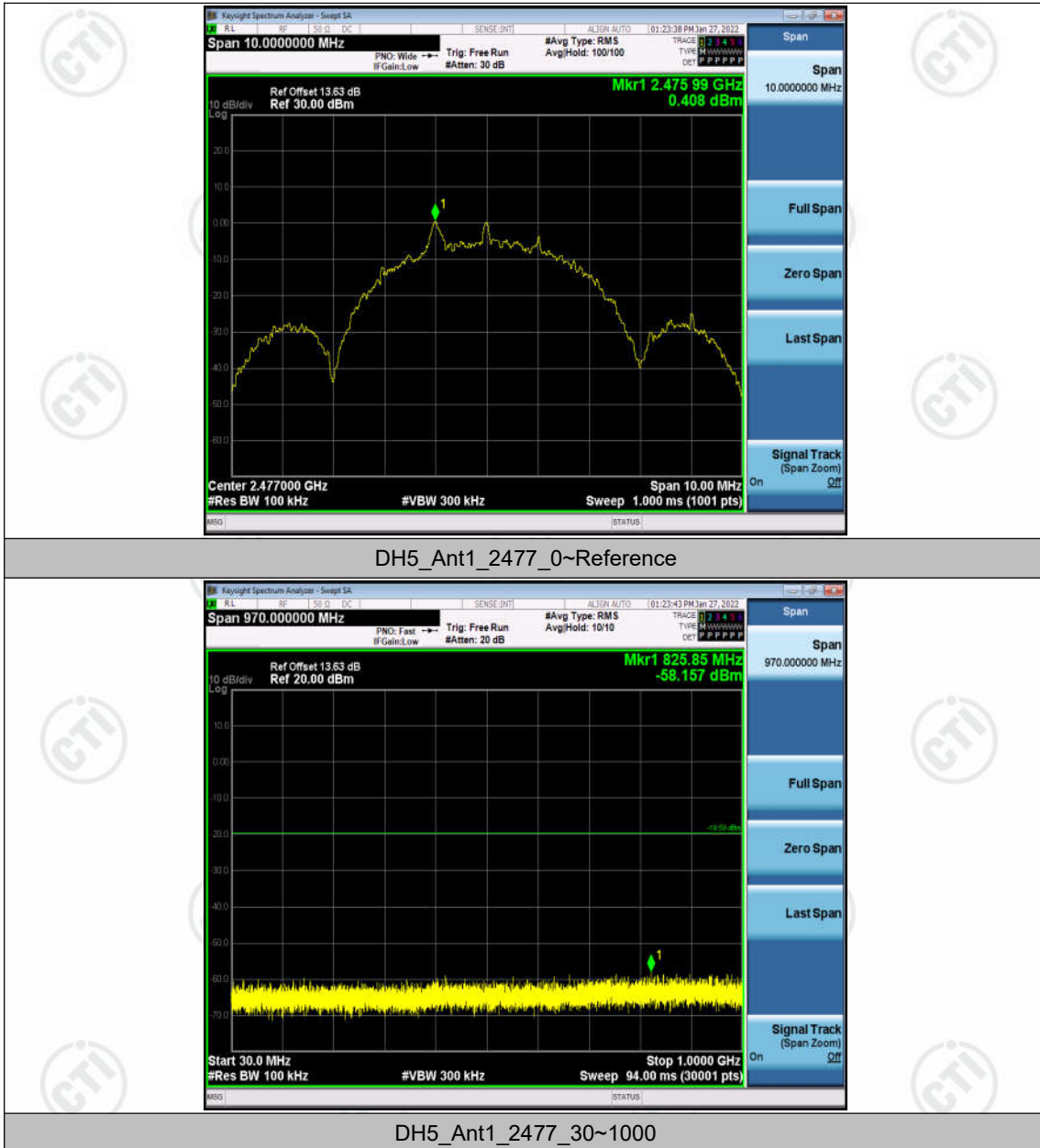
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2410	Reference	-0.14	-0.14	---	PASS
			30~1000	30~1000	-57.799	<=-20.139	PASS
			1000~26500	1000~26500	-49.956	<=-20.139	PASS
		2441.5	Reference	0.49	0.49	---	PASS
			30~1000	30~1000	-57.597	<=-19.508	PASS
			1000~26500	1000~26500	-49.928	<=-19.508	PASS
		2477	Reference	0.41	0.41	---	PASS
			30~1000	30~1000	-58.157	<=-19.592	PASS
			1000~26500	1000~26500	-44.355	<=-19.592	PASS

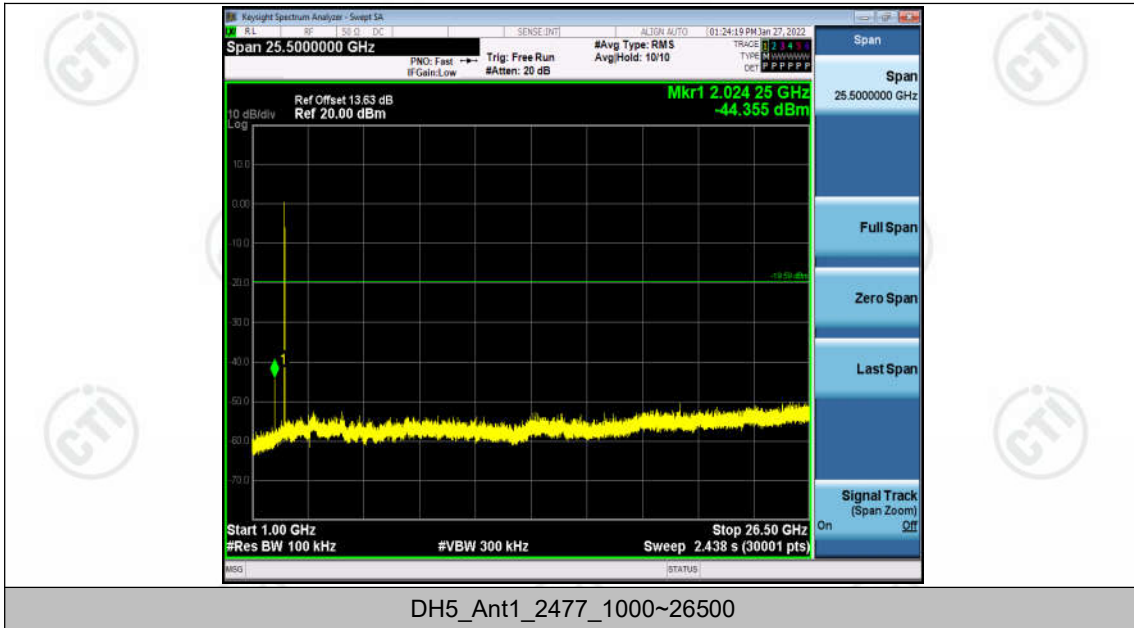
Test Graphs







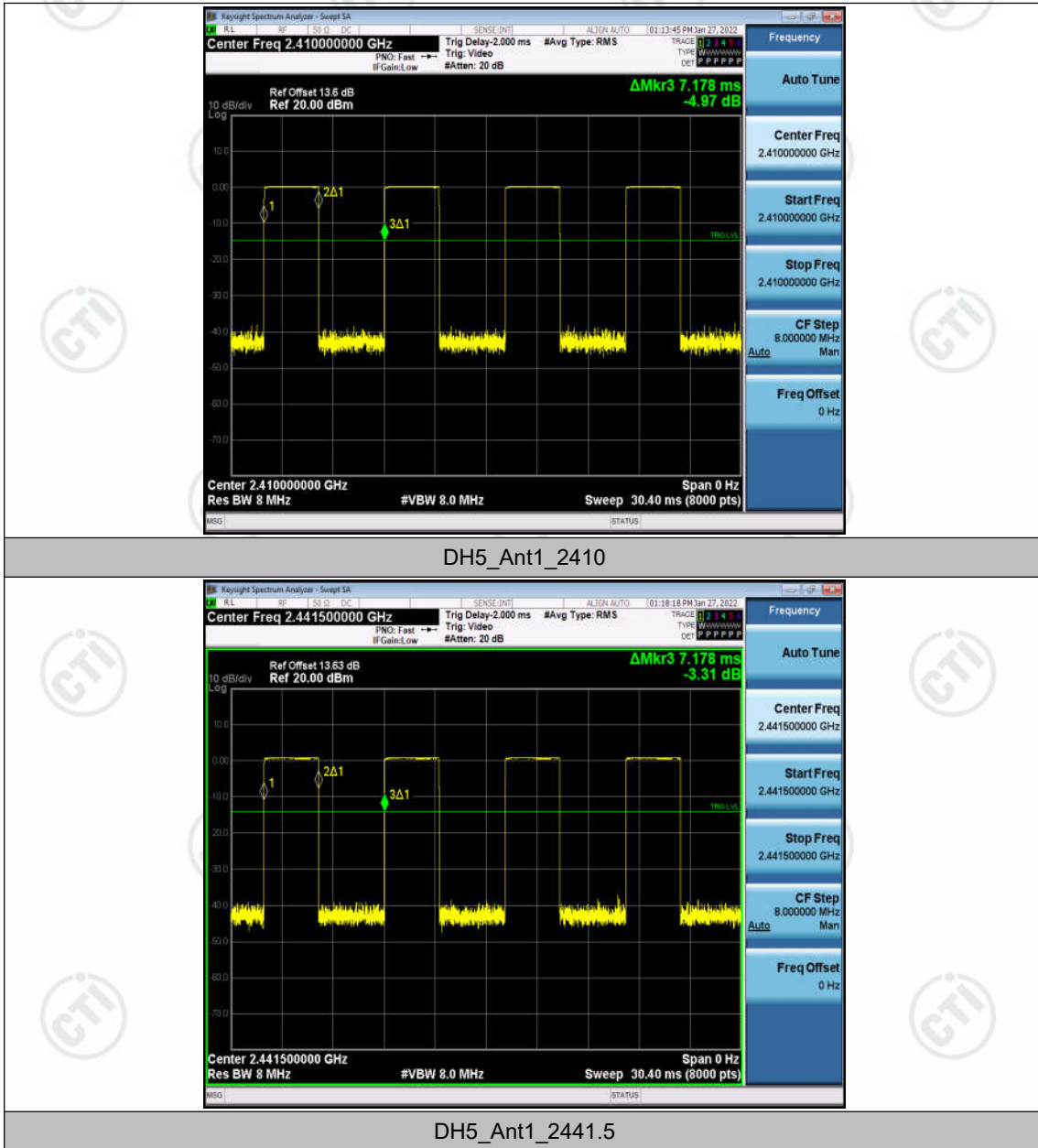


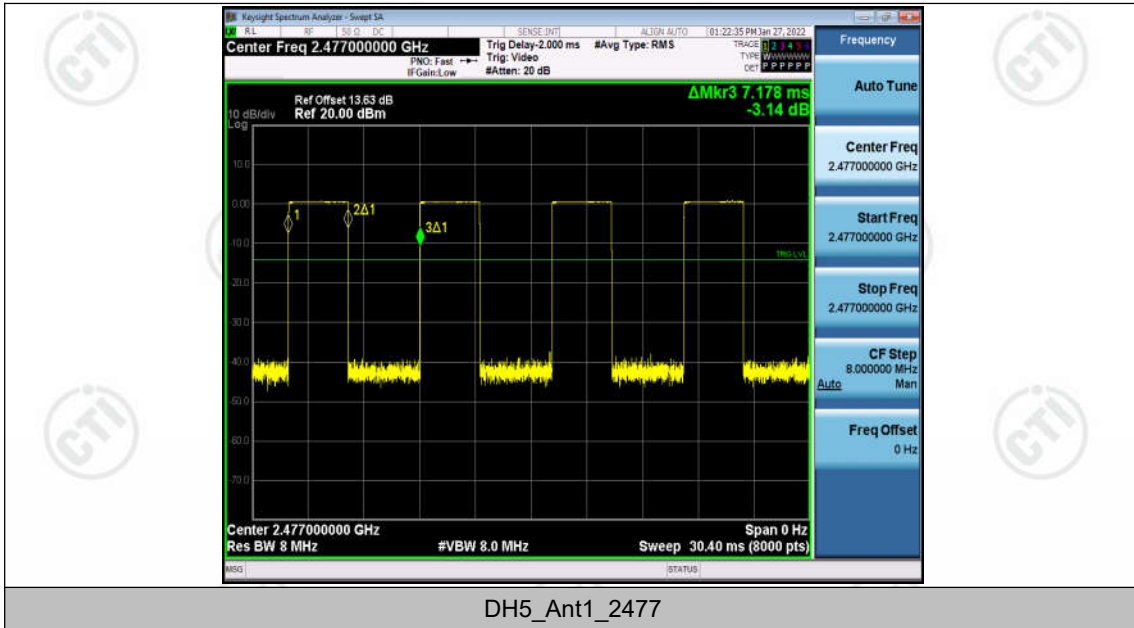


Appendix I: Duty Cycle**Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2410	3.25	7.18	45.26	---	PASS
		2441.5	3.25	7.18	45.31	---	PASS
		2477	3.25	7.18	45.26	---	PASS

Test Graphs





*** End of Report ***