

Appendix: Bluetooth Classic

Contents

Appendix A: 20dB Emission Bandwidth..... 3

 Test Result..... 3

 Test Graphs..... 4

Appendix B: Occupied Channel Bandwidth..... 7

 Test Result..... 7

 Test Graphs..... 8

Appendix C: Maximum conducted output power..... 12

 Test Result..... 12

 Test Graphs..... 13

Appendix D: Carrier frequency separation..... 16

 Test Result..... 16

 Test Graphs..... 17

Appendix E: Time of occupancy..... 18

 Test Result..... 18

 Test Graphs..... 19

Appendix F: Number of hopping channels..... 25

 Test Result..... 25

 Test Graphs..... 26

Appendix G: Band edge measurements..... 27

 Test Result..... 27

 Test Graphs..... 28

Appendix H: Conducted Spurious Emission..... 32

 Test Result..... 32

 Test Graphs..... 33

Appendix I: Duty Cycle..... 42

 Test Result..... 42

 Test Graphs..... 43

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.023	2401.466	2402.489	---	PASS
		2441	1.023	2440.466	2441.489	---	PASS
		2480	1.029	2479.463	2480.492	---	PASS
2DH5	Ant1	2402	1.320	2401.322	2402.642	---	PASS
		2441	1.320	2440.319	2441.639	---	PASS
		2480	1.323	2479.319	2480.642	---	PASS

Test Graphs





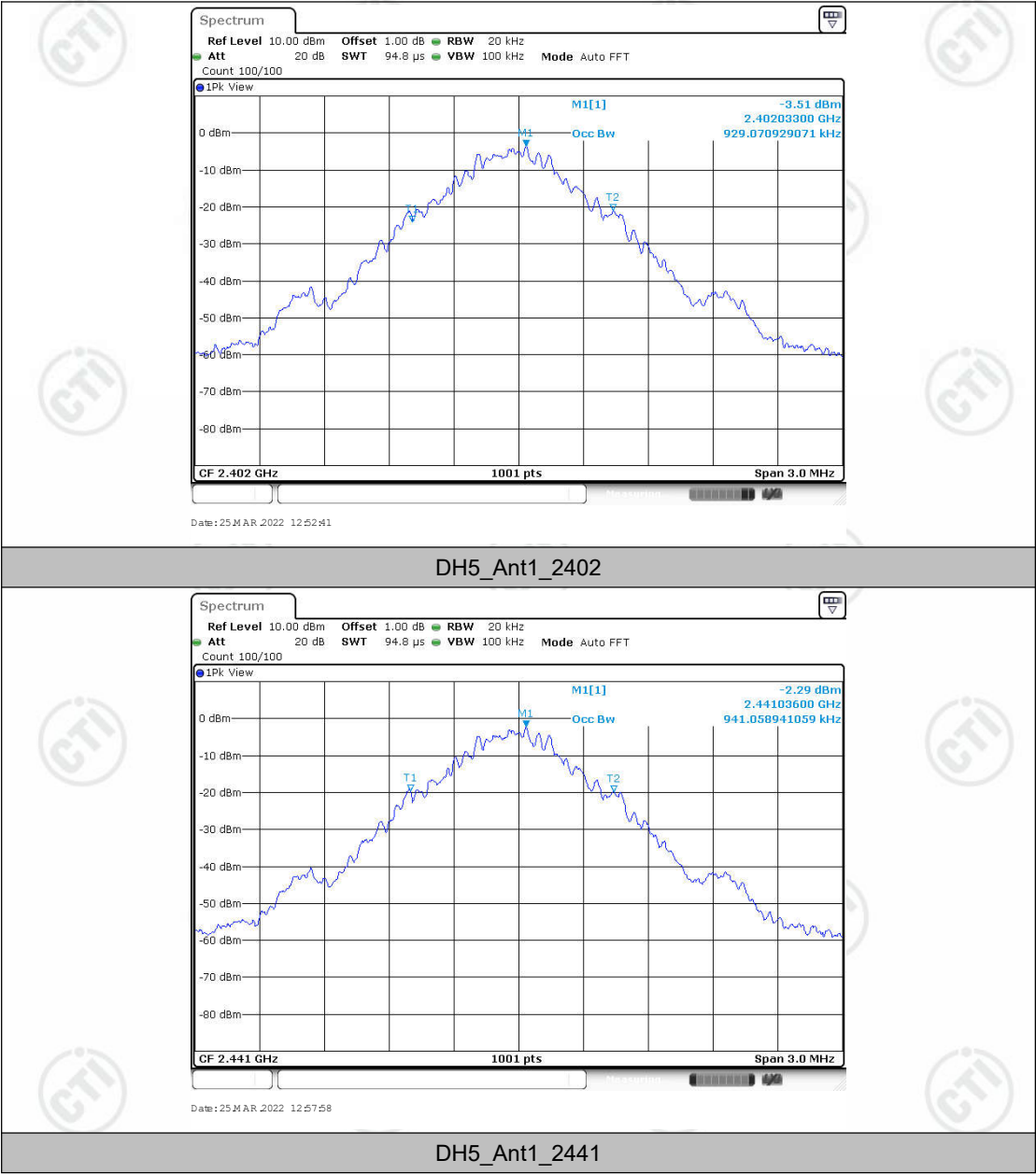


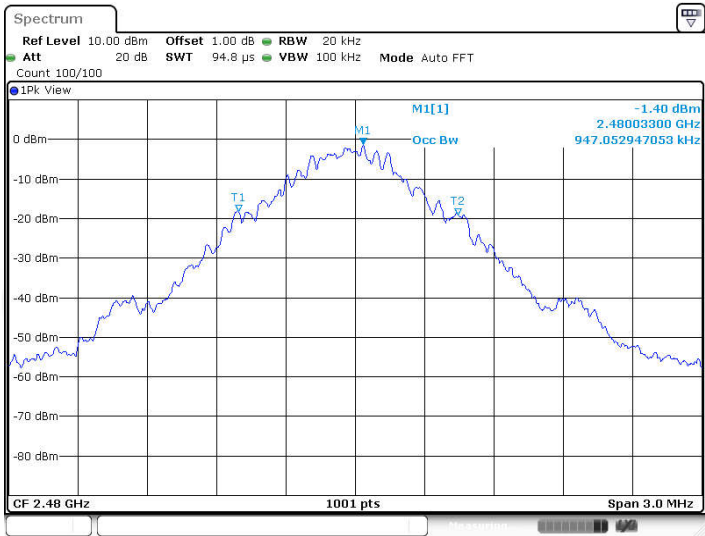
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.929	2401.508	2402.438	---	PASS
		2441	0.941	2440.500	2441.441	---	PASS
		2480	0.947	2479.497	2480.444	---	PASS
2DH5	Ant1	2402	1.202	2401.380	2402.581	---	PASS
		2441	1.211	2440.377	2441.587	---	PASS
		2480	1.217	2479.374	2480.590	---	PASS

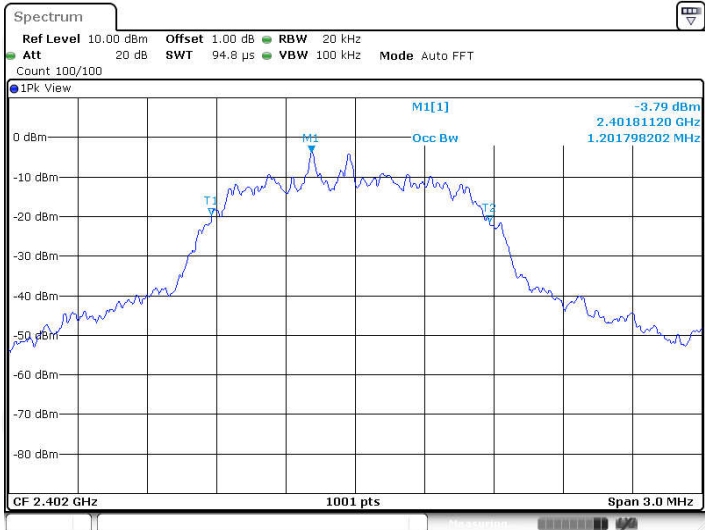
Test Graphs





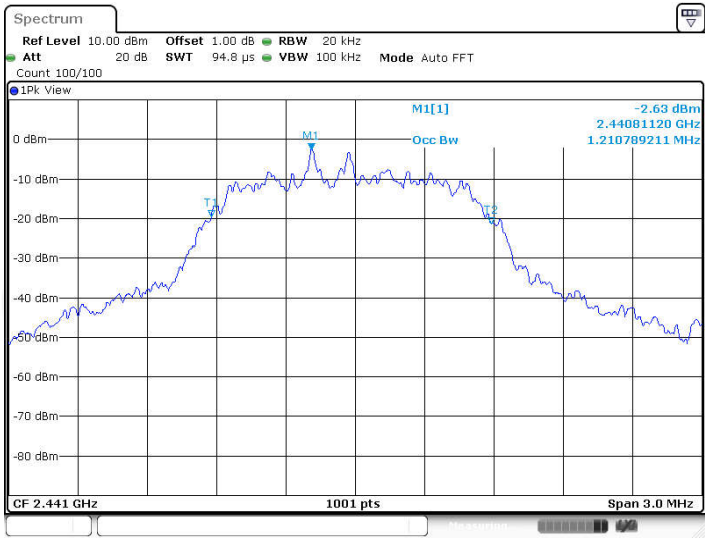
Date: 25 MAR 2022 12:59:38

DH5_Ant1_2480

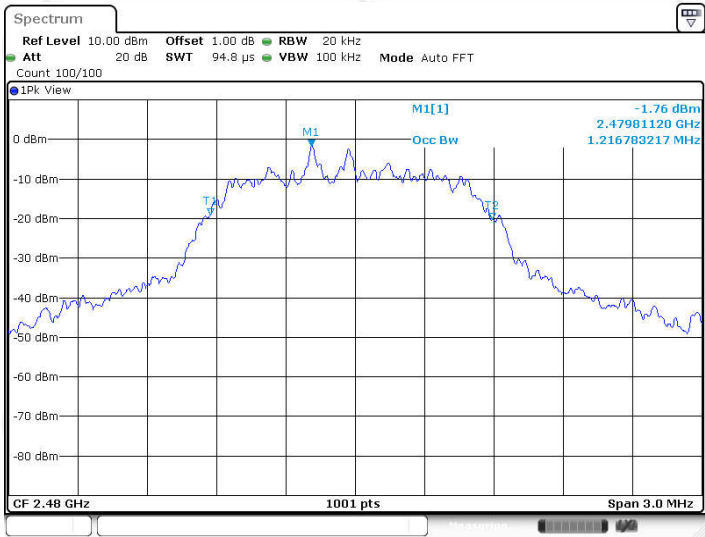


Date: 25 MAR 2022 13:03:20

2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

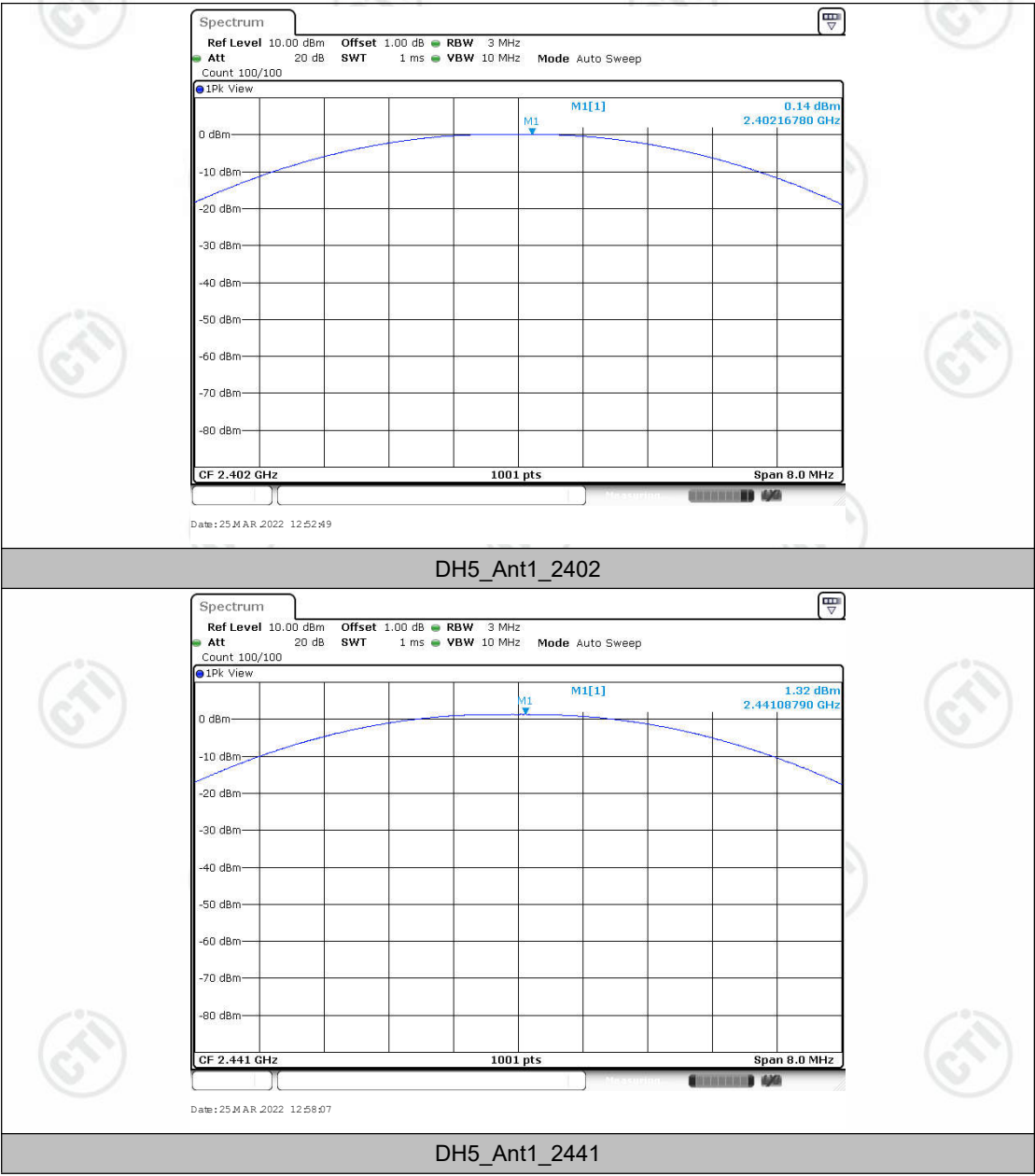


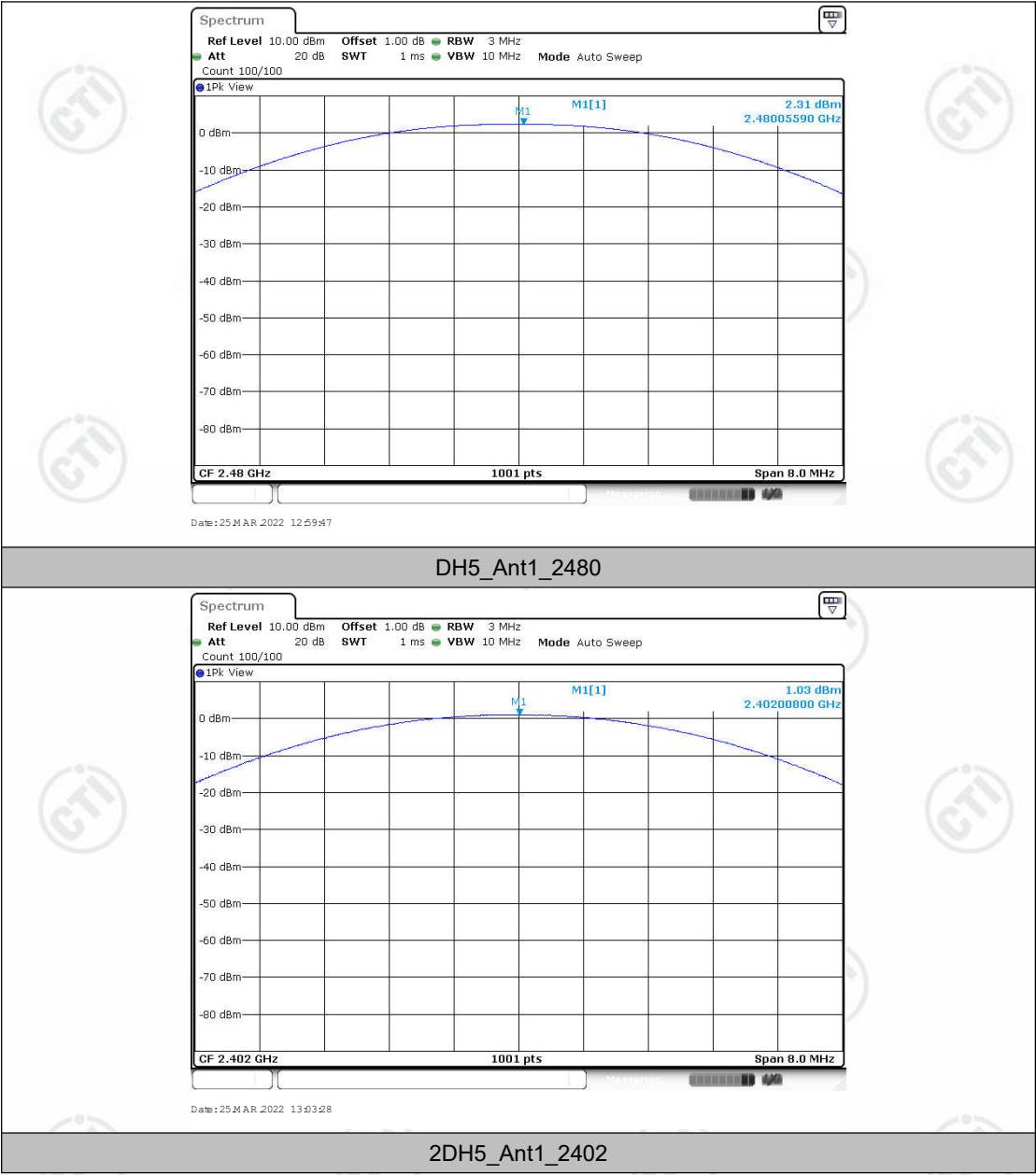
Appendix C: Maximum conducted output power

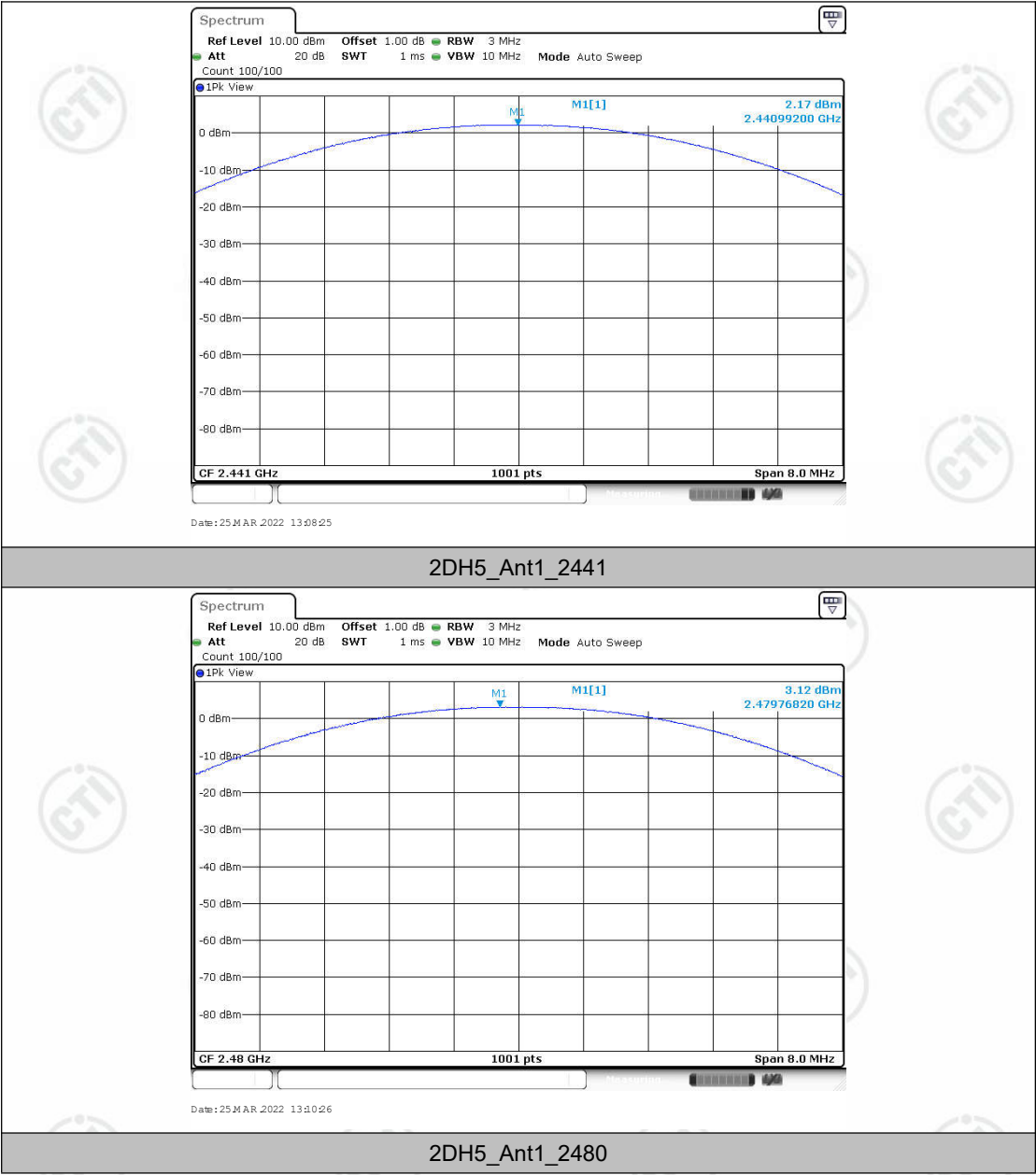
Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.14	<=20.97	PASS
		2441	1.32	<=20.97	PASS
		2480	2.31	<=20.97	PASS
2DH5	Ant1	2402	1.03	<=20.97	PASS
		2441	2.17	<=20.97	PASS
		2480	3.12	<=20.97	PASS

Test Graphs





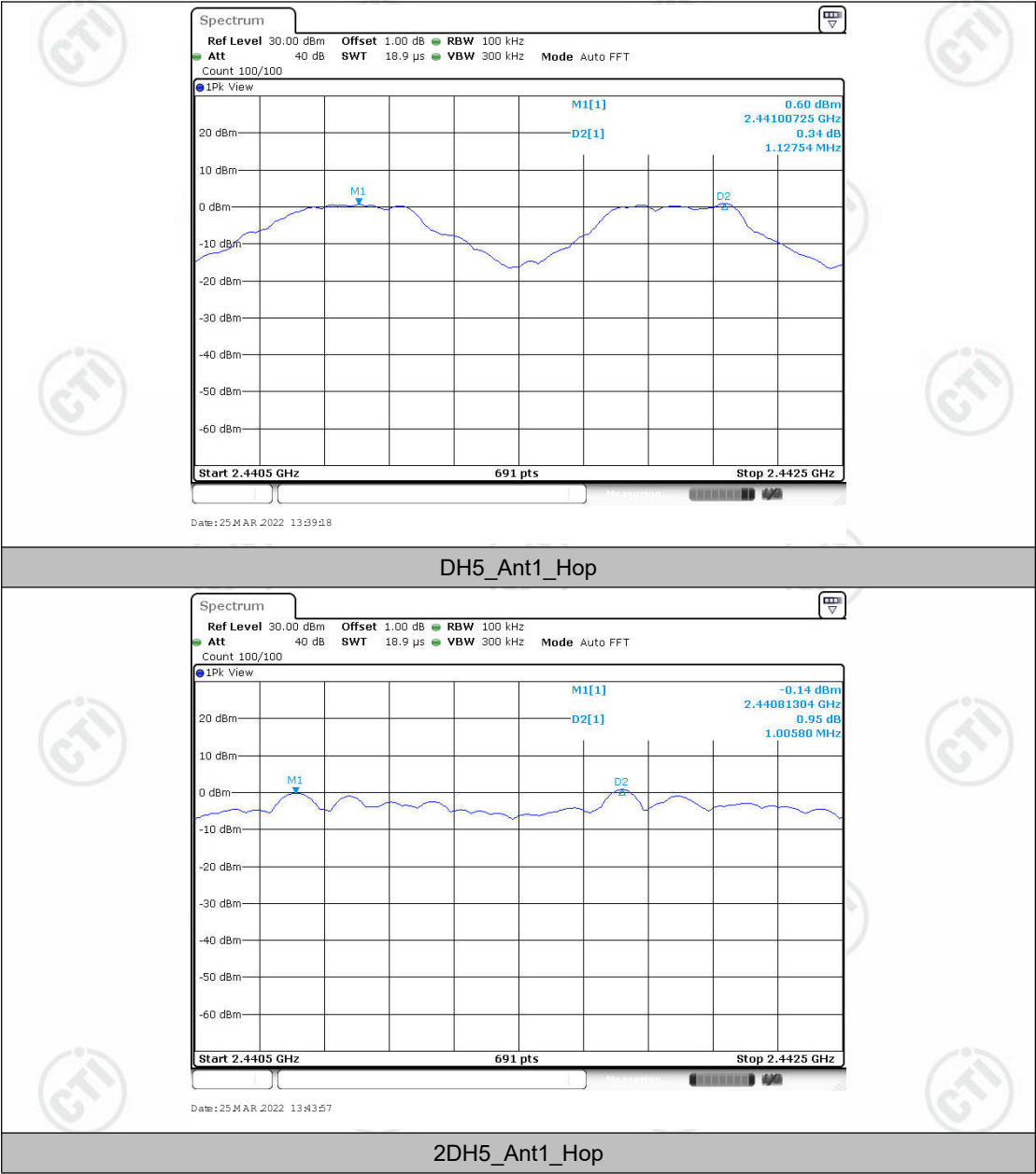


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.128	≥ 1.029	PASS
2DH5	Ant1	Hop	1.006	≥ 0.882	PASS

Test Graphs

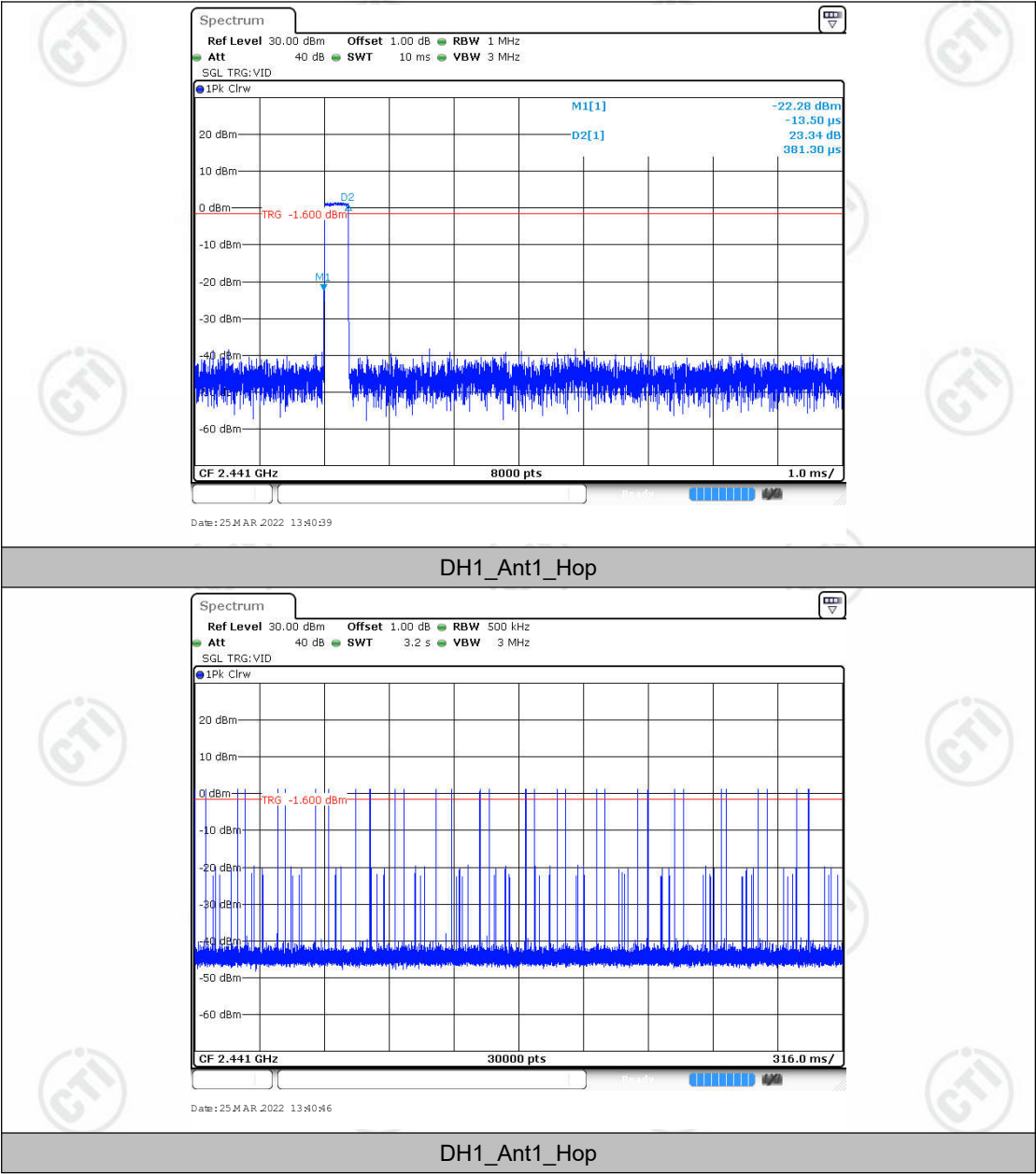


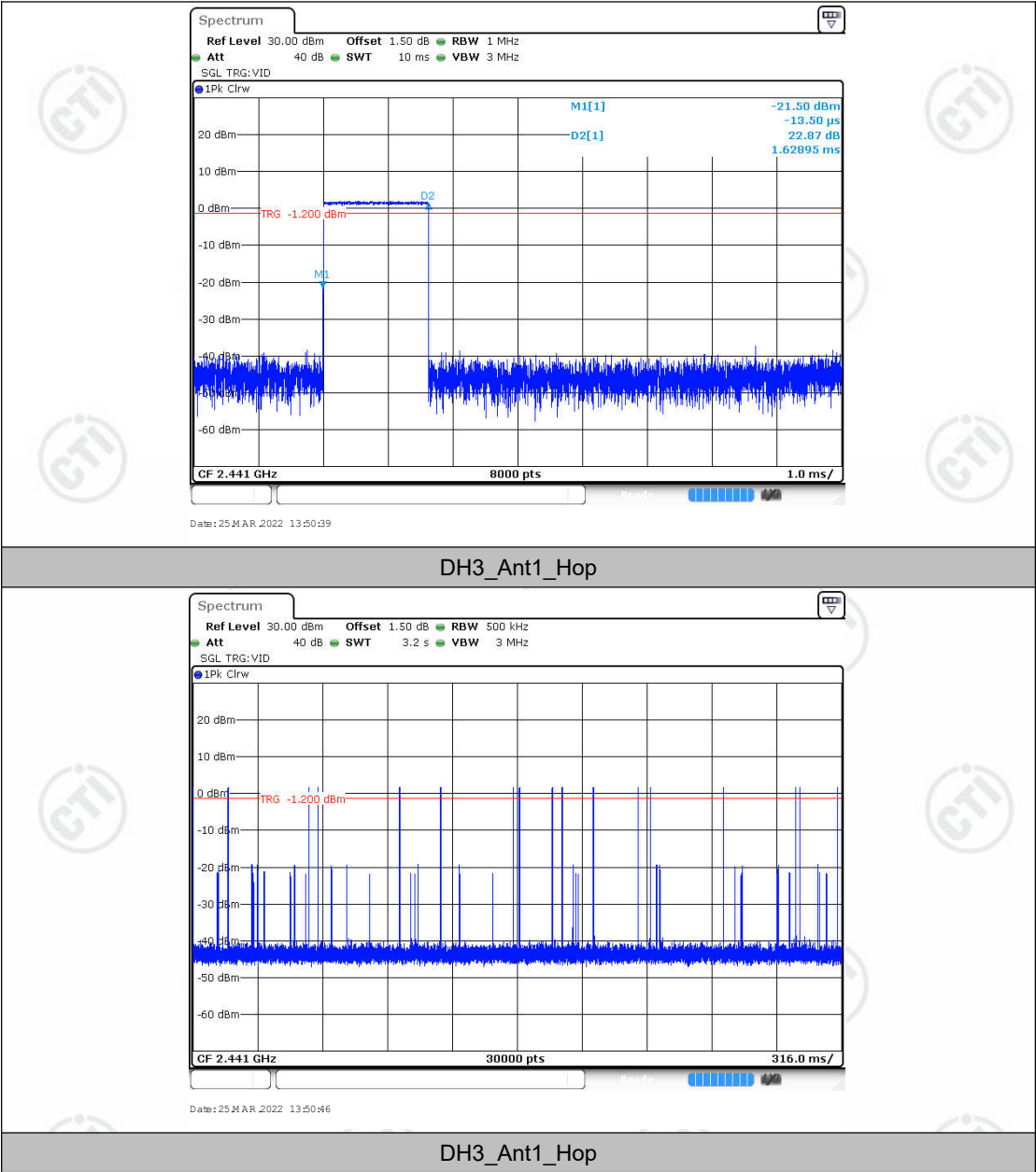
Appendix E: Time of occupancy

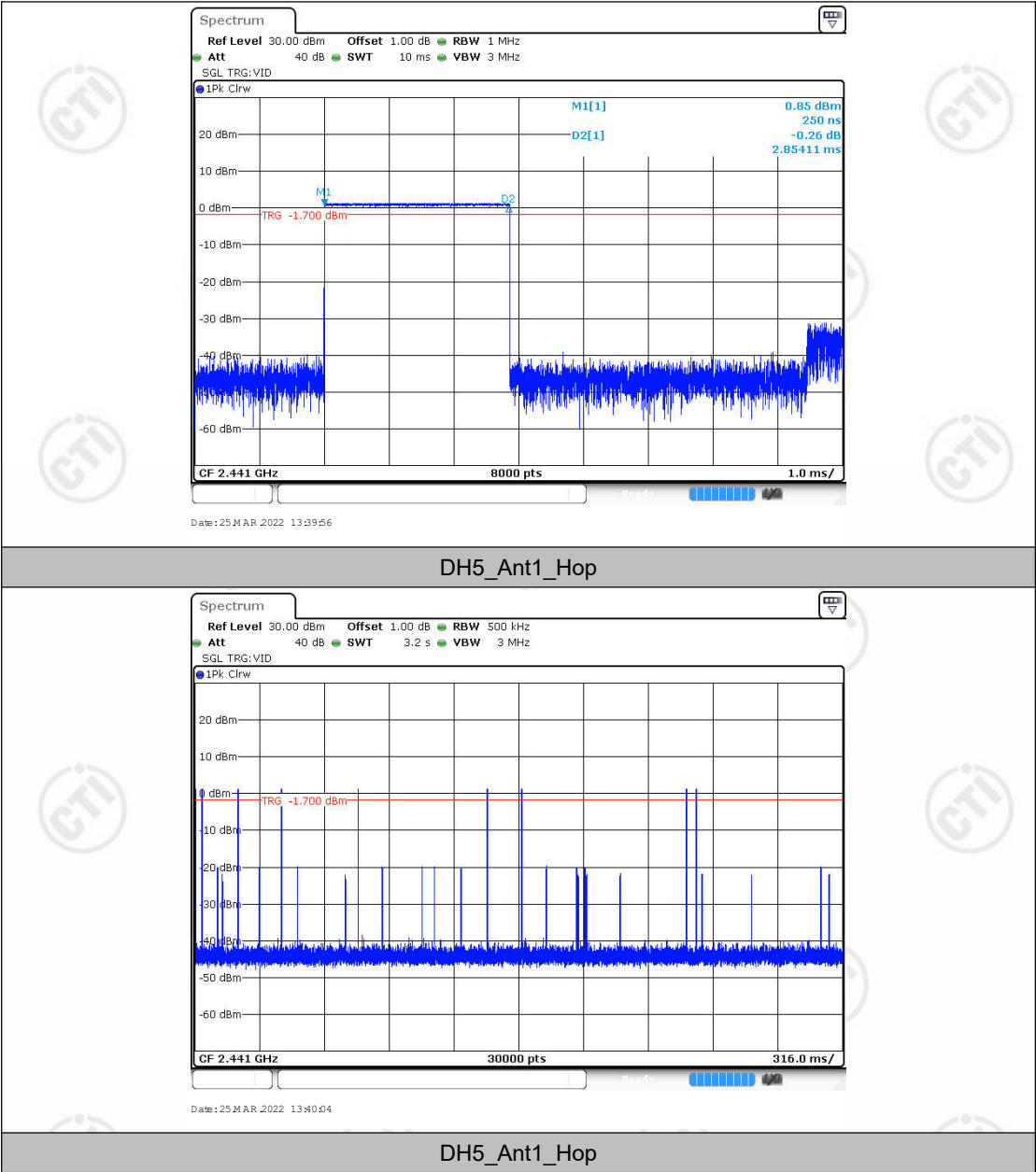
Test Result

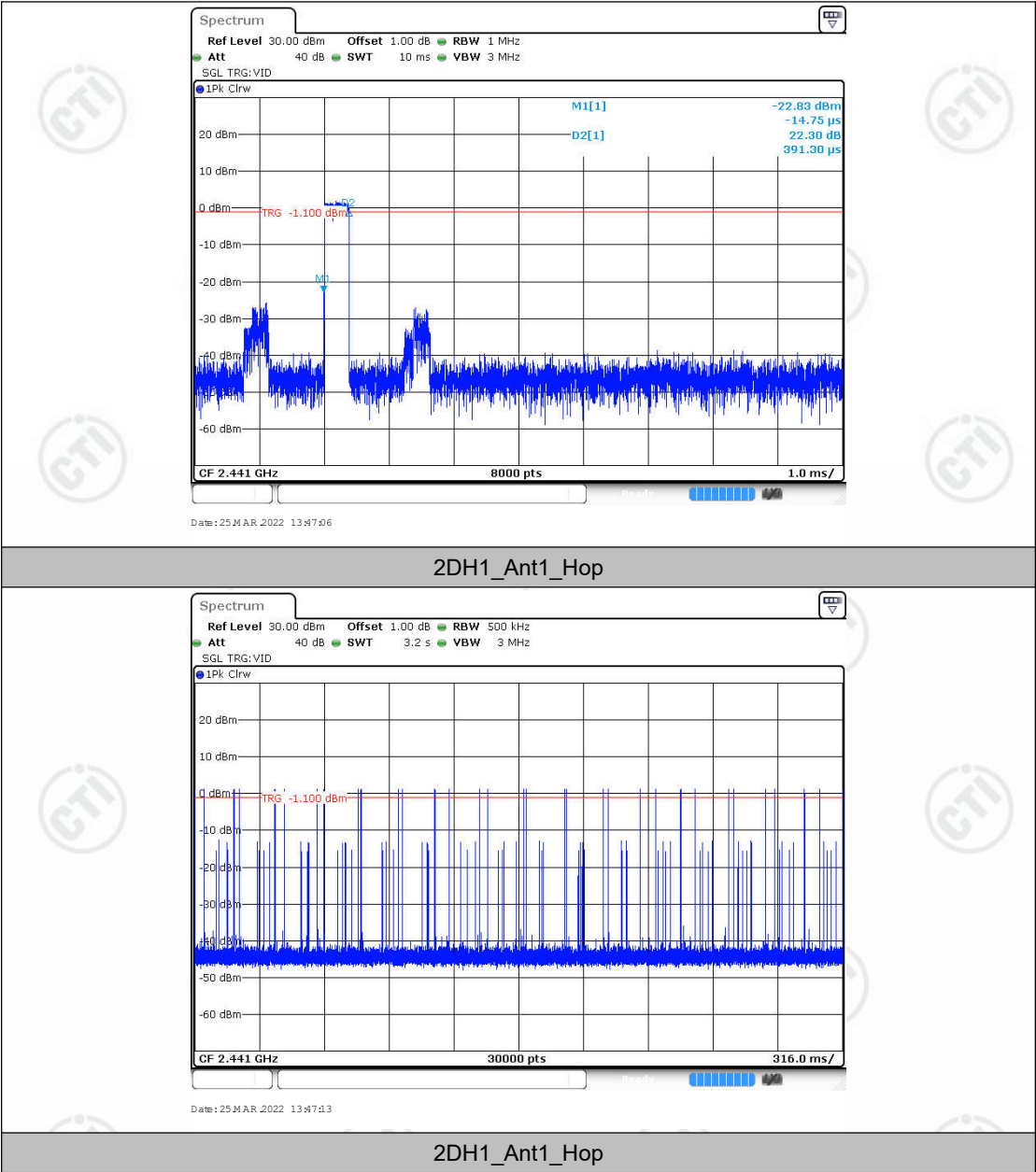
Test Mode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.122	<=0.4	PASS
DH3	Ant1	Hop	1.63	170	0.277	<=0.4	PASS
DH5	Ant1	Hop	2.85	90	0.257	<=0.4	PASS
2DH1	Ant1	Hop	0.39	320	0.125	<=0.4	PASS
2DH3	Ant1	Hop	1.63	150	0.245	<=0.4	PASS
2DH5	Ant1	Hop	2.88	100	0.288	<=0.4	PASS

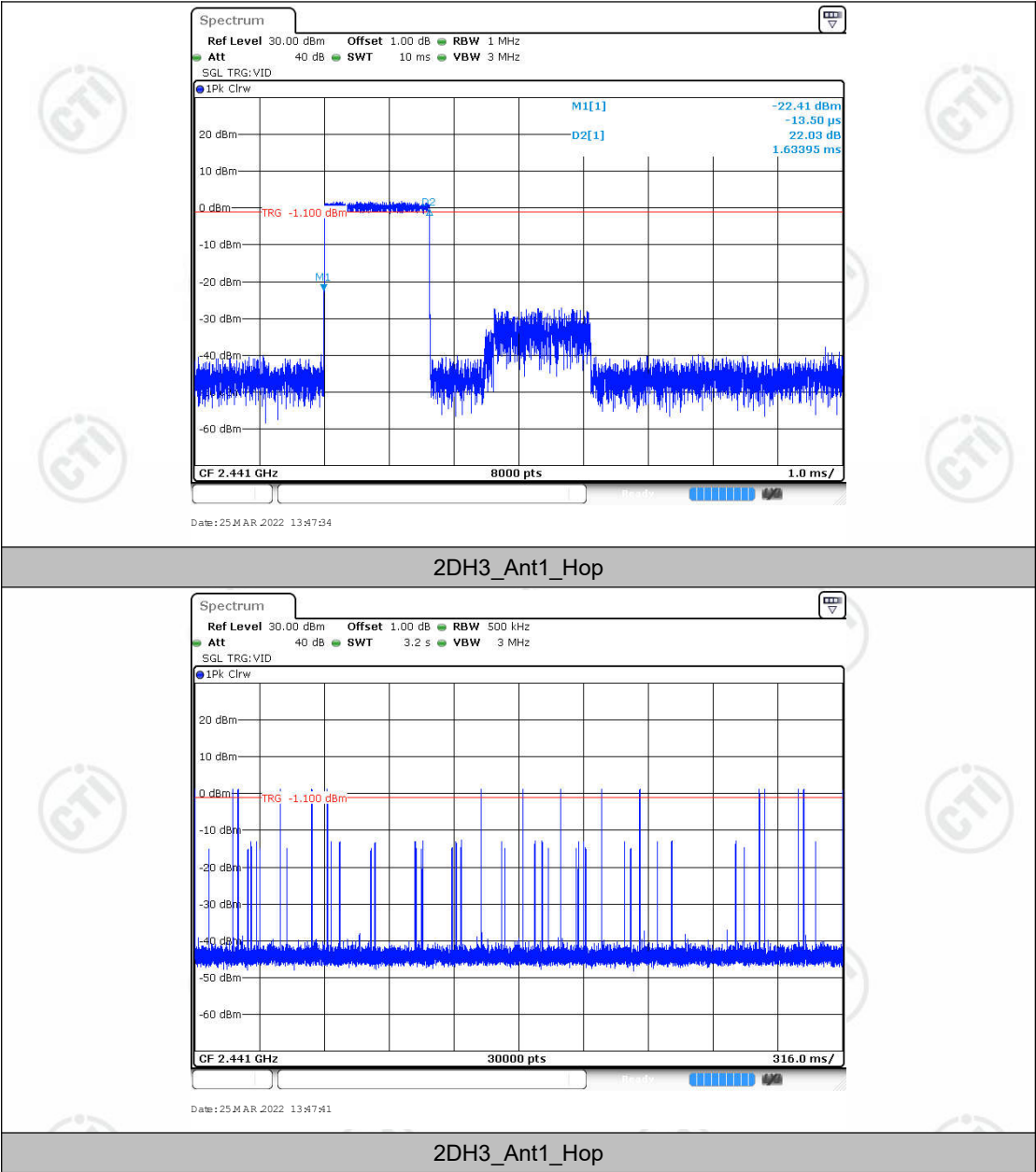
Test Graphs

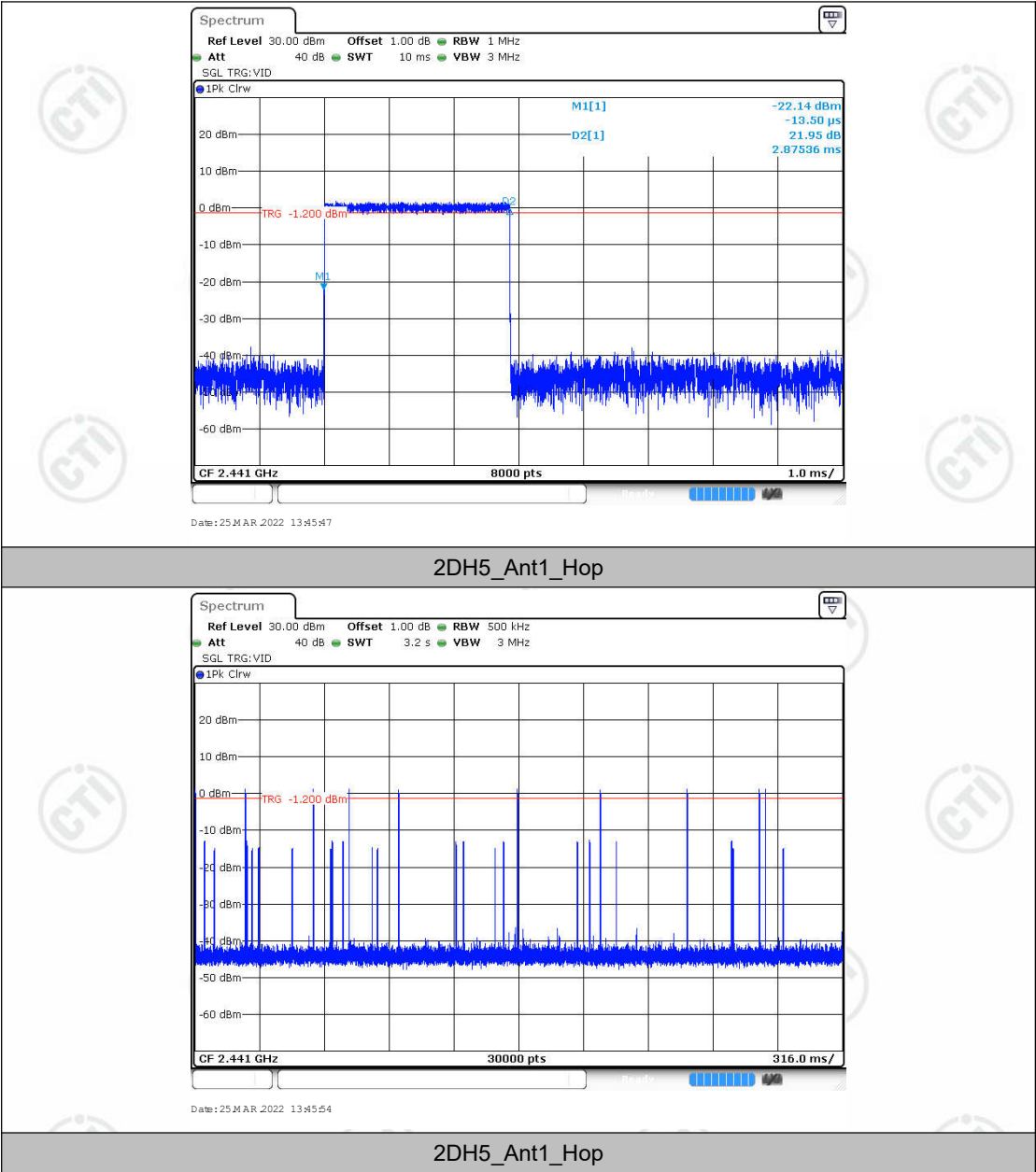










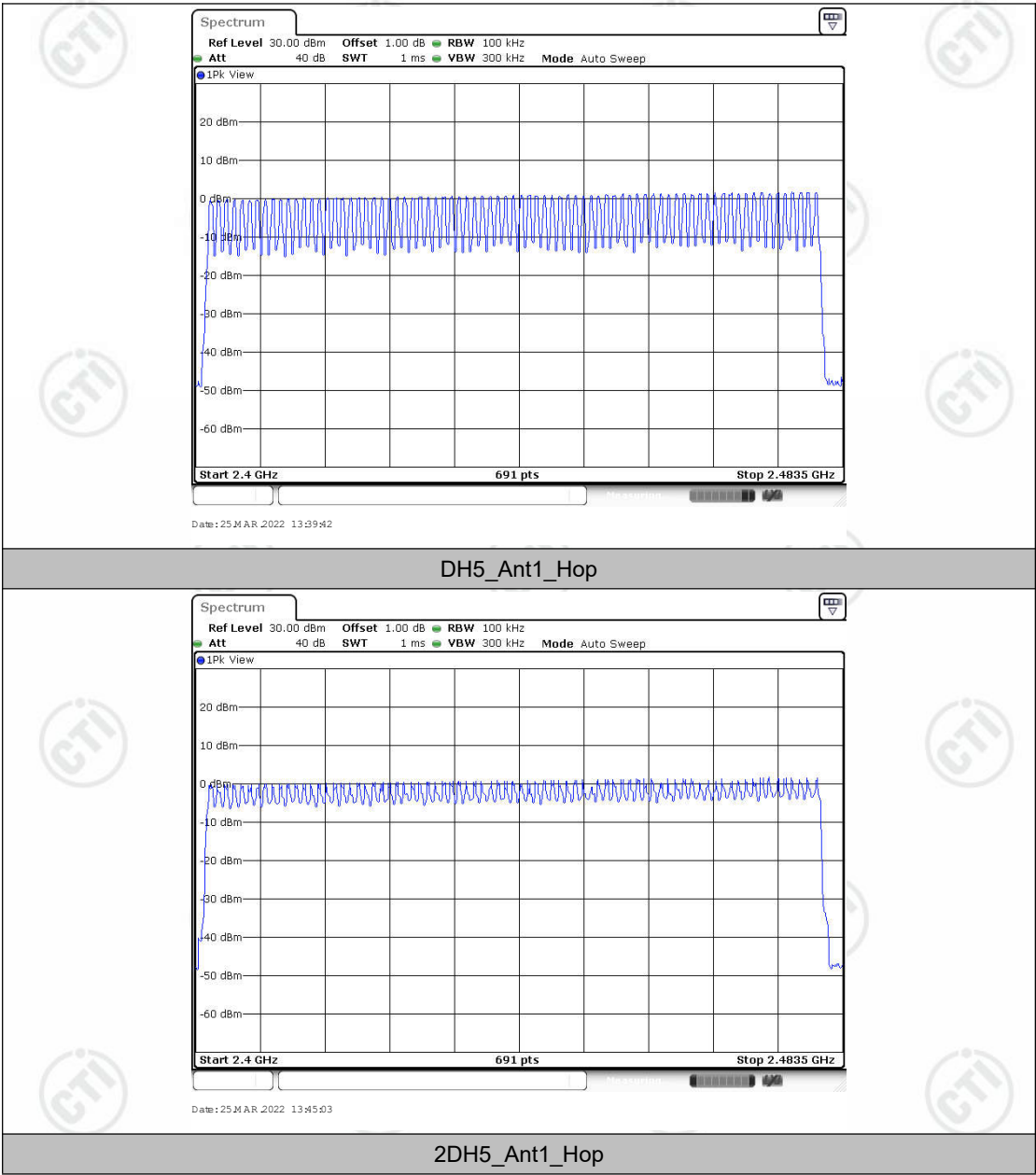


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	>=15	PASS
2DH5	Ant1	Hop	79	>=15	PASS

Test Graphs

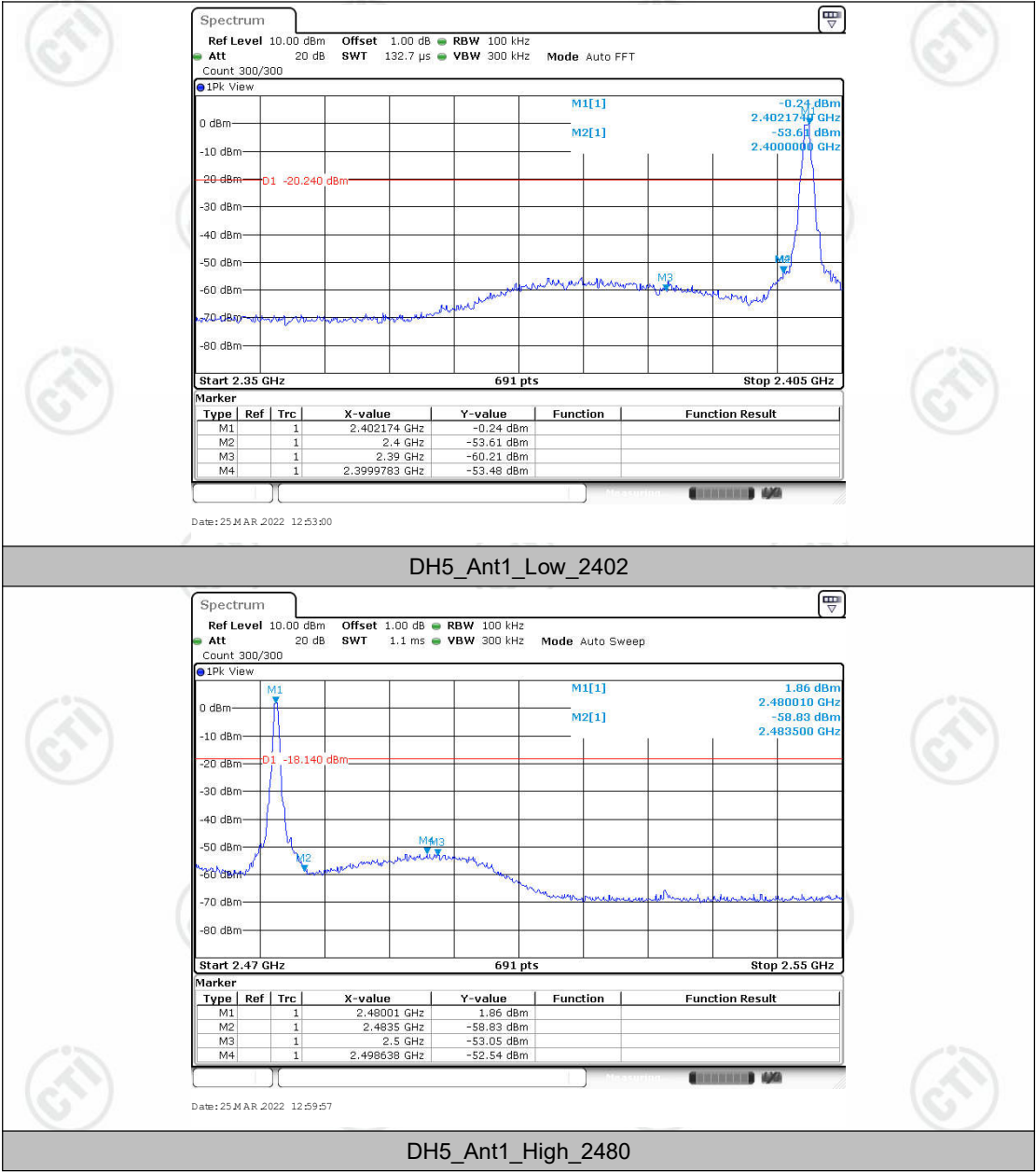


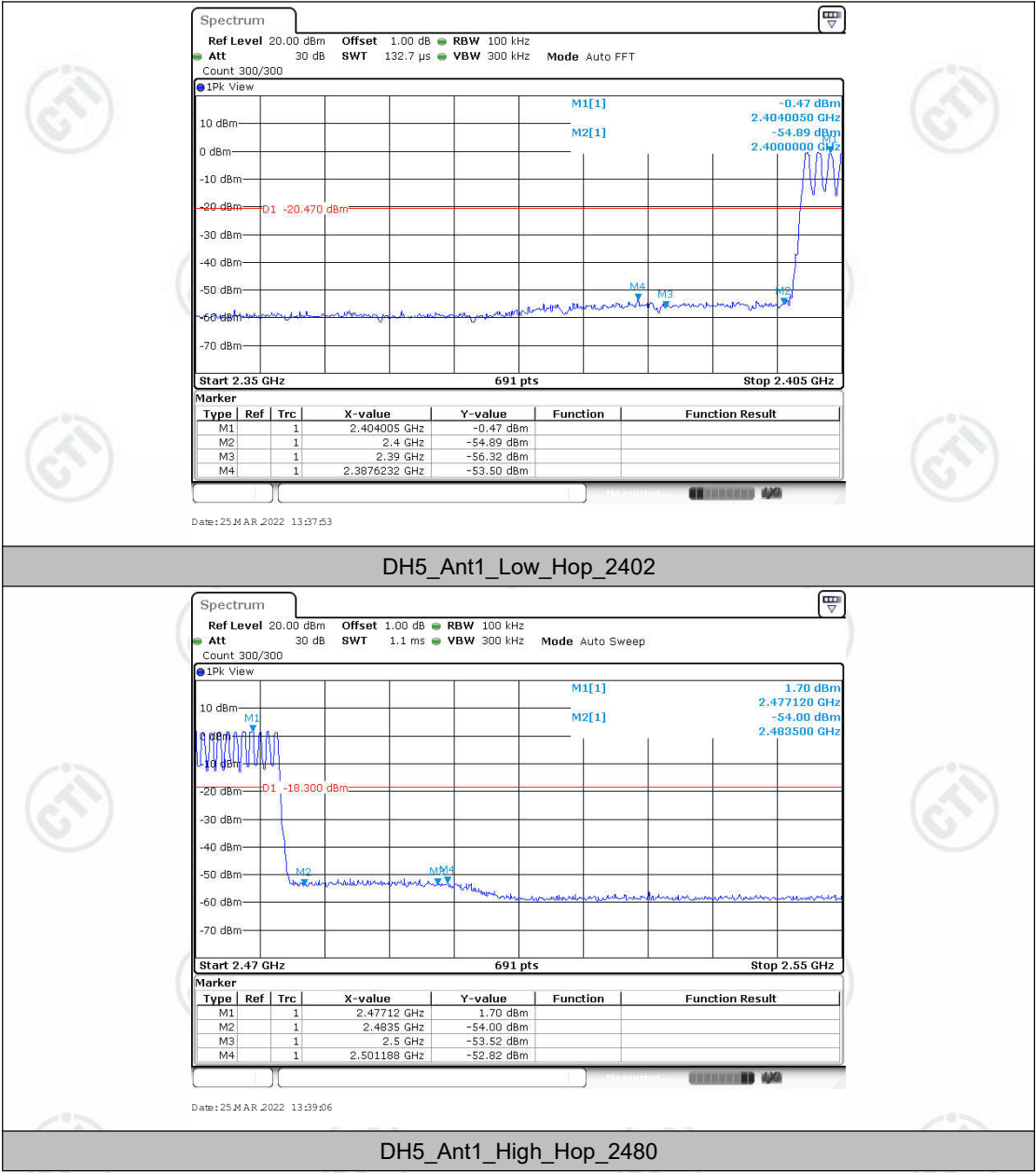
Appendix G: Band edge measurements

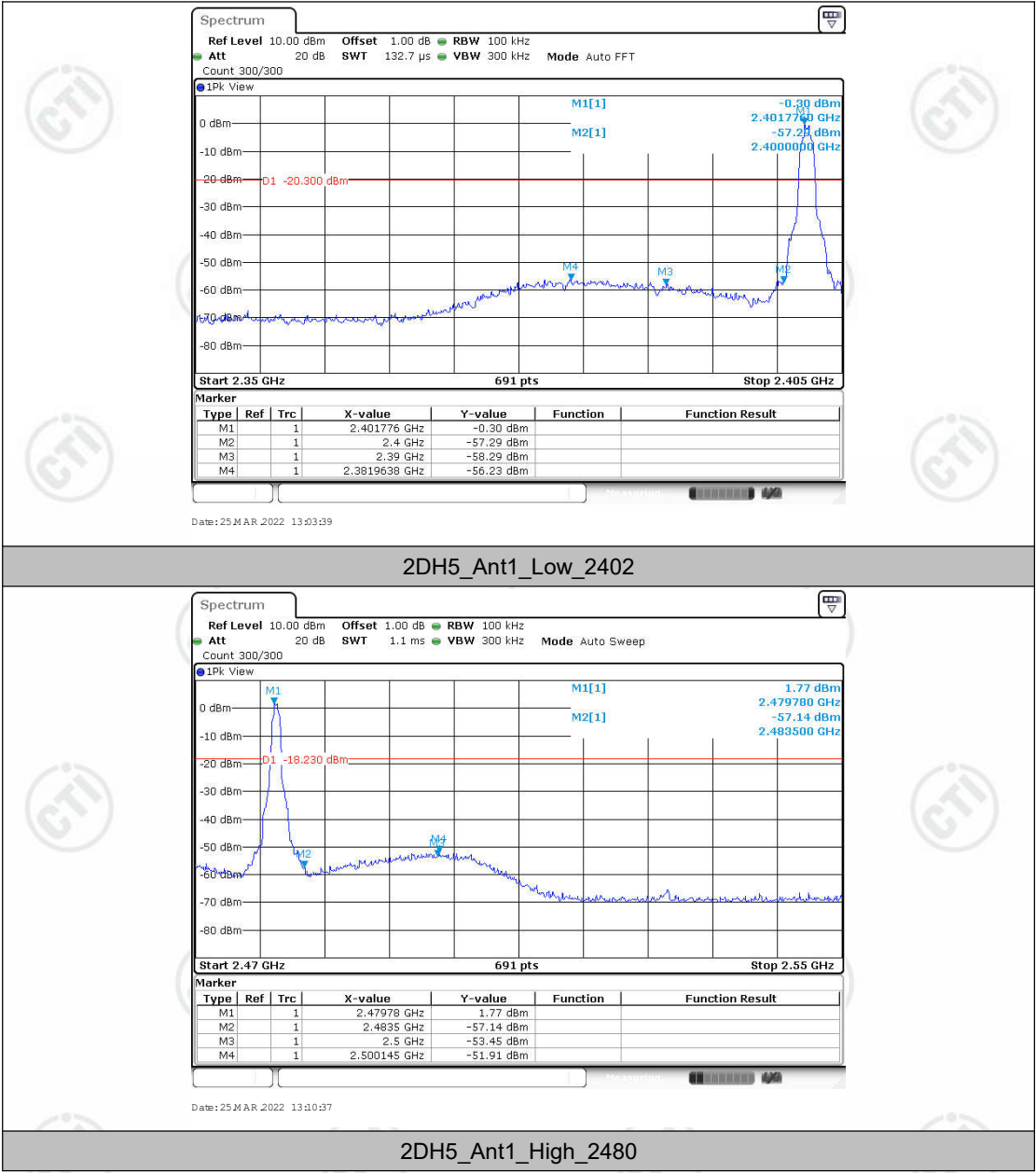
Test Result

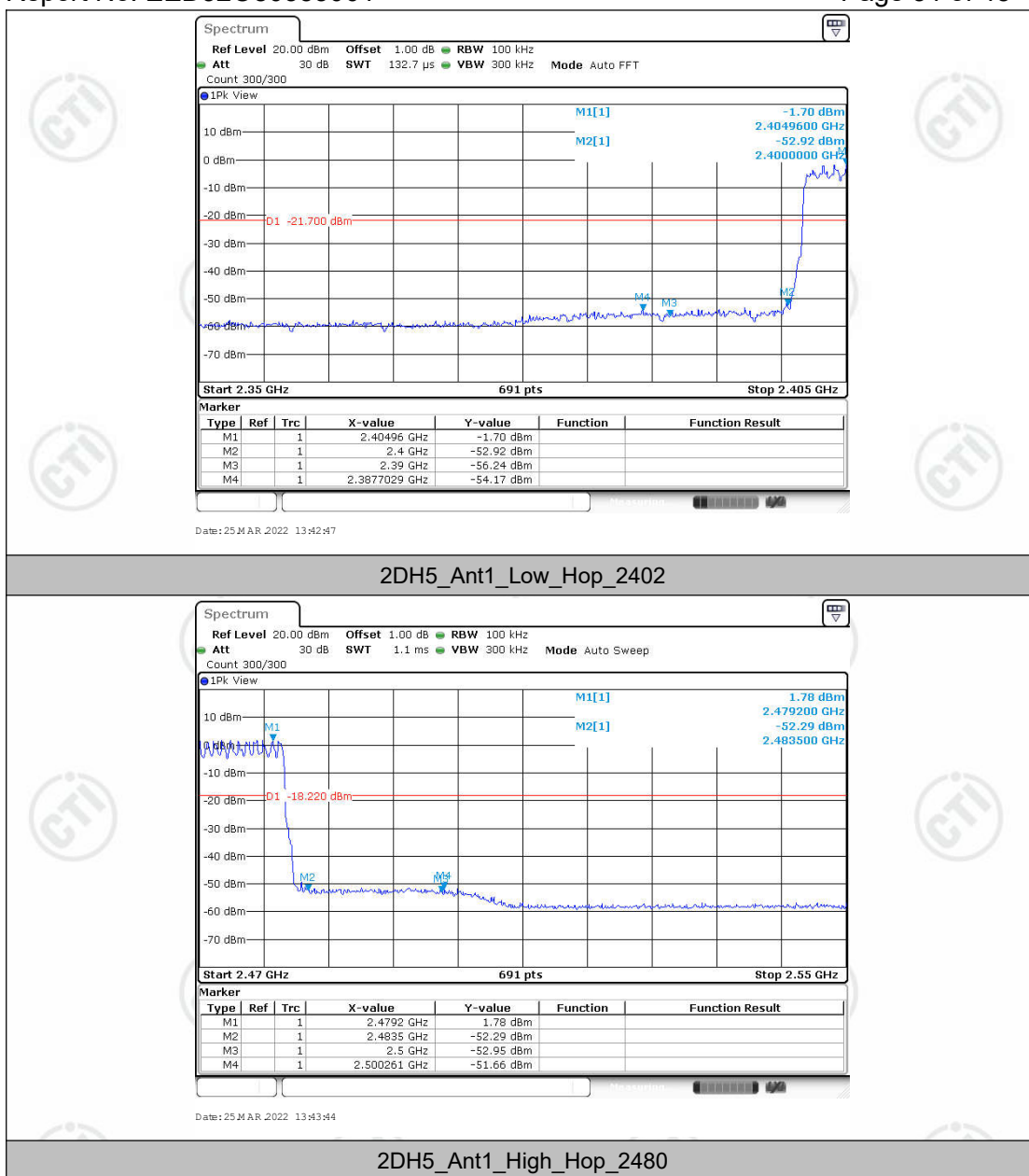
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.24	-53.48	<=-20.24	PASS
		High	2480	1.86	-52.54	<=-18.14	PASS
		Low	Hop_2402	-0.47	-53.5	<=-20.47	PASS
		High	Hop_2480	1.70	-52.82	<=-18.3	PASS
2DH5	Ant1	Low	2402	-0.30	-56.23	<=-20.3	PASS
		High	2480	1.77	-51.91	<=-18.23	PASS
		Low	Hop_2402	-1.70	-54.17	<=-21.7	PASS
		High	Hop_2480	1.78	-51.66	<=-18.22	PASS

Test Graphs







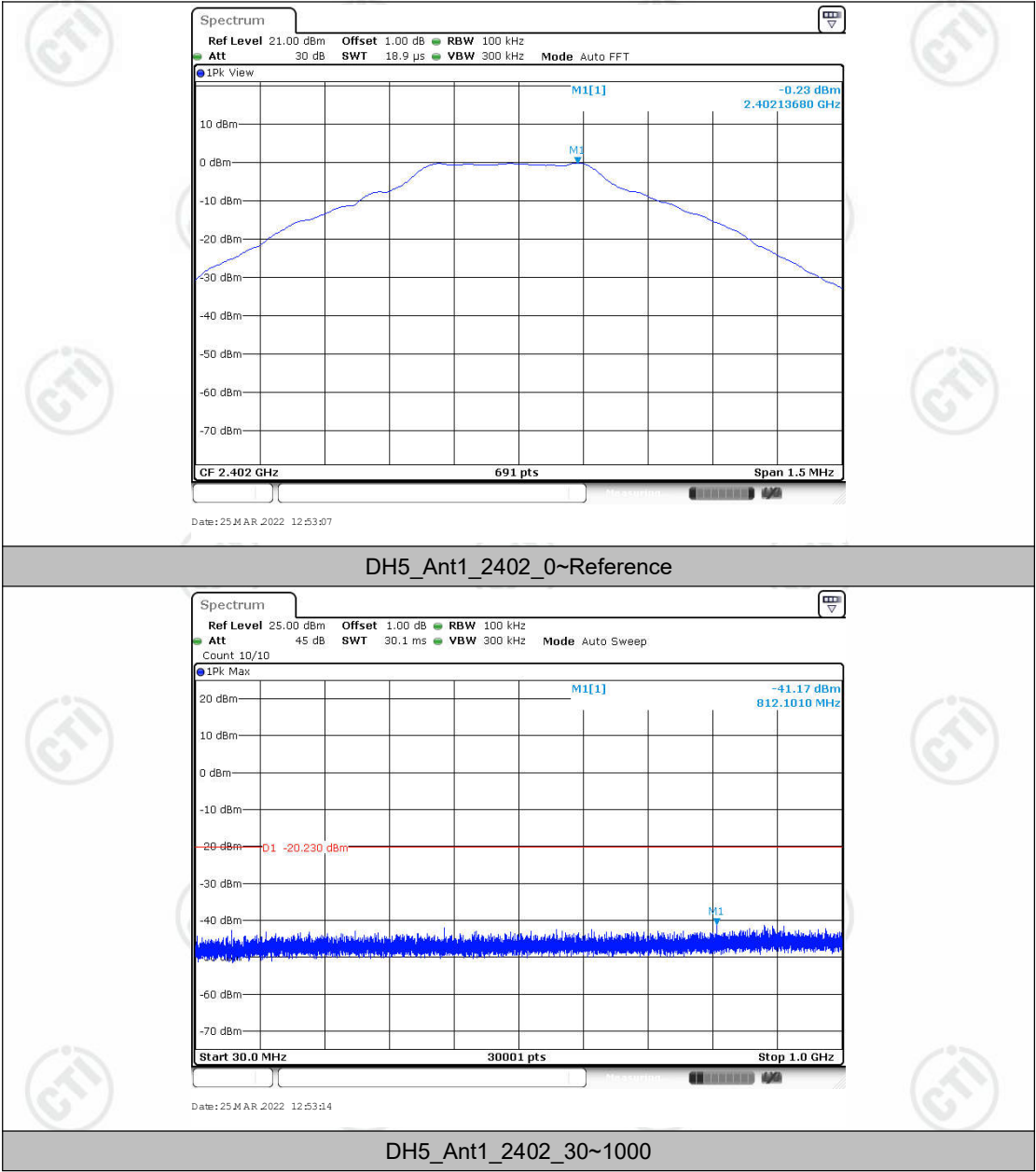


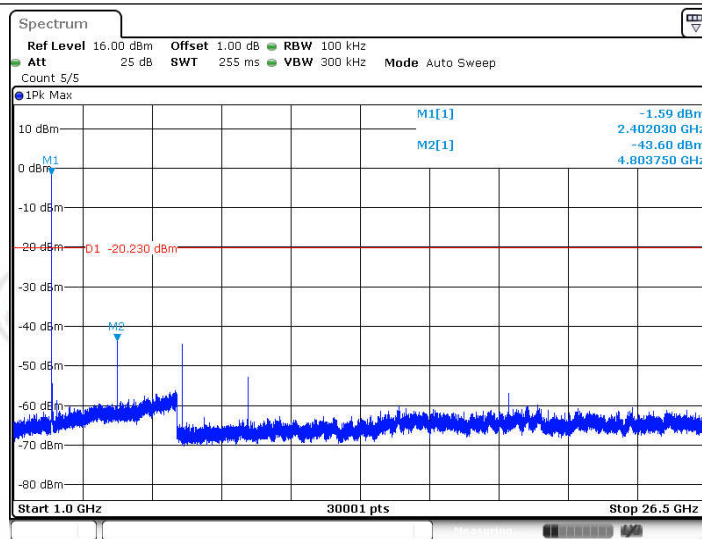
Appendix H: Conducted Spurious Emission

Test Result

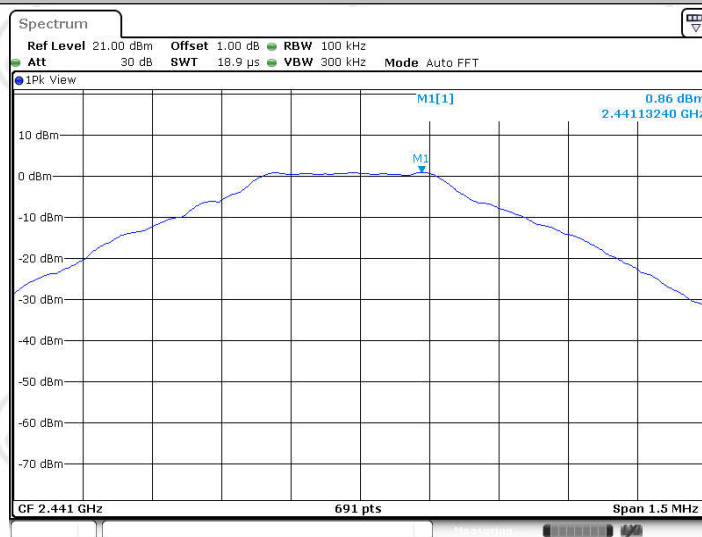
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-41.17	<=-20.23	PASS
			1000~26500	-0.23	-43.6	<=-20.23	PASS
		2441	Reference	0.86	0.86	---	PASS
			30~1000	0.86	-36.62	<=-19.14	PASS
			1000~26500	0.86	-44.77	<=-19.14	PASS
		2480	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-35.03	<=-18.15	PASS
			1000~26500	1.85	-43.73	<=-18.15	PASS
2DH5	Ant1	2402	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-41.58	<=-20.22	PASS
			1000~26500	-0.22	-47.31	<=-20.22	PASS
		2441	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-41.63	<=-19.12	PASS
			1000~26500	0.88	-46.62	<=-19.12	PASS
		2480	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-41.27	<=-18.14	PASS
			1000~26500	1.86	-46.76	<=-18.14	PASS

Test Graphs

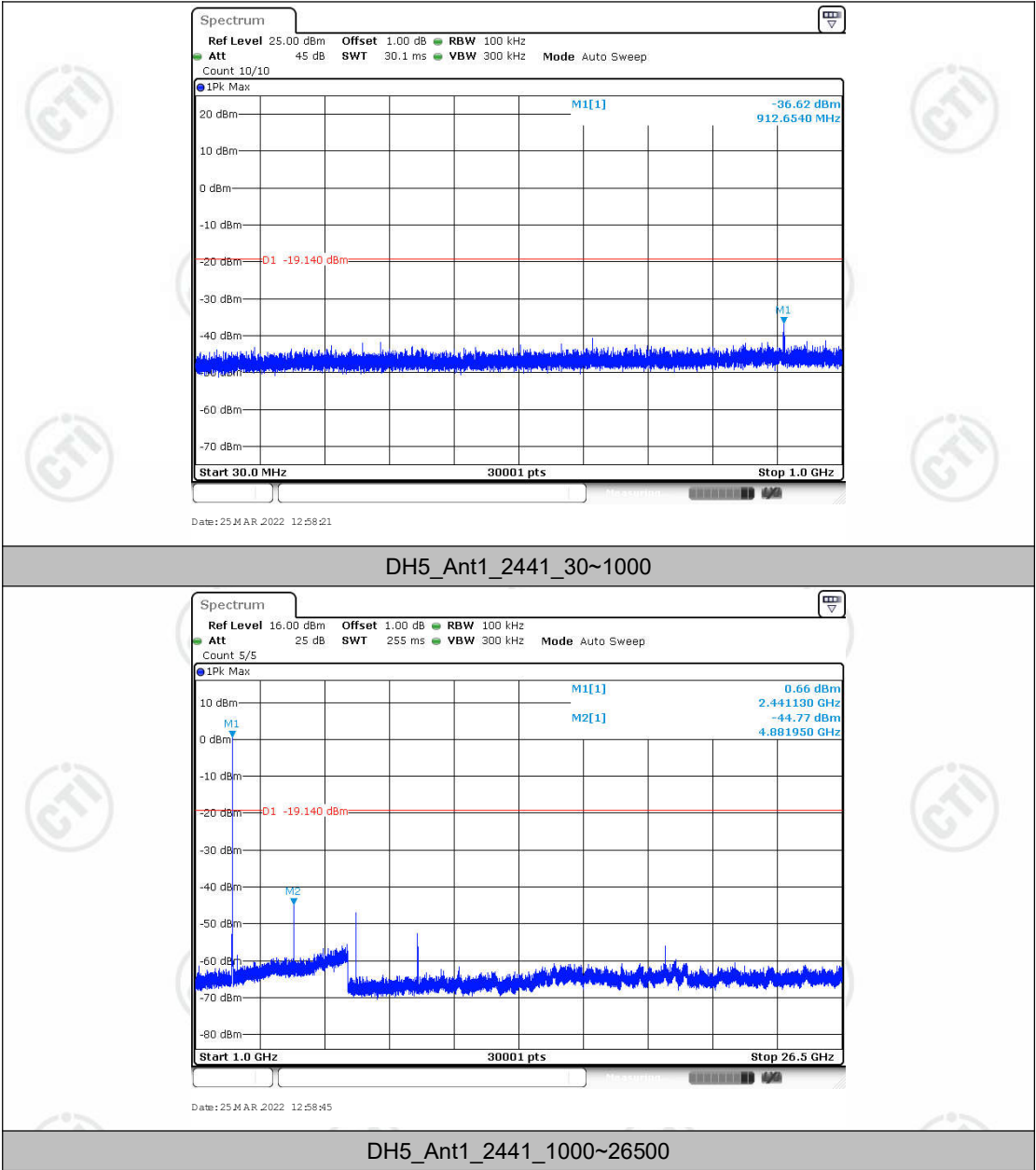


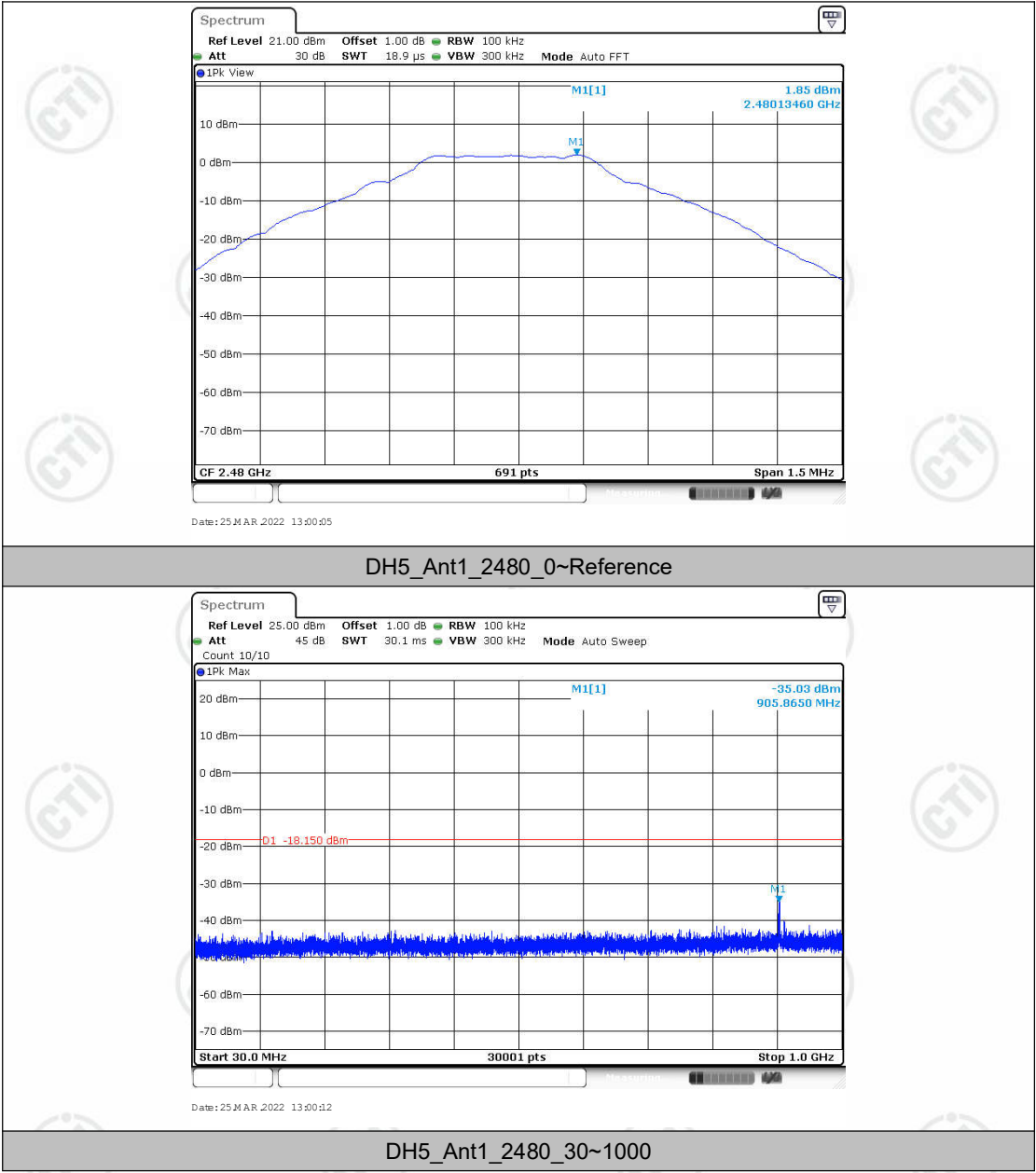


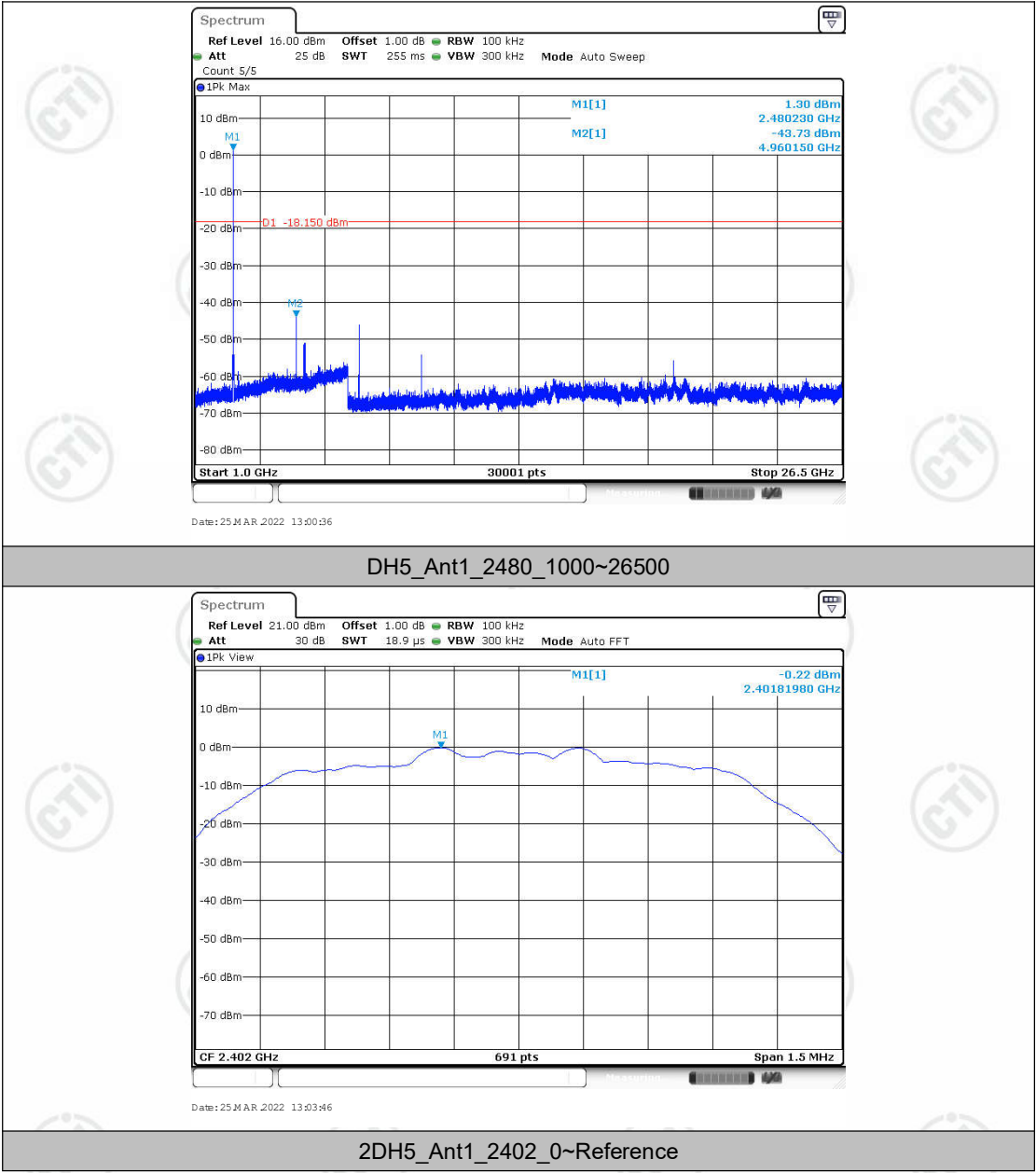
DH5_Ant1_2402_1000~26500

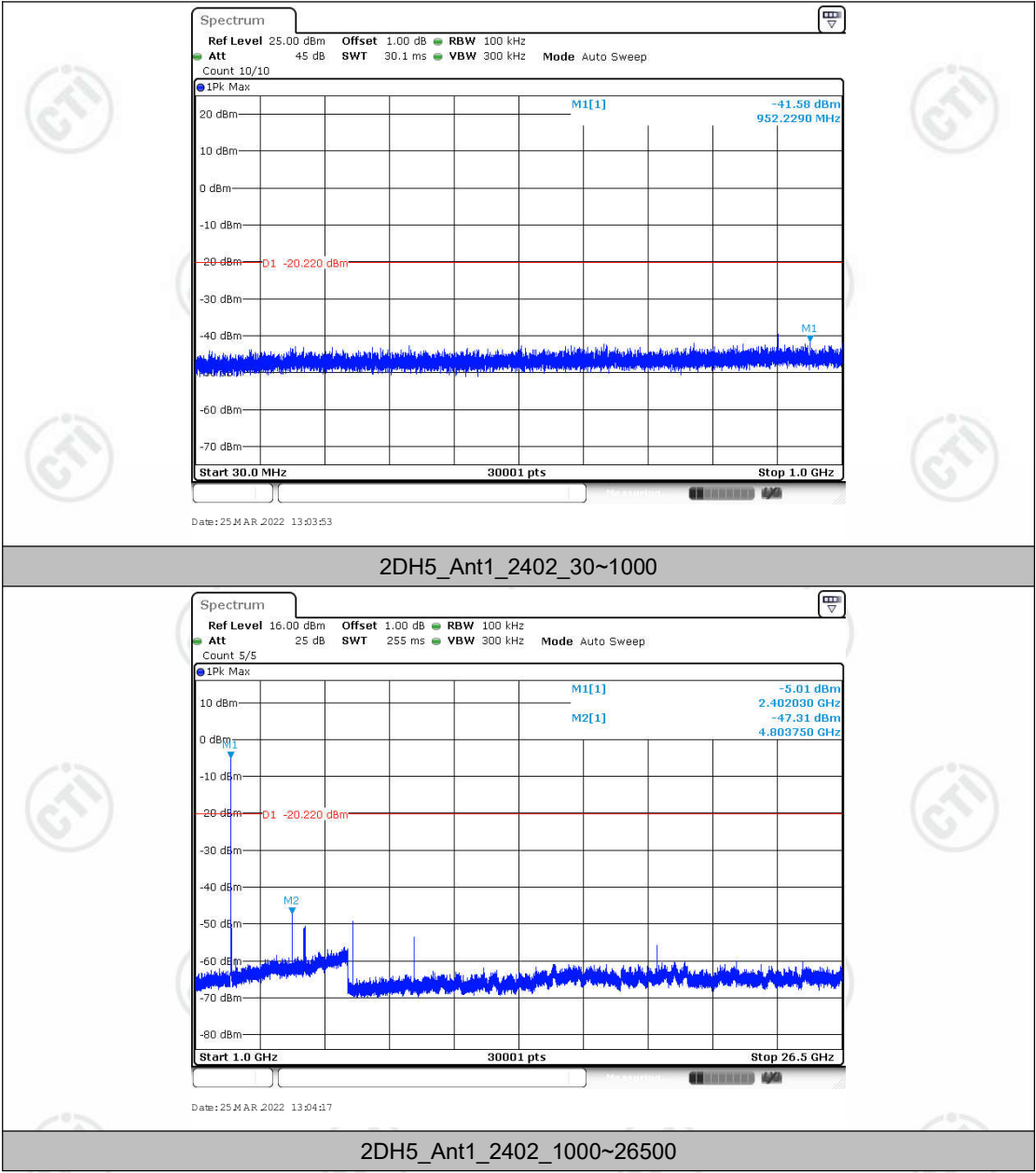


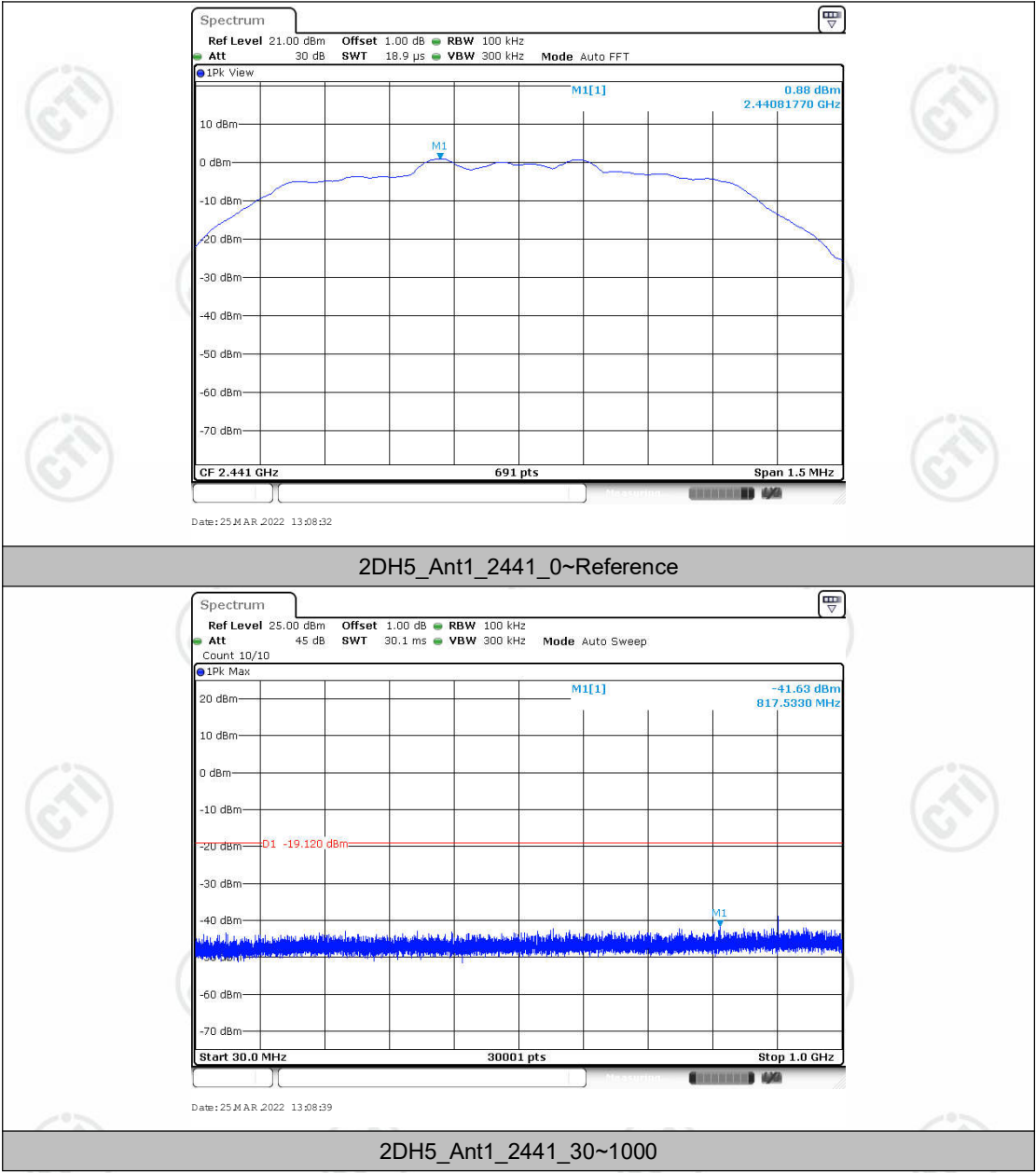
DH5_Ant1_2441_0~Reference

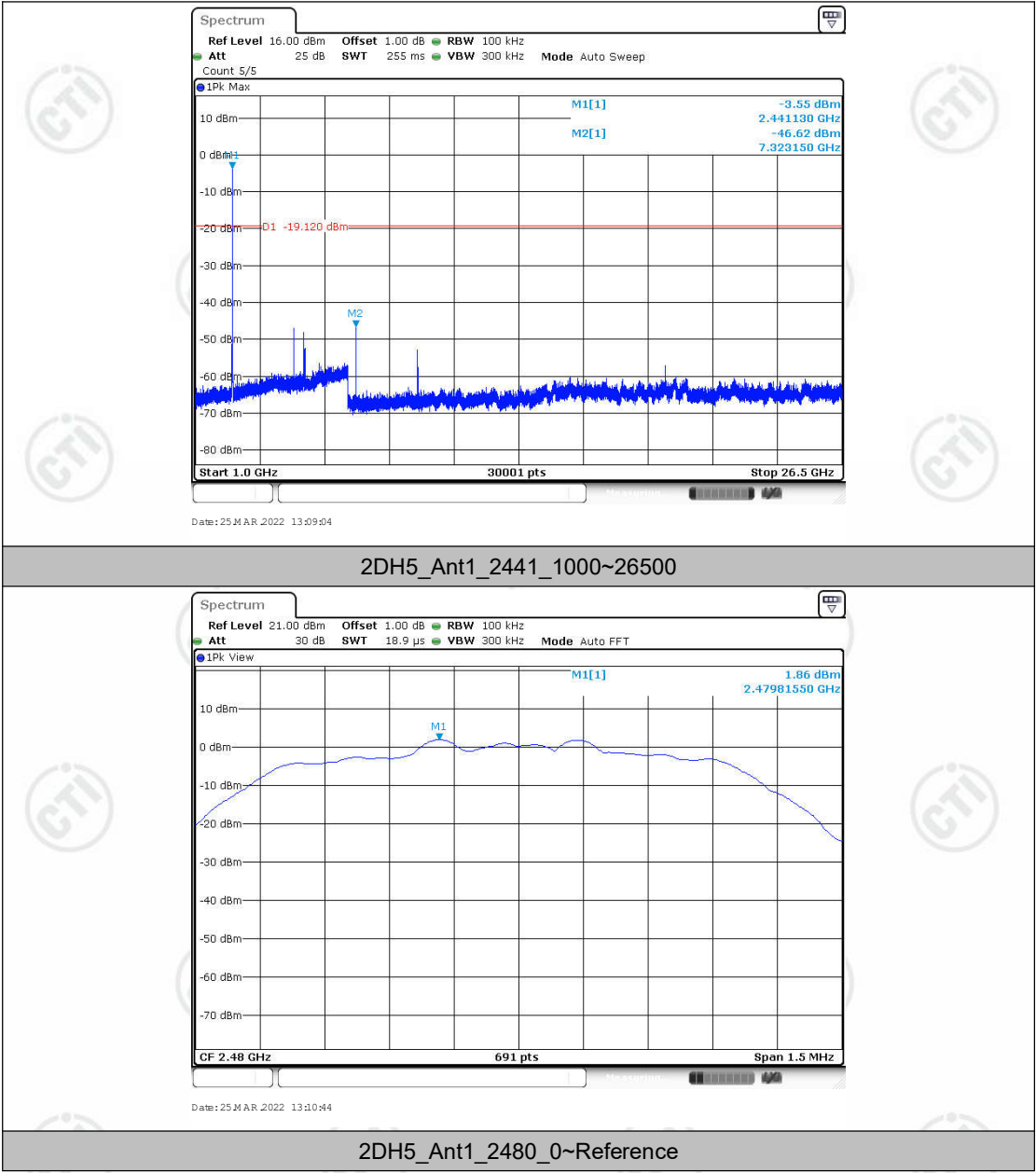


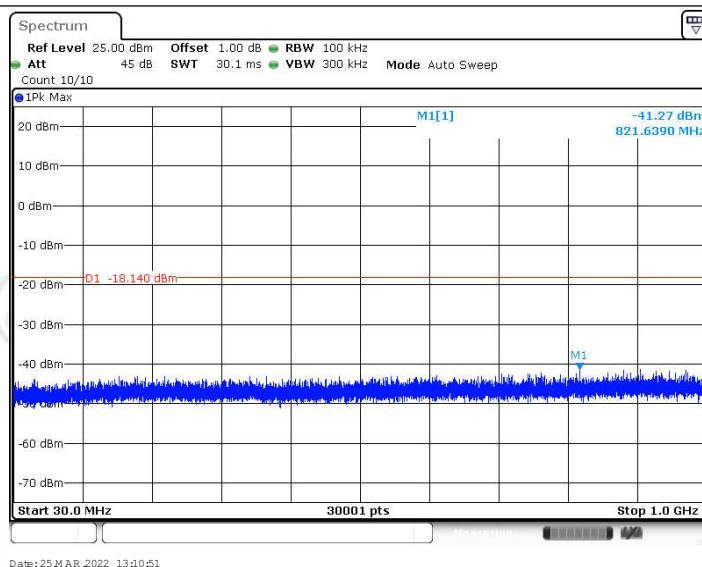




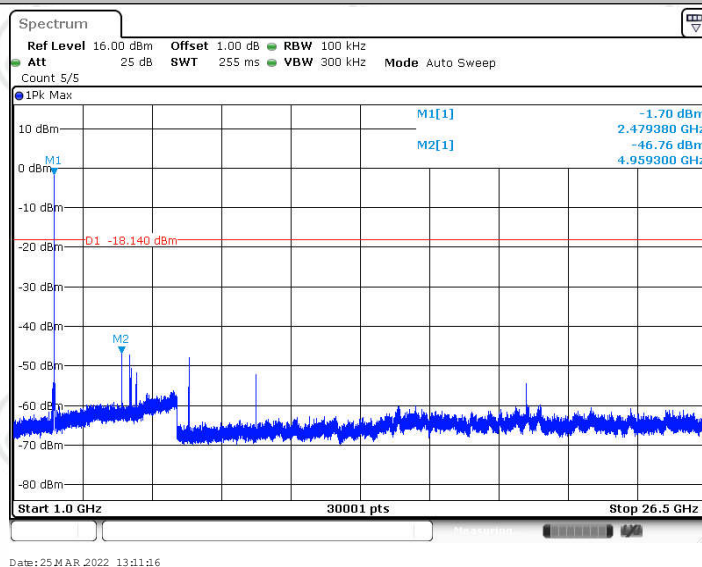








2DH5_Ant1_2480_30~1000



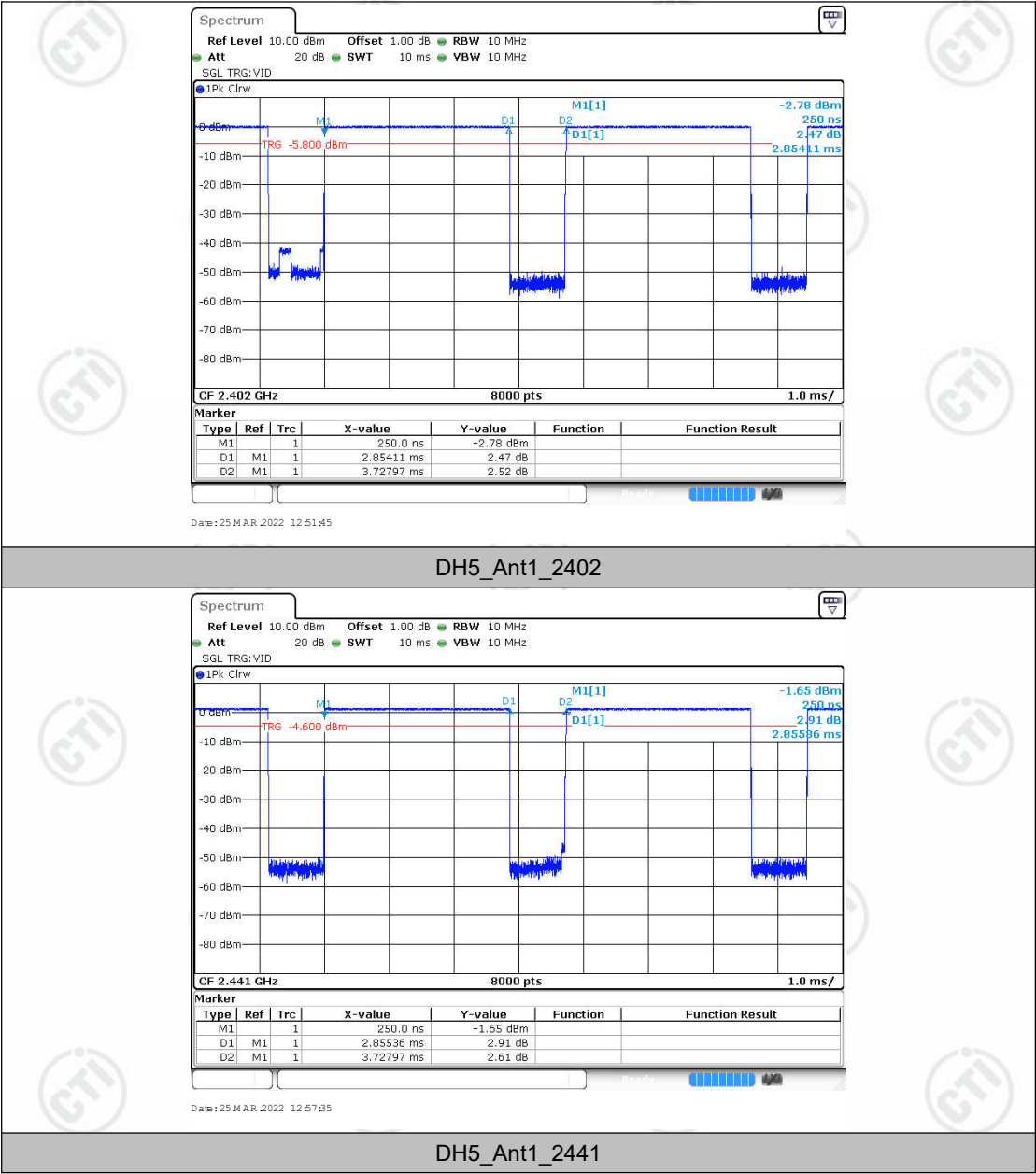
2DH5_Ant1_2480_1000~26500

Appendix I: Duty Cycle

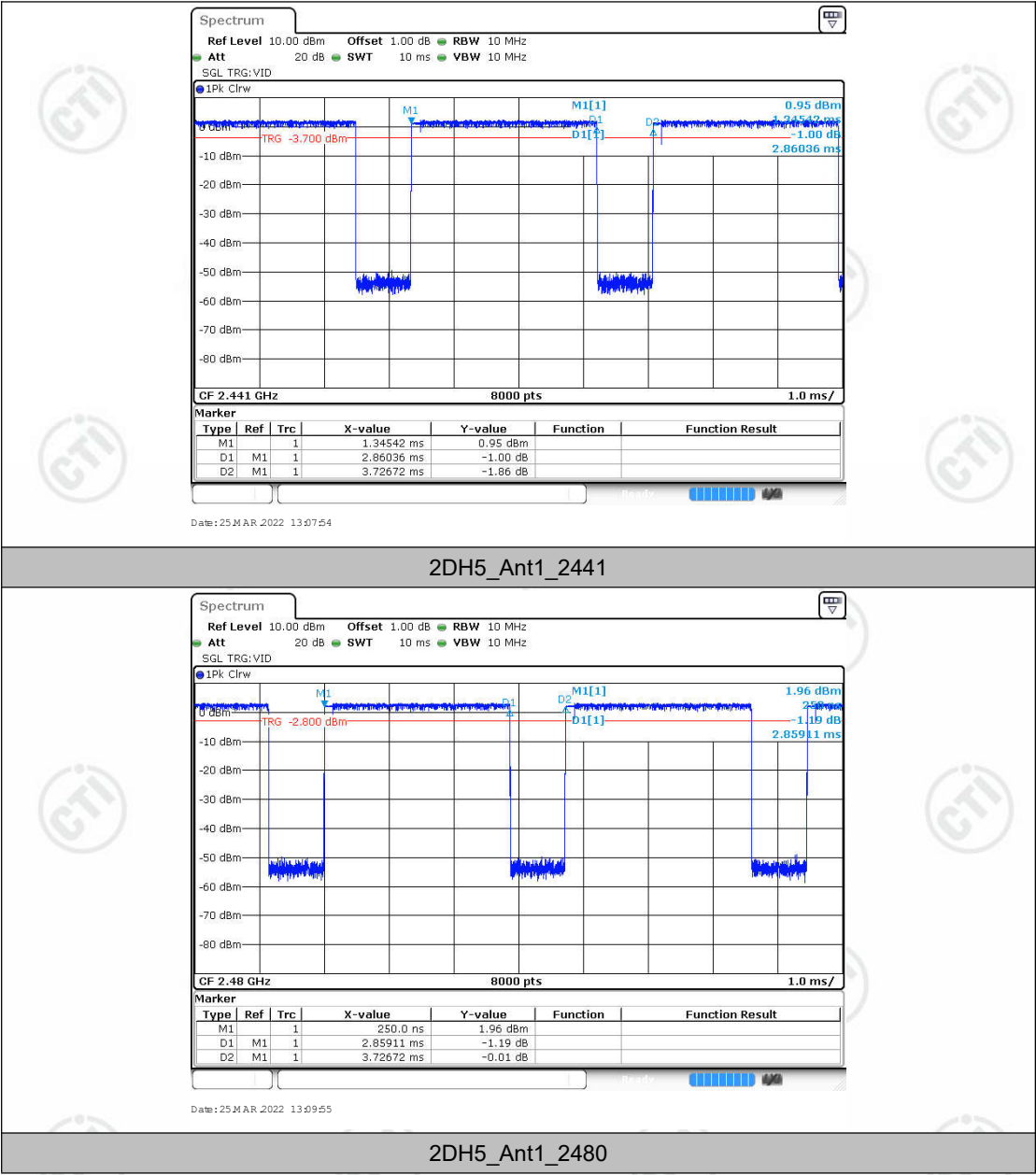
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.85	3.73	76.41	---	PASS
		2441	2.86	3.73	76.68	---	PASS
		2480	2.85	3.73	76.41	---	PASS
2DH5	Ant1	2402	2.86	3.73	76.68	---	PASS
		2441	2.86	3.73	76.68	---	PASS
		2480	2.86	3.73	76.68	---	PASS

Test Graphs







*** End of Report ***