

Appendix: Bluetooth Classic

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Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.96	2401.53	2402.49
DH5	Ant1	2441	0.96	2440.53	2441.49
DH5	Ant1	2480	0.98	2479.50	2480.49
2DH5	Ant1	2402	1.28	2401.36	2402.64
2DH5	Ant1	2441	1.28	2440.36	2441.65
2DH5	Ant1	2480	1.27	2479.37	2480.64
3DH5	Ant1	2402	1.30	2401.35	2402.65
3DH5	Ant1	2441	1.28	2440.35	2441.64
3DH5	Ant1	2480	1.28	2479.35	2480.64

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.88055	2401.5550	2402.4356
DH5	Ant1	2441	0.88719	2440.5513	2441.4385
DH5	Ant1	2480	0.88958	2479.5499	2480.4395
2DH5	Ant1	2402	1.1613	2401.4119	2402.5732
2DH5	Ant1	2441	1.1629	2440.4112	2441.5741
2DH5	Ant1	2480	1.1645	2479.4103	2480.5748
3DH5	Ant1	2402	1.1591	2401.4176	2402.5767
3DH5	Ant1	2441	1.1639	2440.4152	2441.5791
3DH5	Ant1	2480	1.1735	2479.4103	2480.5838

Test Graphs



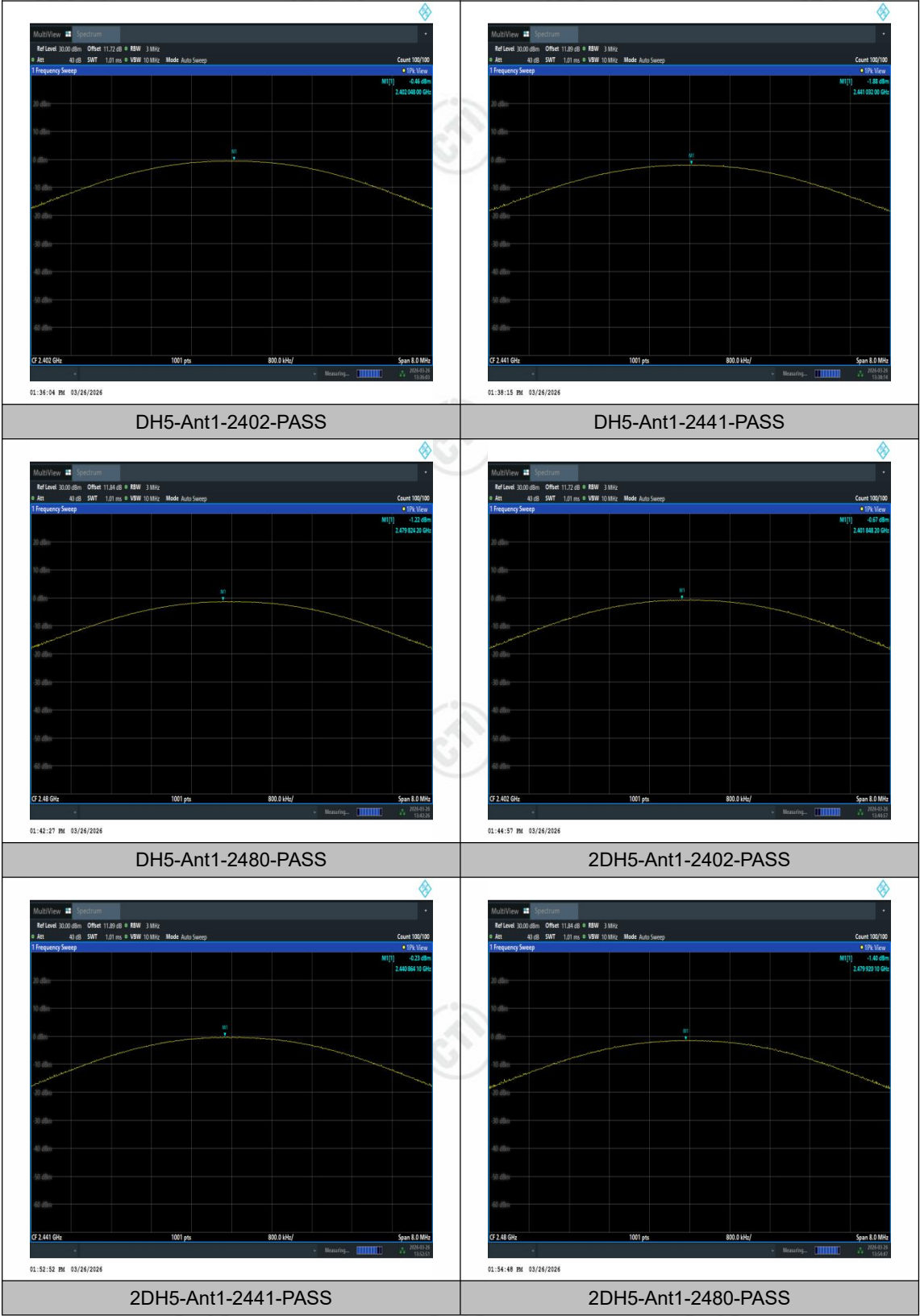


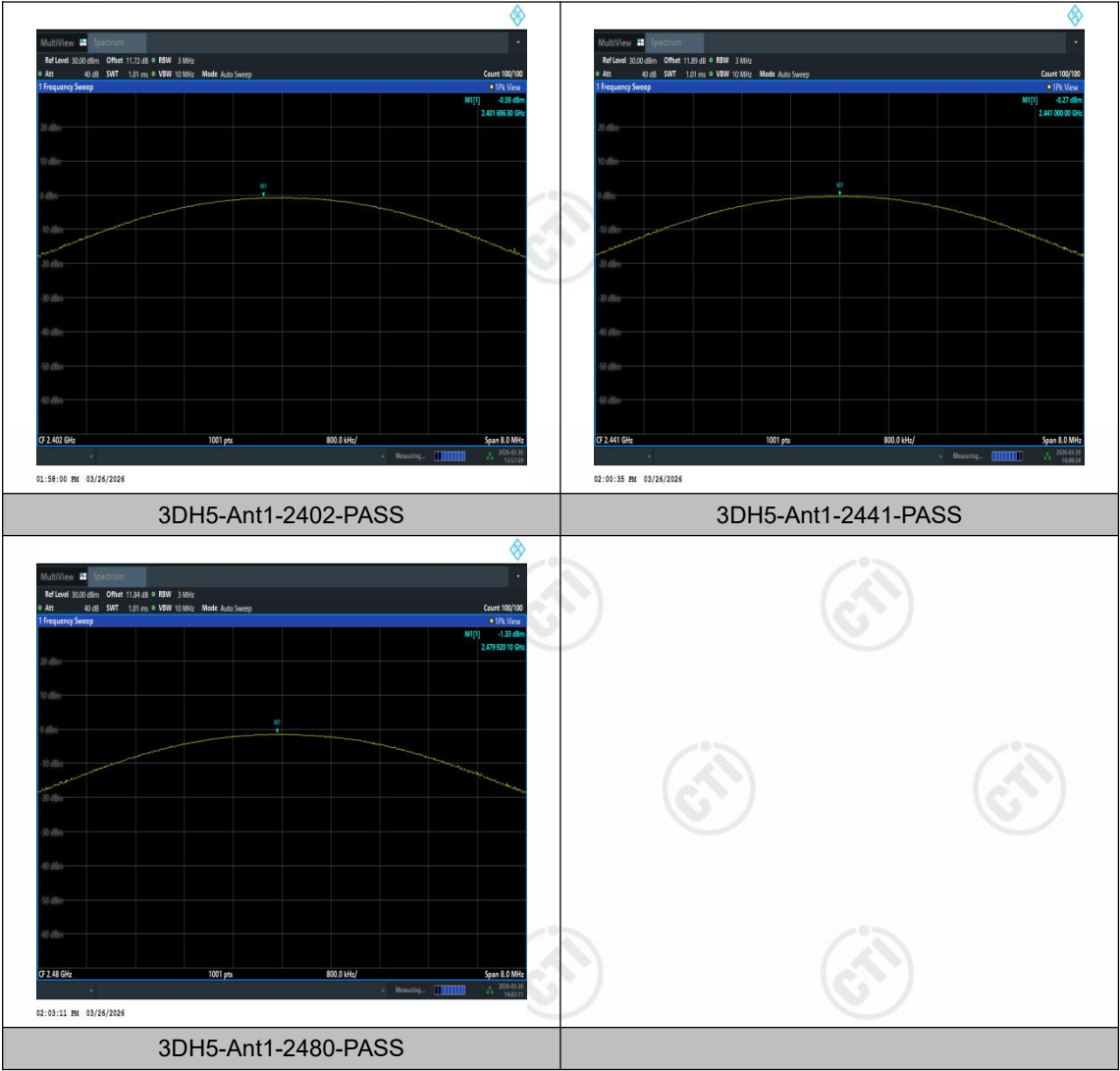
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	Verdict
DH5	Ant1	2402	-0.46	≤20.97	1.13	PASS
DH5	Ant1	2441	-1.88	≤20.97	-0.29	PASS
DH5	Ant1	2480	-1.22	≤20.97	0.37	PASS
2DH5	Ant1	2402	-0.67	≤30	0.92	PASS
2DH5	Ant1	2441	-0.23	≤20.97	1.36	PASS
2DH5	Ant1	2480	-1.40	≤20.97	0.19	PASS
3DH5	Ant1	2402	-0.59	≤30	1.00	PASS
3DH5	Ant1	2441	-0.27	≤20.97	1.32	PASS
3DH5	Ant1	2480	-1.33	≤20.97	0.26	PASS

Test Graphs



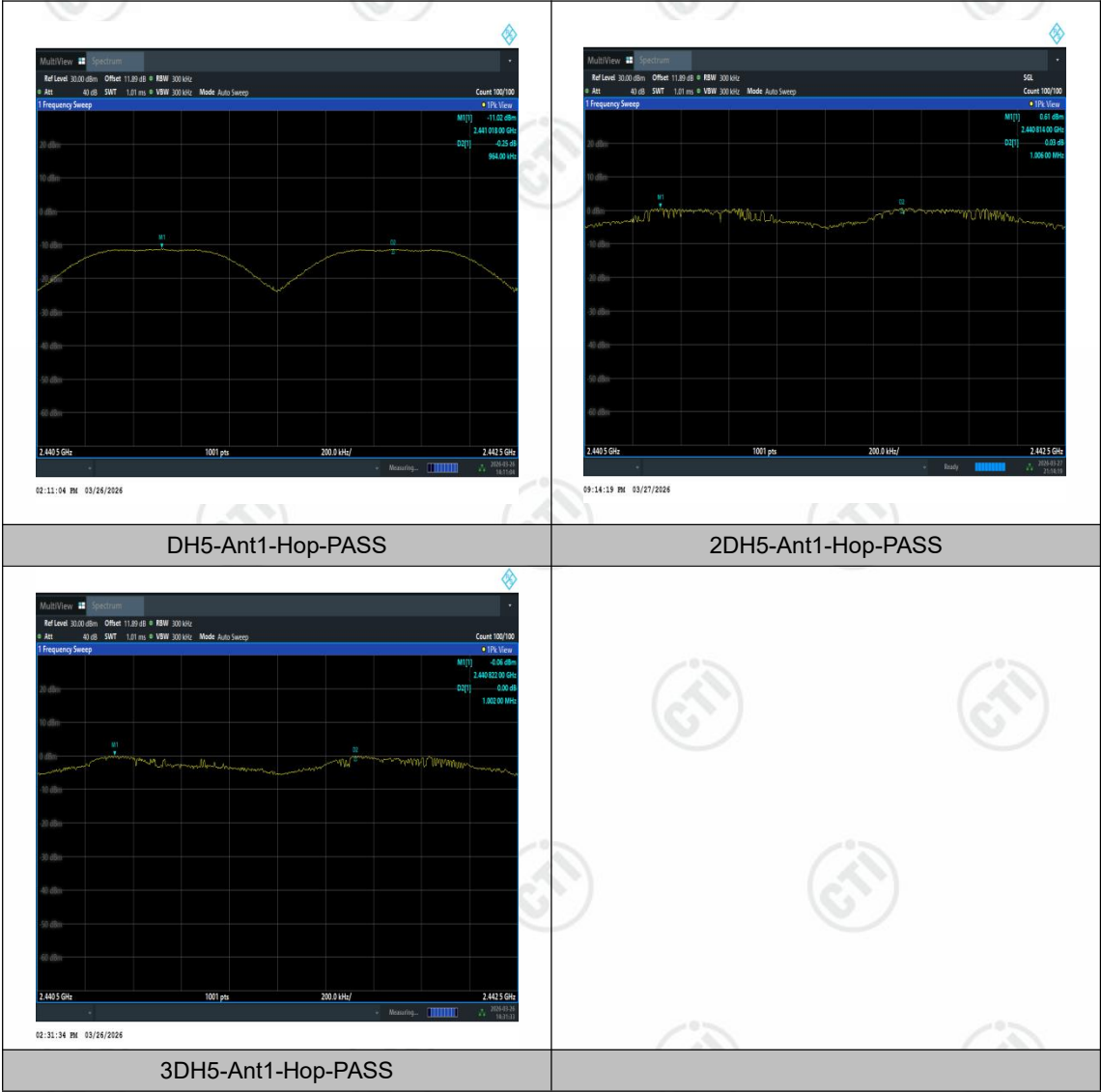


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.964	≥0.653	PASS
2DH5	Ant1	Hop	1.006	≥0.853	PASS
3DH5	Ant1	Hop	1.002	≥0.867	PASS

Test Graphs

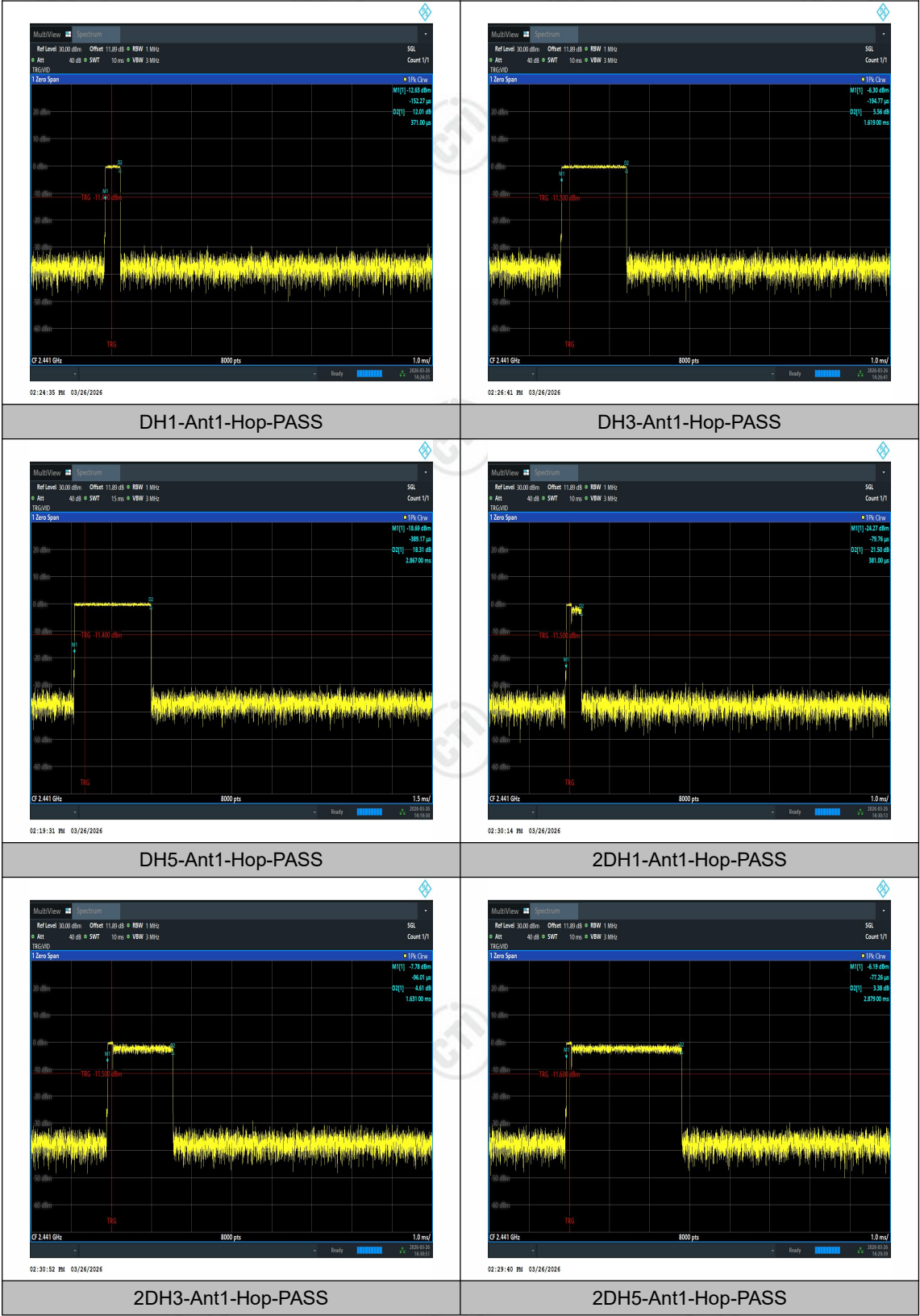


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.371	320	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.619	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.867	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.381	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.379	320	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.882	106.67	0.307	≤0.4	PASS

Test Graphs

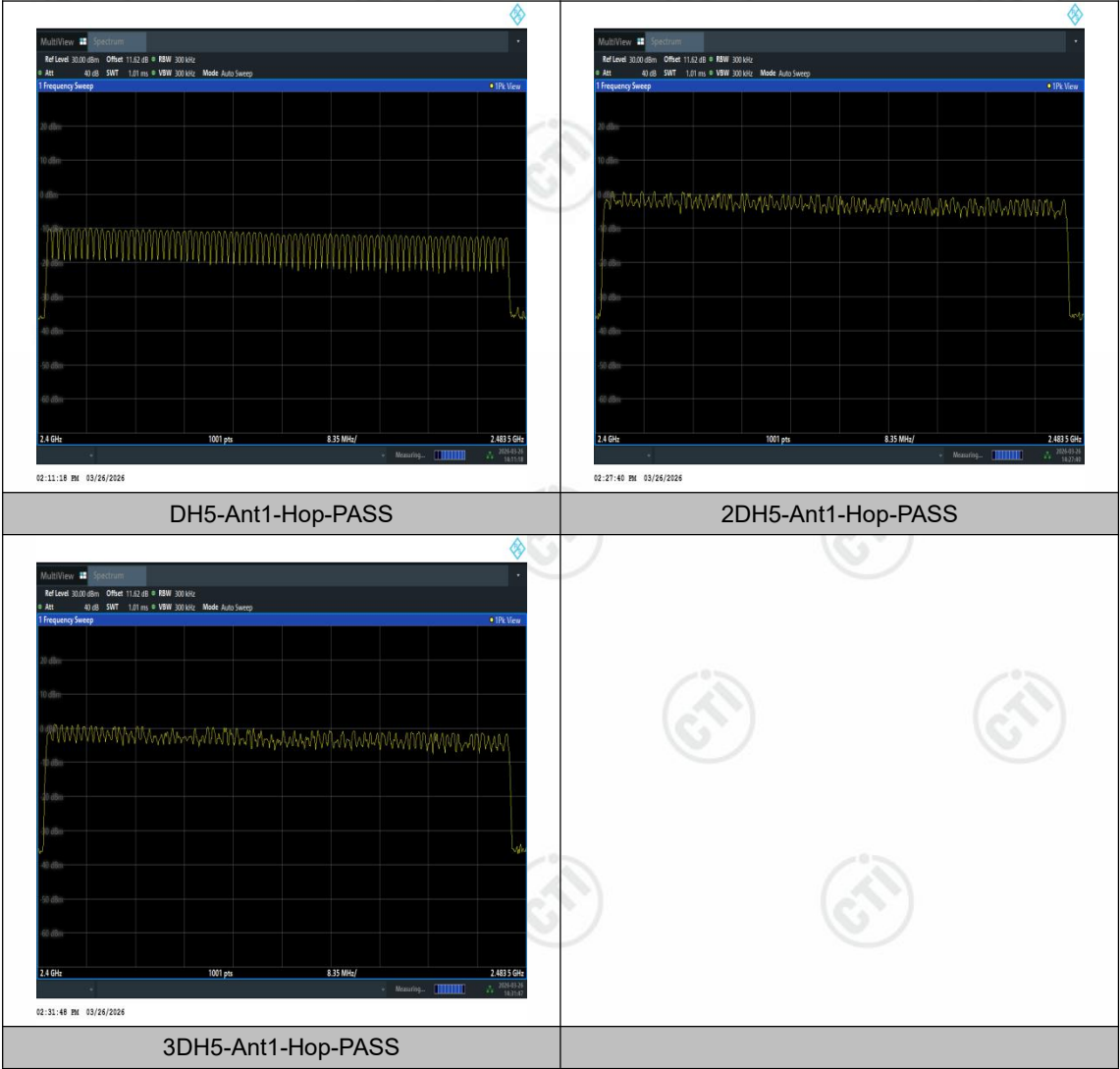


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.80	-47.8	≤ -21.8	PASS
DH5	Ant1	High	2480	-2.55	-48.32	≤ -22.55	PASS
DH5	Ant1	Low	Hop_2402	-10.62	-48.49	≤ -30.62	PASS
DH5	Ant1	High	Hop_2480	-13.18	-48.26	≤ -33.18	PASS
2DH5	Ant1	Low	2402	-2.02	-48.39	≤ -22.02	PASS
2DH5	Ant1	High	2480	-2.85	-47.57	≤ -22.85	PASS
2DH5	Ant1	Low	Hop_2402	-0.73	-48	≤ -20.73	PASS
2DH5	Ant1	High	Hop_2480	-1.80	-47.13	≤ -21.8	PASS
3DH5	Ant1	Low	2402	-1.81	-48.41	≤ -21.81	PASS
3DH5	Ant1	High	2480	-2.59	-47.6	≤ -22.59	PASS
3DH5	Ant1	Low	Hop_2402	0.94	-48.6	≤ -19.06	PASS
3DH5	Ant1	High	Hop_2480	-1.35	-48.42	≤ -21.35	PASS

Test Graphs





Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.60	-1.60	---	PASS
DH5	Ant1	2402	30~1000	-1.60	-56.25	≤-21.6	PASS
DH5	Ant1	2402	1000~26500	-1.60	-50.89	≤-21.6	PASS
DH5	Ant1	2441	0~Reference	-3.07	-3.07	---	PASS
DH5	Ant1	2441	30~1000	-3.07	-56.2	≤-23.07	PASS
DH5	Ant1	2441	1000~26500	-3.07	-49.87	≤-23.07	PASS
DH5	Ant1	2480	0~Reference	-2.39	-2.39	---	PASS
DH5	Ant1	2480	30~1000	-2.39	-56.72	≤-22.39	PASS
DH5	Ant1	2480	1000~26500	-2.39	-50.43	≤-22.39	PASS
2DH5	Ant1	2402	0~Reference	-1.82	-1.82	---	PASS
2DH5	Ant1	2402	30~1000	-1.82	-56.63	≤-21.82	PASS
2DH5	Ant1	2402	1000~26500	-1.82	-49.4	≤-21.82	PASS
2DH5	Ant1	2441	0~Reference	-1.40	-1.40	---	PASS
2DH5	Ant1	2441	30~1000	-1.40	-56.97	≤-21.4	PASS
2DH5	Ant1	2441	1000~26500	-1.40	-50.95	≤-21.4	PASS
2DH5	Ant1	2480	0~Reference	-2.61	-2.61	---	PASS
2DH5	Ant1	2480	30~1000	-2.61	-56.19	≤-22.61	PASS
2DH5	Ant1	2480	1000~26500	-2.61	-50.84	≤-22.61	PASS
3DH5	Ant1	2402	0~Reference	-1.66	-1.66	---	PASS
3DH5	Ant1	2402	30~1000	-1.66	-56.29	≤-21.66	PASS
3DH5	Ant1	2402	1000~26500	-1.66	-50.85	≤-21.66	PASS
3DH5	Ant1	2441	0~Reference	-1.22	-1.22	---	PASS
3DH5	Ant1	2441	30~1000	-1.22	-55.91	≤-21.22	PASS
3DH5	Ant1	2441	1000~26500	-1.22	-50.48	≤-21.22	PASS
3DH5	Ant1	2480	0~Reference	-2.44	-2.44	---	PASS
3DH5	Ant1	2480	30~1000	-2.44	-56.92	≤-22.44	PASS
3DH5	Ant1	2480	1000~26500	-2.44	-49.91	≤-22.44	PASS