

AppendixA: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.502	2402.453	---	---
DH5	Ant1	2441	0.951	2440.502	2441.453	---	---
DH5	Ant1	2480	0.957	2479.499	2480.456	---	---
2DH5	Ant1	2402	1.290	2401.337	2402.627	---	---
2DH5	Ant1	2441	1.293	2440.337	2441.630	---	---
2DH5	Ant1	2480	1.287	2479.337	2480.624	---	---
3DH5	Ant1	2402	1.275	2401.334	2402.609	---	---
3DH5	Ant1	2441	1.260	2440.331	2441.591	---	---
3DH5	Ant1	2480	1.293	2479.325	2480.618	---	---

Test Graphs





2DH5-Ant1-2441



2DH5-Ant1-2480



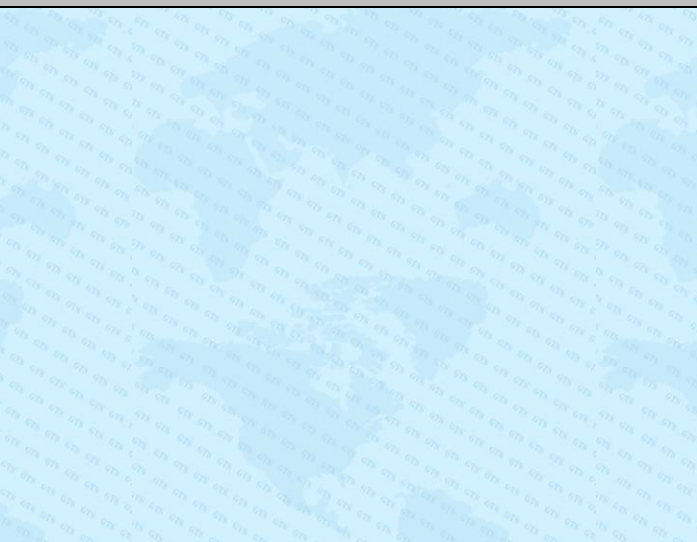
3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

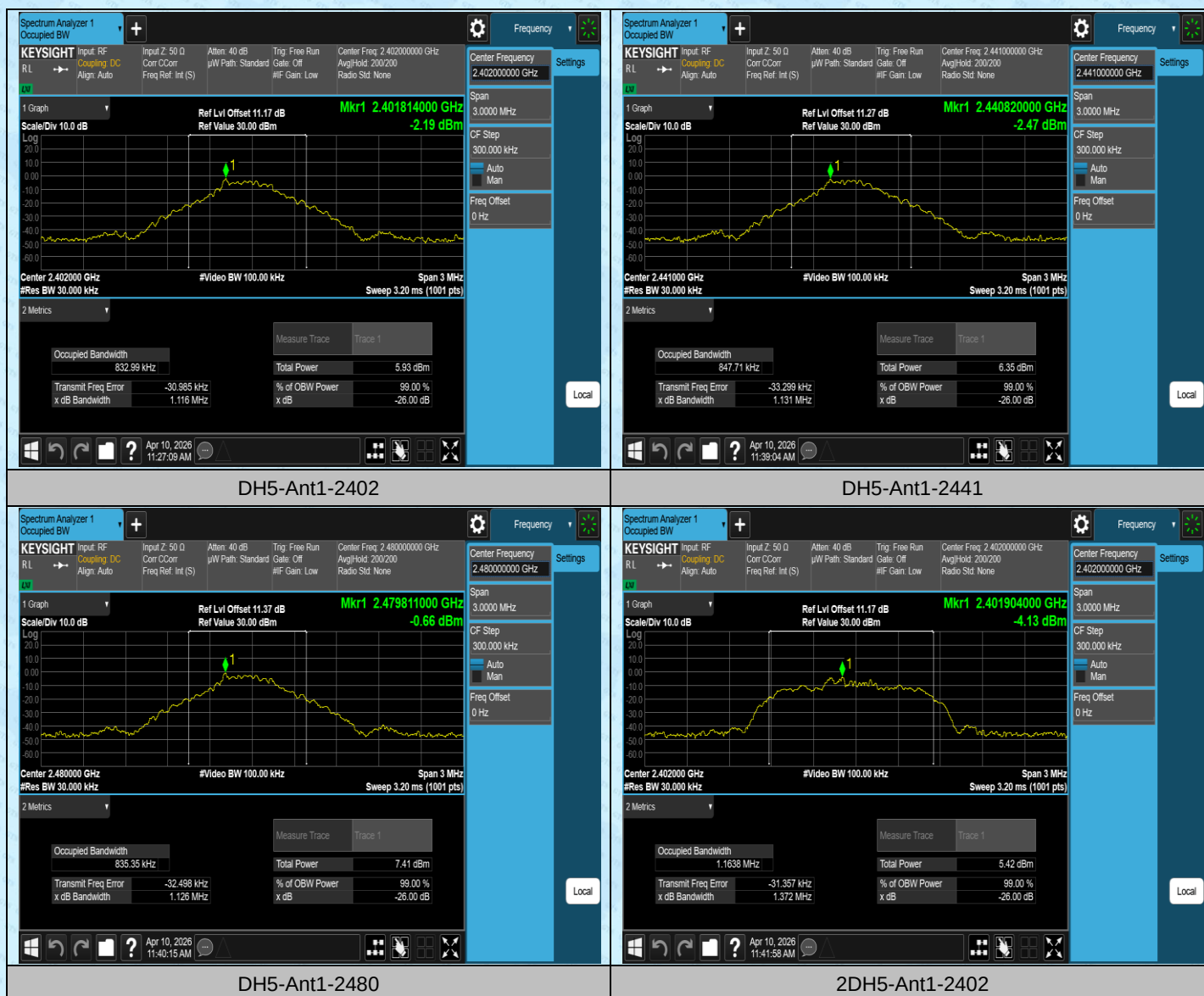


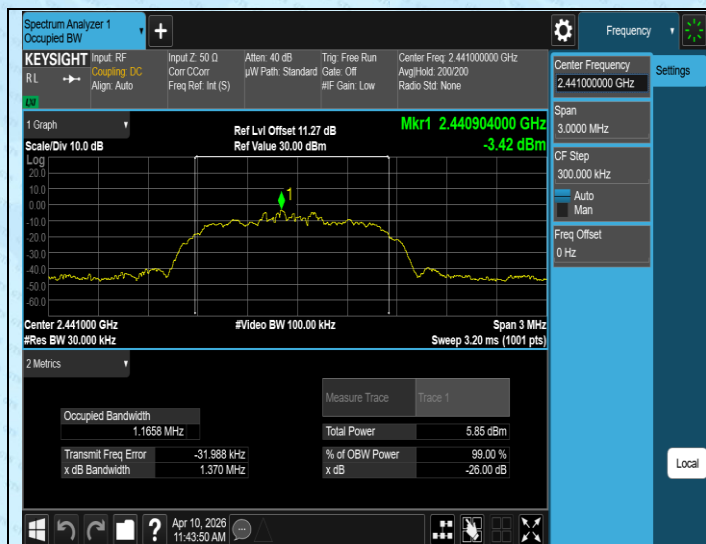
AppendixB: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.83299	2401.5525	2402.3855	---	---
DH5	Ant1	2441	0.84771	2440.5428	2441.3906	---	---
DH5	Ant1	2480	0.83535	2479.5498	2480.3852	---	---
2DH5	Ant1	2402	1.1638	2401.3867	2402.5505	---	---
2DH5	Ant1	2441	1.1658	2440.3851	2441.5509	---	---
2DH5	Ant1	2480	1.1766	2479.3819	2480.5585	---	---
3DH5	Ant1	2402	1.1680	2401.3907	2402.5587	---	---
3DH5	Ant1	2441	1.1578	2440.3939	2441.5517	---	---
3DH5	Ant1	2480	1.1640	2479.3908	2480.5548	---	---

Test Graphs

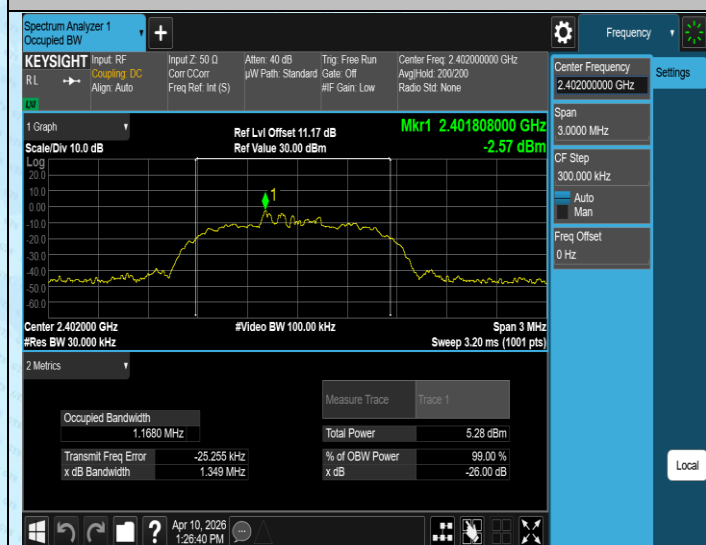




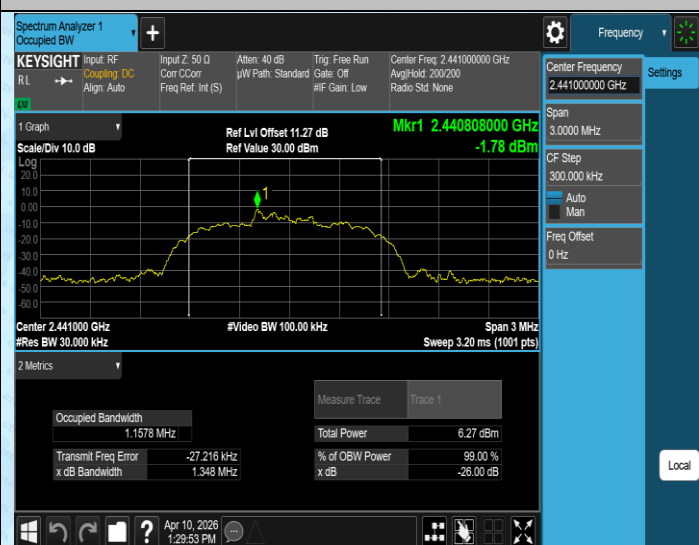
2DH5-Ant1-2441



2DH5-Ant1-2480



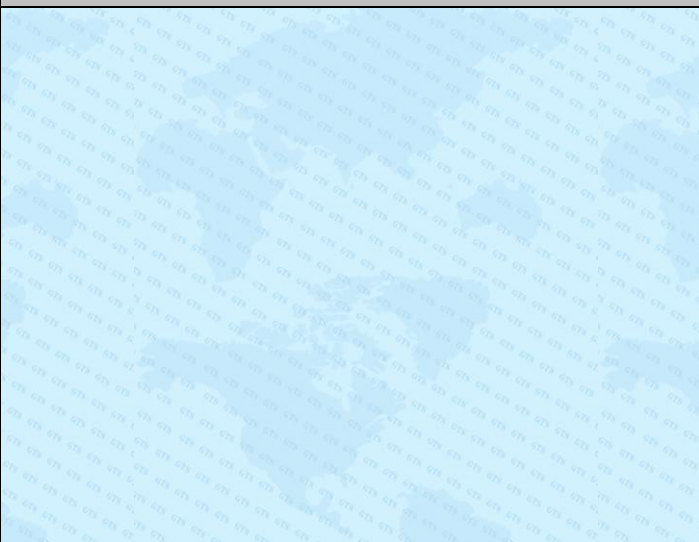
3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

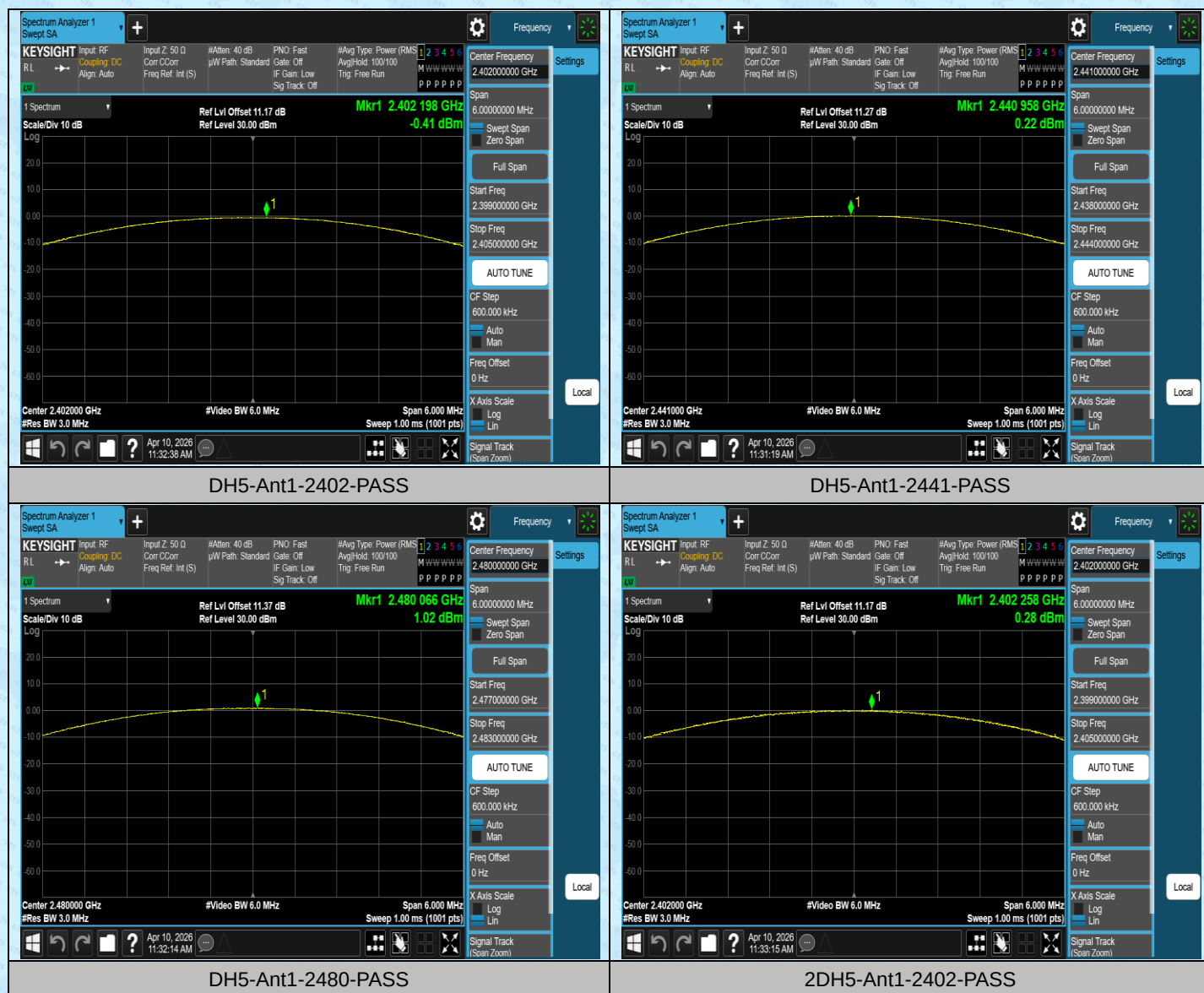


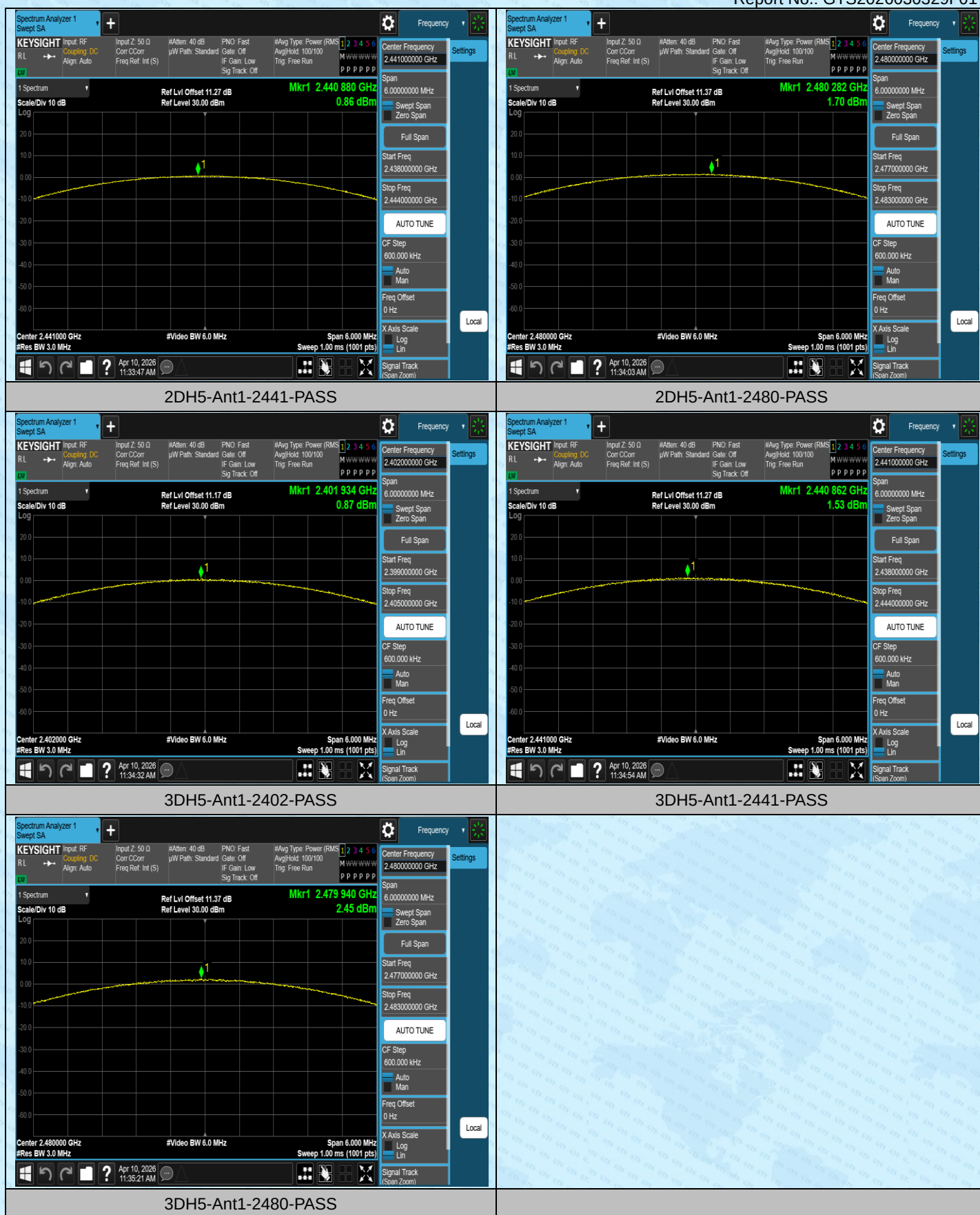
AppendixC: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.41	≤20.97	PASS
DH5	Ant1	2441	0.22	≤20.97	PASS
DH5	Ant1	2480	1.02	≤20.97	PASS
2DH5	Ant1	2402	0.28	≤30	PASS
2DH5	Ant1	2441	0.86	≤30	PASS
2DH5	Ant1	2480	1.70	≤30	PASS
3DH5	Ant1	2402	0.87	≤30	PASS
3DH5	Ant1	2441	1.53	≤30	PASS
3DH5	Ant1	2480	2.46	≤30	PASS

Test Graphs



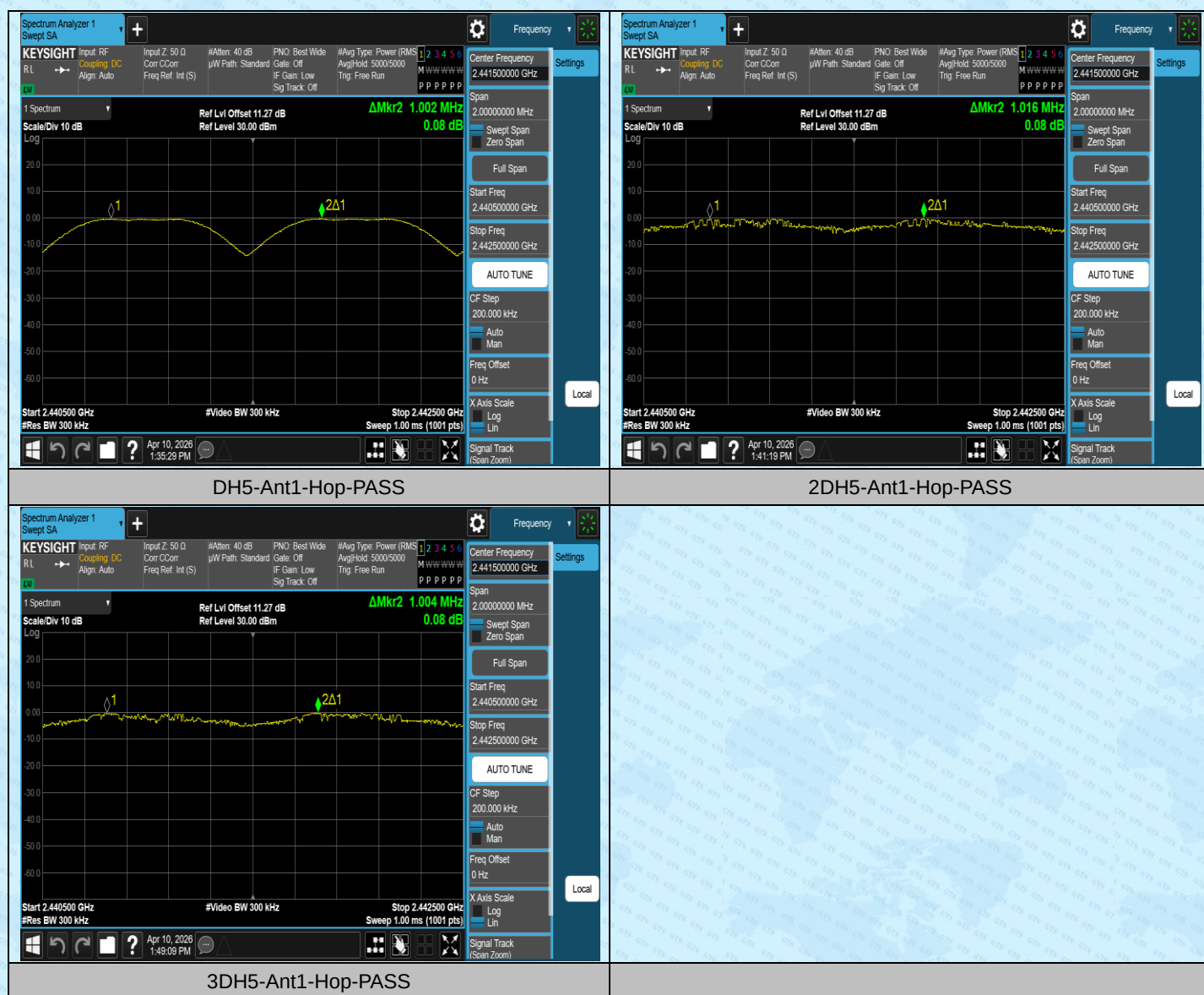


AppendixD: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.957	PASS
2DH5	Ant1	Hop	1.016	≥ 0.862	PASS
3DH5	Ant1	Hop	1.004	≥ 0.862	PASS

Test Graphs



AppendixE: Time of occupancy

Test Result

Test Mode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.395	320	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.650	160	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.899	106.67	0.309	≤0.4	PASS
2DH1	Ant1	Hop	0.405	320	0.13	≤0.4	PASS
2DH3	Ant1	Hop	1.657	160	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.904	106.67	0.31	≤0.4	PASS
3DH1	Ant1	Hop	0.405	320	0.13	≤0.4	PASS
3DH3	Ant1	Hop	1.657	160	0.265	≤0.4	PASS
3DH5	Ant1	Hop	2.907	106.67	0.31	≤0.4	PASS

Note:

DH5/2DH5/3DH5:TotalHops=1600/79/6*0.4*79

DH5/2DH5/3DH5: Time of occupancy= TotalHops * (BurstWidth) /1000

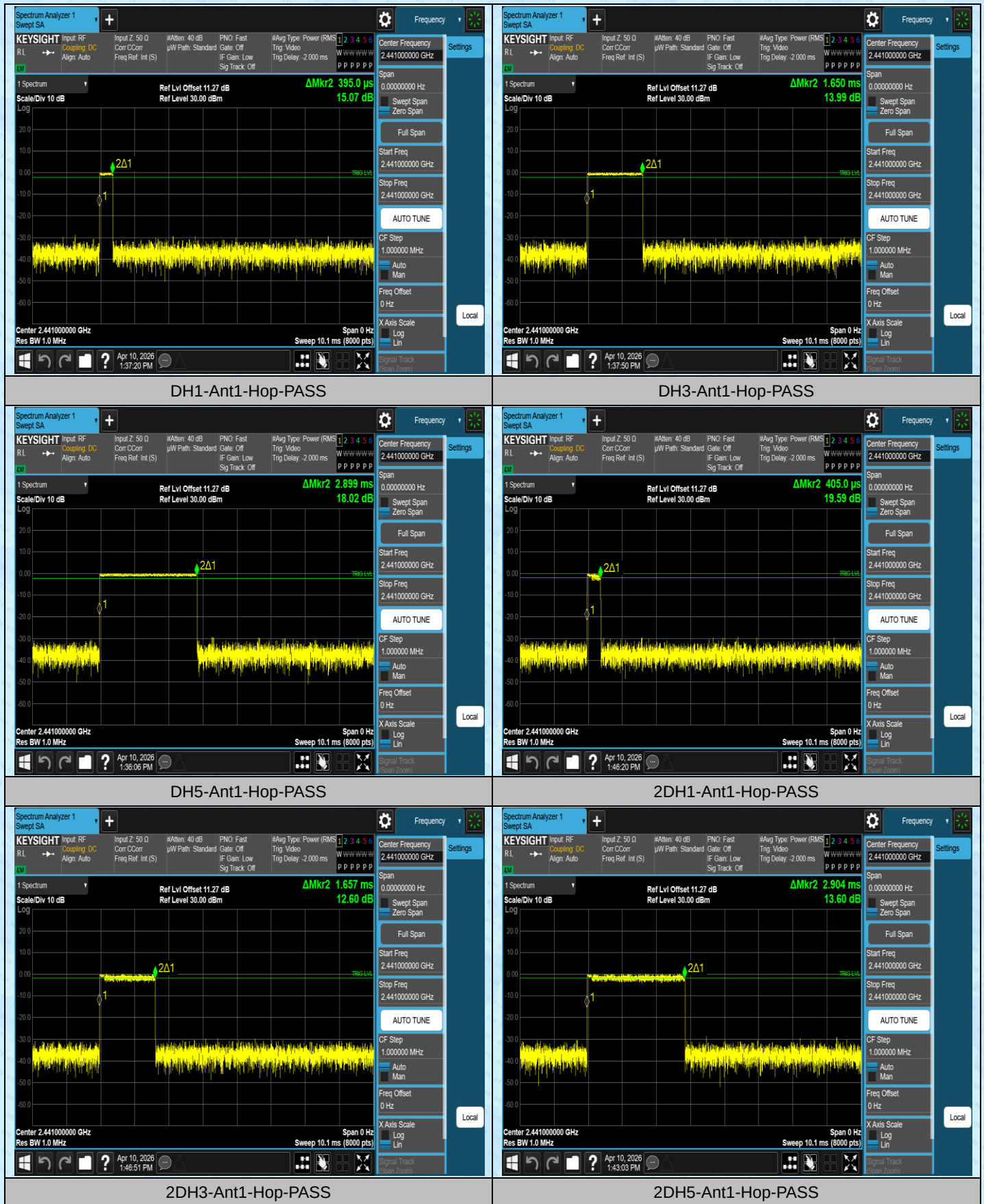
DH3/2DH3/3DH3:TotalHops=1600/79/4*0.4*79

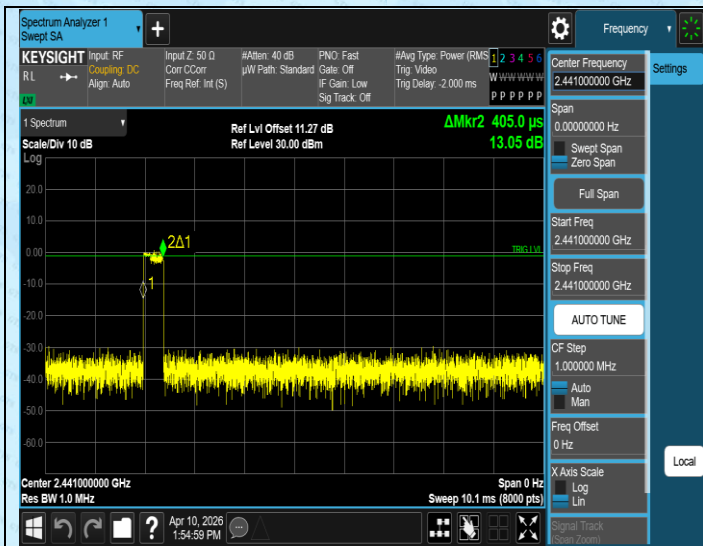
DH3/2DH3/3DH3: Time of occupancy= TotalHops * (BurstWidth) /1000

DH1/2DH1/3DH1:TotalHops=1600/79/2*0.4*79

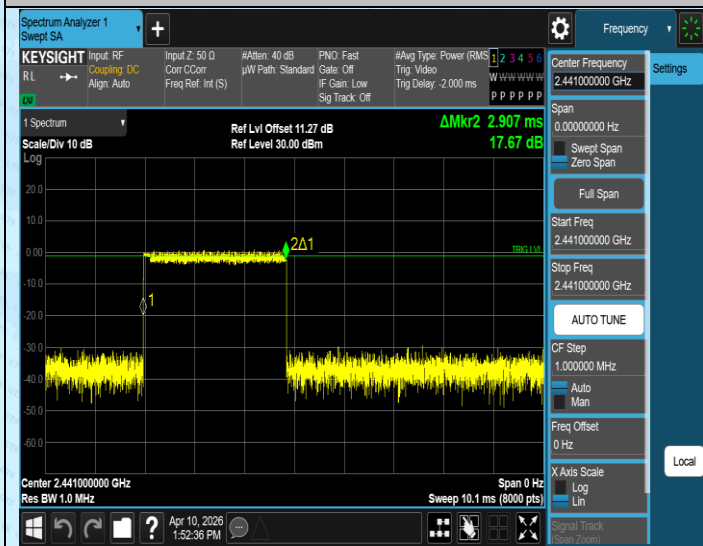
DH1/2DH1/3DH1: Time of occupancy= TotalHops * (BurstWidth) /1000

Test Graphs

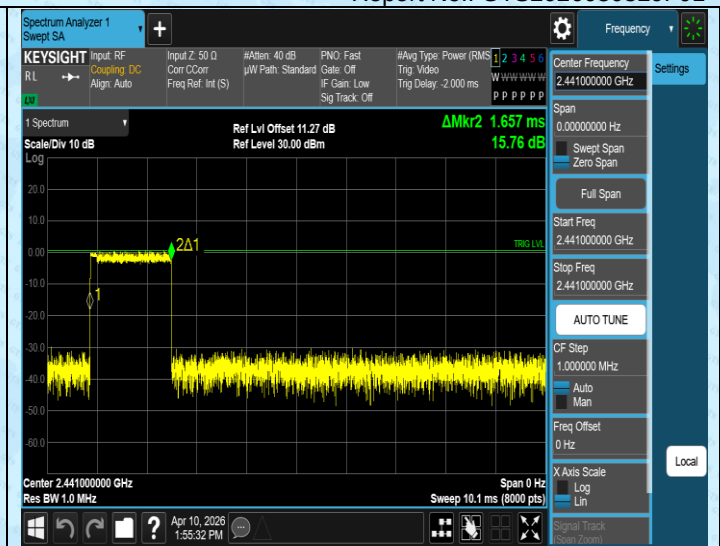




3DH1-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



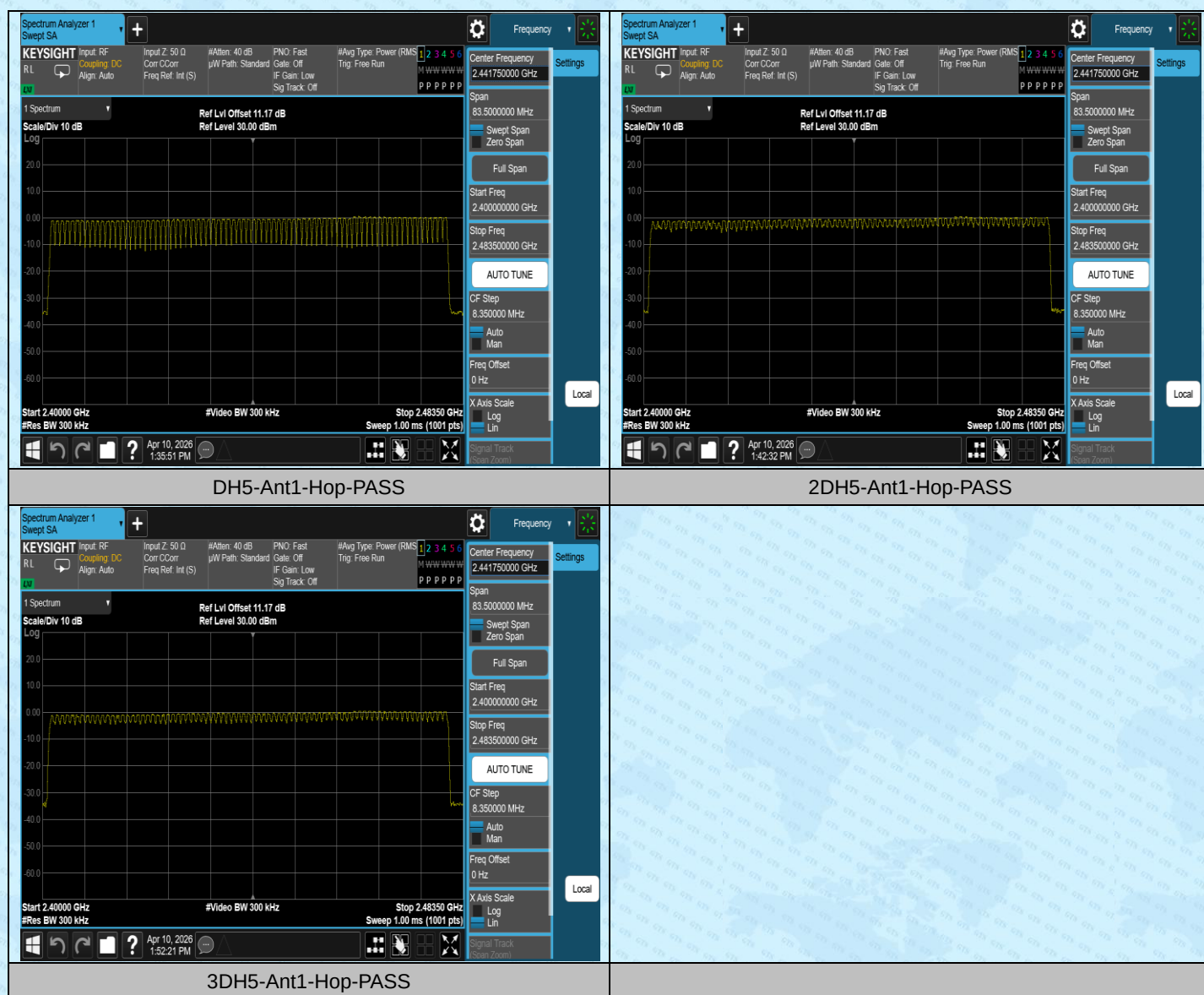
3DH3-Ant1-Hop-PASS

AppendixF: Number of hopping channels

Test Result

Test Mode	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

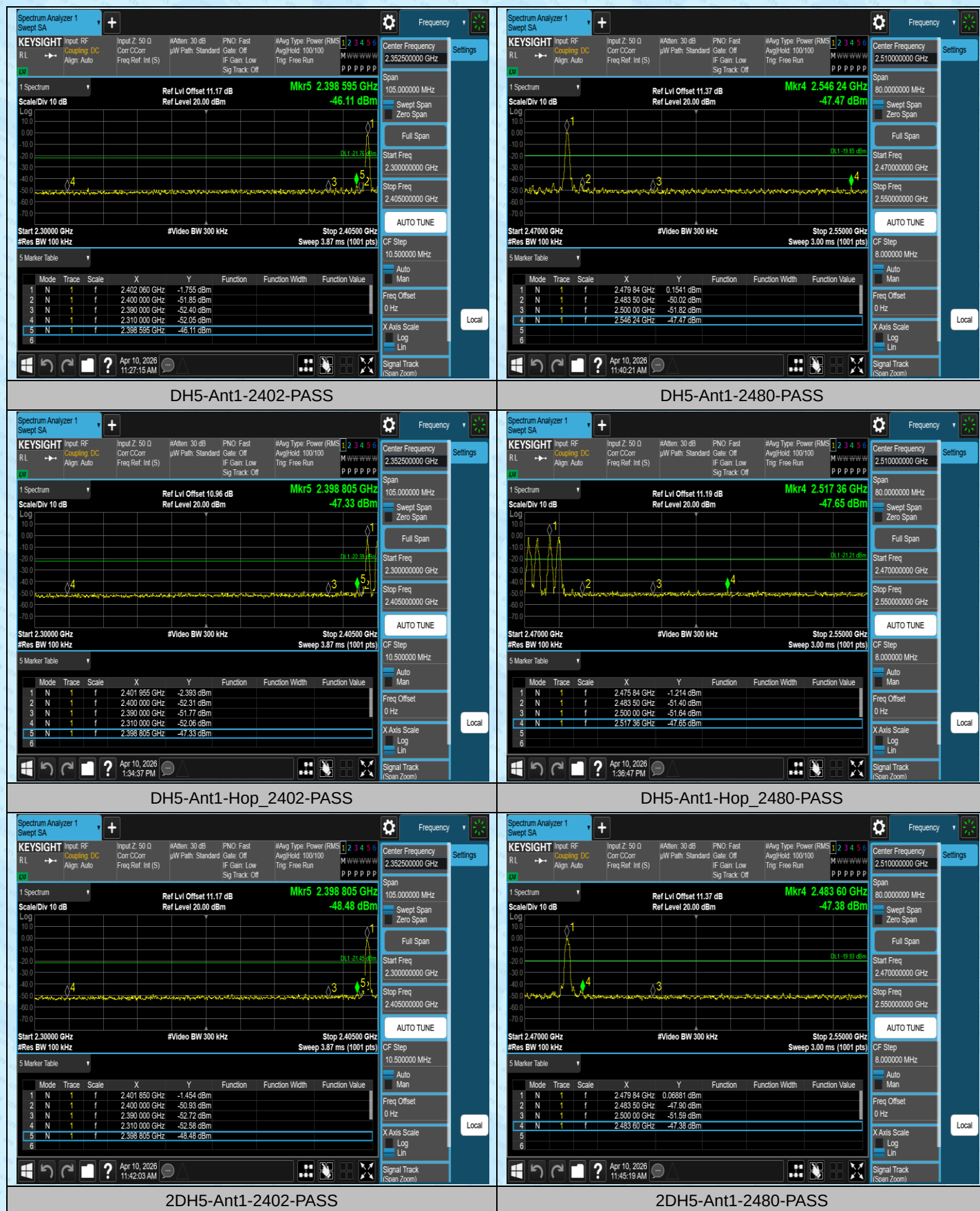


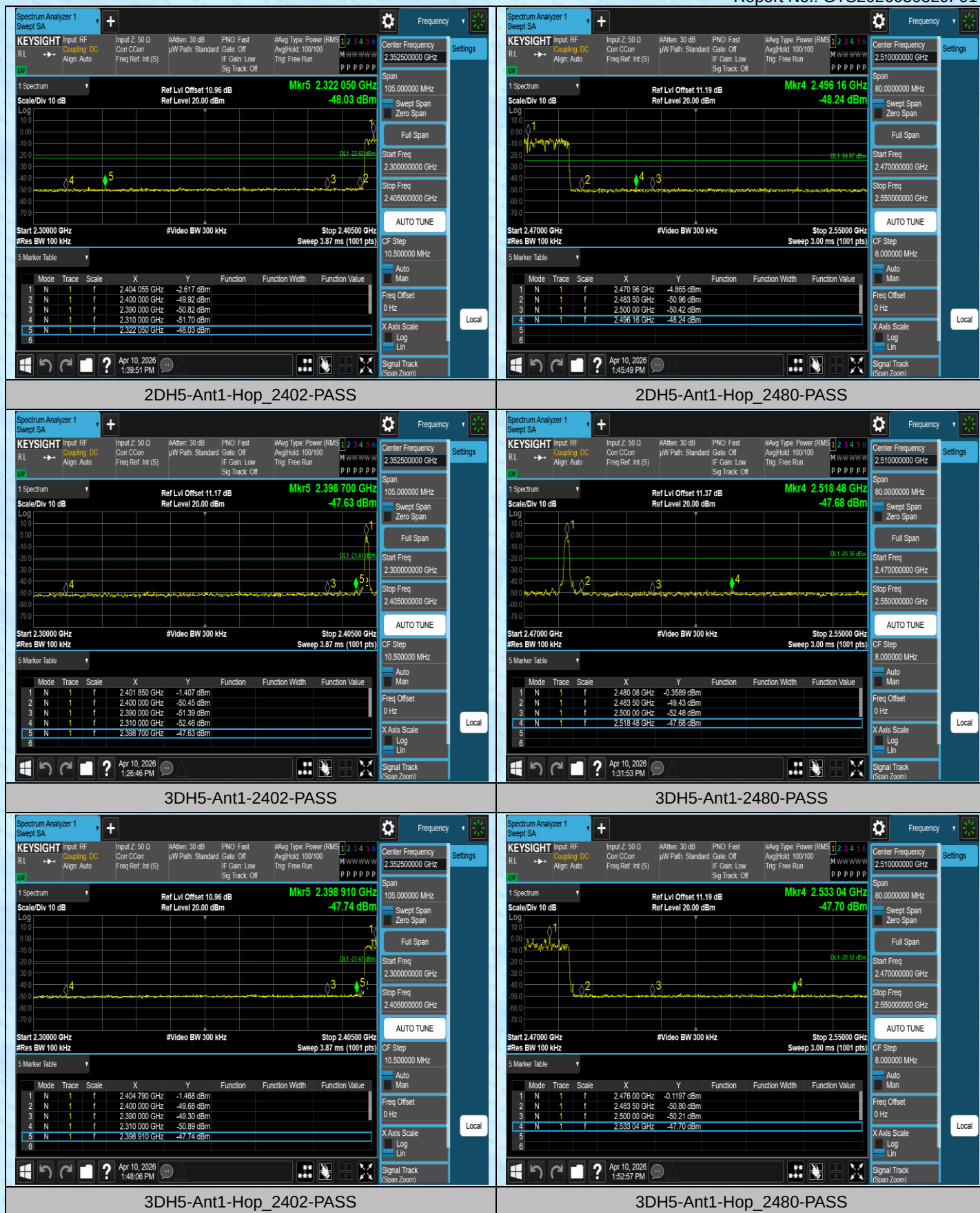
AppendixG:Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.76	-46.11	≤ -21.76	PASS
DH5	Ant1	High	2480	0.15	-47.47	≤ -19.85	PASS
DH5	Ant1	Low	Hop_2402	-2.39	-47.33	≤ -22.39	PASS
DH5	Ant1	High	Hop_2480	-1.21	-47.65	≤ -21.21	PASS
2DH5	Ant1	Low	2402	-1.45	-48.48	≤ -21.45	PASS
2DH5	Ant1	High	2480	0.07	-47.38	≤ -19.93	PASS
2DH5	Ant1	Low	Hop_2402	-2.62	-48.04	≤ -22.62	PASS
2DH5	Ant1	High	Hop_2480	-4.87	-48.24	≤ -24.87	PASS
3DH5	Ant1	Low	2402	-1.41	-47.63	≤ -21.41	PASS
3DH5	Ant1	High	2480	-0.36	-47.68	≤ -20.36	PASS
3DH5	Ant1	Low	Hop_2402	-1.47	-47.75	≤ -21.47	PASS
3DH5	Ant1	High	Hop_2480	-0.12	-47.7	≤ -20.12	PASS

Test Graphs





AppendixH:Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.34	-1.34	---	PASS
DH5	Ant1	2402	30~1000	-1.34	-62.19	≤-21.34	PASS
DH5	Ant1	2402	1000~26500	-1.34	-36.15	≤-21.34	PASS
DH5	Ant1	2441	0~Reference	-0.55	-0.55	---	PASS
DH5	Ant1	2441	30~1000	-0.55	-62.4	≤-20.55	PASS
DH5	Ant1	2441	1000~26500	-0.55	-36.41	≤-20.55	PASS
DH5	Ant1	2480	0~Reference	0.19	0.19	---	PASS
DH5	Ant1	2480	30~1000	0.19	-62.11	≤-19.81	PASS
DH5	Ant1	2480	1000~26500	0.19	-32.39	≤-19.81	PASS
2DH5	Ant1	2402	0~Reference	-1.32	-1.32	---	PASS
2DH5	Ant1	2402	30~1000	-1.32	-63.06	≤-21.32	PASS
2DH5	Ant1	2402	1000~26500	-1.32	-39.93	≤-21.32	PASS
2DH5	Ant1	2441	0~Reference	-0.61	-0.61	---	PASS
2DH5	Ant1	2441	30~1000	-0.61	-62.13	≤-20.61	PASS
2DH5	Ant1	2441	1000~26500	-0.61	-38.75	≤-20.61	PASS
2DH5	Ant1	2480	0~Reference	0.17	0.17	---	PASS
2DH5	Ant1	2480	30~1000	0.17	-62.93	≤-19.83	PASS
2DH5	Ant1	2480	1000~26500	0.17	-39.59	≤-19.83	PASS
3DH5	Ant1	2402	0~Reference	-1.25	-1.25	---	PASS
3DH5	Ant1	2402	30~1000	-1.25	-61.8	≤-21.25	PASS
3DH5	Ant1	2402	1000~26500	-1.25	-39.96	≤-21.25	PASS
3DH5	Ant1	2441	0~Reference	-0.52	-0.52	---	PASS
3DH5	Ant1	2441	30~1000	-0.52	-63	≤-20.52	PASS
3DH5	Ant1	2441	1000~26500	-0.52	-39.28	≤-20.52	PASS
3DH5	Ant1	2480	0~Reference	0.23	0.23	---	PASS
3DH5	Ant1	2480	30~1000	0.23	-62.8	≤-19.77	PASS
3DH5	Ant1	2480	1000~26500	0.23	-40.07	≤-19.77	PASS