

AppendixA: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.864	2401.529	2402.393
DH5	Ant1	2441	0.846	2440.538	2441.384
DH5	Ant1	2480	0.861	2479.529	2480.390
2DH5	Ant1	2402	1.341	2401.313	2402.654
2DH5	Ant1	2441	1.335	2440.310	2441.645
2DH5	Ant1	2480	1.317	2479.325	2480.642
3DH5	Ant1	2402	1.296	2401.334	2402.630
3DH5	Ant1	2441	1.296	2440.328	2441.624
3DH5	Ant1	2480	1.287	2479.331	2480.618

Test Graphs



DH5-Ant1-2402

DH5-Ant1-2441



DH5-Ant1-2480

2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



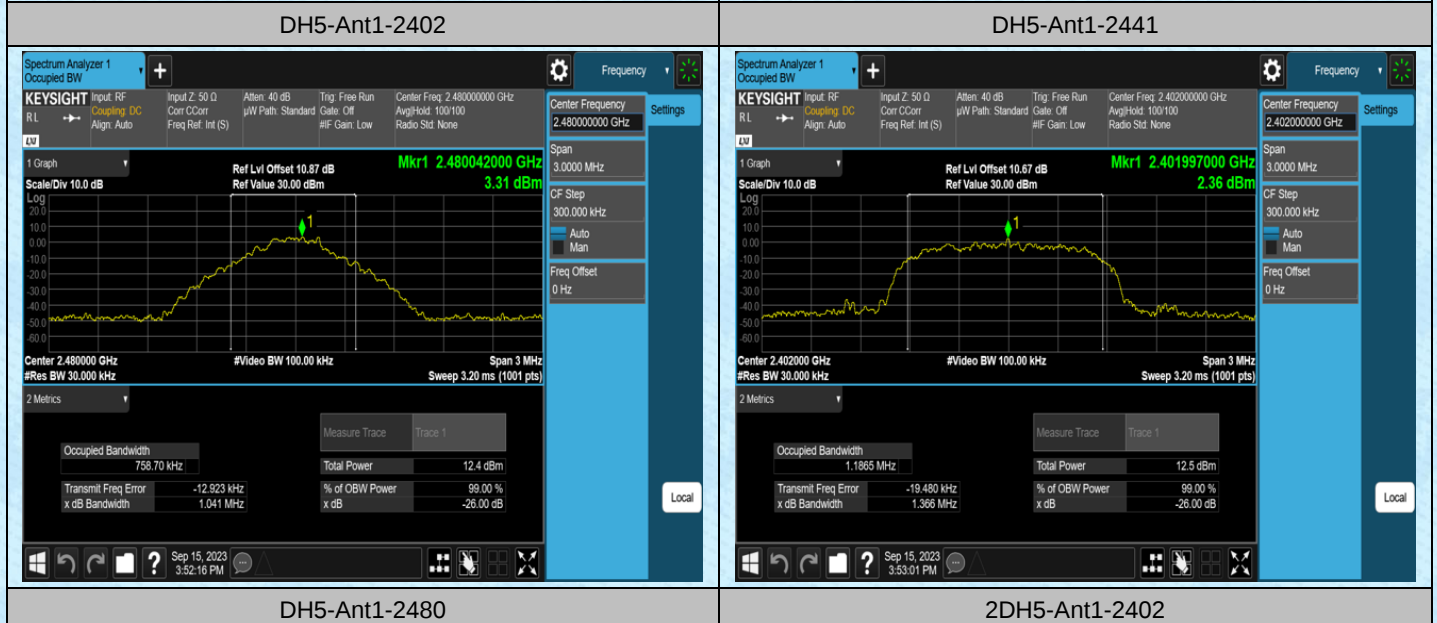
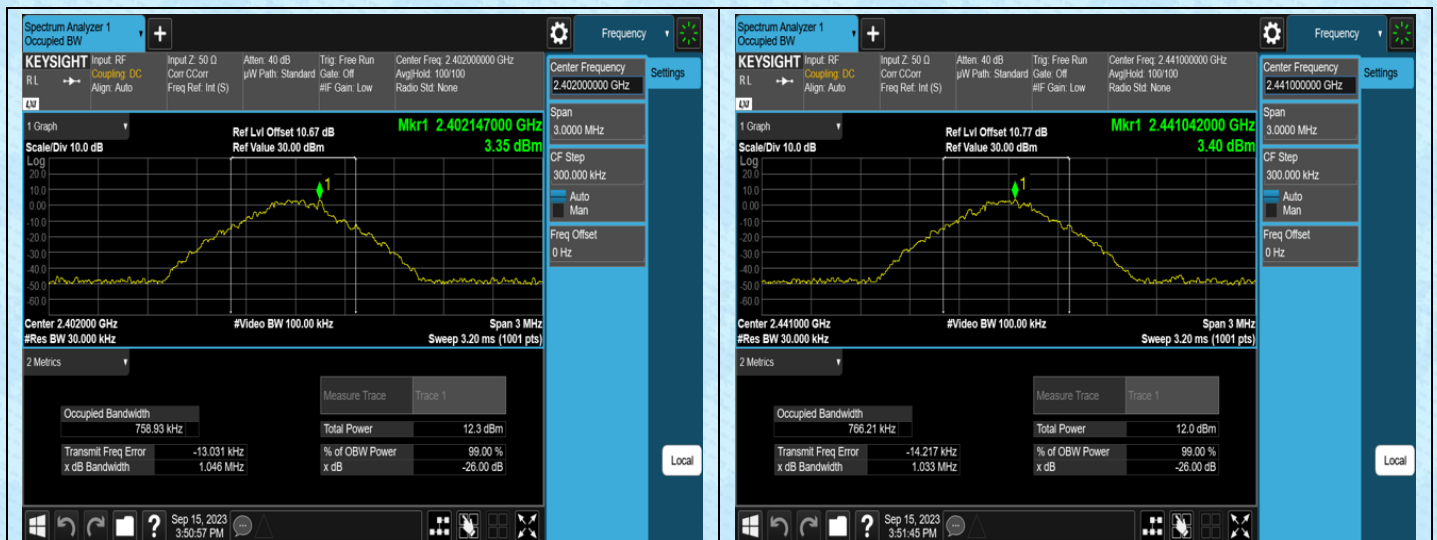
/

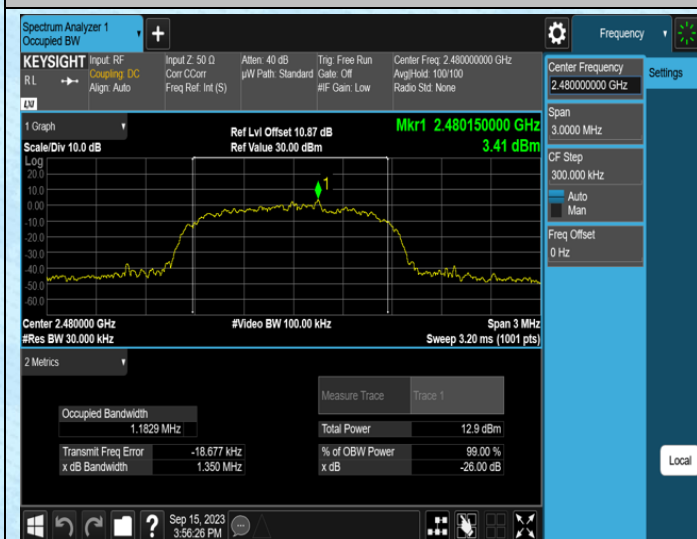
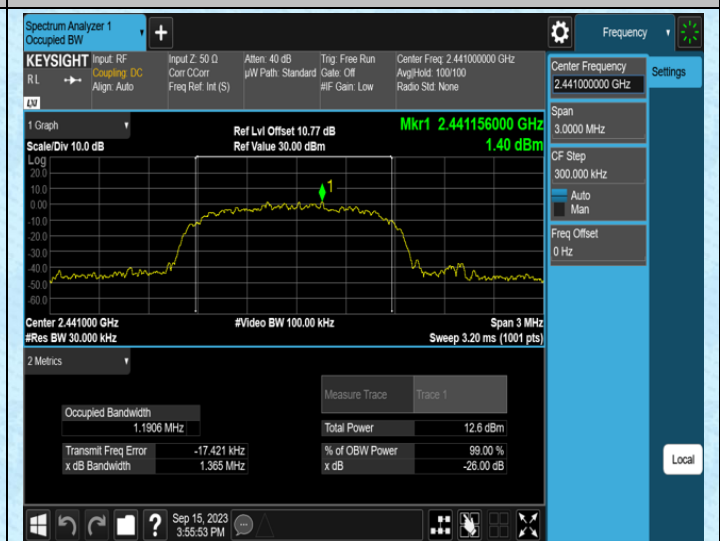
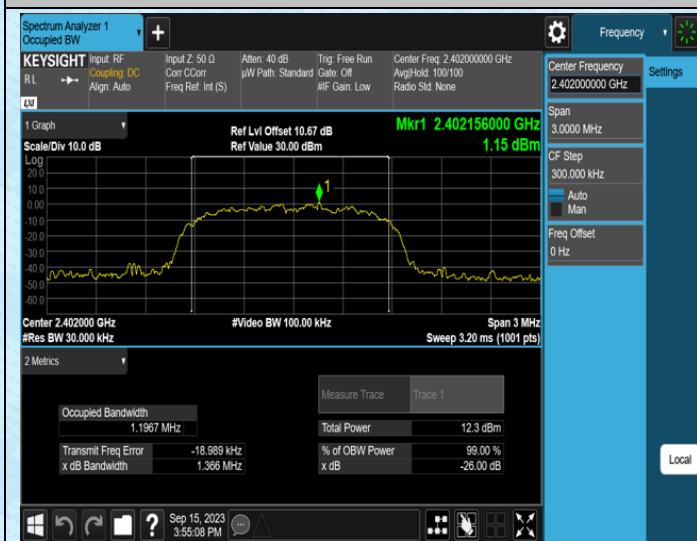
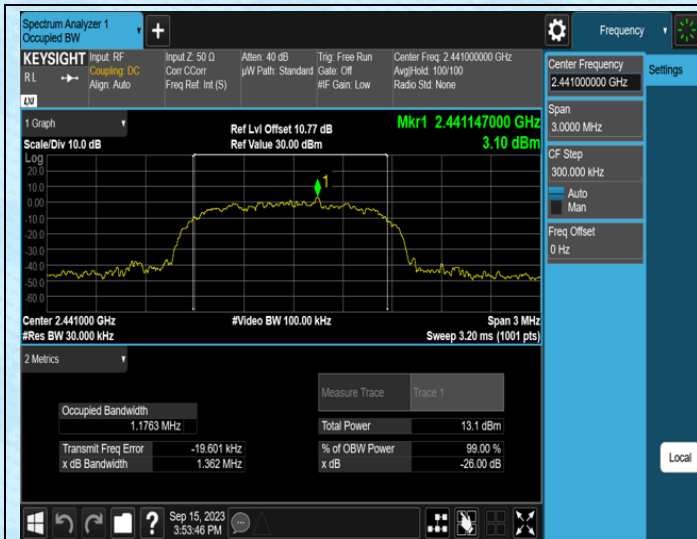
AppendixB: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.75893	2401.6075	2402.3664
DH5	Ant1	2441	0.76621	2440.6027	2441.3689
DH5	Ant1	2480	0.75870	2479.6077	2480.3664
2DH5	Ant1	2402	1.1865	2401.3873	2402.5738
2DH5	Ant1	2441	1.1763	2440.3923	2441.5686
2DH5	Ant1	2480	1.1771	2479.3934	2480.5705
3DH5	Ant1	2402	1.1967	2401.3827	2402.5794
3DH5	Ant1	2441	1.1906	2440.3873	2441.5779
3DH5	Ant1	2480	1.1829	2479.3899	2480.5728

Test Graphs





Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	9.32	≤30	PASS
DH5	Ant1	2441	9.42	≤30	PASS
DH5	Ant1	2480	9.33	≤30	PASS
2DH5	Ant1	2402	8.86	≤20.97	PASS
2DH5	Ant1	2441	9.14	≤20.97	PASS
2DH5	Ant1	2480	9.01	≤20.97	PASS
3DH5	Ant1	2402	9.3	≤20.97	PASS
3DH5	Ant1	2441	9.47	≤20.97	PASS
3DH5	Ant1	2480	9.42	≤20.97	PASS

The figure displays four screenshots of a Spectrum Analyzer interface, showing frequency response plots for different antennas. Each plot displays a yellow curve with a peak labeled 'Mkr1' and its frequency and power level. The interface includes various settings like Center Frequency, Span, and Resolution Bandwidth.

Top Left: DH5-Ant1-2402

- Center Frequency: 2.40200000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 10.67 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.401 976 GHz, 9.32 dBm

Top Right: DH5-Ant1-2441

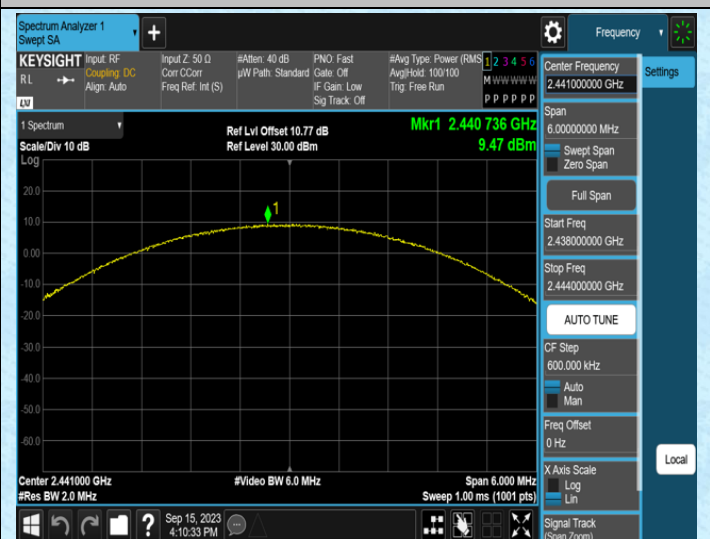
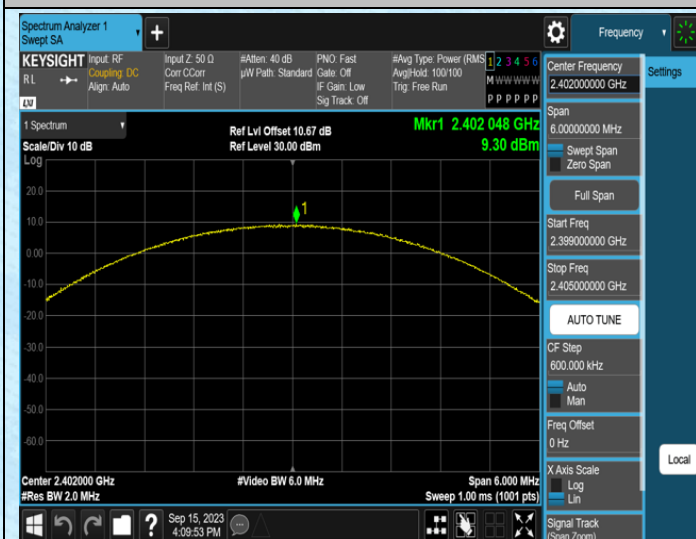
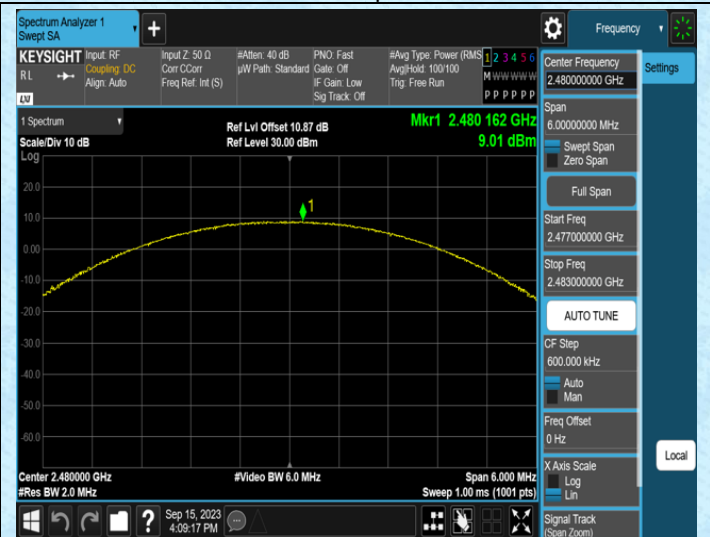
- Center Frequency: 2.44100000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 10.77 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.440 910 GHz, 9.42 dBm

Bottom Left: DH5-Ant1-2480

- Center Frequency: 2.48000000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 10.87 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.479 952 GHz, 9.32 dBm

Bottom Right: 2DH5-Ant1-2402

- Center Frequency: 2.40200000 GHz
- Span: 6.00000000 MHz
- Ref Lvl Offset: 10.67 dB
- Ref Level: 30.00 dBm
- Mkr1: 2.401 844 GHz, 8.86 dBm

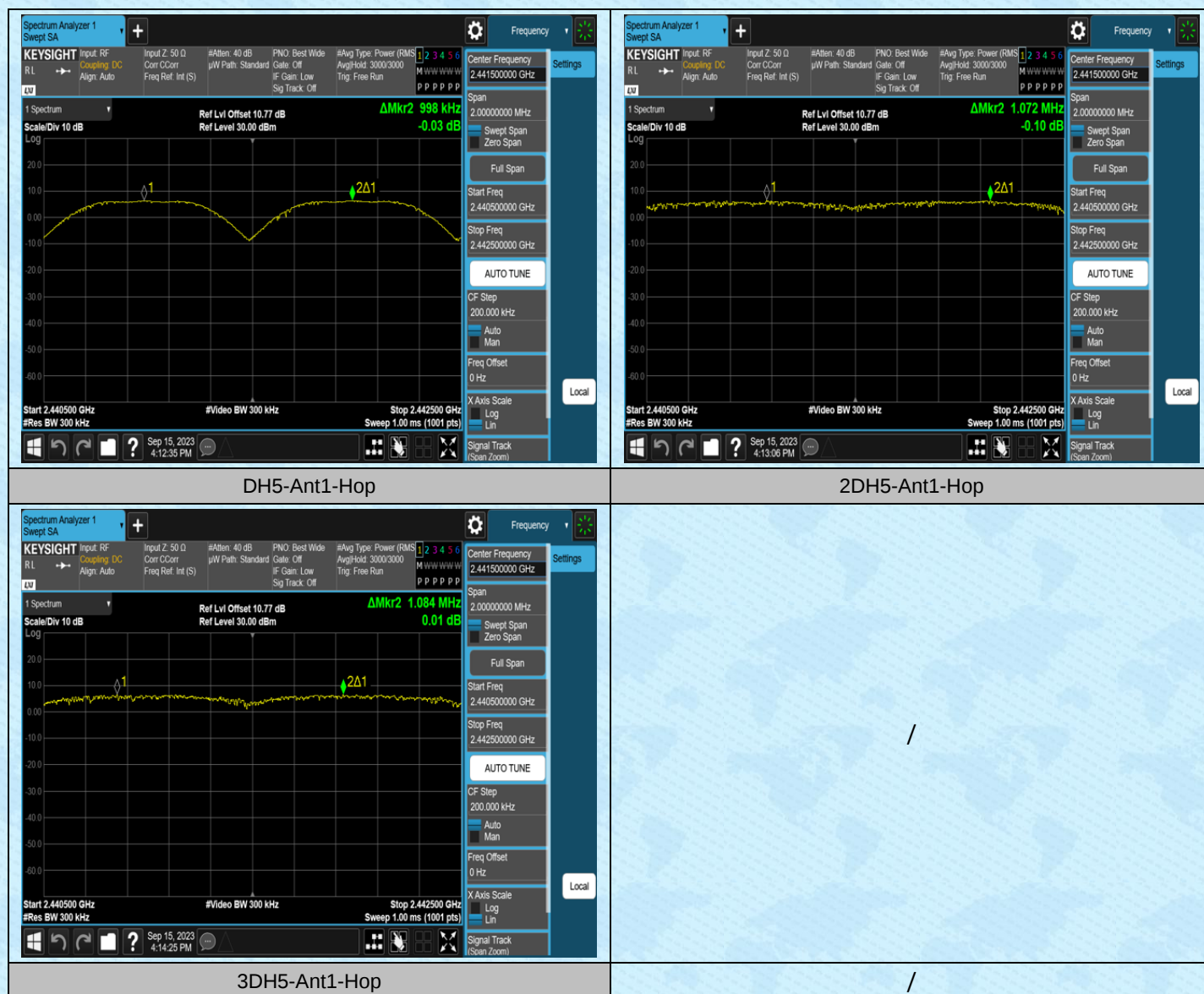


AppendixD: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.864	PASS
2DH5	Ant1	Hop	1.072	≥ 0.894	PASS
3DH5	Ant1	Hop	1.084	≥ 0.864	PASS

Test Graphs



AppendixE: Time of occupancy

Test Result

Test Mode	Antenna	Frequency[MHz]	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
DH1	Ant1	Hop	0.376	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.633	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.884	106.67	0.308	≤0.4	PASS
2DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.887	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.384	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS

Note:

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

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

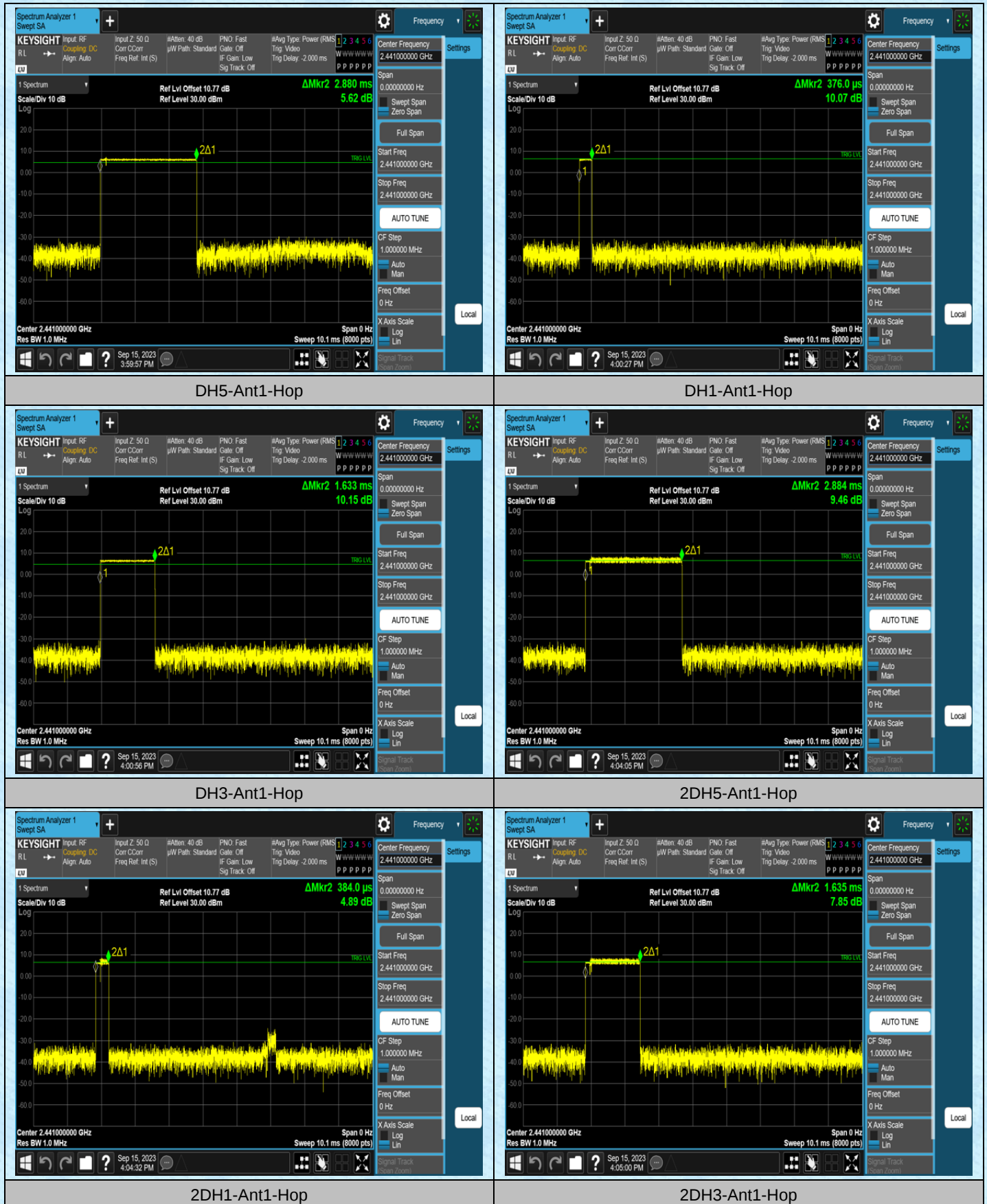
DH3/2DH3/3DH3: TotalHops=1600/79/4*0.4*79

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

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

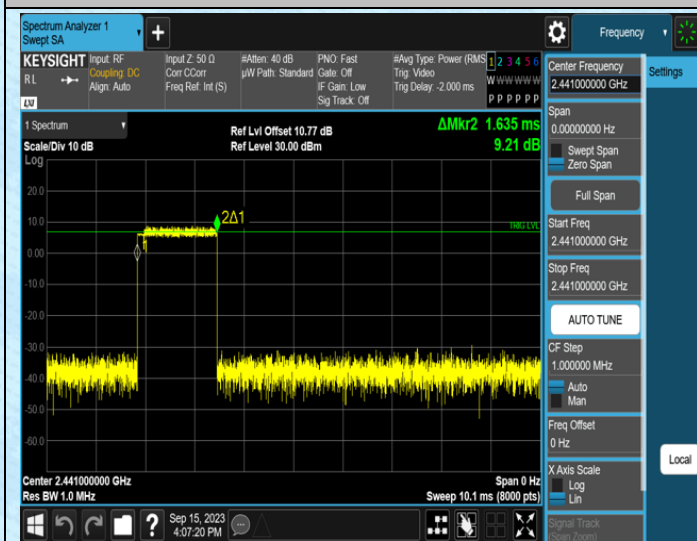
DH1/2DH1/3DH1: Time of occupancy=TotalHops* (BurstWidth) /1000

Test Graphs

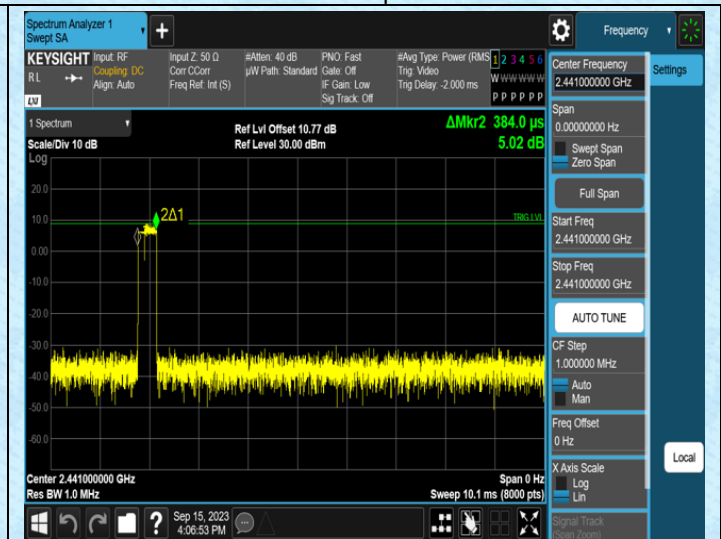




3DH5-Ant1-Hop



3DH3-Ant1-Hop



3DH1-Ant1-Hop



/

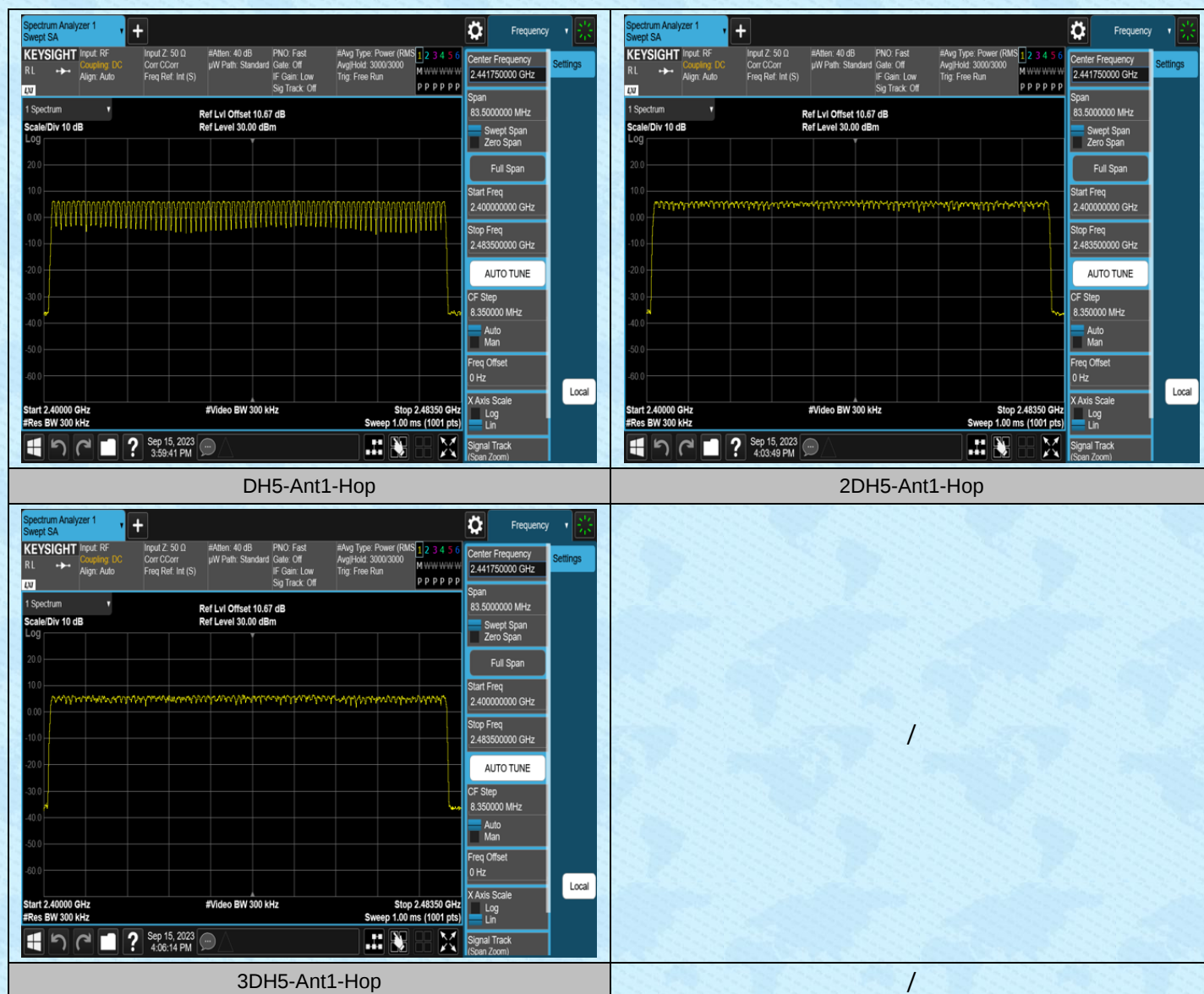
/

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	5.58	-48.51	≤-14.42	PASS
DH5	Ant1	High	2480	6.04	-48.62	≤-13.96	PASS
2DH5	Ant1	Low	2402	5.60	-49.25	≤-14.4	PASS
2DH5	Ant1	High	2480	5.96	-48.67	≤-14.04	PASS
3DH5	Ant1	Low	2402	5.68	-47.6	≤-14.32	PASS
3DH5	Ant1	High	2480	5.51	-48.67	≤-14.49	PASS
DH5	Ant1	Low	Hop_2402	5.41	-48.93	≤-14.59	PASS
DH5	Ant1	High	Hop_2480	5.46	-49.63	≤-14.54	PASS
2DH5	Ant1	Low	Hop_2402	4.30	-49.23	≤-15.7	PASS
2DH5	Ant1	High	Hop_2480	3.51	-48.67	≤-16.49	PASS
3DH5	Ant1	Low	Hop_2402	3.66	-49.99	≤-16.34	PASS
3DH5	Ant1	High	Hop_2480	5.01	-49.09	≤-14.99	PASS

Test Graphs

