

6.9.3 Test Data:

Ant 1: Left earphone

Mode3 / Polarization: Horizontal / CH: L

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	4804.000	59.86	0.53	60.39	74.00	-13.61	peak
2 *	4804.000	50.47	0.53	51.00	54.00	-3.00	AVG
3	7206.000	44.52	7.90	52.42	74.00	-21.58	peak
4	7206.000	35.36	7.90	43.26	54.00	-10.74	AVG
5	9608.000	45.52	8.85	54.37	74.00	-19.63	peak
6	9608.000	36.29	8.85	45.14	54.00	-8.86	AVG

Mode3 / Polarization: Vertical / CH: L

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1	4804.000	49.08	0.53	49.61	74.00	-24.39	peak
2	4804.000	39.61	0.53	40.14	54.00	-13.86	AVG
3	7206.000	44.06	7.90	51.96	74.00	-22.04	peak
4	7206.000	34.75	7.90	42.65	54.00	-11.35	AVG
5	9608.000	45.79	8.85	54.64	74.00	-19.36	peak
6 *	9608.000	36.42	8.85	45.27	54.00	-8.73	AVG

Mode3 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	57.46	0.57	58.03	74.00	-15.97	peak
2	*	4882.000	48.17	0.57	48.74	54.00	-5.26	AVG
3		7323.000	44.29	7.57	51.86	74.00	-22.14	peak
4		7323.000	35.01	7.57	42.58	54.00	-11.42	AVG
5		9764.000	45.17	9.33	54.50	74.00	-19.50	peak
6		9764.000	36.29	9.33	45.62	54.00	-8.38	AVG

Mode3 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	49.67	0.57	50.24	74.00	-23.76	peak
2		4882.000	41.01	0.57	41.58	54.00	-12.42	AVG
3		7323.000	44.56	7.57	52.13	74.00	-21.87	peak
4		7323.000	35.57	7.57	43.14	54.00	-10.86	AVG
5		9764.000	45.06	9.33	54.39	74.00	-19.61	peak
6	*	9764.000	35.93	9.33	45.26	54.00	-8.74	AVG

Mode3 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	58.81	0.66	59.47	74.00	-14.53	peak
2	*	4960.000	49.51	0.66	50.17	54.00	-3.83	AVG
3		7440.000	44.61	7.94	52.55	74.00	-21.45	peak
4		7440.000	35.32	7.94	43.26	54.00	-10.74	AVG
5		9920.000	46.31	9.69	56.00	74.00	-18.00	peak
6		9920.000	37.90	9.69	47.59	54.00	-6.41	AVG

Mode3 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	50.44	0.66	51.10	74.00	-22.90	peak
2		4960.000	41.70	0.66	42.36	54.00	-11.64	AVG
3		7440.000	44.69	7.94	52.63	74.00	-21.37	peak
4		7440.000	35.64	7.94	43.58	54.00	-10.42	AVG
5		9920.000	45.40	9.69	55.09	74.00	-18.91	peak
6	*	9920.000	36.56	9.69	46.25	54.00	-7.75	AVG

Ant 2: Right earphone

Mode3 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	58.71	0.53	59.24	74.00	-14.76	peak
2	*	4804.000	49.84	0.53	50.37	54.00	-3.63	AVG
3		7206.000	44.27	7.90	52.17	74.00	-21.83	peak
4		7206.000	35.36	7.90	43.26	54.00	-10.74	AVG
5		9608.000	47.13	8.85	55.98	74.00	-18.02	peak
6		9608.000	37.89	8.85	46.74	54.00	-7.26	AVG

Mode3 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	49.54	0.53	50.07	74.00	-23.93	peak
2		4804.000	40.83	0.53	41.36	54.00	-12.64	AVG
3		7206.000	43.36	7.9	51.26	74.00	-22.74	peak
4		7206.000	34.24	7.9	42.14	54.00	-11.86	AVG
5		9608.000	45.20	8.85	54.05	74.00	-19.95	peak
6	*	9608.000	36.41	8.85	45.26	54.00	-8.74	AVG

Mode3 / Polarization: Horizontal / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	59.47	0.57	60.04	74.00	-13.96	peak
2	*	4882.000	49.57	0.57	50.14	54.00	-3.86	AVG
3		7323.000	44.29	7.57	51.86	74.00	-22.14	peak
4		7323.000	34.90	7.57	42.47	54.00	-11.53	AVG
5		9764.000	44.91	9.33	54.24	74.00	-19.76	peak
6		9764.000	35.93	9.33	45.26	54.00	-8.74	AVG

Mode3 / Polarization: Vertical / CH: M

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4882.000	50.17	0.57	50.74	74.00	-23.26	peak
2		4882.000	40.70	0.57	41.27	54.00	-12.73	AVG
3		7323.000	44.65	7.57	52.22	74.00	-21.78	peak
4		7323.000	35.69	7.57	43.26	54.00	-10.74	AVG
5		9764.000	45.22	9.33	54.55	74.00	-19.45	peak
6	*	9764.000	36.35	9.33	45.68	54.00	-8.32	AVG

Mode3 / Polarization: Horizontal / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	56.87	0.66	57.53	74.00	-16.47	peak
2	*	4960.000	47.96	0.66	48.62	54.00	-5.38	AVG
3		7440.000	44.60	7.94	52.54	74.00	-21.46	peak
4		7440.000	35.31	7.94	43.25	54.00	-10.75	AVG
5		9920.000	46.02	9.69	55.71	74.00	-18.29	peak
6		9920.000	36.90	9.69	46.59	54.00	-7.41	AVG

Mode3 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4960.000	52.83	0.66	53.49	74.00	-20.51	peak
2		4960.000	43.70	0.66	44.36	54.00	-9.64	AVG
3		7440.000	43.90	7.94	51.84	74.00	-22.16	peak
4		7440.000	34.63	7.94	42.57	54.00	-11.43	AVG
5		9920.000	46.33	9.69	56.02	74.00	-17.98	peak
6	*	9920.000	37.93	9.69	47.62	54.00	-6.38	AVG

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.975
	Ant2	2402	0.963
	Ant1	2441	0.954
	Ant2	2441	0.963
	Ant1	2480	0.969
	Ant2	2480	0.969
2DH5	Ant1	2402	1.290
	Ant2	2402	1.281
	Ant1	2441	1.290
	Ant2	2441	1.284
	Ant1	2480	1.293
	Ant2	2480	1.284
3DH5	Ant1	2402	1.302
	Ant2	2402	1.287
	Ant1	2441	1.302
	Ant2	2441	1.293
	Ant1	2480	1.302
	Ant2	2480	1.284

Test Graphs





DH5_Ant1_2480



DH5_Ant2_2480



2DH5_Ant1_2402



2DH5_Ant2_2402



2DH5_Ant1_2441



2DH5_Ant2_2441



2DH5_Ant1_2480



2DH5_Ant2_2480



3DH5_Ant1_2402



3DH5_Ant2_2402



3DH5_Ant1_2441



3DH5_Ant2_2441



3DH5_Ant1_2480



3DH5_Ant2_2480

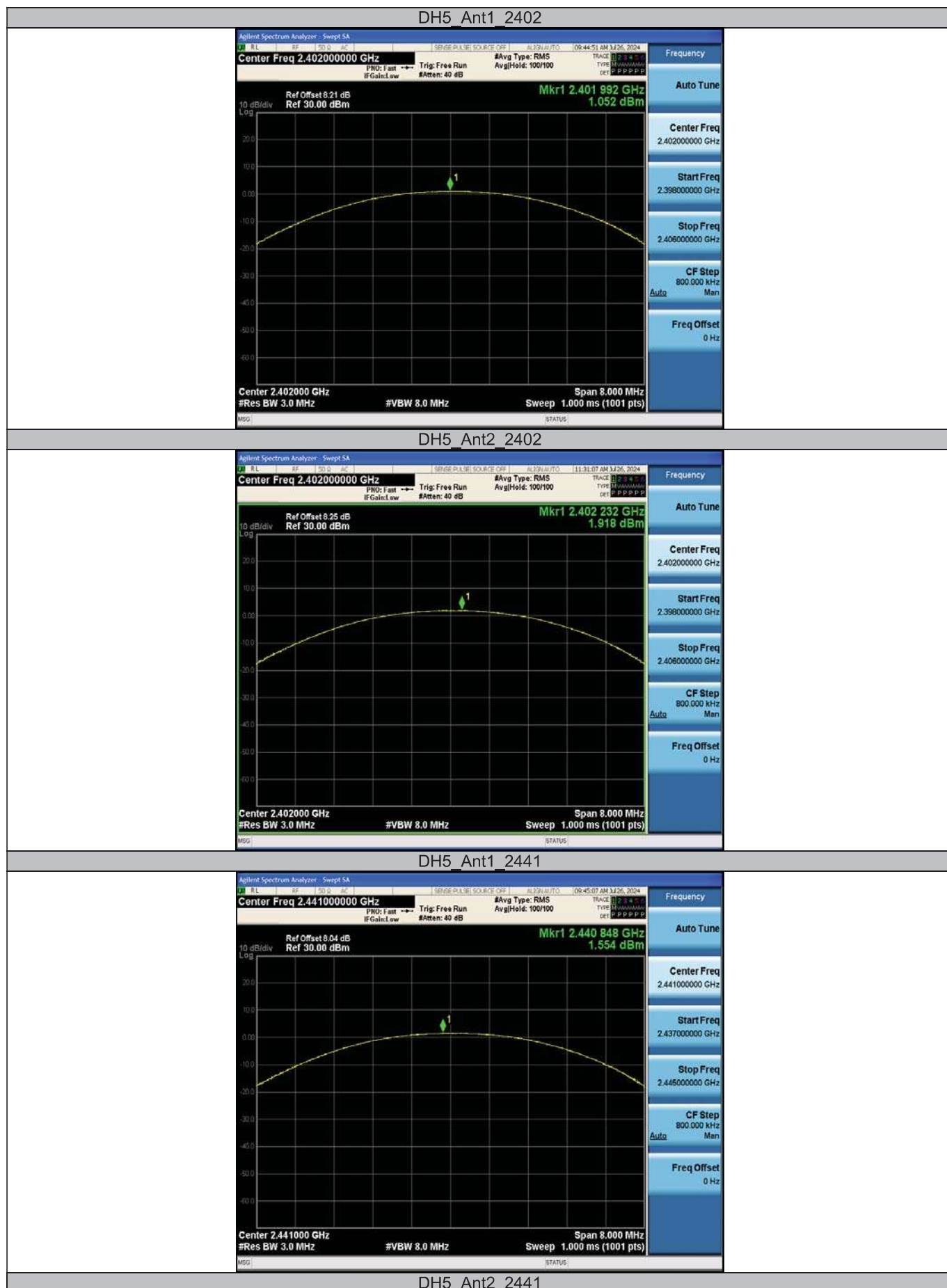


Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	1.05	≤30	PASS
	Ant2	2402	1.92	≤30	PASS
	Ant1	2441	1.55	≤30	PASS
	Ant2	2441	2.13	≤30	PASS
	Ant1	2480	2.77	≤30	PASS
	Ant2	2480	3.40	≤30	PASS
2DH5	Ant1	2402	1.88	≤20.97	PASS
	Ant2	2402	2.47	≤20.97	PASS
	Ant1	2441	2.42	≤20.97	PASS
	Ant2	2441	3.02	≤20.97	PASS
	Ant1	2480	3.67	≤20.97	PASS
	Ant2	2480	4.25	≤20.97	PASS
3DH5	Ant1	2402	2.59	≤20.97	PASS
	Ant2	2402	3.05	≤20.97	PASS
	Ant1	2441	3.09	≤20.97	PASS
	Ant2	2441	3.45	≤20.97	PASS
	Ant1	2480	4.40	≤20.97	PASS
	Ant2	2480	4.65	≤20.97	PASS

Test Graphs





DH5_Ant1_2480



DH5_Ant2_2480



2DH5_Ant1_2402







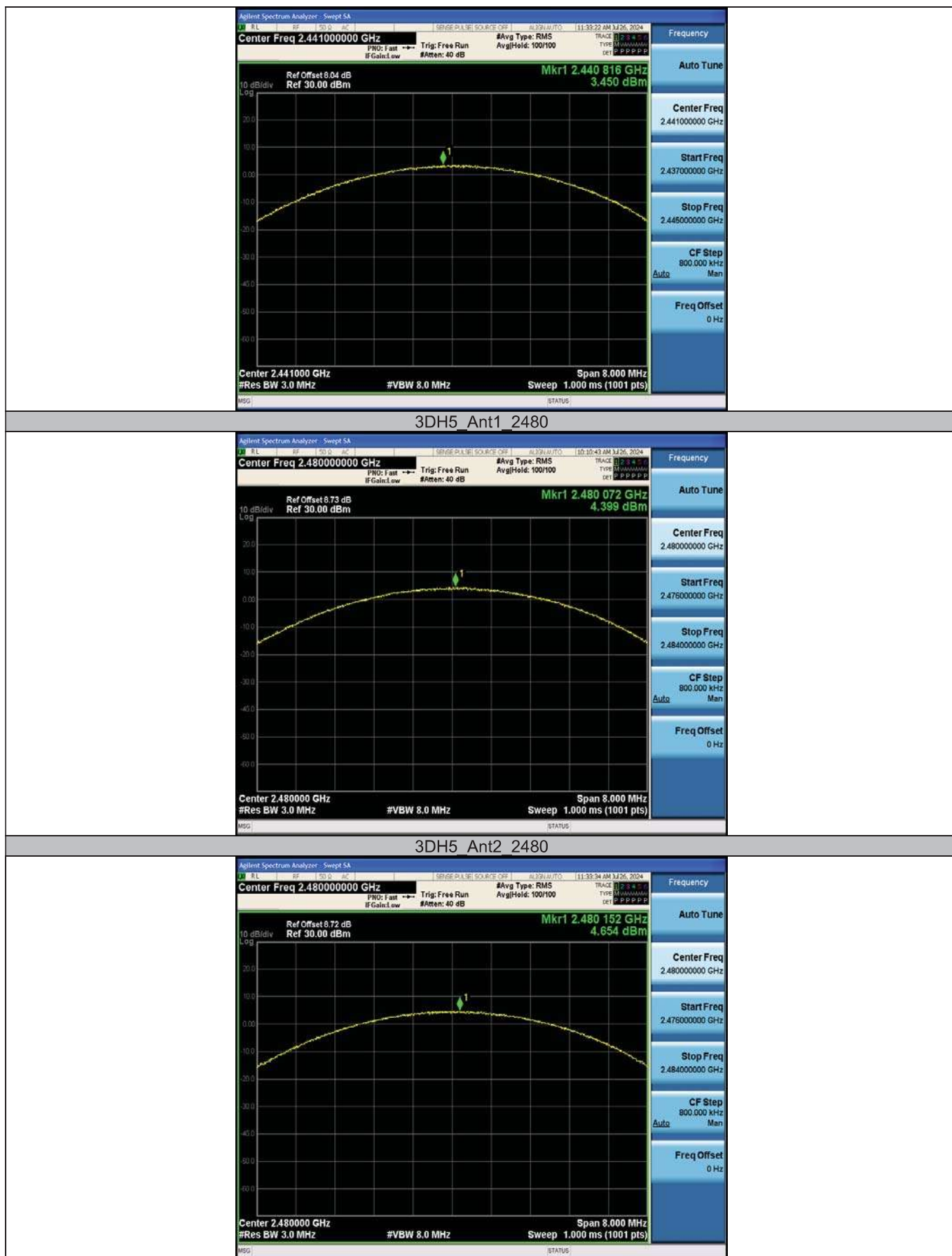
3DH5_Ant2_2402



3DH5_Ant1_2441



3DH5_Ant2_2441

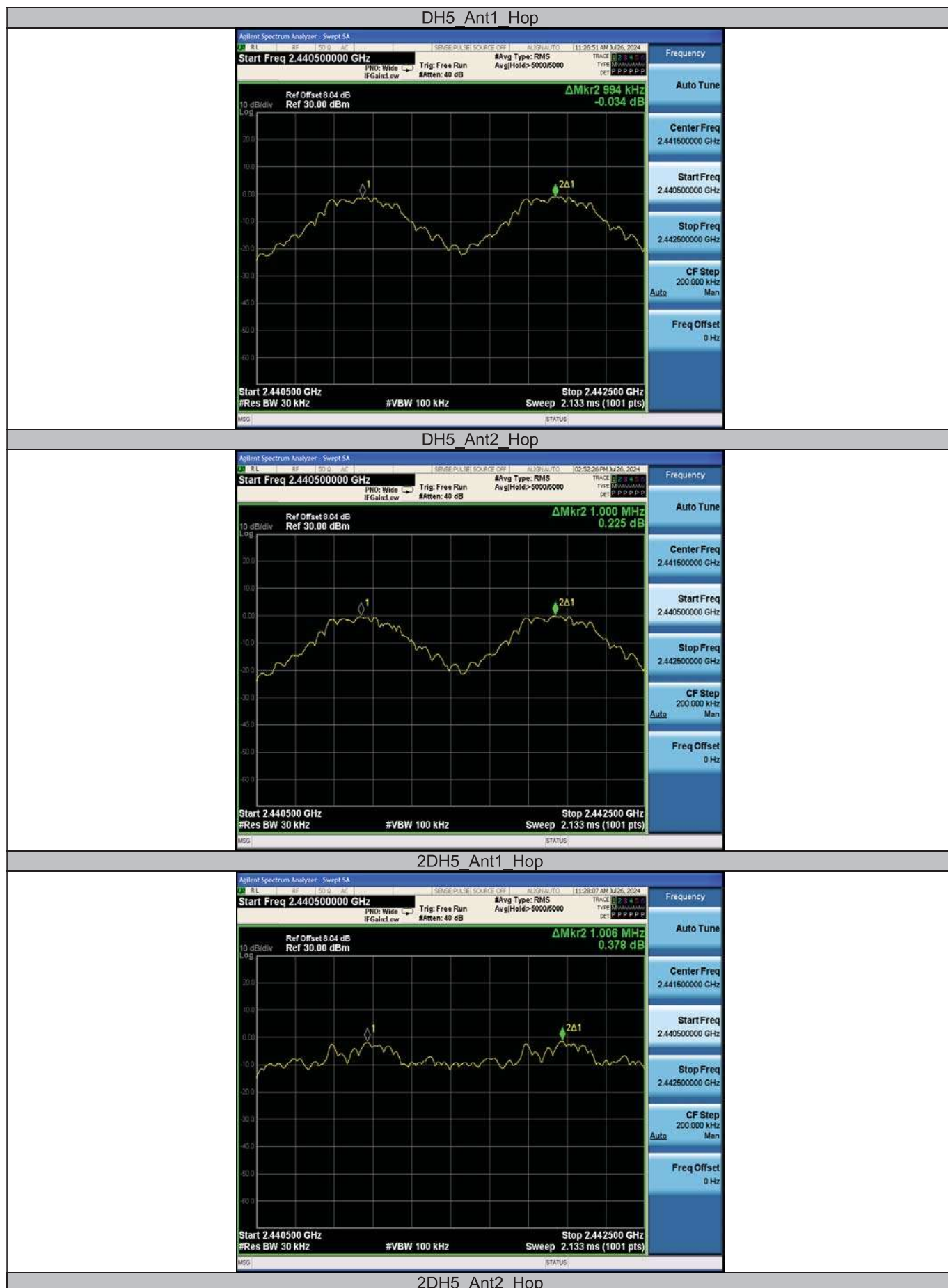


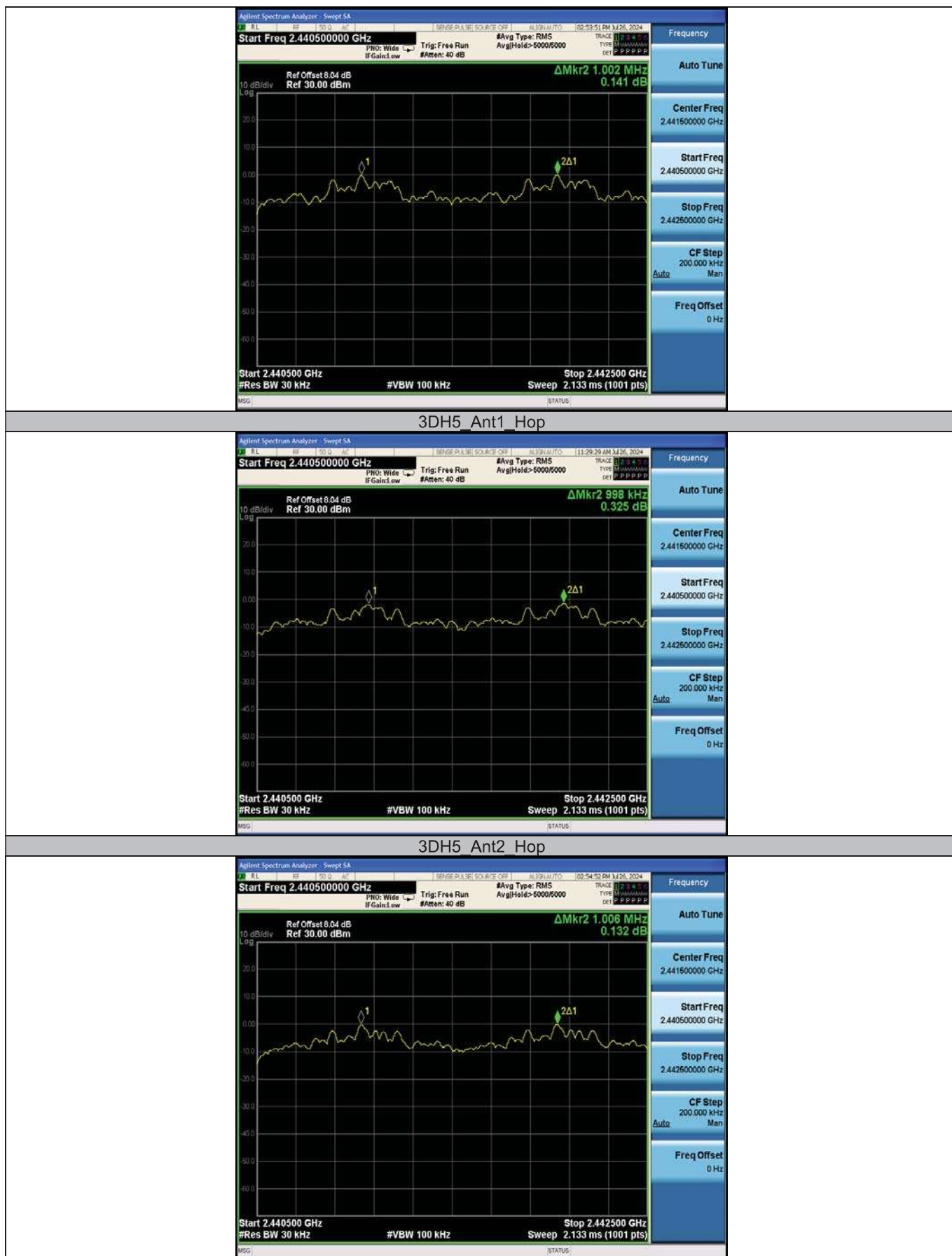
Appendix C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.98	≥ 0.65	PASS
	Ant2	Hop	1	≥ 0.646	PASS
2DH5	Ant1	Hop	1.006	≥ 0.862	PASS
	Ant2	Hop	1.002	≥ 0.862	PASS
3DH5	Ant1	Hop	0.998	≥ 0.868	PASS
	Ant2	Hop	1.006	≥ 0.868	PASS

Test Graphs





Appendix D: Time of occupancy

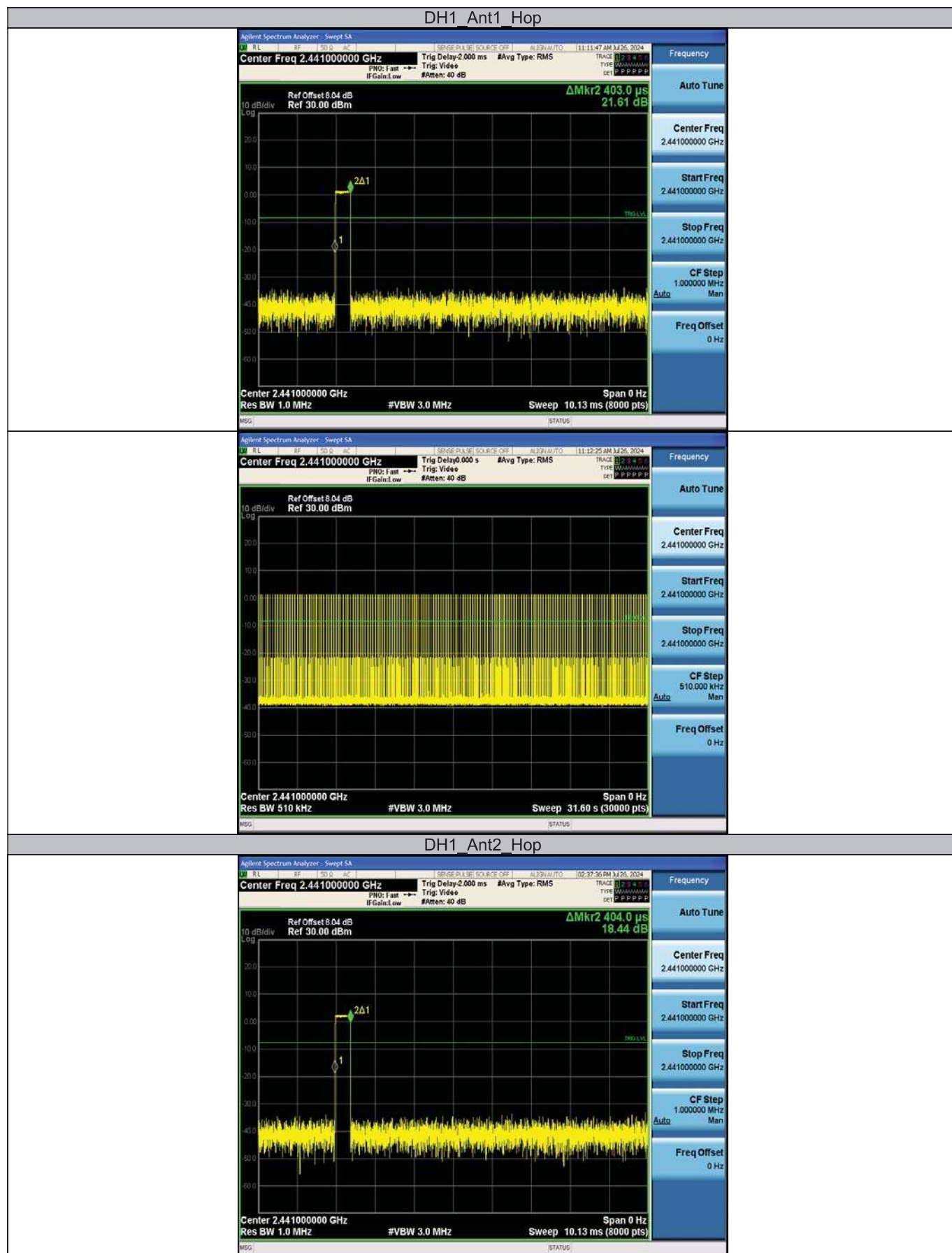
Test Result

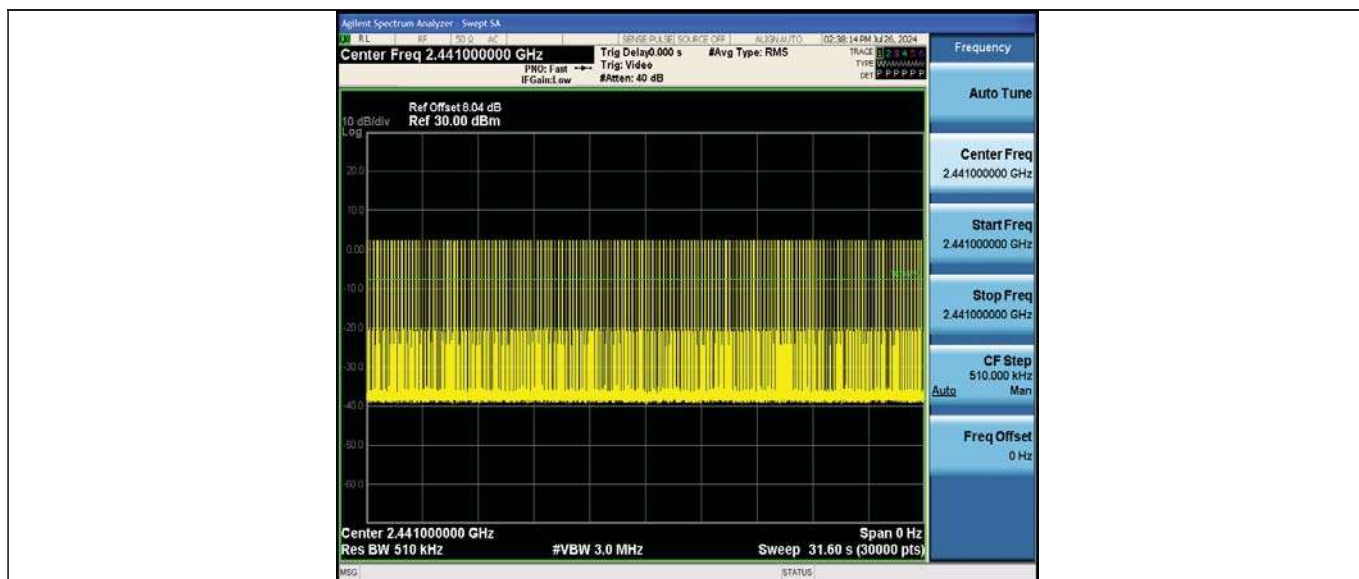
Test Mode	Antenna	Frequency [MHz]	BurstWidth [ms]	Hops in 31.6s [Num]	Result [s]	Limit [s]	Verdict
DH1	Ant1	Hop	0.403	318	0.128	≤0.4	PASS
	Ant2	Hop	0.404	317	0.128	≤0.4	PASS
DH3	Ant1	Hop	1.659	154	0.255	≤0.4	PASS
	Ant2	Hop	1.659	166	0.275	≤0.4	PASS
DH5	Ant1	Hop	2.907	105	0.305	≤0.4	PASS
	Ant2	Hop	2.907	116	0.337	≤0.4	PASS
2DH1	Ant1	Hop	0.413	315	0.13	≤0.4	PASS
	Ant2	Hop	0.414	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.664	150	0.25	≤0.4	PASS
	Ant2	Hop	1.666	159	0.265	≤0.4	PASS
2DH5	Ant1	Hop	2.912	121	0.352	≤0.4	PASS
	Ant2	Hop	2.913	105	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.414	317	0.131	≤0.4	PASS
	Ant2	Hop	0.414	319	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.664	162	0.27	≤0.4	PASS
	Ant2	Hop	1.666	163	0.272	≤0.4	PASS
3DH5	Ant1	Hop	2.915	89	0.259	≤0.4	PASS
	Ant2	Hop	2.916	111	0.324	≤0.4	PASS

Notes:

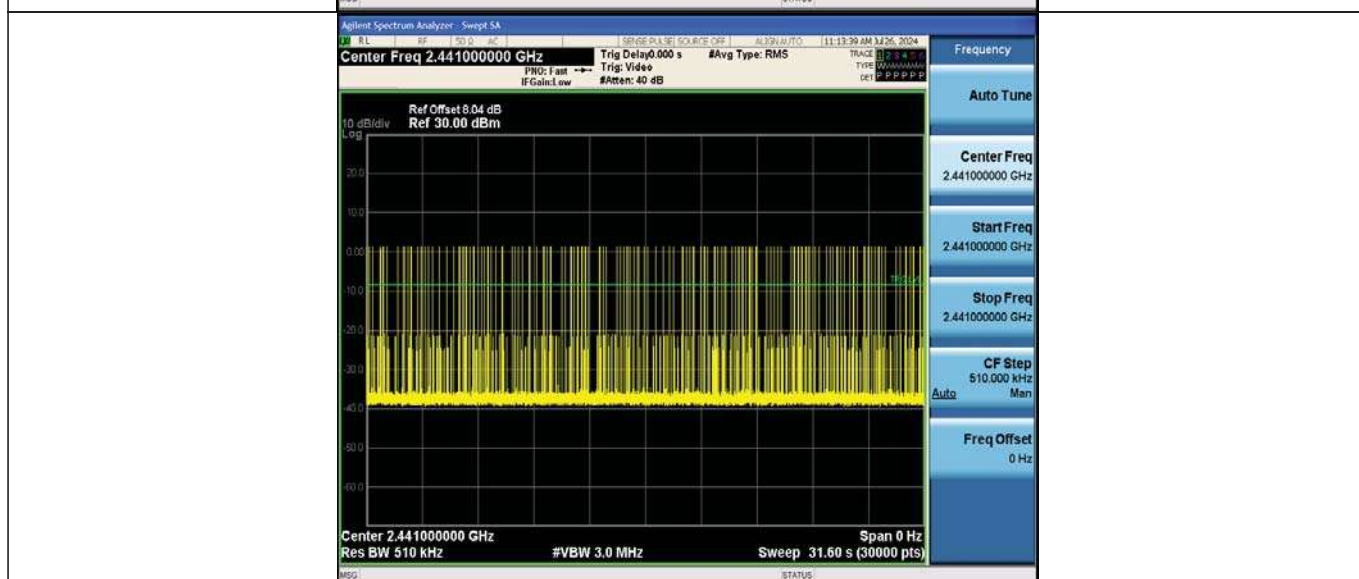
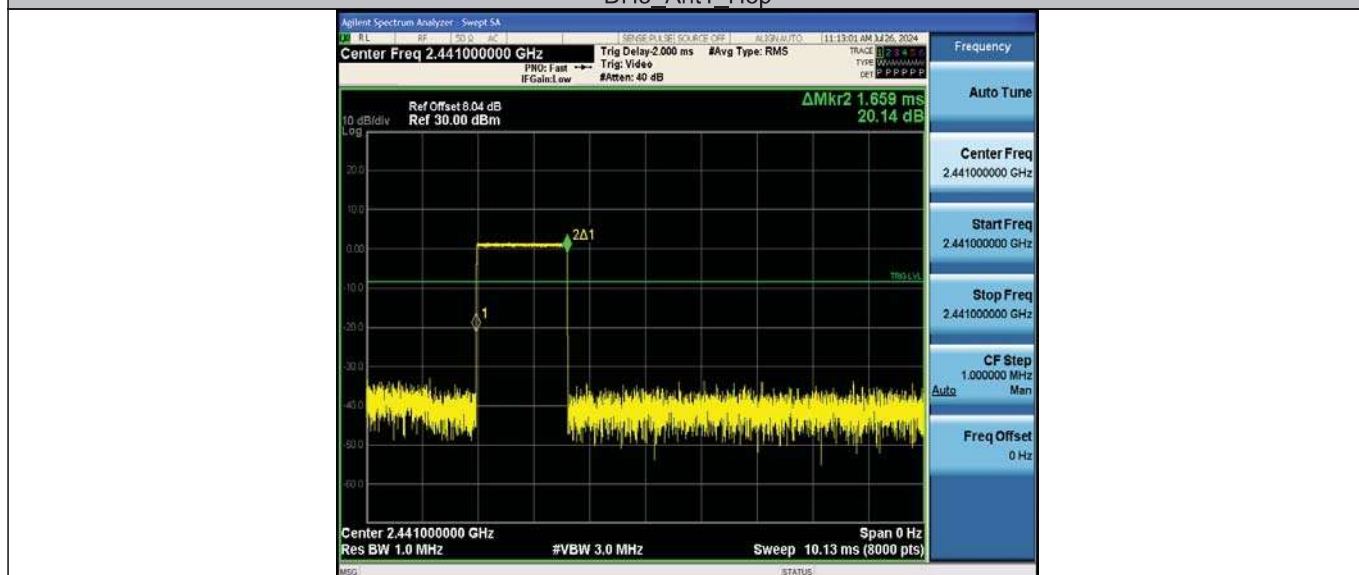
1. Period time = 0.4s * 79 = 31.6s
2. Result (Time of occupancy) = BurstWidth[ms] * Hops in 31.6s [Num]

Test Graphs

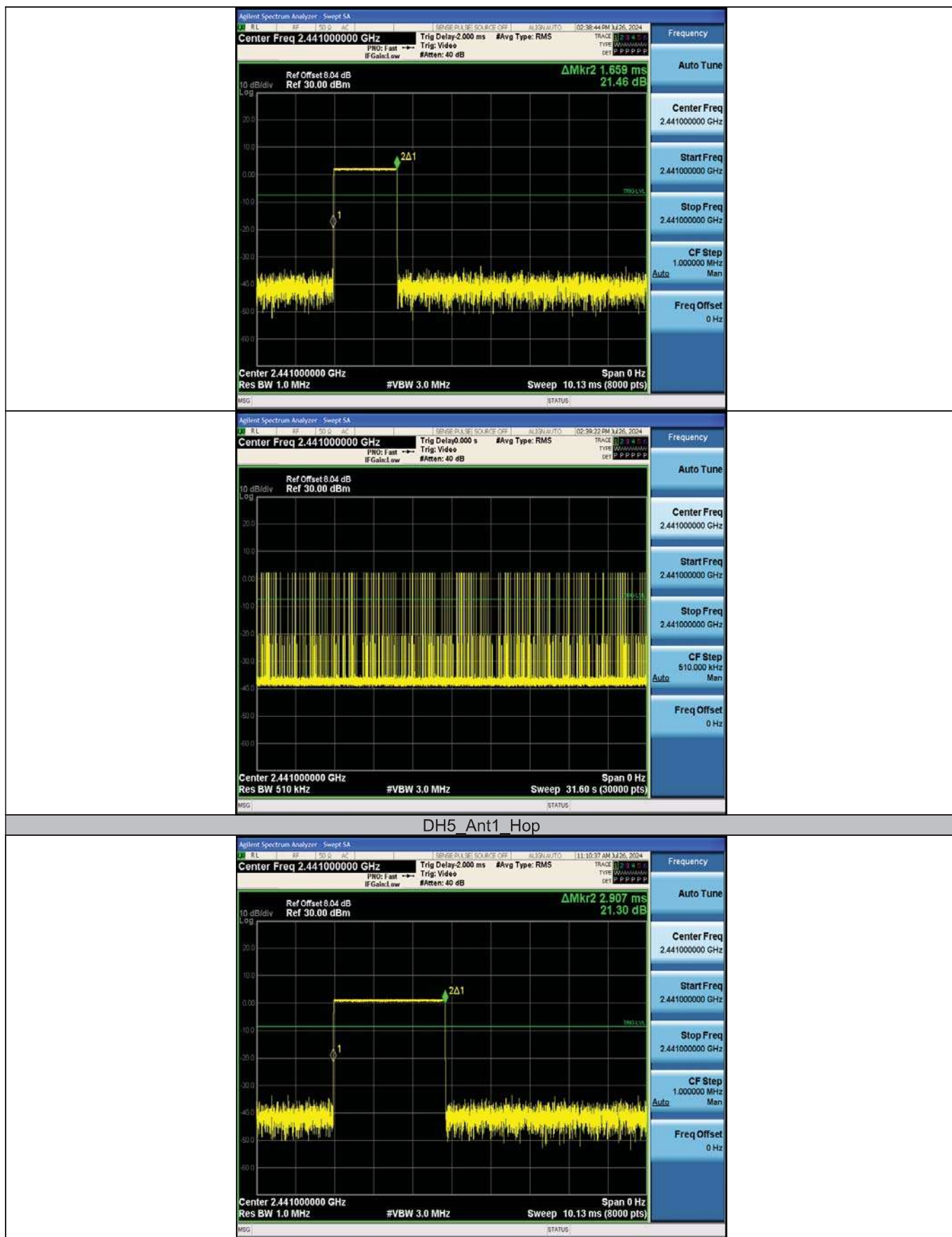


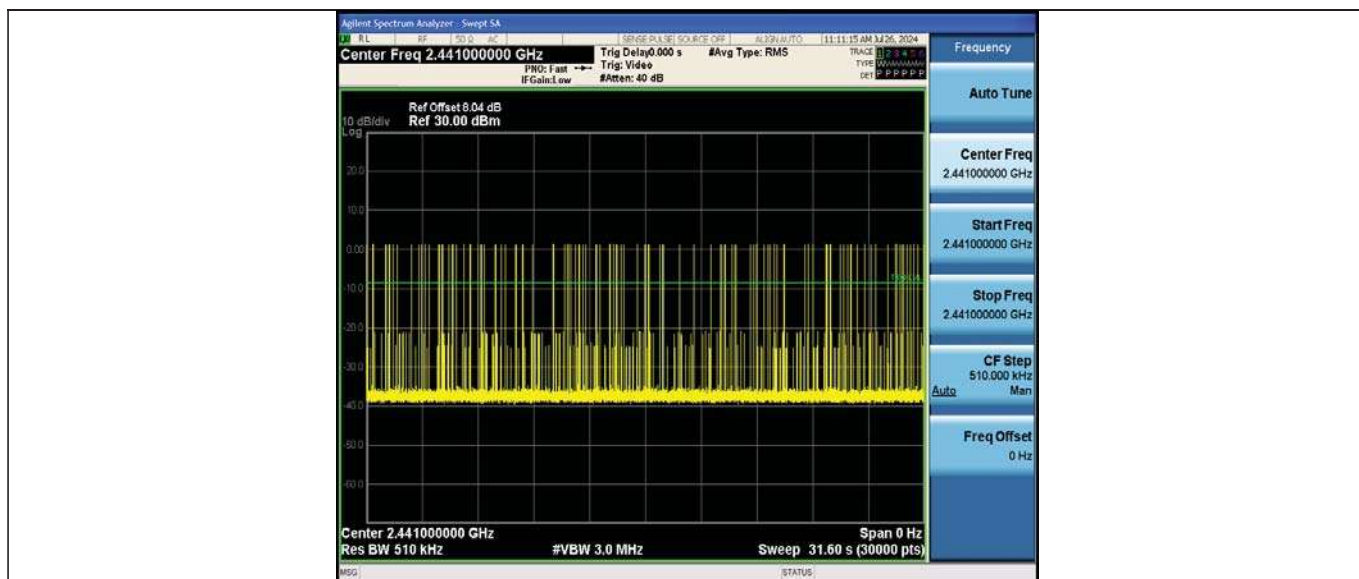


DH3_Ant1_Hop

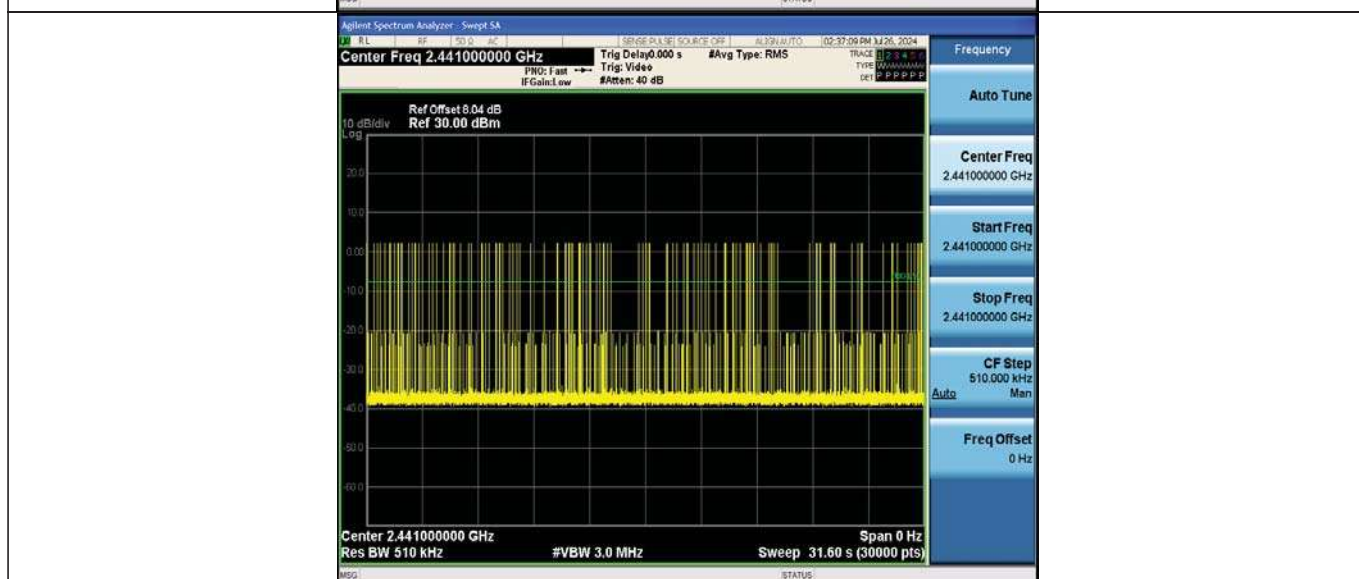
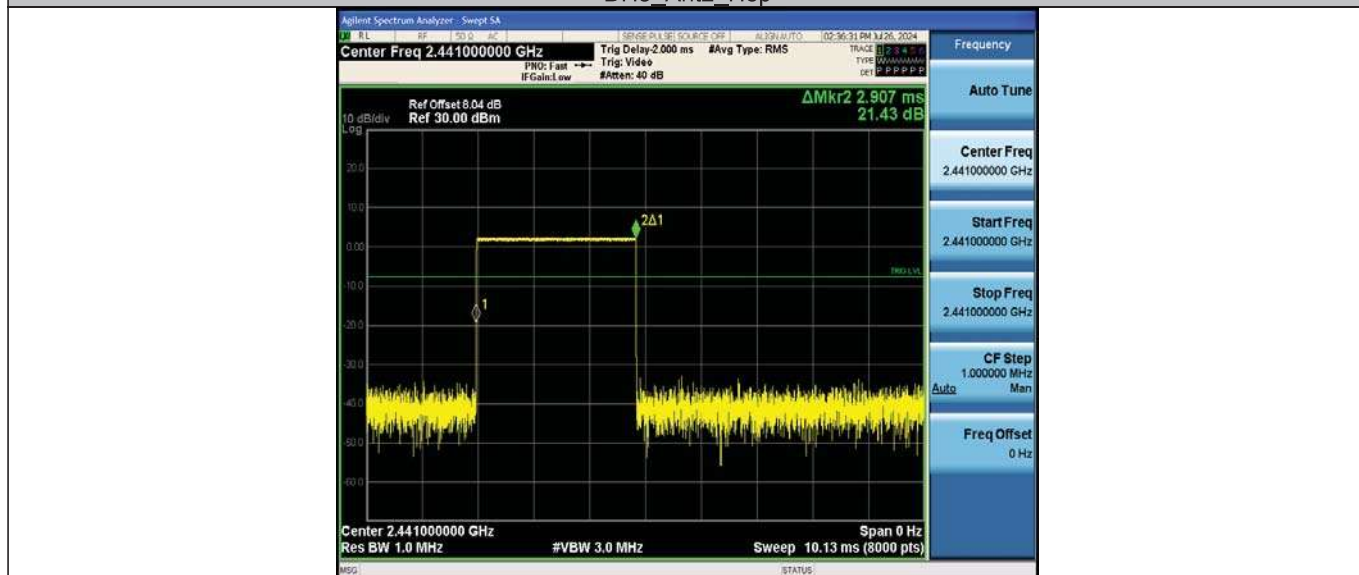


DH3_Ant2_Hop





DH5_Ant2_Hop



2DH1_Ant1_Hop