

6.9.3 Test Data:

ANT1:

Mode3 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	51.12	-7.40	43.72	74.00	-30.28	peak
2		4804.000	45.05	-7.40	37.65	54.00	-16.35	AVG
3		7206.000	46.60	0.96	47.56	74.00	-26.44	peak
4		7206.000	40.55	0.96	41.51	54.00	-12.49	AVG
5		9608.000	48.26	2.16	50.42	74.00	-23.58	peak
6	*	9608.000	42.16	2.16	44.32	54.00	-9.68	AVG

Mode3 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	49.44	-7.40	42.04	74.00	-31.96	peak
2		4804.000	43.52	-7.40	36.12	54.00	-17.88	AVG
3		7206.000	47.59	0.96	48.55	74.00	-25.45	peak
4		7206.000	41.40	0.96	42.36	54.00	-11.64	AVG
5		9608.000	48.70	2.16	50.86	74.00	-23.14	peak
6	*	9608.000	42.53	2.16	44.69	54.00	-9.31	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	49.90	-7.44	42.46	74.00	-31.54	peak
2		4882.000	43.79	-7.44	36.35	54.00	-17.65	AVG
3		7323.000	47.17	0.79	47.96	74.00	-26.04	peak
4		7323.000	41.03	0.79	41.82	54.00	-12.18	AVG
5		9764.000	48.87	3.14	52.01	74.00	-21.99	peak
6	*	9764.000	43.21	3.14	46.35	54.00	-7.65	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	49.39	-7.44	41.95	74.00	-32.05	peak
2		4882.000	43.11	-7.44	35.67	54.00	-18.33	AVG
3		7323.000	46.90	0.79	47.69	74.00	-26.31	peak
4		7323.000	40.83	0.79	41.62	54.00	-12.38	AVG
5		9764.000	47.81	3.14	50.95	74.00	-23.05	peak
6	*	9764.000	41.82	3.14	44.96	54.00	-9.04	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	50.99	-7.20	43.79	74.00	-30.21	peak
2		4960.000	44.85	-7.20	37.65	54.00	-16.35	AVG
3		7440.000	46.88	0.98	47.86	74.00	-26.14	peak
4		7440.000	40.64	0.98	41.62	54.00	-12.38	AVG
5		9920.000	47.49	3.02	50.51	74.00	-23.49	peak
6	*	9920.000	41.52	3.02	44.54	54.00	-9.46	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	50.37	-7.20	43.17	74.00	-30.83	peak
2		4960.000	44.32	-7.20	37.12	54.00	-16.88	AVG
3		7440.000	47.40	0.98	48.38	74.00	-25.62	peak
4		7440.000	41.38	0.98	42.36	54.00	-11.64	AVG
5		9920.000	47.77	3.02	50.79	74.00	-23.21	peak
6	*	9920.000	41.63	3.02	44.65	54.00	-9.35	AVG

ANT2:

Mode3 / Polarization: Horizontal / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	55.81	-7.40	48.41	74.00	-25.59	peak
2		4804.000	49.66	-7.40	42.26	54.00	-11.74	AVG
3		7206.000	47.34	0.96	48.30	74.00	-25.70	peak
4		7206.000	41.21	0.96	42.17	54.00	-11.83	AVG
5		9608.000	49.42	2.16	51.58	74.00	-22.42	peak
6	*	9608.000	43.58	2.16	45.74	54.00	-8.26	AVG

Mode3 / Polarization: Vertical / CH: L

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		4804.000	52.55	-7.40	45.15	74.00	-28.85	peak
2		4804.000	46.61	-7.40	39.21	54.00	-14.79	AVG
3		7206.000	48.14	0.96	49.10	74.00	-24.90	peak
4		7206.000	42.16	0.96	43.12	54.00	-10.88	AVG
5		9608.000	49.33	2.16	51.49	74.00	-22.51	peak
6	*	9608.000	43.20	2.16	45.36	54.00	-8.64	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	49.41	-7.44	41.97	74.00	-32.03	peak
2		4882.000	42.98	-7.44	35.54	54.00	-18.46	AVG
3		7323.000	48.10	0.79	48.89	74.00	-25.11	peak
4		7323.000	42.05	0.79	42.84	54.00	-11.16	AVG
5		9764.000	48.54	3.14	51.68	74.00	-22.32	peak
6	*	9764.000	42.43	3.14	45.57	54.00	-8.43	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	55.97	-7.44	48.53	74.00	-25.47	peak
2		4882.000	49.98	-7.44	42.54	54.00	-11.46	AVG
3		7323.000	48.54	0.79	49.33	74.00	-24.67	peak
4		7323.000	42.57	0.79	43.36	54.00	-10.64	AVG
5		9764.000	48.78	3.14	51.92	74.00	-22.08	peak
6	*	9764.000	42.55	3.14	45.69	54.00	-8.31	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	53.99	-7.20	46.79	74.00	-27.21	peak
2		4960.000	47.76	-7.20	40.56	54.00	-13.44	AVG
3		7440.000	47.09	0.98	48.07	74.00	-25.93	peak
4		7440.000	41.14	0.98	42.12	54.00	-11.88	AVG
5		9920.000	48.08	3.02	51.10	74.00	-22.90	peak
6	*	9920.000	42.34	3.02	45.36	54.00	-8.64	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	51.80	-7.20	44.60	74.00	-29.40	peak
2		4960.000	45.85	-7.20	38.65	54.00	-15.35	AVG
3		7440.000	47.05	0.98	48.03	74.00	-25.97	peak
4		7440.000	41.14	0.98	42.12	54.00	-11.88	AVG
5		9920.000	48.38	3.02	51.40	74.00	-22.60	peak
6	*	9920.000	42.30	3.02	45.32	54.00	-8.68	AVG

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

ANT1 is Left earphone
ANT 2 is Right earphone.

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]
DH5	Ant1	2402	0.966
	Ant2	2402	0.969
	Ant1	2441	0.966
	Ant2	2441	0.966
	Ant1	2480	0.966
	Ant2	2480	0.960
2DH5	Ant1	2402	1.296
	Ant2	2402	1.323
	Ant1	2441	1.287
	Ant2	2441	1.314
	Ant1	2480	1.272
	Ant2	2480	1.284
3DH5	Ant1	2402	1.305
	Ant2	2402	1.299
	Ant1	2441	1.296
	Ant2	2441	1.290
	Ant1	2480	1.311
	Ant2	2480	1.311

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

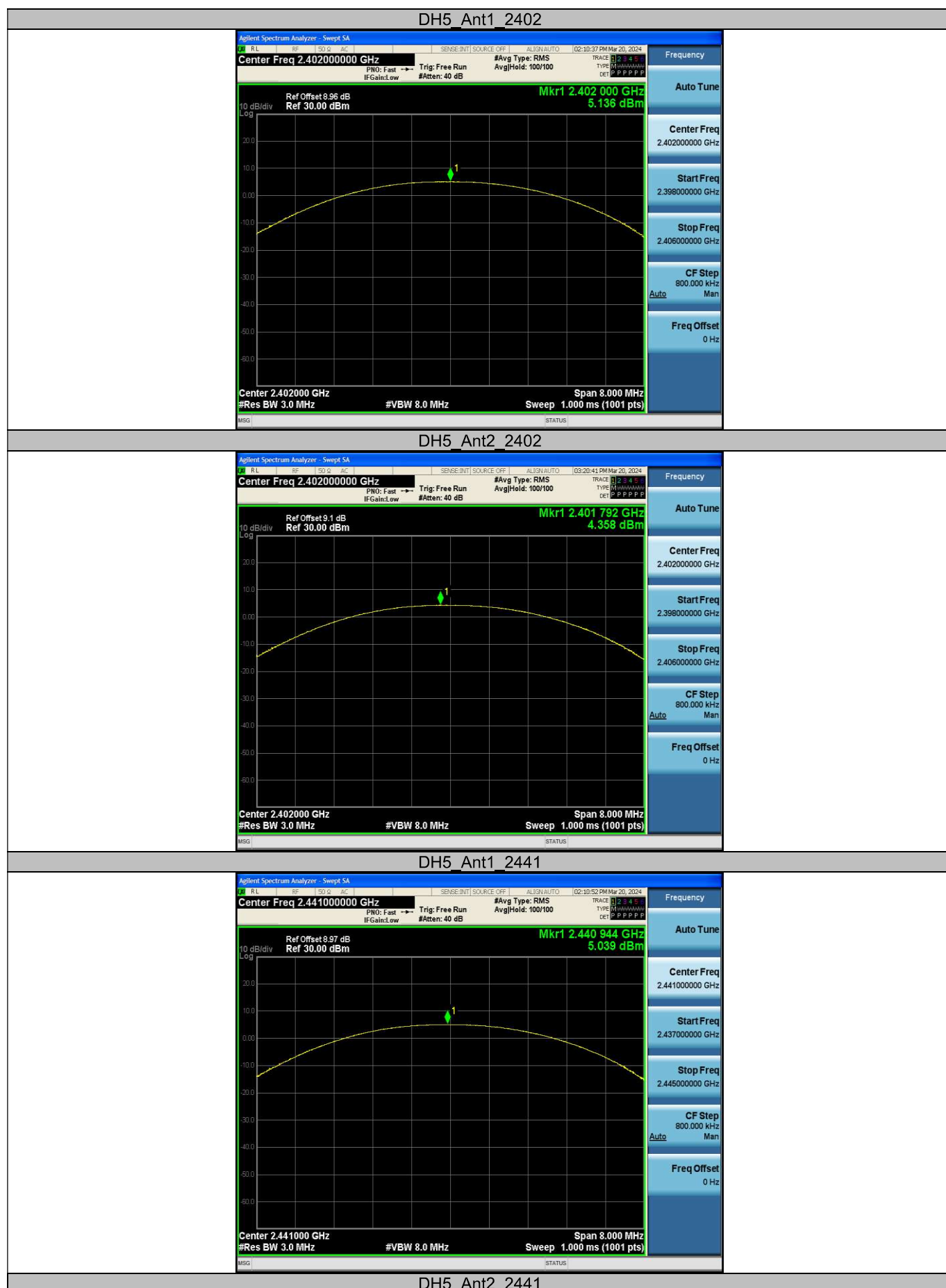


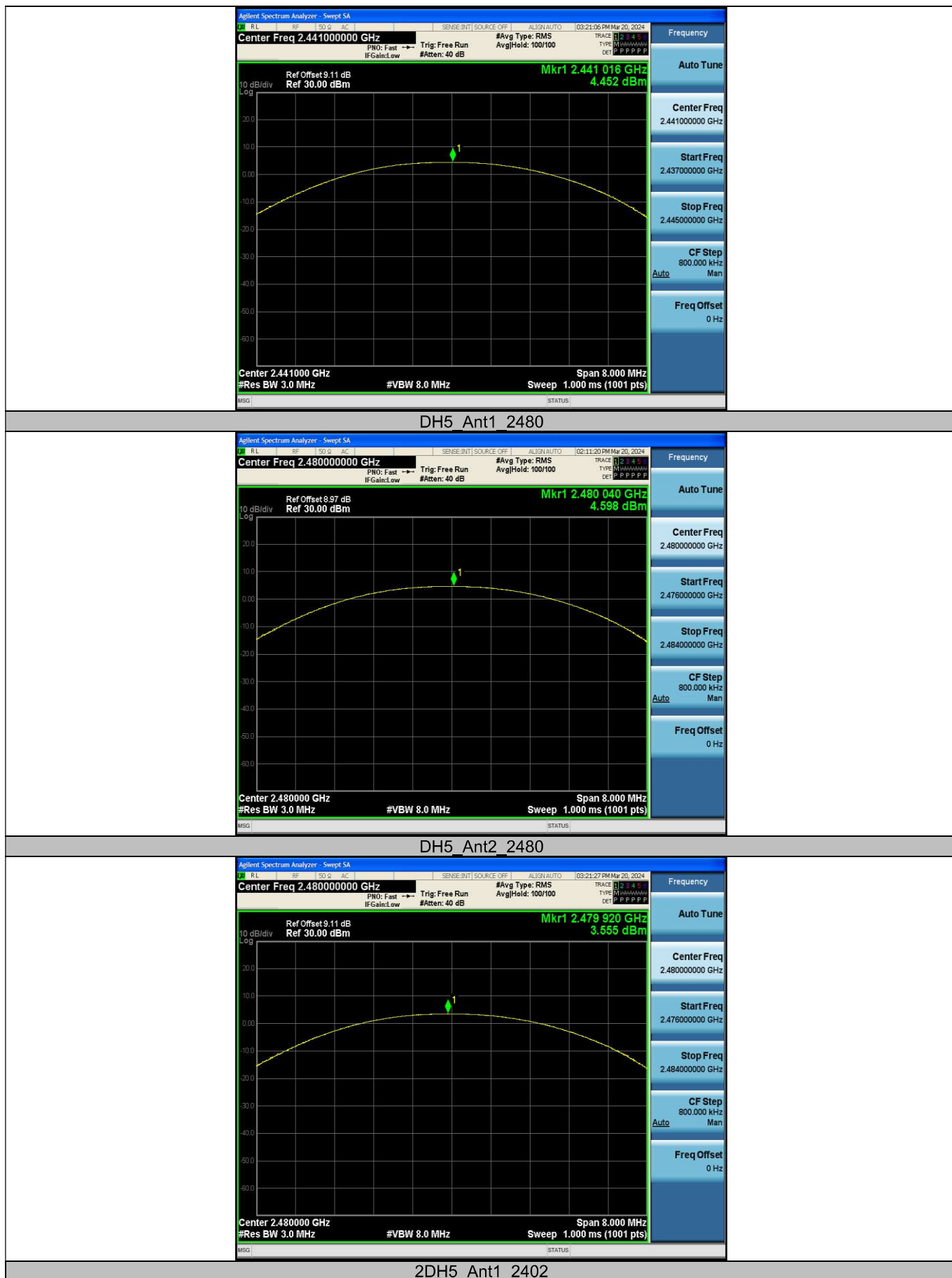
Appendix B: Maximum conducted output power

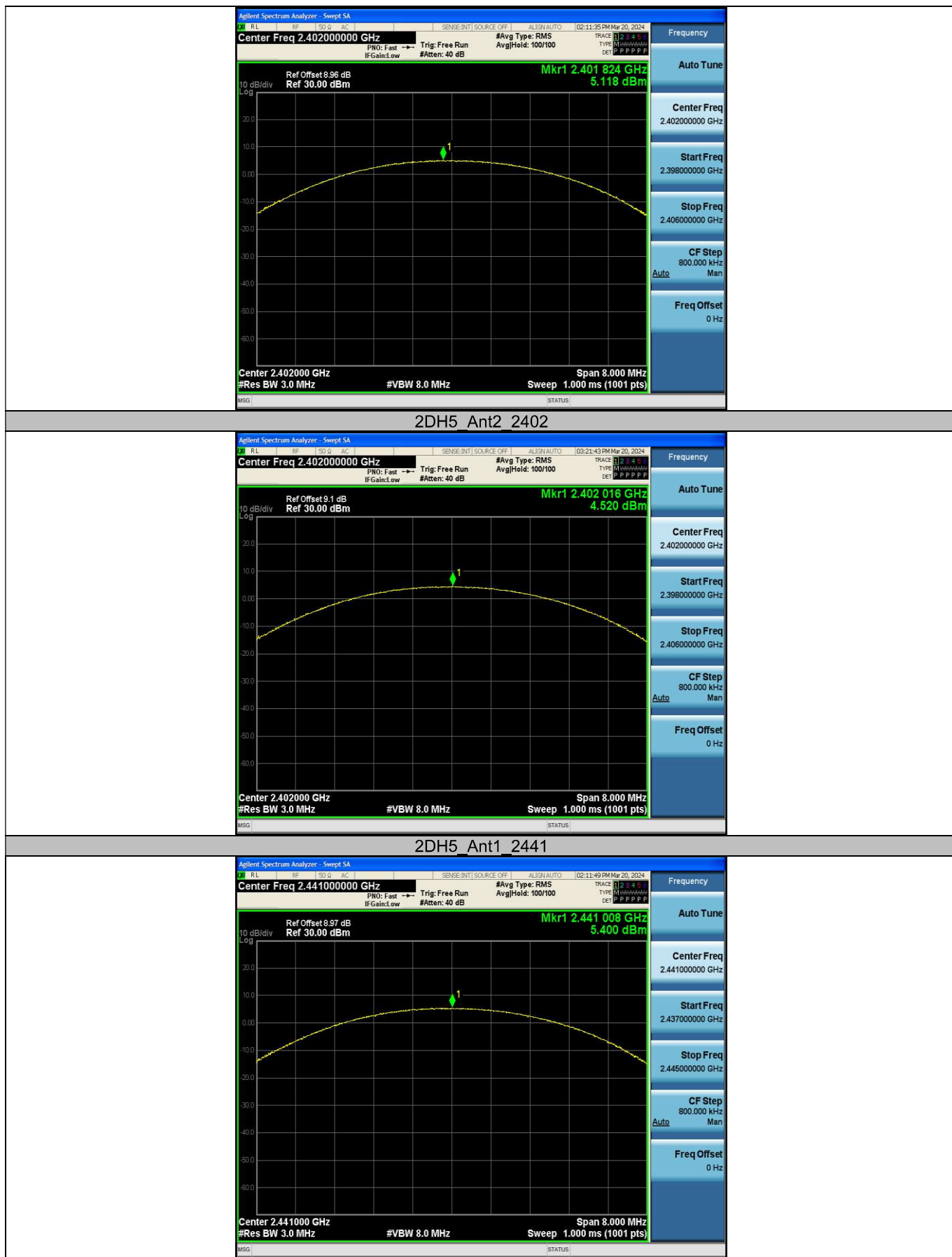
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	5.14	≤20.97	PASS
	Ant2	2402	4.36	≤20.97	PASS
	Ant1	2441	5.04	≤20.97	PASS
	Ant2	2441	4.45	≤20.97	PASS
	Ant1	2480	4.60	≤20.97	PASS
	Ant2	2480	3.56	≤20.97	PASS
2DH5	Ant1	2402	5.12	≤20.97	PASS
	Ant2	2402	4.52	≤20.97	PASS
	Ant1	2441	5.40	≤20.97	PASS
	Ant2	2441	4.53	≤20.97	PASS
	Ant1	2480	4.73	≤20.97	PASS
	Ant2	2480	4.08	≤20.97	PASS
3DH5	Ant1	2402	5.77	≤20.97	PASS
	Ant2	2402	5.02	≤20.97	PASS
	Ant1	2441	6.08	≤20.97	PASS
	Ant2	2441	5.34	≤20.97	PASS
	Ant1	2480	5.46	≤20.97	PASS
	Ant2	2480	4.60	≤20.97	PASS

Test Graphs







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 C: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.966	PASS
	Ant2	Hop	1.006	≥ 0.966	PASS
2DH5	Ant1	Hop	0.998	≥ 0.864	PASS
	Ant2	Hop	0.996	≥ 0.864	PASS
3DH5	Ant1	Hop	1	≥ 0.874	PASS
	Ant2	Hop	1.004	≥ 0.874	PASS

2DH5 Ant2 Hop



3DH5 Ant1 Hop



3DH5 Ant2 Hop



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	0.381	314	0.12	≤0.4	PASS
	Ant2	Hop	0.381	307	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.638	167	0.274	≤0.4	PASS
	Ant2	Hop	1.638	160	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.885	111	0.32	≤0.4	PASS
	Ant2	Hop	2.884	115	0.332	≤0.4	PASS
2DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
	Ant2	Hop	0.390	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.642	166	0.273	≤0.4	PASS
	Ant2	Hop	1.642	158	0.259	≤0.4	PASS
2DH5	Ant1	Hop	2.891	114	0.33	≤0.4	PASS
	Ant2	Hop	2.891	104	0.301	≤0.4	PASS
3DH1	Ant1	Hop	0.389	317	0.123	≤0.4	PASS
	Ant2	Hop	0.390	318	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	159	0.261	≤0.4	PASS
	Ant2	Hop	1.640	150	0.246	≤0.4	PASS
3DH5	Ant1	Hop	2.892	119	0.344	≤0.4	PASS
	Ant2	Hop	2.893	104	0.301	≤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

