

11. TEST DATA

11.1. APPENDIX A: 20DB EMISSION BANDWIDTH

11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant0	2402	0.954	2401.532	2402.486	PASS
		2441	0.957	2440.532	2441.489	PASS
		2480	0.960	2479.529	2480.489	PASS
3DH5	Ant0	2402	1.323	2401.331	2402.654	PASS
		2441	1.299	2440.355	2441.654	PASS
		2480	1.338	2479.325	2480.663	PASS

11.1.2. Test Graphs





11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH**11.2.1. Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant0	2402	0.89197	2401.5544	2402.4464	PASS
		2441	0.87805	2440.5569	2441.4350	PASS
		2480	0.88598	2479.5550	2480.4410	PASS
3DH5	Ant0	2402	1.1840	2401.4075	2402.5915	PASS
		2441	1.1945	2440.3997	2441.5942	PASS
		2480	1.1876	2479.4039	2480.5915	PASS

11.2.2. Test Graphs





11.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER**11.3.1. Test Result-DCT1SR2501C**

Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant0	2402	6.02	≤30	PASS
		2441	6.34	≤30	PASS
		2480	6.23	≤30	PASS
3DH5	Ant0	2402	6.89	≤20.97	PASS
		2441	7.01	≤20.97	PASS
		2480	7.06	≤20.97	PASS

11.3.2. Test Result-DCT1SR2501

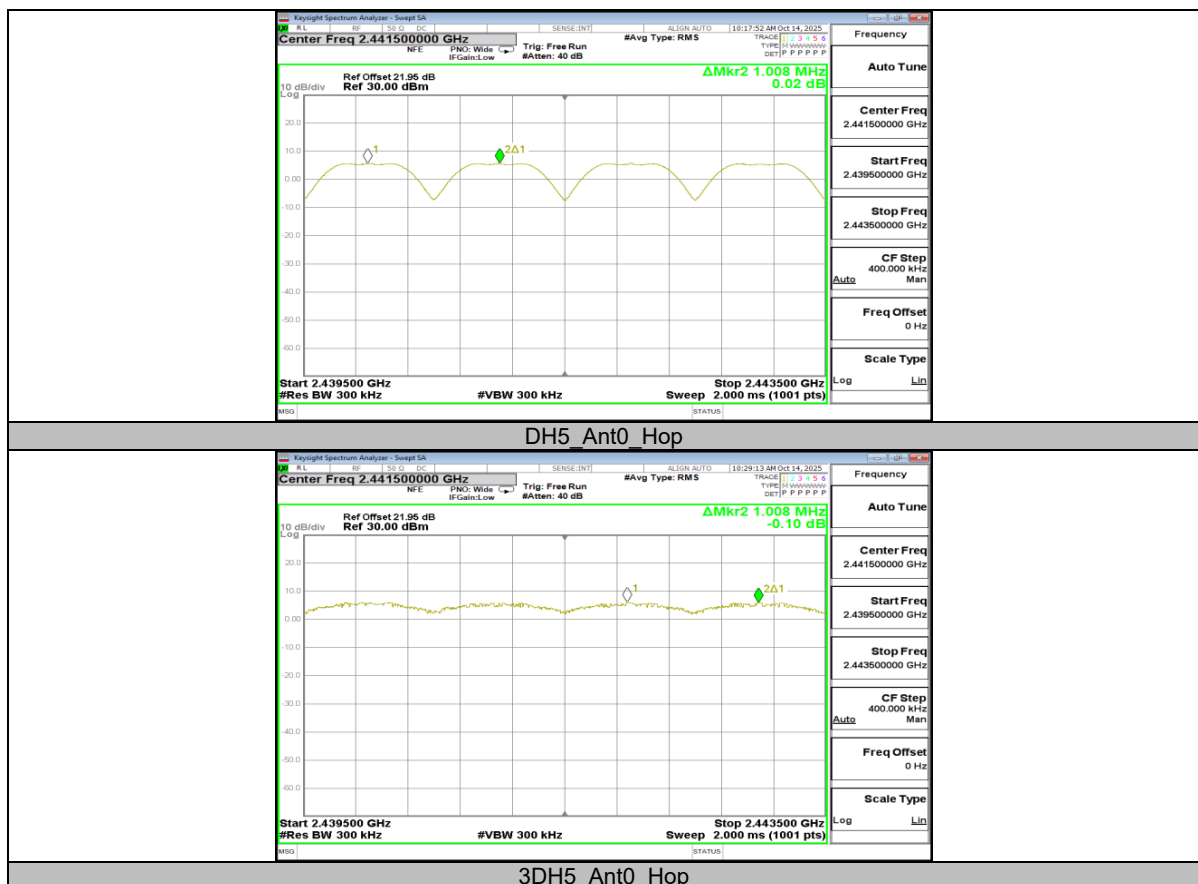
Test Mode	Antenna	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant0	2402	4.40	≤30	PASS
		2441	5.02	≤30	PASS
		2480	5.07	≤30	PASS
3DH5	Ant0	2402	5.58	≤20.97	PASS
		2441	6.12	≤20.97	PASS
		2480	6.63	≤20.97	PASS

11.4. APPENDIX D: CARRIER FREQUENCY SEPARATION

11.4.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant0	Hop	1.008	≥ 0.960	PASS
3DH5	Ant0	Hop	1.008	≥ 0.892	PASS

11.4.2. Test Graphs



11.5. APPENDIX E: TIME OF OCCUPANCY**11.5.1. Test Result**

FHSS Mode						
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant0	Hop	0.381	0.122	≤0.4	PASS
DH3	Ant0	Hop	1.637	0.262	≤0.4	PASS
DH5	Ant0	Hop	2.884	0.308	≤0.4	PASS
3DH1	Ant0	Hop	0.39	0.125	≤0.4	PASS
3DH3	Ant0	Hop	1.642	0.263	≤0.4	PASS
3DH5	Ant0	Hop	2.892	0.308	≤0.4	PASS

AFHSS Mode						
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant0	Hop	0.381	0.061	≤0.4	PASS
DH3	Ant0	Hop	1.637	0.131	≤0.4	PASS
DH5	Ant0	Hop	2.884	0.154	≤0.4	PASS
3DH1	Ant0	Hop	0.39	0.062	≤0.4	PASS
3DH3	Ant0	Hop	1.642	0.131	≤0.4	PASS
3DH5	Ant0	Hop	2.892	0.154	≤0.4	PASS

11.5.2. Test Graphs



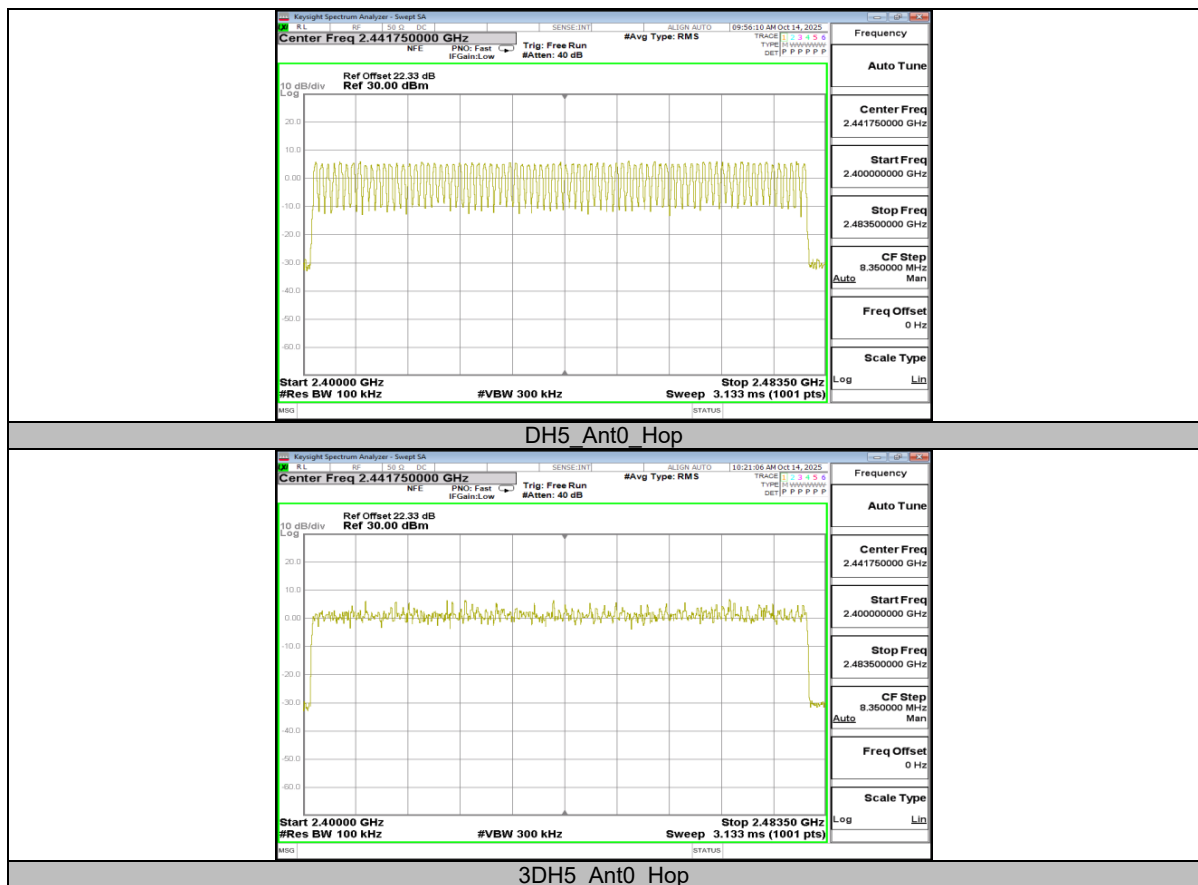


11.6. APPENDIX F: NUMBER OF HOPPING CHANNELS

11.6.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant0	Hop	79	≥15	PASS
3DH5	Ant0	Hop	79	≥15	PASS

11.6.2. Test Graphs



11.7. APPENDIX G: BAND EDGE MEASUREMENTS**11.7.1. Test Result**

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant0	Low	2402	4.50	-37.92	≤-15.5	PASS
		High	2480	4.95	-38.71	≤-15.05	PASS
		Low	Hop 2402	4.44	-38.99	≤-15.56	PASS
		High	Hop 2480	5.56	-37.66	≤-14.44	PASS
3DH5	Ant0	Low	2402	5.20	-36.96	≤-14.8	PASS
		High	2480	5.16	-38.08	≤-14.84	PASS
		Low	Hop 2402	2.75	-36.8	≤-17.25	PASS
		High	Hop 2480	4.33	-38.29	≤-15.67	PASS

11.7.2. Test Graphs





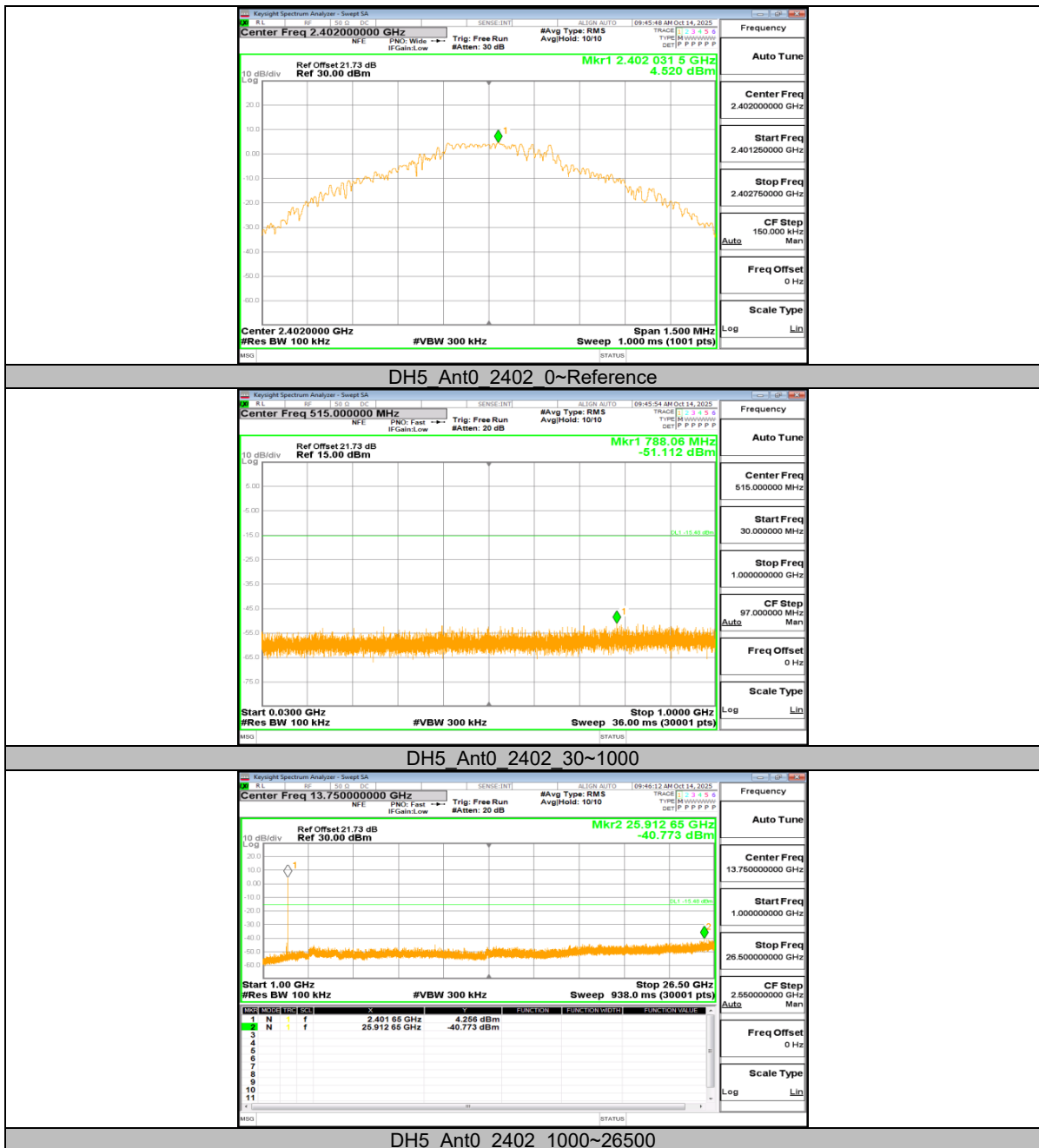


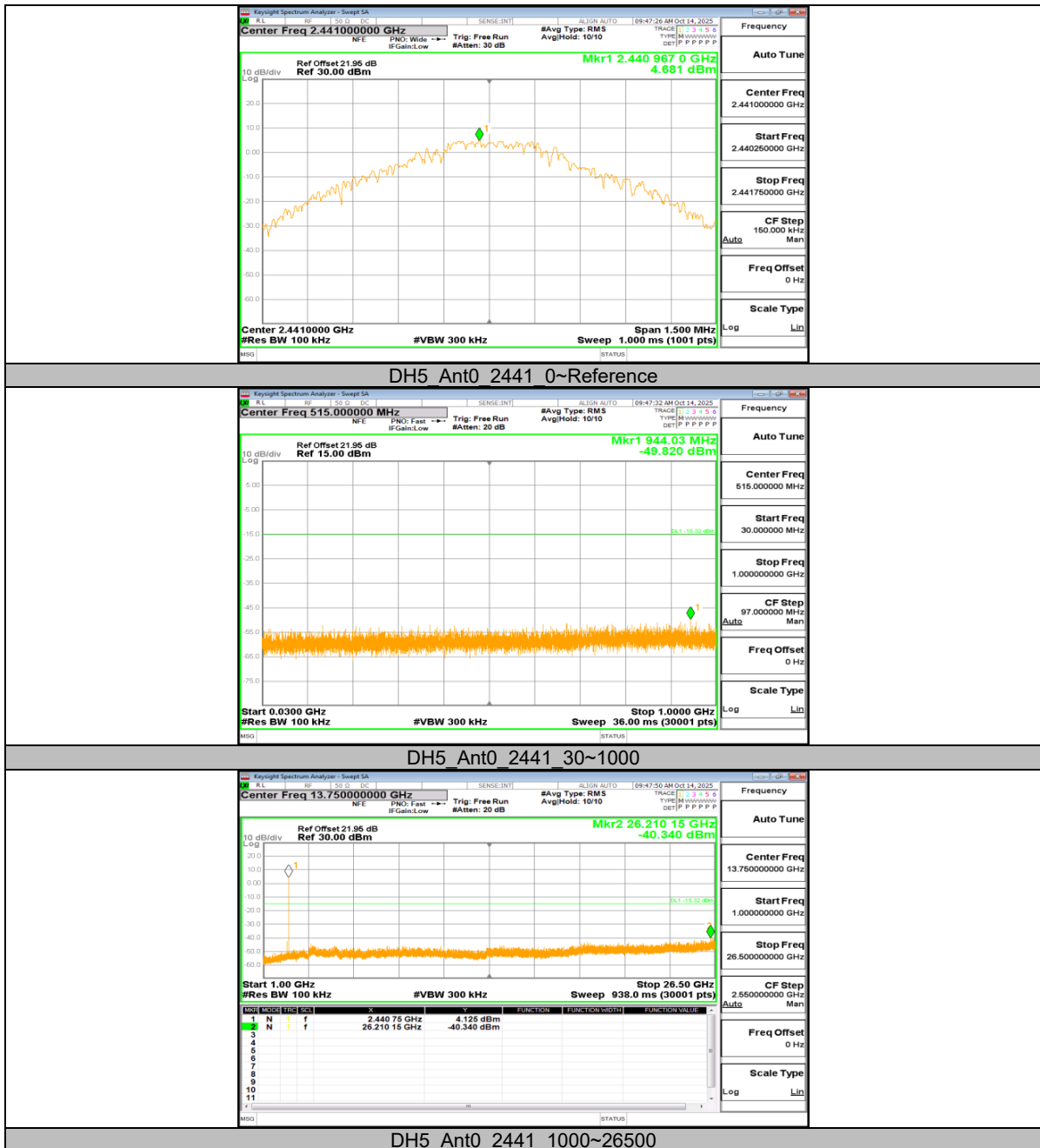
11.8. APPENDIX H: CONDUCTED SPURIOUS EMISSION

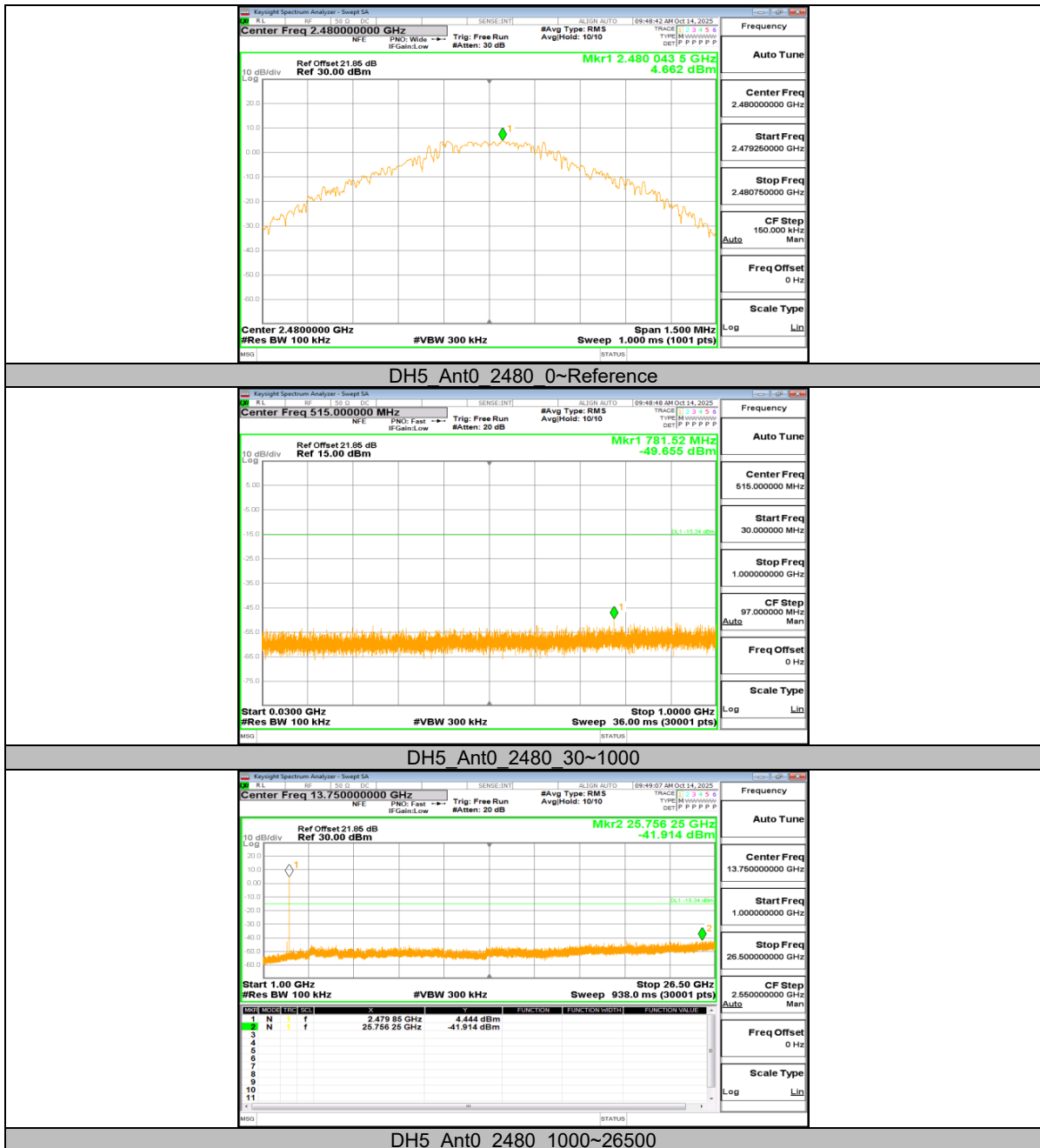
11.8.1. Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant0	2402	Reference	4.52	---	PASS
			30~1000	-51.11	≤-15.48	PASS
			1000~26500	-40.77	≤-15.48	PASS
		2441	Reference	4.68	---	PASS
			30~1000	-49.82	≤-15.32	PASS
			1000~26500	-40.34	≤-15.32	PASS
		2480	Reference	4.66	---	PASS
			30~1000	-49.66	≤-15.34	PASS
			1000~26500	-41.91	≤-15.34	PASS
3DH5	Ant0	2402	Reference	1.68	---	PASS
			30~1000	-51.59	≤-18.32	PASS
			1000~26500	-41.19	≤-18.32	PASS
		2441	Reference	3.99	---	PASS
			30~1000	-50.93	≤-16.01	PASS
			1000~26500	-40.94	≤-16.01	PASS
		2480	Reference	4.38	---	PASS
			30~1000	-51.12	≤-15.62	PASS
			1000~26500	-41.56	≤-15.62	PASS

11.8.2. Test Graphs













11.9. APPENDIX I: DUTY CYCLE

11.9.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
DH5	2.88	3.74	0.7701	77.01	1.13	0.35	1
3DH5	2.88	3.74	0.7701	77.01	1.13	0.35	1

Note:

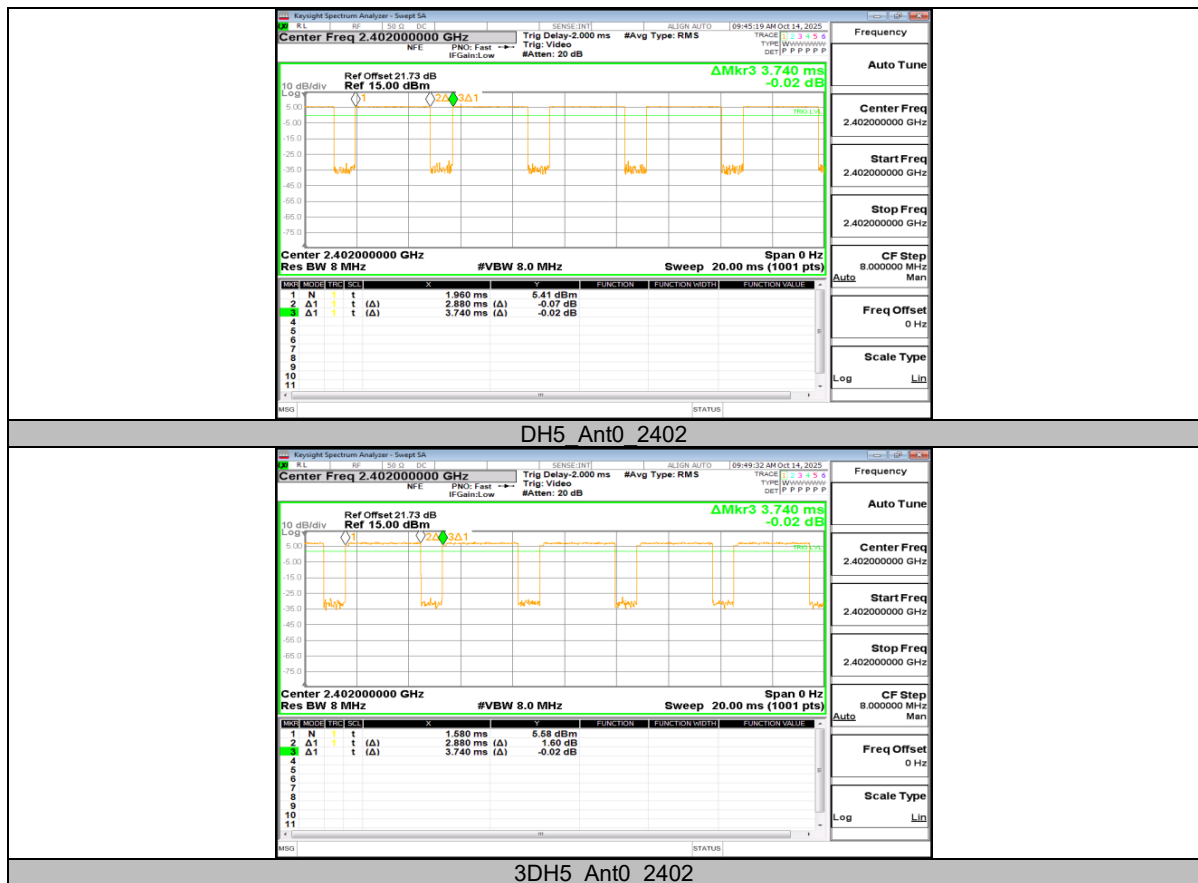
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.9.2. Test Graphs



END OF REPORT