



10.9. APPENDIX I1: DUTY CYCLE

10.9.1. 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	3.75	0.7680	76.80	1.15	0.35	0.01
3DH5	2.89	3.75	0.7707	77.07	1.13	0.35	1

Note:

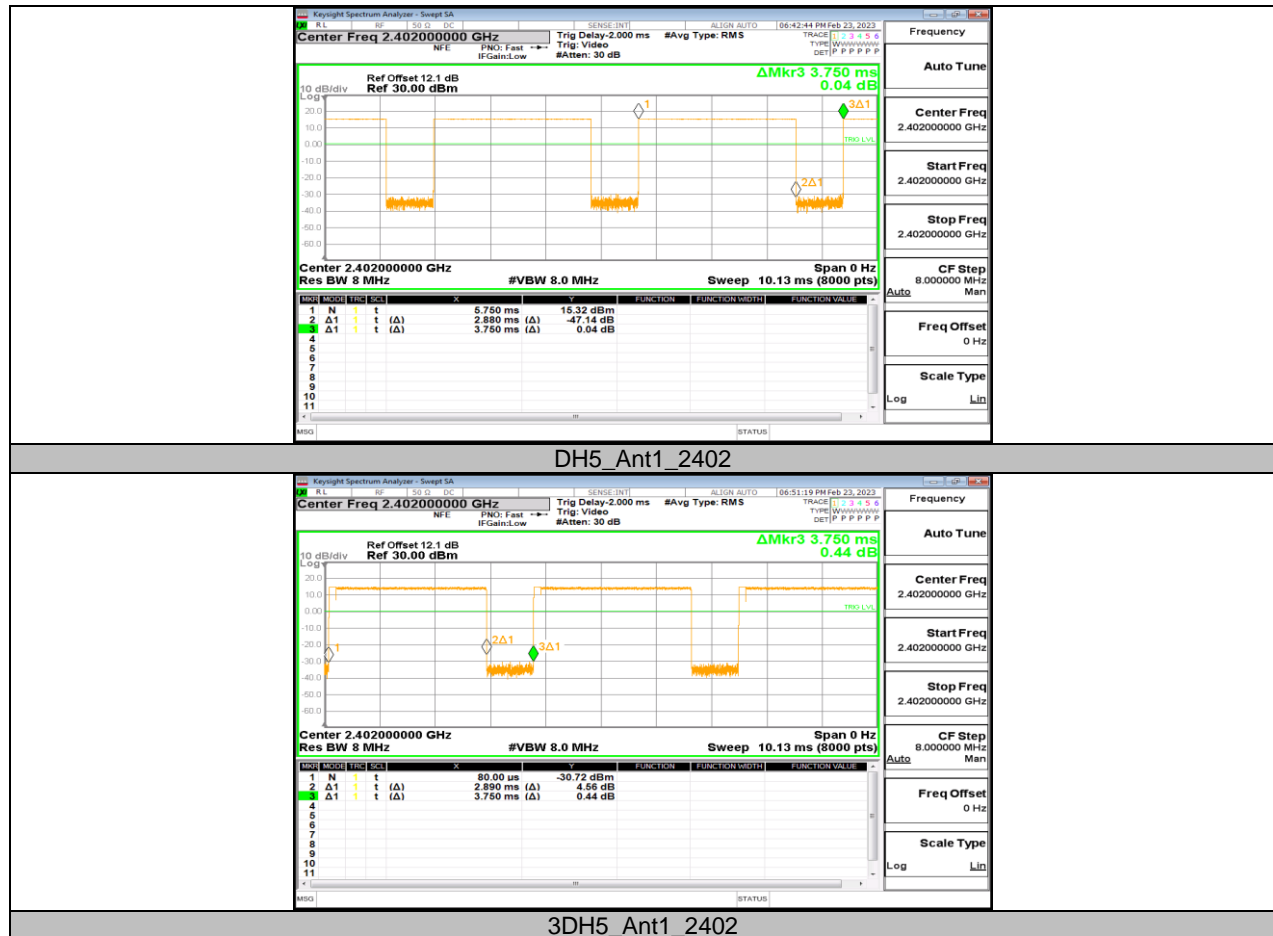
Duty Cycle Correction Factor= $10\log(1/x)$.

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.

10.9.2. Test Graphs





11. TEST DATA FOR OTE180R (Right Earbud)

11.1. APPENDIX A2: 20DB EMISSION BANDWIDTH

11.1.1. Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.535	2402.477	PASS
		2441	0.945	2440.532	2441.477	PASS
		2480	0.945	2479.535	2480.480	PASS
3DH5	Ant1	2402	1.269	2401.352	2402.621	PASS
		2441	1.272	2440.352	2441.624	PASS
		2480	1.290	2479.349	2480.639	PASS

11.1.2. Test Graphs







11.2. APPENDIX B2: OCCUPIED CHANNEL BANDWIDTH

11.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.88407	2401.5530	2402.4371	PASS
		2441	0.88618	2440.5539	2441.4401	PASS
		2480	0.89006	2479.5515	2480.4415	PASS
3DH5	Ant1	2402	1.1911	2401.3965	2402.5876	PASS
		2441	1.2020	2440.3893	2441.5913	PASS
		2480	1.2239	2479.3781	2480.6020	PASS

11.2.2. Test Graphs







11.3. APPENDIX C2: MAXIMUM CONDUCTED OUTPUT POWER

11.3.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	15.53	≤20.97	PASS
		2441	15.65	≤20.97	PASS
		2480	15.46	≤20.97	PASS
3DH5	Ant1	2402	13.79	≤20.97	PASS
		2441	13.99	≤20.97	PASS
		2480	14.22	≤20.97	PASS

Test Mode	Antenna	Channel	AVG Result[dBm]	Limit[dBm]
DH5	Ant1	2402	15.01	For reporting purposes only.
		2441	15.16	
		2480	14.87	
3DH5	Ant1	2402	12.41	
		2441	12.04	
		2480	12.18	

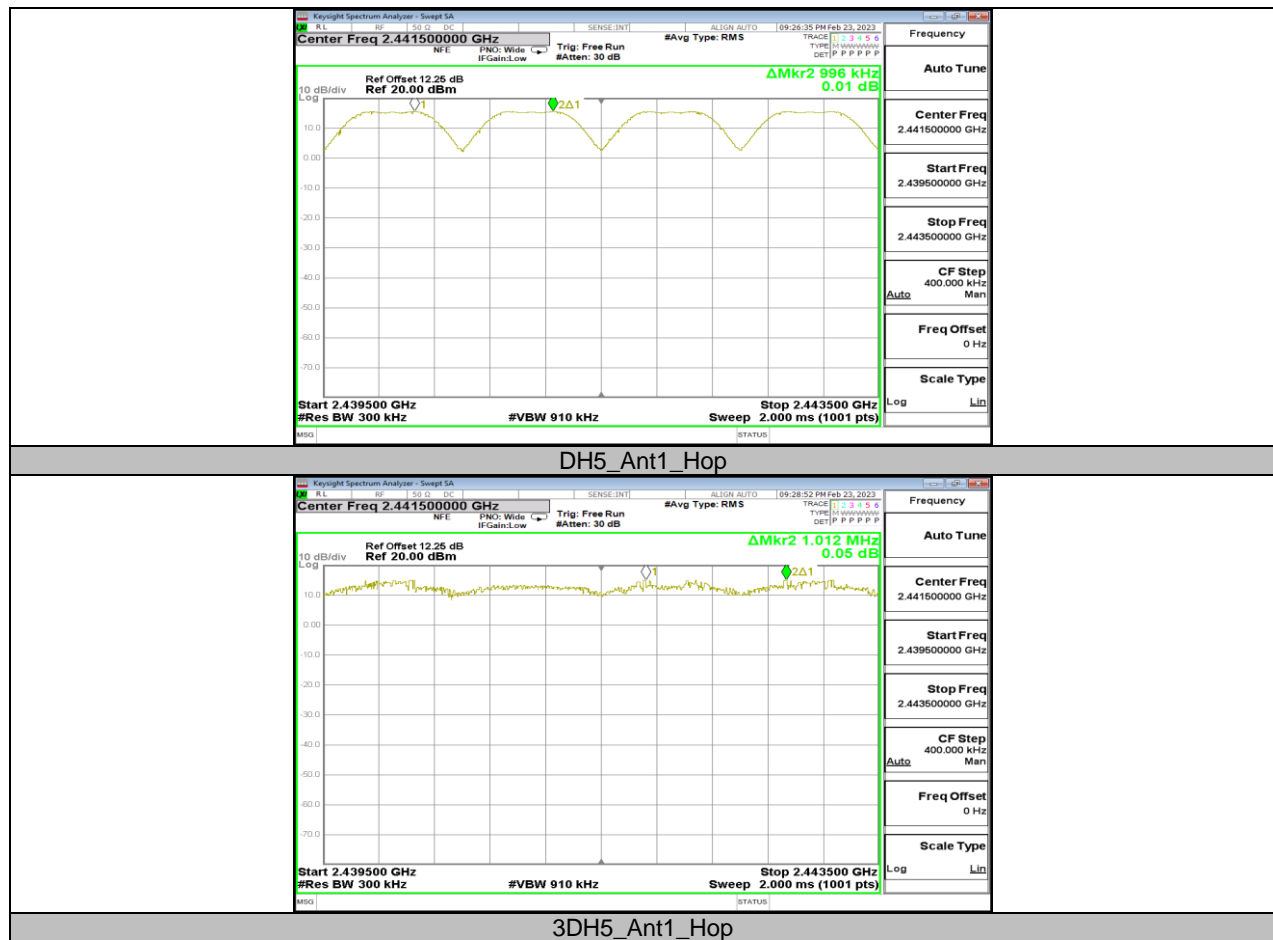


11.4. APPENDIX D2: CARRIER FREQUENCY SEPARATION

11.4.1. Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.025	PASS
3DH5	Ant1	Hop	1.012	≥ 0.025	PASS

11.4.2. Test Graphs



11.5. APPENDIX E2: TIME OF OCCUPANCY

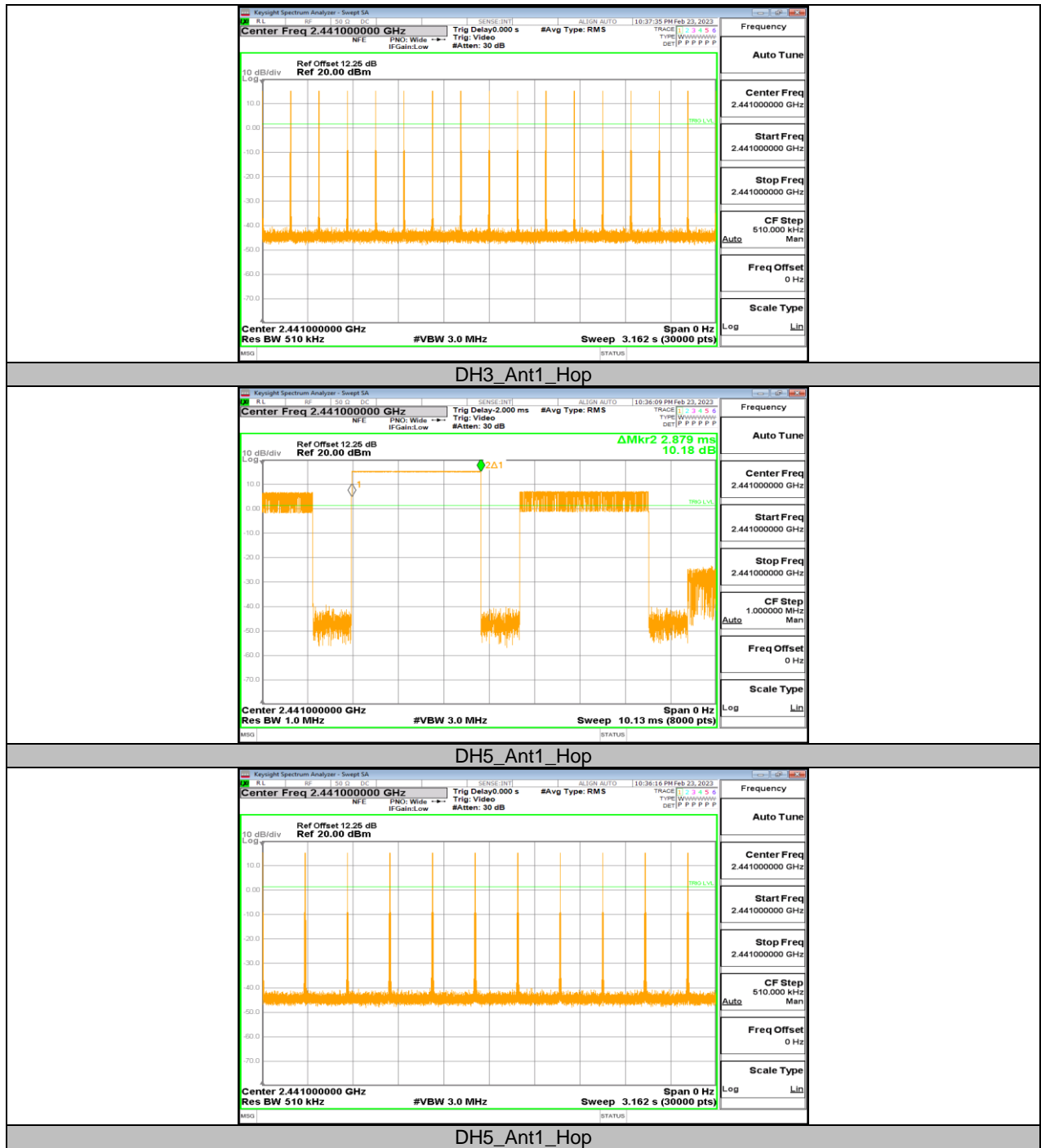
11.5.1. Test Result

FHSS Mode						
TestMode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	0.120	≤ 0.4	PASS
DH3	Ant1	Hop	1.631	0.261	≤ 0.4	PASS
DH5	Ant1	Hop	2.879	0.307	≤ 0.4	PASS
3DH1	Ant1	Hop	0.38	0.122	≤ 0.4	PASS
3DH3	Ant1	Hop	1.63	0.261	≤ 0.4	PASS
3DH5	Ant1	Hop	2.882	0.307	≤ 0.4	PASS

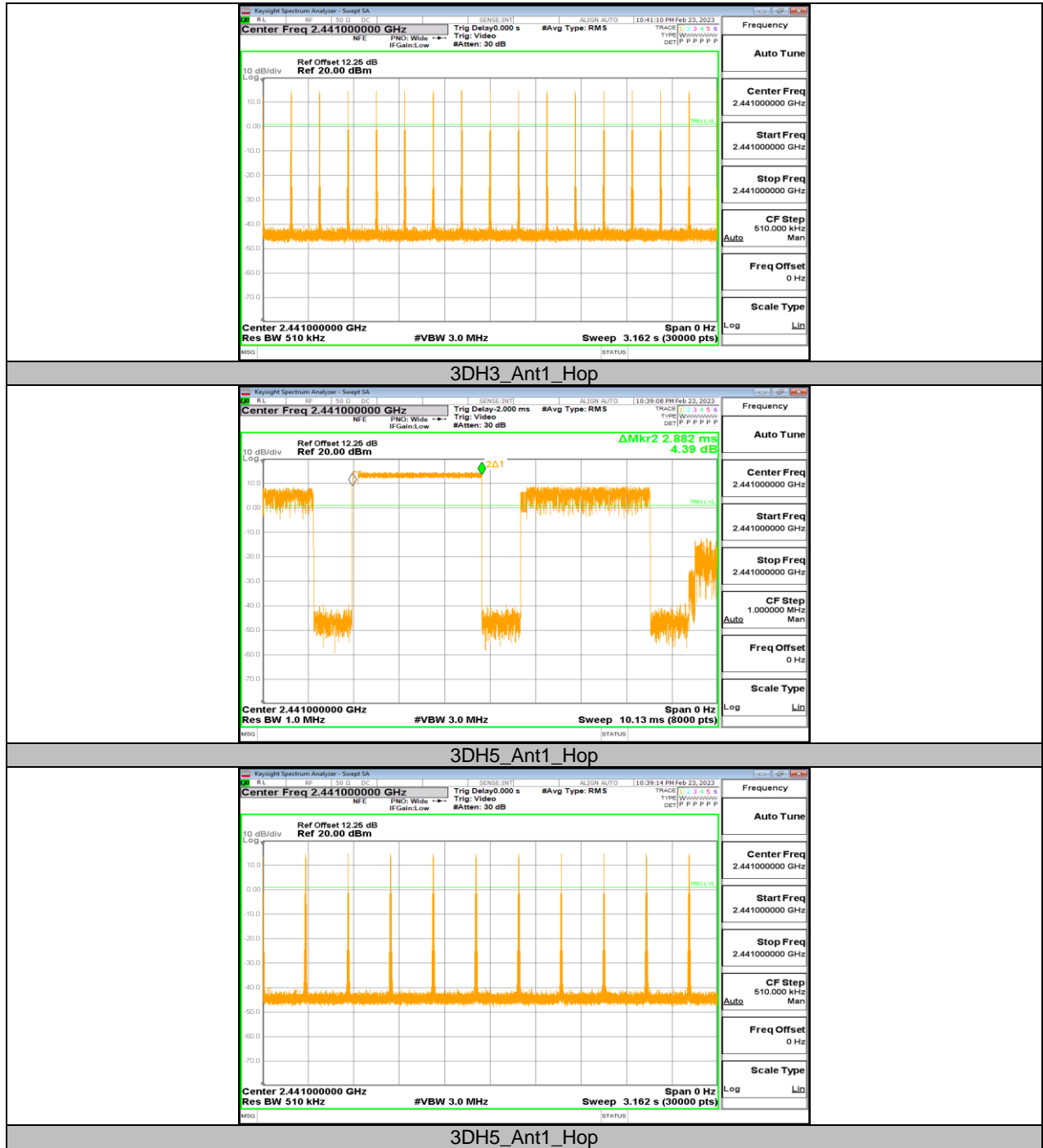
AFHSS Mode						
TestMode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	0.060	≤ 0.4	PASS
DH3	Ant1	Hop	1.631	0.130	≤ 0.4	PASS
DH5	Ant1	Hop	2.879	0.154	≤ 0.4	PASS
3DH1	Ant1	Hop	0.38	0.061	≤ 0.4	PASS
3DH3	Ant1	Hop	1.63	0.130	≤ 0.4	PASS
3DH5	Ant1	Hop	2.882	0.154	≤ 0.4	PASS

11.5.2. Test Graphs









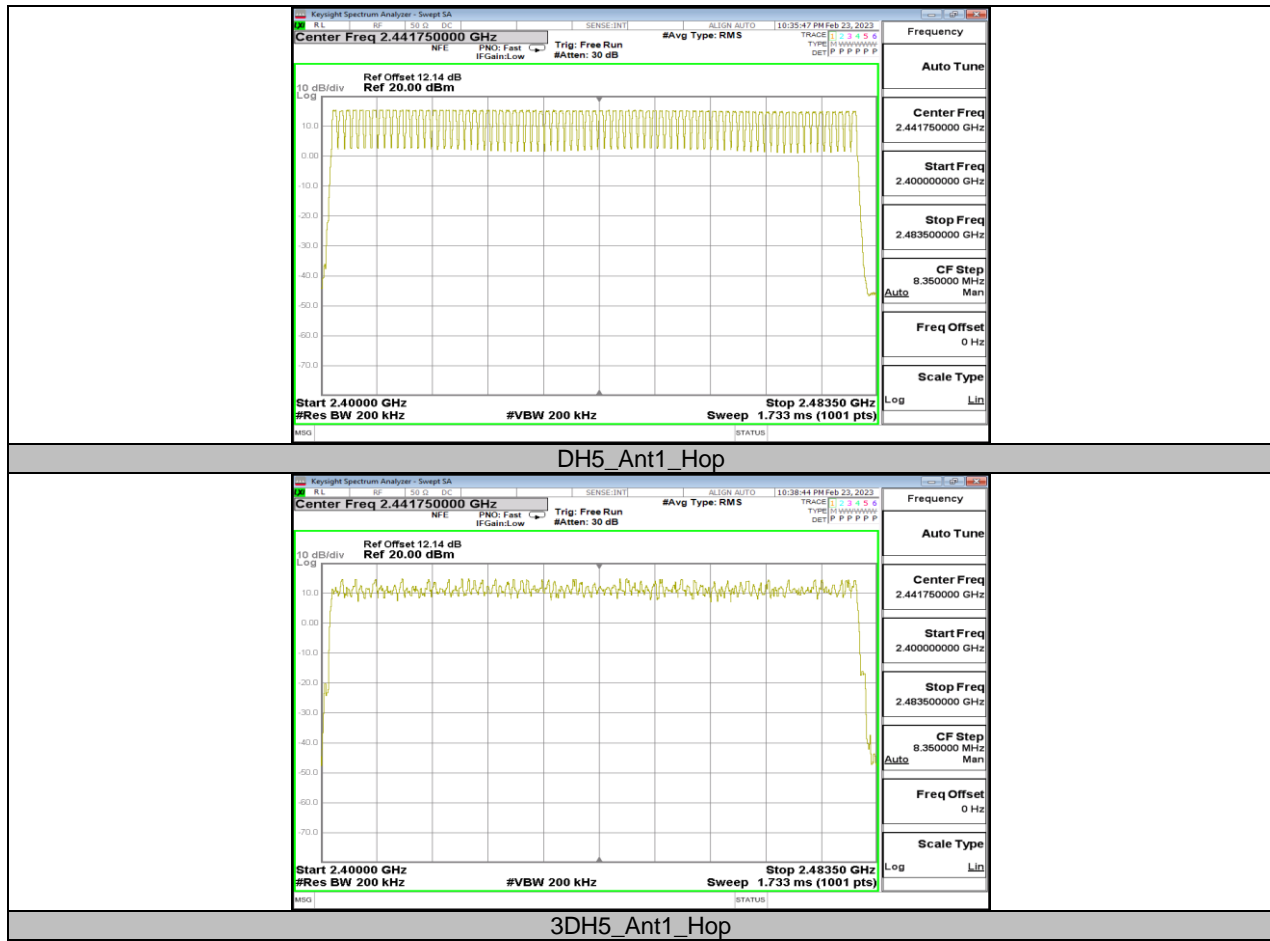


11.6. APPENDIX F2: NUMBER OF HOPPING CHANNELS

11.6.1. Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

11.6.2. Test Graphs





11.7. APPENDIX G2: BAND EDGE MEASUREMENTS

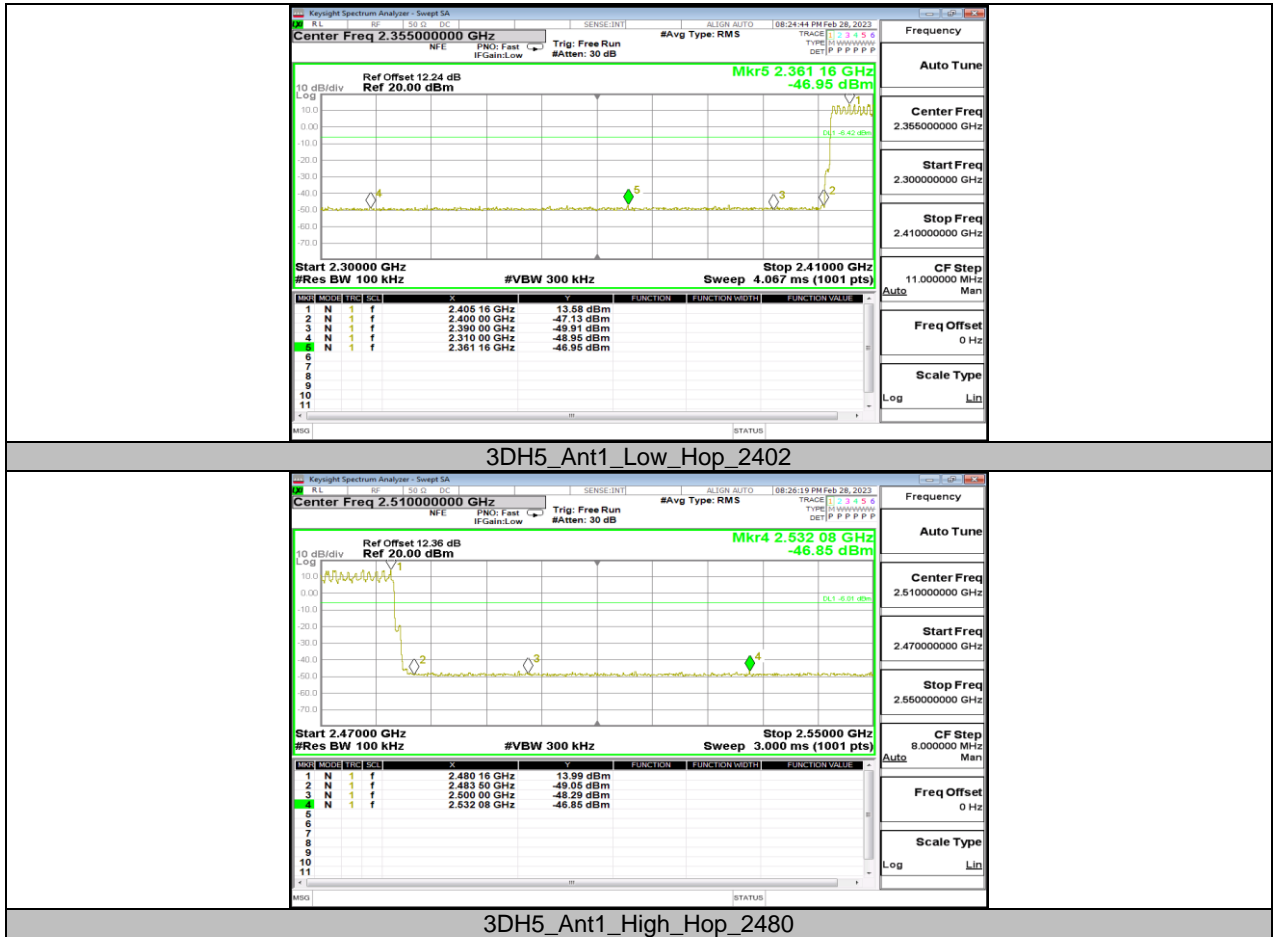
11.7.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	15.35	-46.4	≤ -4.65	PASS
		High	2480	15.30	-47.58	≤ -4.7	PASS
		Low	Hop_2402	14.00	-47.72	≤ -6	PASS
		High	Hop_2480	14.29	-46.21	≤ -5.71	PASS
3DH5	Ant1	Low	2402	14.75	-44.72	≤ -5.25	PASS
		High	2480	14.91	-46.24	≤ -5.09	PASS
		Low	Hop_2402	13.58	-46.95	≤ -6.42	PASS
		High	Hop_2480	13.99	-46.85	≤ -6.01	PASS

11.7.2. Test Graphs









11.8. APPENDIX H2: CONDUCTED SPURIOUS EMISSION

11.8.1. Test Result

Test Mode	Antenna	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	15.35	---	PASS
			30~1000	-59.47	≤ -4.65	PASS
			1000~26500	-51.83	≤ -4.65	PASS
		2441	Reference	15.46	---	PASS
			30~1000	-60.01	≤ -4.54	PASS
			1000~26500	-50.78	≤ -4.54	PASS
		2480	Reference	15.15	---	PASS
			30~1000	-59.02	≤ -4.85	PASS
			1000~26500	-51.43	≤ -4.85	PASS
3DH5	Ant1	2402	Reference	14.73	---	PASS
			30~1000	-59.02	≤ -5.27	PASS
			1000~26500	-51.23	≤ -5.27	PASS
		2441	Reference	14.90	---	PASS
			30~1000	-59.32	≤ -5.1	PASS
			1000~26500	-51.23	≤ -5.1	PASS
		2480	Reference	14.88	---	PASS
			30~1000	-58.89	≤ -5.12	PASS
			1000~26500	-51.59	≤ -5.12	PASS



11.8.2. Test Graphs



