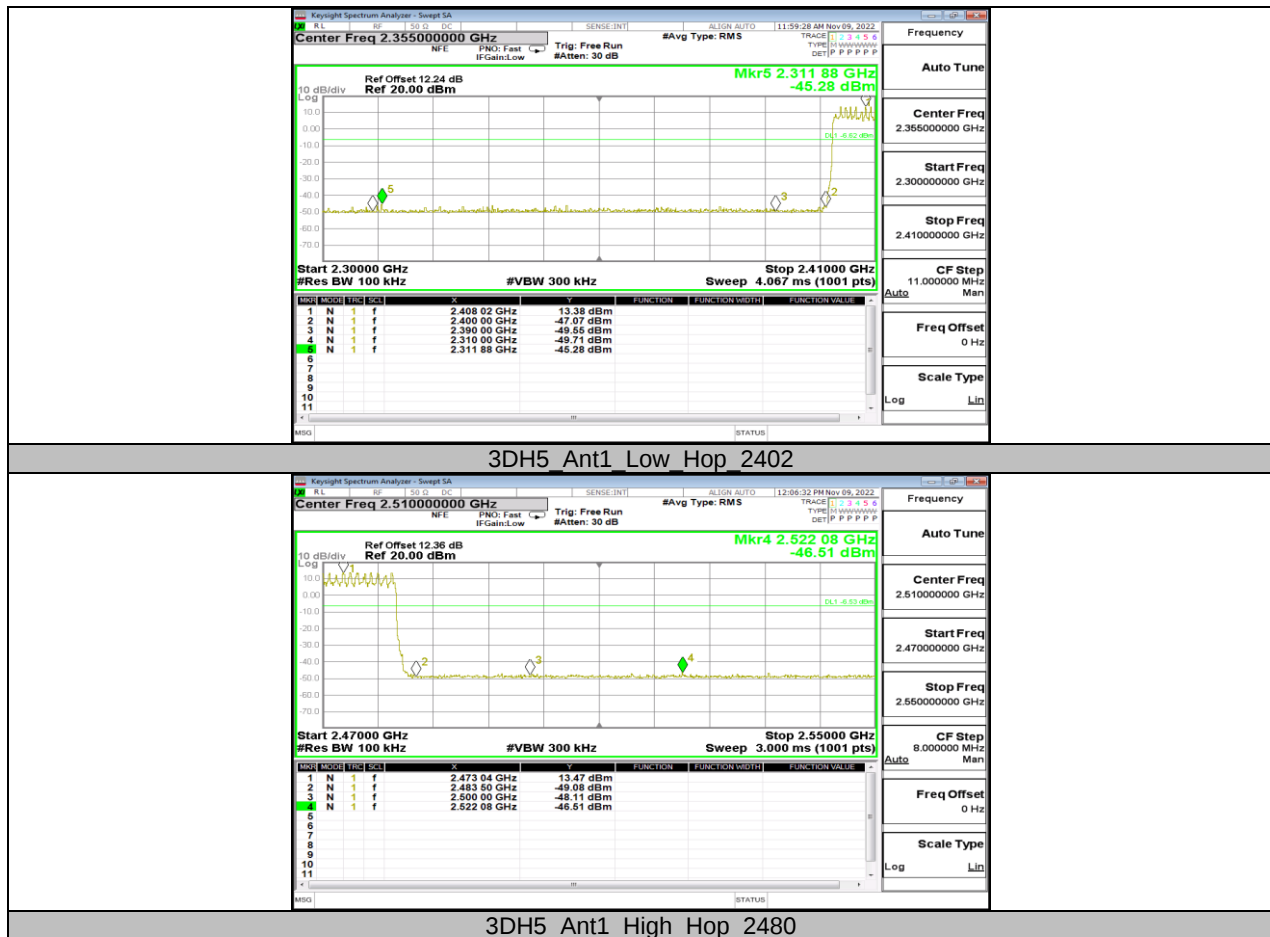




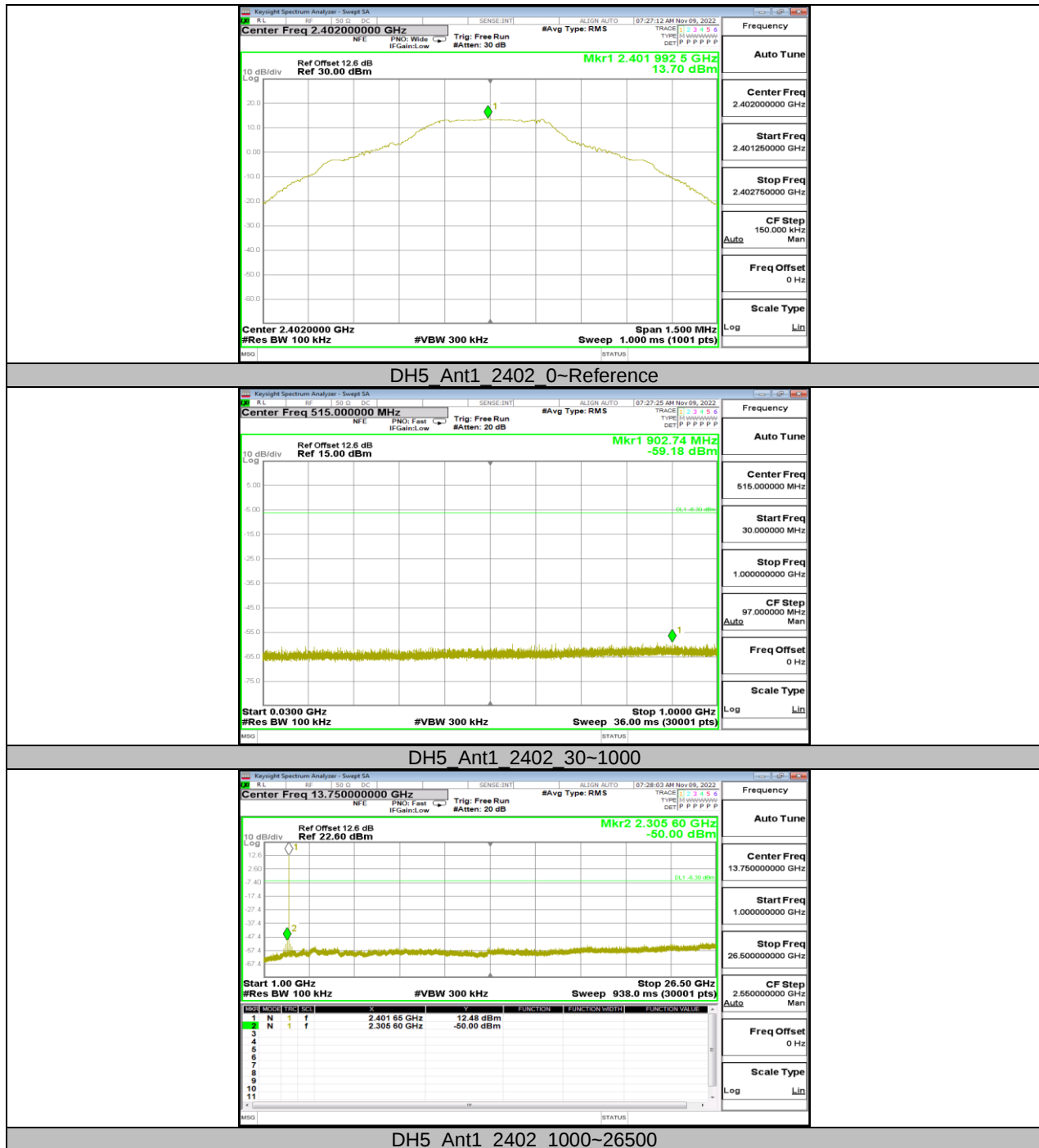


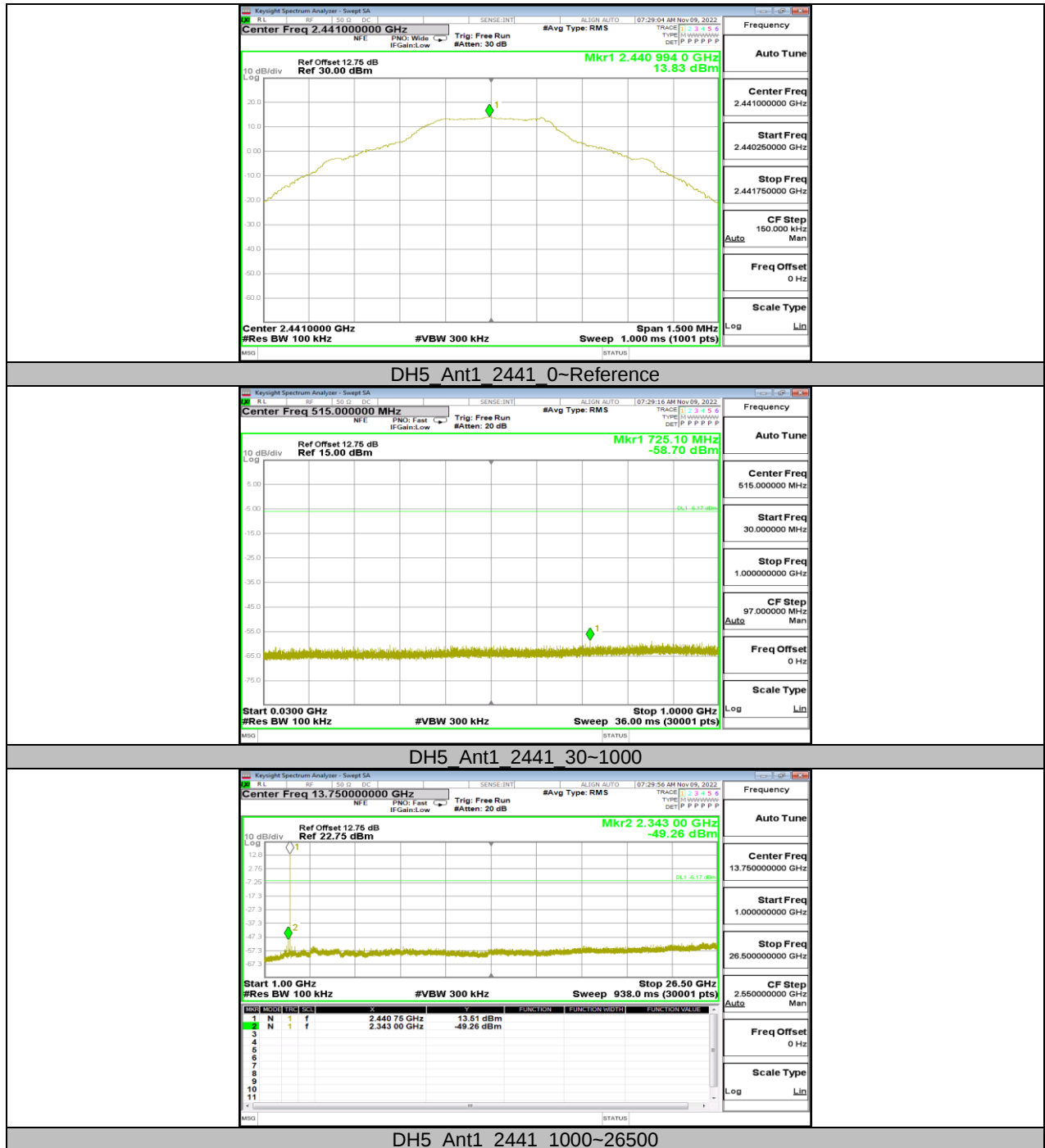
**11.8. APPENDIX H: CONDUCTED SPURIOUS EMISSION****11.8.1. Test Result**

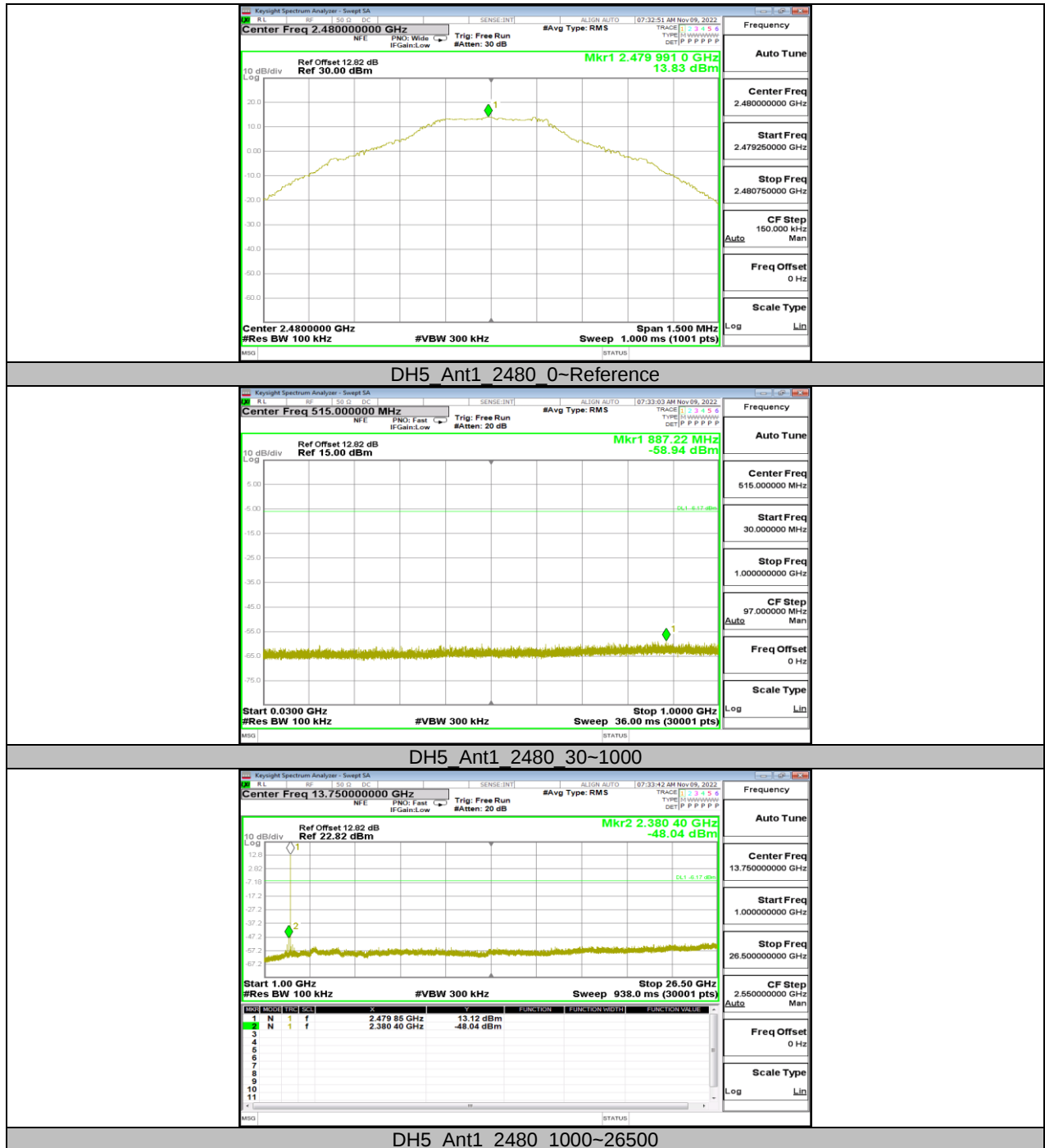
Test Mode	Antenna	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.70	---	PASS
			30~1000	-59.18	≤ -6.3	PASS
			1000~26500	-50	≤ -6.3	PASS
		2441	Reference	13.83	---	PASS
			30~1000	-58.7	≤ -6.17	PASS
			1000~26500	-49.26	≤ -6.17	PASS
		2480	Reference	13.83	---	PASS
			30~1000	-58.94	≤ -6.17	PASS
			1000~26500	-48.05	≤ -6.17	PASS
3DH5	Ant1	2402	Reference	13.44	---	PASS
			30~1000	-1000	≤ -6.56	PASS
			1000~26500	-50.79	≤ -6.56	PASS
		2441	Reference	13.66	---	PASS
			30~1000	-58.8	≤ -6.34	PASS
			1000~26500	-50.24	≤ -6.34	PASS
		2480	Reference	13.51	---	PASS
			30~1000	-58.78	≤ -6.49	PASS
			1000~26500	-50.8	≤ -6.49	PASS

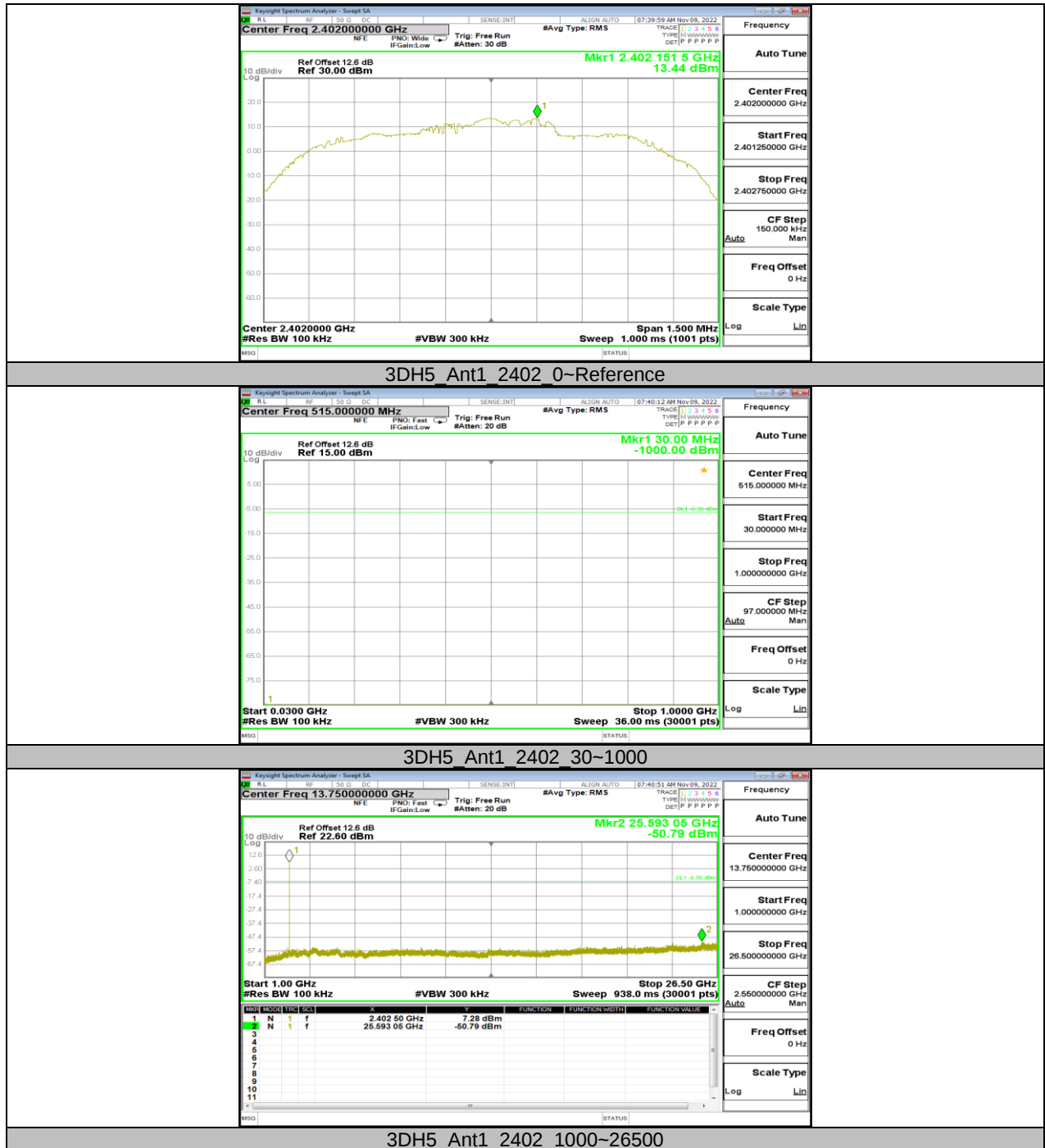


11.8.2. Test Graphs













**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	2.89	5	0.5780	57.80	2.38	0.35	0.5
3DH5	2.89	5	0.5780	57.80	2.38	0.35	0.5

Note:

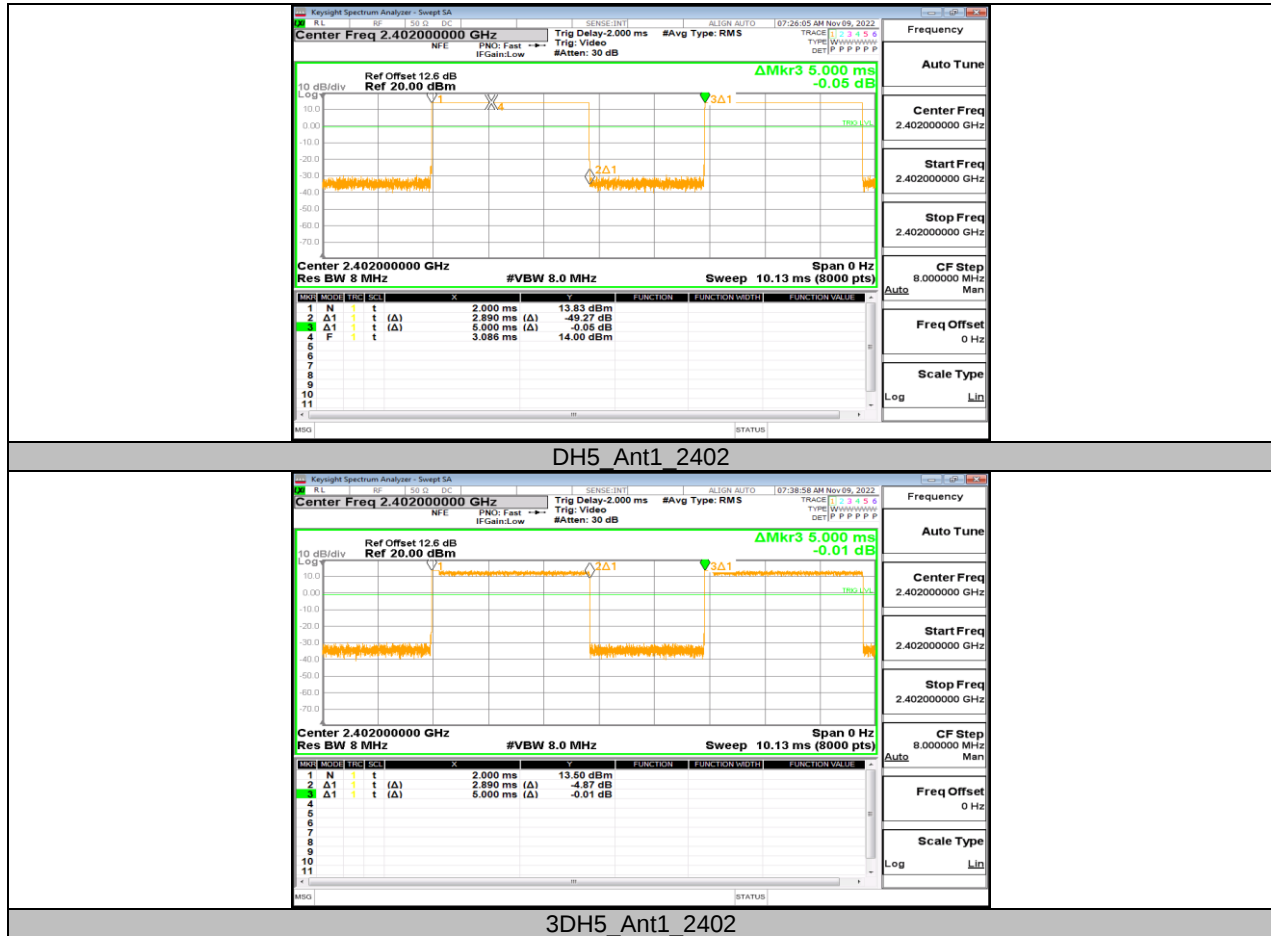
Duty Cycle Correction Factor=10log (1/x).

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





12. TEST DATA FOR LEFT BLUETOOTH EARPHONE

12.1. APPENDIX A: 20DB EMISSION BANDWIDTH

12.1.1. Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.927	2401.532	2402.459	PASS
		2441	0.948	2440.532	2441.480	PASS
		2480	0.993	2479.487	2480.480	PASS
3DH5	Ant1	2402	1.188	2401.409	2402.597	PASS
		2441	1.242	2440.361	2441.603	PASS
		2480	1.257	2479.349	2480.606	PASS

12.1.2. Test Graphs







12.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

12.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.88359	2401.5524	2402.4360	PASS
		2441	0.90200	2440.5265	2441.4285	PASS
		2480	0.91230	2479.5296	2480.4419	PASS
3DH5	Ant1	2402	1.1552	2401.4129	2402.5681	PASS
		2441	1.1586	2440.4129	2441.5715	PASS
		2480	1.1639	2479.4046	2480.5685	PASS



12.2.2. Test Graphs







12.3. APPENDIX C: MAXIMUM CONDUCTED OUTPUT POWER

12.3.1. Test Result

Test Mode	Antenna	Channel	PEAK Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	13.86	≤30	PASS
		2441	13.97	≤30	PASS
		2480	14.06	≤30	PASS
3DH5	Ant1	2402	14.03	≤21	PASS
		2441	14.07	≤21	PASS
		2480	14.01	≤21	PASS

Test Mode	Antenna	Channel	AVG Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	13.29	≤30	PASS
		2441	13.37	≤30	PASS
		2480	13.54	≤30	PASS
3DH5	Ant1	2402	10.53	≤21	PASS
		2441	10.50	≤21	PASS
		2480	10.80	≤21	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.7) had already compensated to the test data in AVG-Result.



12.4. APPENDIX D: CARRIER FREQUENCY SEPARATION

12.4.1. Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.993	PASS
3DH5	Ant1	Hop	1.136	≥ 0.838	PASS

12.4.2. Test Graphs



12.5. APPENDIX E: TIME OF OCCUPANCY

12.5.1. Test Result

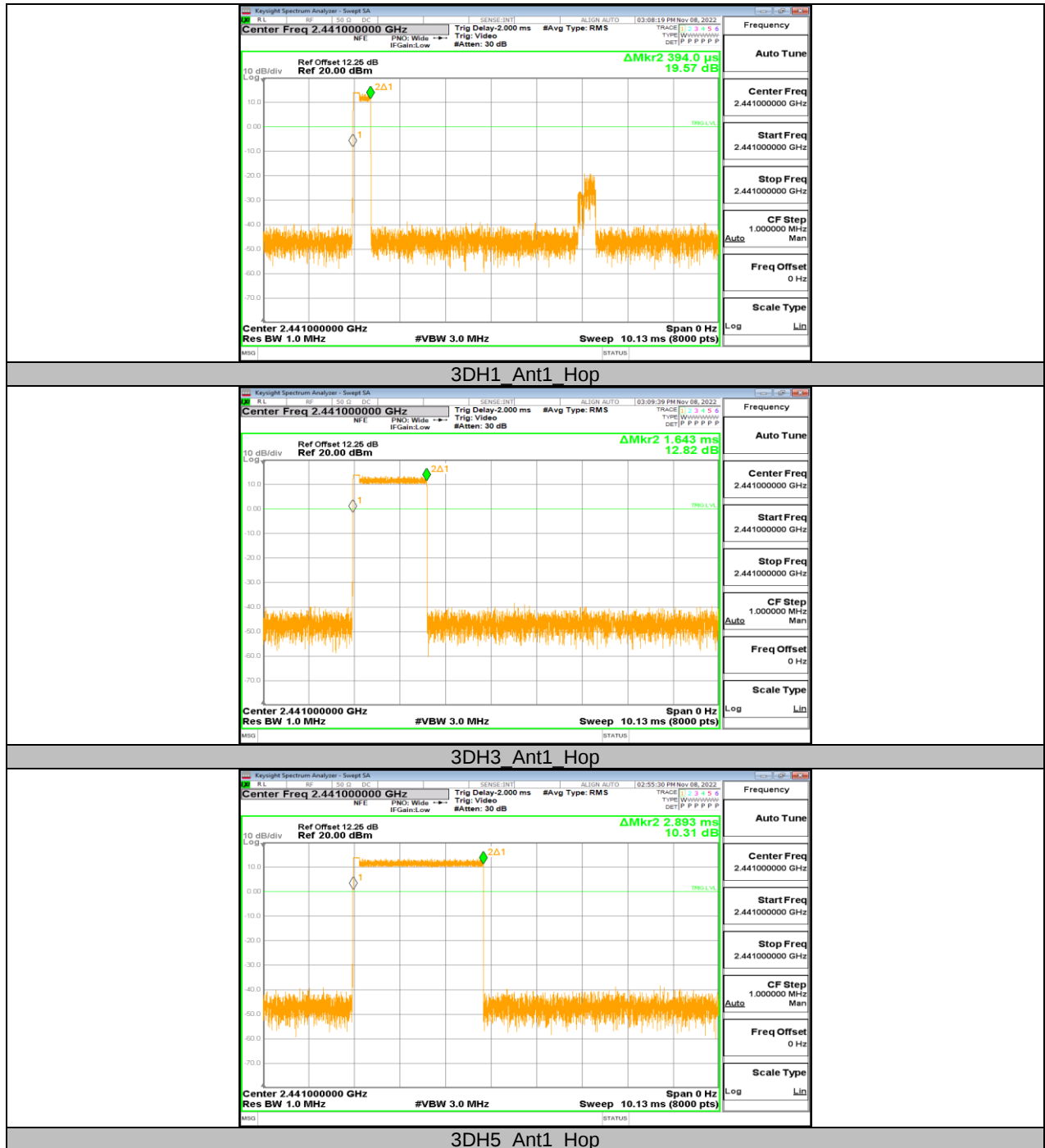
FHSS Mode						
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.384	0.123	≤ 0.4	PASS
DH3	Ant1	Hop	1.639	0.262	≤ 0.4	PASS
DH5	Ant1	Hop	2.887	0.308	≤ 0.4	PASS
3DH1	Ant1	Hop	0.394	0.126	≤ 0.4	PASS
3DH3	Ant1	Hop	1.643	0.263	≤ 0.4	PASS
3DH5	Ant1	Hop	2.893	0.309	≤ 0.4	PASS

AFHSS Mode						
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.384	0.061	≤ 0.4	PASS
DH3	Ant1	Hop	1.639	0.131	≤ 0.4	PASS
DH5	Ant1	Hop	2.887	0.154	≤ 0.4	PASS
3DH1	Ant1	Hop	0.394	0.063	≤ 0.4	PASS
3DH3	Ant1	Hop	1.643	0.131	≤ 0.4	PASS
3DH5	Ant1	Hop	2.893	0.154	≤ 0.4	PASS



12.5.2. Test Graphs





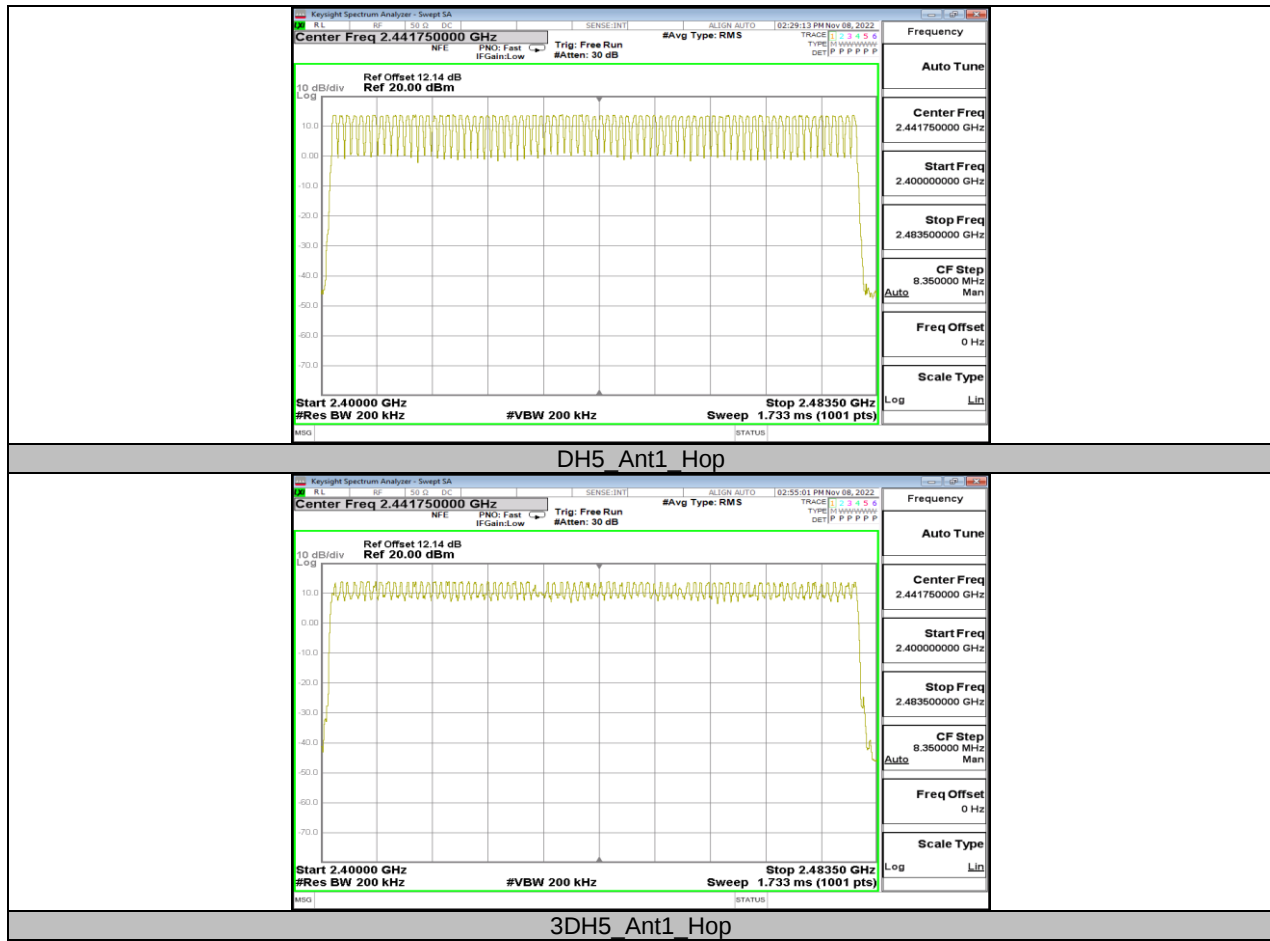


12.6. APPENDIX F: NUMBER OF HOPPING CHANNELS

12.6.1. Test Result

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

12.6.2. Test Graphs





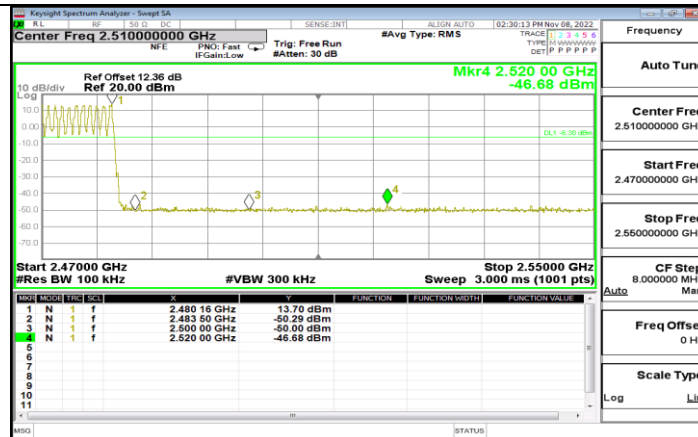
12.7. APPENDIX G: BAND EDGE MEASUREMENTS

12.7.1. Test Result

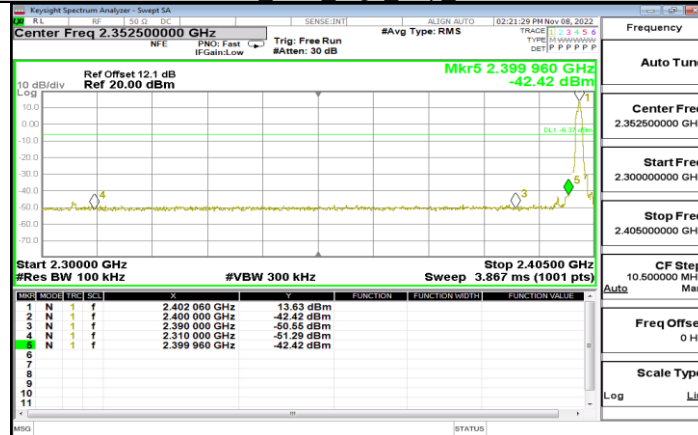
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	13.14	-44.4	≤ -6.86	PASS
		High	2480	13.73	-44.77	≤ -6.27	PASS
		Low	Hop_2402	13.27	-44.78	≤ -6.73	PASS
		High	Hop_2480	13.70	-46.69	≤ -6.3	PASS
3DH5	Ant1	Low	2402	13.63	-42.42	≤ -6.37	PASS
		High	2480	13.67	-45.95	≤ -6.33	PASS
		Low	Hop_2402	13.71	-45	≤ -6.3	PASS
		High	Hop_2480	13.72	-47.51	≤ -6.28	PASS

12.7.2. Test Graphs

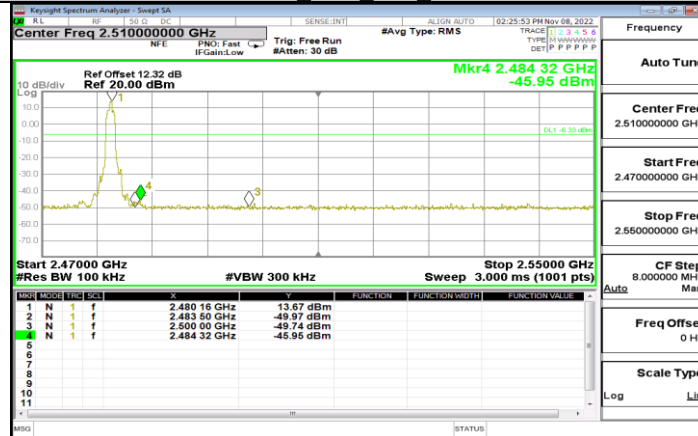




DH5 Ant1 High Hop 2480



3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



**12.8. APPENDIX H: CONDUCTED SPURIOUS EMISSION****12.8.1. Test Result**

Test Mode	Antenna	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.11	---	PASS
			30~1000	-59.35	≤-6.89	PASS
			1000~26500	-48.63	≤-6.89	PASS
		2441	Reference	13.76	---	PASS
			30~1000	-59.6	≤-6.24	PASS
			1000~26500	-49.51	≤-6.24	PASS
		2480	Reference	13.82	---	PASS
			30~1000	-59.9	≤-6.18	PASS
			1000~26500	-48.62	≤-6.18	PASS
3DH5	Ant1	2402	Reference	13.61	---	PASS
			30~1000	-53.12	≤-6.39	PASS
			1000~26500	-51.66	≤-6.39	PASS
		2441	Reference	13.80	---	PASS
			30~1000	-54.81	≤-6.2	PASS
			1000~26500	-49.32	≤-6.2	PASS
		2480	Reference	13.74	---	PASS
			30~1000	-56.87	≤-6.26	PASS
			1000~26500	-50.71	≤-6.26	PASS



12.8.2. Test Graphs

