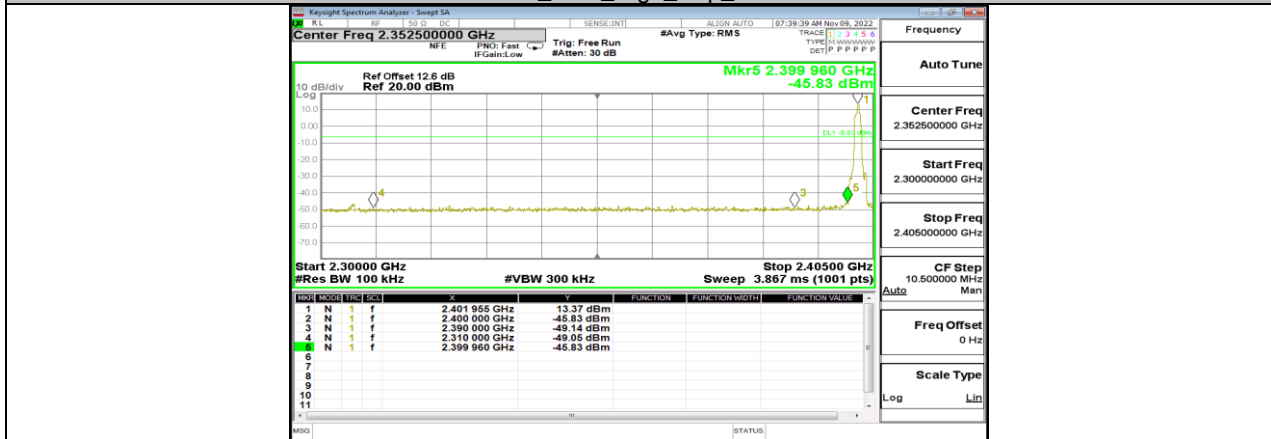
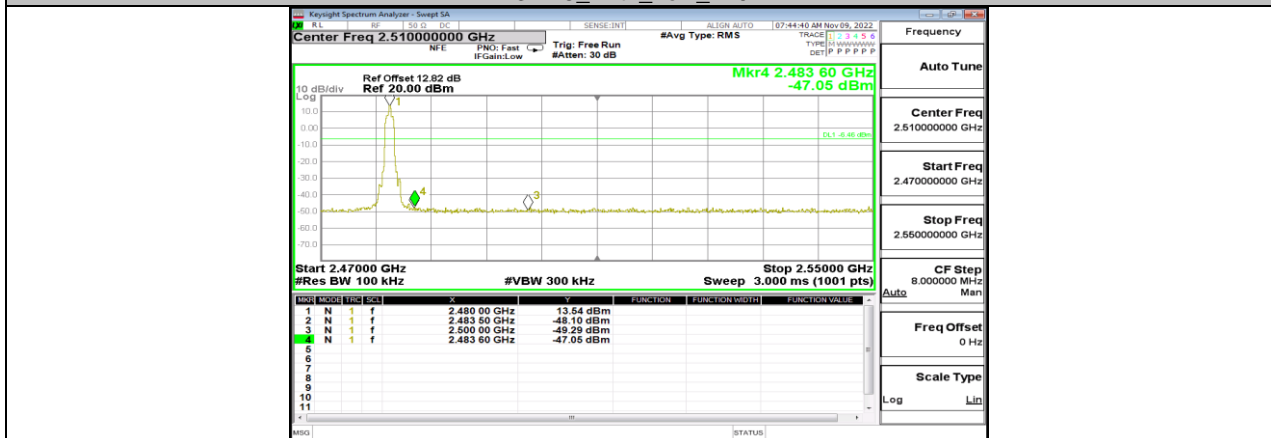


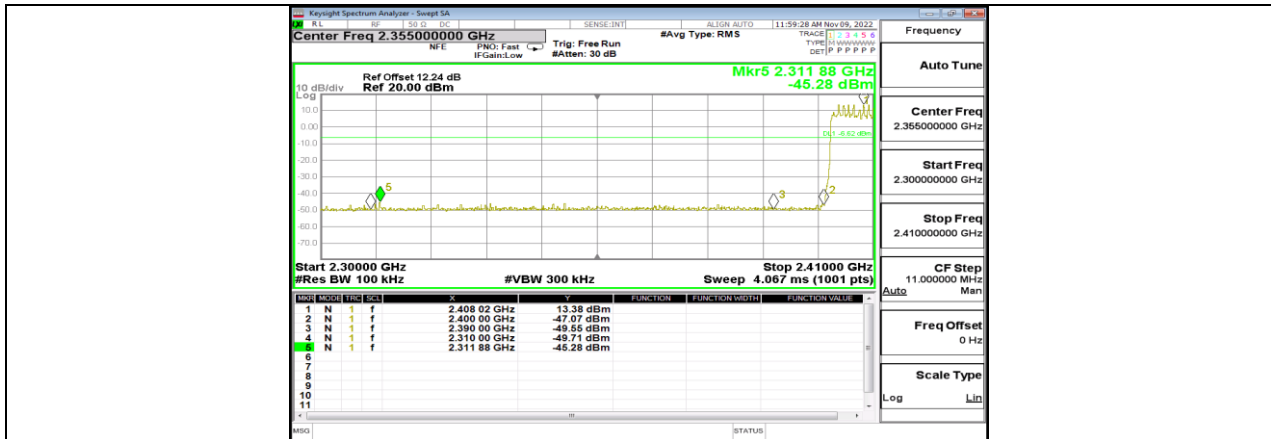
DH5_Ant1_High_Hop_2480



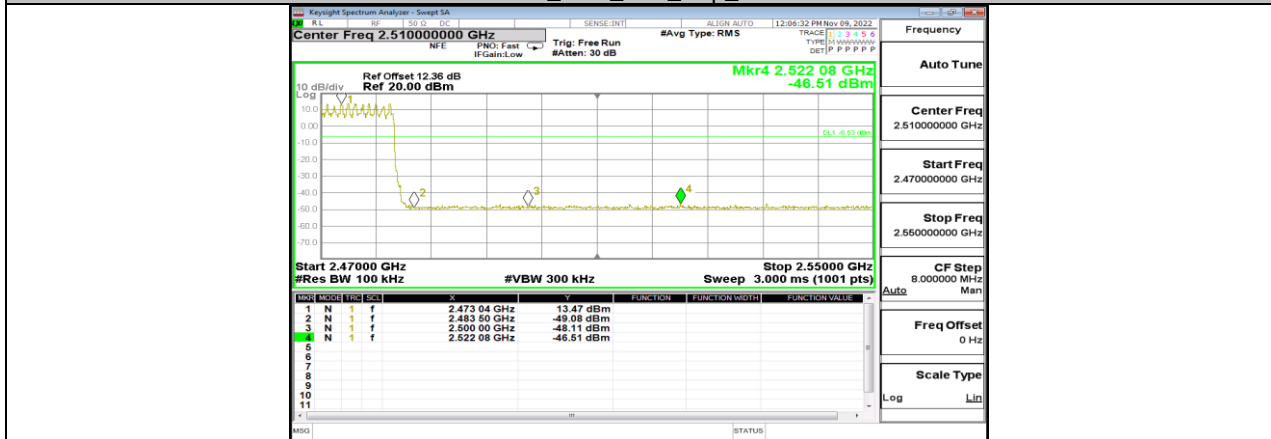
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402

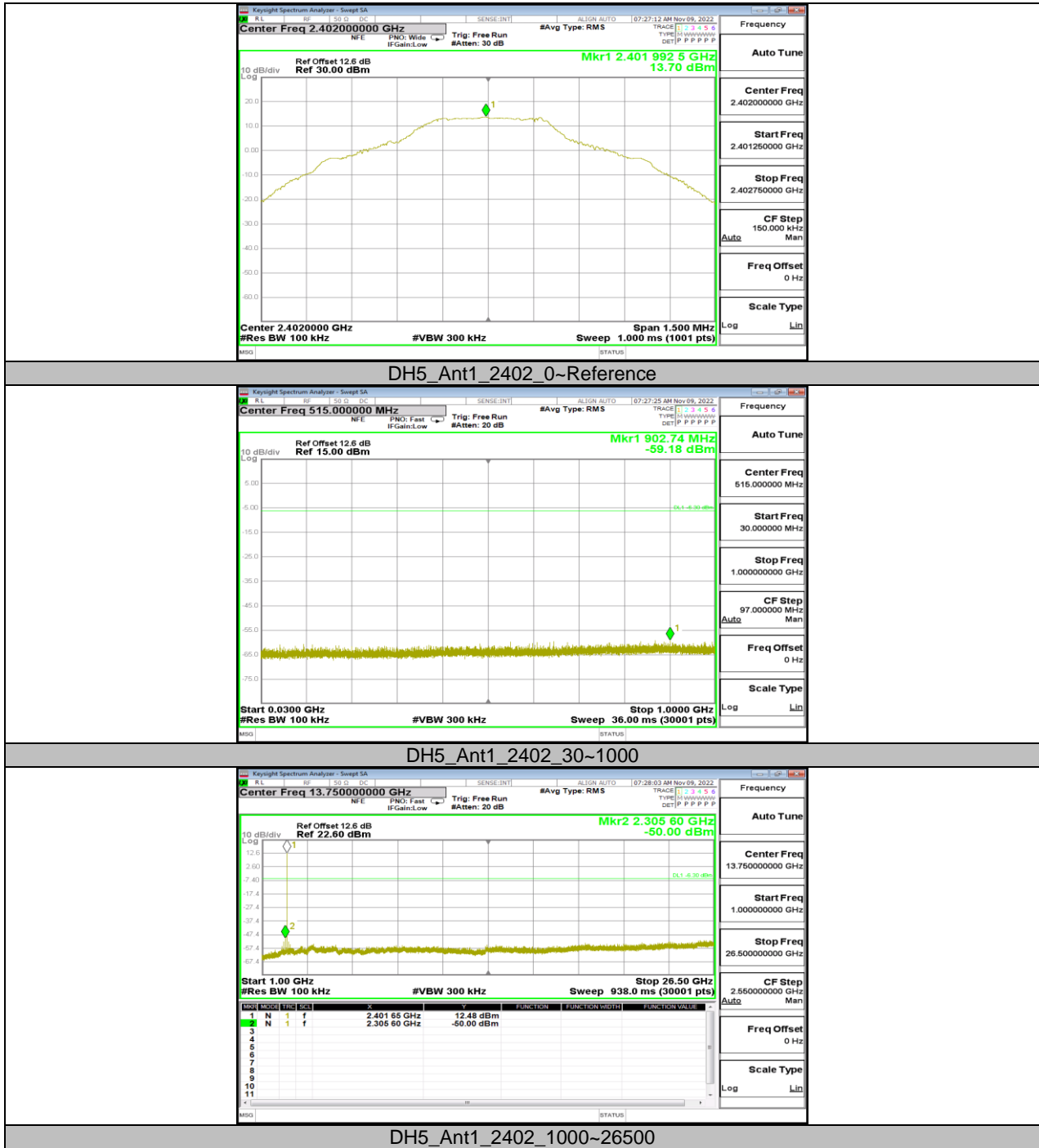


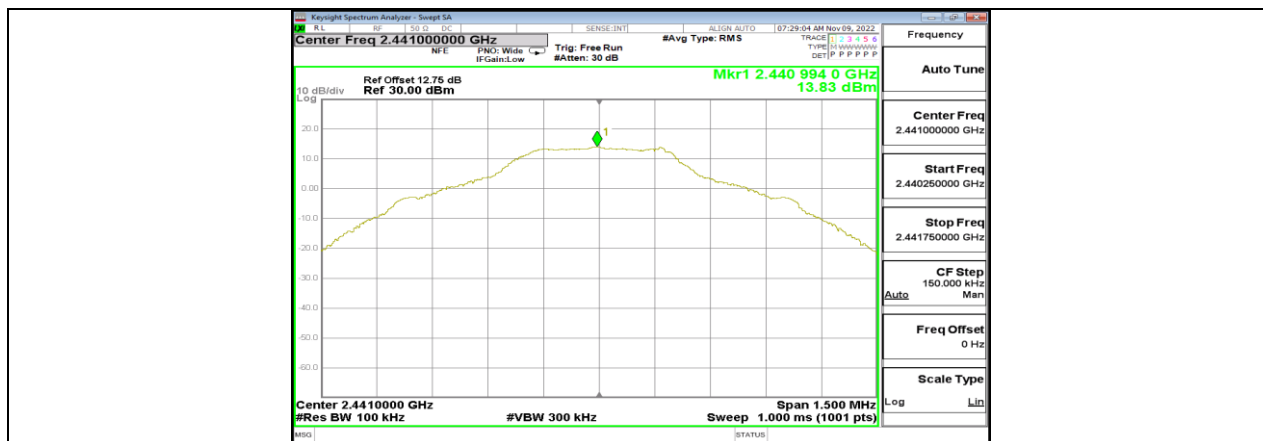
3DH5_Ant1_High_Hop_2480

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

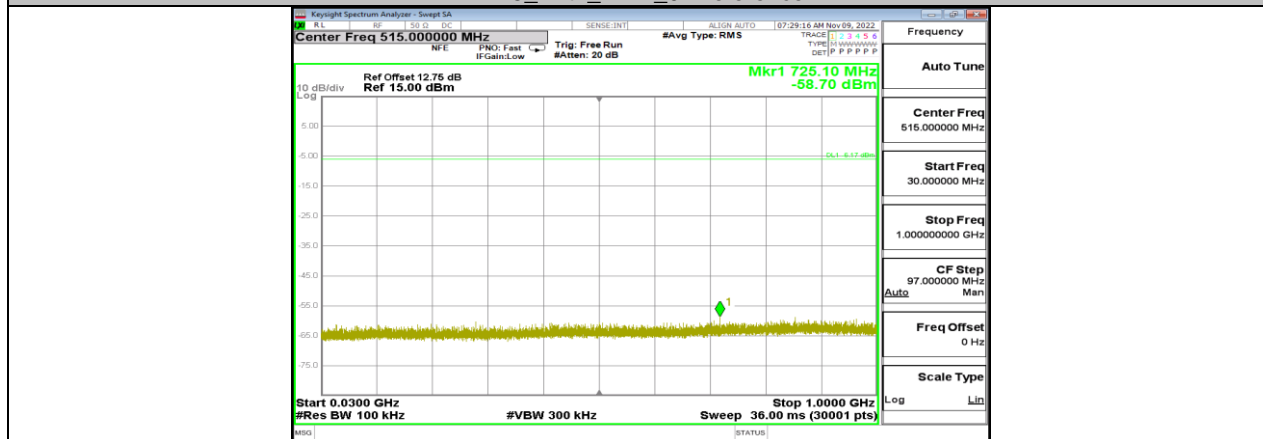
Test Mode	Antenna	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.70	---	PASS
			30~1000	-59.18	≤-6.3	PASS
			1000~26500	-50	≤-6.3	PASS
		2441	Reference	13.83	---	PASS
			30~1000	-58.7	≤-6.17	PASS
			1000~26500	-49.26	≤-6.17	PASS
		2480	Reference	13.83	---	PASS
			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

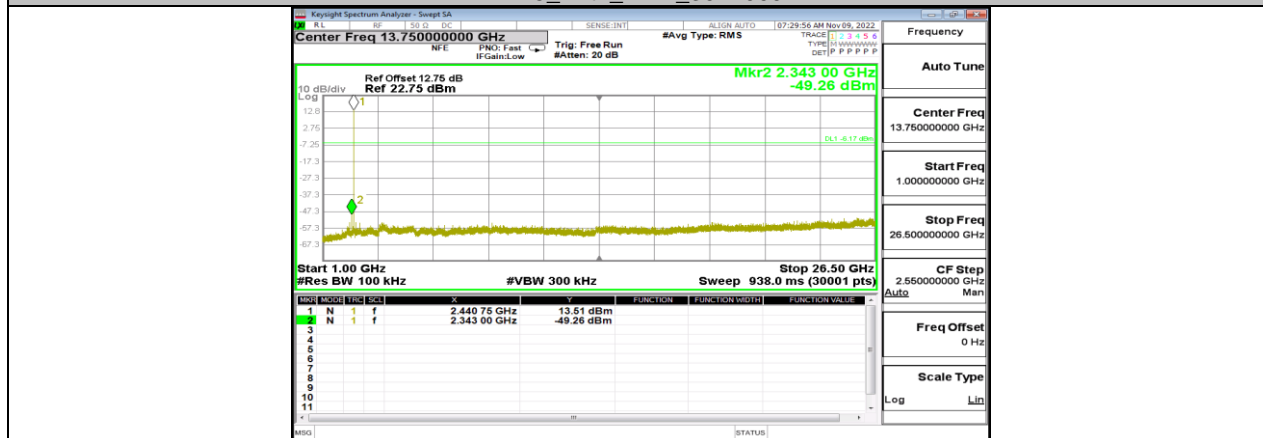




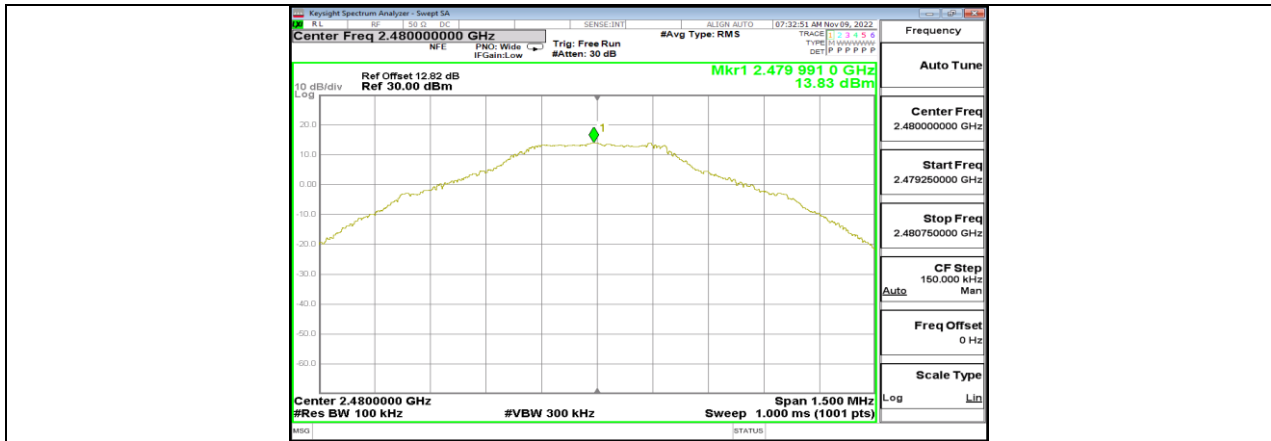
DH5_Ant1_2441_0~Reference



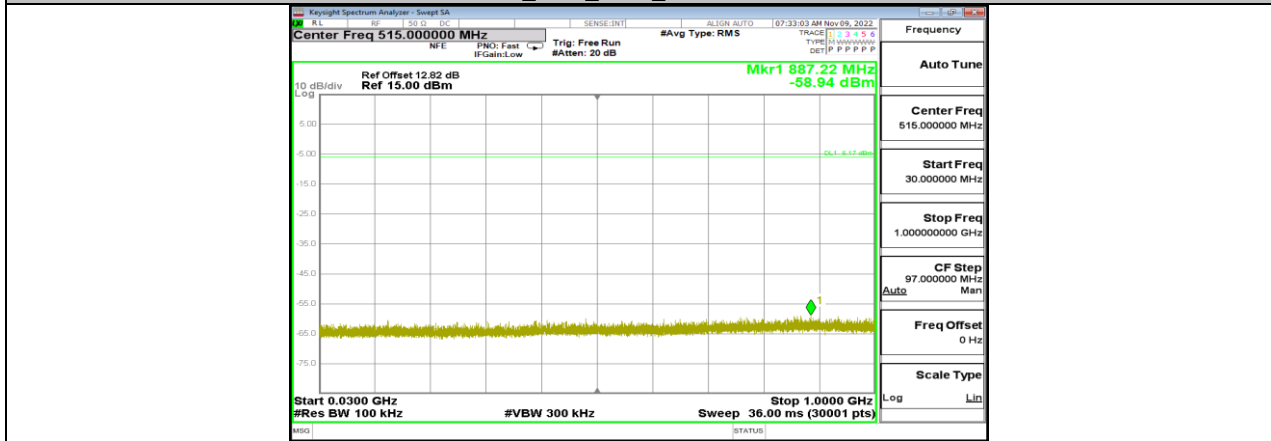
DH5_Ant1_2441_30~1000



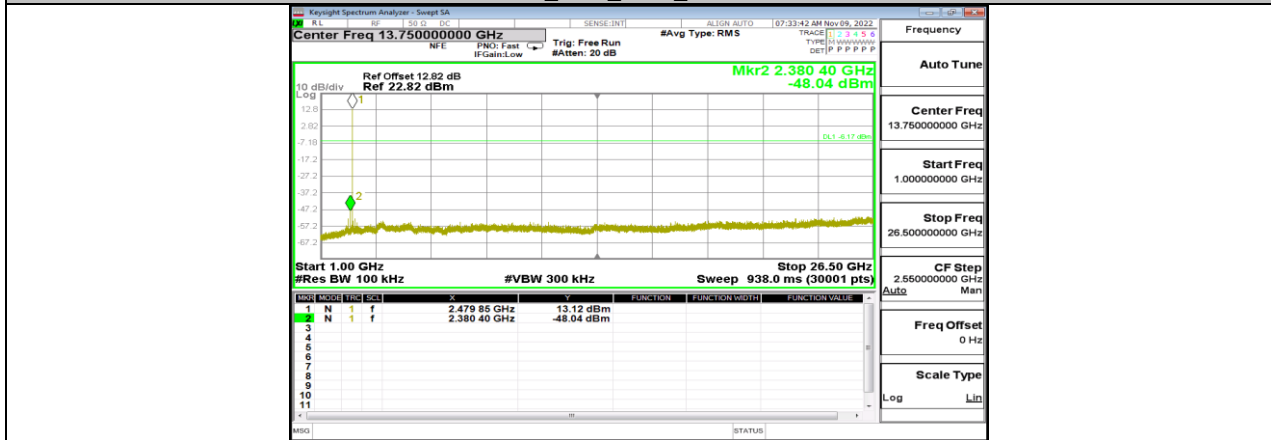
DH5_Ant1_2441_1000~26500



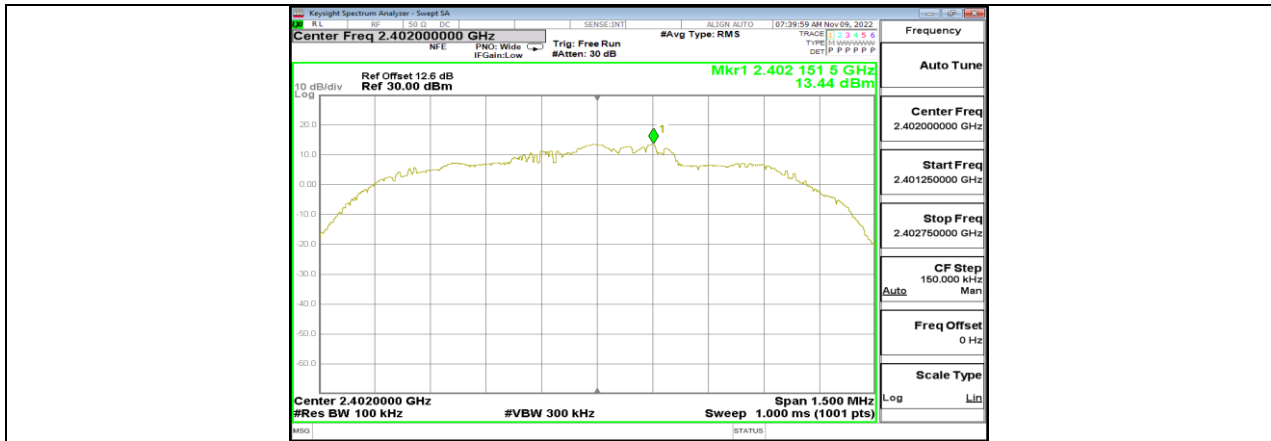
DH5_Ant1_2480_0-Reference



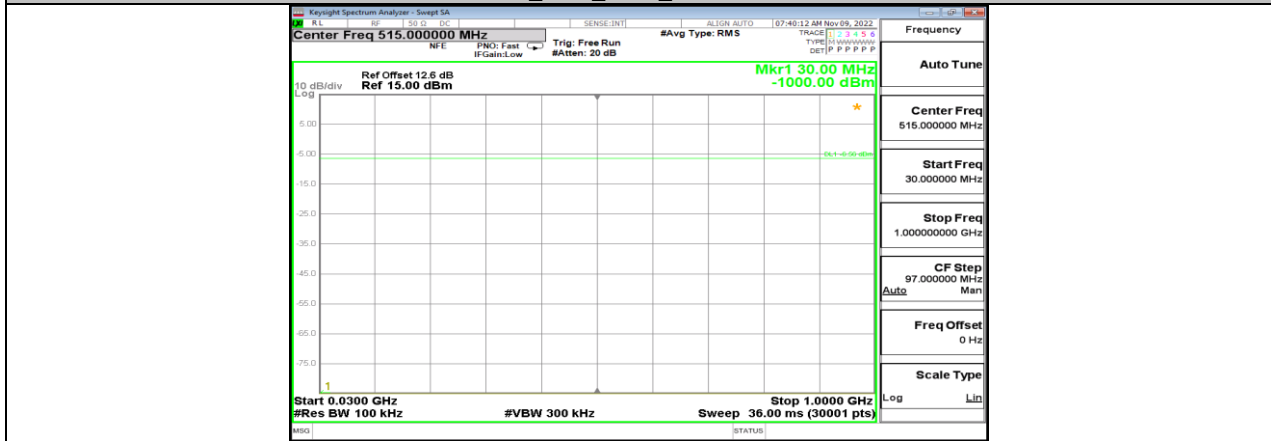
DH5_Ant1_2480_30~1000



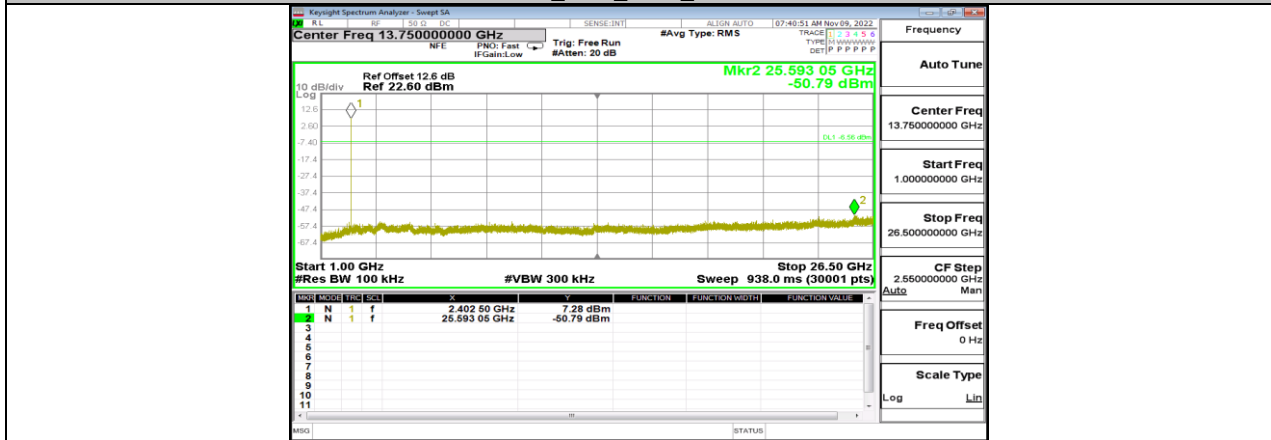
DH5_Ant1_2480_1000~26500



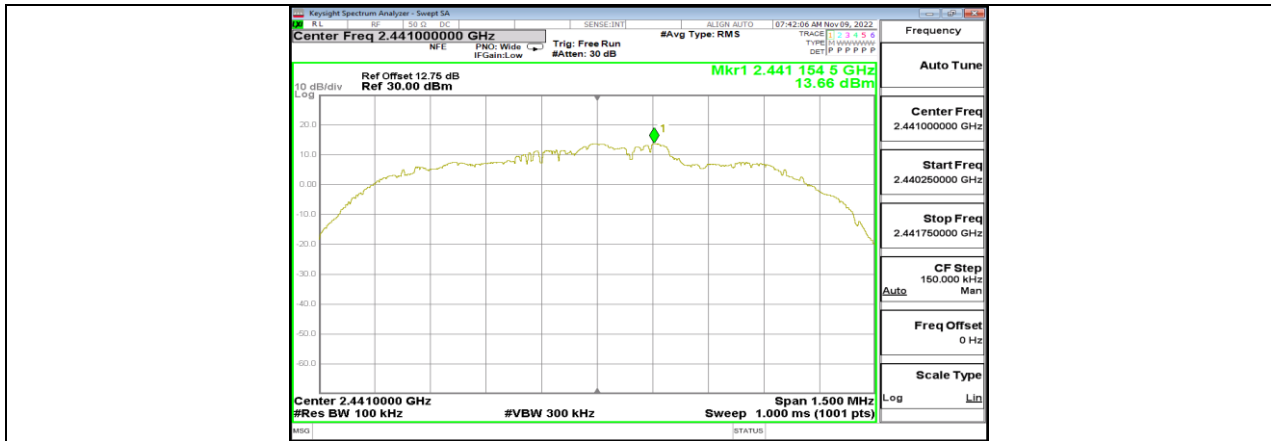
3DH5_Ant1_2402_0~Reference



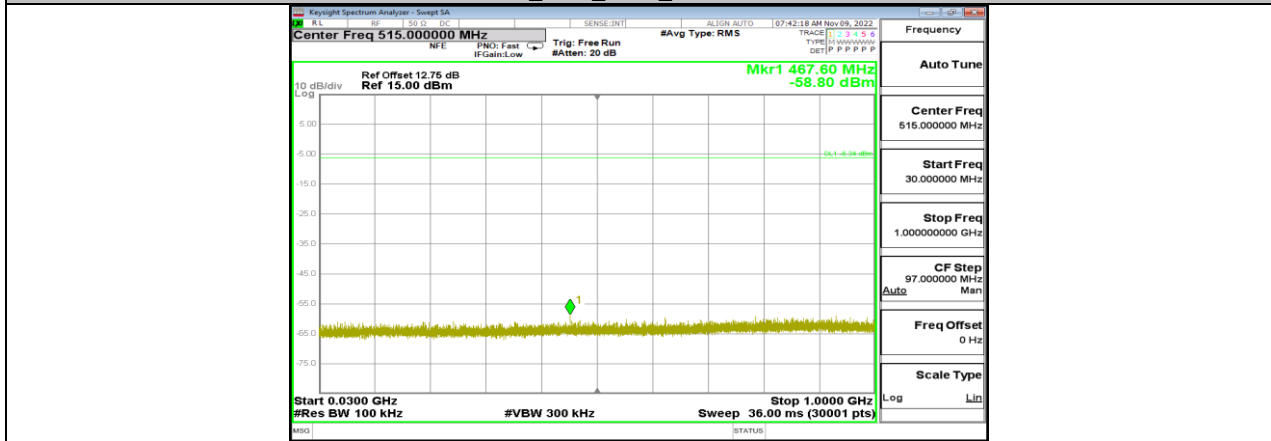
3DH5_Ant1_2402_30~1000



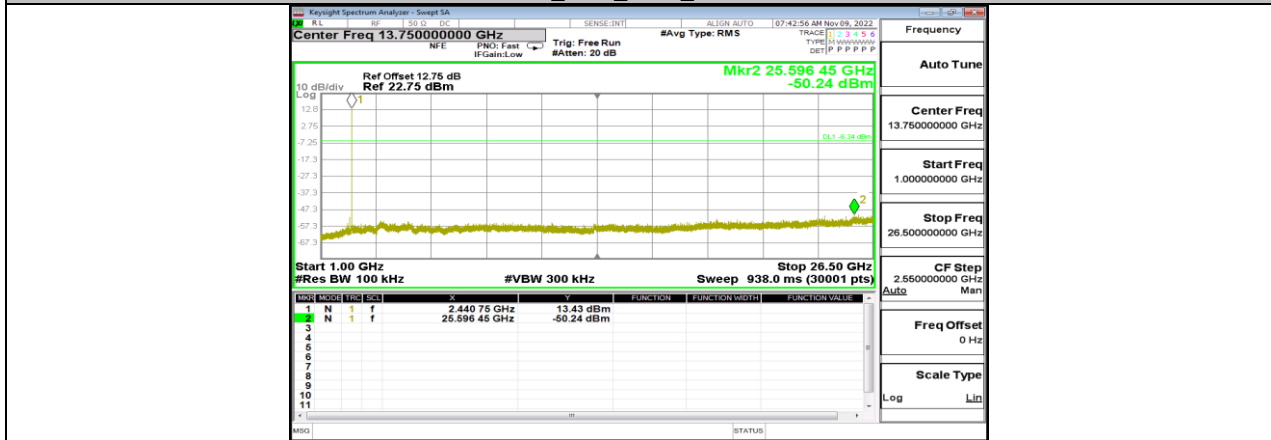
3DH5_Ant1_2402_1000~26500



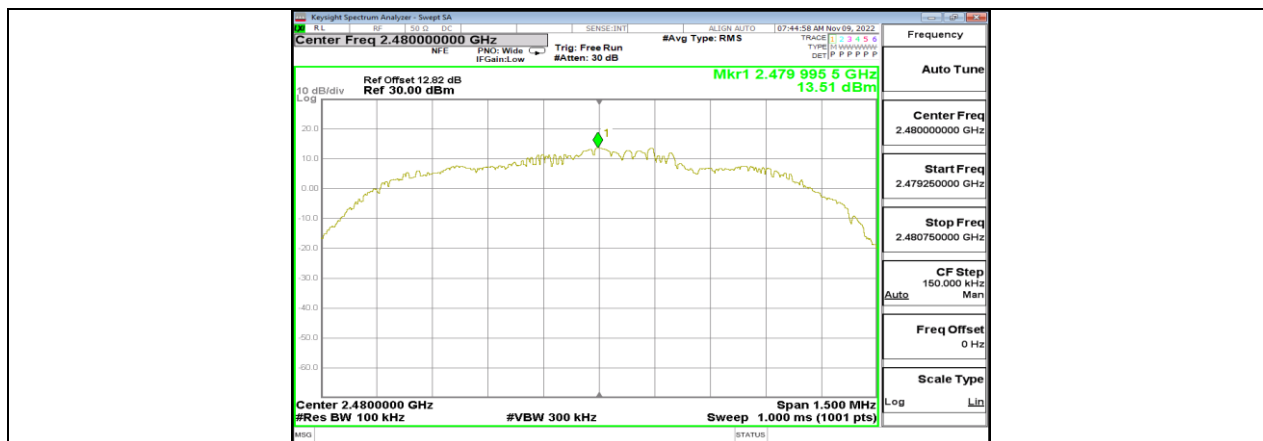
3DH5_Ant1_2441_0~Reference



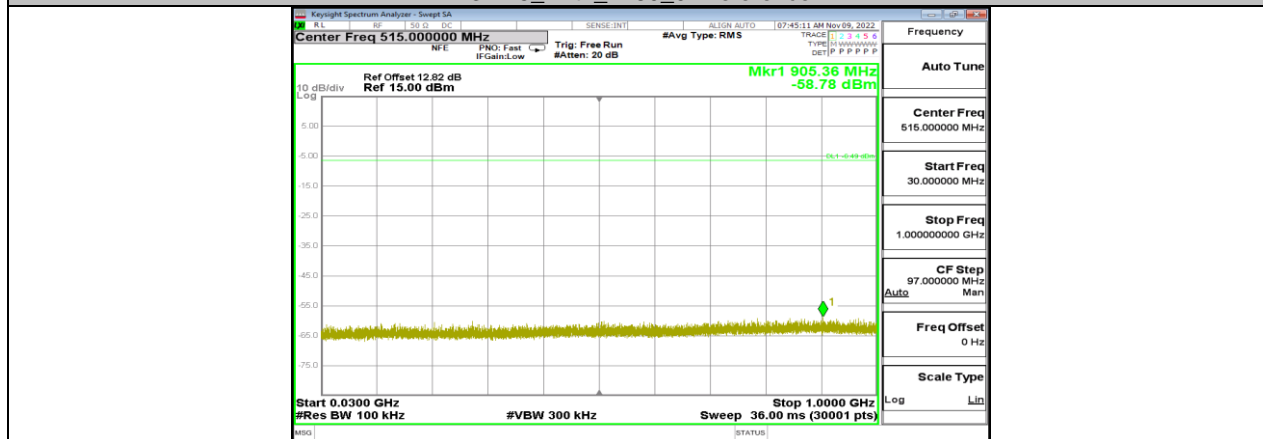
3DH5_Ant1_2441_30~1000



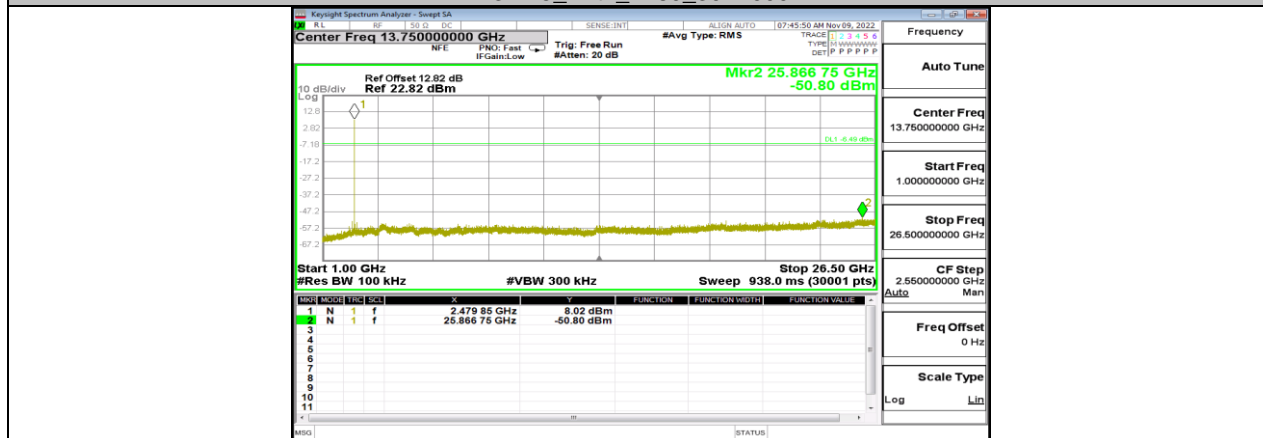
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



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= $10\log(1/x)$.

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.

11.9.2. Test Graphs





12. TEST DATA FOR LEFT BLUETOOTH EARPHONE

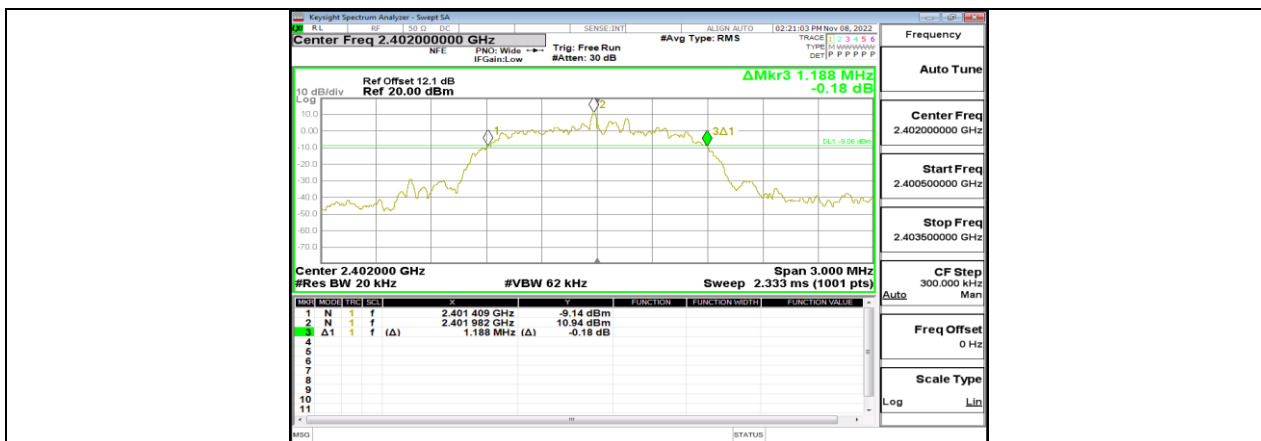
12.1. APPENDIX A: 20DB EMISSION BANDWIDTH

12.1.1. Test Result

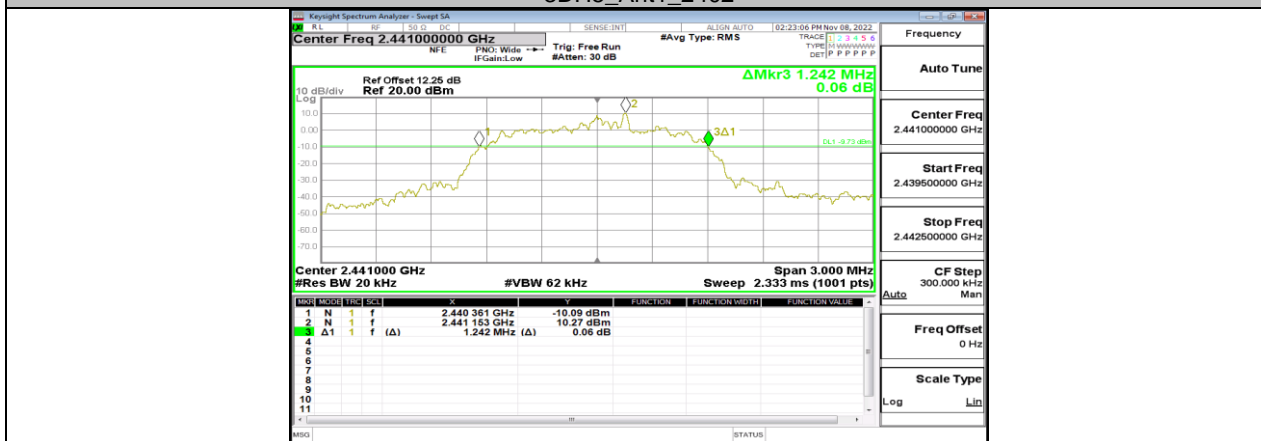
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Verdict
DH5	Ant1	2402	0.927	2401.532	2402.459	PASS
		2441	0.948	2440.532	2441.480	PASS
		2480	0.993	2479.487	2480.480	PASS
3DH5	Ant1	2402	1.188	2401.409	2402.597	PASS
		2441	1.242	2440.361	2441.603	PASS
		2480	1.257	2479.349	2480.606	PASS

12.1.2. Test Graphs





3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



12.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH

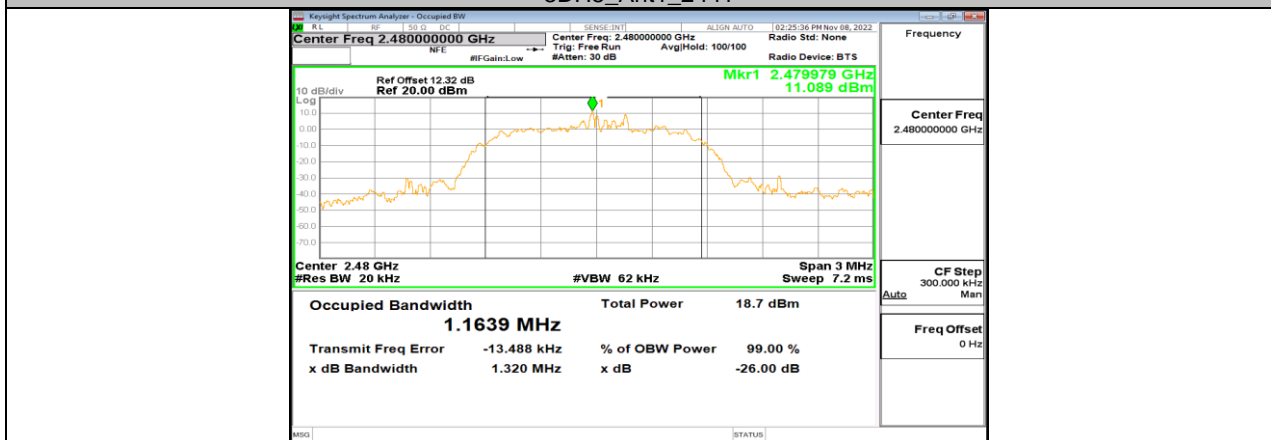
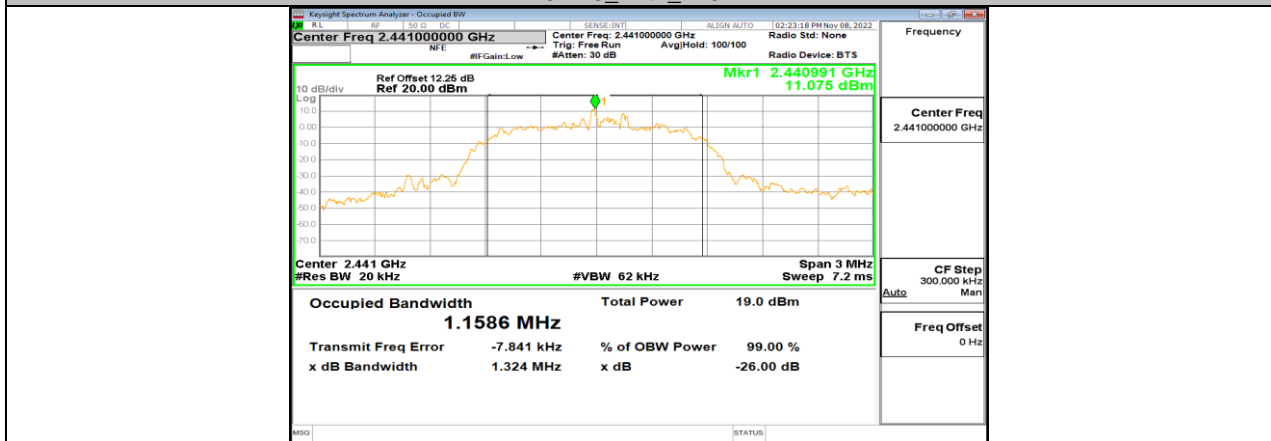
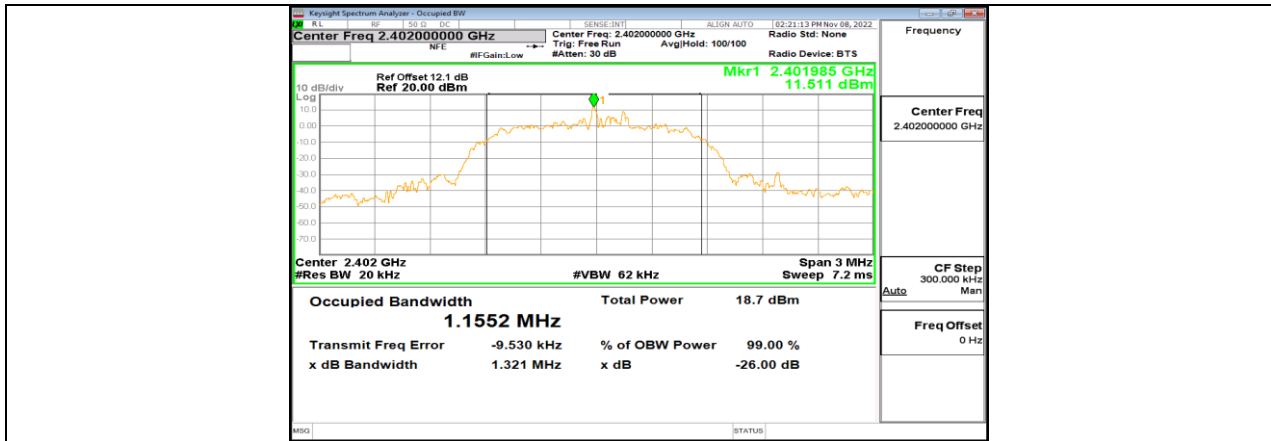
12.2.1. Test Result

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

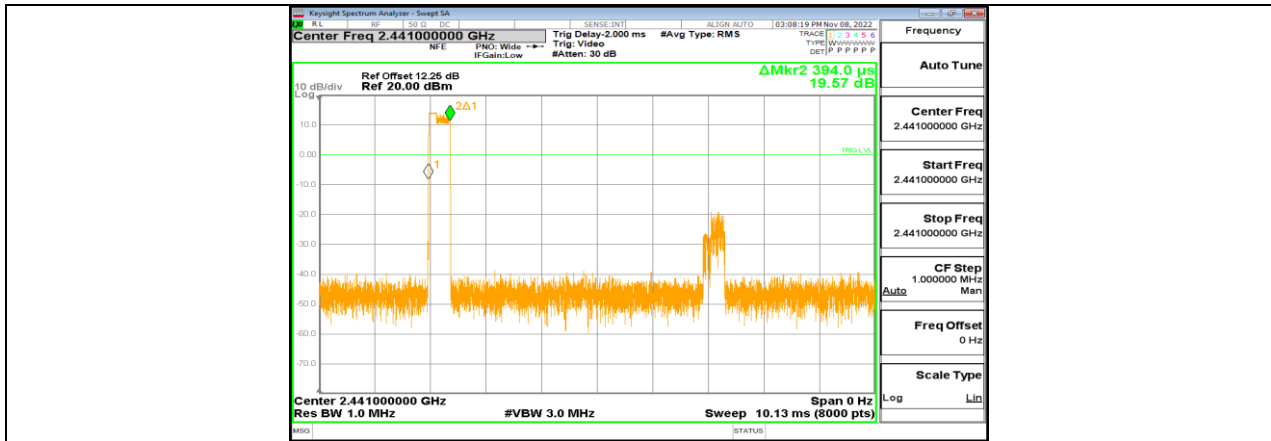
12.5.1. Test Result

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

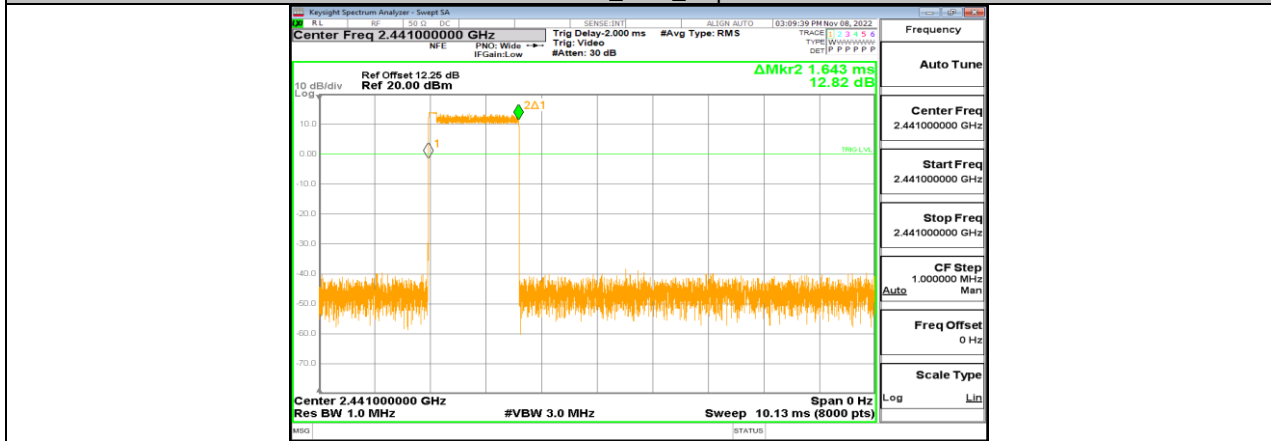
AFHSS Mode						
Test Mode	Antenna	Channel	BurstWidth [ms]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.384	0.061	<=0.4	PASS
DH3	Ant1	Hop	1.639	0.131	<=0.4	PASS
DH5	Ant1	Hop	2.887	0.154	<=0.4	PASS
3DH1	Ant1	Hop	0.394	0.063	<=0.4	PASS
3DH3	Ant1	Hop	1.643	0.131	<=0.4	PASS
3DH5	Ant1	Hop	2.893	0.154	<=0.4	PASS

12.5.2. Test Graphs

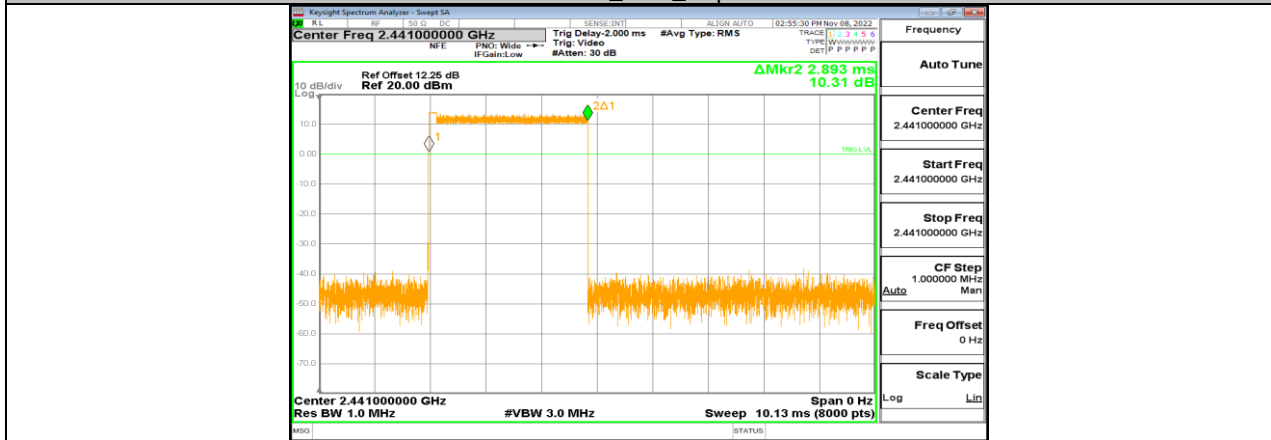




3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop



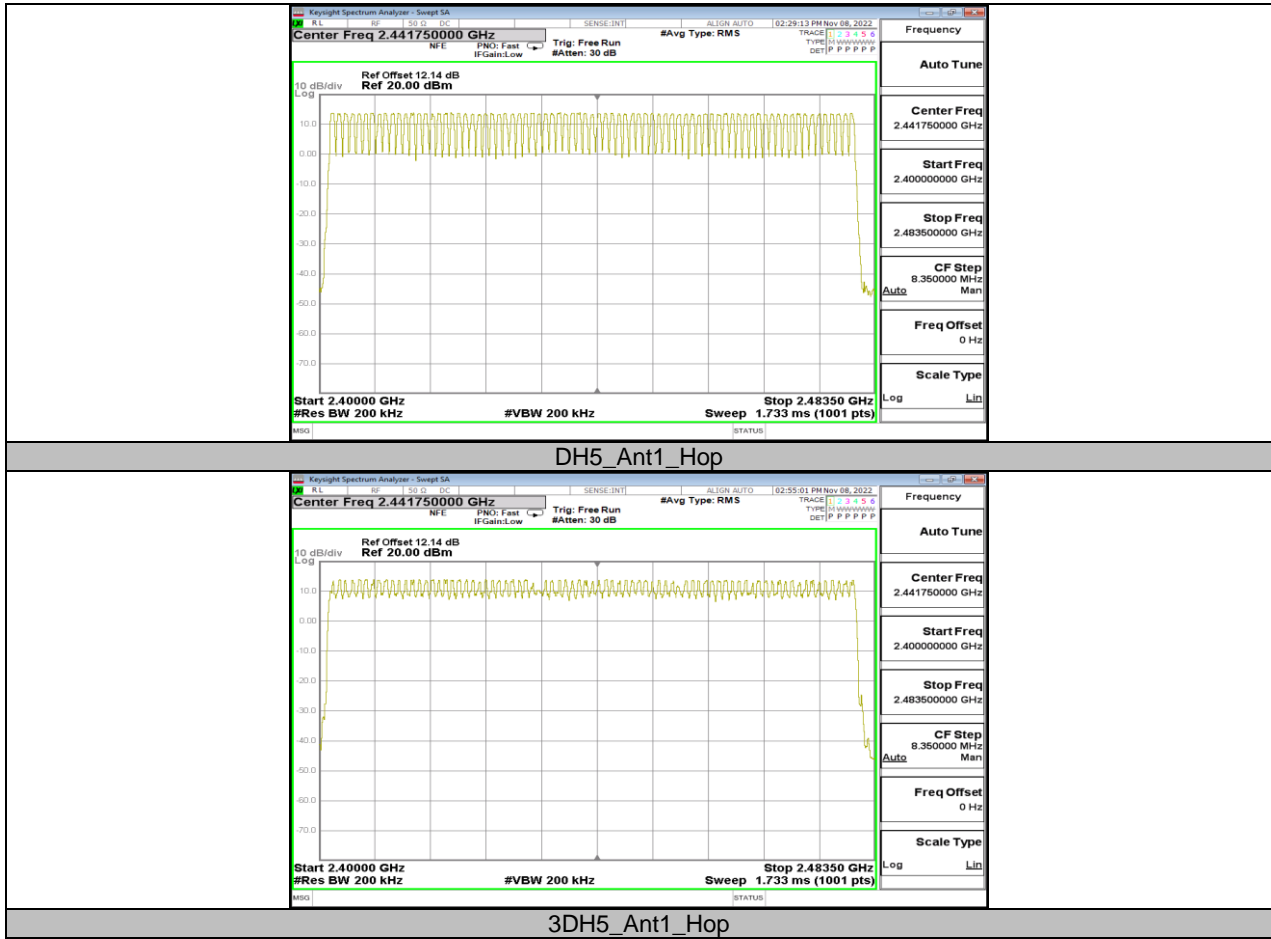
12.6. APPENDIX F: NUMBER OF HOPPING CHANNELS

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





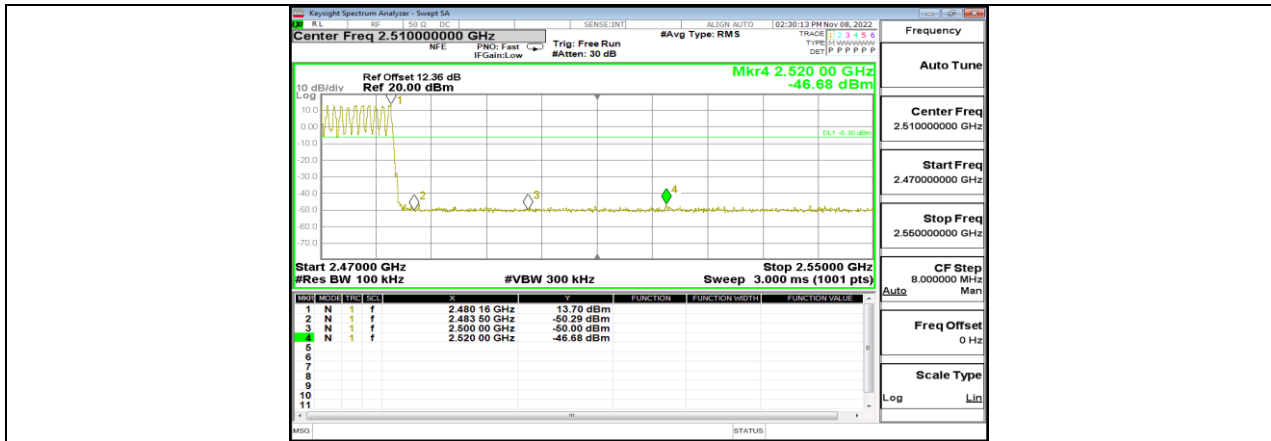
12.7. APPENDIX G: BAND EDGE MEASUREMENTS

12.7.1. Test Result

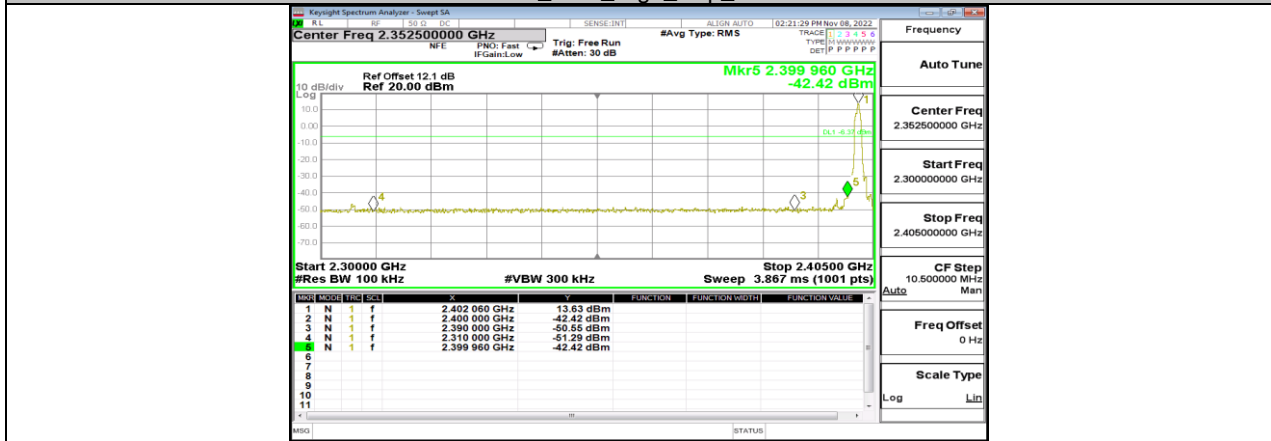
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	13.14	-44.4	≤ -6.86	PASS
		High	2480	13.73	-44.77	≤ -6.27	PASS
		Low	Hop_2402	13.27	-44.78	≤ -6.73	PASS
		High	Hop_2480	13.70	-46.69	≤ -6.3	PASS
3DH5	Ant1	Low	2402	13.63	-42.42	≤ -6.37	PASS
		High	2480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

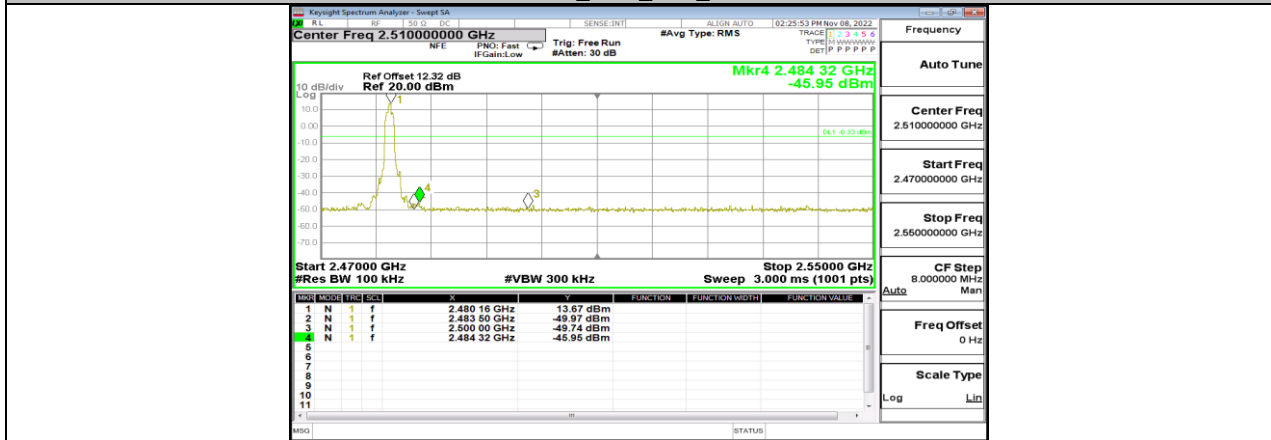




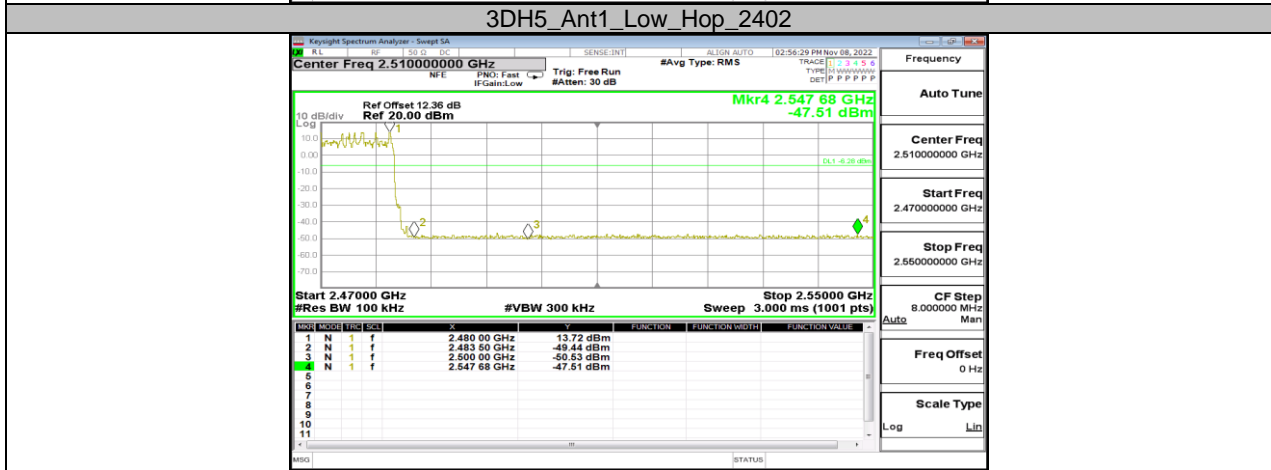
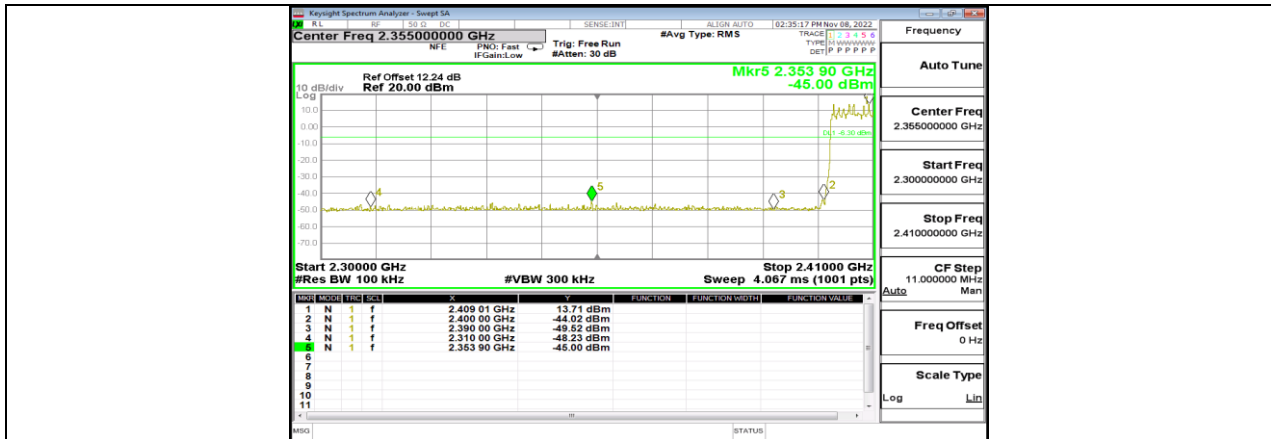
DH5_Ant1_High_Hop_2480



3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



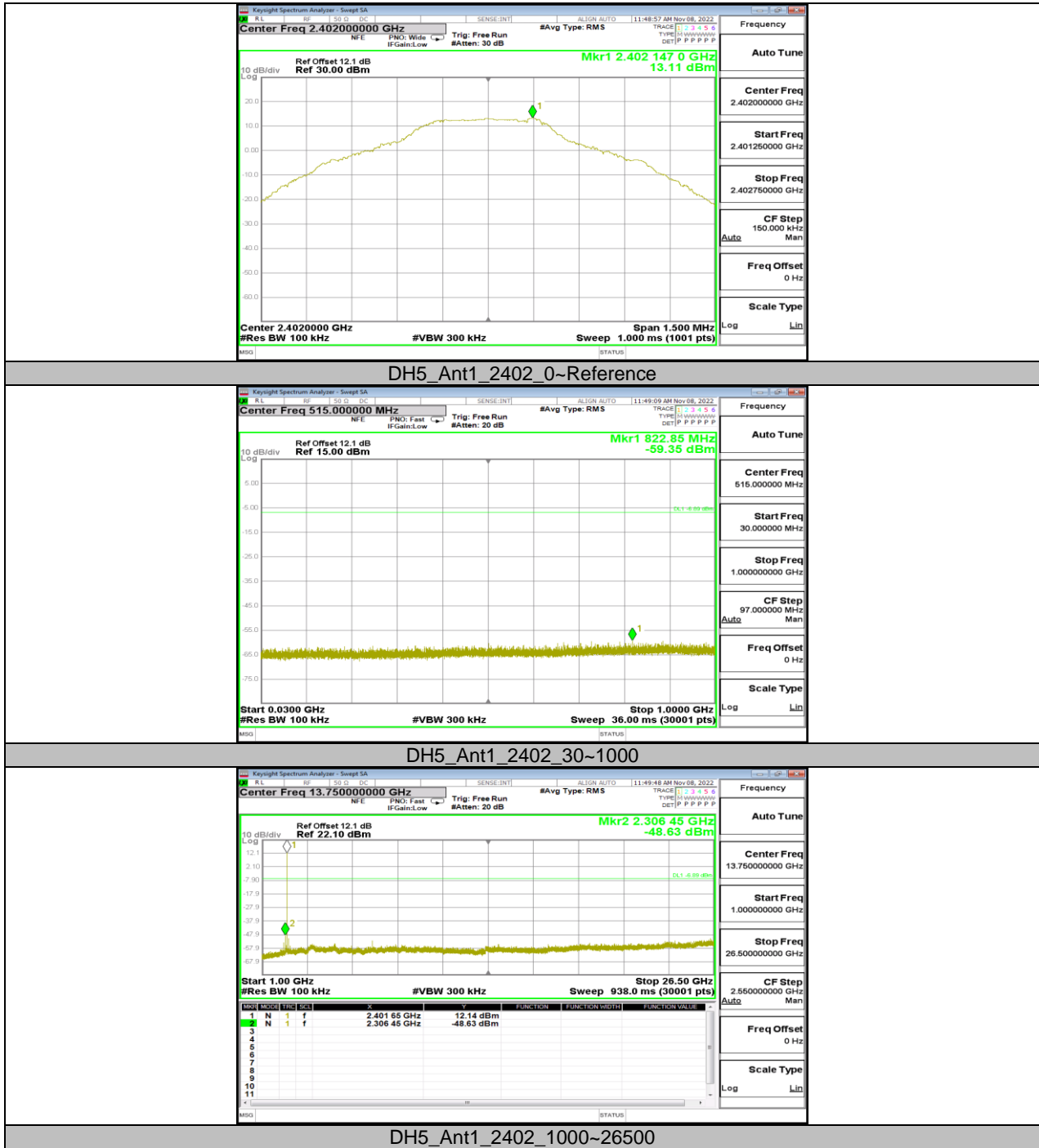


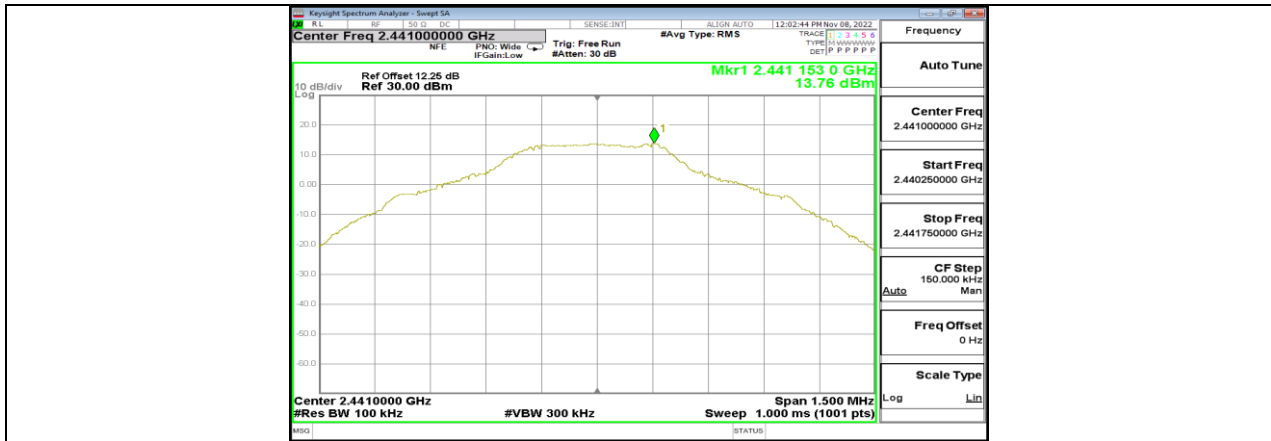
12.8. APPENDIX H: CONDUCTED SPURIOUS EMISSION

12.8.1. Test Result

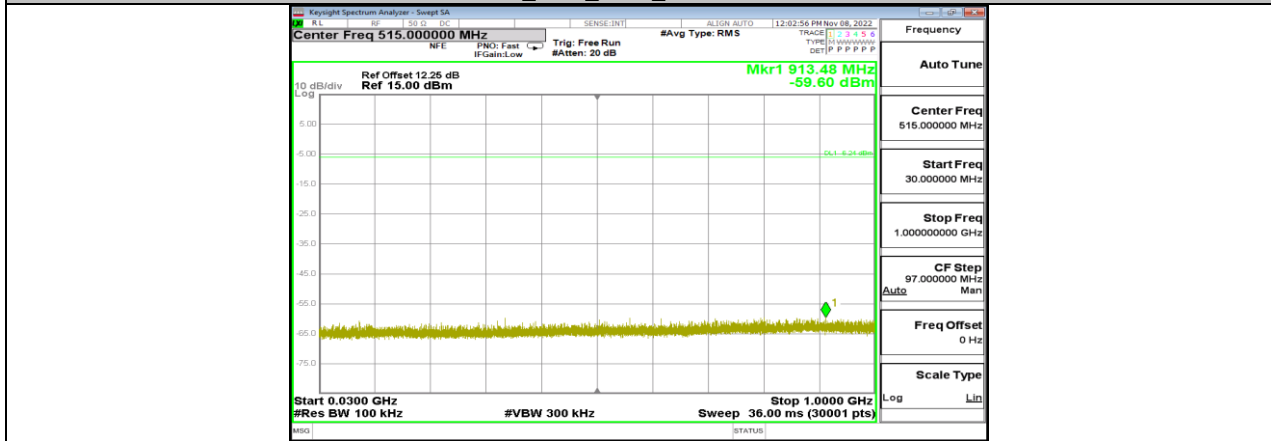
Test Mode	Antenna	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.11	---	PASS
			30~1000	-59.35	≤-6.89	PASS
			1000~26500	-48.63	≤-6.89	PASS
		2441	Reference	13.76	---	PASS
			30~1000	-59.6	≤-6.24	PASS
			1000~26500	-49.51	≤-6.24	PASS
		2480	Reference	13.82	---	PASS
			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

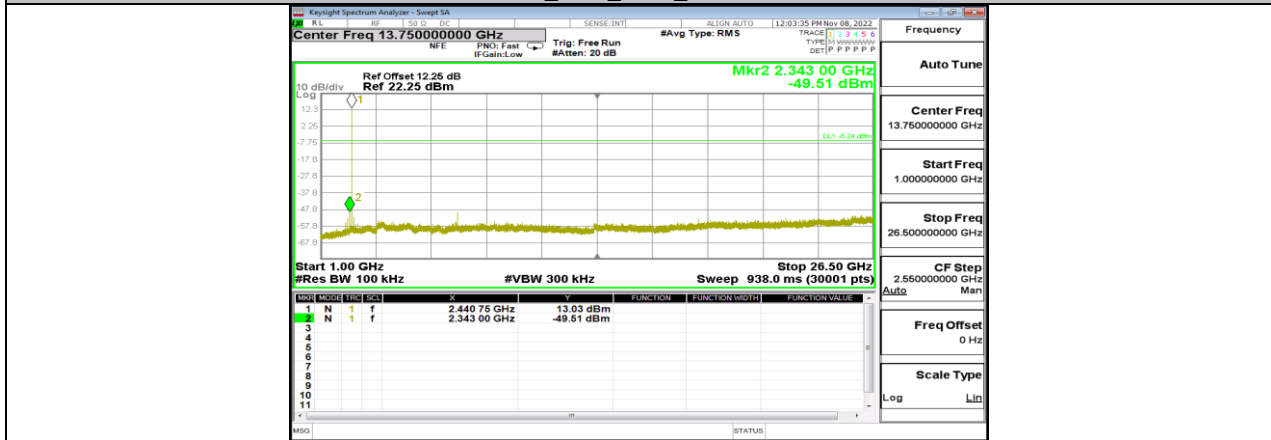




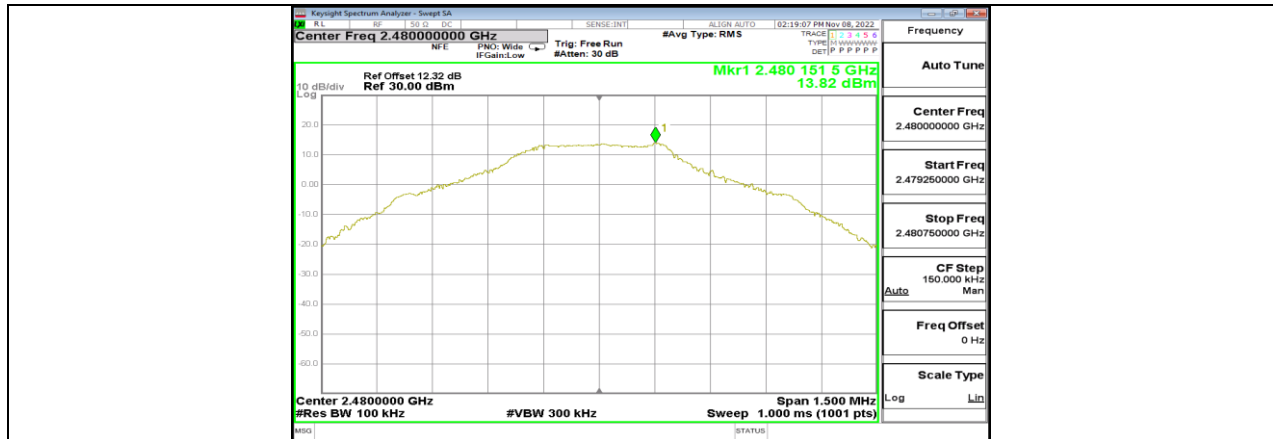
DH5_Ant1_2441_0~Reference



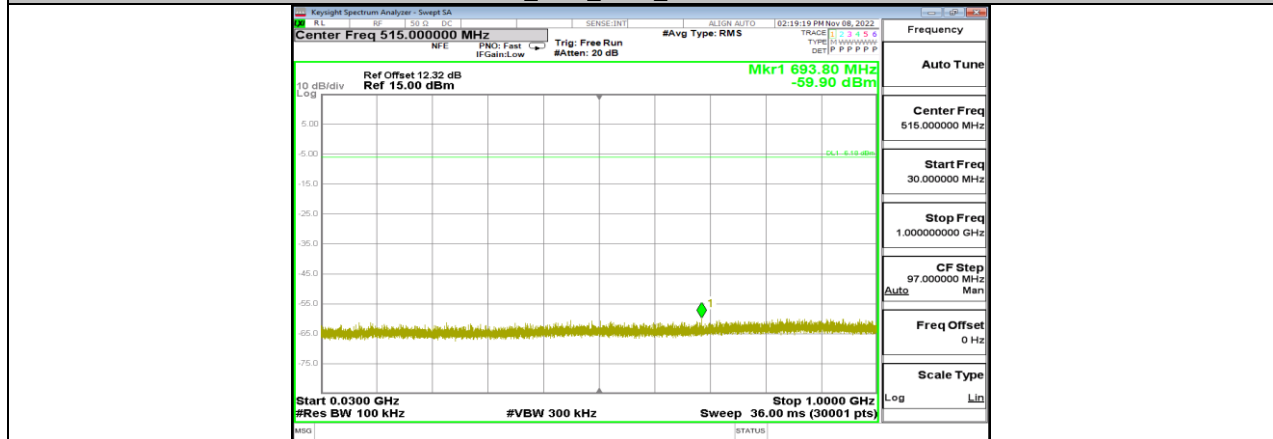
DH5_Ant1_2441_30~1000



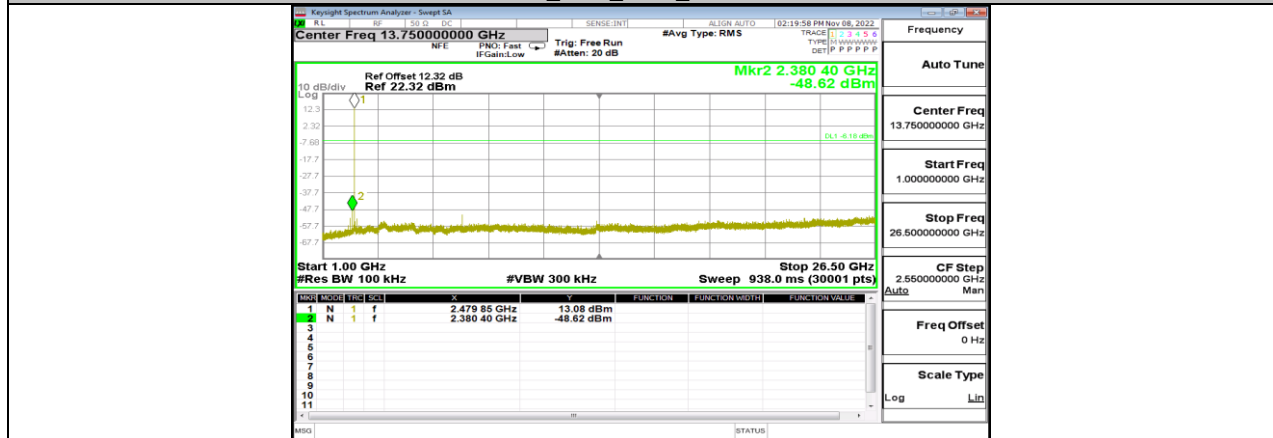
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0-Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500