

Case No. : GTS20221012010-1-14	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.11.21	Test Engineer: Jenny zeng

Appendix A.1: 20dB Emission Bandwidth

Test Result

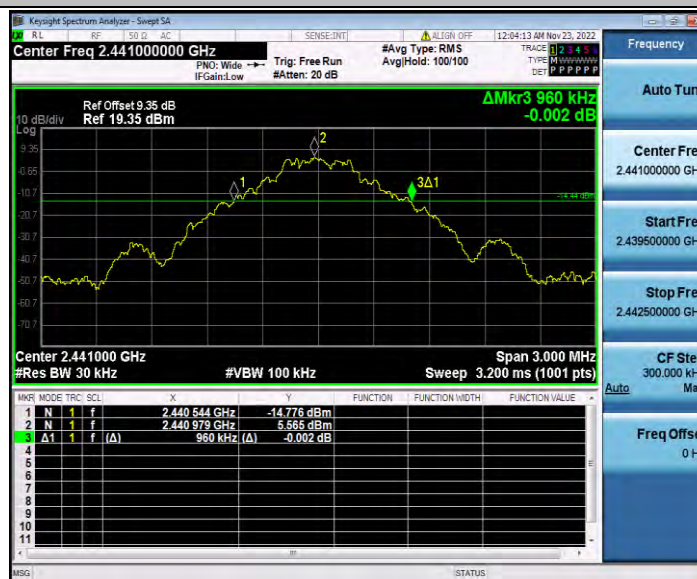
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH1	Ant1	2402	0.966	2401.541	2402.507
		2441	0.960	2440.544	2441.504
		2480	0.945	2479.541	2480.486
2DH1	Ant1	2402	1.269	2401.364	2402.633
		2441	1.266	2440.367	2441.633
		2480	1.248	2479.370	2480.618
3DH1	Ant1	2402	1.257	2401.373	2402.630
		2441	1.266	2440.373	2441.639
		2480	1.266	2479.361	2480.627

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH1	Ant1	2402	0.87341	2401.563	2402.437
		2441	0.85816	2440.575	2441.433
		2480	0.82983	2479.569	2480.399
2DH1	Ant1	2402	1.1690	2401.409	2402.578
		2441	1.1591	2440.420	2441.579
		2480	1.1536	2479.410	2480.564
3DH1	Ant1	2402	1.1616	2401.429	2402.590
		2441	1.1599	2440.432	2441.592
		2480	1.1527	2479.426	2480.579

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



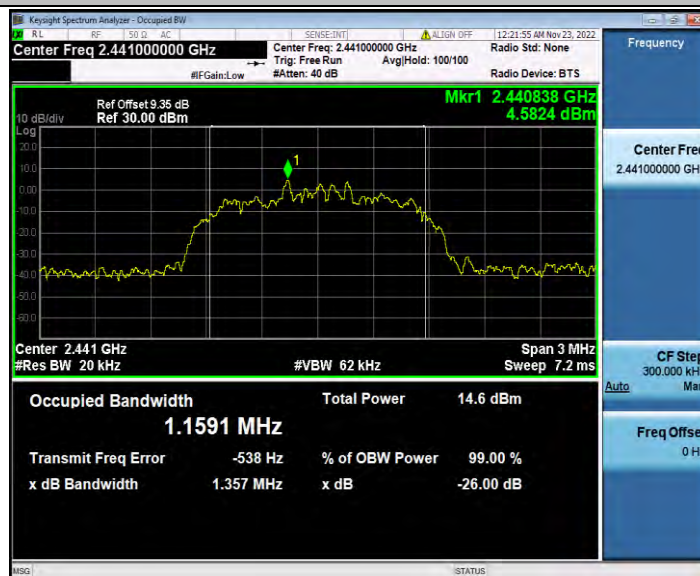
DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480



Appendix A.3: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	8.03	≤30.00	PASS
		2441	9.36	≤30.00	PASS
		2480	6.68	≤30.00	PASS
2DH1	Ant1	2402	7.66	≤20.97	PASS
		2441	9.11	≤20.97	PASS
		2480	6.32	≤20.97	PASS
3DH1	Ant1	2402	7.29	≤20.97	PASS
		2441	8.71	≤20.97	PASS
		2480	6.92	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.318	≥ 0.966	PASS
		Hop_2441	0.998	≥ 0.966	PASS
		Hop_2480	0.990	≥ 0.966	PASS
2DH1	Ant1	Hop_2402	1.000	≥ 0.846	PASS
		Hop_2441	1.020	≥ 0.846	PASS
		Hop_2480	0.996	≥ 0.846	PASS
3DH1	Ant1	Hop_2402	1.006	≥ 0.844	PASS
		Hop_2441	1.160	≥ 0.844	PASS
		Hop_2480	0.996	≥ 0.844	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2DH1_Ant1_Hop_2402



2DH1_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



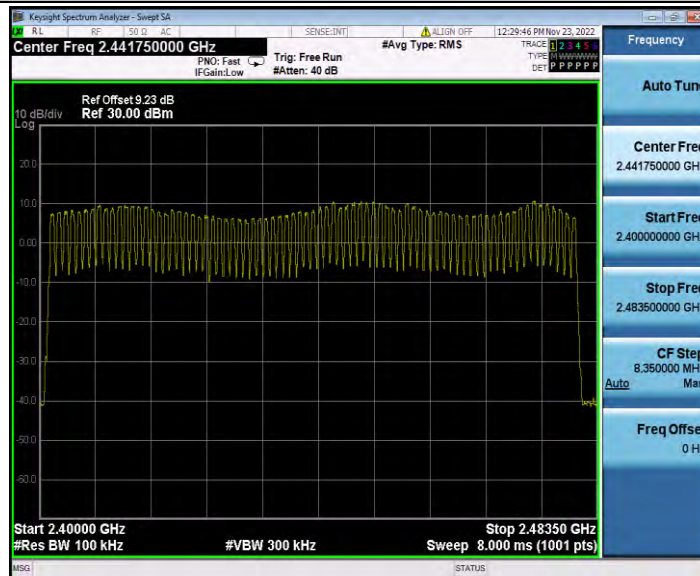
Appendix A.6: Number of hopping channels

Test Result

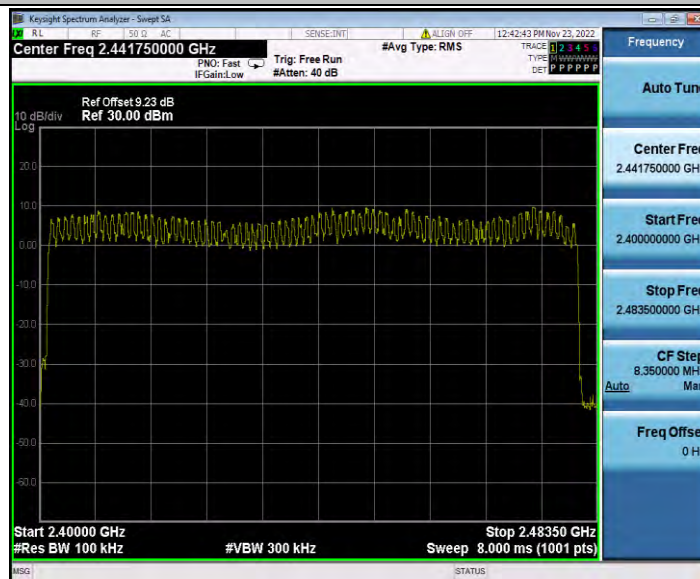
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

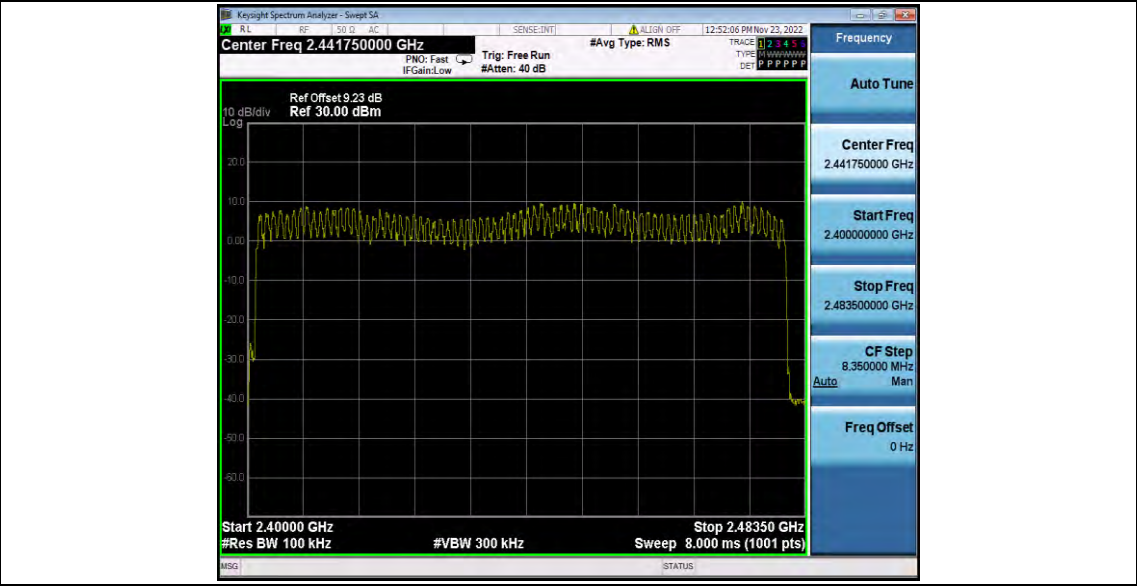
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



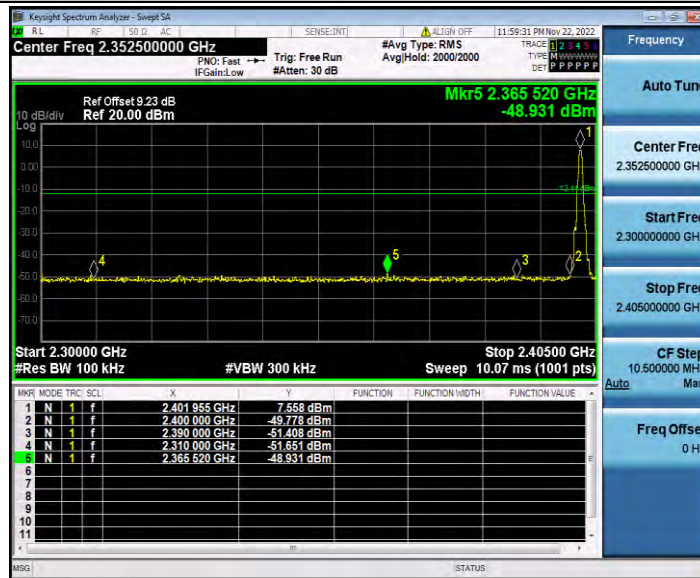
Appendix A.7: Band edge measurements

Test Result

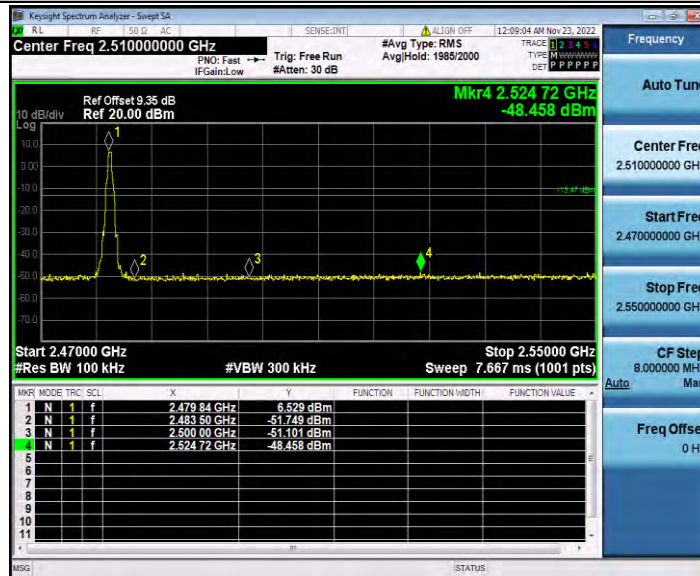
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	7.56	-48.93	≤-12.44	PASS
		High	2480	6.53	-48.46	≤-13.47	PASS
		Low	Hop_2402	8.23	-49.38	≤-11.77	PASS
		High	Hop_2480	10.83	-48.55	≤-9.17	PASS
2DH1	Ant1	Low	2402	7.04	-43.2	≤-12.96	PASS
		High	2480	5.57	-48.26	≤-14.43	PASS
		Low	Hop_2402	6.81	-49.37	≤-13.2	PASS
		High	Hop_2480	9.76	-48.81	≤-10.24	PASS
3DH1	Ant1	Low	2402	6.52	-43.14	≤-13.48	PASS
		High	2480	5.93	-48.61	≤-14.07	PASS
		Low	Hop_2402	7.59	-43.83	≤-12.41	PASS
		High	Hop_2480	7.99	-49.03	≤-12.02	PASS

Test Graphs

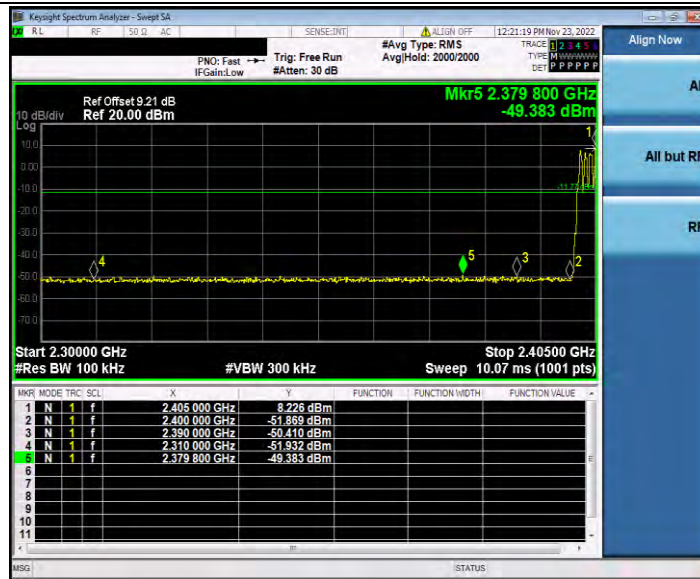
DH1_Ant1_Low_2402



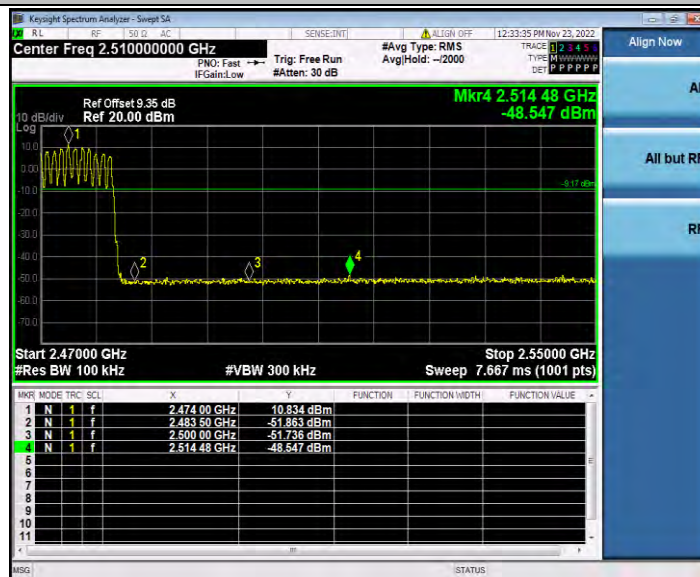
DH1_Ant1_High_2480



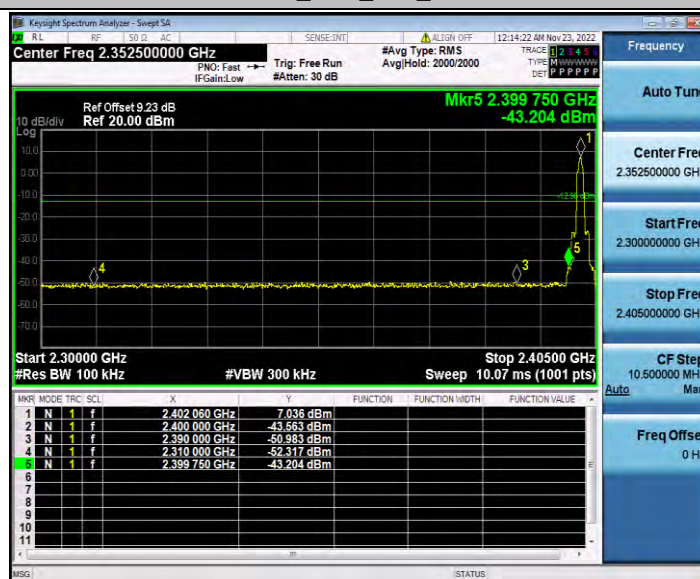
DH1_Ant1_Low_Hop_2402



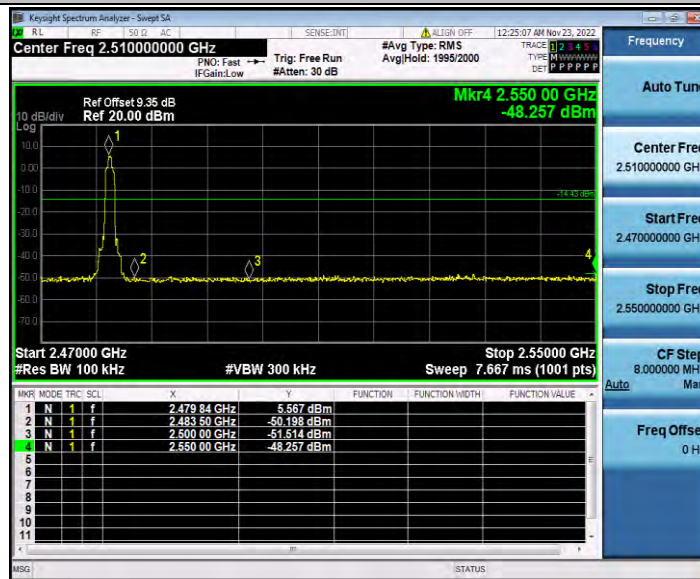
DH1_Ant1_High_Hop_2480



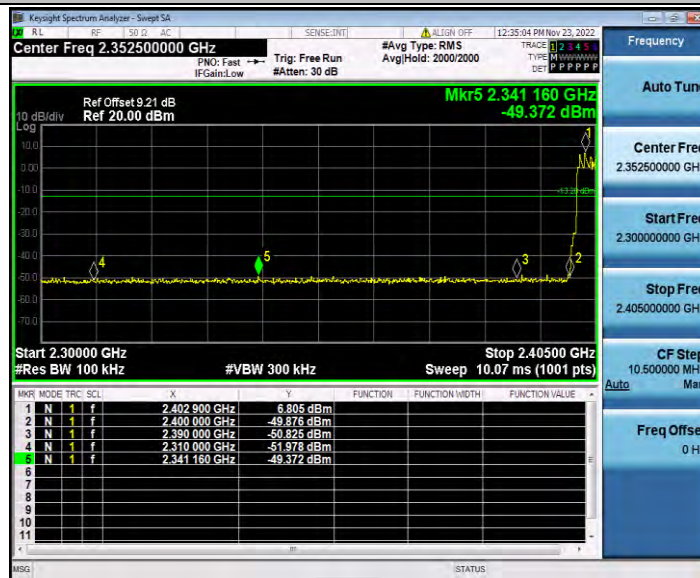
2DH1_Ant1_Low_2402



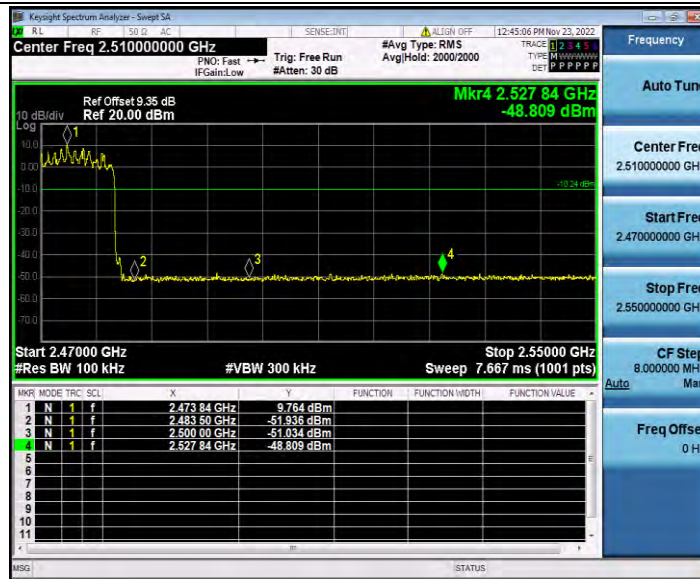
2DH1_Ant1_High_2480



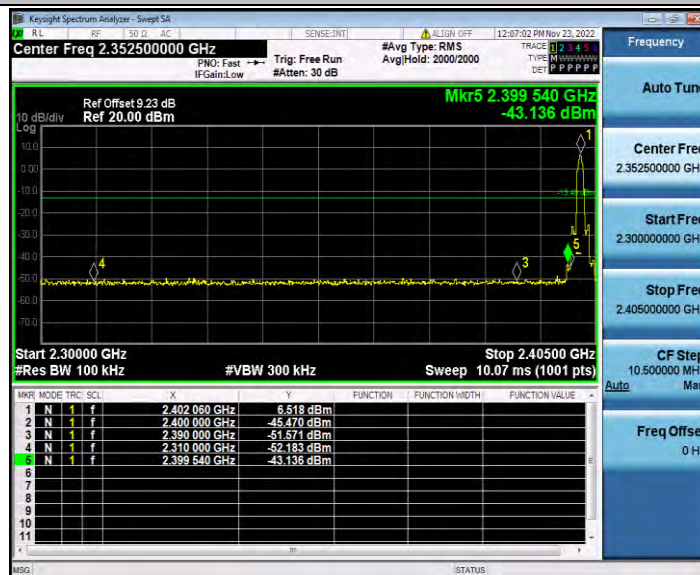
2DH1_Ant1_Low_Hop_2402



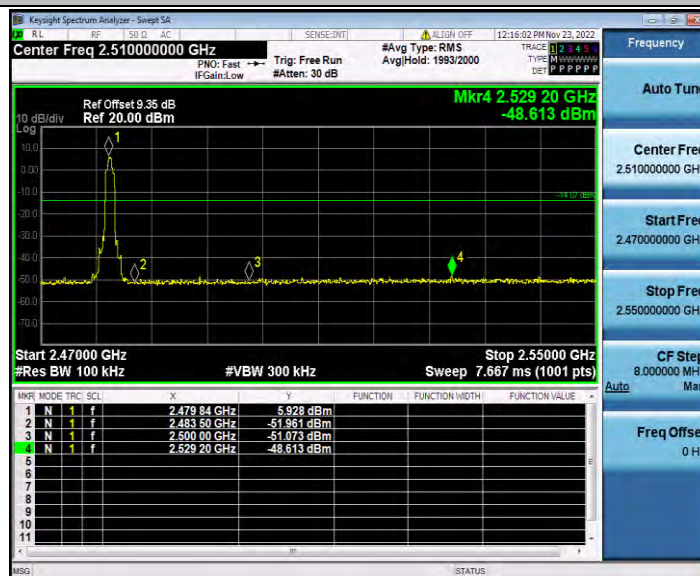
2DH1_Ant1_High_Hop_2480



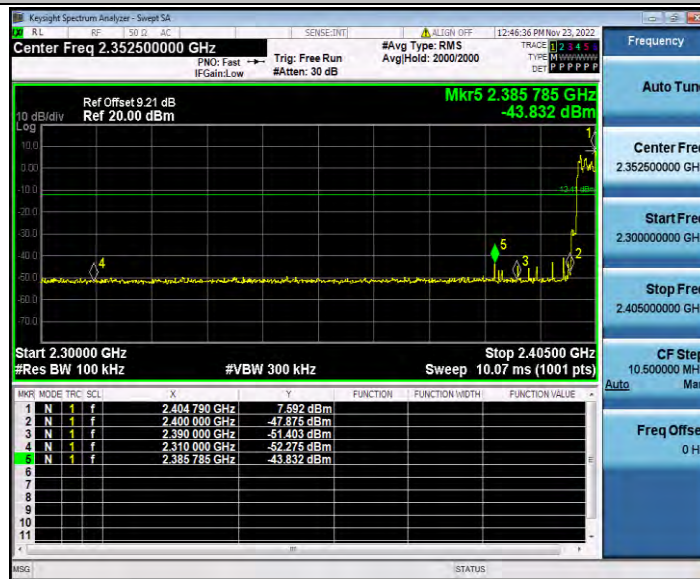
3DH1_Ant1_Low_2402



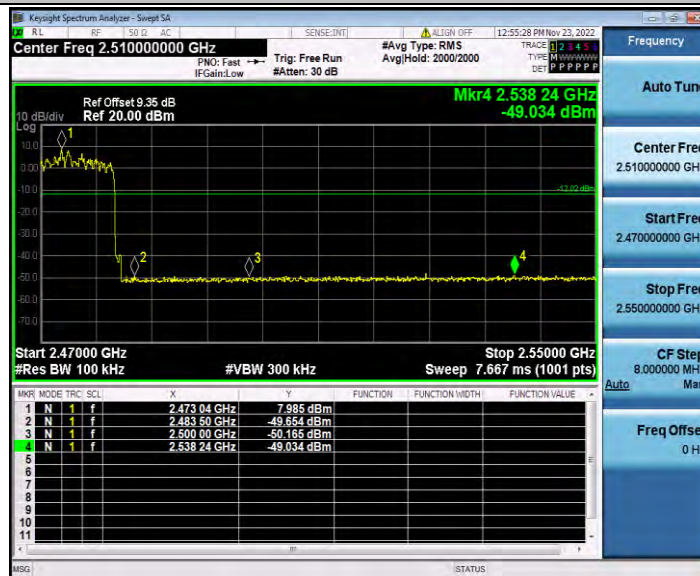
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

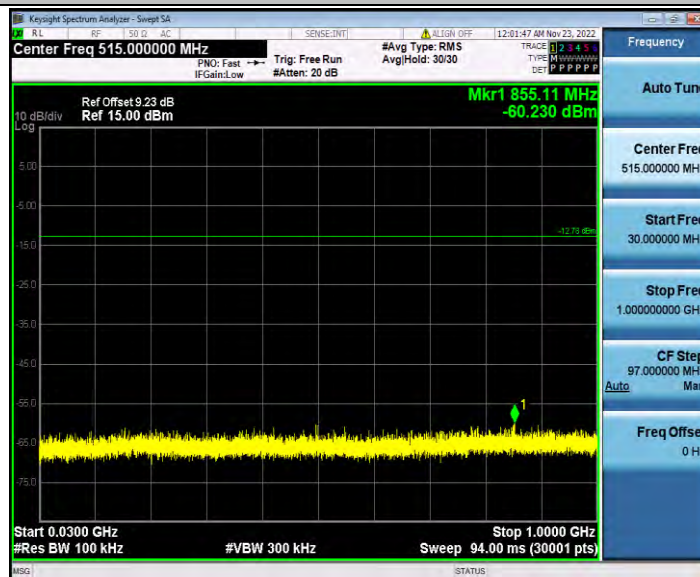
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	7.22	7.22	---	PASS
			30~1000	7.22	-60.23	≤-12.78	PASS
			1000~26500	7.22	-47.2	≤-12.78	PASS
		2441	Reference	8.38	8.38	---	PASS
			30~1000	8.38	-59.12	≤-11.62	PASS
			1000~26500	8.38	-47.28	≤-11.62	PASS
		2480	Reference	6.45	6.45	---	PASS
			30~1000	6.45	-59.95	≤-13.55	PASS
			1000~26500	6.45	-45.63	≤-13.55	PASS
2DH1	Ant1	2402	Reference	6.20	6.20	---	PASS
			30~1000	6.20	-60.04	≤-13.8	PASS
			1000~26500	6.20	-47.48	≤-13.8	PASS
		2441	Reference	7.59	7.59	---	PASS
			30~1000	7.59	-60.38	≤-12.41	PASS
			1000~26500	7.59	-47.28	≤-12.41	PASS
		2480	Reference	5.24	5.24	---	PASS
			30~1000	5.24	-60.41	≤-14.76	PASS
			1000~26500	5.24	-46.08	≤-14.76	PASS
3DH1	Ant1	2402	Reference	5.89	5.89	---	PASS
			30~1000	5.89	-60.38	≤-14.11	PASS
			1000~26500	5.89	-47.97	≤-14.11	PASS
		2441	Reference	7.23	7.23	---	PASS
			30~1000	7.23	-59.28	≤-12.77	PASS
			1000~26500	7.23	-48.18	≤-12.77	PASS
		2480	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-60.45	≤-14.18	PASS
			1000~26500	5.82	-47.43	≤-14.18	PASS

Test Graphs

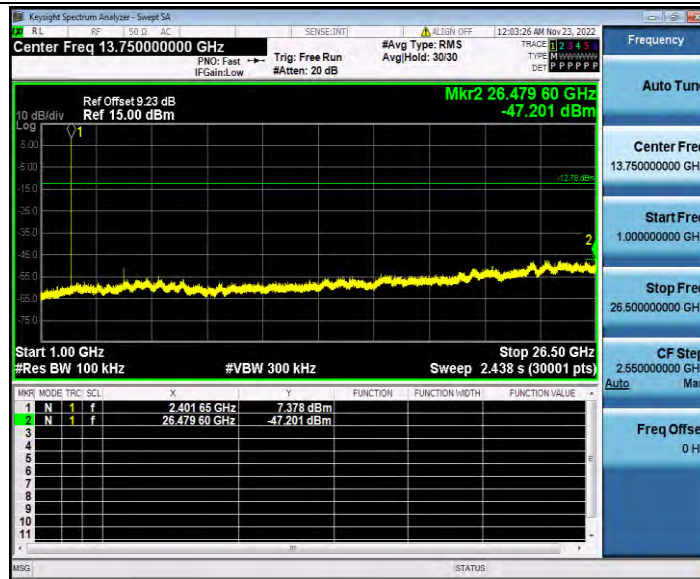
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



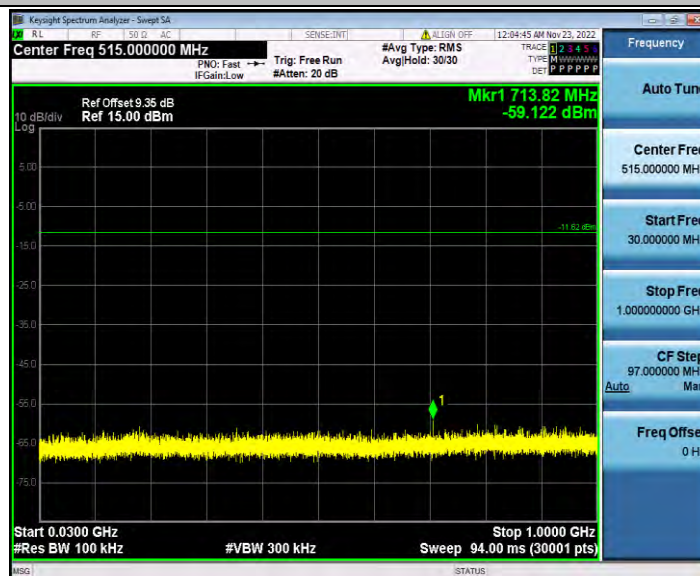
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



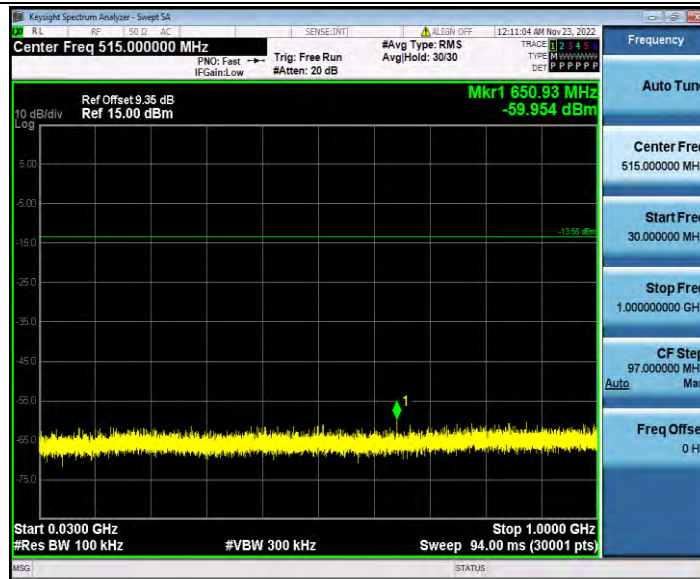
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



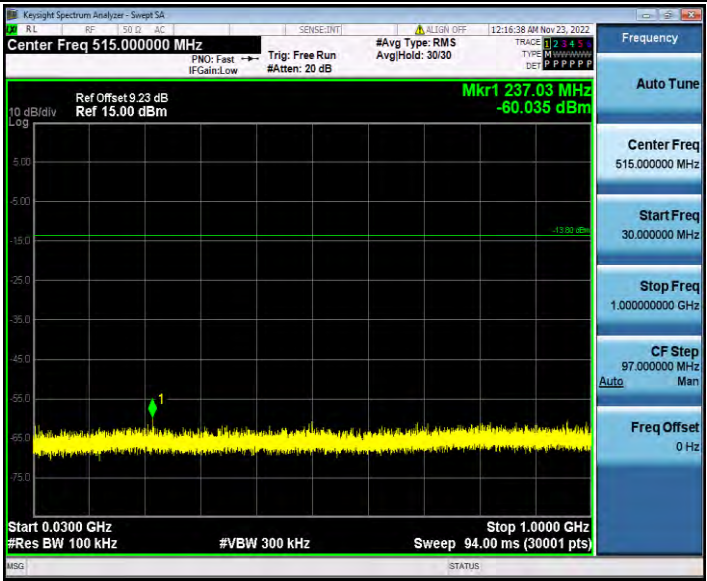
DH1_Ant1_2480_1000~26500



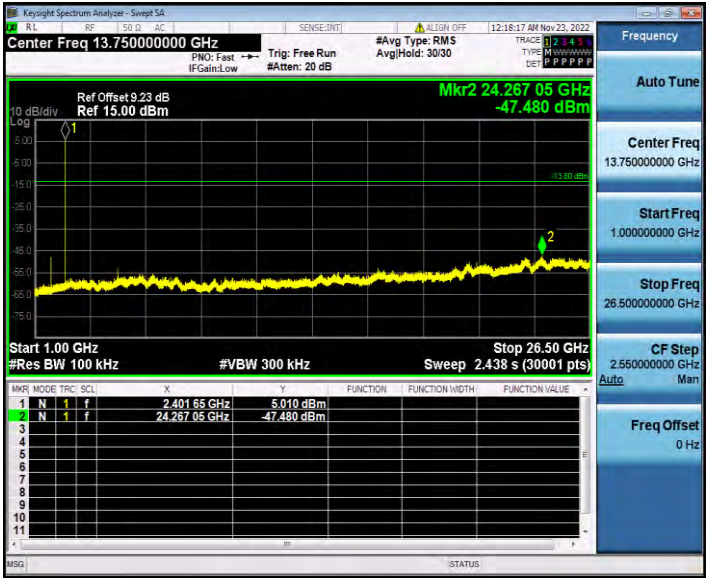
2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



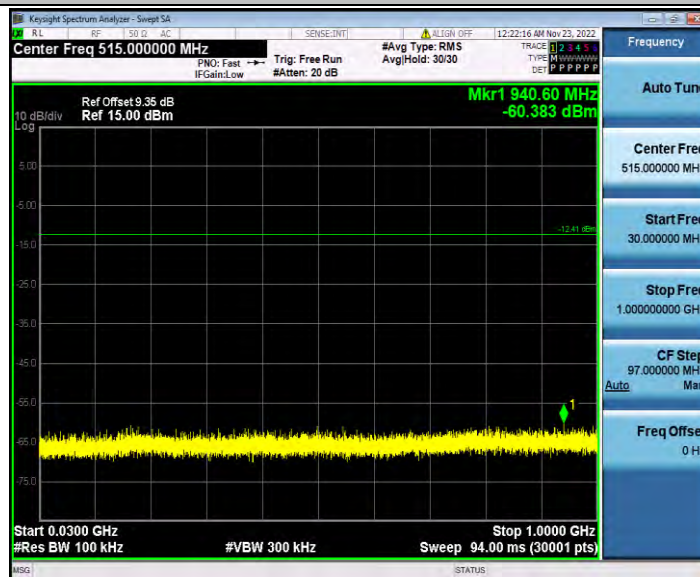
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



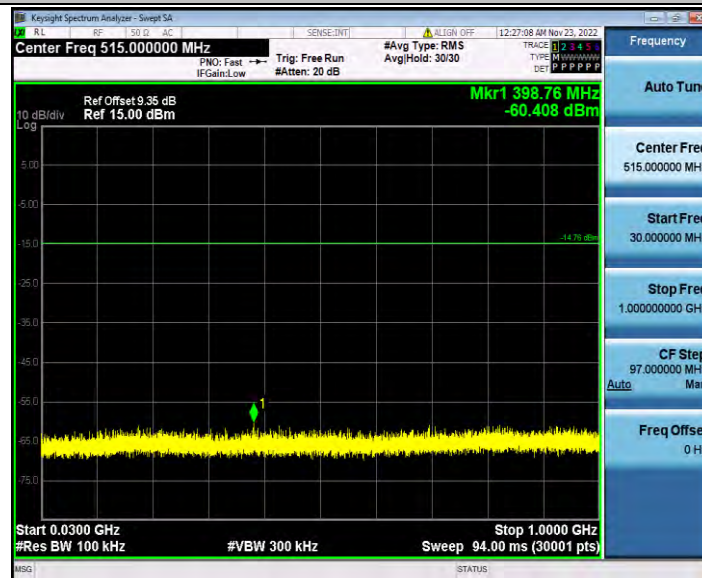
2DH1_Ant1_2441_1000~26500



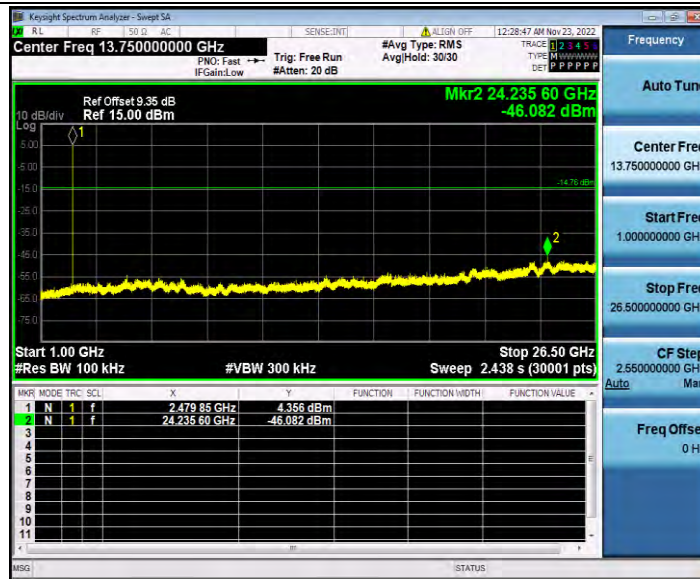
2DH1_Ant1_2480_0~Reference



2DH1_Ant1_2480_30~1000



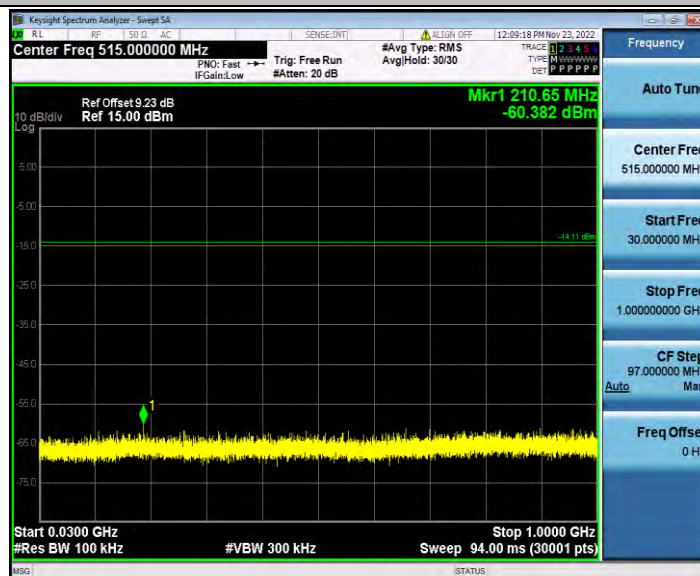
2DH1_Ant1_2480_1000~26500



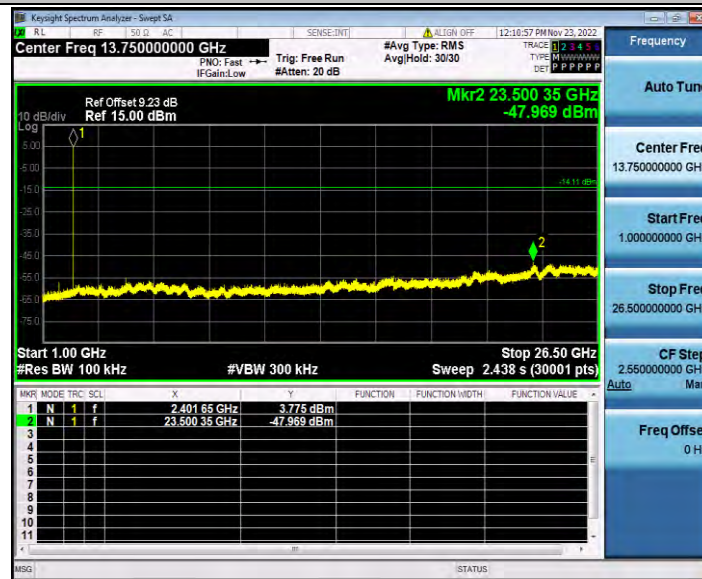
3DH1_Ant1_2402_0~Reference



3DH1_Ant1_2402_30~1000



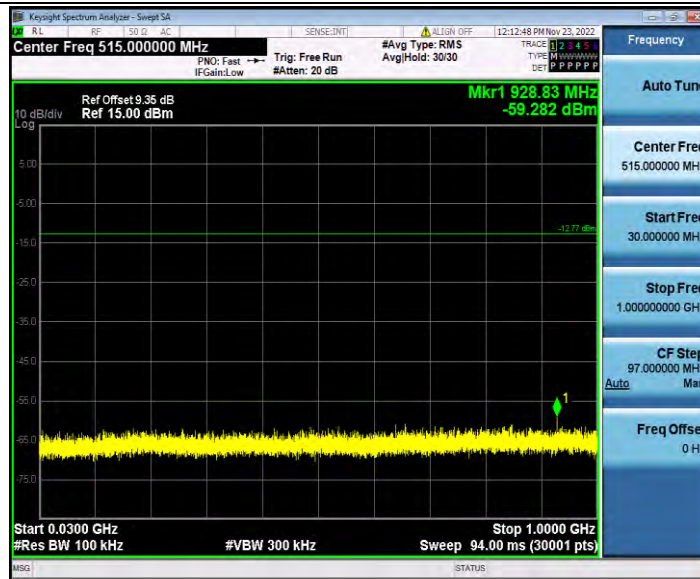
3DH1_Ant1_2402_1000~26500



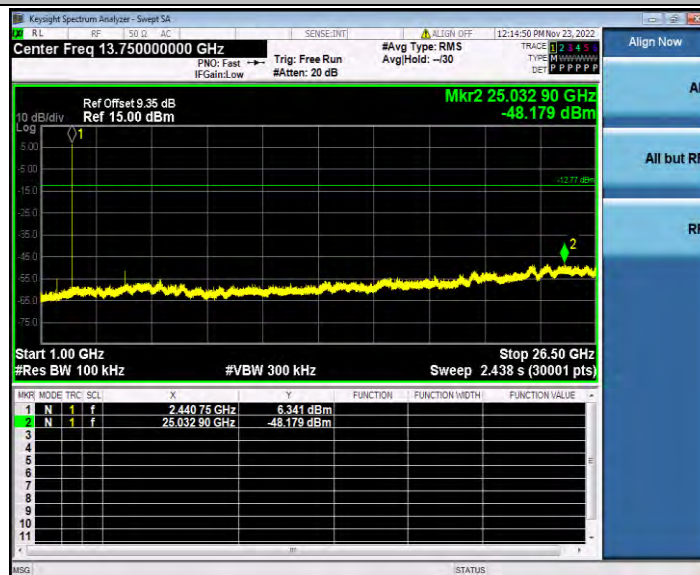
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



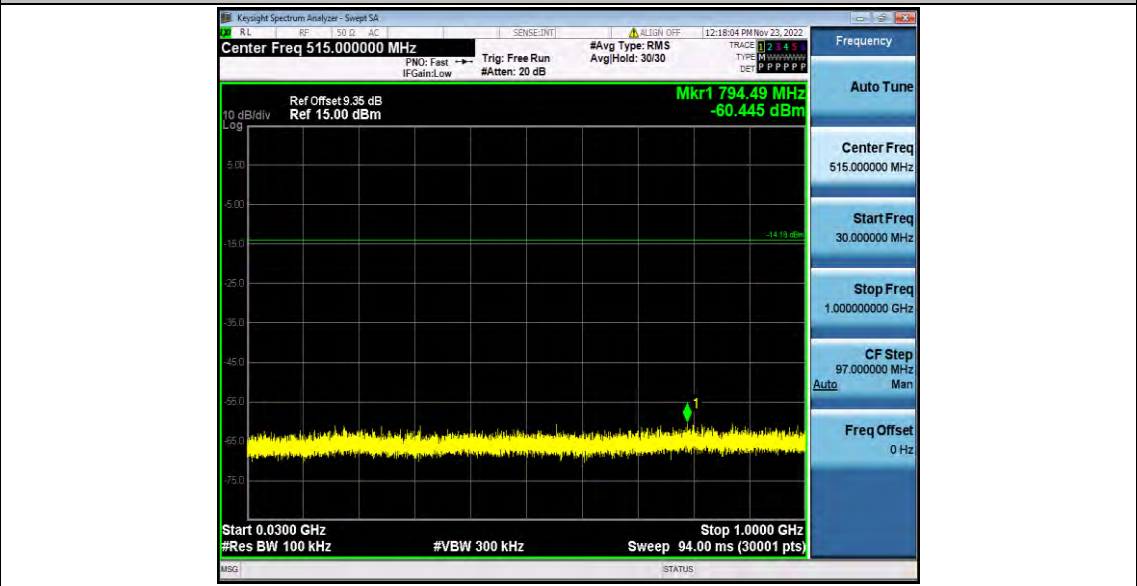
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

