

Case No. : GTS20211218008-1-14	
Ambient Condition: 25 °C, 45 %RH,	
Test Date: 2022.6.27	Test Engineer: Jenny zeng

Appendix A.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.951	2401.553	2402.504	---	---
		2441	0.873	2440.556	2441.429	---	---
		2480	0.873	2479.559	2480.432	---	---
2DH1	Ant1	2402	1.275	2401.361	2402.636	---	---
		2441	1.263	2440.364	2441.627	---	---
		2480	1.293	2479.343	2480.636	---	---
3DH1	Ant1	2402	1.242	2401.382	2402.624	---	---
		2441	1.260	2440.367	2441.627	---	---
		2480	1.254	2479.376	2480.630	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2D11_Ant1_2402



2D11_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]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.82145	2401.599	2402.421	---	---
		2441	0.82350	2440.595	2441.419	---	---
		2480	0.84262	2479.573	2480.416	---	---
2DH1	Ant1	2402	1.1816	2401.405	2402.586	---	---
		2441	1.1698	2440.407	2441.577	---	---
		2480	1.2134	2479.387	2480.600	---	---
3DH1	Ant1	2402	1.1703	2401.428	2402.599	---	---
		2441	1.1614	2440.432	2441.593	---	---
		2480	1.1907	2479.416	2480.606	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



2DH1_Ant1_2480



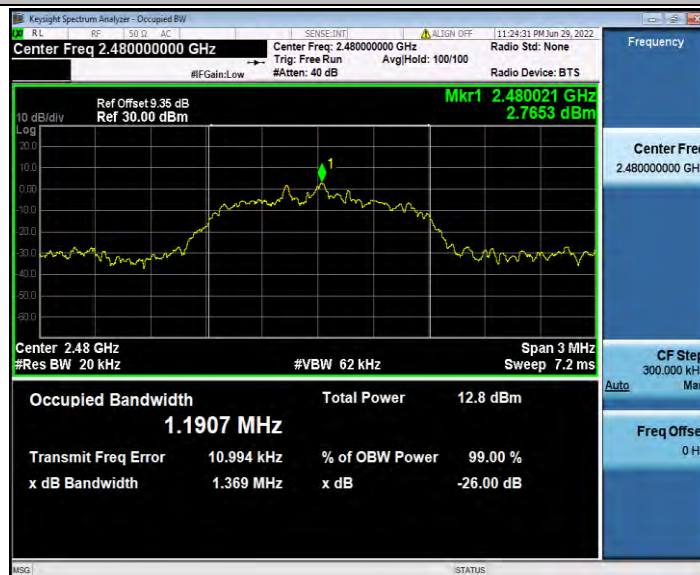
3DH1_Ant1_2402



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	9.05	≤30.00	PASS
		2441	8.68	≤30.00	PASS
		2480	8.60	≤30.00	PASS
2DH1	Ant1	2402	9.52	≤20.97	PASS
		2441	9.84	≤20.97	PASS
		2480	7.23	≤20.97	PASS
3DH1	Ant1	2402	9.86	≤20.97	PASS
		2441	9.14	≤20.97	PASS
		2480	7.25	≤20.97	PASS

Appendix A.4: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.00	≥ 0.951	PASS
		Hop_2441	1.002	≥ 0.951	PASS
		Hop_2480	1.326	≥ 0.951	PASS
2DH1	Ant1	Hop_2402	1.328	≥ 1.293	PASS
		Hop_2441	0.998	≥ 0.862	PASS
		Hop_2480	0.996	≥ 0.862	PASS
3DH1	Ant1	Hop_2402	0.98	≥ 0.840	PASS
		Hop_2441	0.996	≥ 0.840	PASS
		Hop_2480	0.996	≥ 0.840	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



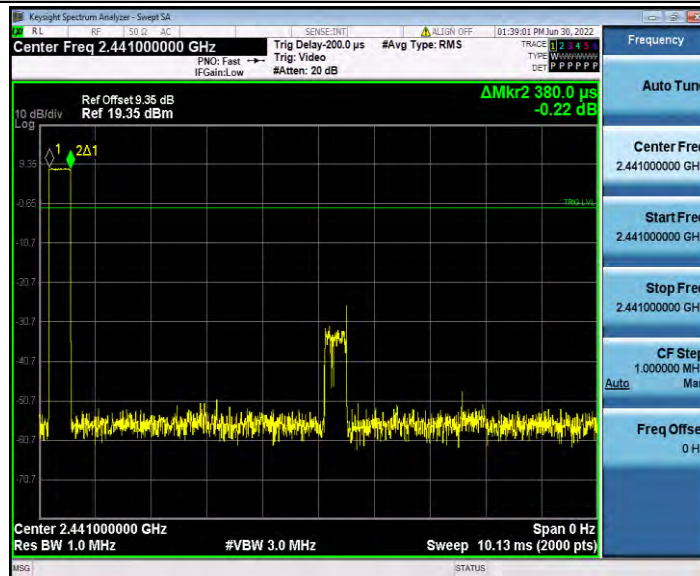
Appendix A.5: Time of occupancy

Test Result

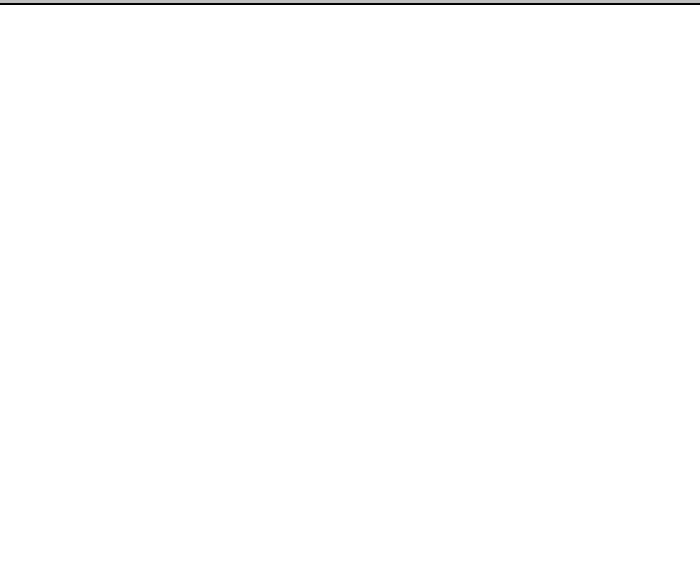
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.65	130	0.215	≤0.4	PASS
DH5	Ant1	Hop	2.90	100	0.29	≤0.4	PASS
2DH1	Ant1	Hop	0.39	330	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.64	120	0.197	≤0.4	PASS
2DH5	Ant1	Hop	2.89	120	0.347	≤0.4	PASS
3DH1	Ant1	Hop	0.36	320	0.116	≤0.4	PASS
3DH3	Ant1	Hop	1.63	170	0.278	≤0.4	PASS
3DH5	Ant1	Hop	2.90	100	0.29	≤0.4	PASS

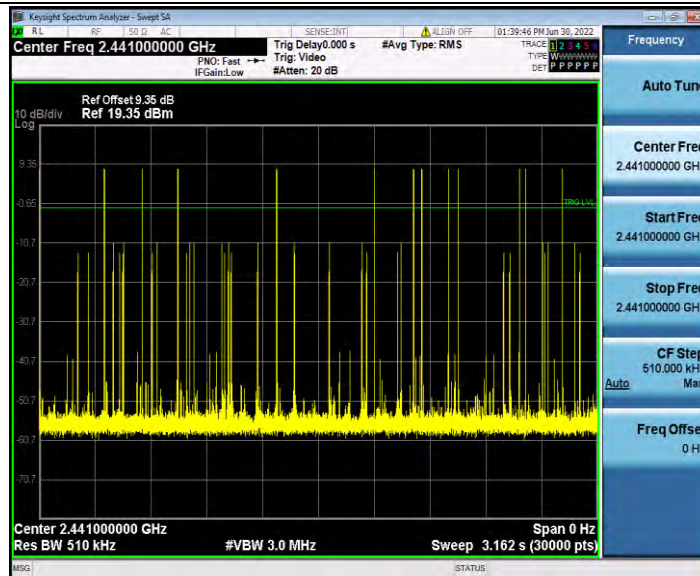
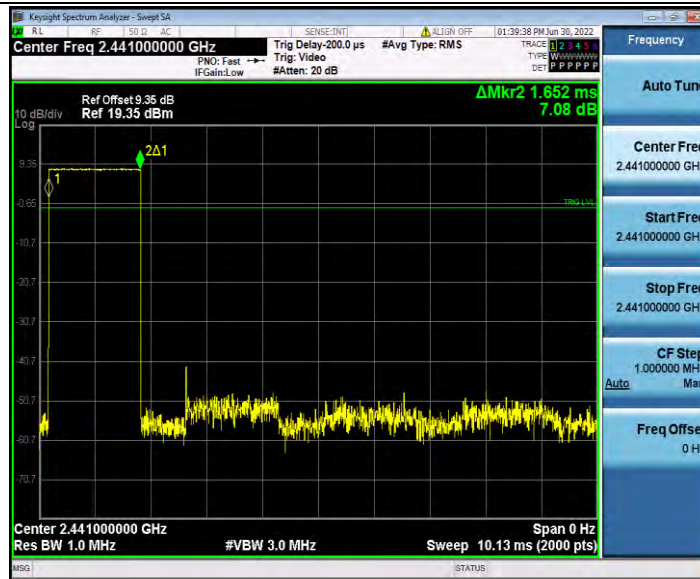
Test Graphs

DH1_Ant1_Hop

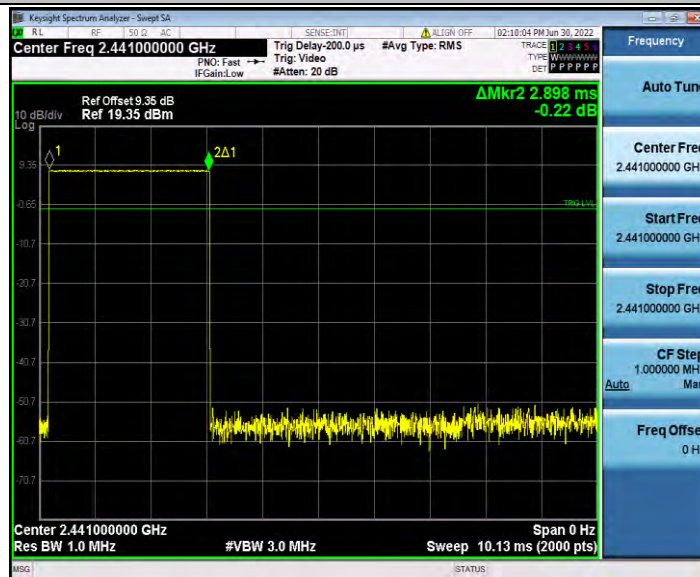


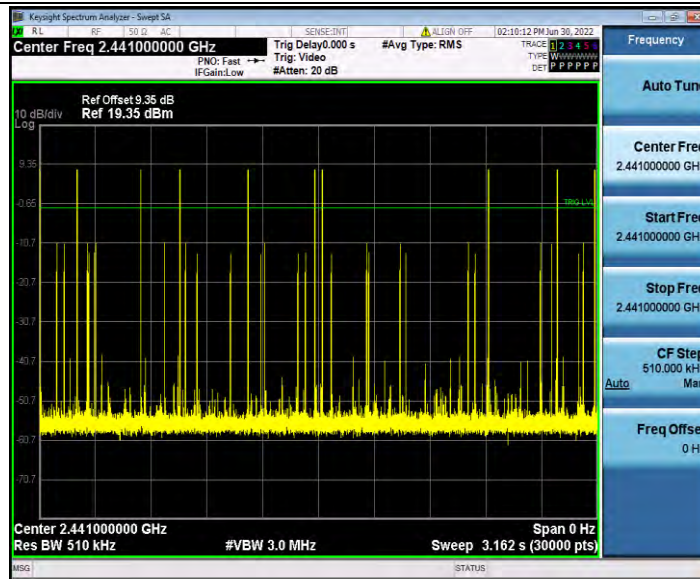
DH3_Ant1_Hop



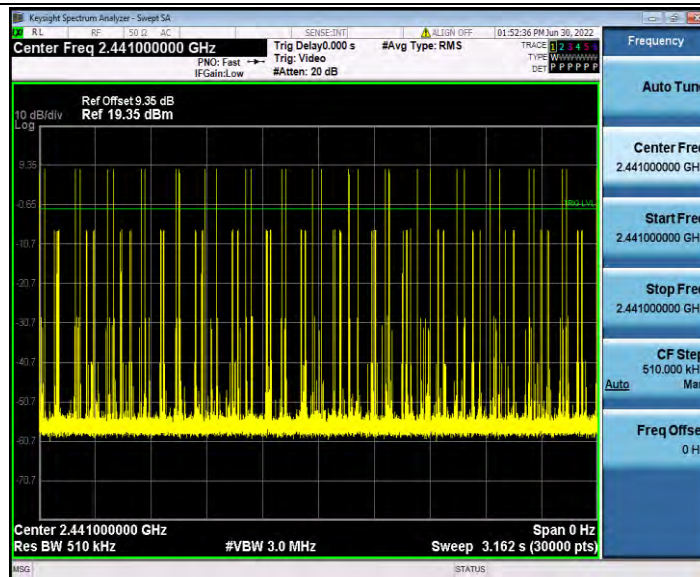
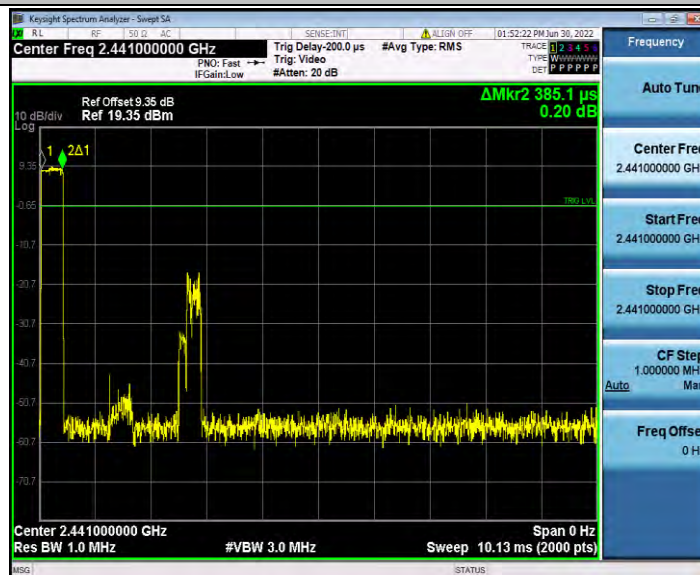


DH5_Ant1_Hop

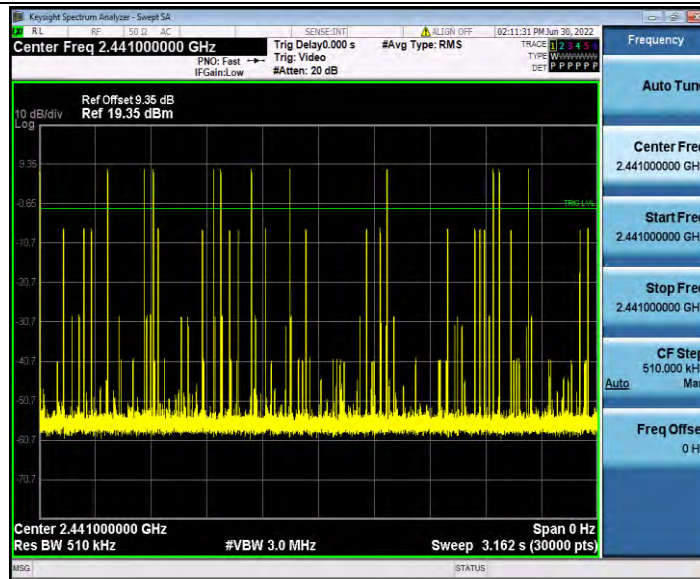




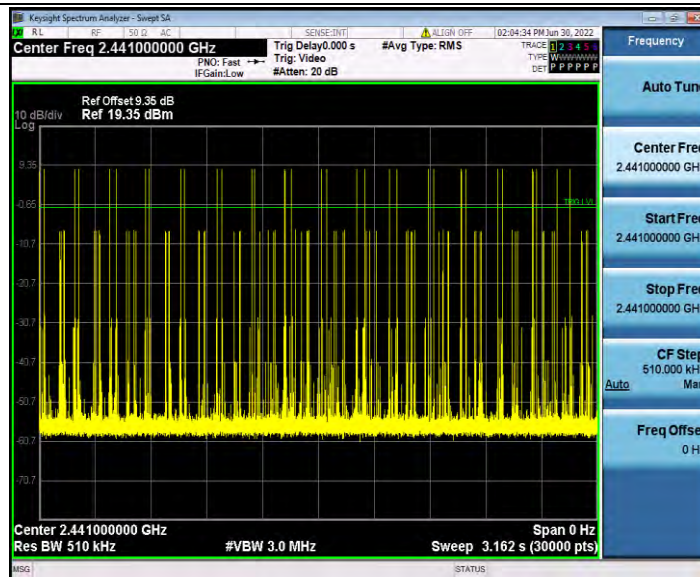
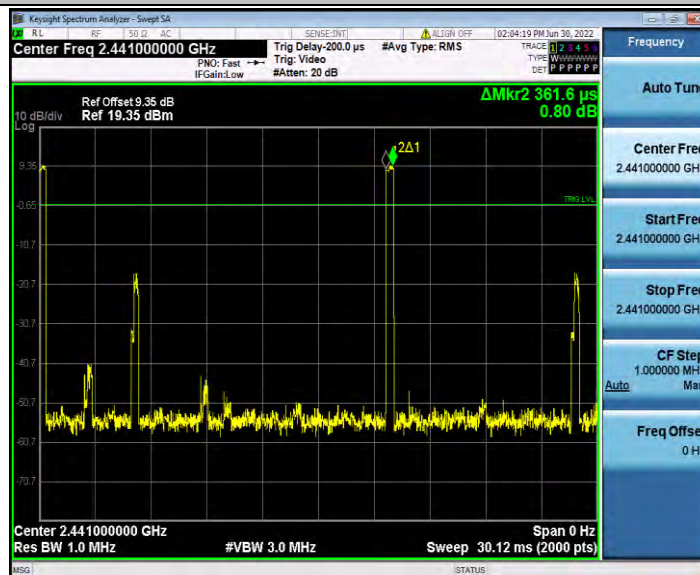
2DH1_Ant1_Hop



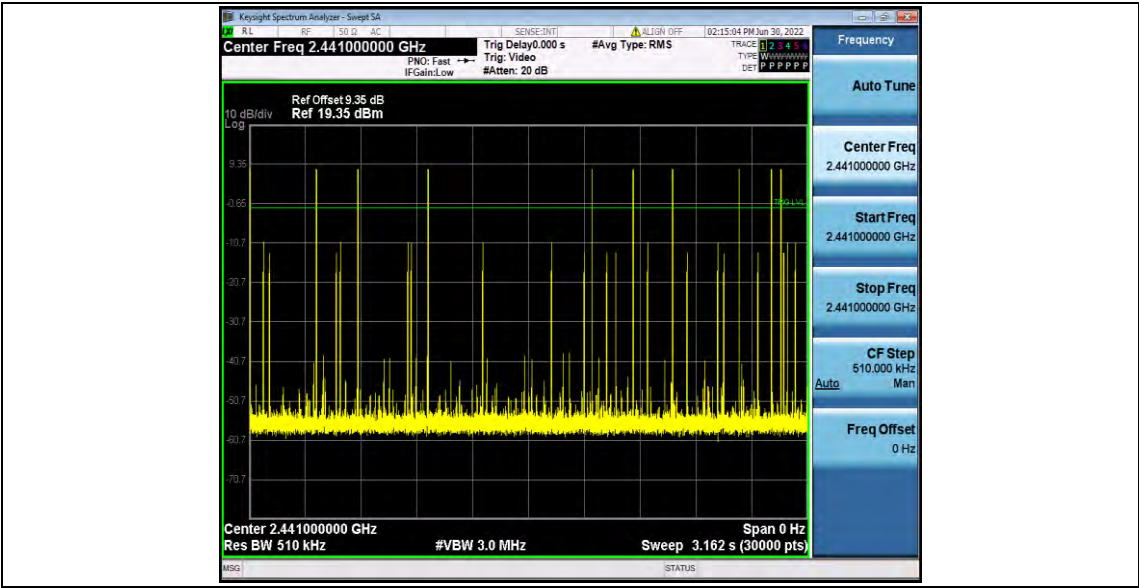
2DH3_Ant1_Hop



3DH1_Ant1_Hop



3DH3_Ant1_Hop



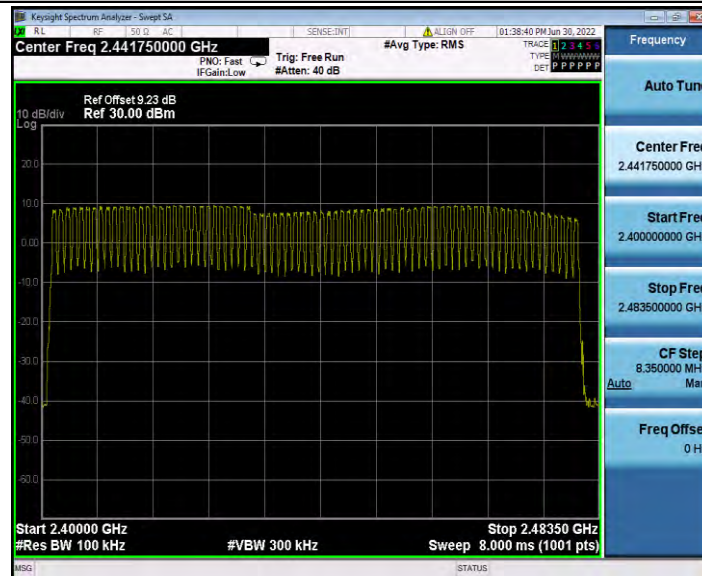
Appendix A.6: Number of hopping channels

Test Result

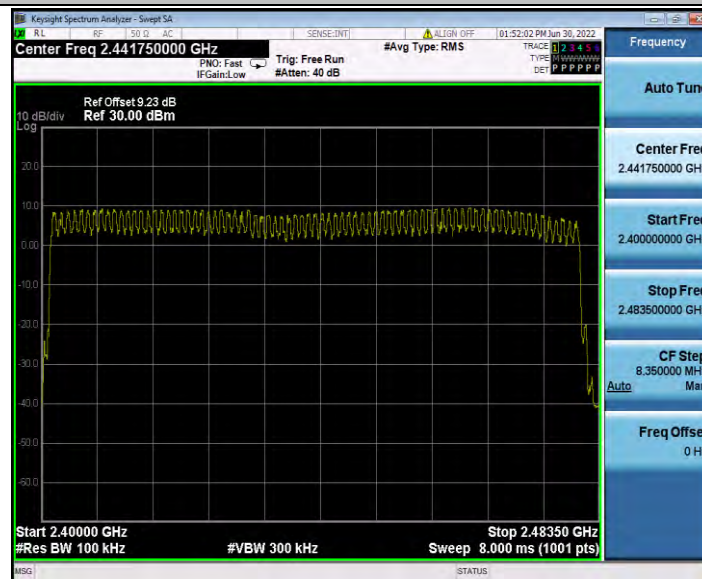
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

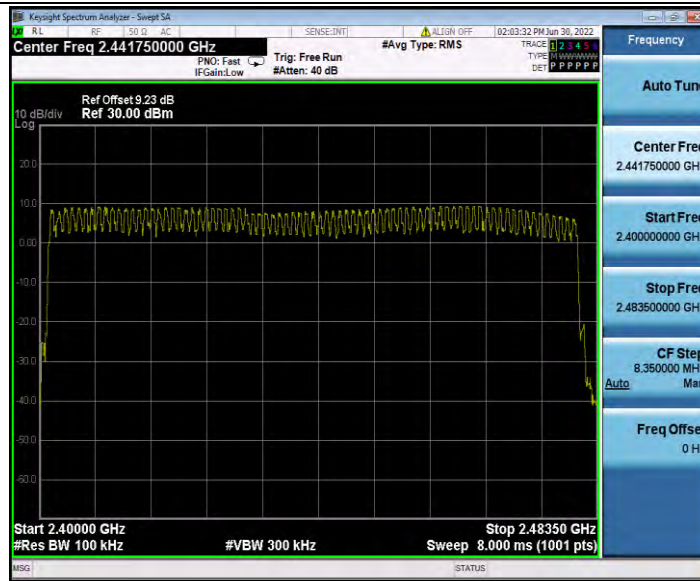
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



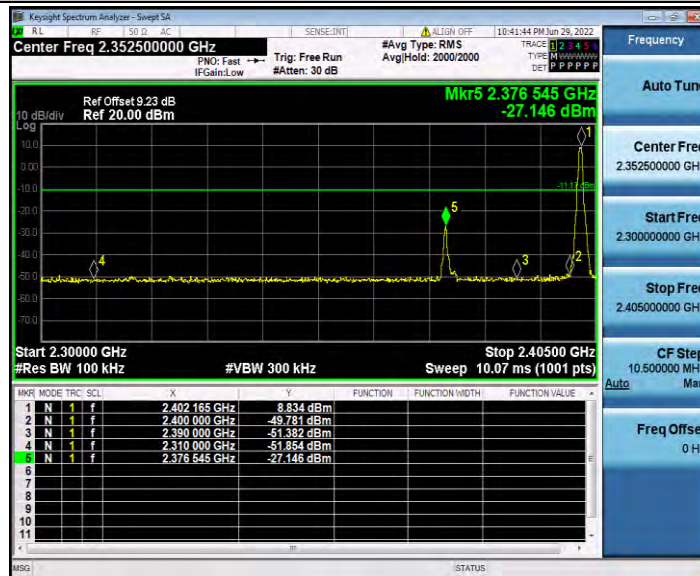
Appendix A.7: Band edge measurements

Test Result

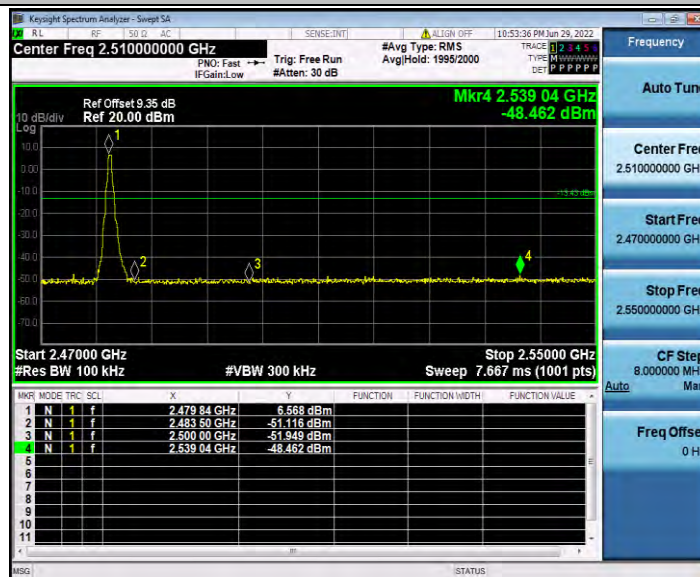
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	8.83	-27.15	≤-11.17	PASS
		High	2480	6.57	-48.46	≤-13.43	PASS
		Low	Hop_2402	8.65	-36.66	≤-11.35	PASS
		High	Hop_2480	8.57	-48.41	≤-11.43	PASS
2DH1	Ant1	Low	2402	8.91	-33.87	≤-11.09	PASS
		High	2480	6.48	-41.17	≤-13.52	PASS
		Low	Hop_2402	8.50	-49.45	≤-11.5	PASS
		High	Hop_2480	8.61	-48.41	≤-11.39	PASS
3DH1	Ant1	Low	2402	9.01	-33.57	≤-10.99	PASS
		High	2480	6.62	-40.71	≤-13.39	PASS
		Low	Hop_2402	8.73	-49.24	≤-11.27	PASS
		High	Hop_2480	8.21	-48.82	≤-11.79	PASS

Test Graphs

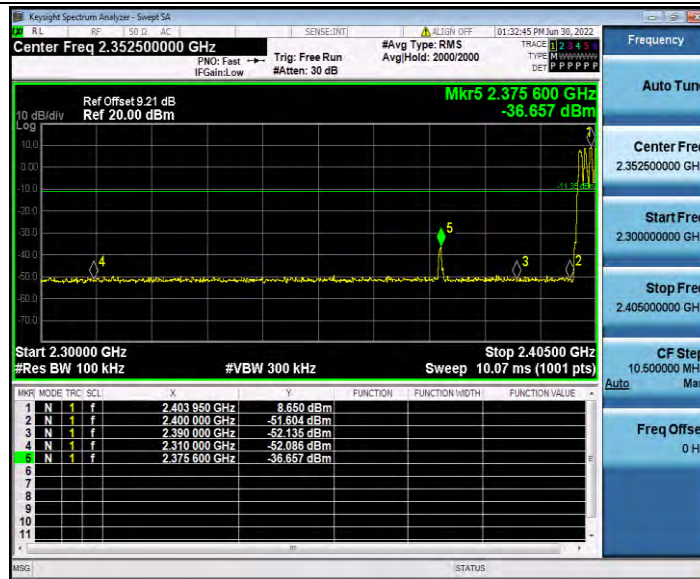
DH1_Ant1_Low_2402



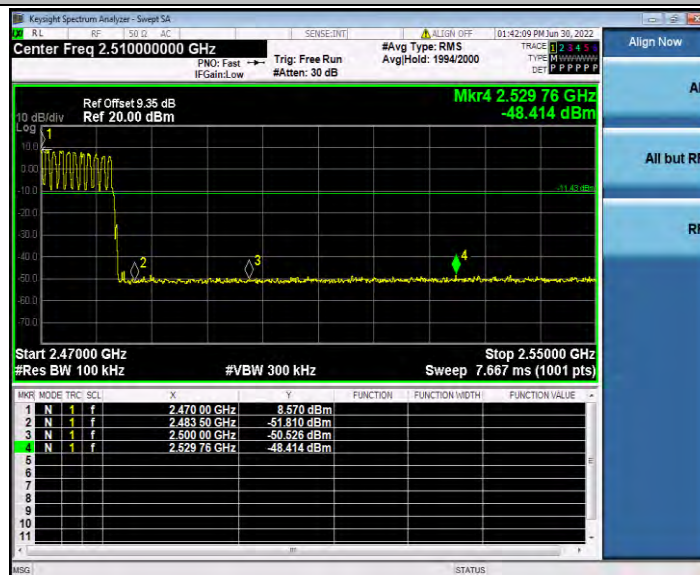
DH1_Ant1_High_2480



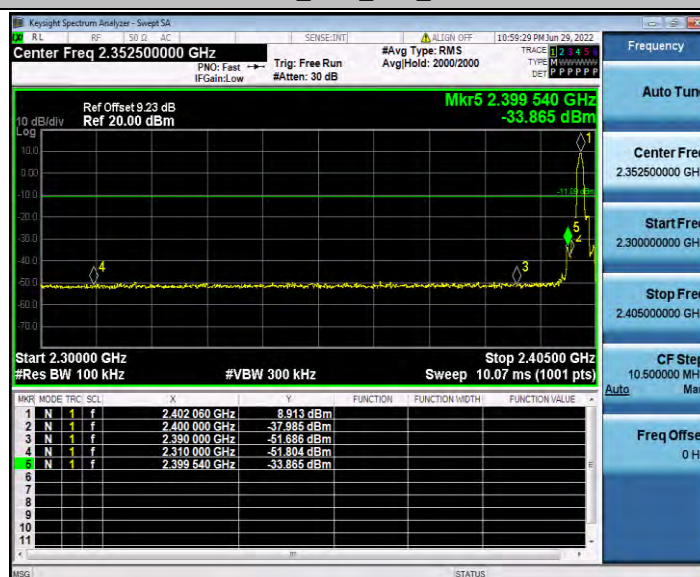
DH1_Ant1_Low_Hop_2402



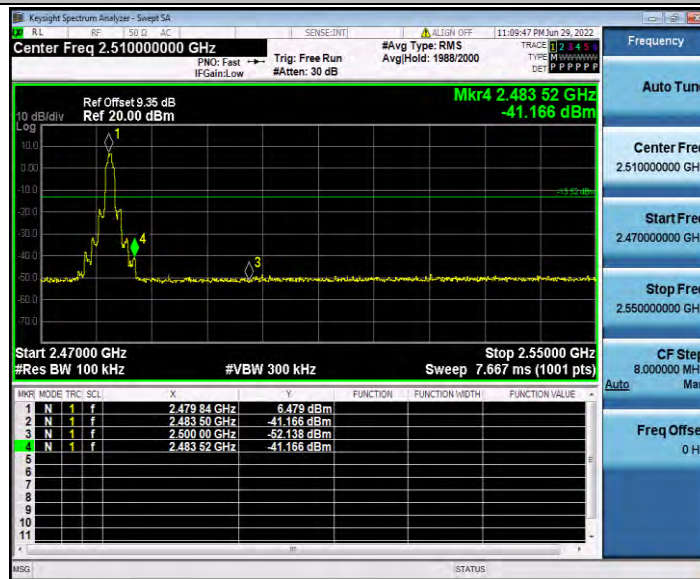
DH1_Ant1_High_Hop_2480



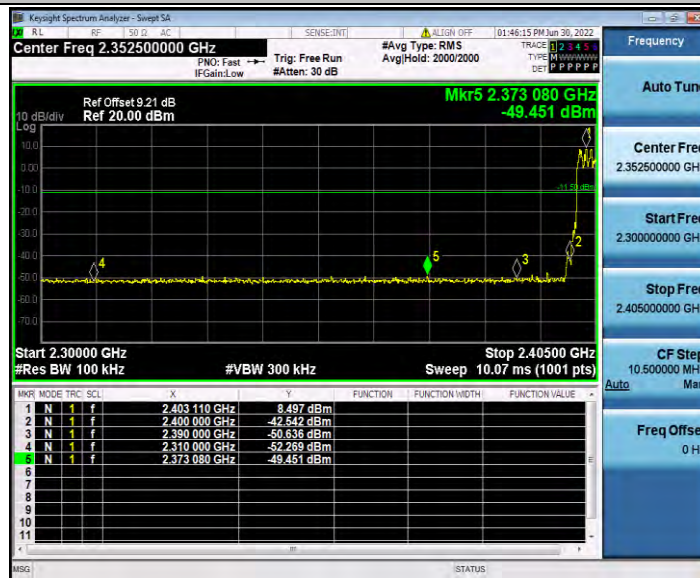
2DH1_Ant1_Low_2402



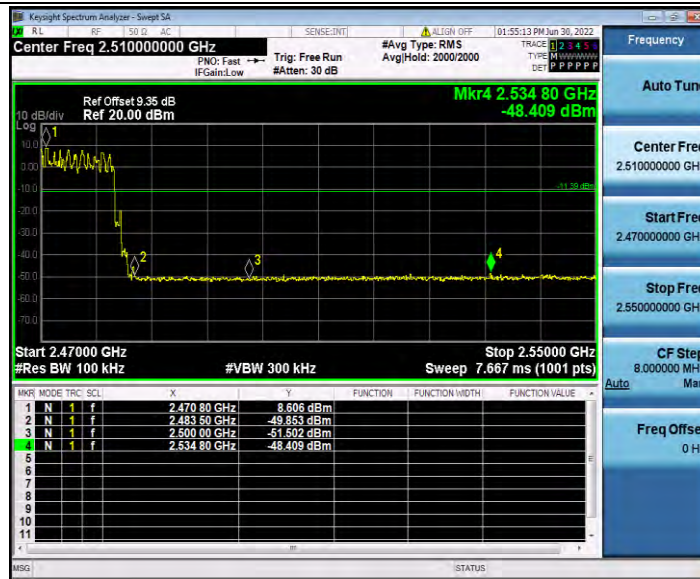
2DH1_Ant1_High_2480



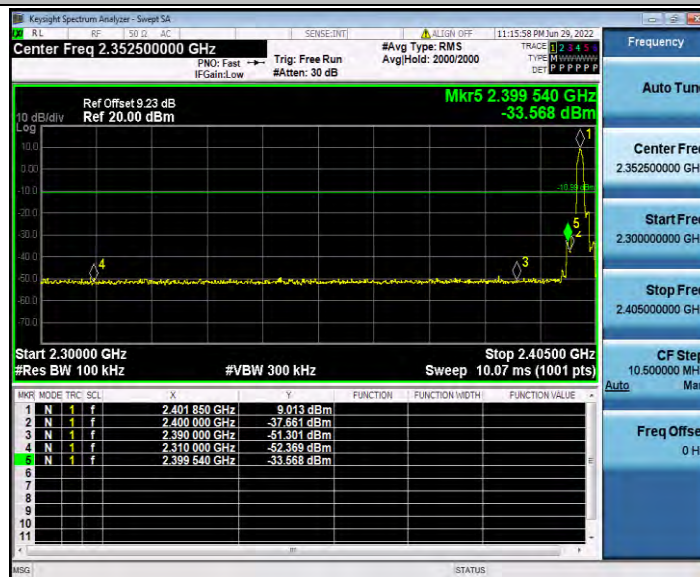
2DH1_Ant1_Low_Hop_2402



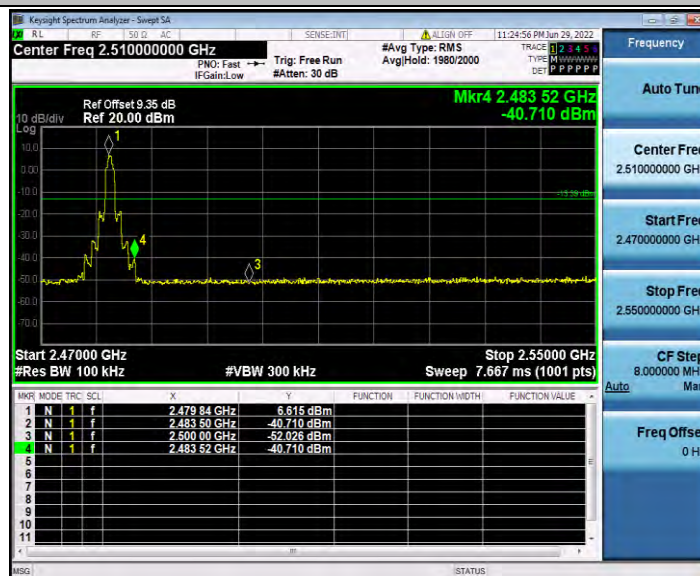
2DH1_Ant1_High_Hop_2480



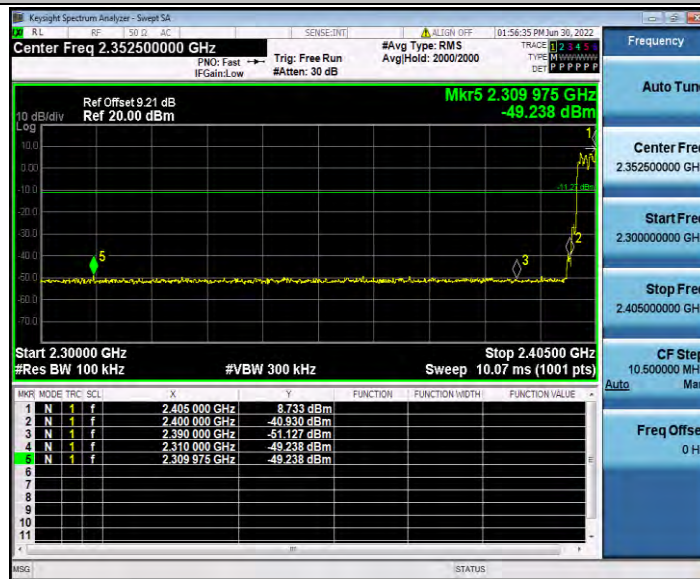
3DH1_Ant1_Low_2402



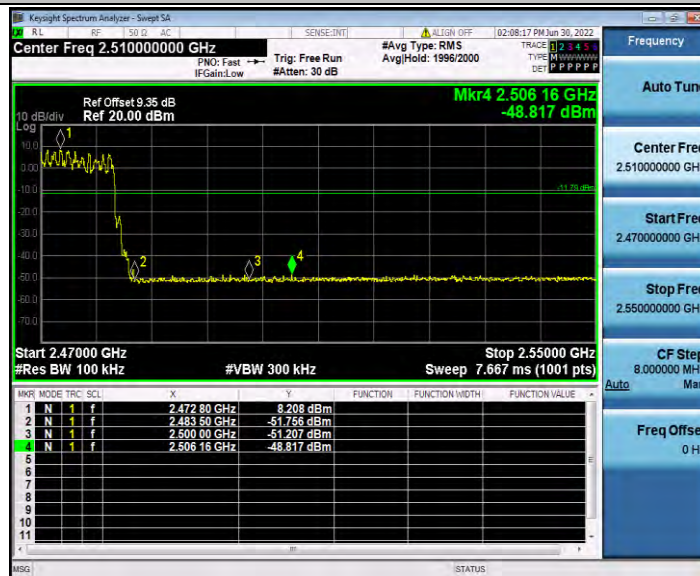
3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

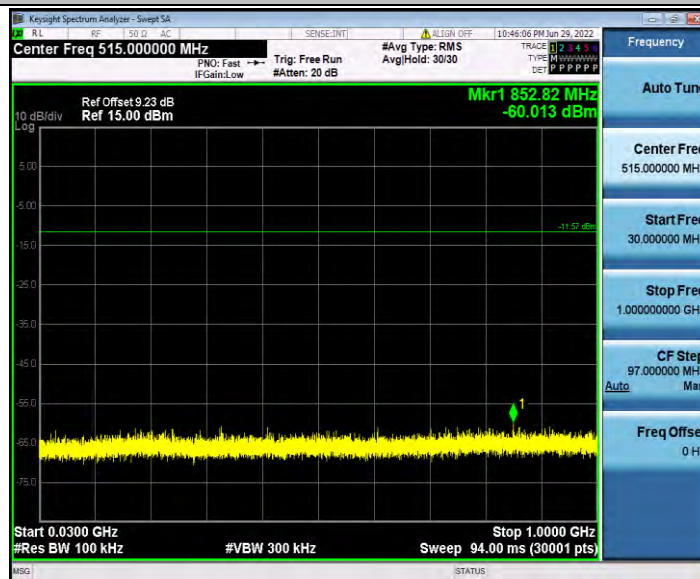
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	8.43	8.43	---	PASS
			30~1000	8.43	-60.01	≤-11.57	PASS
			1000~26500	8.43	-48.22	≤-11.57	PASS
		2441	Reference	8.05	8.05	---	PASS
			30~1000	8.05	-60.44	≤-11.95	PASS
			1000~26500	8.05	-47.49	≤-11.95	PASS
		2480	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-54.42	≤-13.76	PASS
			1000~26500	6.24	-36.22	≤-13.76	PASS
2DH1	Ant1	2402	Reference	8.10	8.10	---	PASS
			30~1000	8.10	-56.31	≤-11.9	PASS
			1000~26500	8.10	-47.81	≤-11.9	PASS
		2441	Reference	7.48	7.48	---	PASS
			30~1000	7.48	-49.46	≤-12.52	PASS
			1000~26500	7.48	-47.31	≤-12.52	PASS
		2480	Reference	6.33	6.33	---	PASS
			30~1000	6.33	-60.16	≤-13.67	PASS
			1000~26500	6.33	-47.41	≤-13.67	PASS
3DH1	Ant1	2402	Reference	8.67	8.67	---	PASS
			30~1000	8.67	-60.27	≤-11.33	PASS
			1000~26500	8.67	-47.56	≤-11.33	PASS
		2441	Reference	8.37	8.37	---	PASS
			30~1000	8.37	-60.07	≤-11.63	PASS
			1000~26500	8.37	-48.14	≤-11.63	PASS
		2480	Reference	6.14	6.14	---	PASS
			30~1000	6.14	-43.86	≤-13.86	PASS
			1000~26500	6.14	-47.83	≤-13.86	PASS

Test Graphs

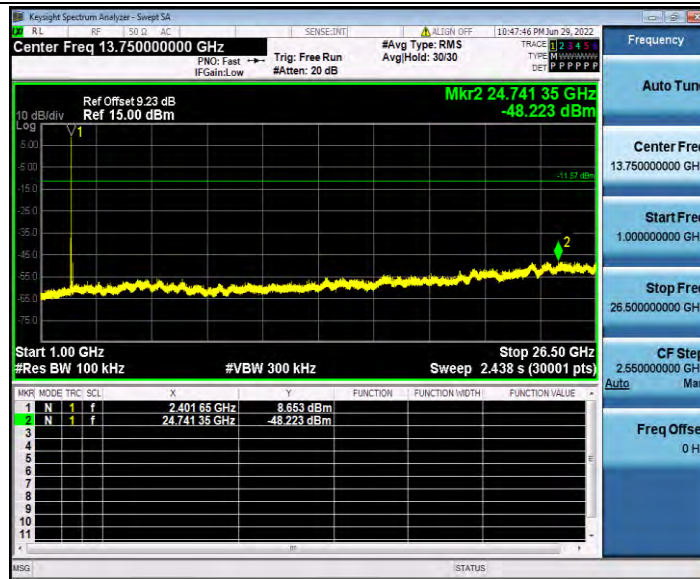
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



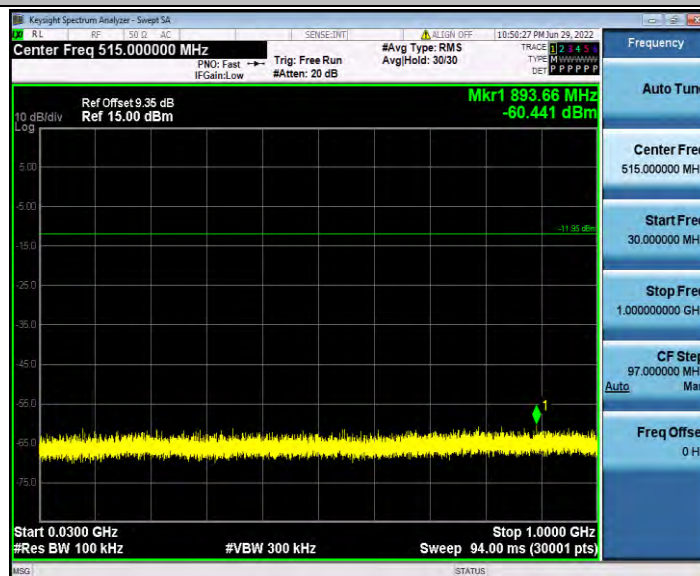
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



DH1_Ant1_2441_30~1000



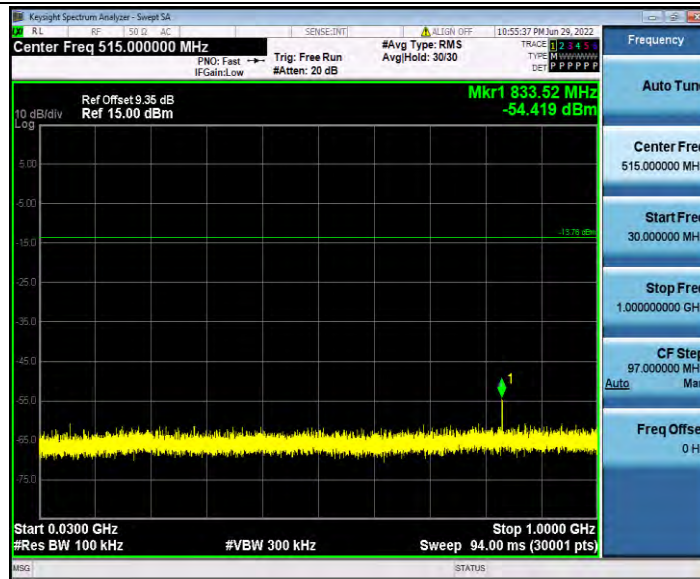
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



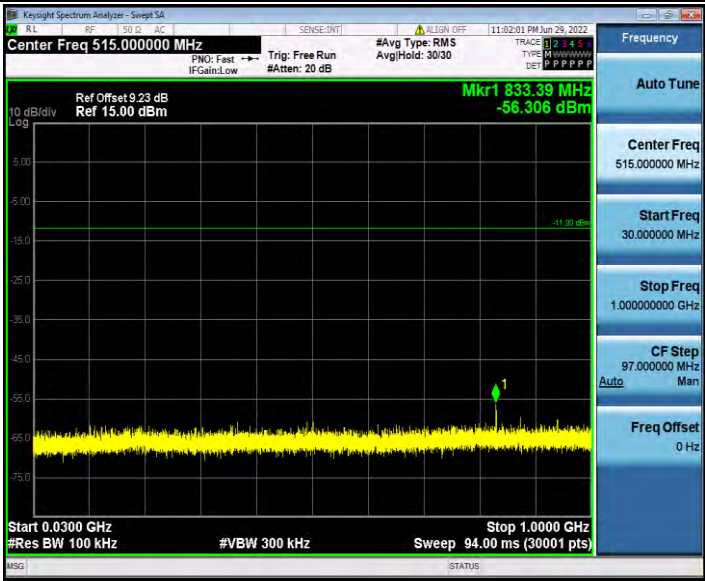
DH1_Ant1_2480_1000~26500



2DH1_Ant1_2402_0~Reference



2DH1_Ant1_2402_30~1000



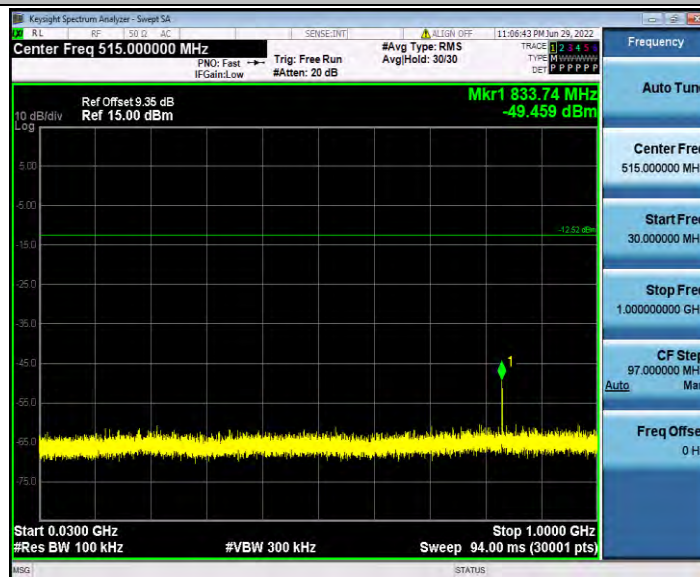
2DH1_Ant1_2402_1000~26500



2DH1_Ant1_2441_0~Reference



2DH1_Ant1_2441_30~1000



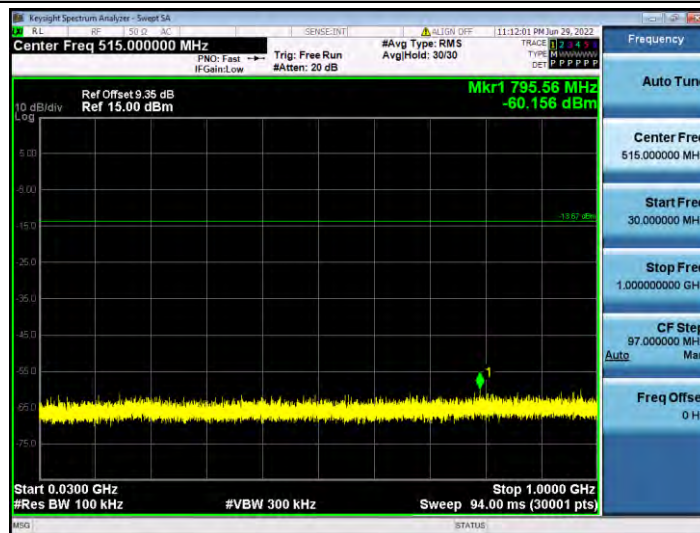
2DH1_Ant1_2441_1000~26500



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



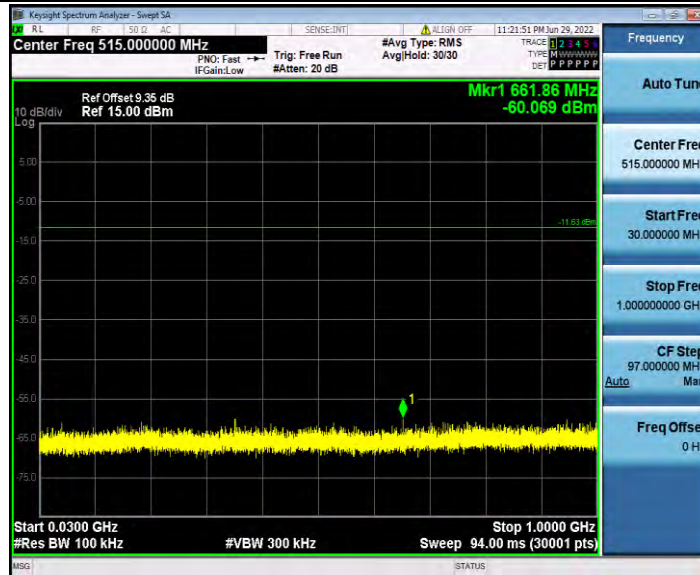
3DH1_Ant1_2402_1000~26500



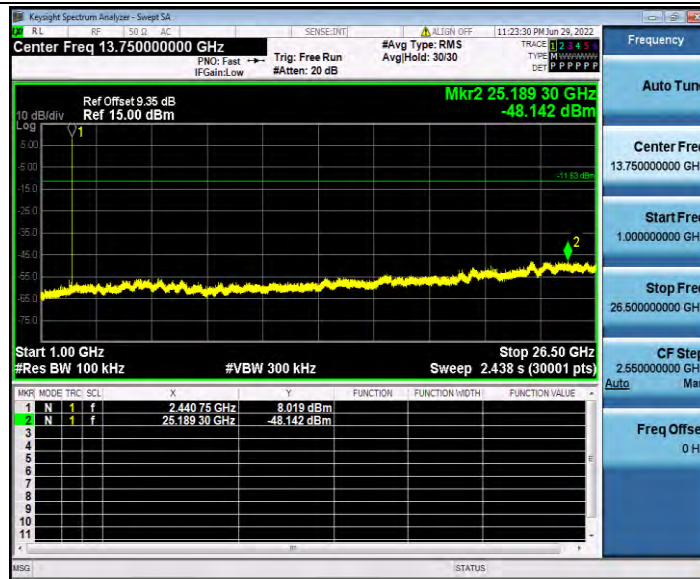
3DH1_Ant1_2441_0~Reference



3DH1_Ant1_2441_30~1000



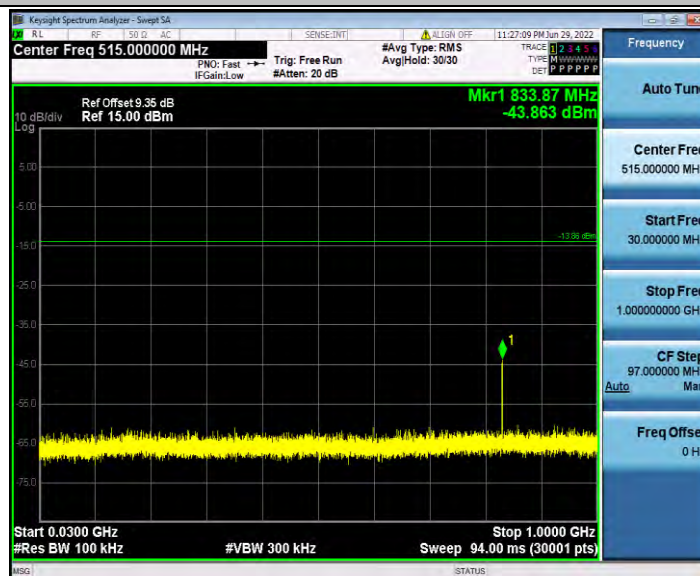
3DH1_Ant1_2441_1000~26500



3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500

