

Case No. : <u>GTS20221018005-1-8</u>
Ambient Condition: <u>25 °C, 45 %RH,</u>
Test Date: <u>2022.11.1</u> Test Engineer: <u>Jenny zeng</u>

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	0.969	2401.526	2402.495	---	---
		2441	1.035	2440.463	2441.498	---	---
		2480	0.969	2479.532	2480.501	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_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	0.90509	2401.548	2402.453	---	---
		2441	0.92264	2440.543	2441.465	---	---
		2480	0.91279	2479.551	2480.464	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



Frequency

Center Freq
2.48000000 GHz

CF Step
300.000 kHz
Auto Man

Freq Offset
0 Hz

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	-2.54	≤20.97	PASS
		2441	-1.28	≤20.97	PASS
		2480	-1.23	≤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	≥ 0.690	PASS
		Hop_2441	0.996	≥ 0.690	PASS
		Hop_2480	1.002	≥ 0.690	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



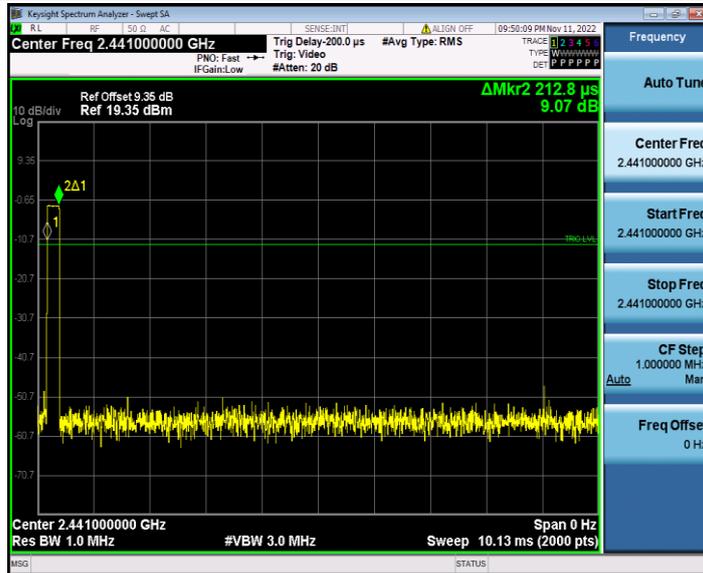
Appendix A.5: Time of occupancy

Test Result

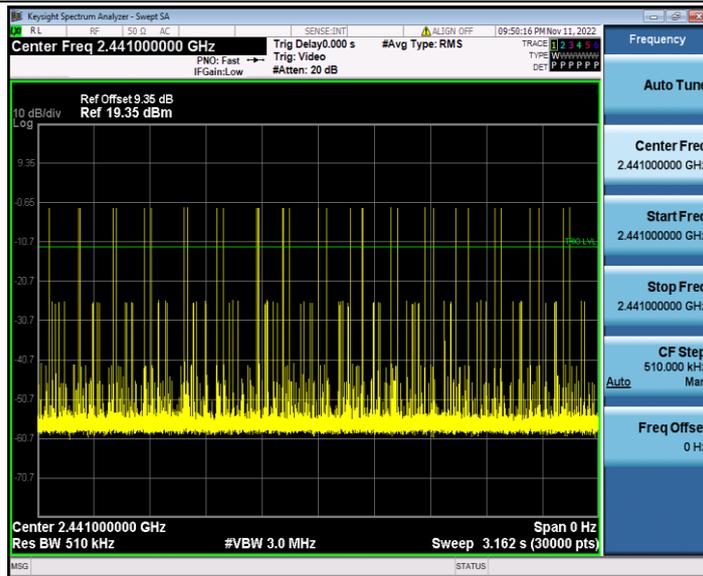
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.21	310	0.066	≤0.4	PASS
DH3	Ant1	Hop	0.22	140	0.031	≤0.4	PASS
DH5	Ant1	Hop	0.22	140	0.031	≤0.4	PASS

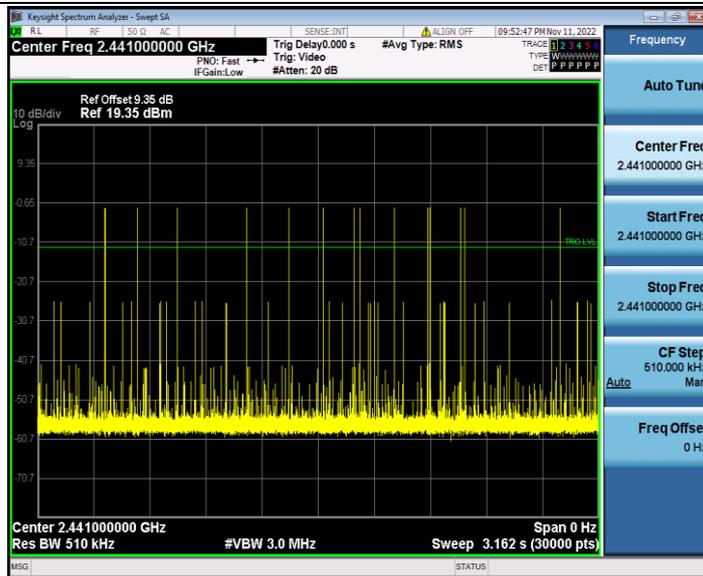
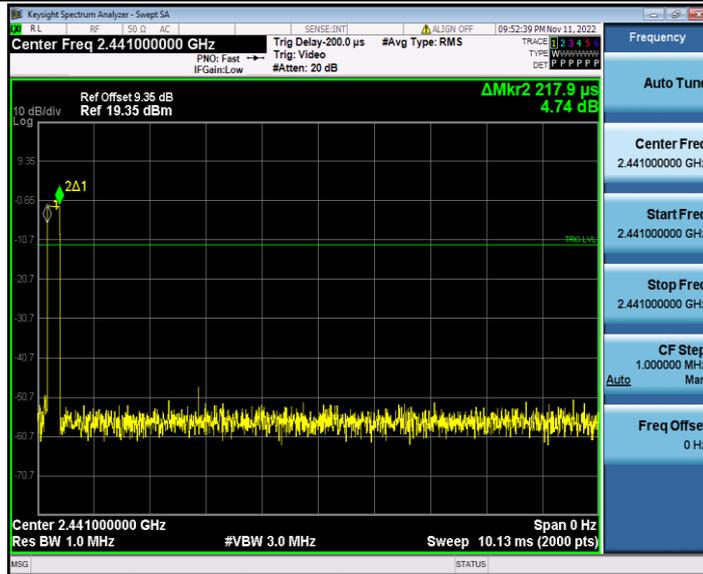
Test Graphs

DH1_Ant1_Hop

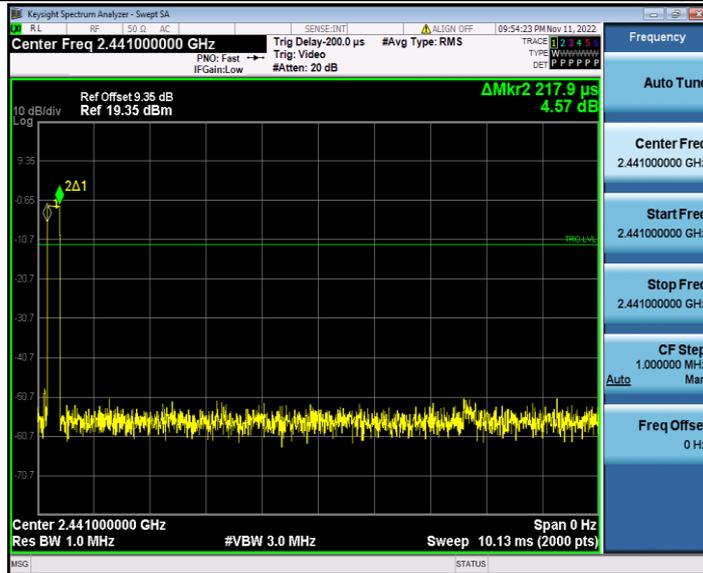


DH3_Ant1_Hop





DH5_Ant1_Hop

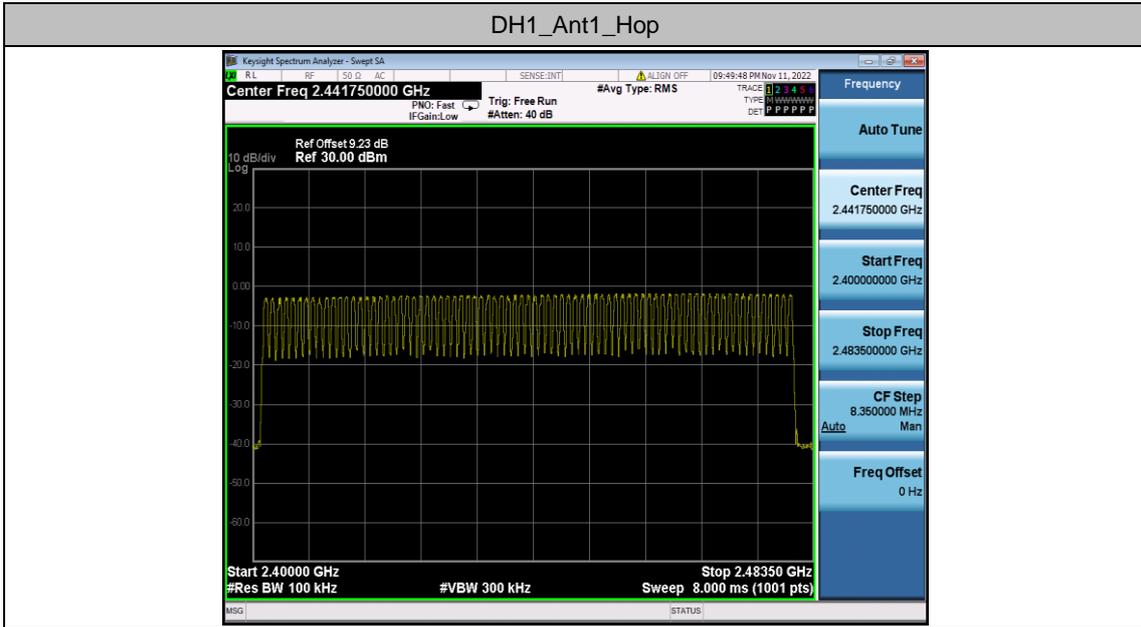


Appendix A.6: Number of hopping channels

Test Result

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

Test Graphs



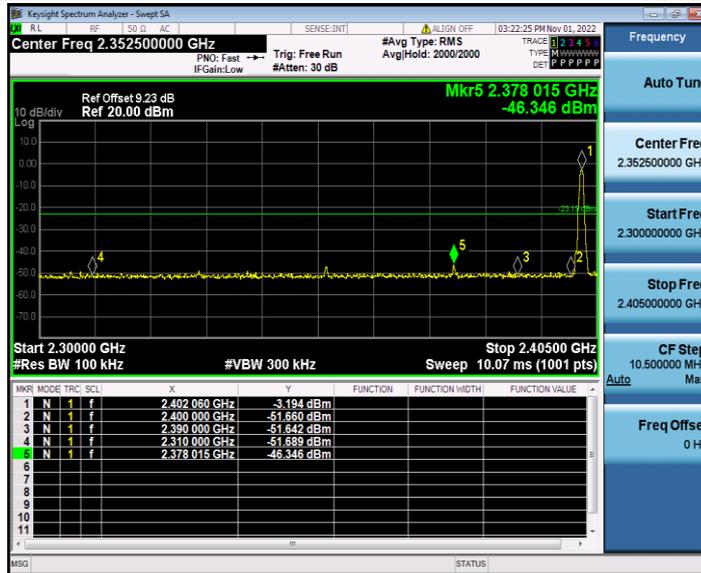
Appendix A.7: Band edge measurements

Test Result

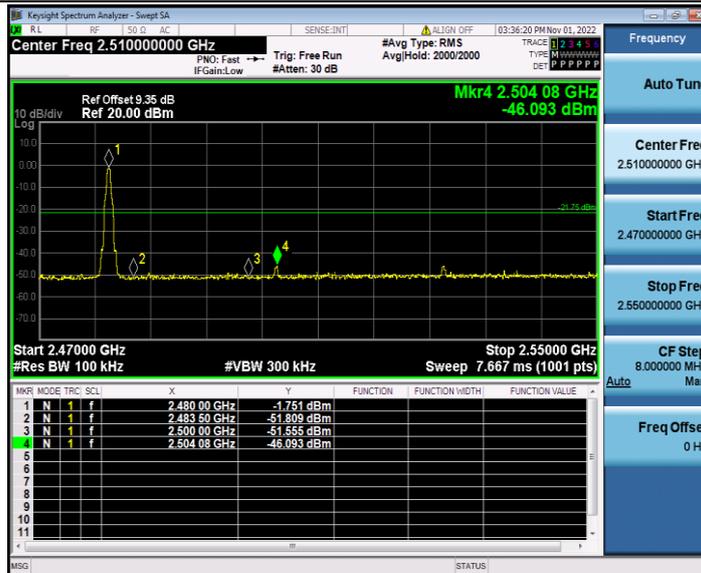
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	-3.19	-46.35	≤-23.19	PASS
		High	2480	-1.75	-46.09	≤-21.75	PASS
		Low	Hop_2402	-2.98	-46.26	≤-22.98	PASS
		High	Hop_2480	-1.77	-46.48	≤-21.77	PASS

Test Graphs

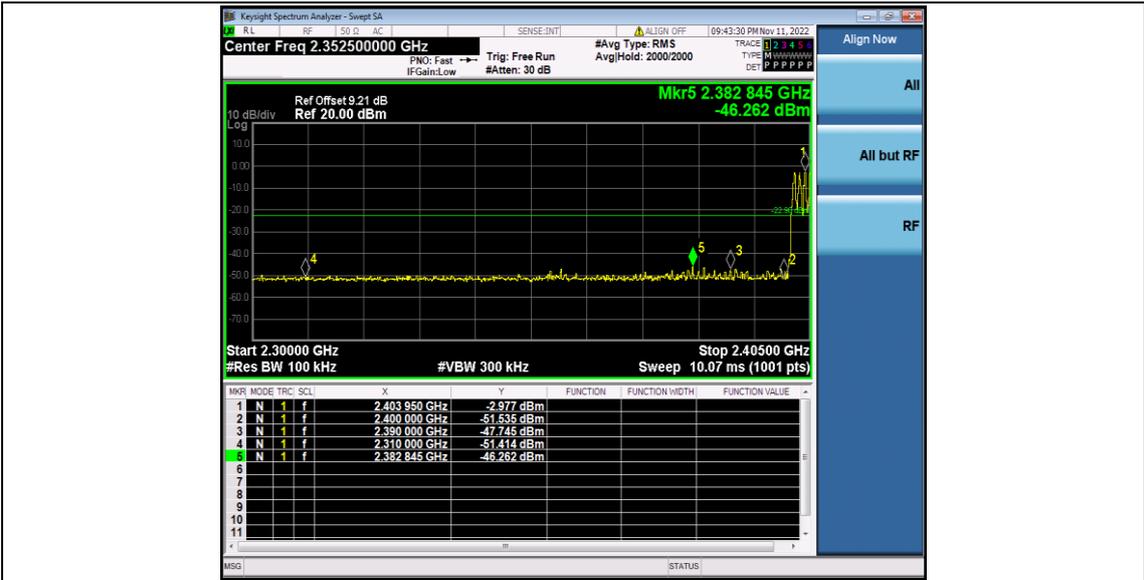
DH1_Ant1_Low_2402



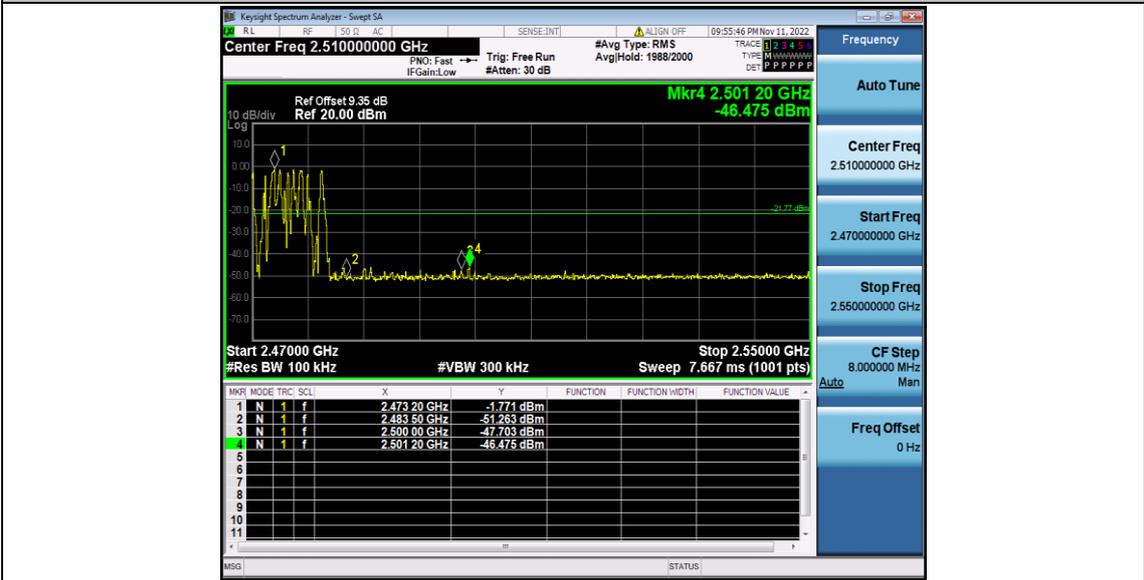
DH1_Ant1_High_2480



DH1_Ant1_Low_Hop_2402



DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

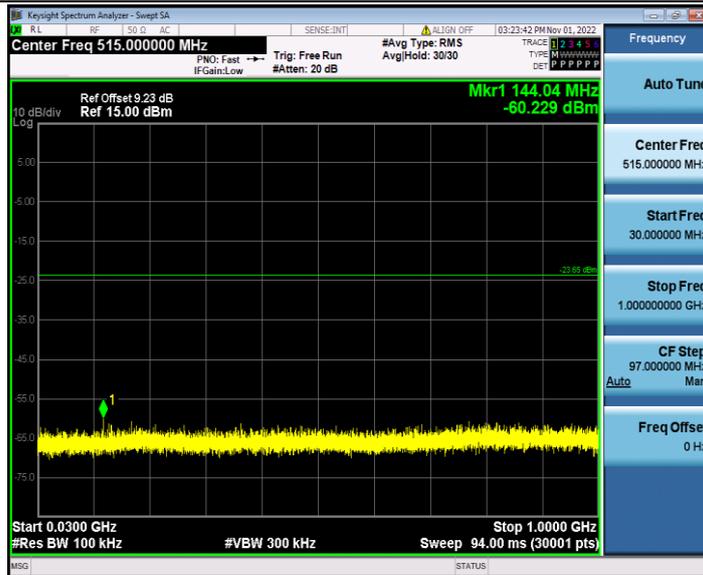
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	-3.65	-3.65	---	PASS
			30~1000	-3.65	-60.23	≤-23.65	PASS
			1000~26500	-3.65	-42.44	≤-23.65	PASS
		2441	Reference	-2.36	-2.36	---	PASS
			30~1000	-2.36	-59.92	≤-22.36	PASS
			1000~26500	-2.36	-42.53	≤-22.36	PASS
		2480	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-59.57	≤-22.17	PASS
			1000~26500	-2.17	-46.39	≤-22.17	PASS

Test Graphs

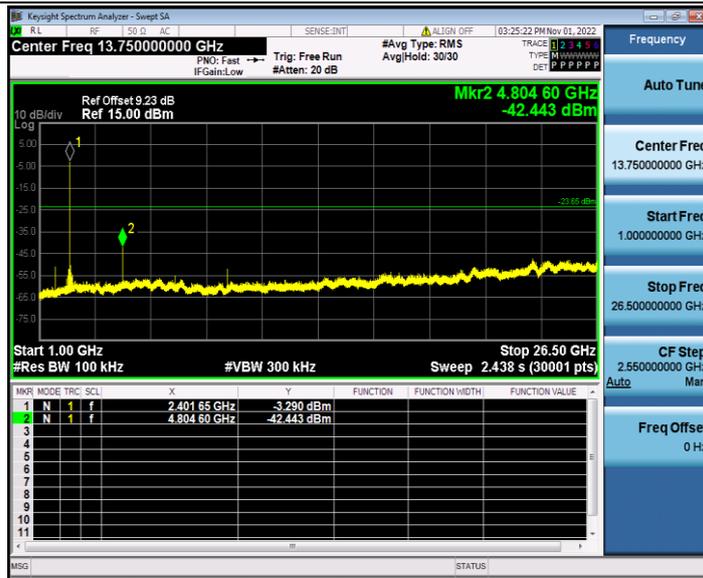
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



DH1_Ant1_2402_1000~26500



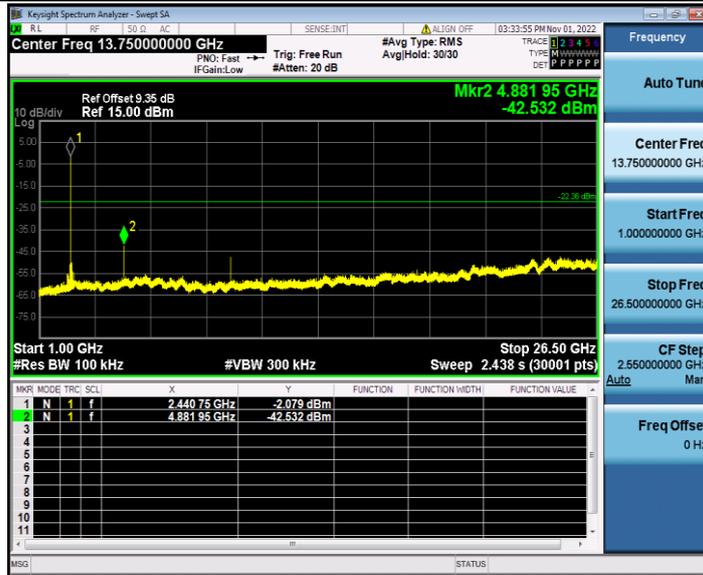
DH1_Ant1_2441_0-Reference



DH1_Ant1_2441_30~1000



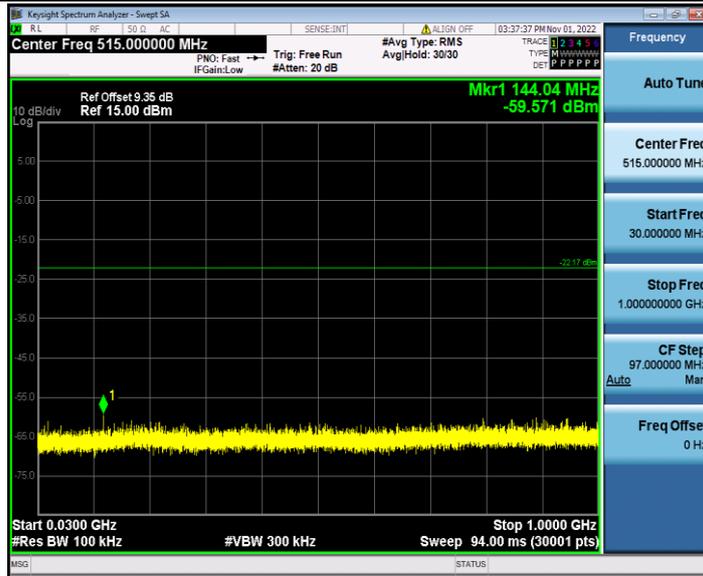
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



DH1_Ant1_2480_1000~26500

