

Case No. : <u>GTS20220606017-1-1</u>	
Ambient Condition: <u>25</u> °C, <u>45</u> %RH,	
Test Date: <u>2022.7.1</u>	Test Engineer: <u>Jenny zeng</u>

Appendix A.1: 20dB Emission Bandwidth

Test Result

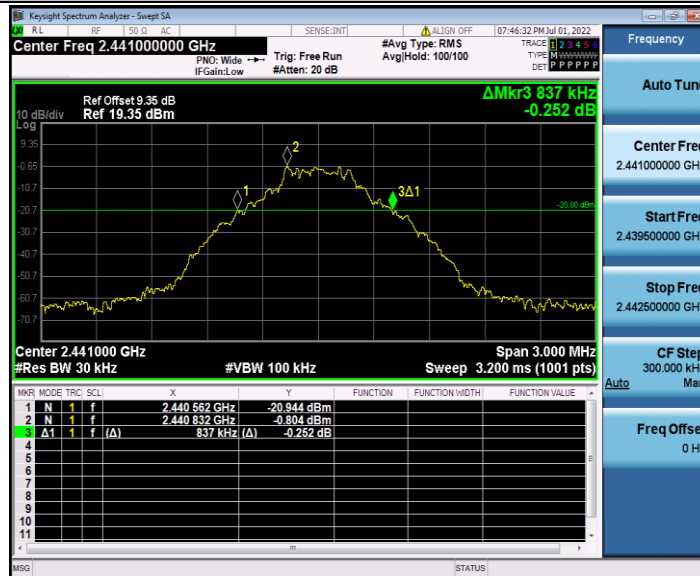
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.828	2401.583	2402.411	---	---
		2441	0.837	2440.562	2441.399	---	---
		2480	0.765	2479.613	2480.378	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.479 613 GHz	-19.331 dBm			
2	N	f		2.479 835 GHz	0.763 dBm			
Δ1	f	(Δ)		765 kHz (Δ)	-0.585 dB			

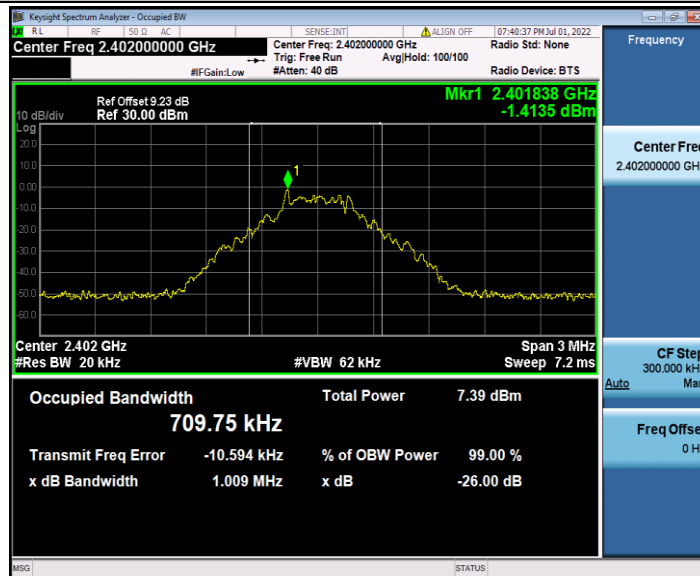
Appendix A.2: Occupied Channel Bandwidth

Test Result

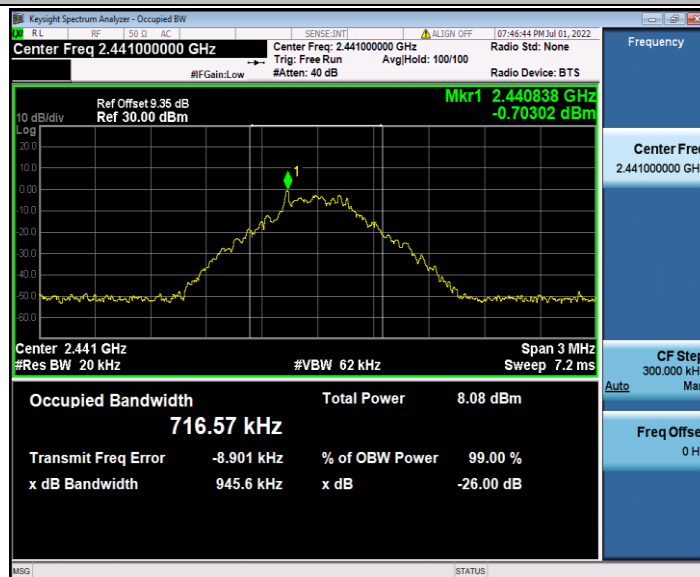
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.70975	2401.635	2402.344	---	---
		2441	0.71657	2440.633	2441.349	---	---
		2480	0.70830	2479.637	2480.346	---	---

Test Graphs

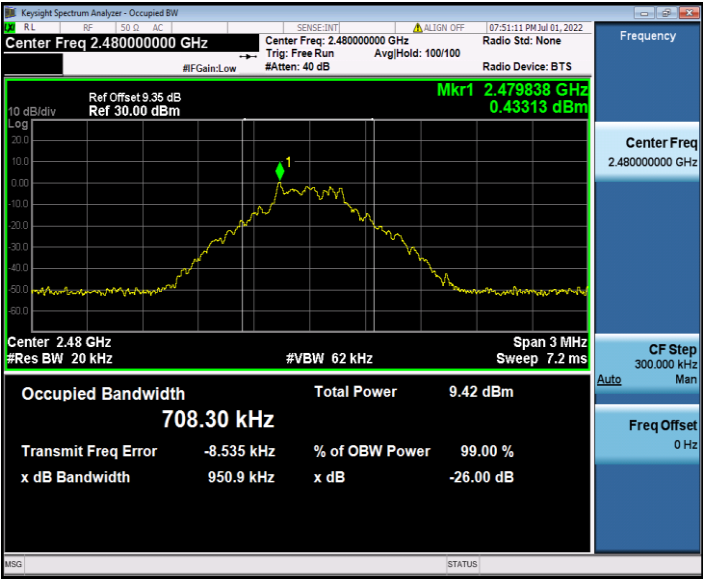
DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



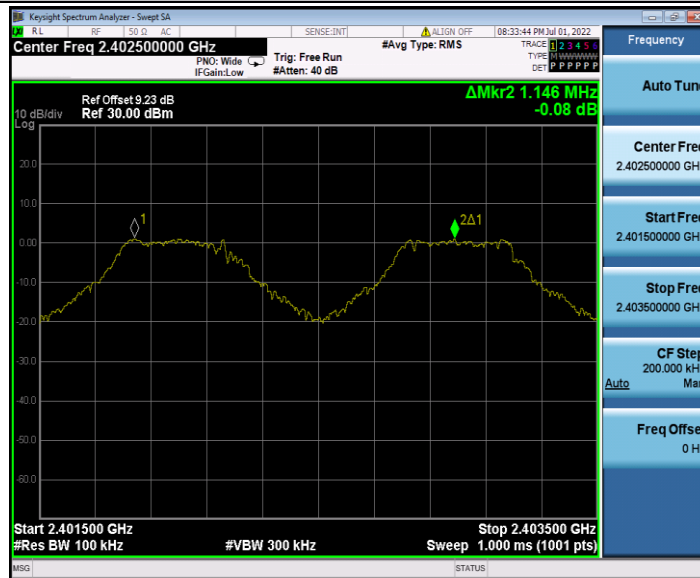
Appendix A.3: Carrier frequency separation

Test Result

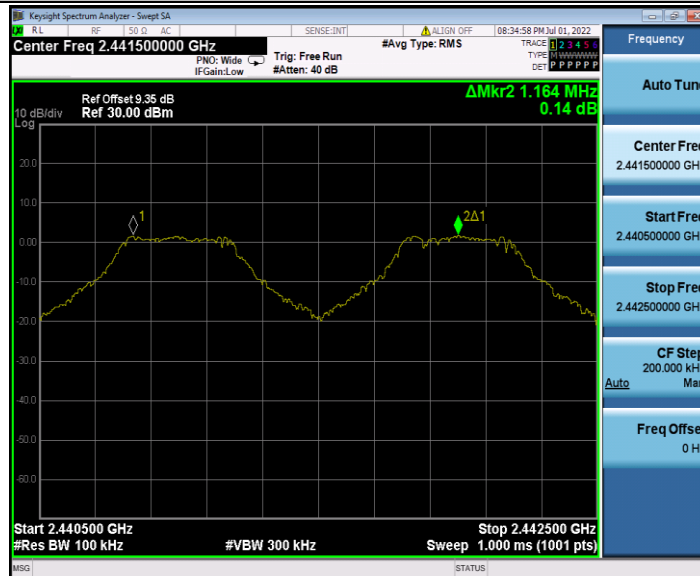
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.146	≥ 0.837	PASS
		Hop_2441	1.164	≥ 0.837	PASS
		Hop_2480	1.018	≥ 0.837	PASS

Test Graphs

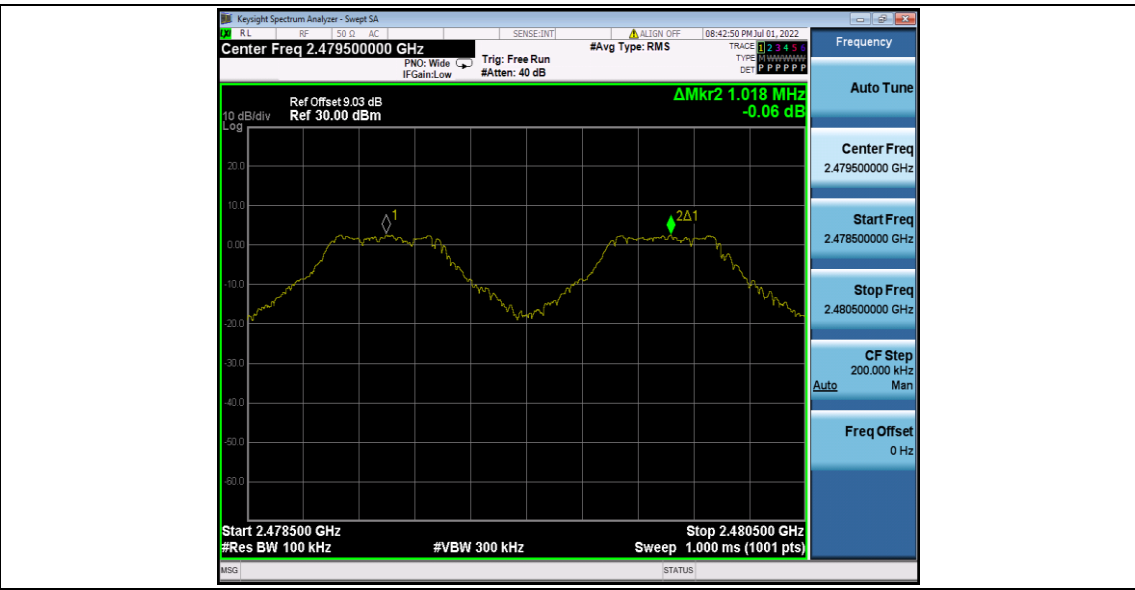
DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



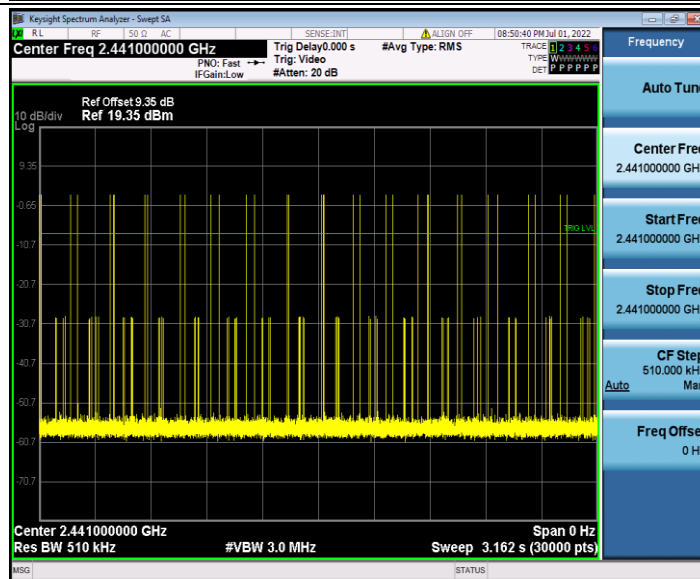
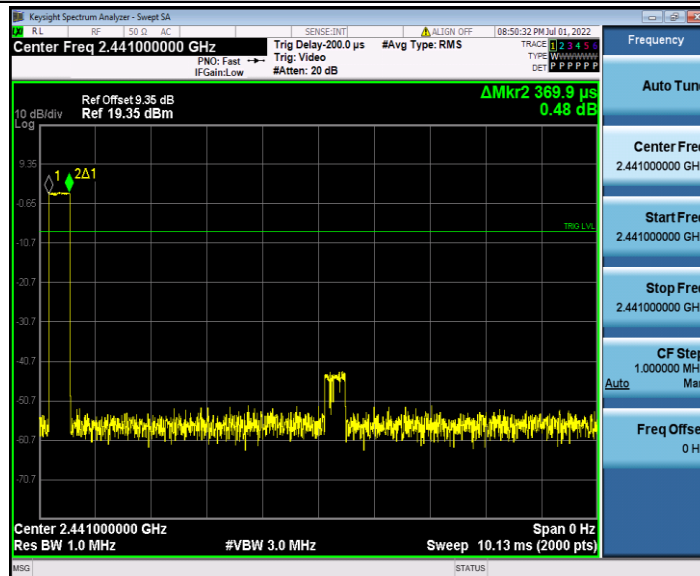
Appendix A.4: Time of occupancy

Test Result

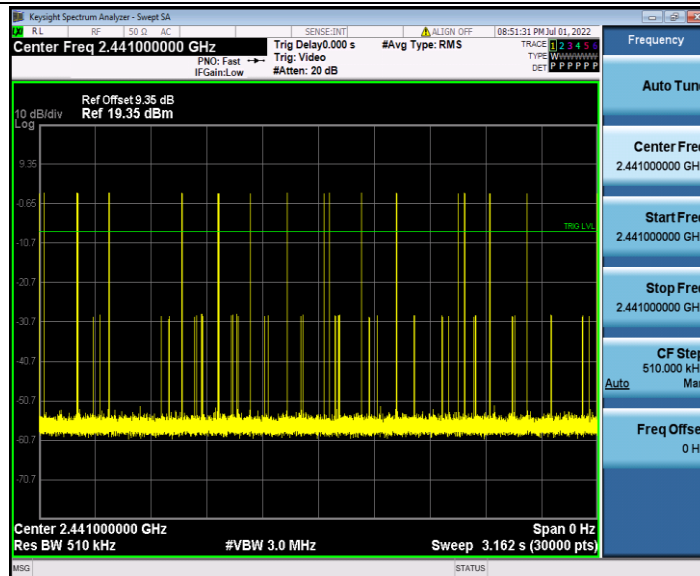
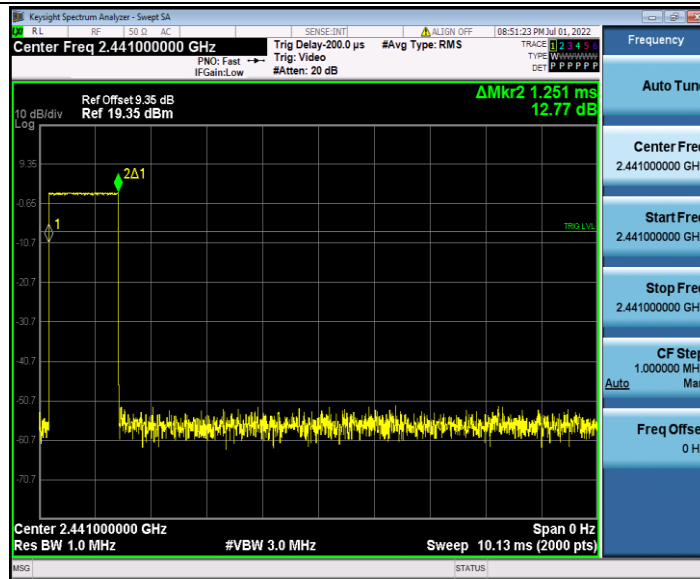
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.25	190	0.238	≤0.4	PASS
DH5	Ant1	Hop	2.87	120	0.345	≤0.4	PASS

Test Graphs

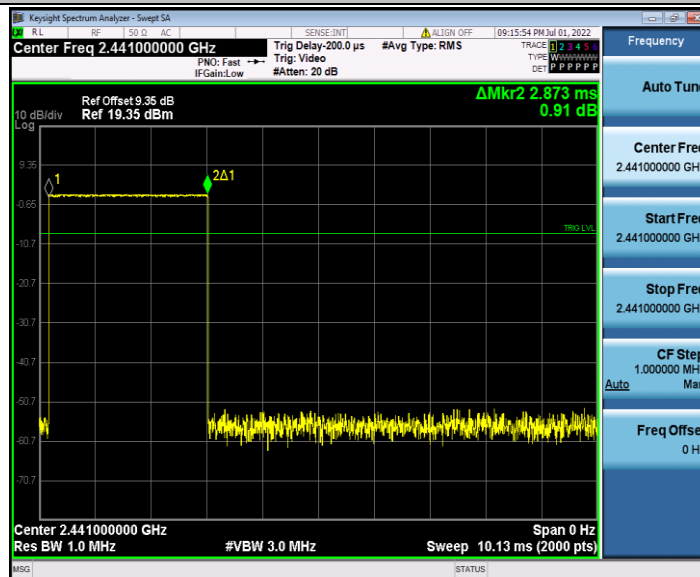
DH1_Ant1_Hop

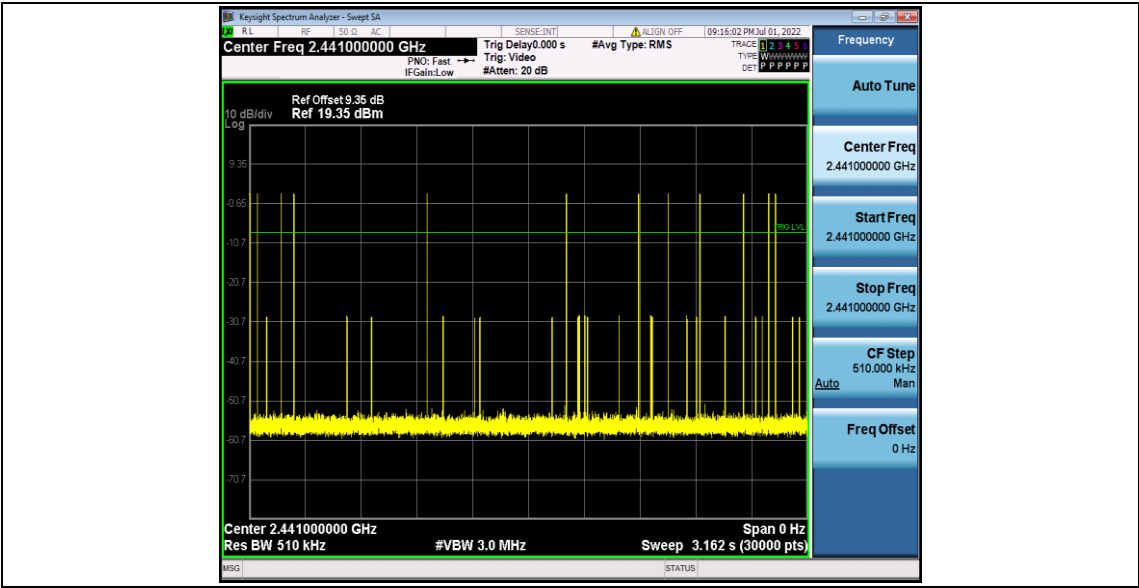


DH3_Ant1_Hop



DH5_Ant1_Hop



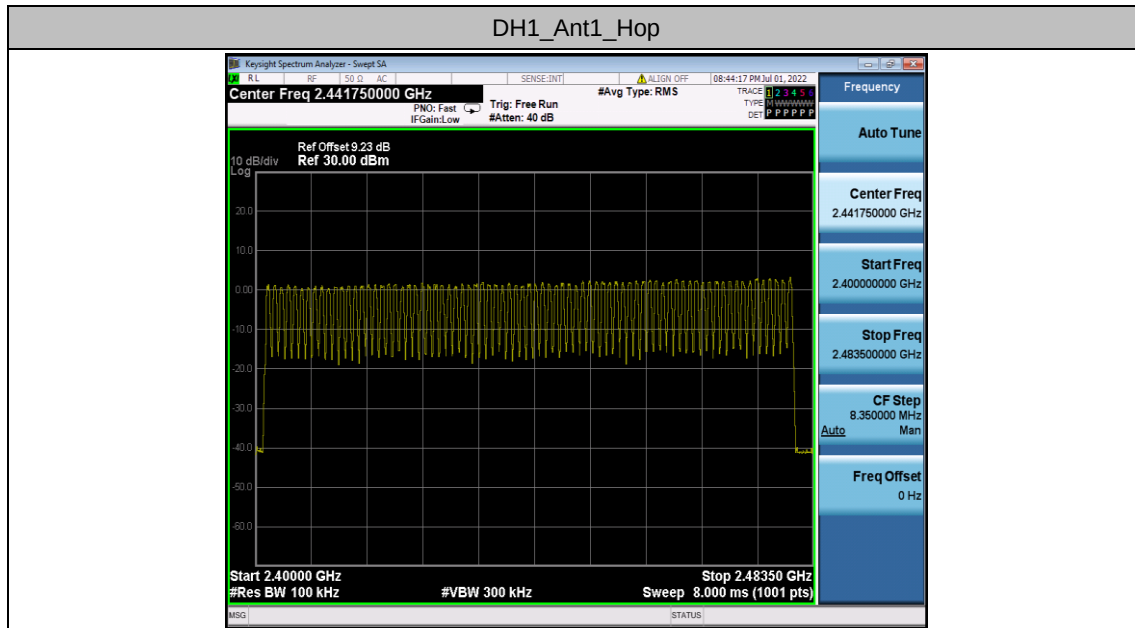


Appendix A.5: Number of hopping channels

Test Result

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

Test Graphs



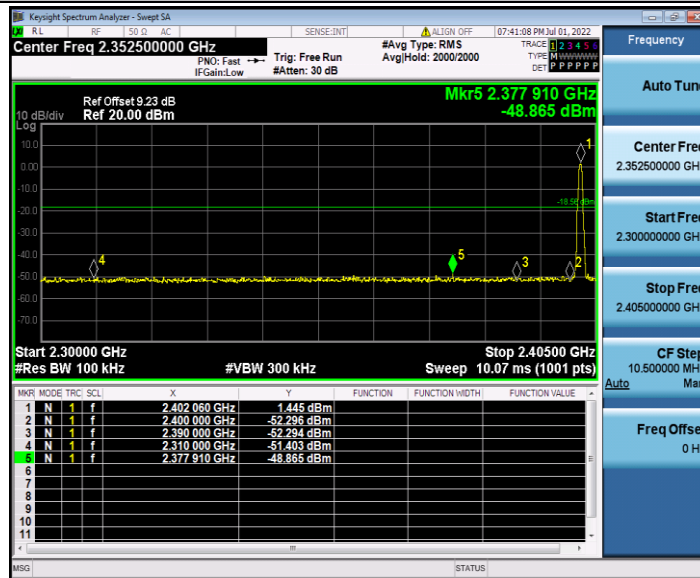
Appendix A.6: Band edge measurements

Test Result

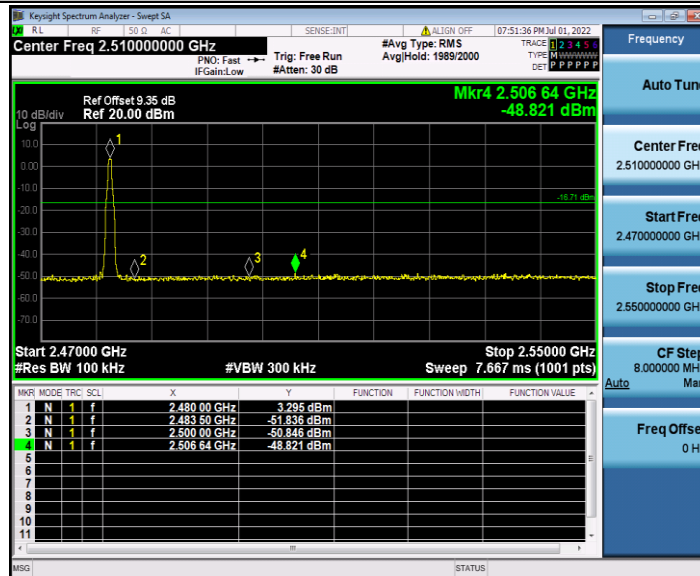
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	1.45	-48.87	≤-18.56	PASS
		High	2480	3.30	-48.82	≤-16.71	PASS
		Low	Hop_2402	1.09	-49.45	≤-18.91	PASS
		High	Hop_2480	2.94	-48.41	≤-17.06	PASS

Test Graphs

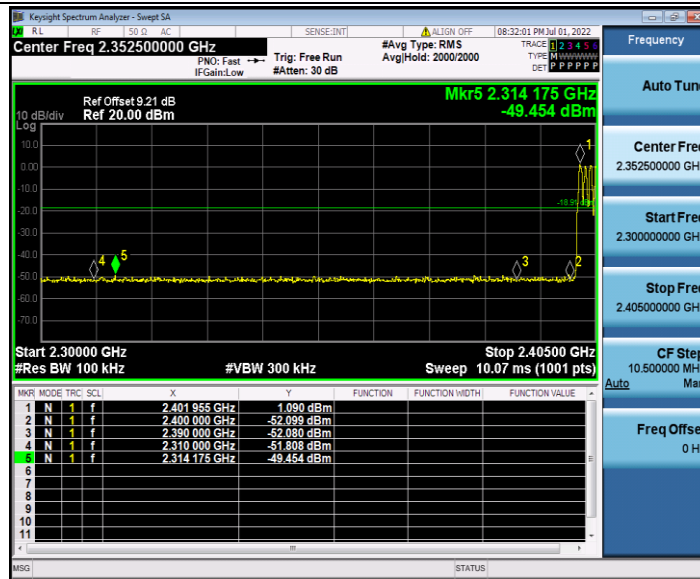
DH1_Ant1_Low_2402



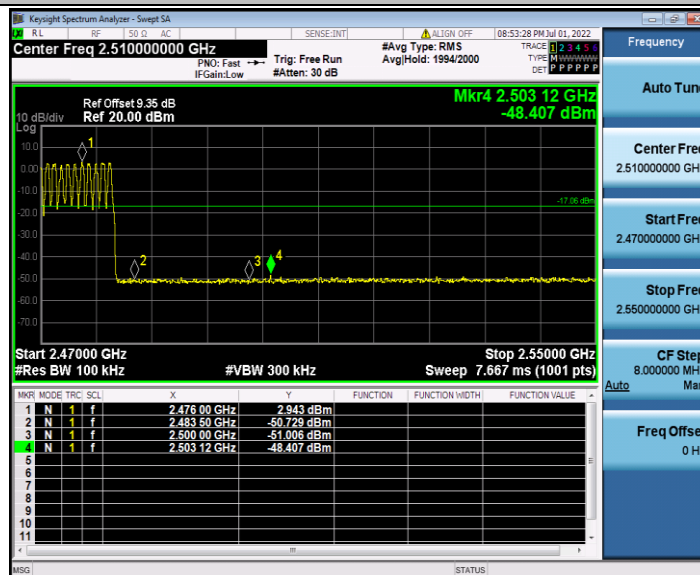
DH1_Ant1_High_2480



DH1_Ant1_Low_Hop_2402



DH1_Ant1_High_Hop_2480



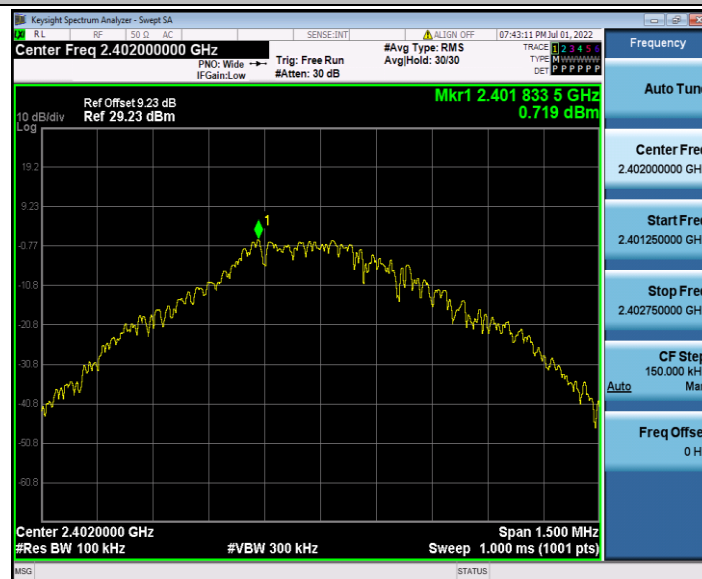
Appendix A.7: Conducted Spurious Emission

Test Result

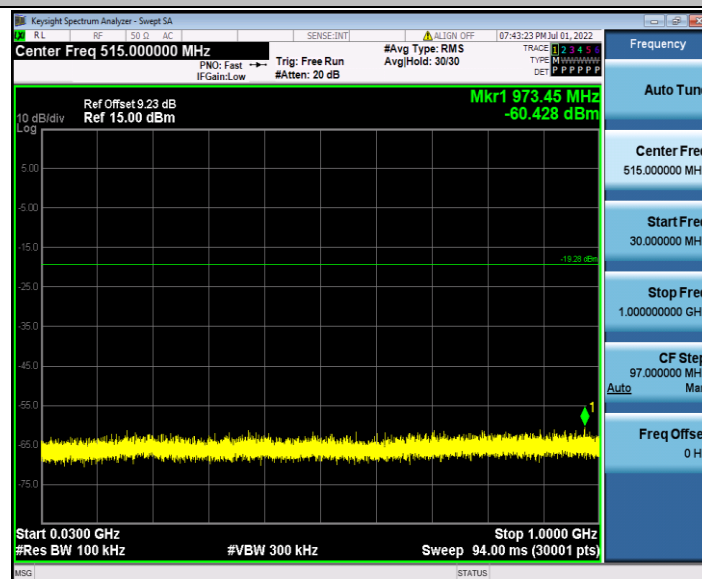
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-60.43	≤-19.28	PASS
			1000~26500	0.72	-48.09	≤-19.28	PASS
		2441	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-60.24	≤-18.41	PASS
			1000~26500	1.59	-48.1	≤-18.41	PASS
		2480	Reference	2.81	2.81	---	PASS
			30~1000	2.81	-60.37	≤-17.19	PASS
			1000~26500	2.81	-47.57	≤-17.19	PASS

Test Graphs

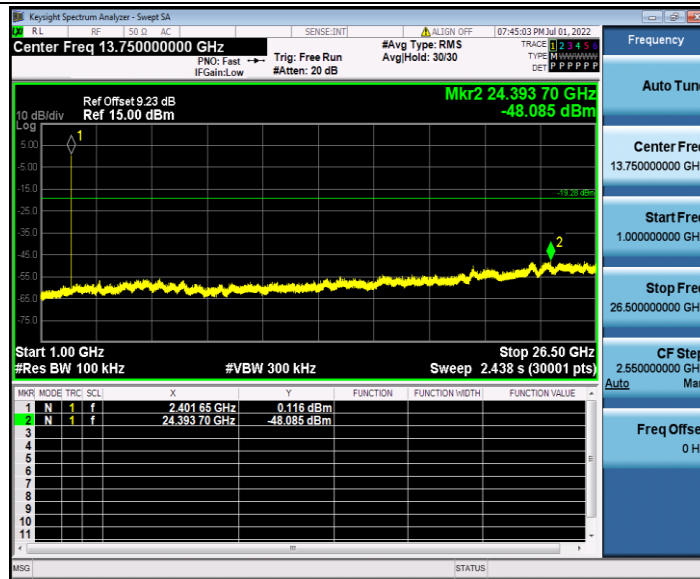
DH1_Ant1_2402_0~Reference



DH1_Ant1_2402_30~1000



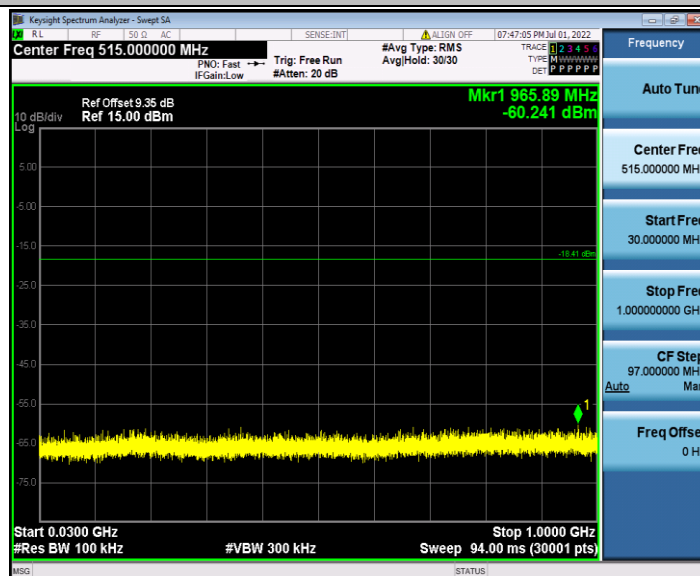
DH1_Ant1_2402_1000~26500



DH1_Ant1_2441_0~Reference



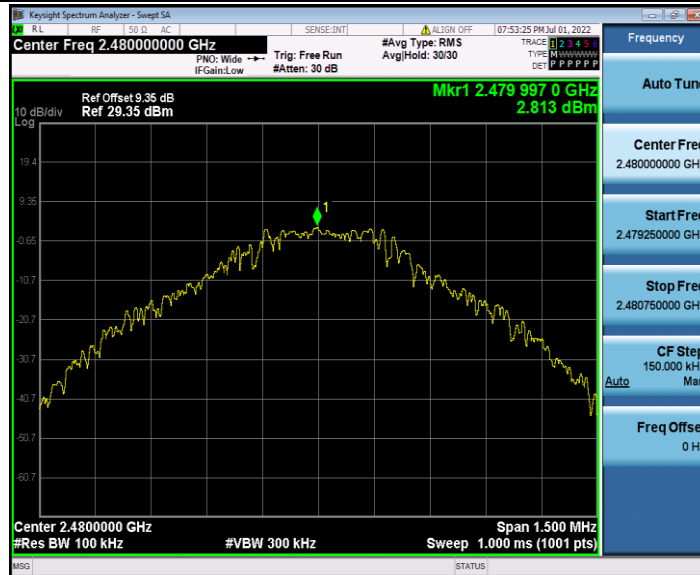
DH1_Ant1_2441_30~1000



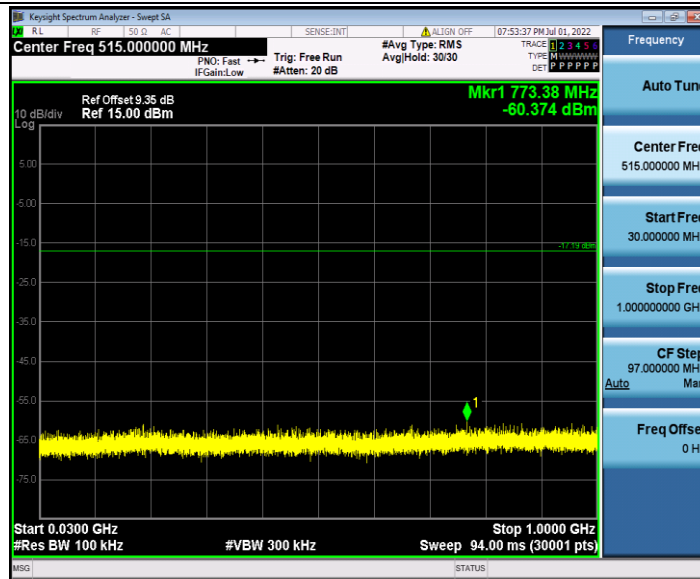
DH1_Ant1_2441_1000~26500



DH1_Ant1_2480_0~Reference



DH1_Ant1_2480_30~1000



DH1_Ant1_2480_1000~26500

