

Case No. : <u>GTS20250904021-1-01</u>	
Ambient Condition: <u>22</u> °C, <u>57</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2025.9.9-2025.9.17</u>	Test Engineer: <u>Evan ouyang</u>

AppendixA.1: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.035	2401.484	2402.519	---	---
		2441	1.035	2440.487	2441.522	---	---
		2480	1.035	2479.487	2480.522	---	---
2DH1	Ant1	2402	1.347	2401.322	2402.669	---	---
		2441	1.350	2440.319	2441.669	---	---
		2480	1.356	2479.316	2480.672	---	---
3DH1	Ant1	2402	1.296	2401.340	2402.636	---	---
		2441	1.296	2440.340	2441.636	---	---
		2480	1.293	2479.340	2480.633	---	---

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



AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.91216	2401.5290	2402.4411	---	---
		2441	0.91417	2440.5270	2441.4411	---	---
		2480	0.90994	2479.5289	2480.4388	---	---
2DH1	Ant1	2402	1.1802	2401.4025	2402.5827	---	---
		2441	1.1801	2440.4022	2441.5823	---	---
		2480	1.1824	2479.4006	2480.5830	---	---
3DH1	Ant1	2402	1.1646	2401.4151	2402.5797	---	---
		2441	1.1640	2440.4148	2441.5788	---	---
		2480	1.1647	2479.4136	2480.5783	---	---

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



AppendixA.3: Maximum conducted output power**Test Result Peak**

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	8.41	≤20.97	PASS
		2441	9.56	≤20.97	PASS
		2480	9.18	≤20.97	PASS
2DH1	Ant1	2402	8.28	≤20.97	PASS
		2441	9.66	≤20.97	PASS
		2480	9.36	≤20.97	PASS
3DH1	Ant1	2402	7.55	≤20.97	PASS
		2441	9.12	≤20.97	PASS
		2480	8.55	≤20.97	PASS

AppendixA.4: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	0.996	≥ 0.690	PASS
		Hop_2441	1.006	≥ 0.690	PASS
		Hop_2480	0.994	≥ 0.690	PASS
2DH1	Ant1	Hop_2402	1.034	≥ 0.904	PASS
		Hop_2441	0.99	≥ 0.904	PASS
		Hop_2480	0.972	≥ 0.904	PASS
3DH1	Ant1	Hop_2402	0.966	≥ 0.864	PASS
		Hop_2441	0.958	≥ 0.864	PASS
		Hop_2480	0.992	≥ 0.864	PASS

Test Graphs

DH1_Ant1_Hop_2402



DH1_Ant1_Hop_2441



DH1_Ant1_Hop_2480



2D11_Ant1_Hop_2402



2D11_Ant1_Hop_2441



2DH1_Ant1_Hop_2480



3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480



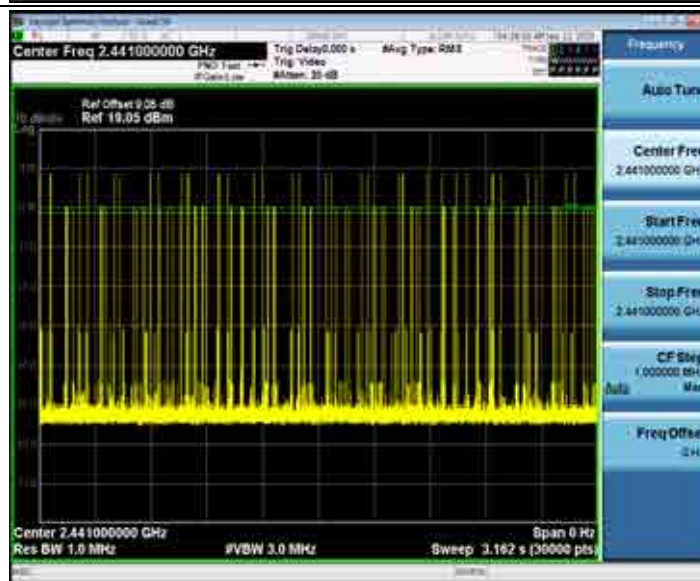
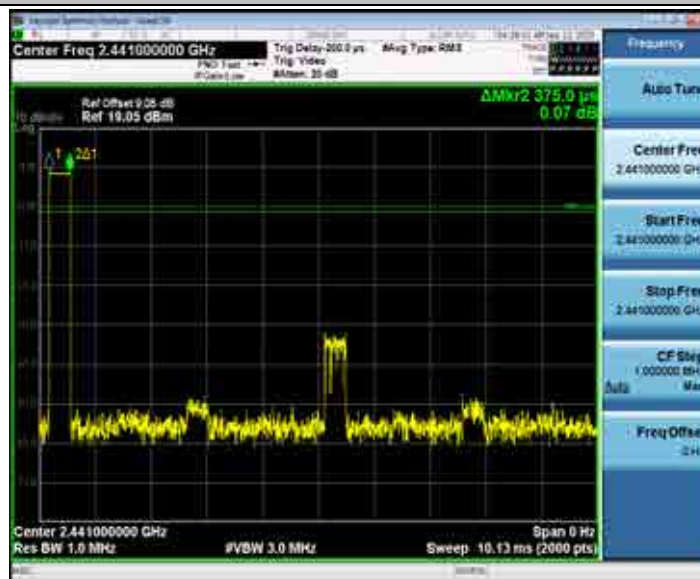
AppendixA.5: Time of occupancy

Test Result

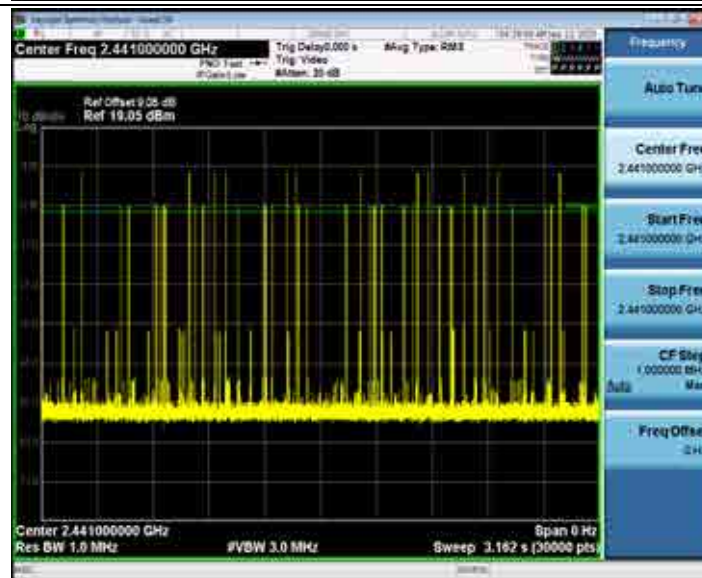
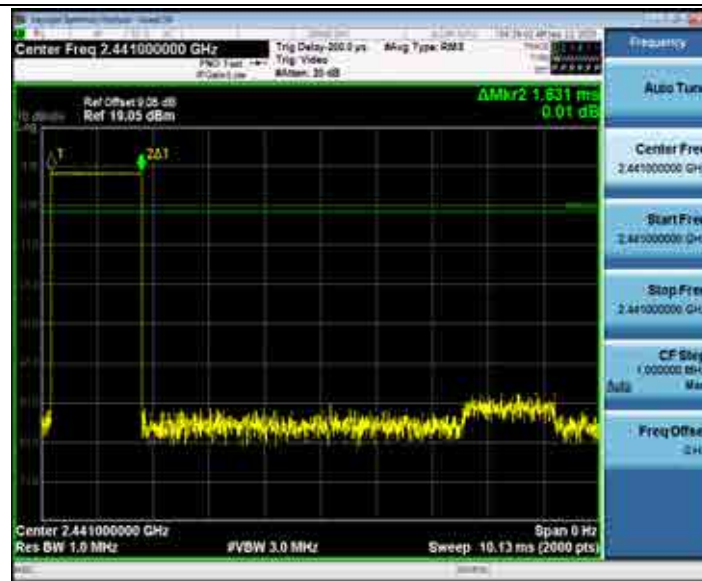
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	330	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.631	130	0.212	≤0.4	PASS
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.883	130	0.375	≤0.4	PASS
3DH1	Ant1	Hop	0.385	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.631	150	0.245	≤0.4	PASS
3DH5	Ant1	Hop	2.883	90	0.259	≤0.4	PASS

Test Graphs

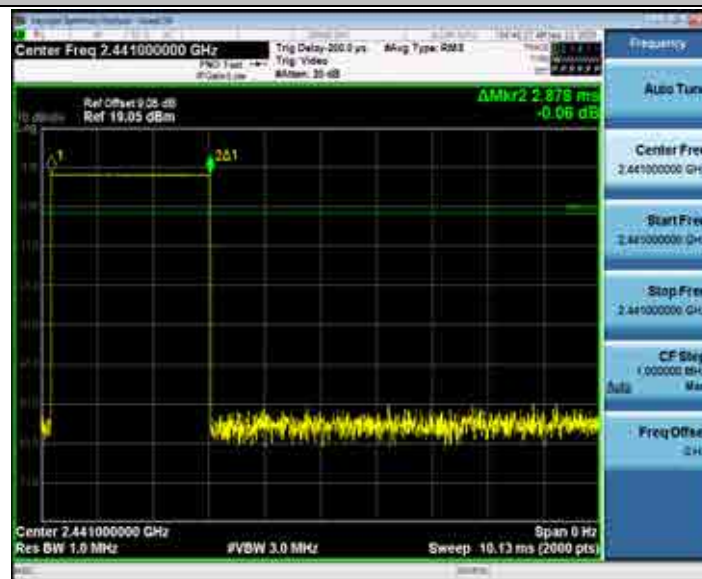
DH1_Ant1_Hop

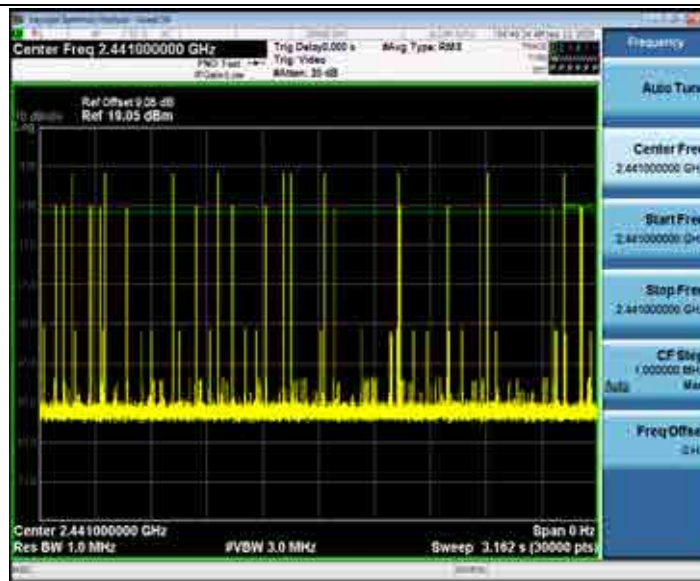


DH3_Ant1_Hop

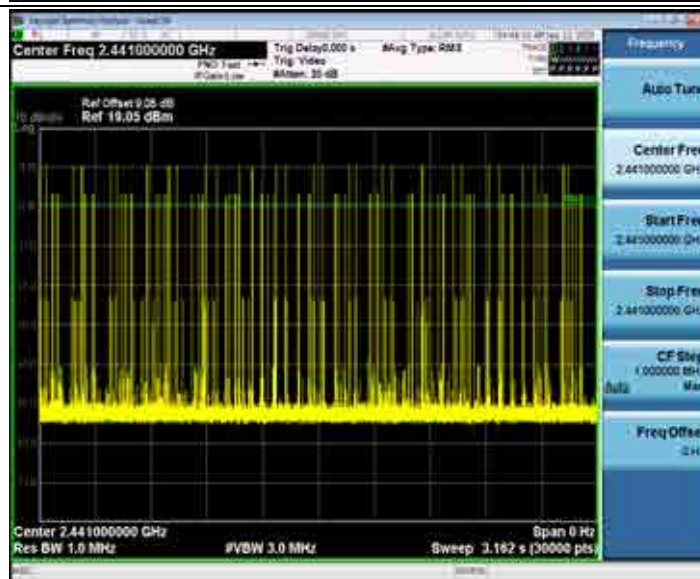
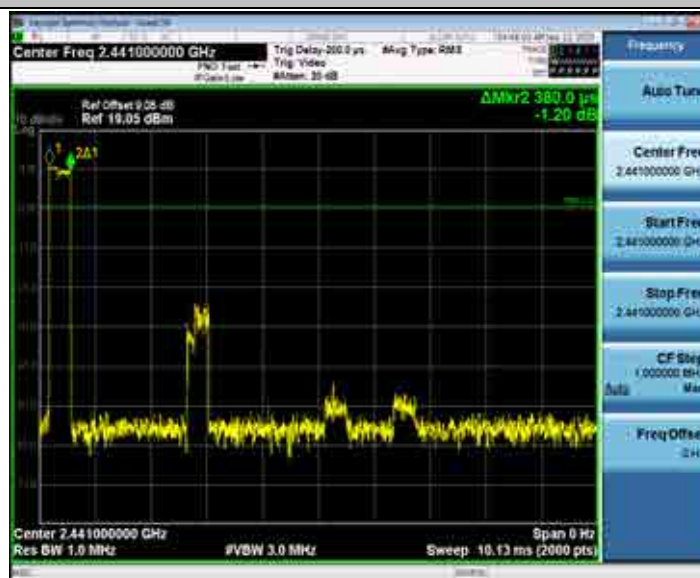


DH5_Ant1_Hop

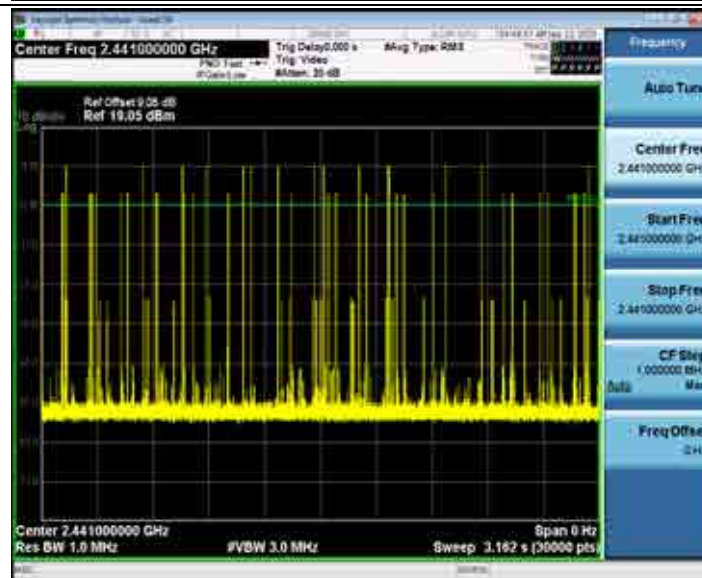
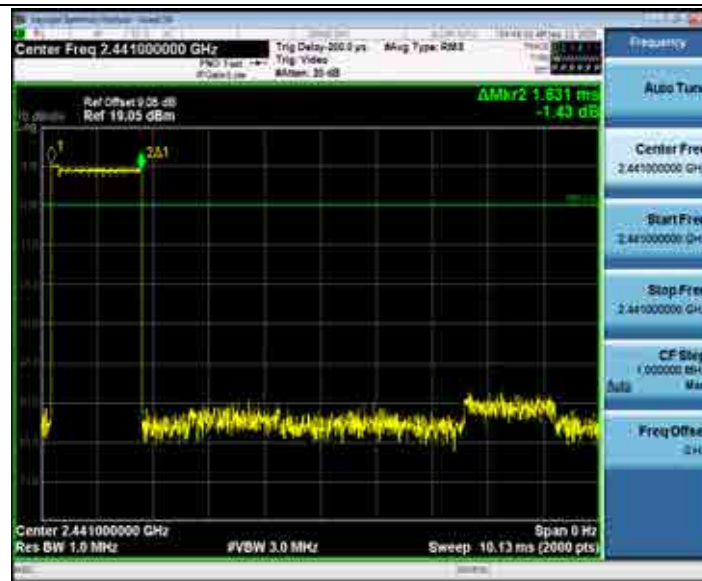




2DH1_Ant1_Hop

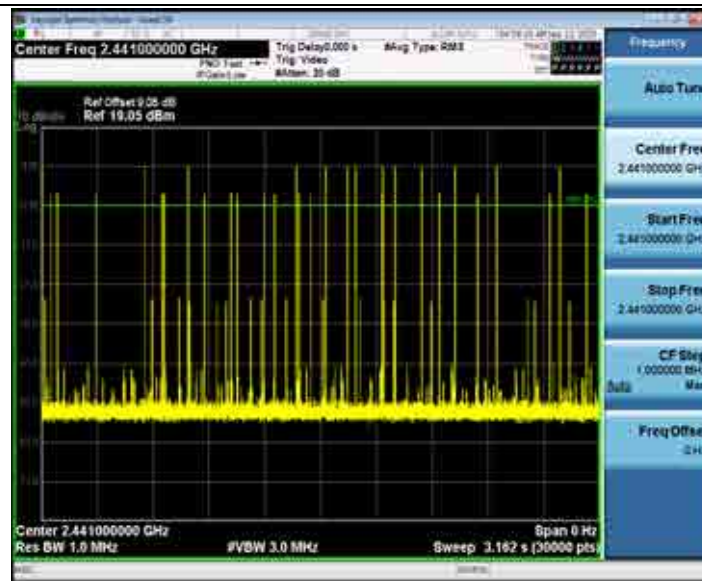


2DH3_Ant1_Hop

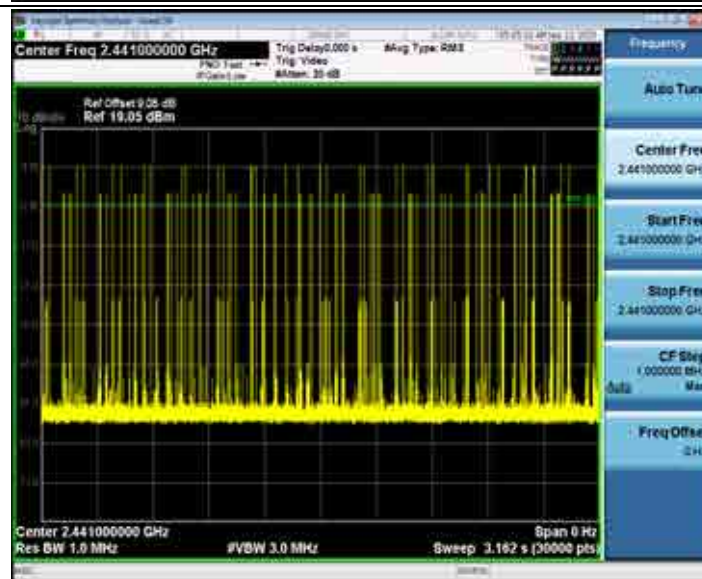
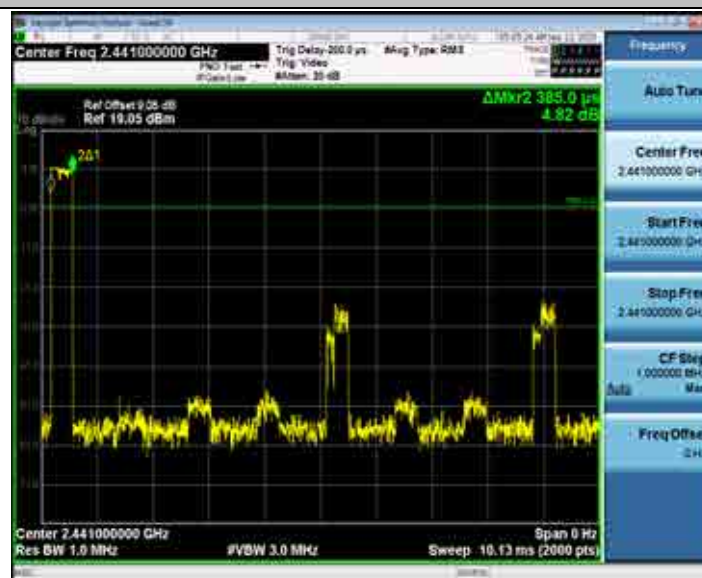


2DH5_Ant1_Hop

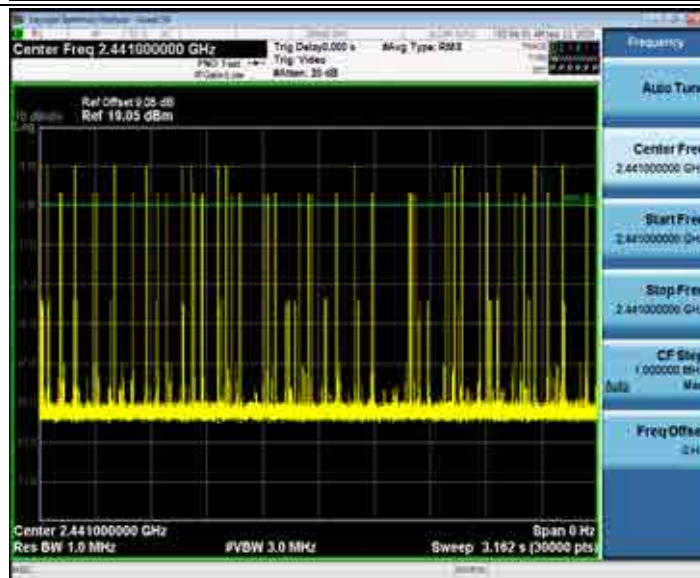
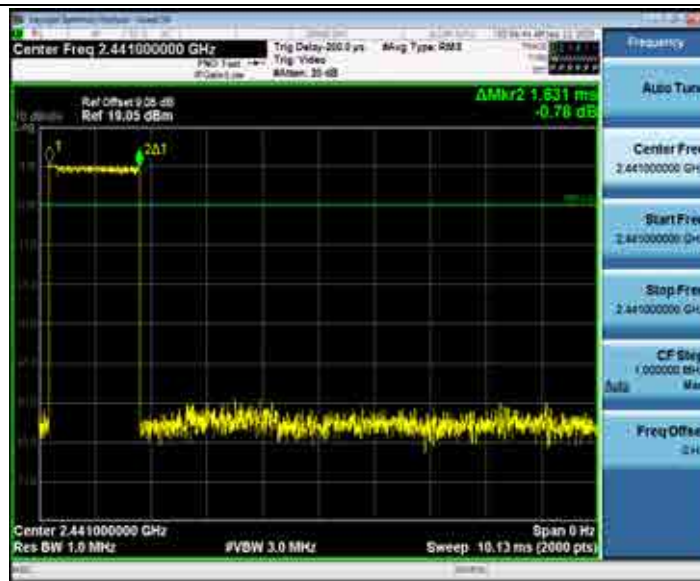




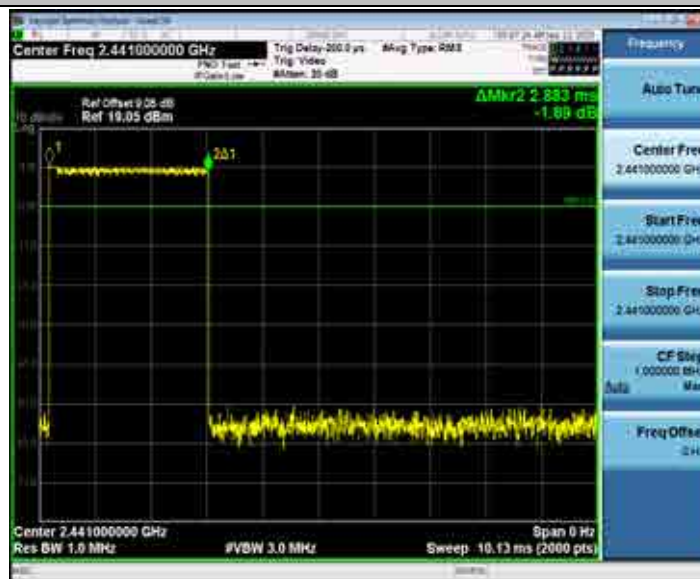
3DH1_Ant1_Hop

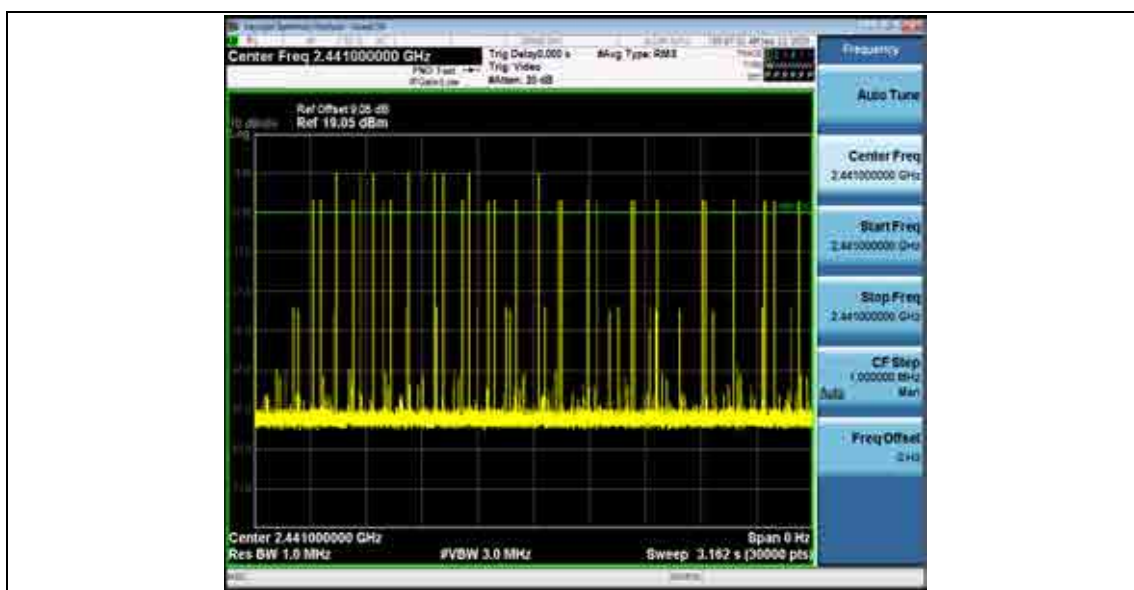


3DH3_Ant1_Hop



3DH5_Ant1_Hop





AppendixA.6: Number of hopping channels

Test Result

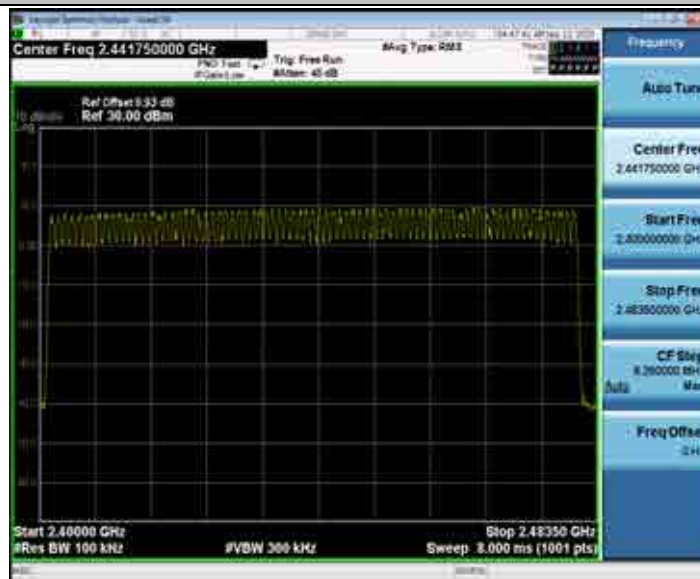
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



Appendix A.7: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	2402	5.72	-44.3	≤-14.29	PASS
		High	2480	6.90	-46.4	≤-13.1	PASS
		Low	Hop_2402	5.62	-45.84	≤-14.38	PASS
		High	Hop_2480	7.19	-46.99	≤-12.81	PASS
2DH1	Ant1	Low	2402	1.54	-47.8	≤-18.47	PASS
		High	2480	2.72	-47.95	≤-17.28	PASS
		Low	Hop_2402	7.21	-48.4	≤-12.8	PASS
		High	Hop_2480	8.49	-48.59	≤-11.52	PASS
3DH1	Ant1	Low	2402	1.81	-48.02	≤-18.19	PASS
		High	2480	2.95	-47.97	≤-17.05	PASS
		Low	Hop_2402	7.42	-47.08	≤-12.58	PASS
		High	Hop_2480	8.48	-48.31	≤-11.52	PASS

Test Graphs

DH1_Ant1_Low_2402



DH1_Ant1_High_2480



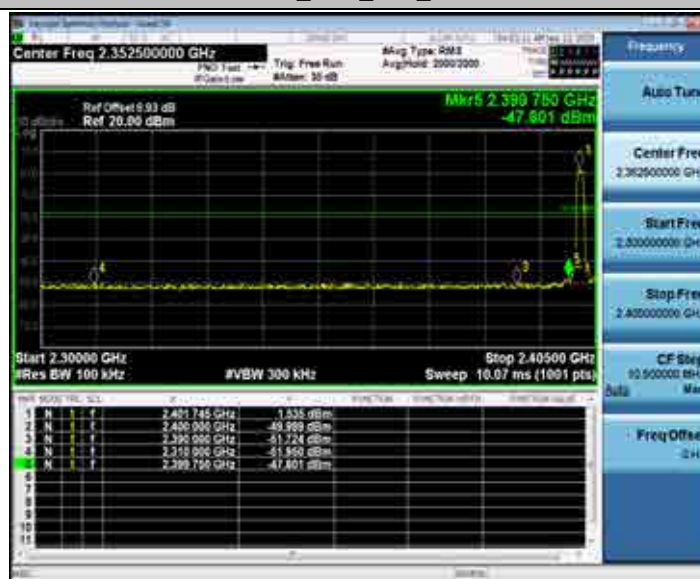
DH1_Ant1_Low_Hop_2402



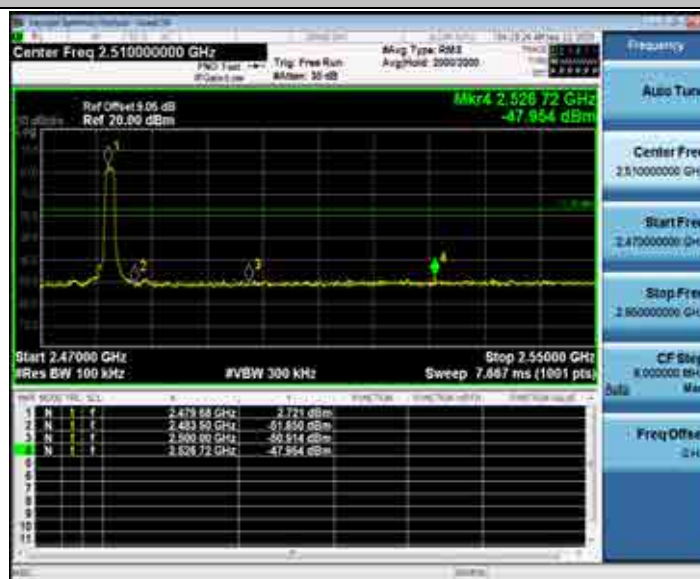
DH1_Ant1_High_Hop_2480



2DH1_Ant1_Low_2402



2DH1_Ant1_High_2480



2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480



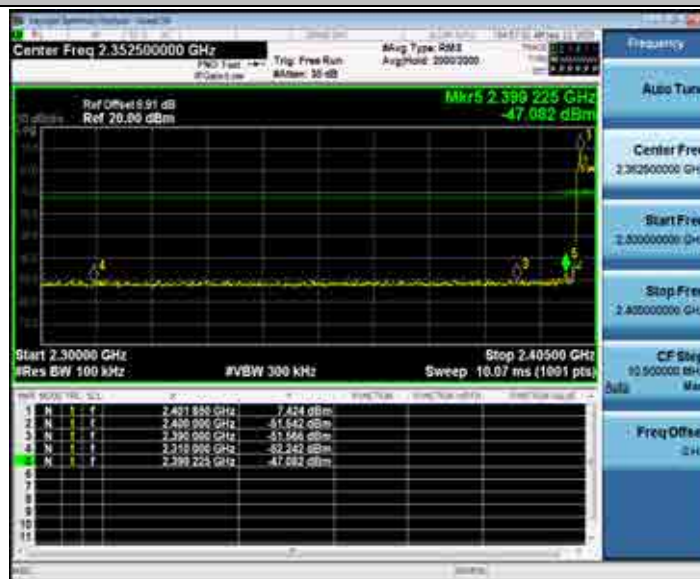
3DH1_Ant1_Low_2402



3DH1_Ant1_High_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



Appendix A.8: Conducted Spurious Emission

Test Result

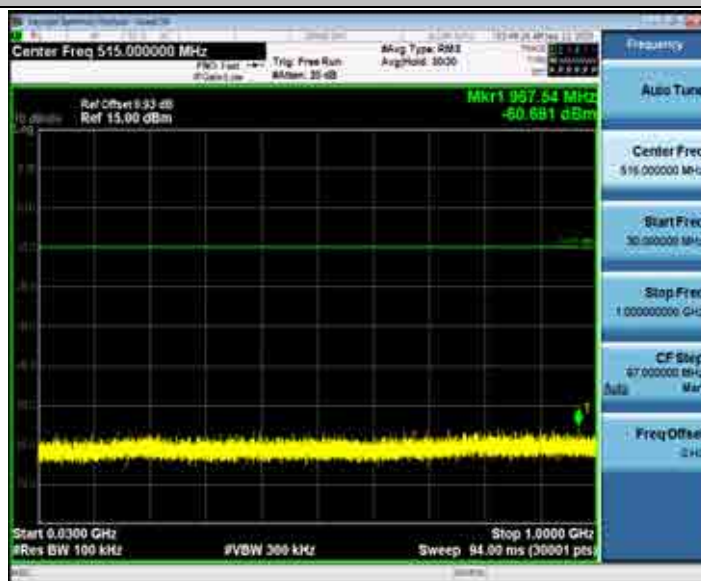
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	5.23	5.23	---	PASS
			30~1000	5.23	-60.69	≤-14.77	PASS
			1000~26500	5.23	-47.68	≤-14.77	PASS
		2441	Reference	6.85	6.85	---	PASS
			30~1000	6.85	-60.84	≤-13.15	PASS
			1000~26500	6.85	-47.35	≤-13.15	PASS
		2480	Reference	6.36	6.36	---	PASS
			30~1000	6.36	-60.62	≤-13.64	PASS
			1000~26500	6.36	-47.66	≤-13.64	PASS
2DH1	Ant1	2402	Reference	1.23	1.23	---	PASS
			30~1000	1.23	-60.22	≤-18.77	PASS
			1000~26500	1.23	-47.27	≤-18.77	PASS
		2441	Reference	2.91	2.91	---	PASS
			30~1000	2.91	-60.29	≤-17.09	PASS
			1000~26500	2.91	-47.56	≤-17.09	PASS
		2480	Reference	2.45	2.45	---	PASS
			30~1000	2.45	-60.69	≤-17.55	PASS
			1000~26500	2.45	-48	≤-17.55	PASS
3DH1	Ant1	2402	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-60.55	≤-19.74	PASS
			1000~26500	0.26	-46.7	≤-19.74	PASS
		2441	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-60.06	≤-17.99	PASS
			1000~26500	2.01	-46.76	≤-17.99	PASS
		2480	Reference	2.50	2.50	---	PASS
			30~1000	2.50	-60.63	≤-17.5	PASS
			1000~26500	2.50	-47.59	≤-17.5	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



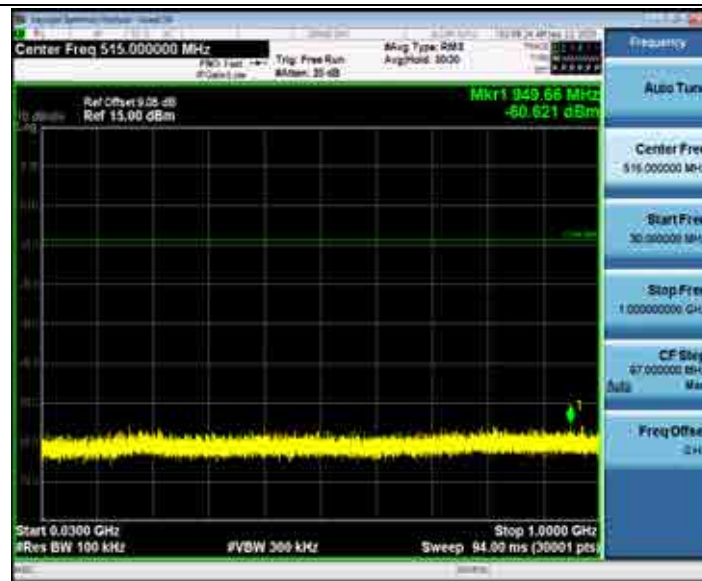
DH1_Ant1_2441_1000~26500



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



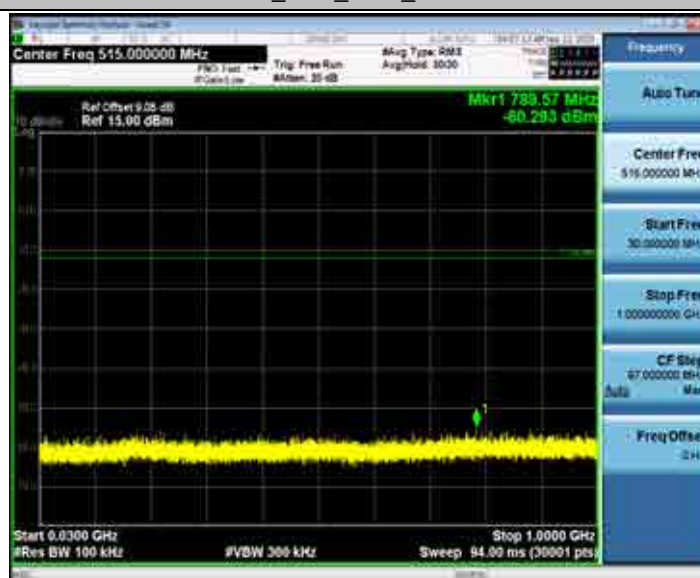
2DH1_Ant1_2402_1000~26500



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



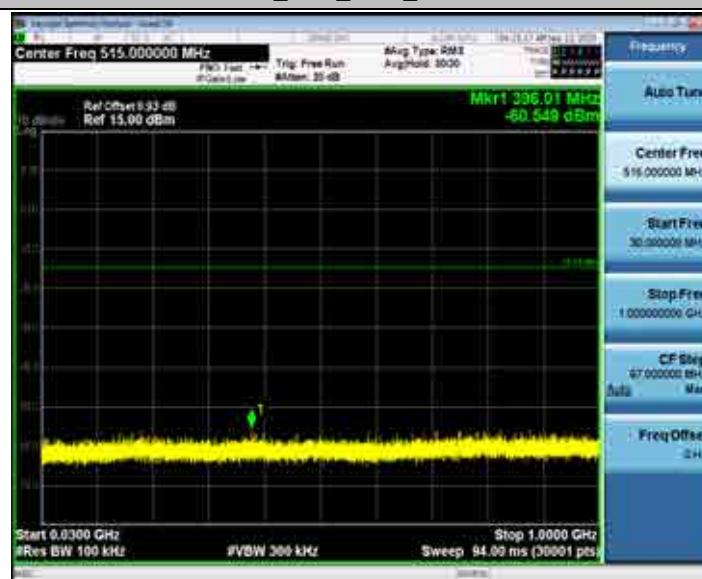
2DH1_Ant1_2480_1000~26500



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

