

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: GamePad

Test Model: RU2

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

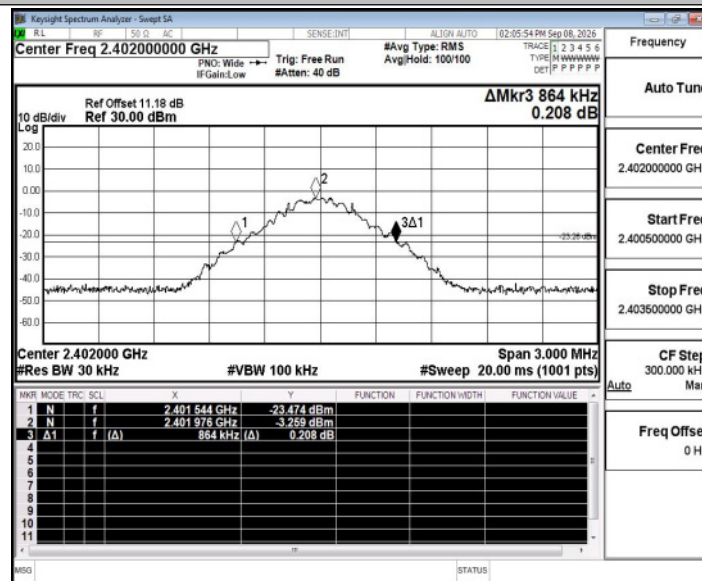
A.1 20dB Emission Bandwidth

Test Result

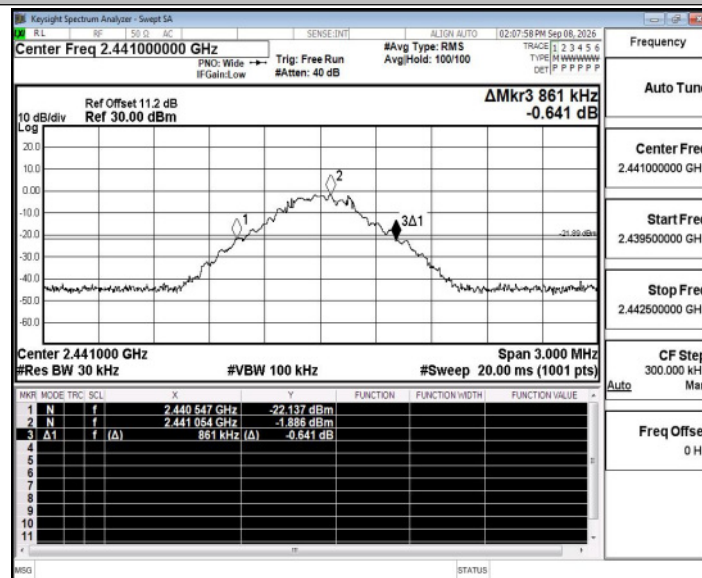
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.864	2401.544	2402.408	---	---
		2441	0.861	2440.547	2441.408	---	---
		2480	0.864	2479.547	2480.411	---	---
2DH5	Ant1	2402	1.260	2401.367	2402.627	---	---
		2441	1.254	2440.370	2441.624	---	---
		2480	1.272	2479.364	2480.636	---	---
3DH5	Ant1	2402	1.257	2401.358	2402.615	---	---
		2441	1.287	2440.352	2441.639	---	---
		2480	1.254	2479.358	2480.612	---	---

Test Graphs

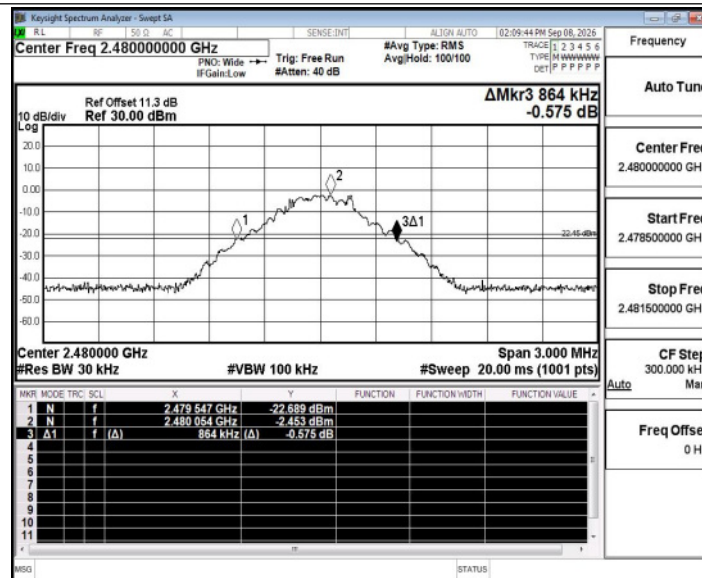
DH5_Ant1_2402



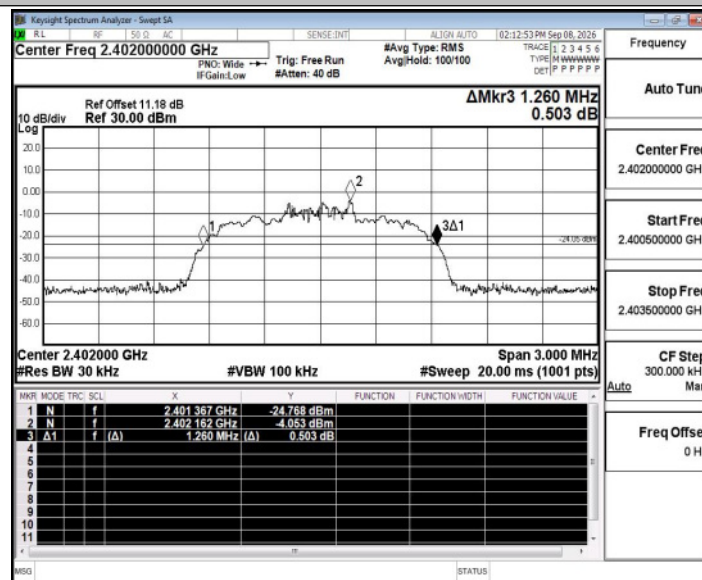
DH5_Ant1_2441



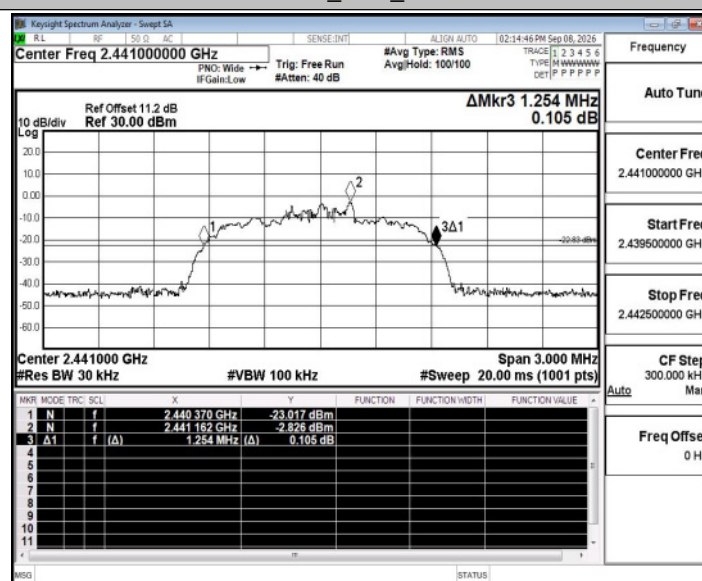
DH5_Ant1_2480



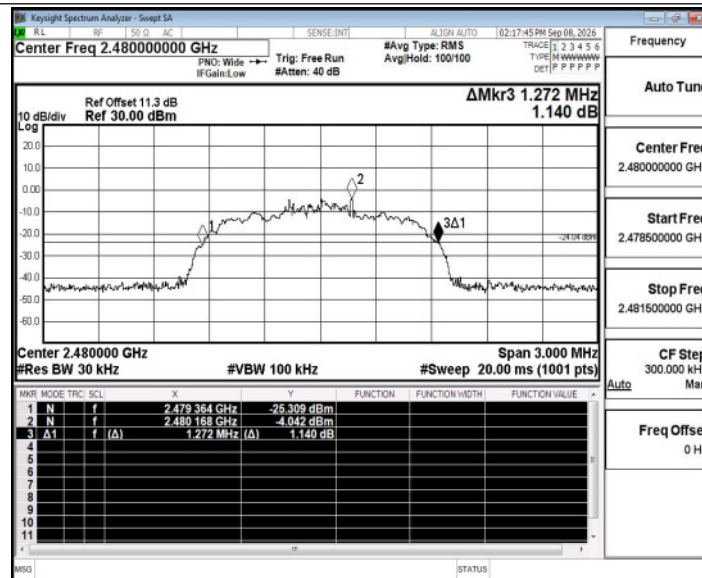
2DH5_Ant1_2402



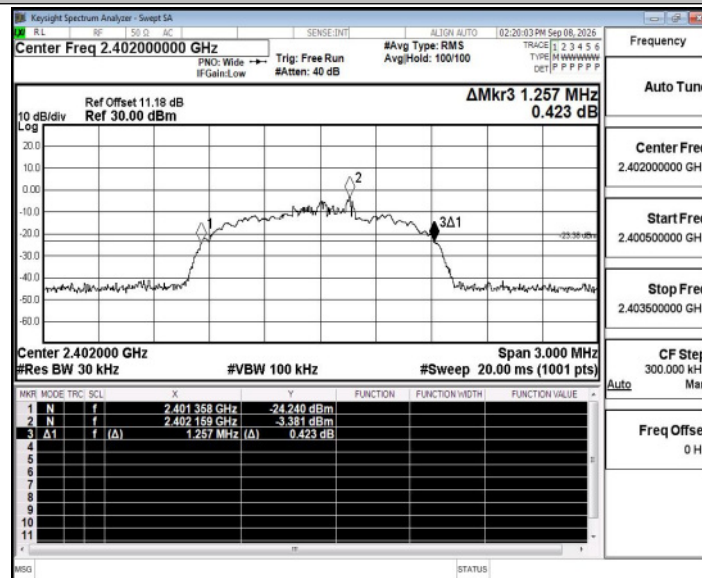
2DH5_Ant1_2441



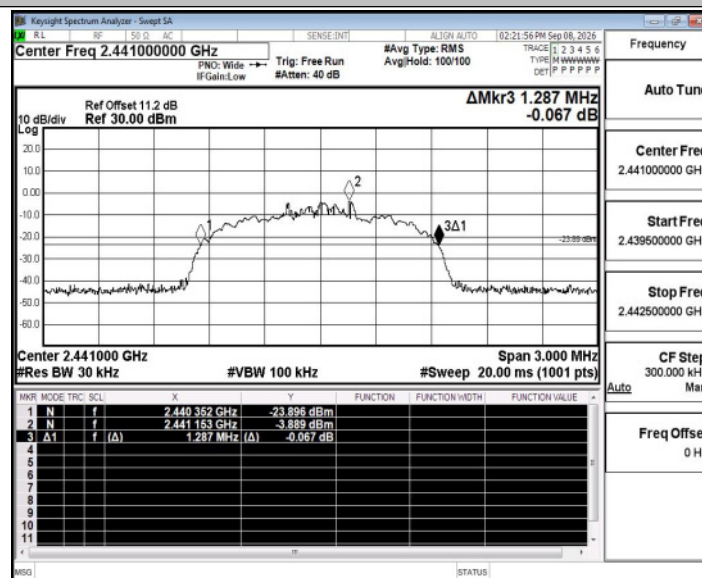
2DH5_Ant1_2480



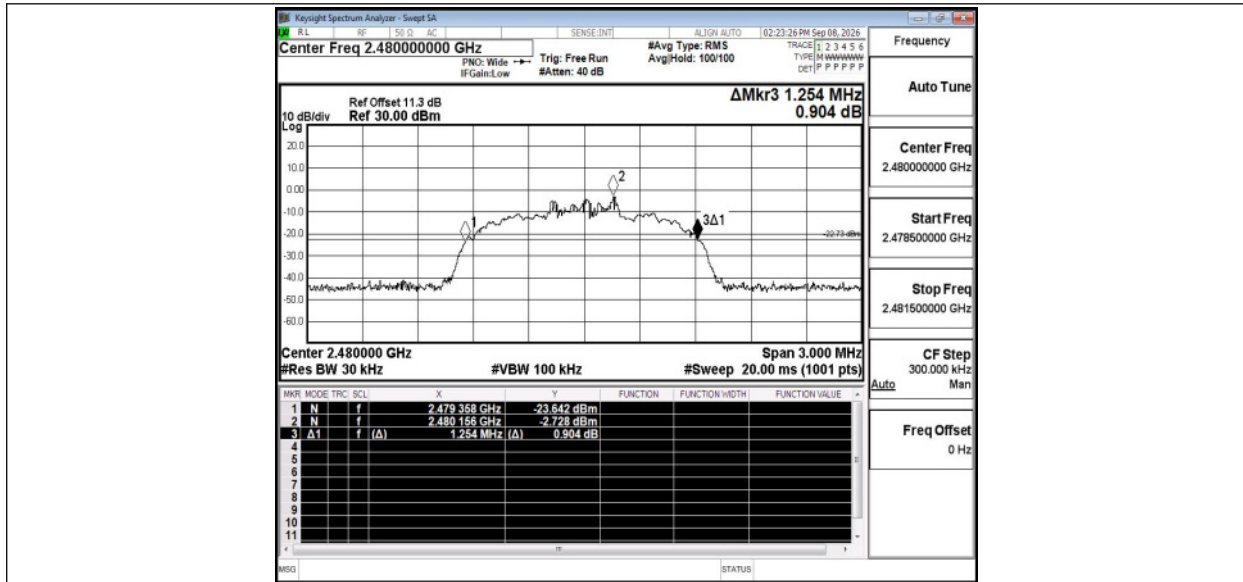
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



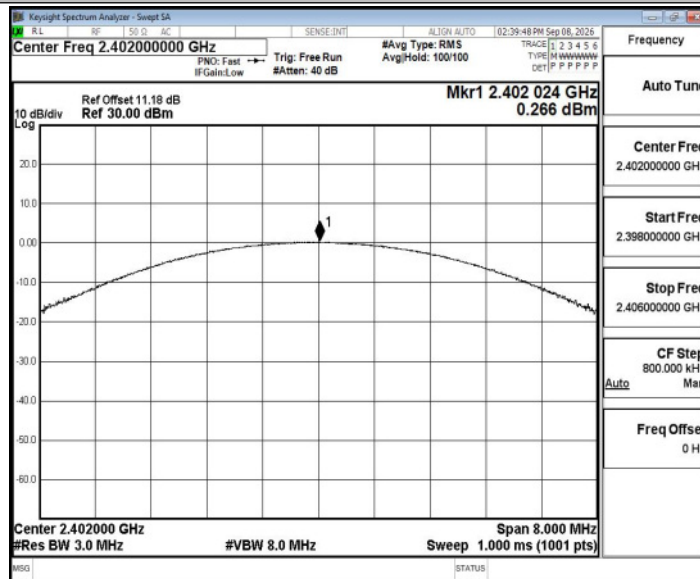
A.2 Maximum Peak conducted output power

Test Result Peak

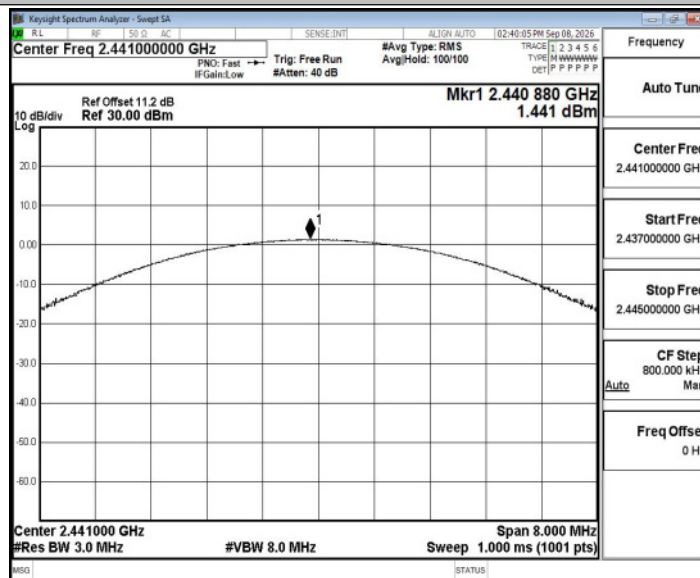
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.27	≤30	PASS
		2441	1.44	≤30	PASS
		2480	1.05	≤30	PASS
2DH5	Ant1	2402	-0.43	≤20.97	PASS
		2441	0.73	≤20.97	PASS
		2480	0.23	≤20.97	PASS
3DH5	Ant1	2402	-0.33	≤20.97	PASS
		2441	0.84	≤20.97	PASS
		2480	0.37	≤20.97	PASS

Test Graphs

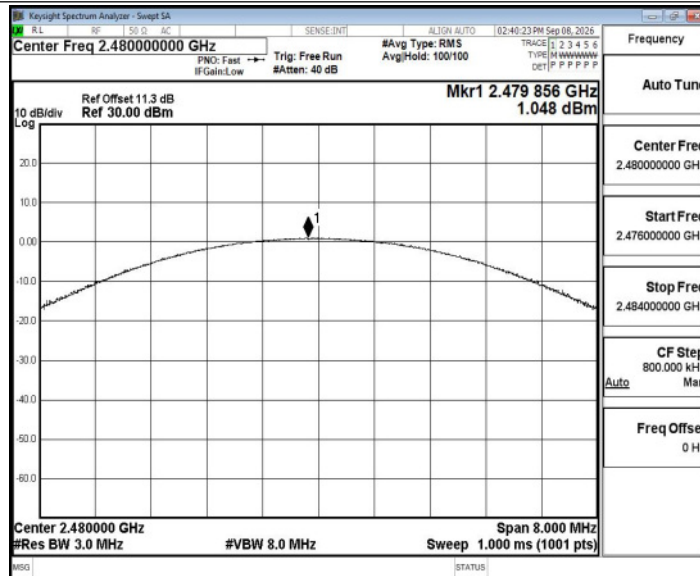
DH5_Ant1_2402



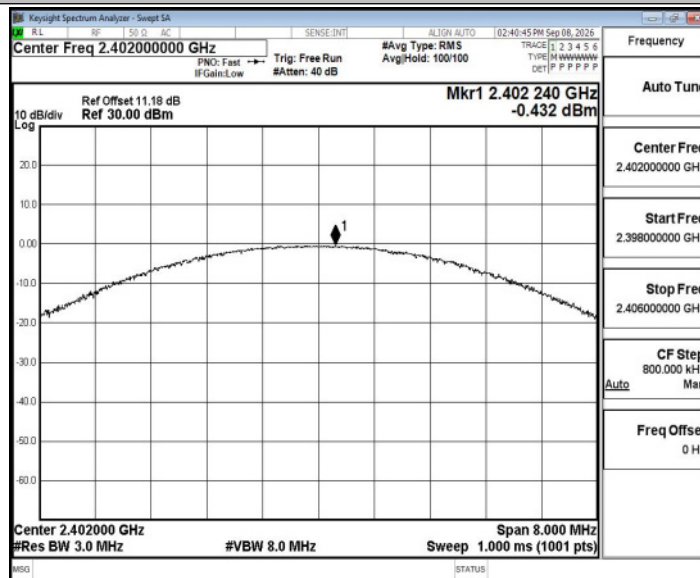
DH5_Ant1_2441



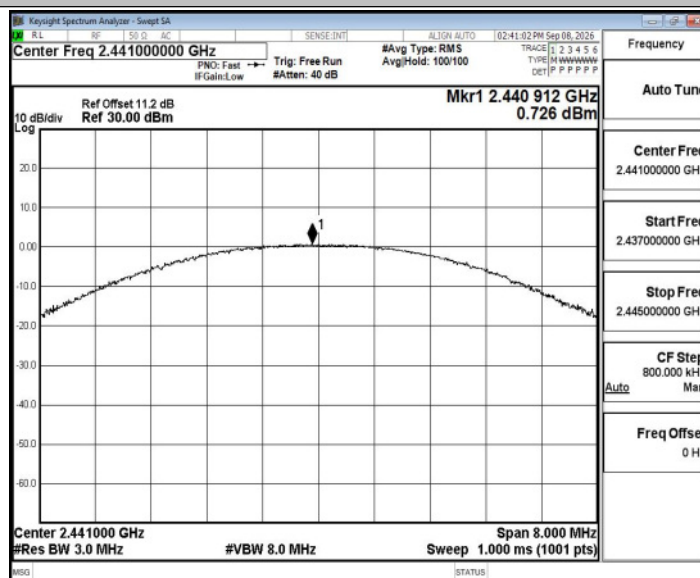
DH5_Ant1_2480



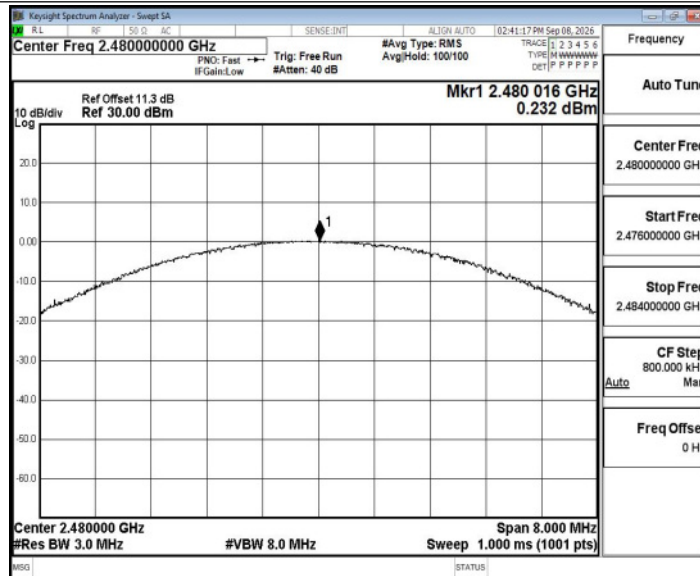
2DH5_Ant1_2402



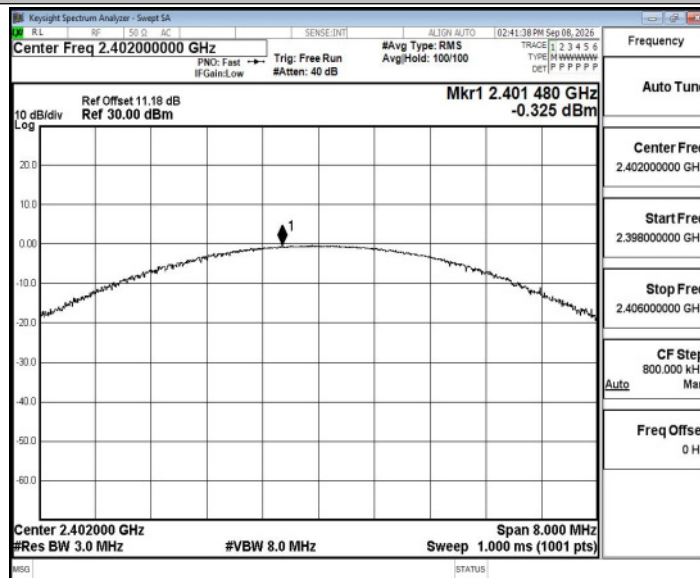
2DH5_Ant1_2441



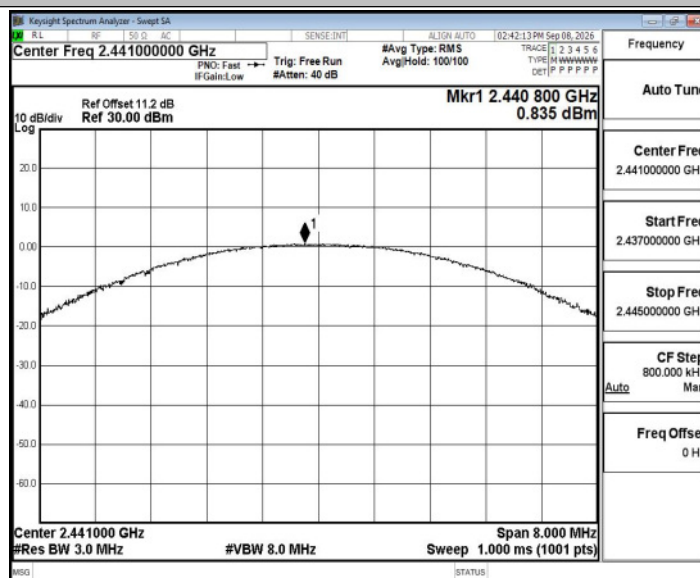
2DH5_Ant1_2480



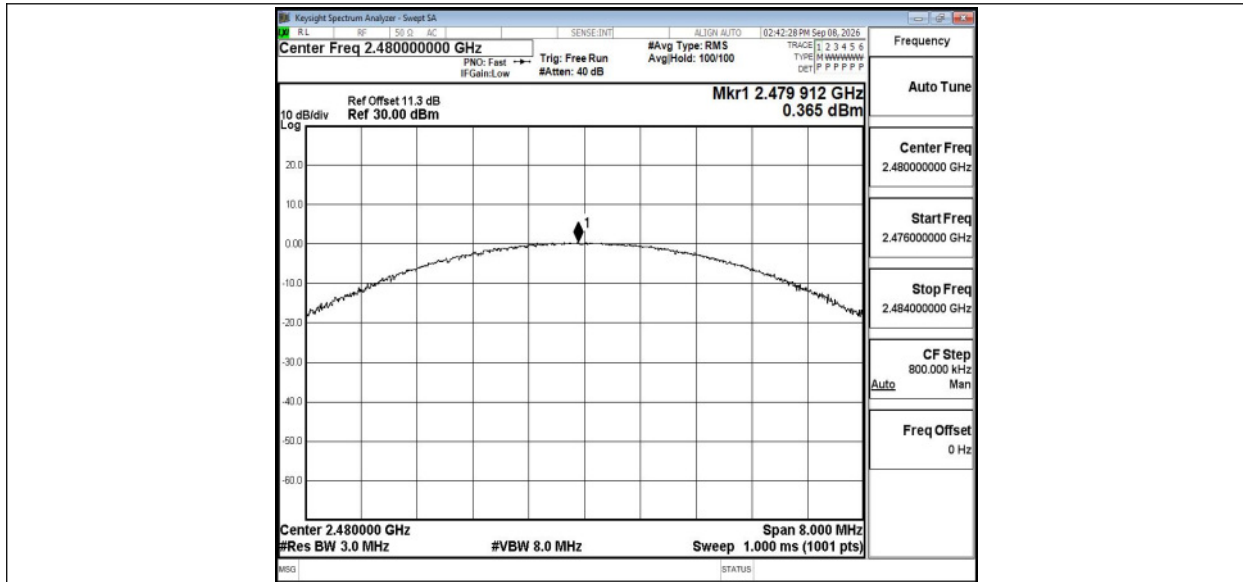
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



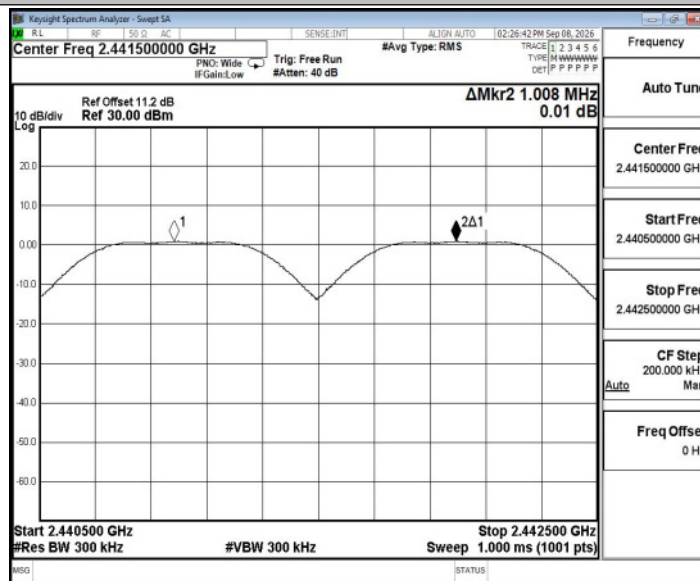
A.3 Carrier frequency separation

Test Result

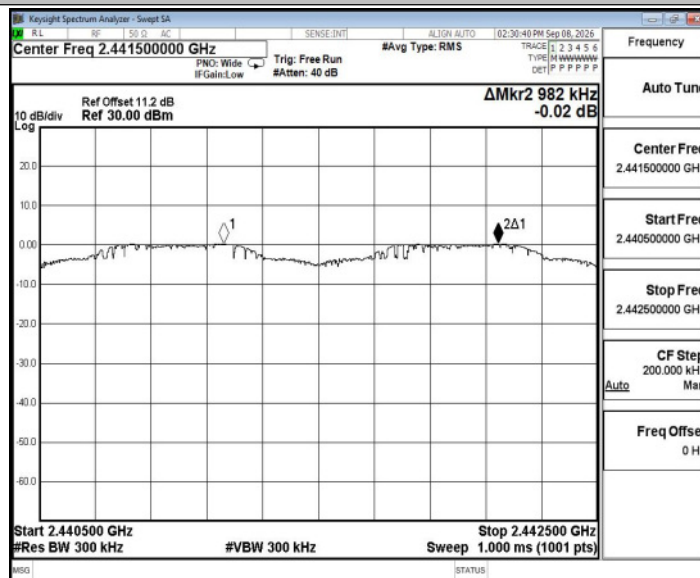
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.576	PASS
2DH5	Ant1	Hop	0.982	≥ 0.848	PASS
3DH5	Ant1	Hop	0.984	≥ 0.858	PASS

Test Graphs

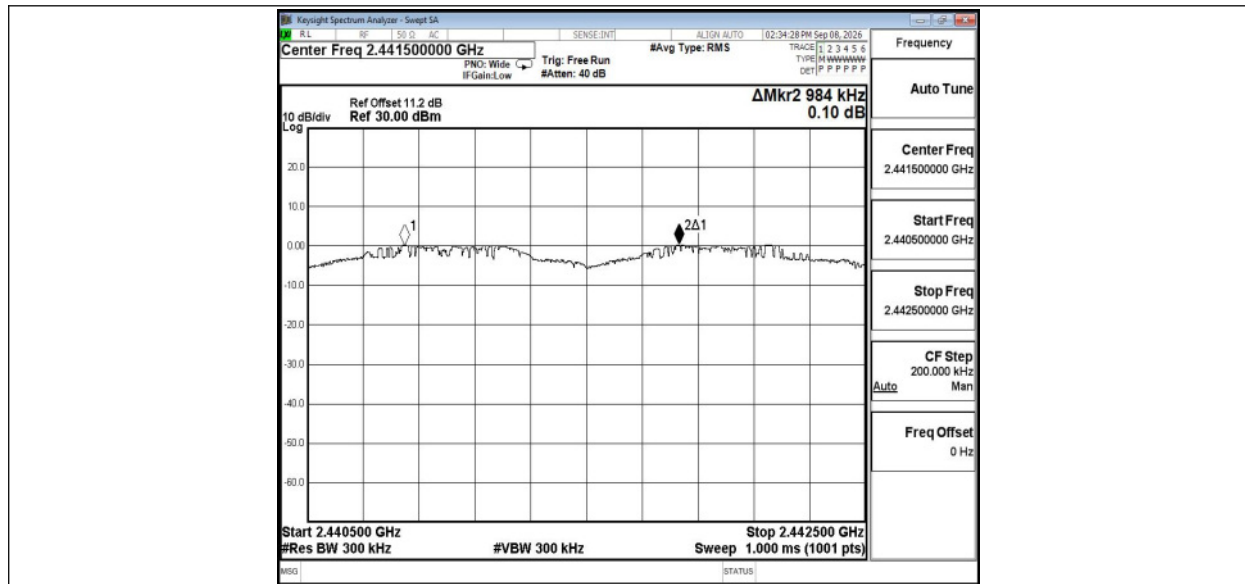
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



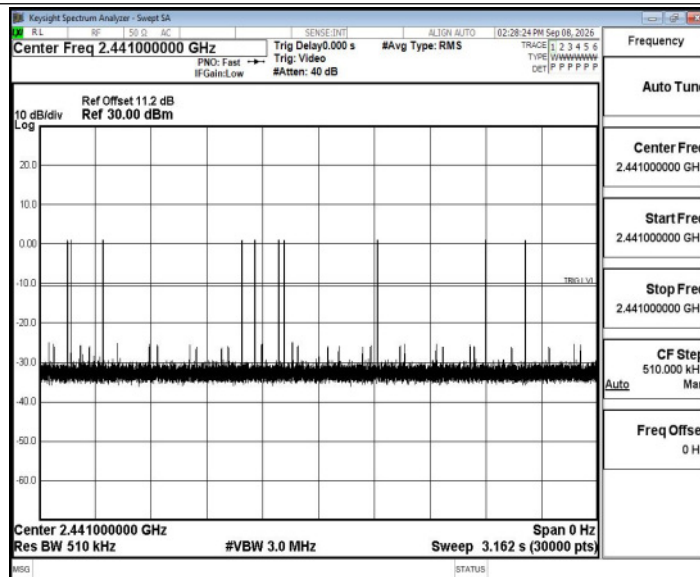
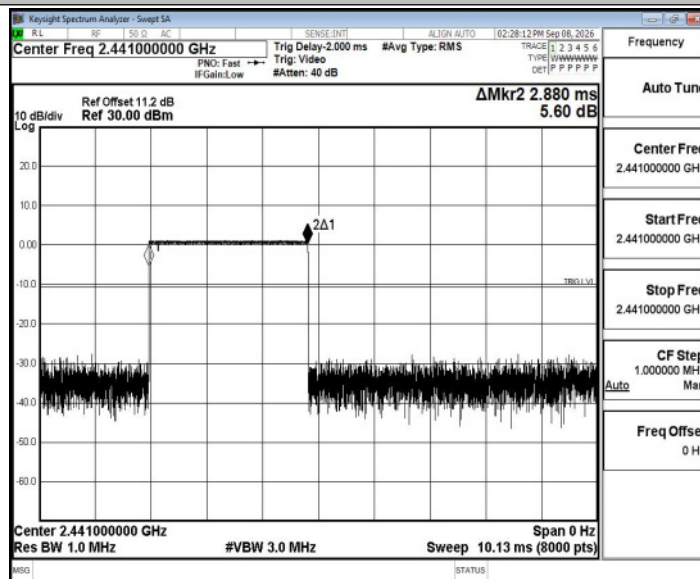
A4 Time of occupancy

Test Result

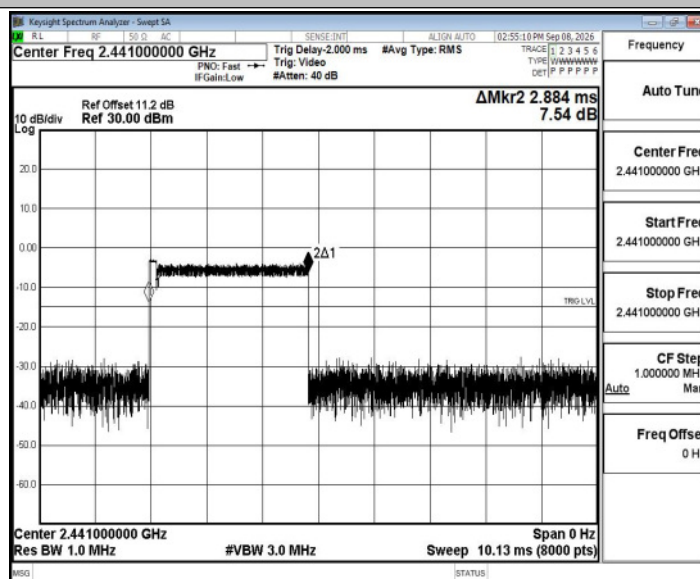
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.896	80	0.232	≤0.4	PASS

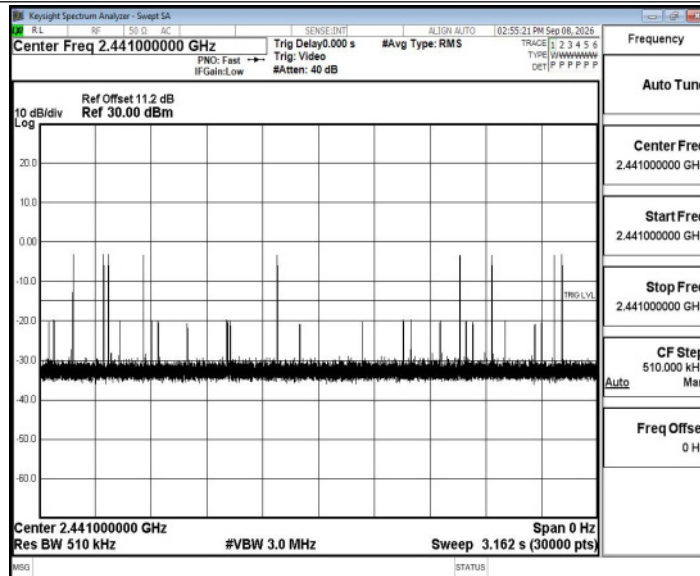
Test Graphs

DH5_Ant1_Hop

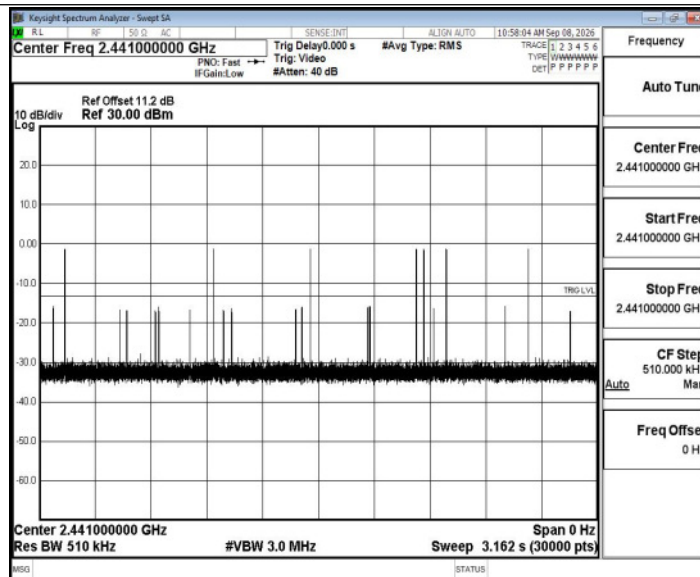
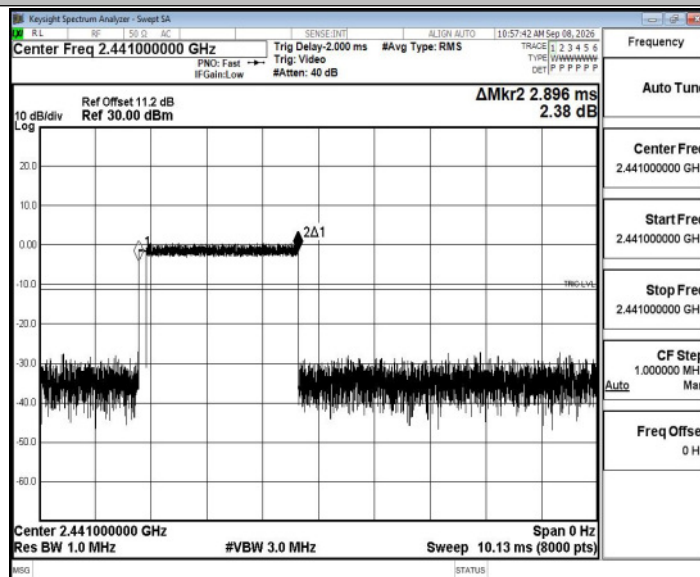


2DH5_Ant1_Hop





3DH5_Ant1_Hop



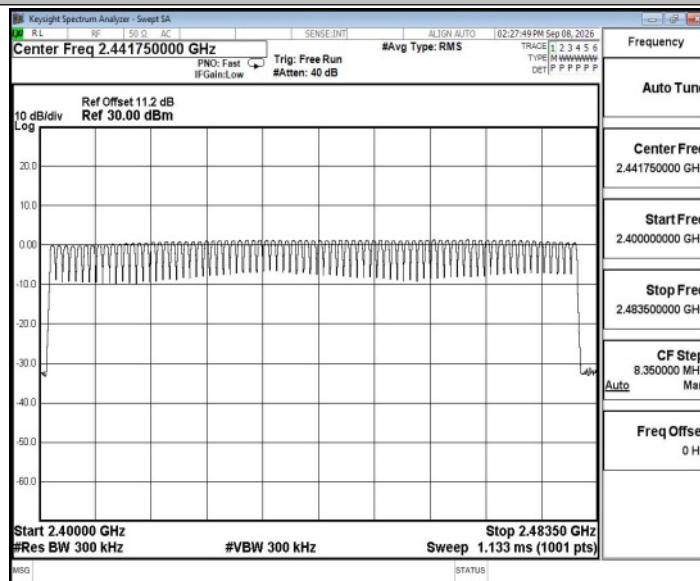
A.5 Number of hopping channels

Test Result

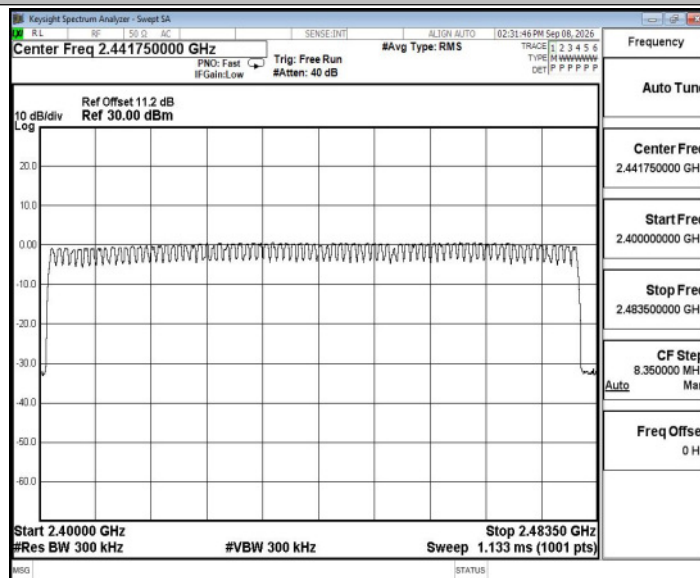
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

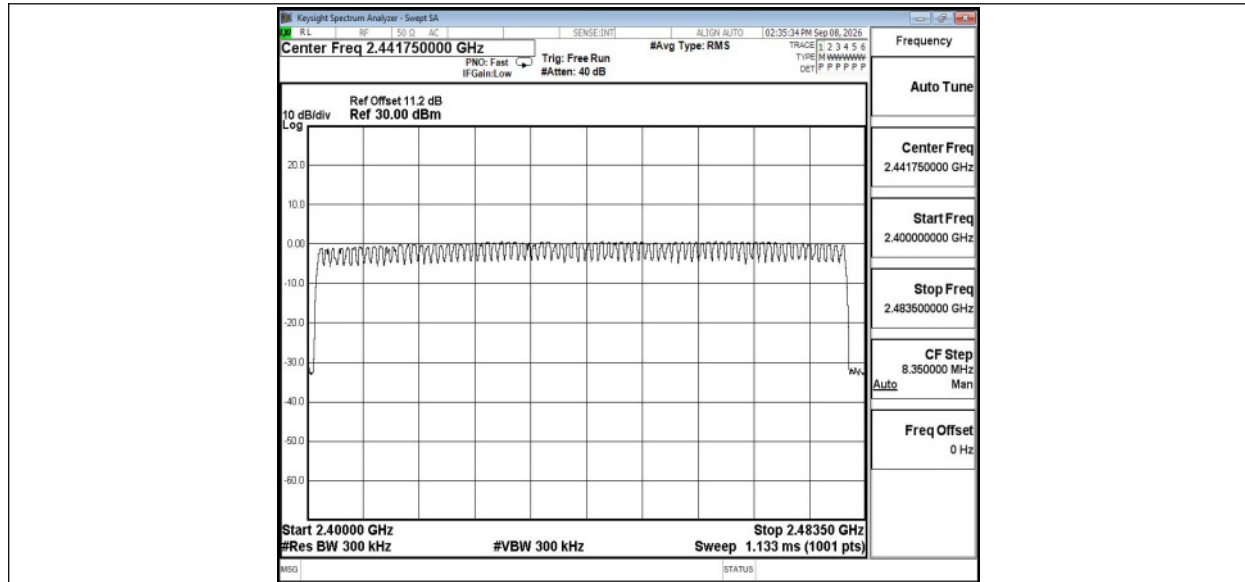
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



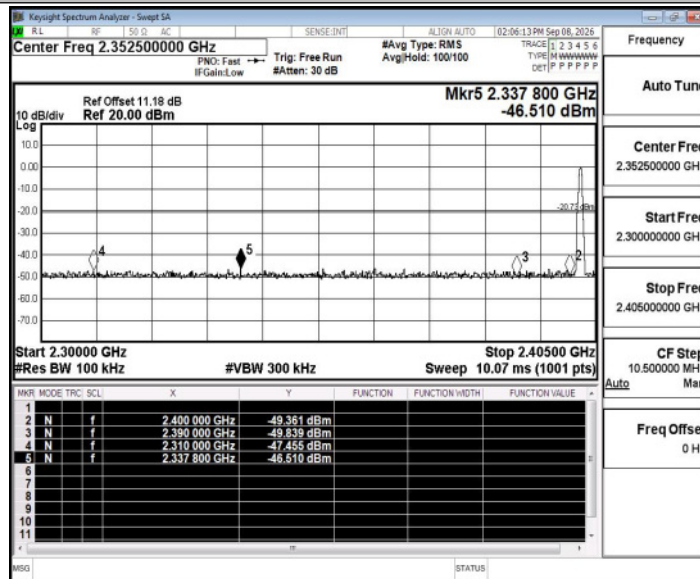
A.6 Band edge measurements

Test Result

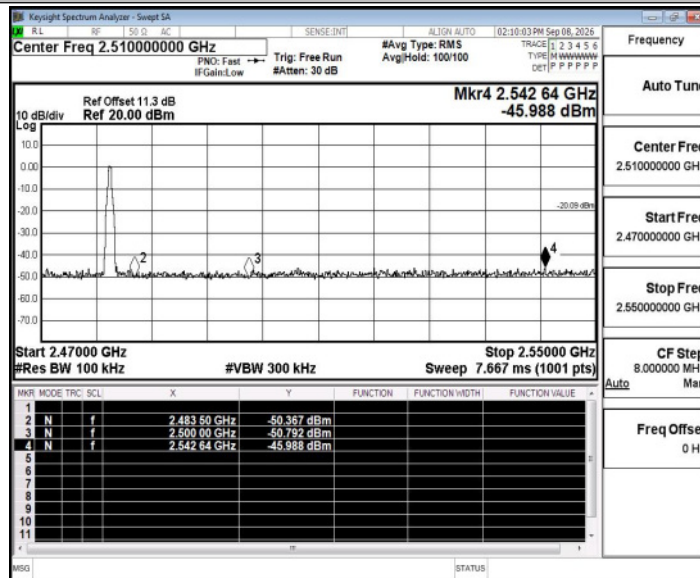
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.73	-46.51	≤-20.73	PASS
		High	2480	-0.09	-45.99	≤-20.09	PASS
		Low	Hop_2402	-0.72	-45.77	≤-20.72	PASS
		High	Hop_2480	0.81	-45.09	≤-19.19	PASS
2DH5	Ant1	Low	2402	-1.54	-44.95	≤-21.54	PASS
		High	2480	-0.41	-45.6	≤-20.41	PASS
		Low	Hop_2402	-1.60	-45.46	≤-21.6	PASS
		High	Hop_2480	-0.89	-44.27	≤-20.89	PASS
3DH5	Ant1	Low	2402	-1.37	-45.86	≤-21.37	PASS
		High	2480	-0.42	-45.11	≤-20.42	PASS
		Low	Hop_2402	-1.59	-46.26	≤-21.59	PASS
		High	Hop_2480	-1.12	-44.98	≤-21.12	PASS

Test Graphs

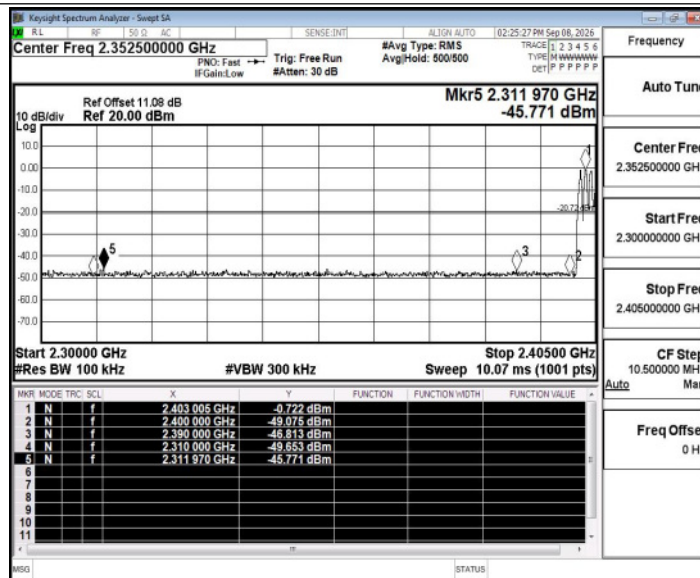
DH5_Ant1_Low_2402



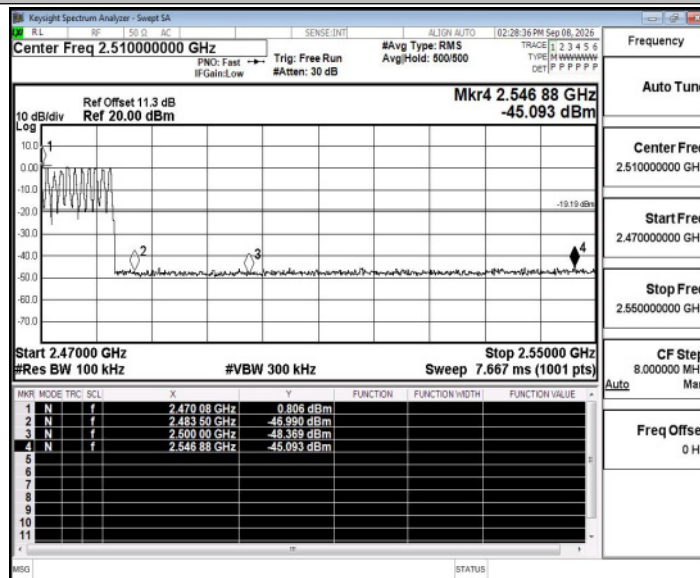
DH5_Ant1_High_2480



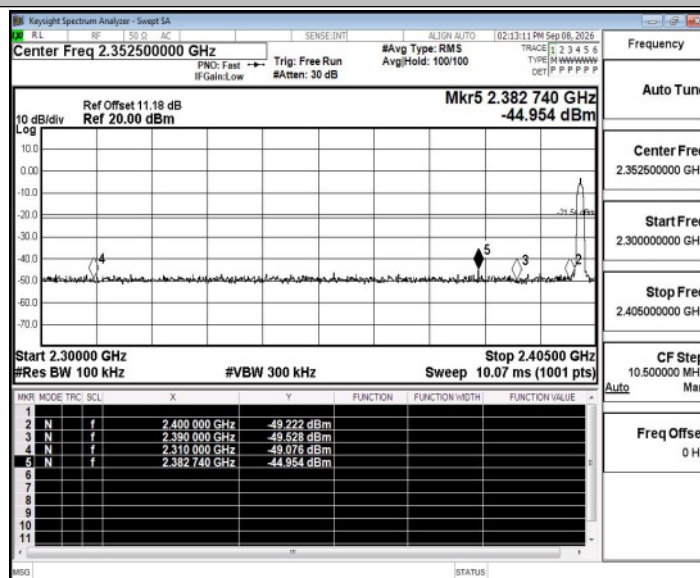
DH5_Ant1_Low_Hop_2402



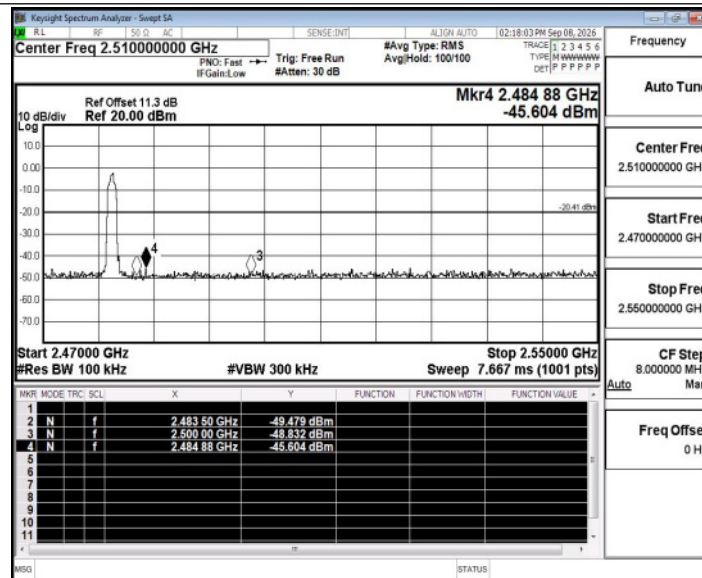
DH5_Ant1_High_Hop_2480



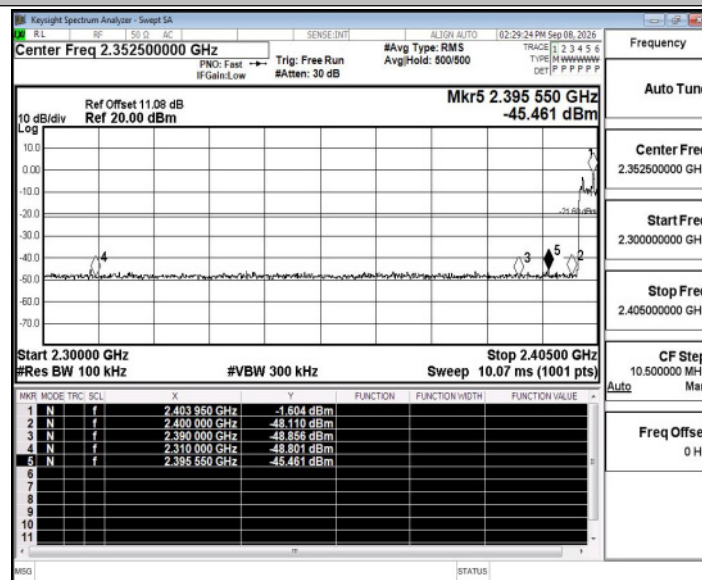
2DH5_Ant1_Low_2402



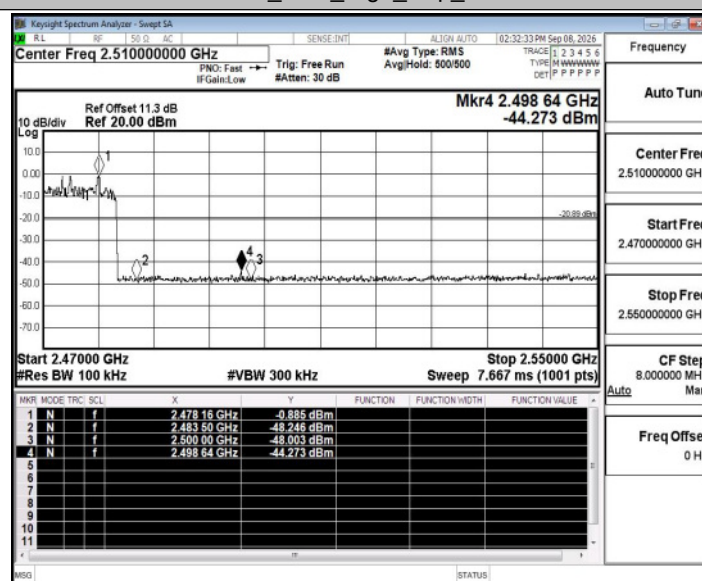
2DH5_Ant1_High_2480



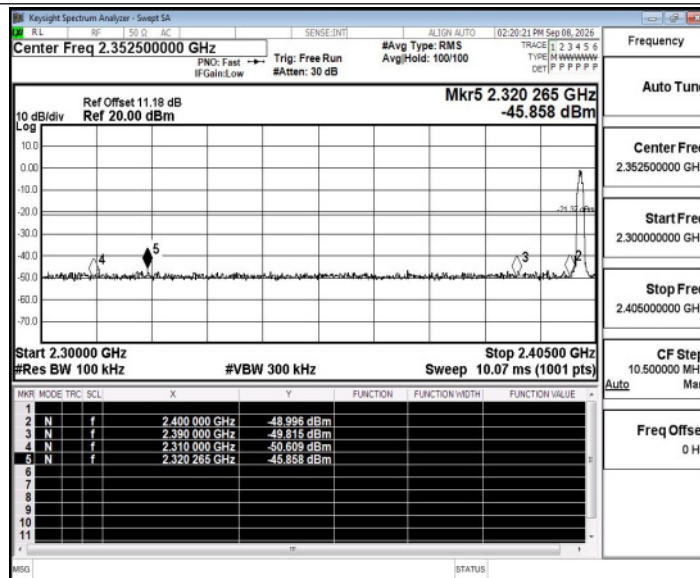
2DH5_Ant1_Low_Hop_2402



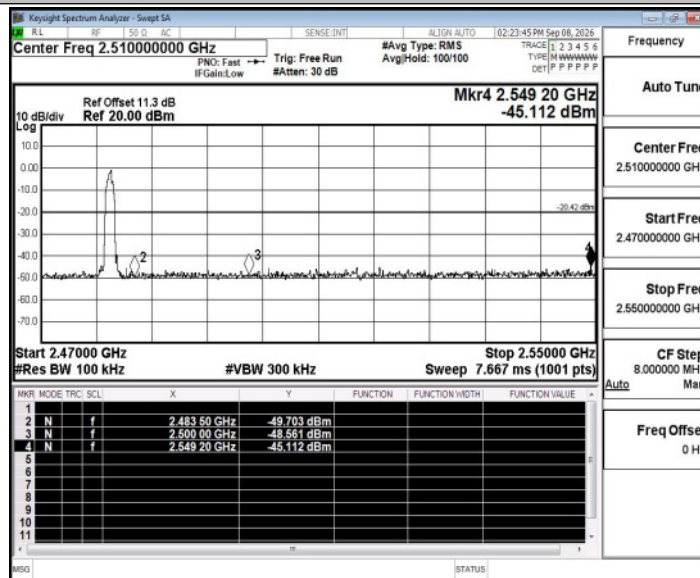
2DH5_Ant1_High_Hop_2480



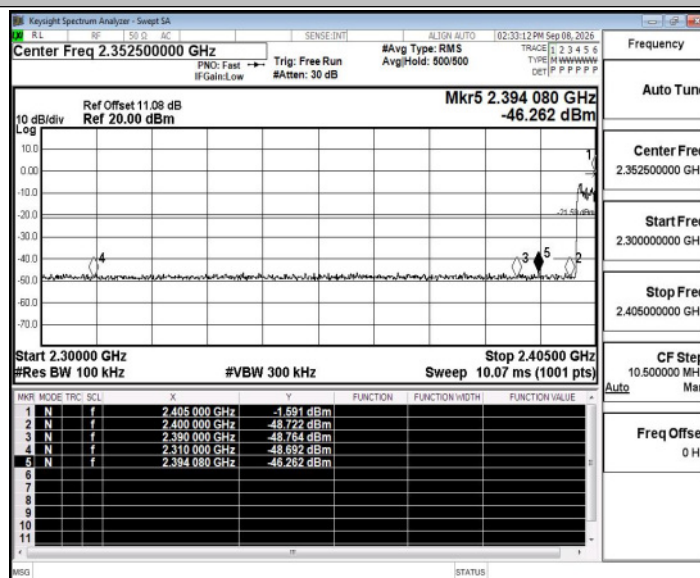
3DH5_Ant1_Low_2402



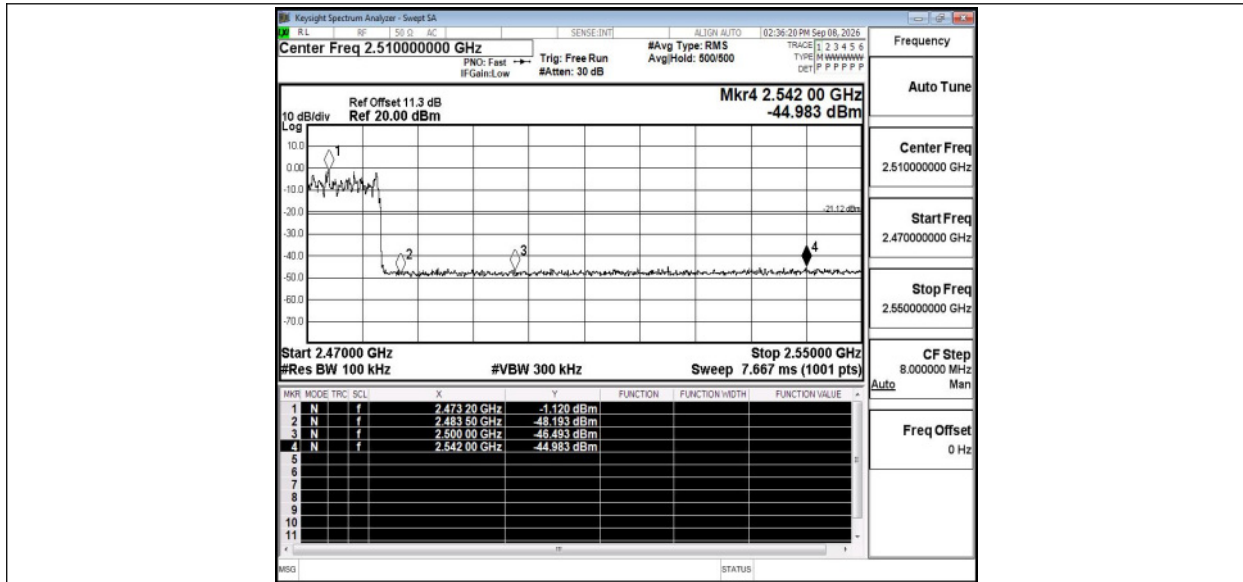
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



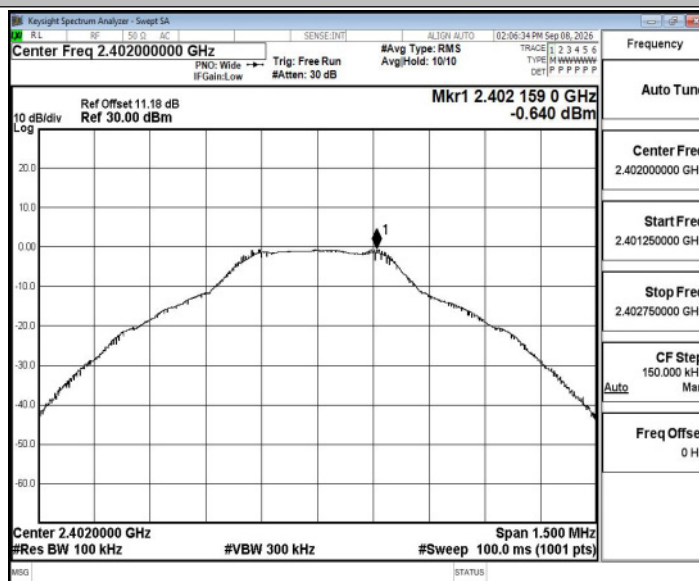
A.7 Conducted Spurious Emission

Test Result

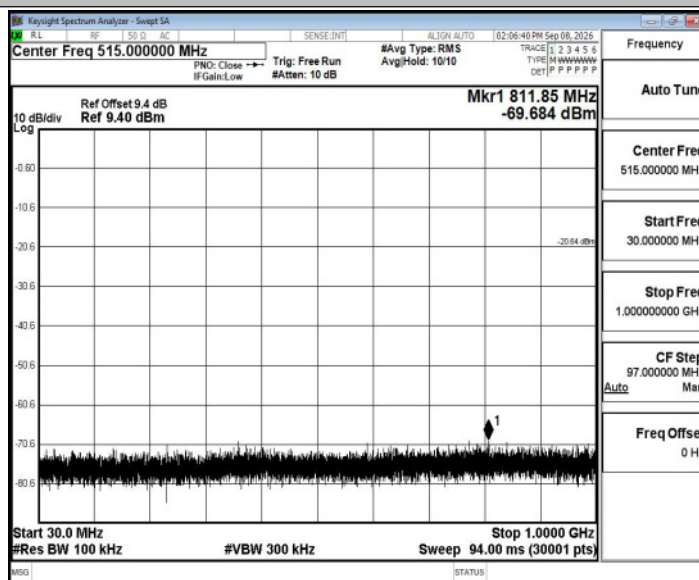
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-69.68	≤-20.64	PASS
			1000~26500	-0.64	-43.77	≤-20.64	PASS
		2441	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-69.68	≤-19.43	PASS
			1000~26500	0.57	-44.71	≤-19.43	PASS
		2480	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-69.27	≤-19.89	PASS
			1000~26500	0.11	-44.73	≤-19.89	PASS
2DH5	Ant1	2402	Reference	-1.13	-1.13	---	PASS
			30~1000	-1.13	-69.5	≤-21.13	PASS
			1000~26500	-1.13	-44.58	≤-21.13	PASS
		2441	Reference	0.07	0.07	---	PASS
			30~1000	0.07	-69.53	≤-19.93	PASS
			1000~26500	0.07	-44.59	≤-19.93	PASS
		2480	Reference	-0.37	-0.37	---	PASS
			30~1000	-0.37	-70.17	≤-20.37	PASS
			1000~26500	-0.37	-44.59	≤-20.37	PASS
3DH5	Ant1	2402	Reference	-1.08	-1.08	---	PASS
			30~1000	-1.08	-68.81	≤-21.08	PASS
			1000~26500	-1.08	-45.1	≤-21.08	PASS
		2441	Reference	0.08	0.08	---	PASS
			30~1000	0.08	-69.02	≤-19.92	PASS
			1000~26500	0.08	-44.36	≤-19.92	PASS
		2480	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-69.32	≤-20.4	PASS
			1000~26500	-0.40	-44.69	≤-20.4	PASS

Test Graphs

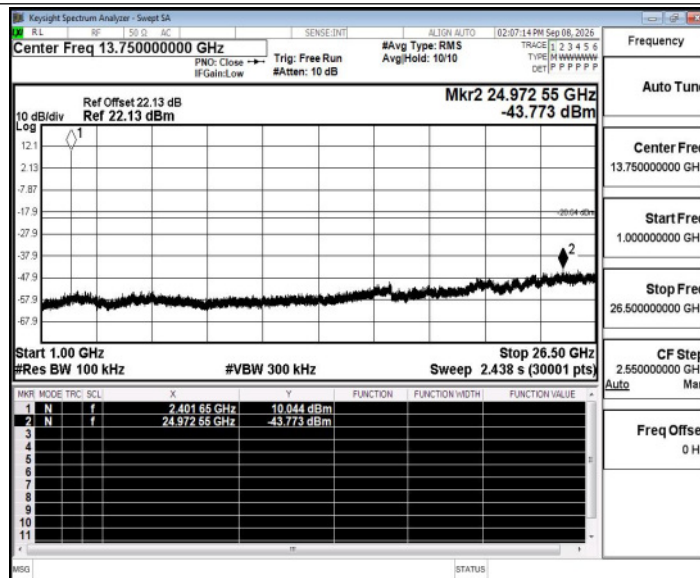
DH5_Ant1_2402_0~Reference



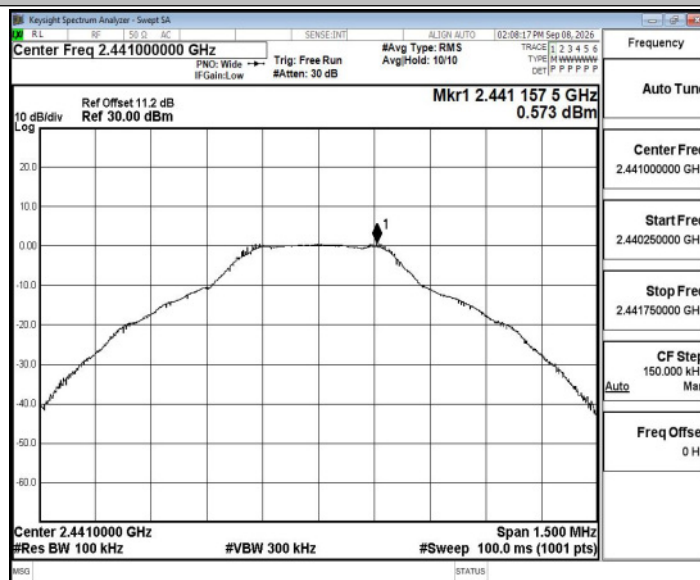
DH5_Ant1_2402_30~1000



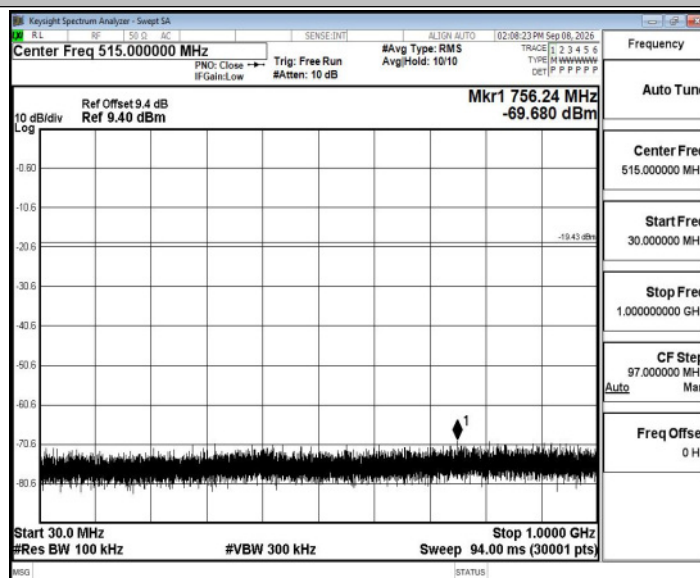
DH5_Ant1_2402_1000~26500



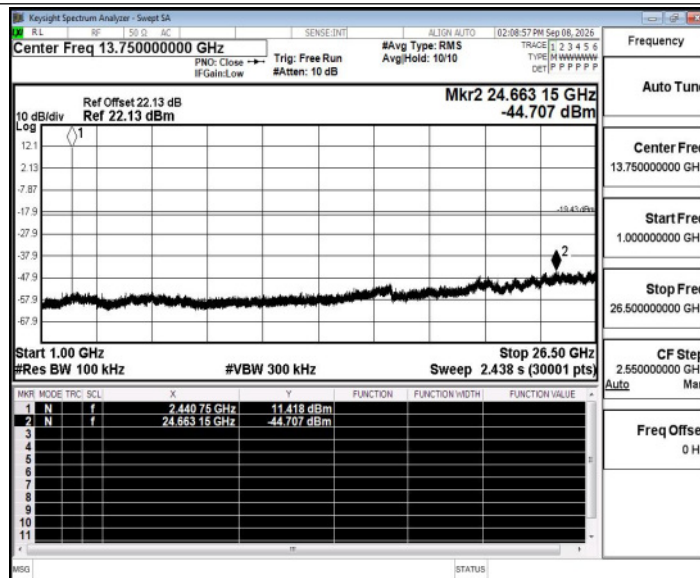
DH5_Ant1_2441_0~Reference



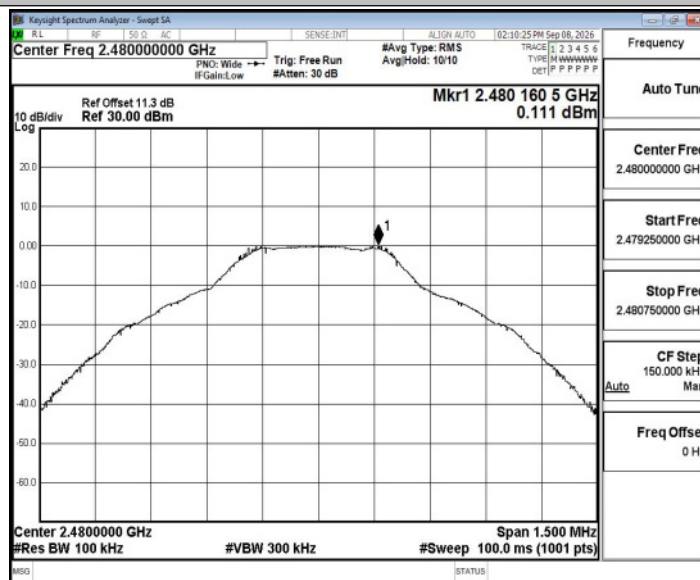
DH5_Ant1_2441_30~1000



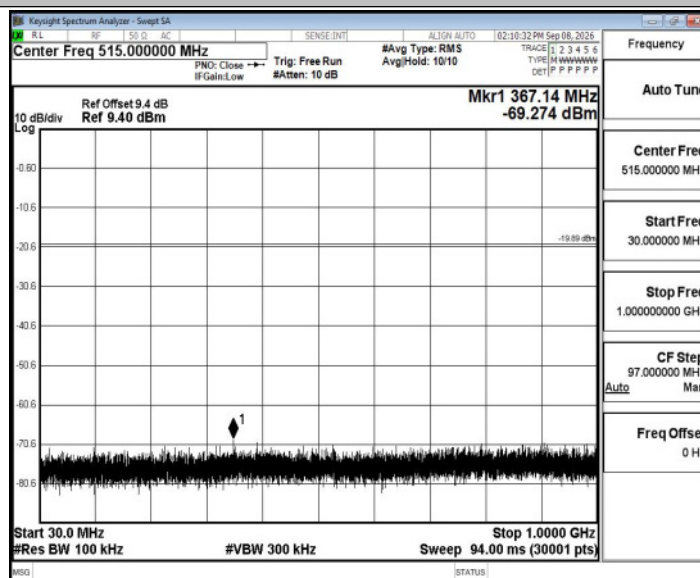
DH5_Ant1_2441_1000~26500



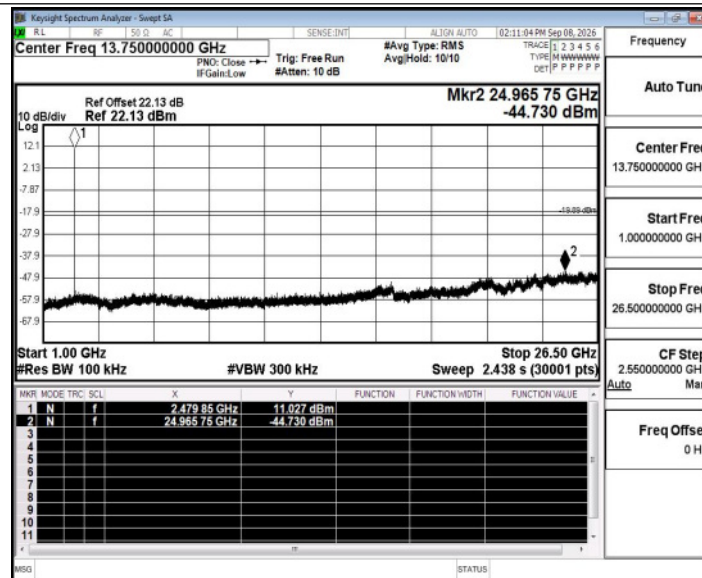
DH5_Ant1_2480_0~Reference



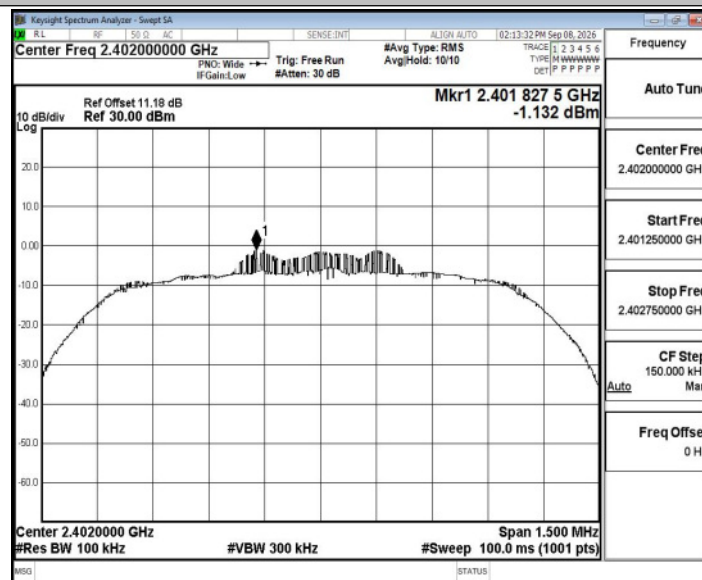
DH5_Ant1_2480_30~1000



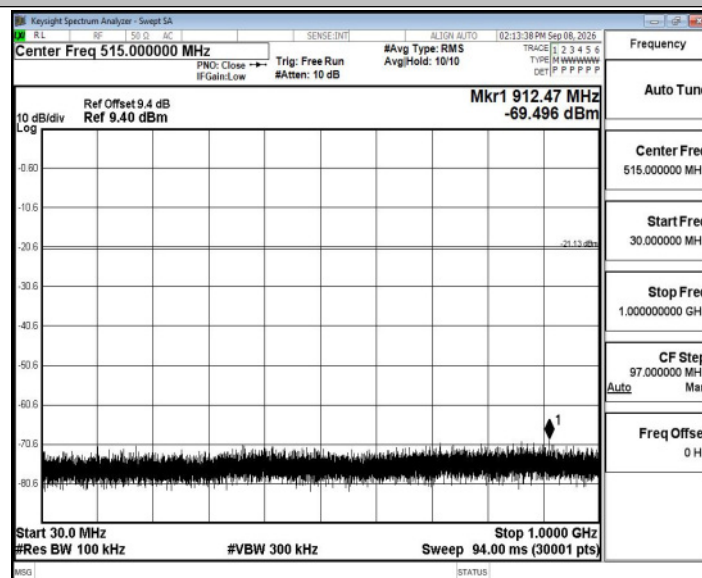
DH5_Ant1_2480_1000~26500



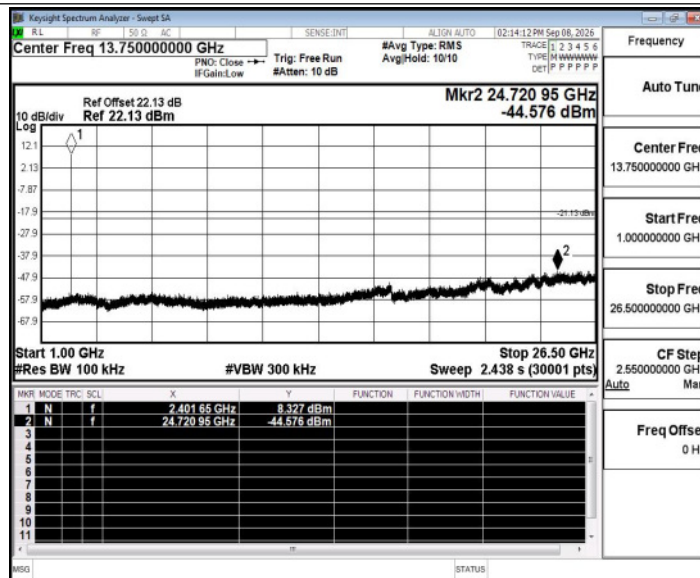
2DH5_Ant1_2402_0~Reference



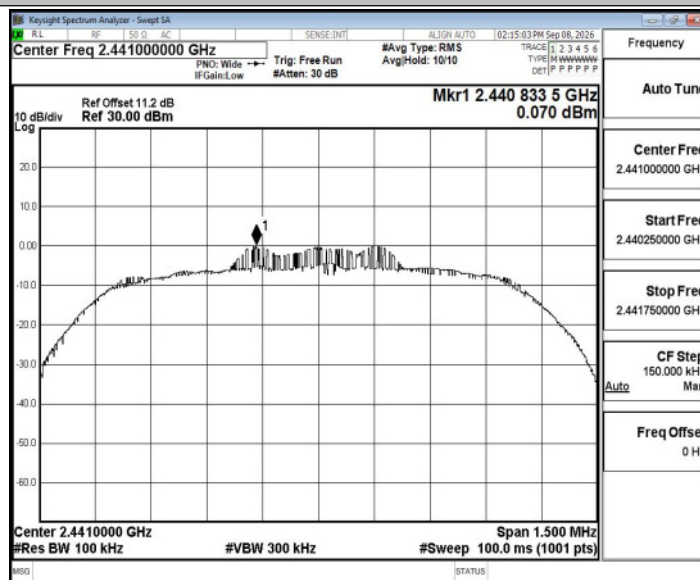
2DH5_Ant1_2402_30~1000



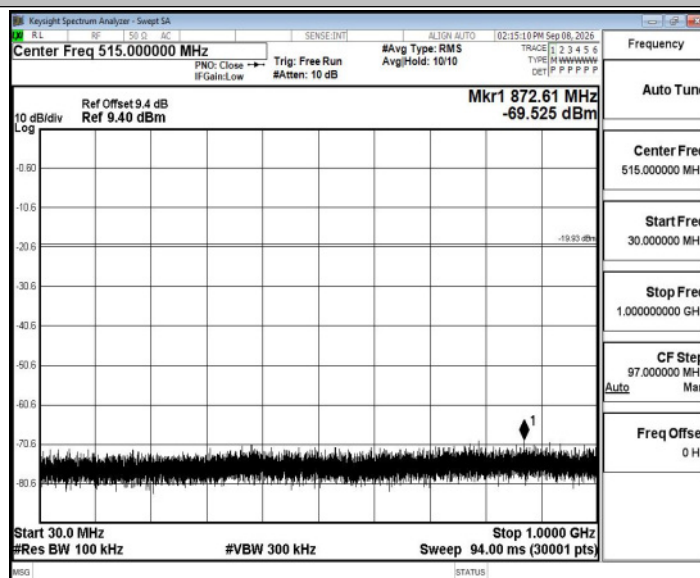
2DH5_Ant1_2402_1000~26500



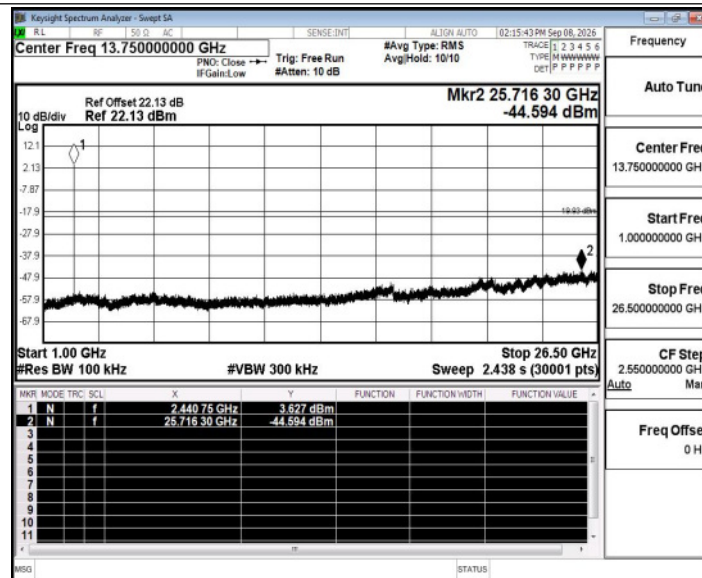
2DH5_Ant1_2441_0~Reference



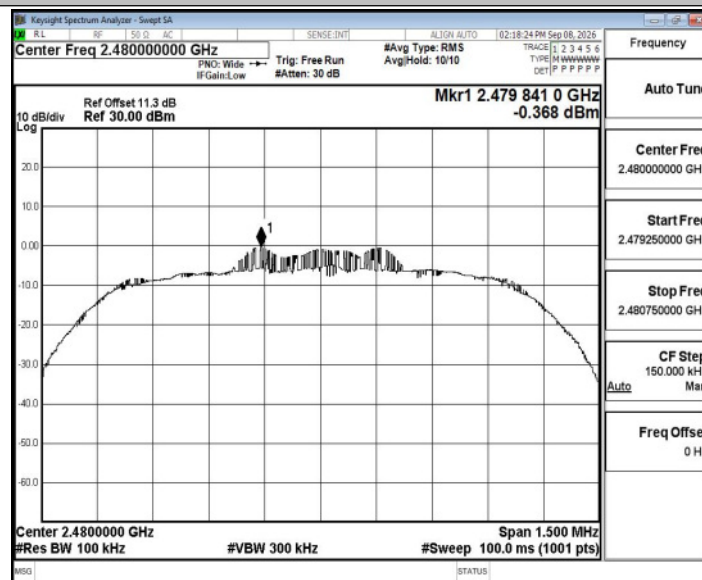
2DH5_Ant1_2441_30~1000



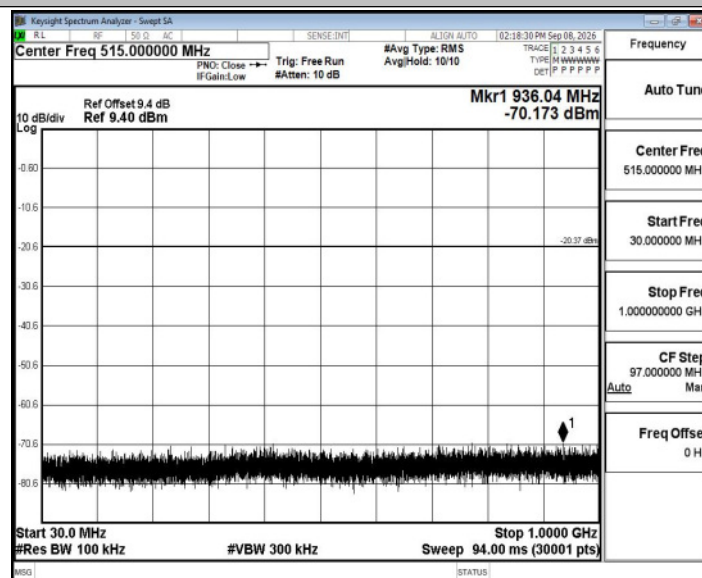
2DH5_Ant1_2441_1000~26500



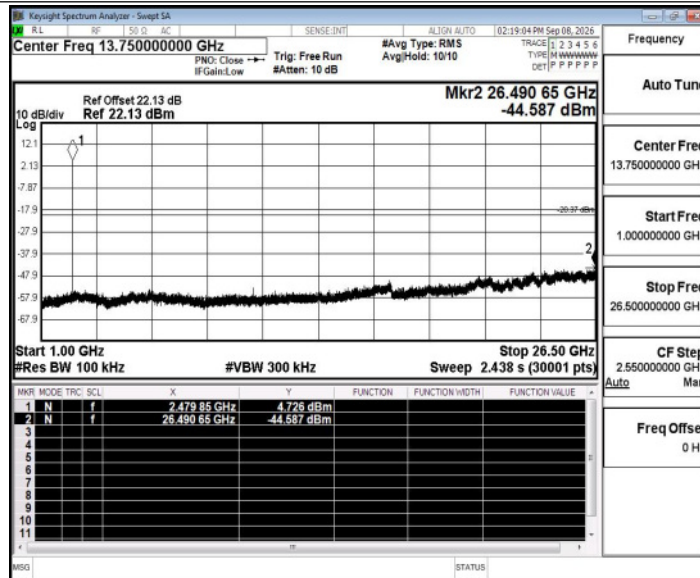
2DH5_Ant1_2480_0~Reference



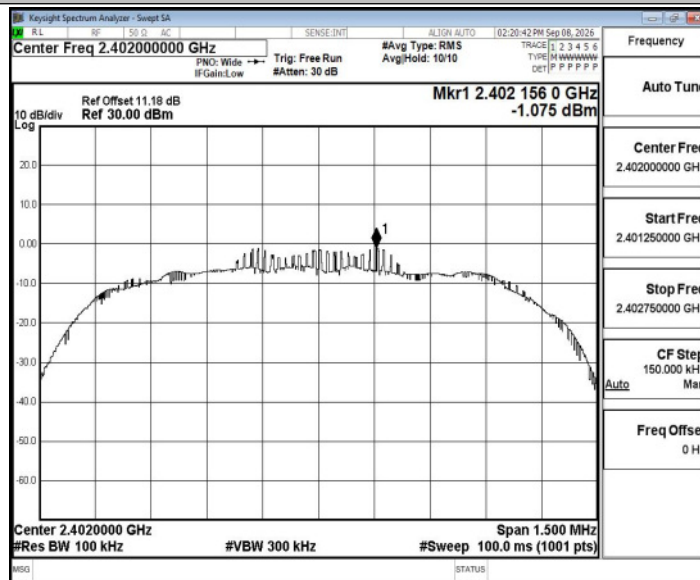
2DH5_Ant1_2480_30~1000



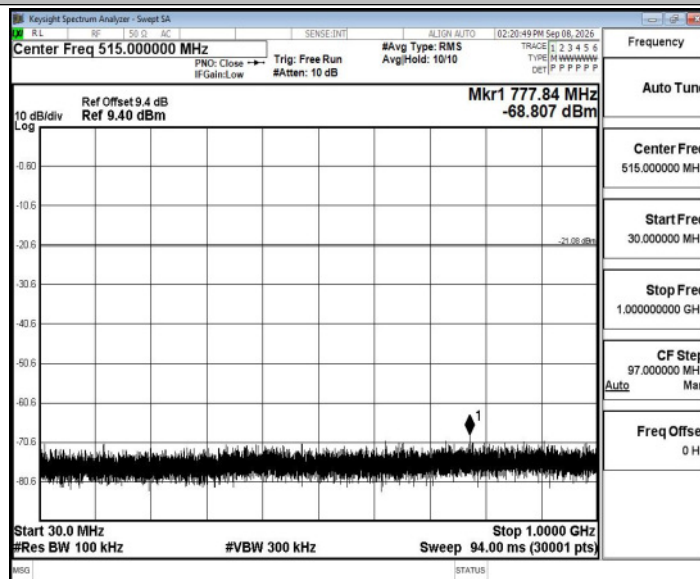
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500