

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: SCOUT RECORD PLAYER

Test Model: CR6042A-NA

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

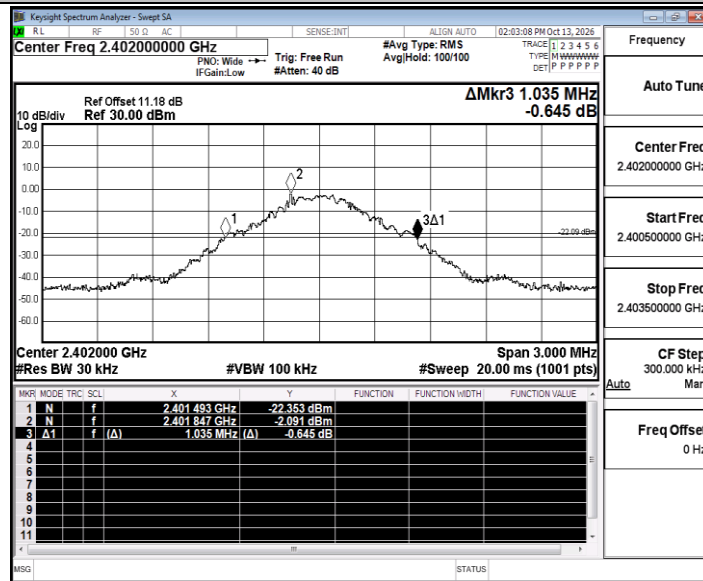
A.1 20dB Emission Bandwidth

Test Result

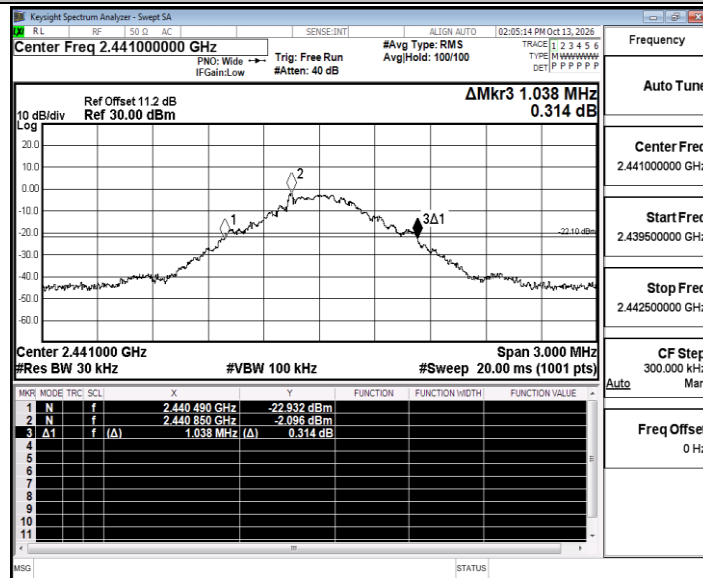
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.035	2401.493	2402.528	---	---
		2441	1.038	2440.490	2441.528	---	---
		2480	1.044	2479.487	2480.531	---	---
2DH5	Ant1	2402	1.332	2401.346	2402.678	---	---
		2441	1.335	2440.343	2441.678	---	---
		2480	1.347	2479.340	2480.687	---	---
3DH5	Ant1	2402	1.299	2401.361	2402.660	---	---
		2441	1.290	2440.364	2441.654	---	---
		2480	1.290	2479.358	2480.648	---	---

Test Graphs

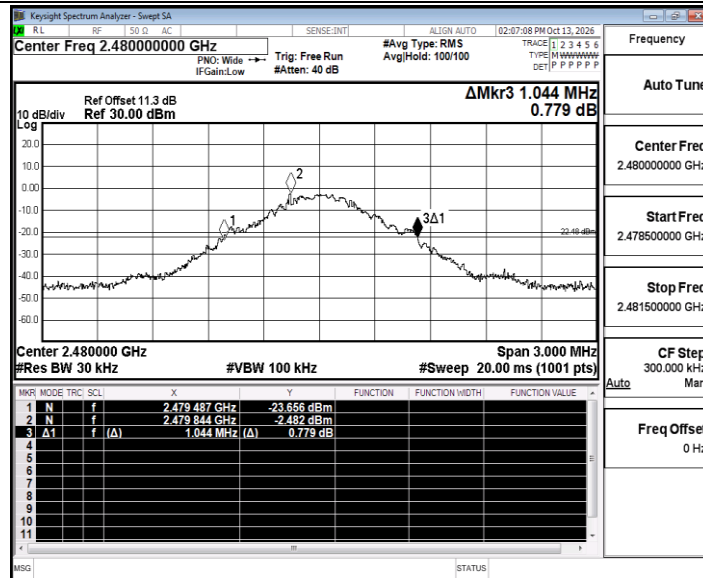
DH5_Ant1_2402



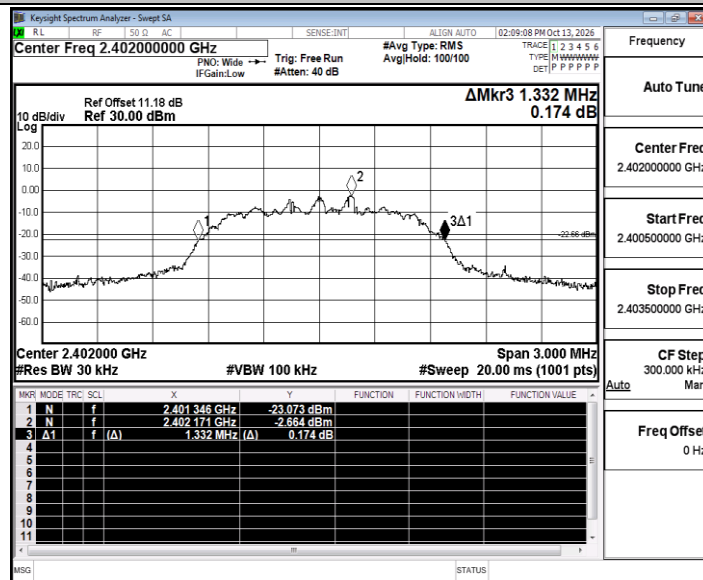
DH5_Ant1_2441



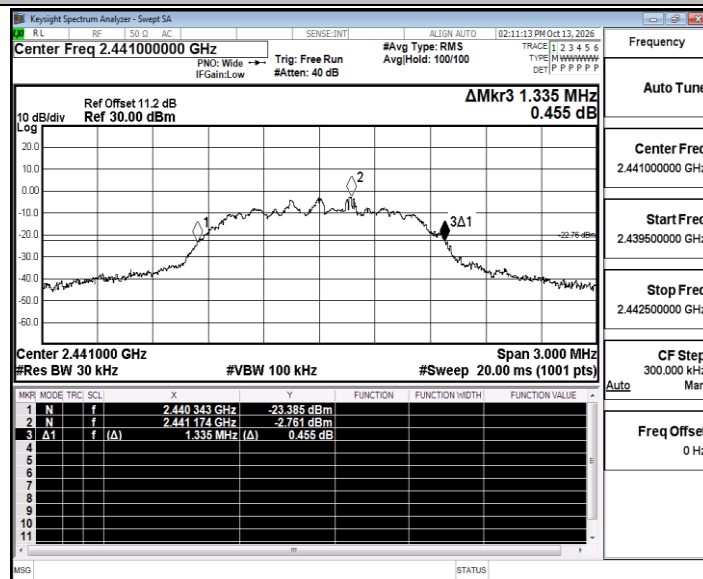
DH5_Ant1_2480



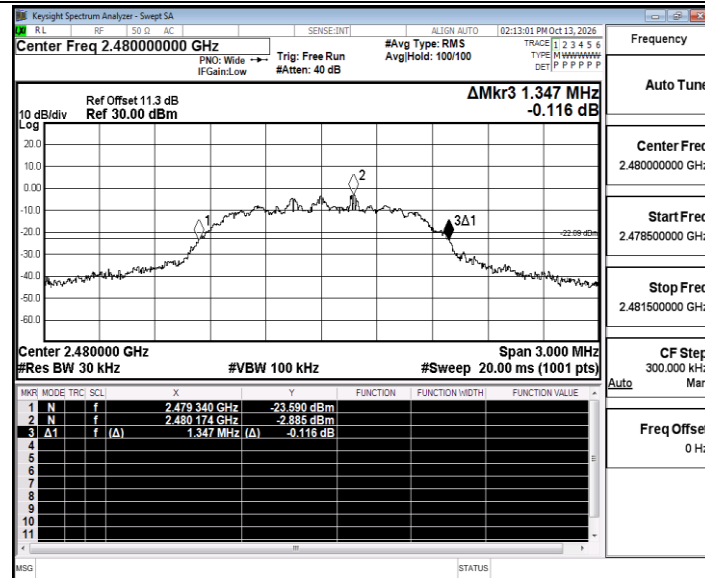
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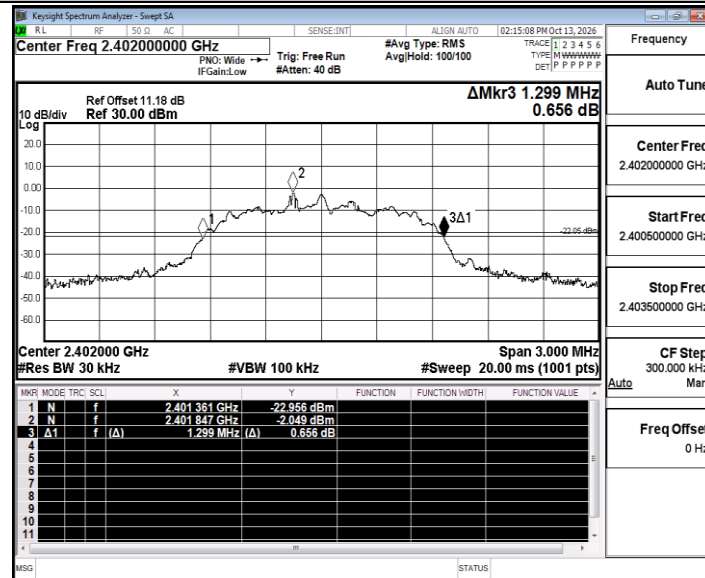
2DH5_Ant1_2441



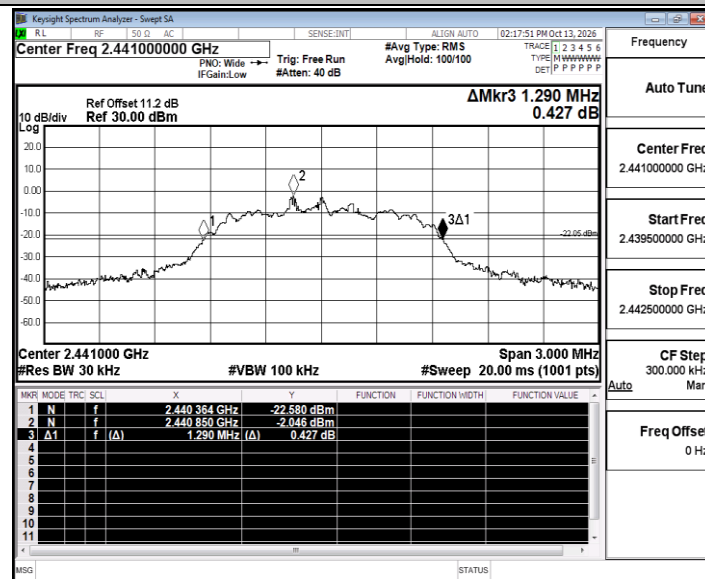
2DH5_Ant1_2480



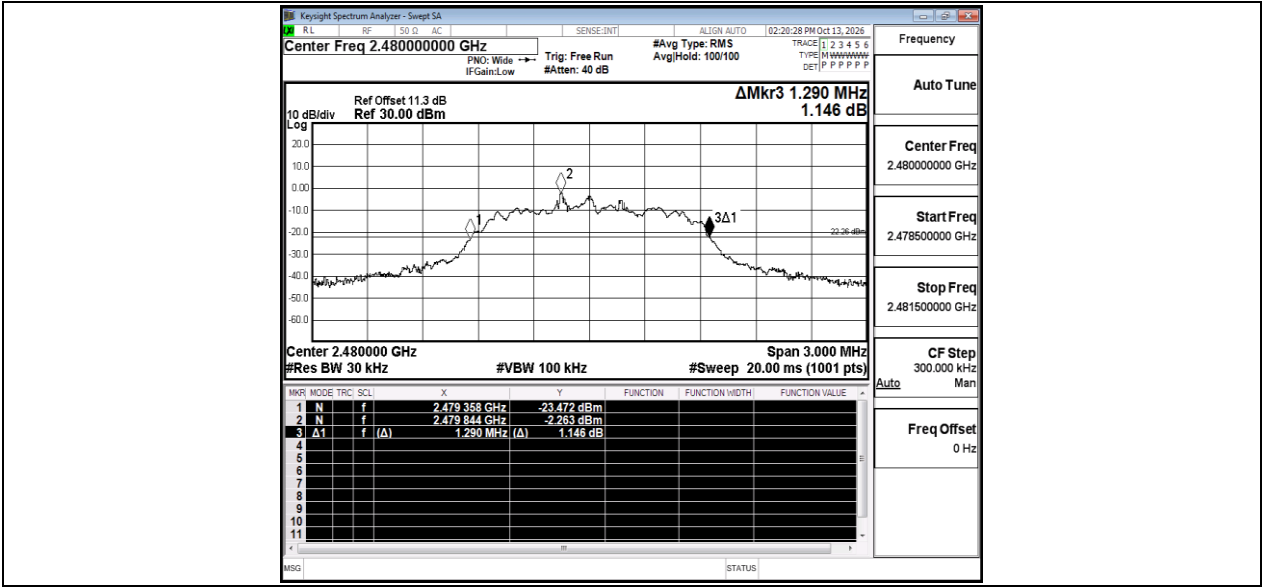
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



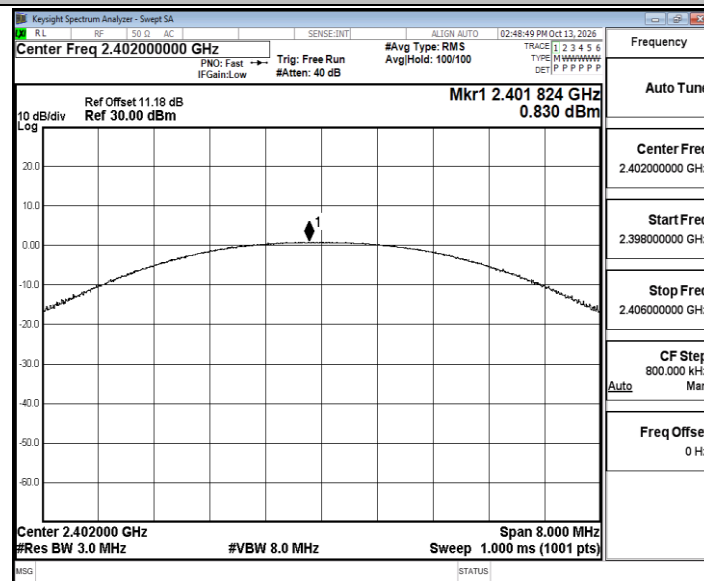
A.2 Maximum Peak conducted output power

Test Result Peak

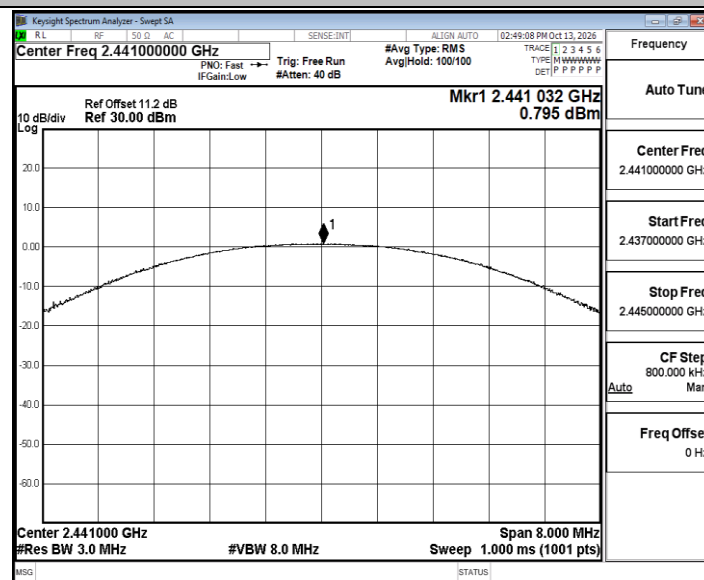
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.83	≤30	PASS
		2441	0.80	≤30	PASS
		2480	0.77	≤30	PASS
2DH5	Ant1	2402	1.47	≤20.97	PASS
		2441	1.58	≤20.97	PASS
		2480	1.53	≤20.97	PASS
3DH5	Ant1	2402	1.74	≤20.97	PASS
		2441	1.76	≤20.97	PASS
		2480	1.79	≤20.97	PASS

Test Graphs

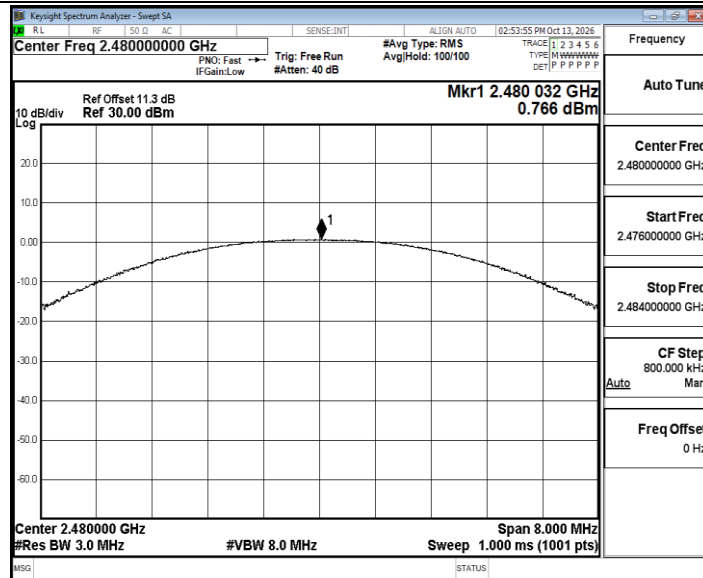
DH5_Ant1_2402



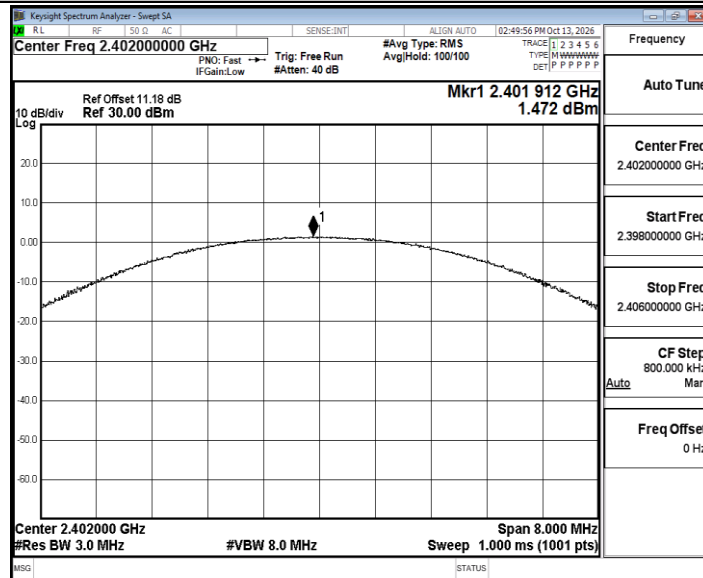
DH5_Ant1_2441



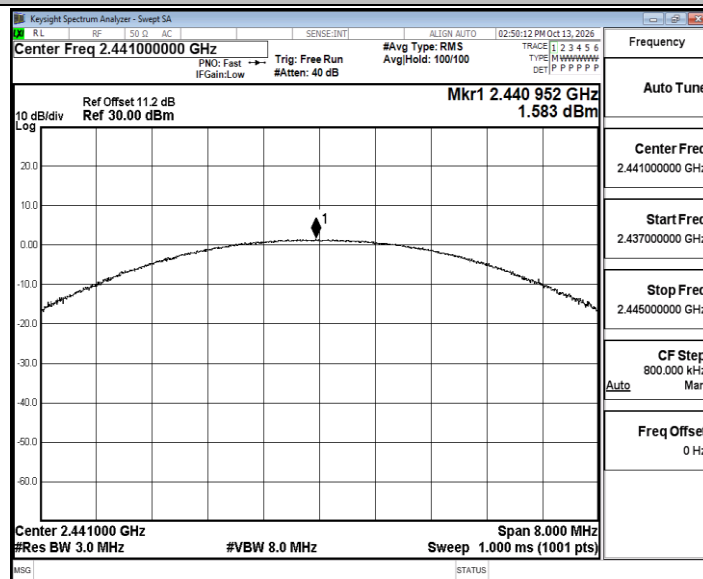
DH5_Ant1_2480



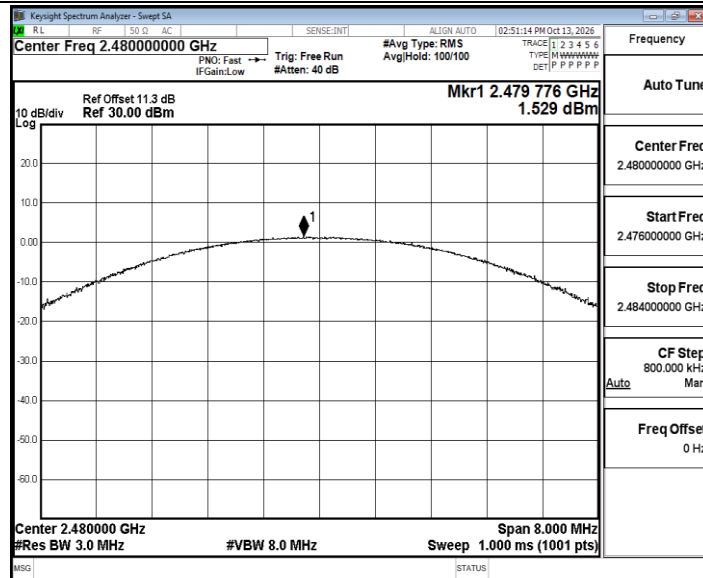
2DH5_Ant1_2402



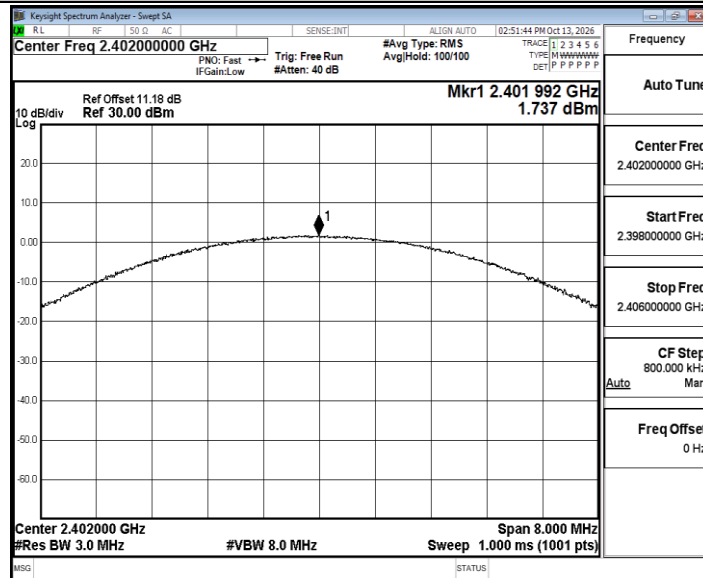
2DH5_Ant1_2441



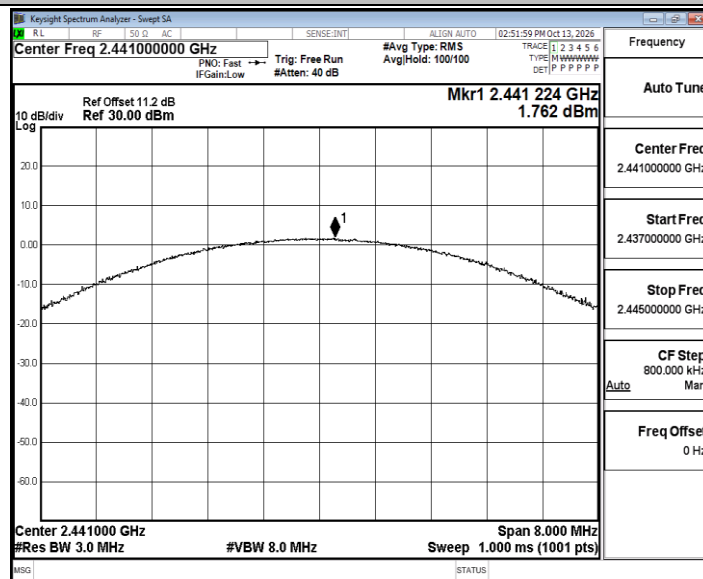
2DH5_Ant1_2480



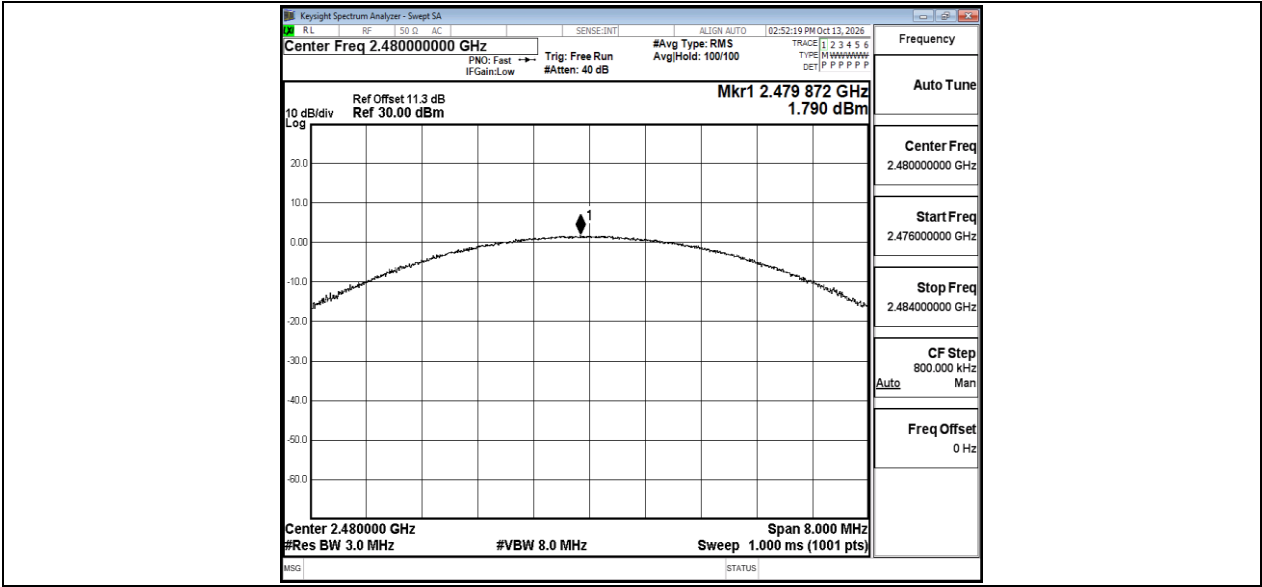
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

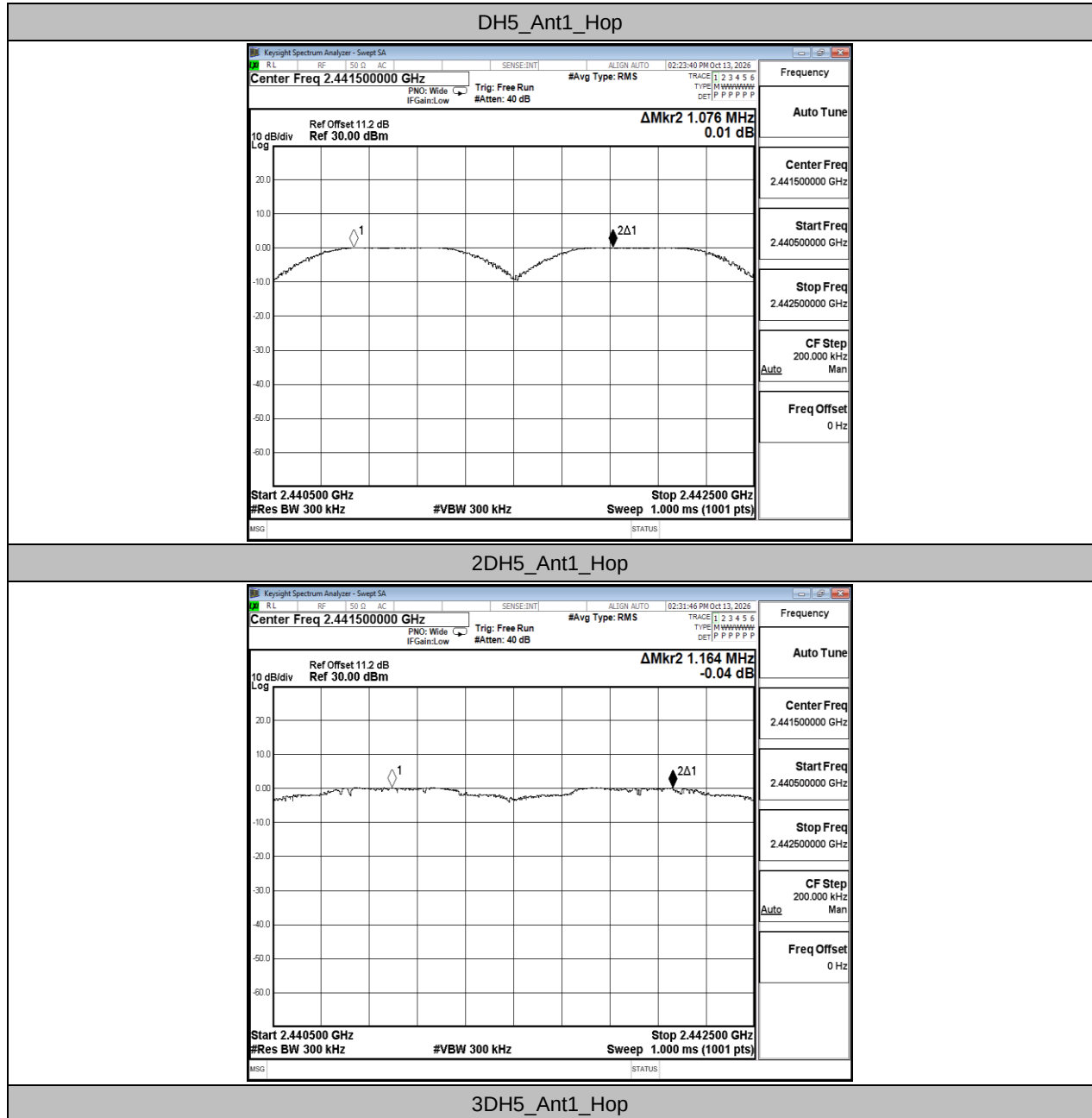


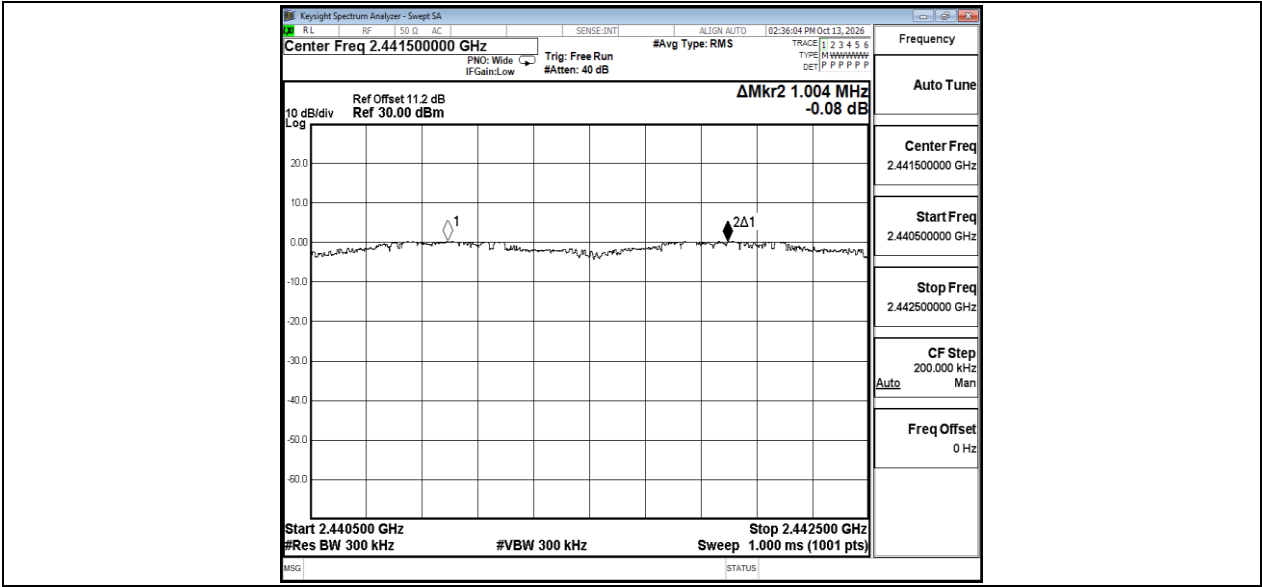
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.076	≥0.696	PASS
2DH5	Ant1	Hop	1.164	≥0.898	PASS
3DH5	Ant1	Hop	1.004	≥0.866	PASS

Test Graphs



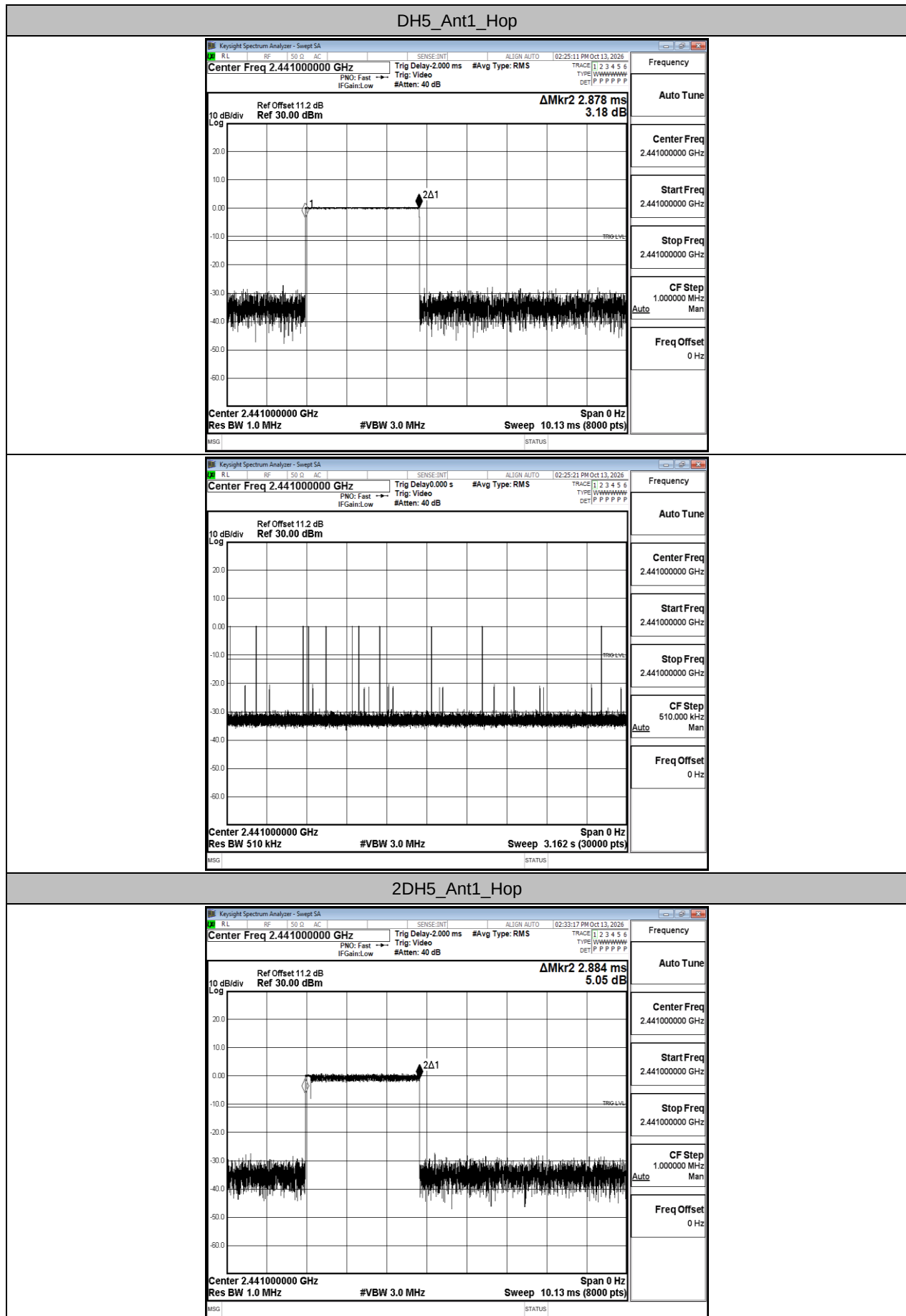


A.4 Time of occupancy

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	120	0.345	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.887	90	0.26	≤0.4	PASS

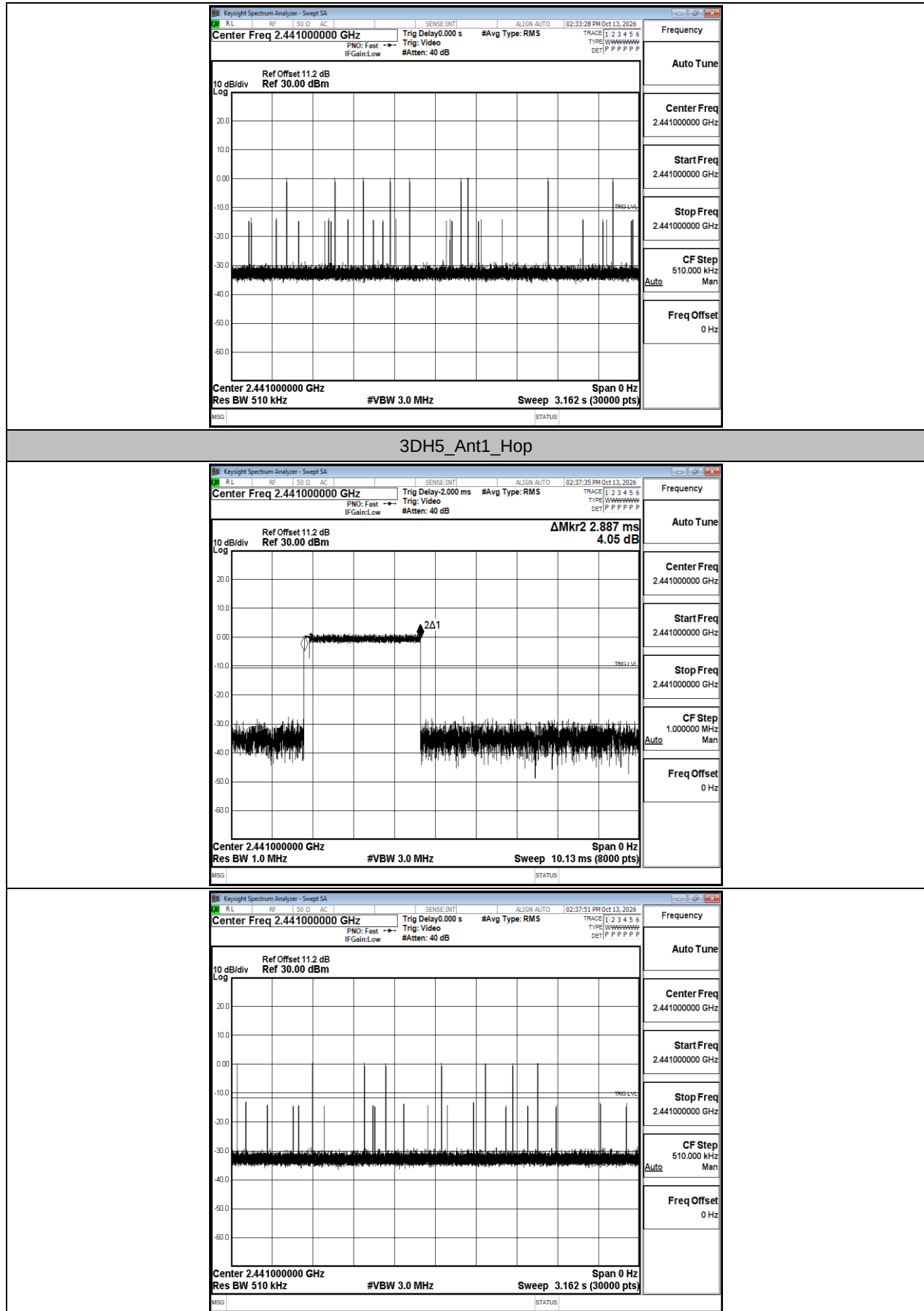
Test Graphs



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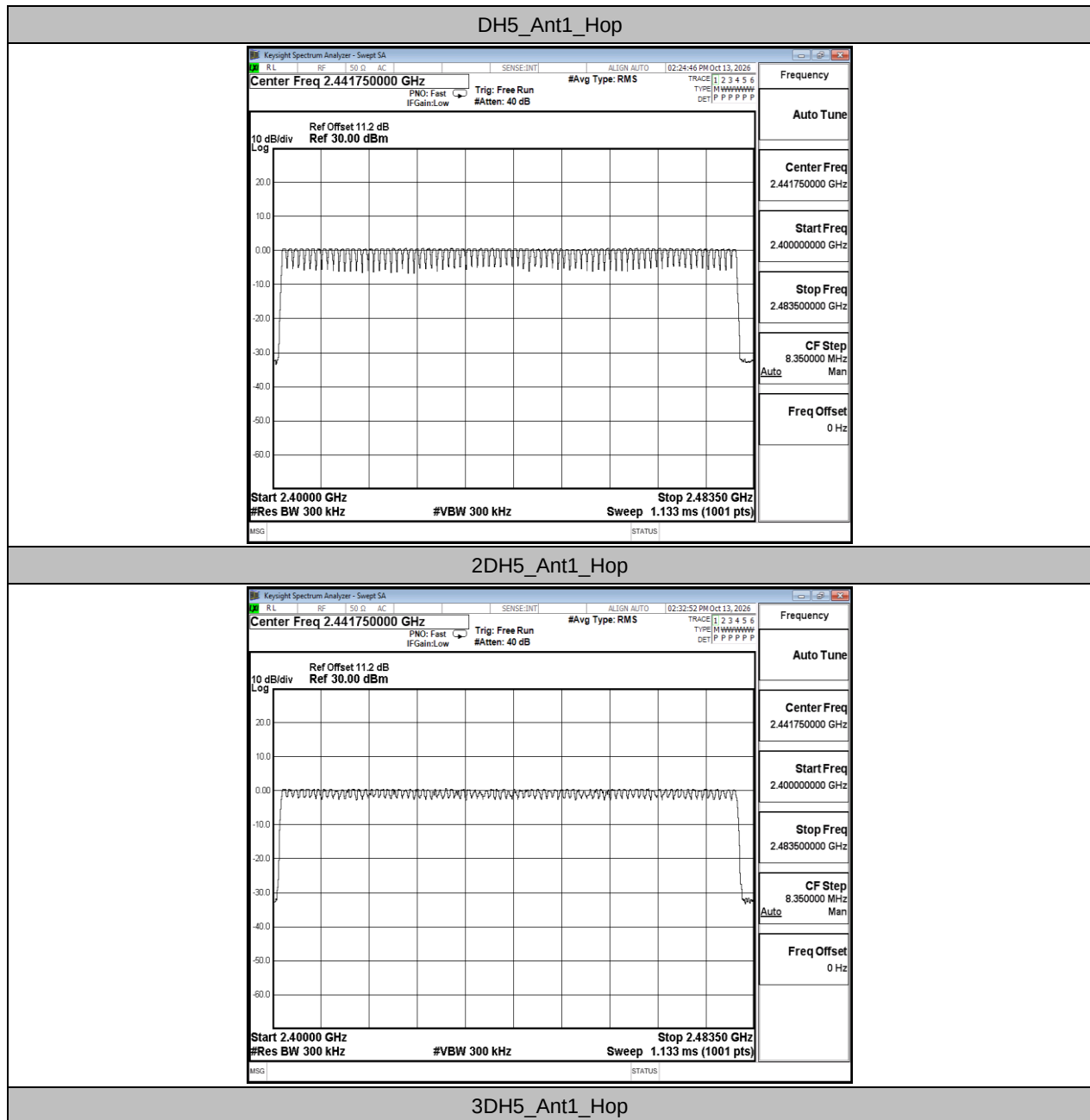


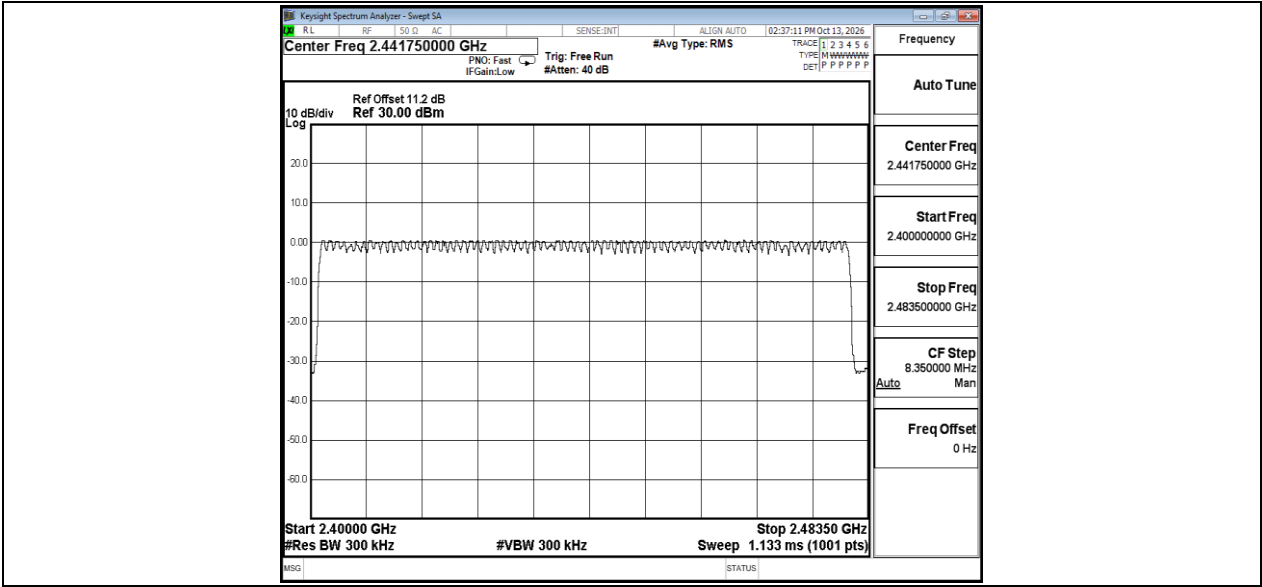
A.5 Number of hopping channels

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



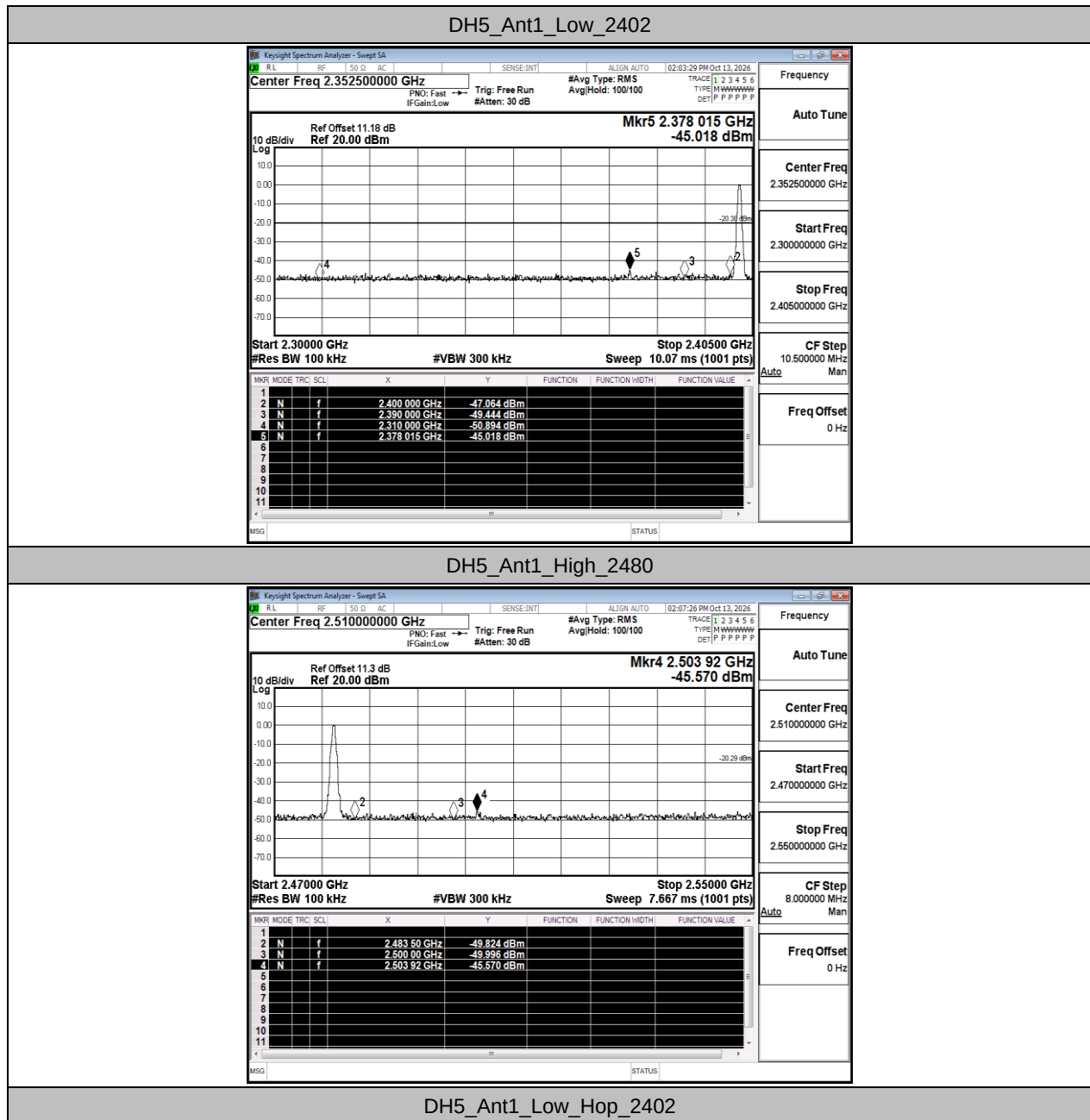


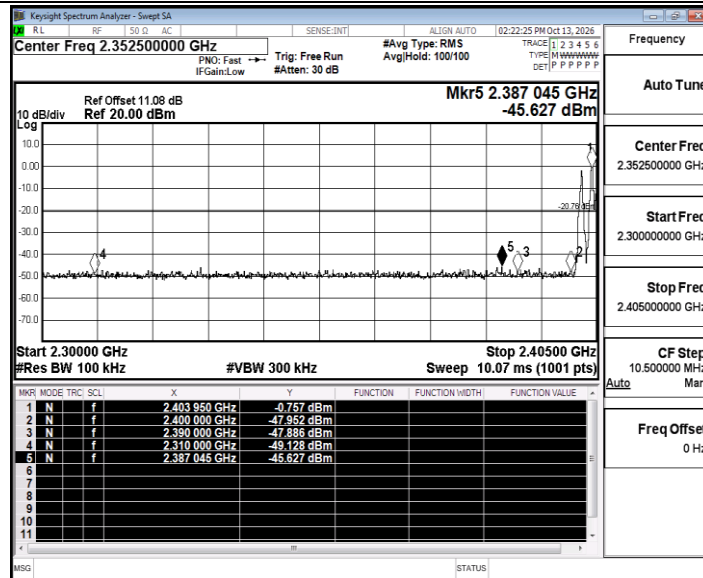
A.6 Band edge measurements

Test Result

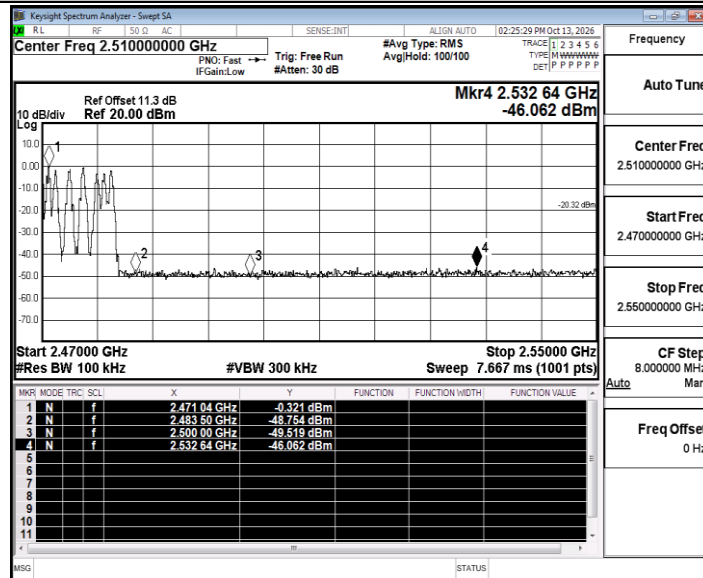
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.38	-45.02	≤ -20.38	PASS
		High	2480	-0.29	-45.57	≤ -20.29	PASS
		Low	Hop_2402	-0.76	-45.63	≤ -20.76	PASS
		High	Hop_2480	-0.32	-46.06	≤ -20.32	PASS
2DH5	Ant1	Low	2402	-0.11	-46.77	≤ -20.11	PASS
		High	2480	-0.19	-45.66	≤ -20.19	PASS
		Low	Hop_2402	-6.64	-46.03	≤ -26.64	PASS
		High	Hop_2480	-4.93	-45.83	≤ -24.93	PASS
3DH5	Ant1	Low	2402	-1.81	-46.13	≤ -21.81	PASS
		High	2480	-0.31	-45.91	≤ -20.31	PASS
		Low	Hop_2402	-0.59	-45.81	≤ -20.59	PASS
		High	Hop_2480	-3.31	-45.43	≤ -23.31	PASS

Test Graphs

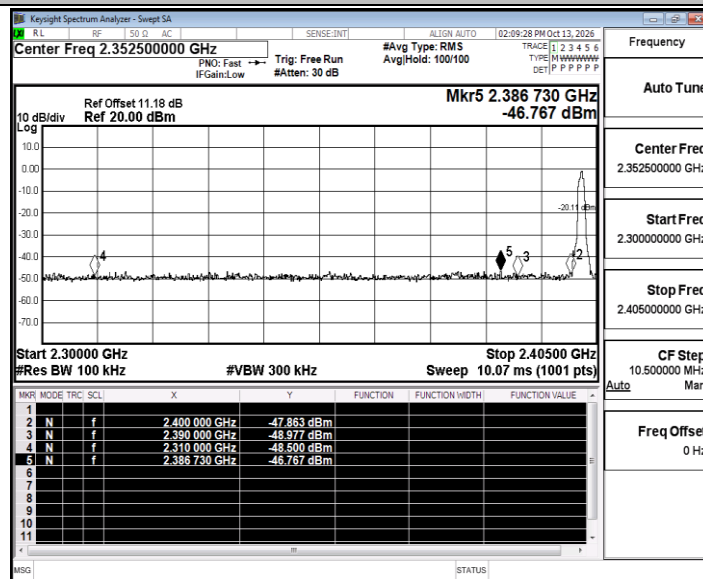




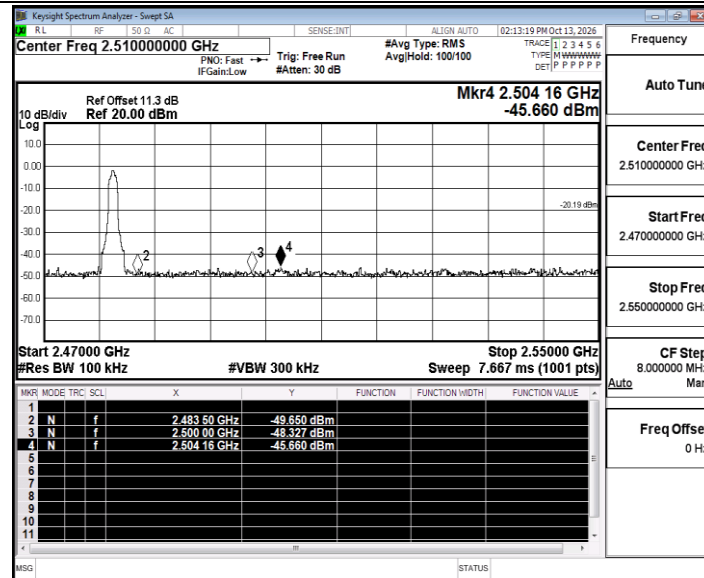
DH5_Ant1_High_Hop_2480



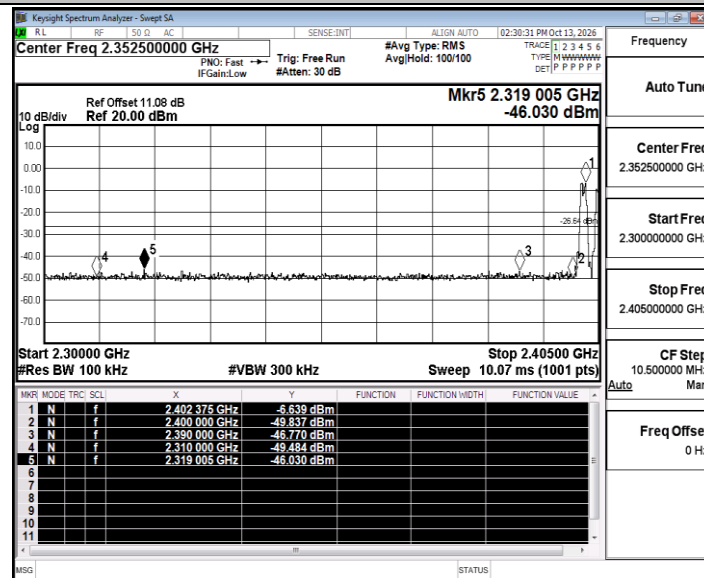
2DH5_Ant1_Low_2402



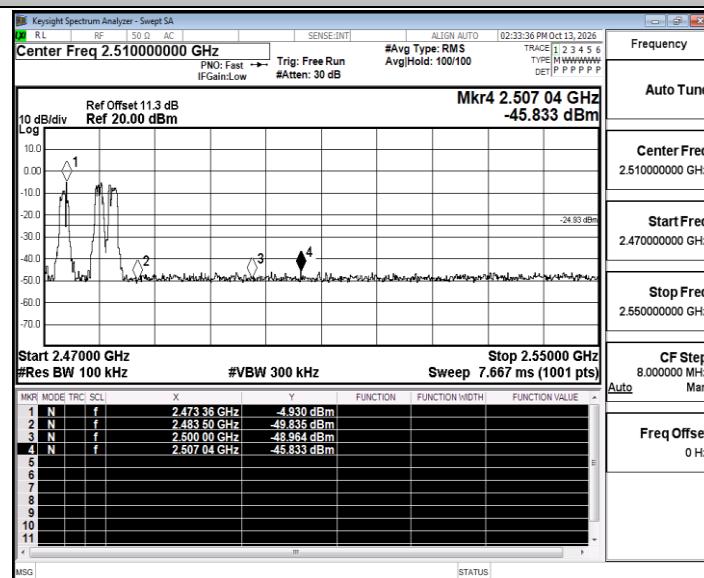
2DH5_Ant1_High_2480



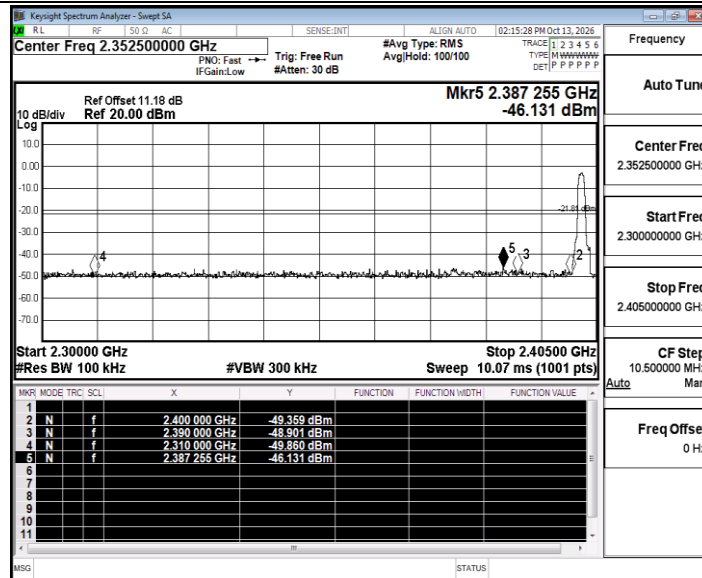
2DH5_Ant1_Low_Hop_2402



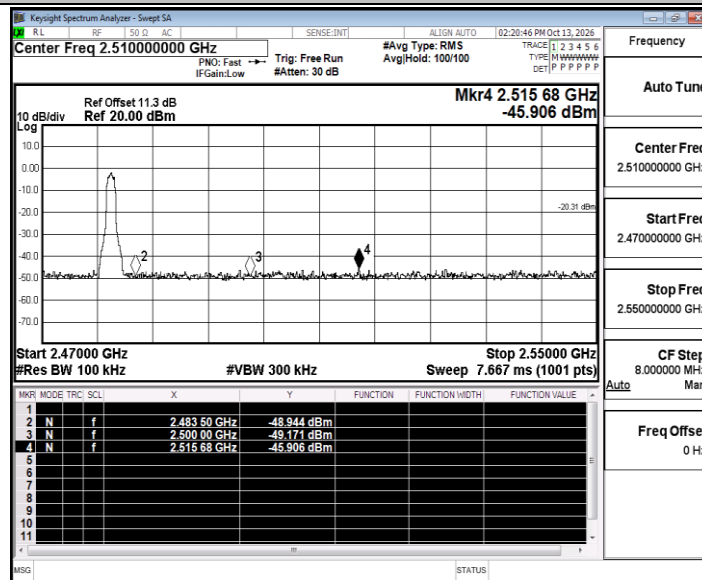
2DH5_Ant1_High_Hop_2480



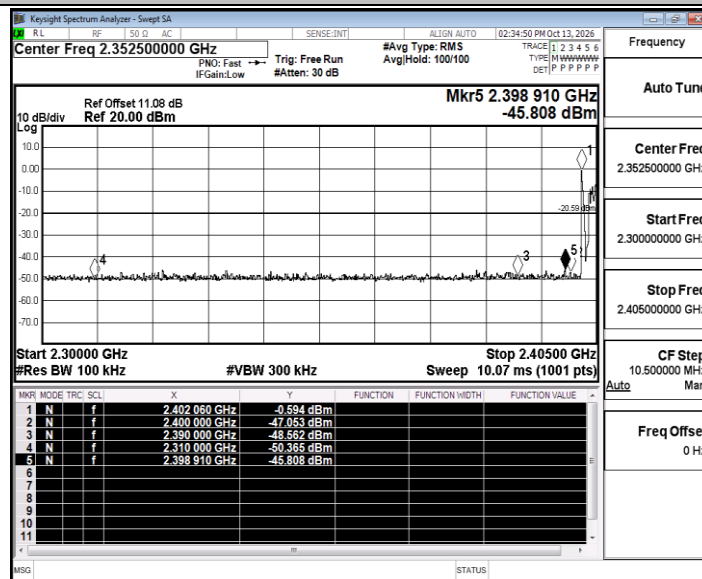
3DH5_Ant1_Low_2402



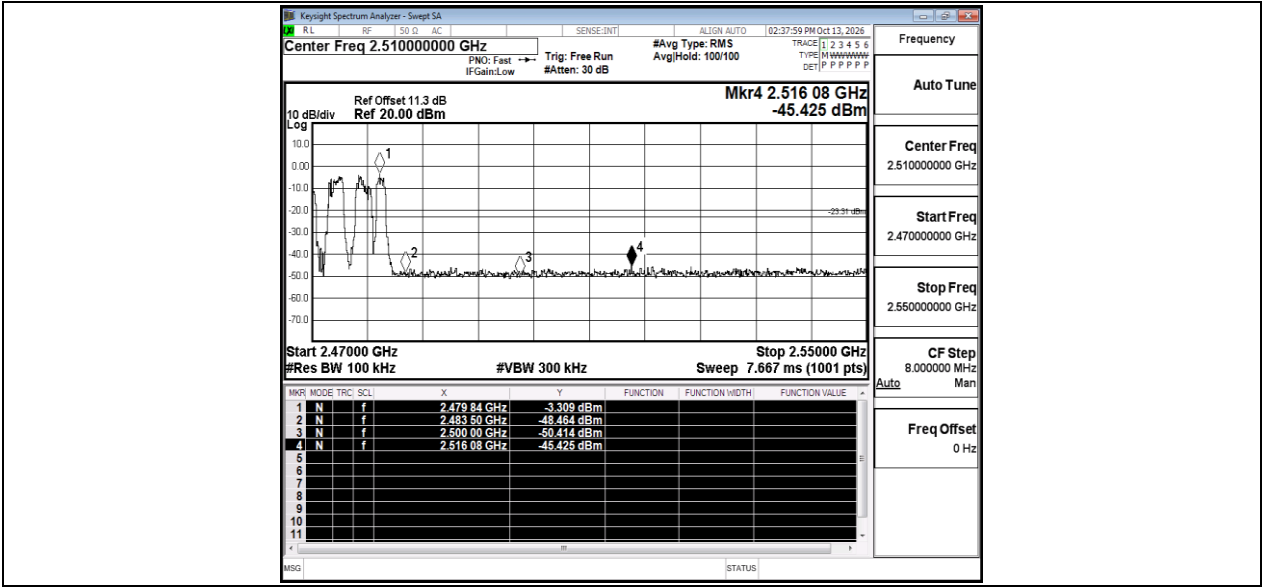
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

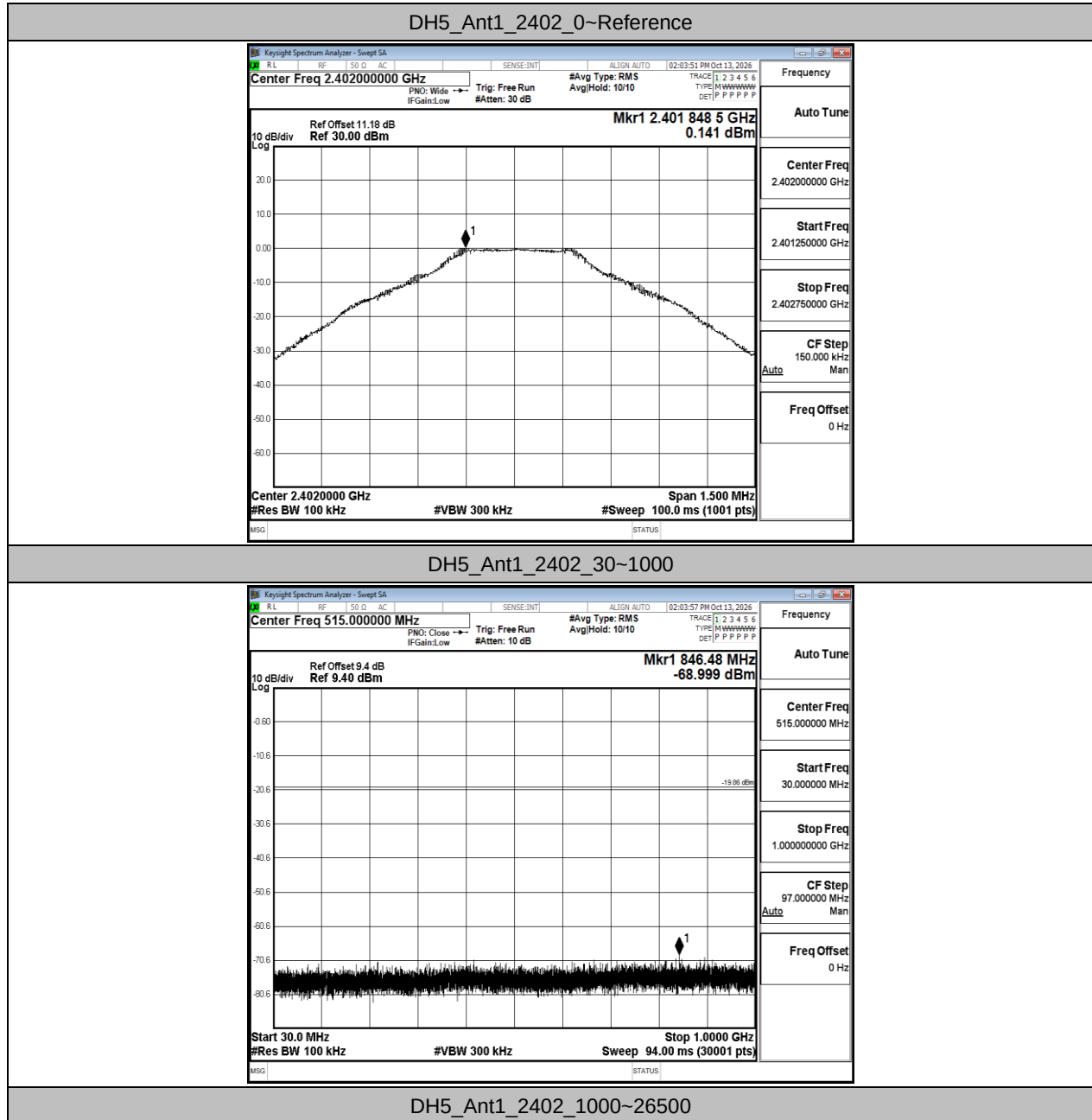


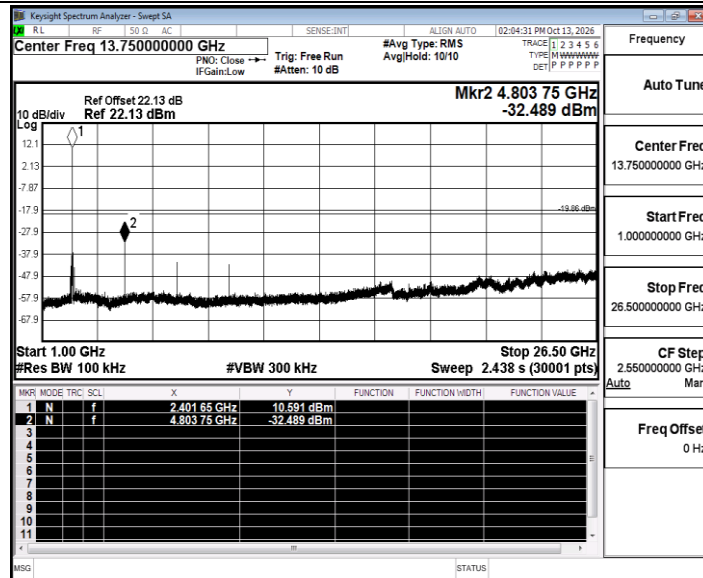
A.7 Conducted Spurious Emission

Test Result

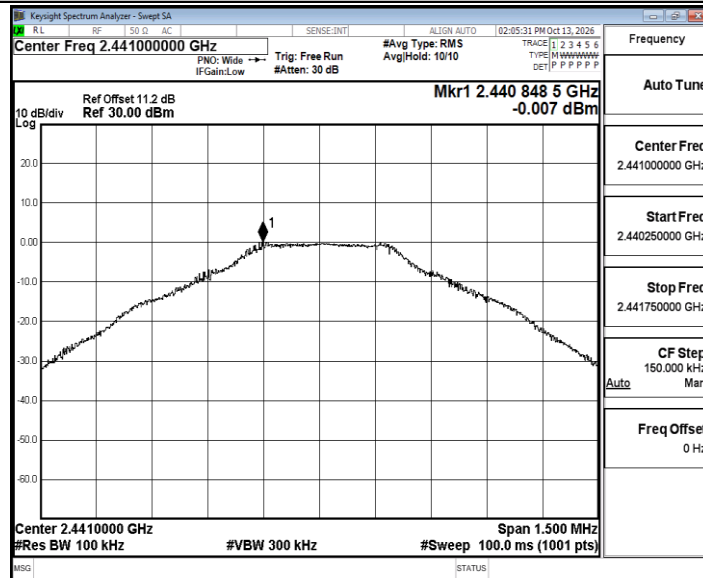
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-69	≤-19.86	PASS
			1000~26500	0.14	-32.49	≤-19.86	PASS
		2441	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-69.44	≤-20.01	PASS
			1000~26500	-0.01	-31.03	≤-20.01	PASS
		2480	Reference	-0.05	-0.05	---	PASS
			30~1000	-0.05	-69.4	≤-20.05	PASS
			1000~26500	-0.05	-29.44	≤-20.05	PASS
2DH5	Ant1	2402	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-69.72	≤-19.89	PASS
			1000~26500	0.11	-33.07	≤-19.89	PASS
		2441	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-69.8	≤-20.01	PASS
			1000~26500	-0.01	-34.22	≤-20.01	PASS
		2480	Reference	-0.13	-0.13	---	PASS
			30~1000	-0.13	-69.83	≤-20.13	PASS
			1000~26500	-0.13	-30.16	≤-20.13	PASS
3DH5	Ant1	2402	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-69.99	≤-19.86	PASS
			1000~26500	0.14	-33.89	≤-19.86	PASS
		2441	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-69.61	≤-20.03	PASS
			1000~26500	-0.03	-31.29	≤-20.03	PASS
		2480	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-70.38	≤-20.12	PASS
			1000~26500	-0.12	-34.14	≤-20.12	PASS

Test Graphs

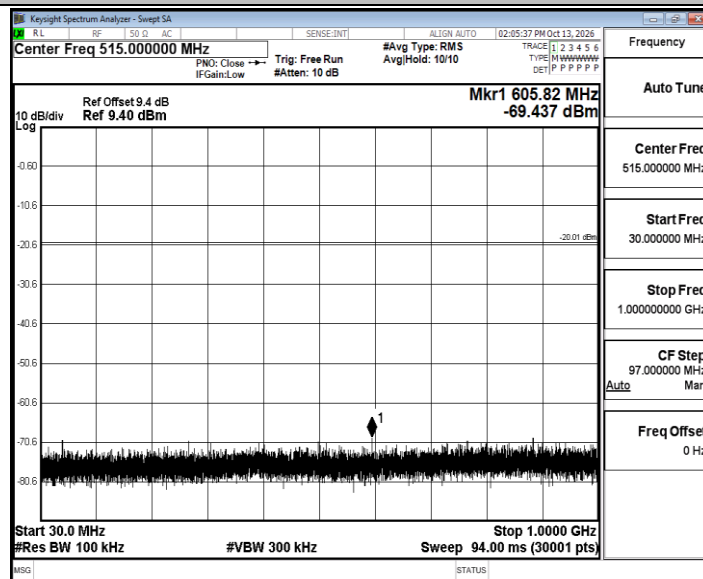




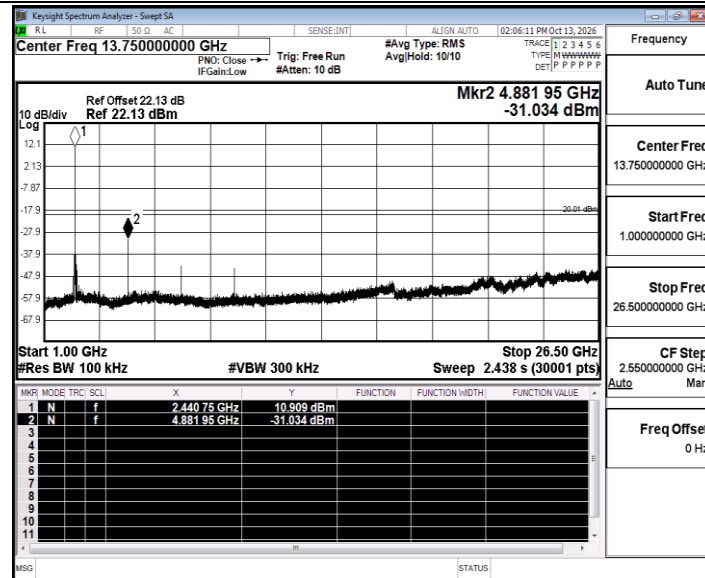
DH5_Ant1_2441_0~Reference



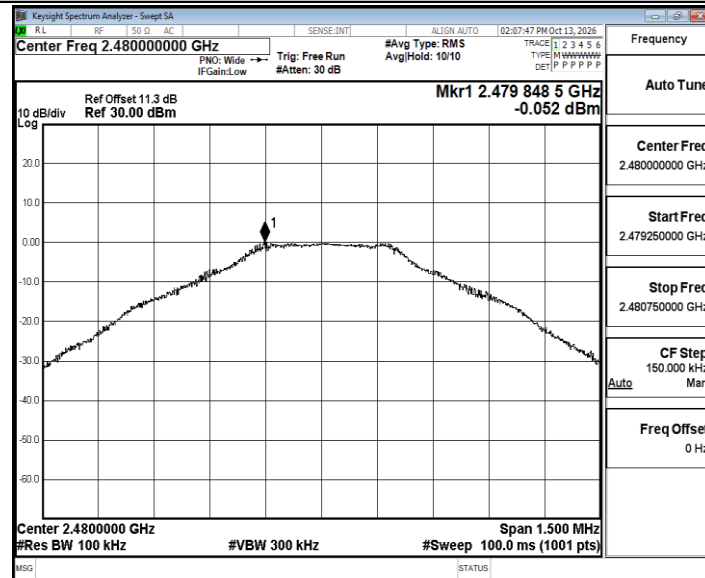
DH5_Ant1_2441_30~1000



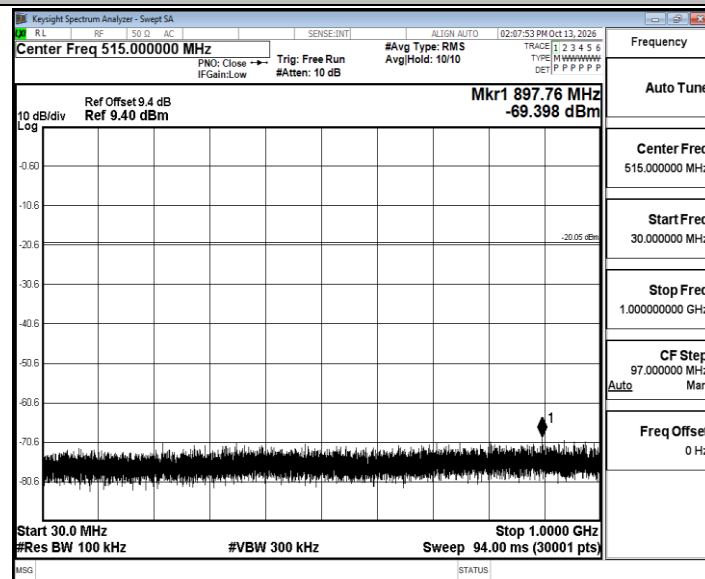
DH5_Ant1_2441_1000~26500



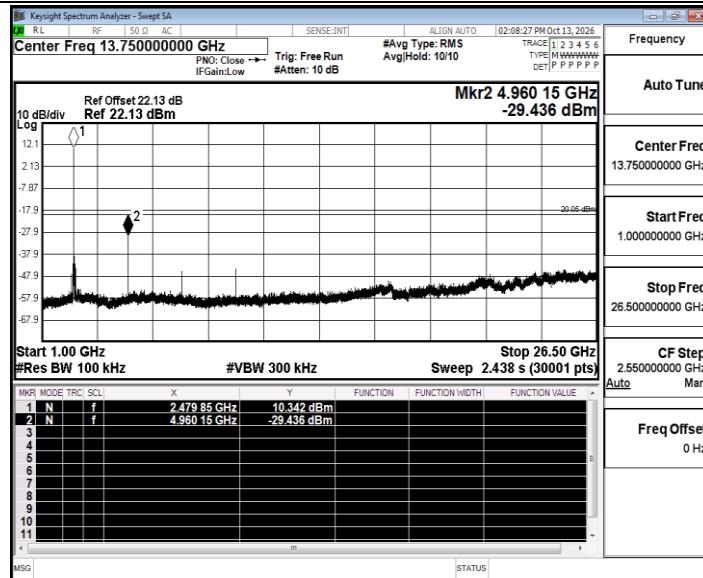
DH5_Ant1_2480_0~Reference



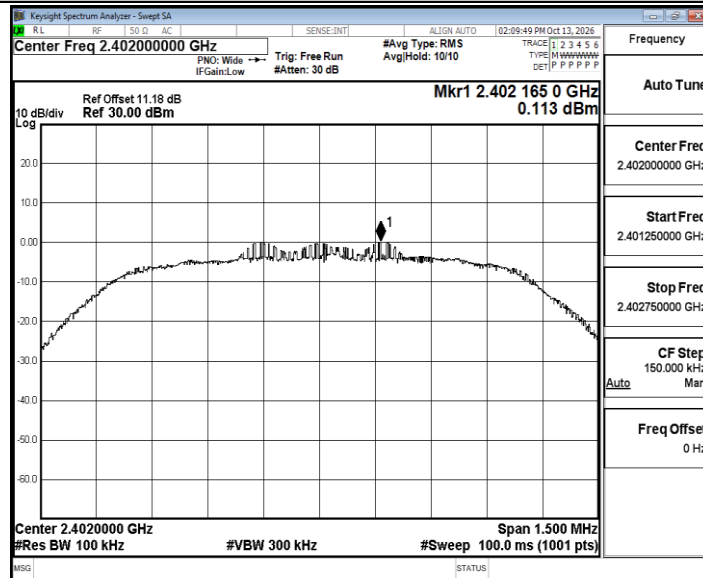
DH5_Ant1_2480_30~1000



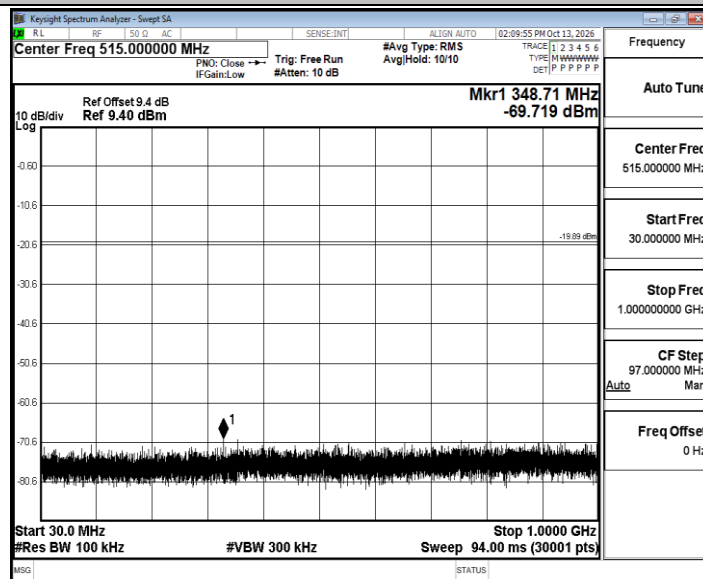
DH5_Ant1_2480_1000~26500



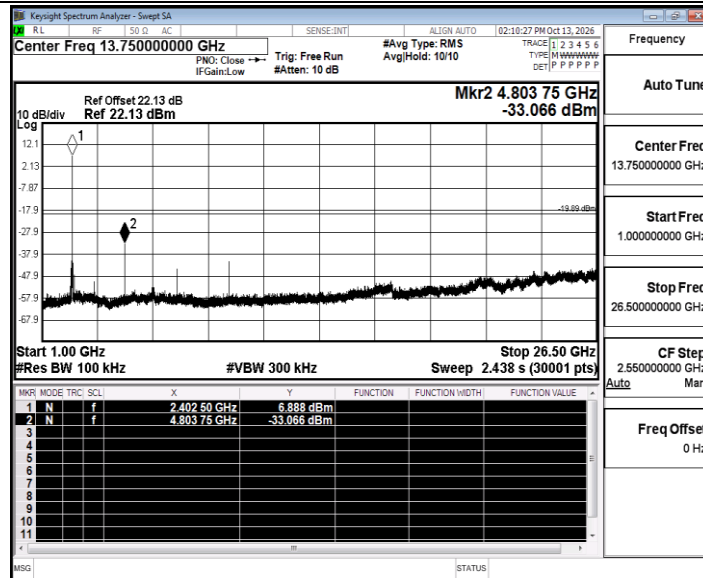
2DH5_Ant1_2402_0~Reference



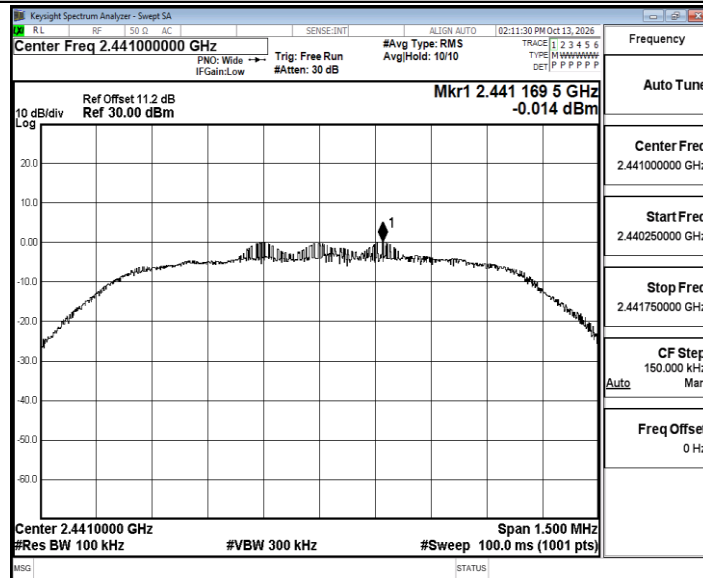
2DH5_Ant1_2402_30~1000



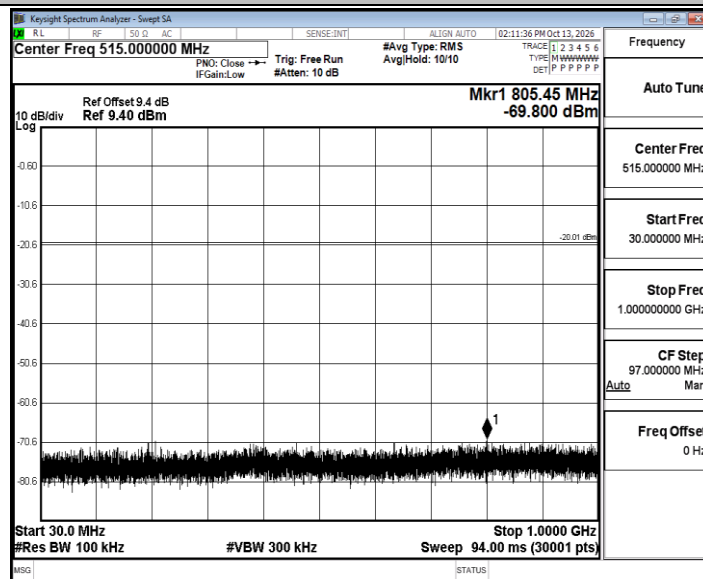
2DH5_Ant1_2402_1000~26500



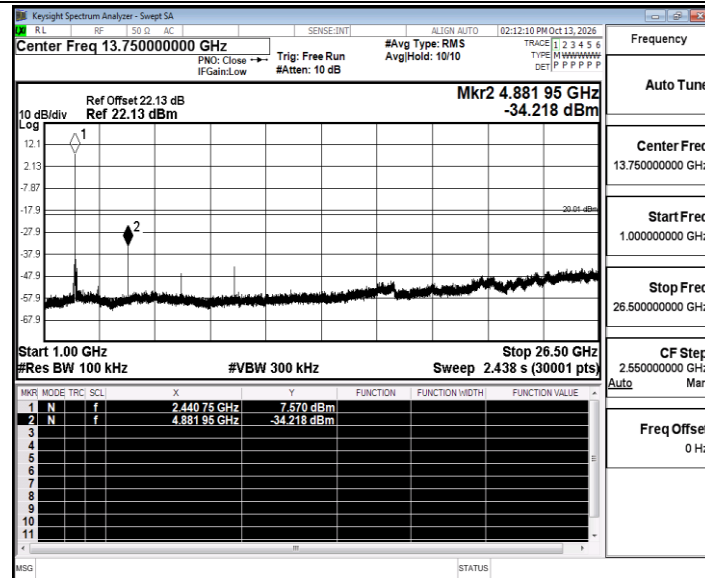
2DH5_Ant1_2441_0~Reference



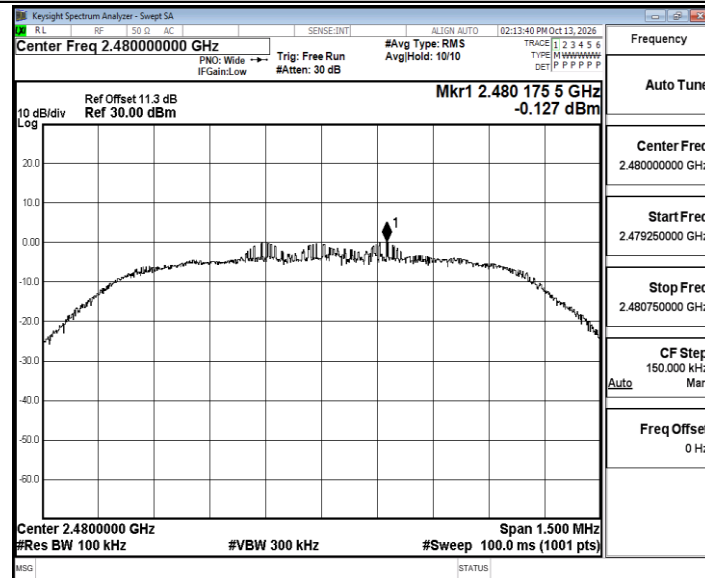
2DH5_Ant1_2441_30~1000



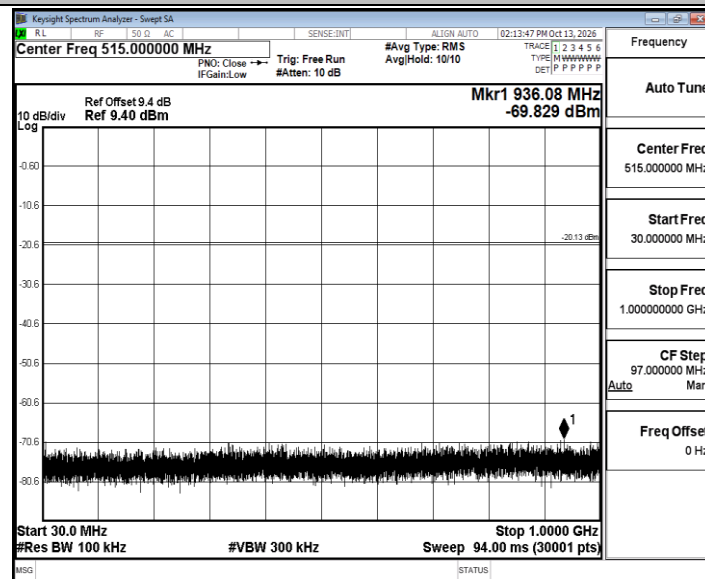
2DH5_Ant1_2441_1000~26500



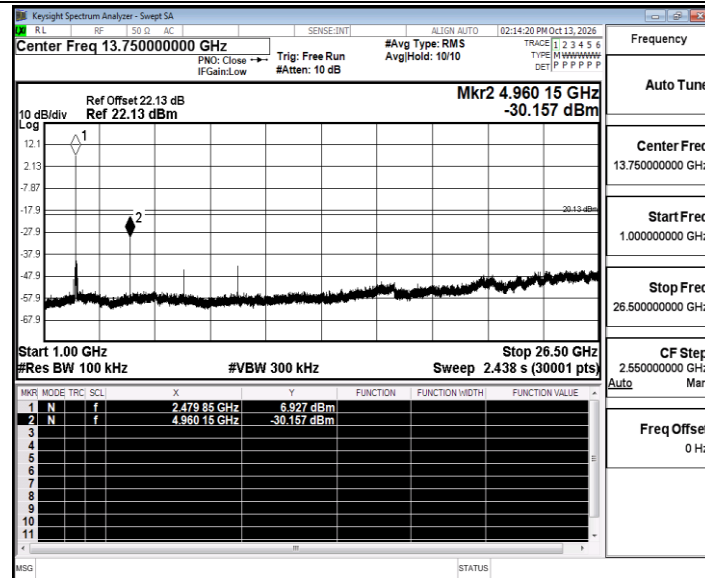
2DH5_Ant1_2480_0~Reference



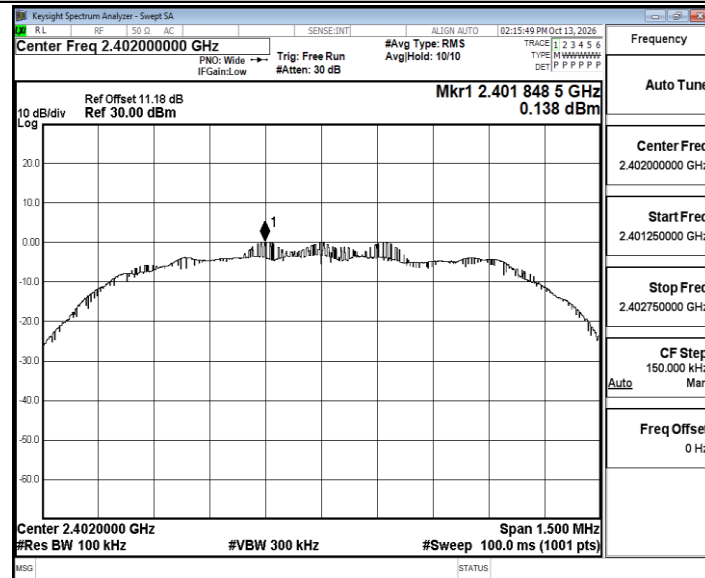
2DH5_Ant1_2480_30~1000



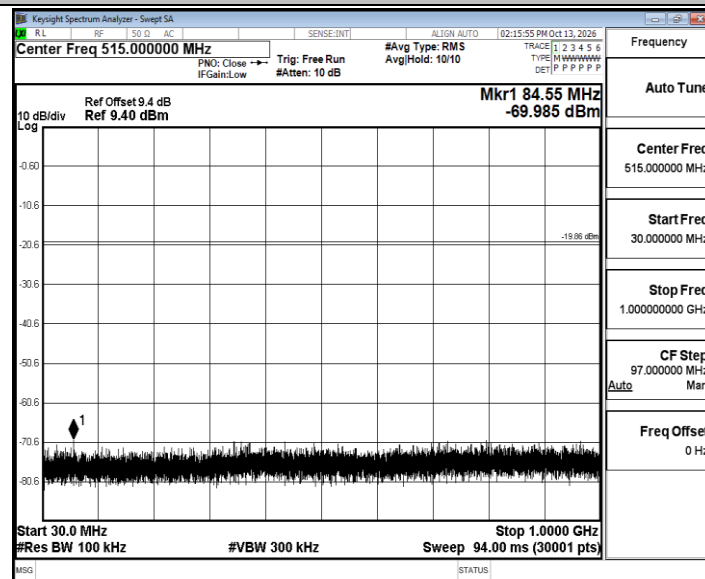
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500