

Appendix A

RF Test Data for BT(Conducted Measurement)

Product Name: ATV/UTV SOUND SYSTEM

Test Model: EH6521

Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

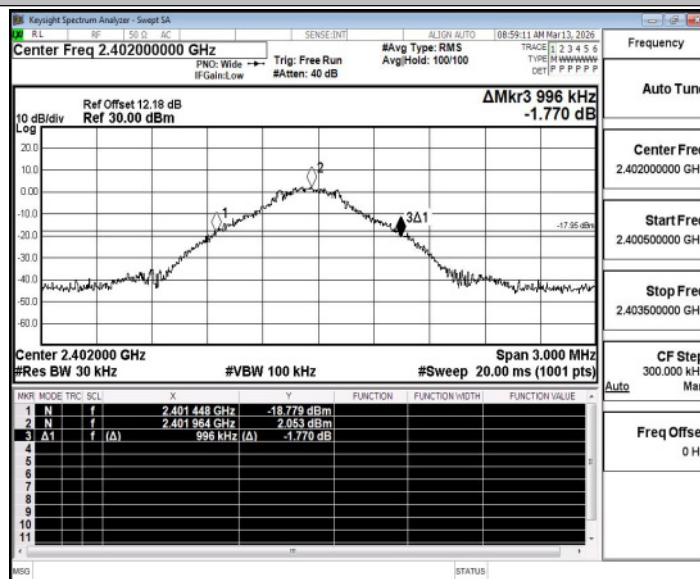
A.1 20dB Emission Bandwidth

Test Result

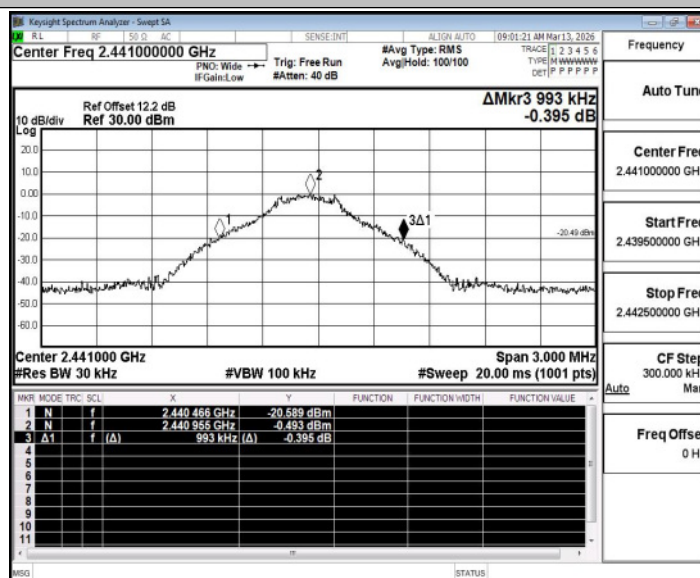
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.996	2401.448	2402.444	---	---
		2441	0.993	2440.466	2441.459	---	---
		2480	1.014	2479.442	2480.456	---	---
2DH5	Ant1	2402	1.305	2401.289	2402.594	---	---
		2441	1.293	2440.289	2441.582	---	---
		2480	1.323	2479.271	2480.594	---	---
3DH5	Ant1	2402	1.305	2401.289	2402.594	---	---
		2441	1.305	2440.283	2441.588	---	---
		2480	1.326	2479.277	2480.603	---	---

Test Graphs

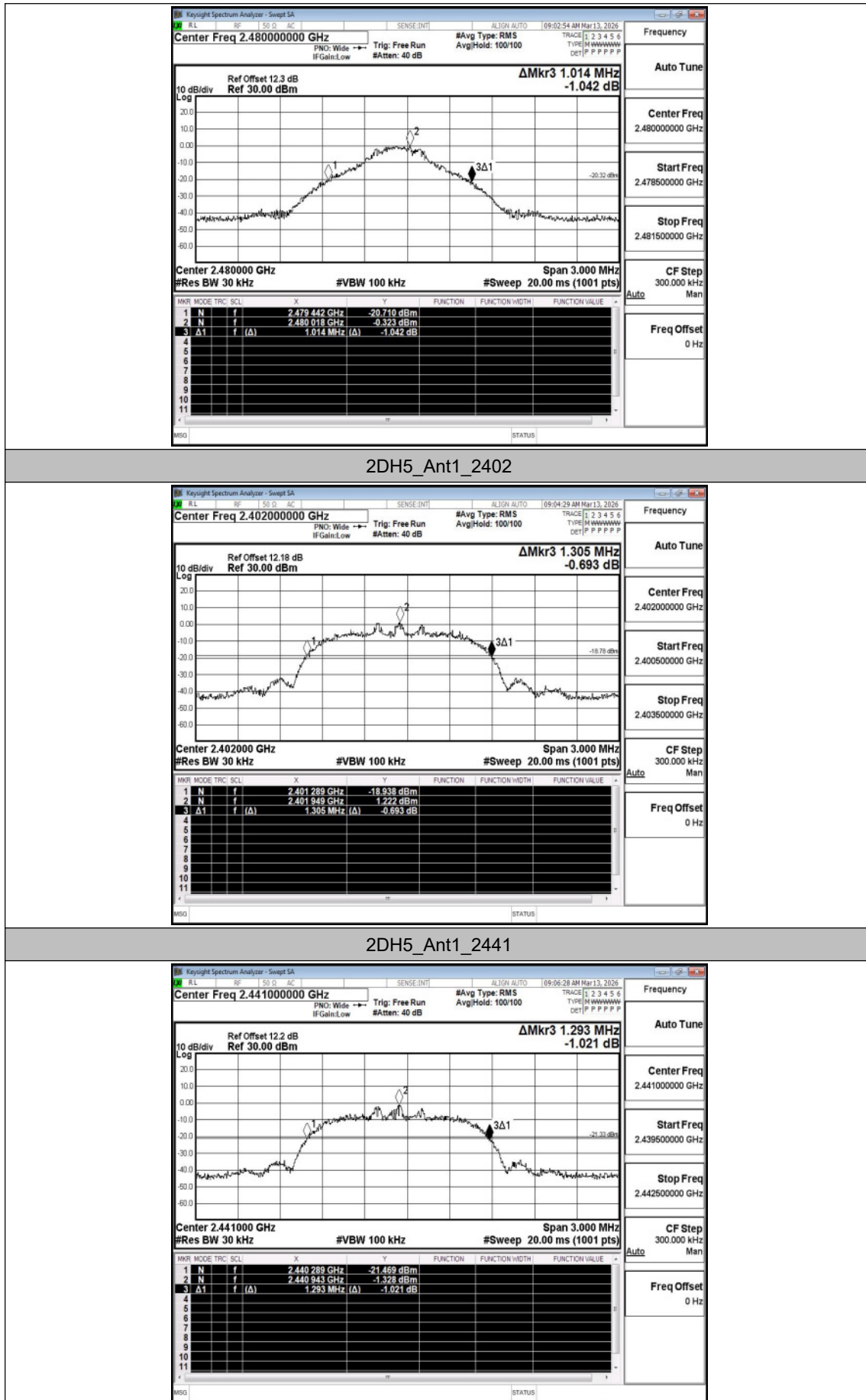
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

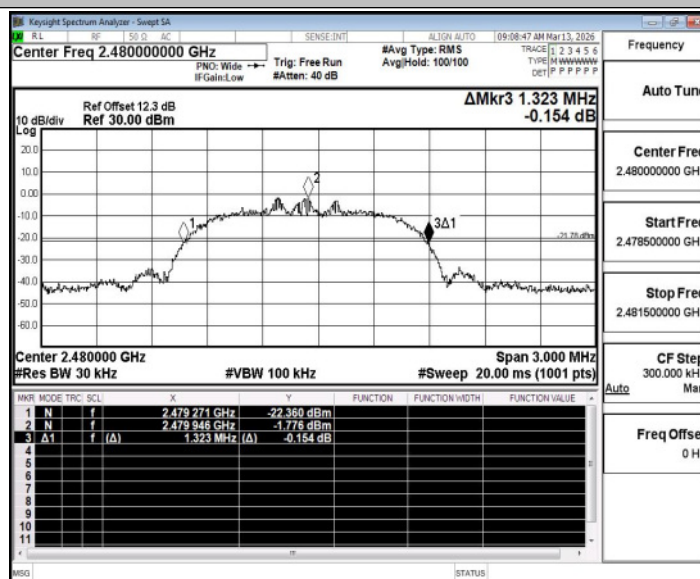


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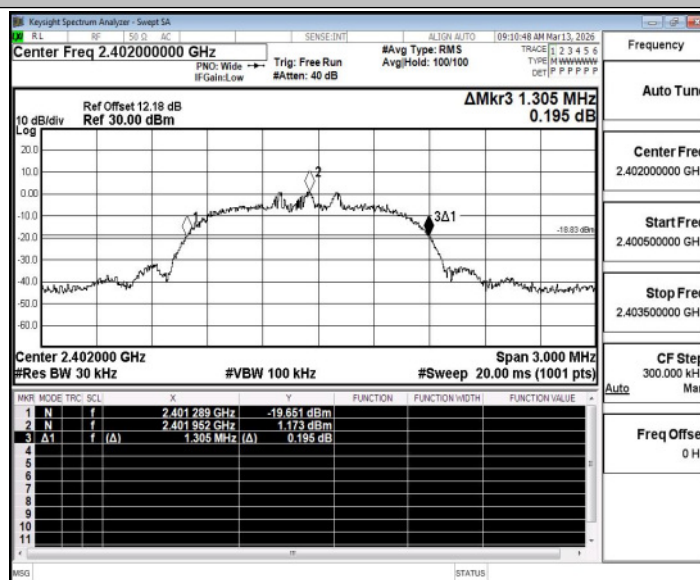
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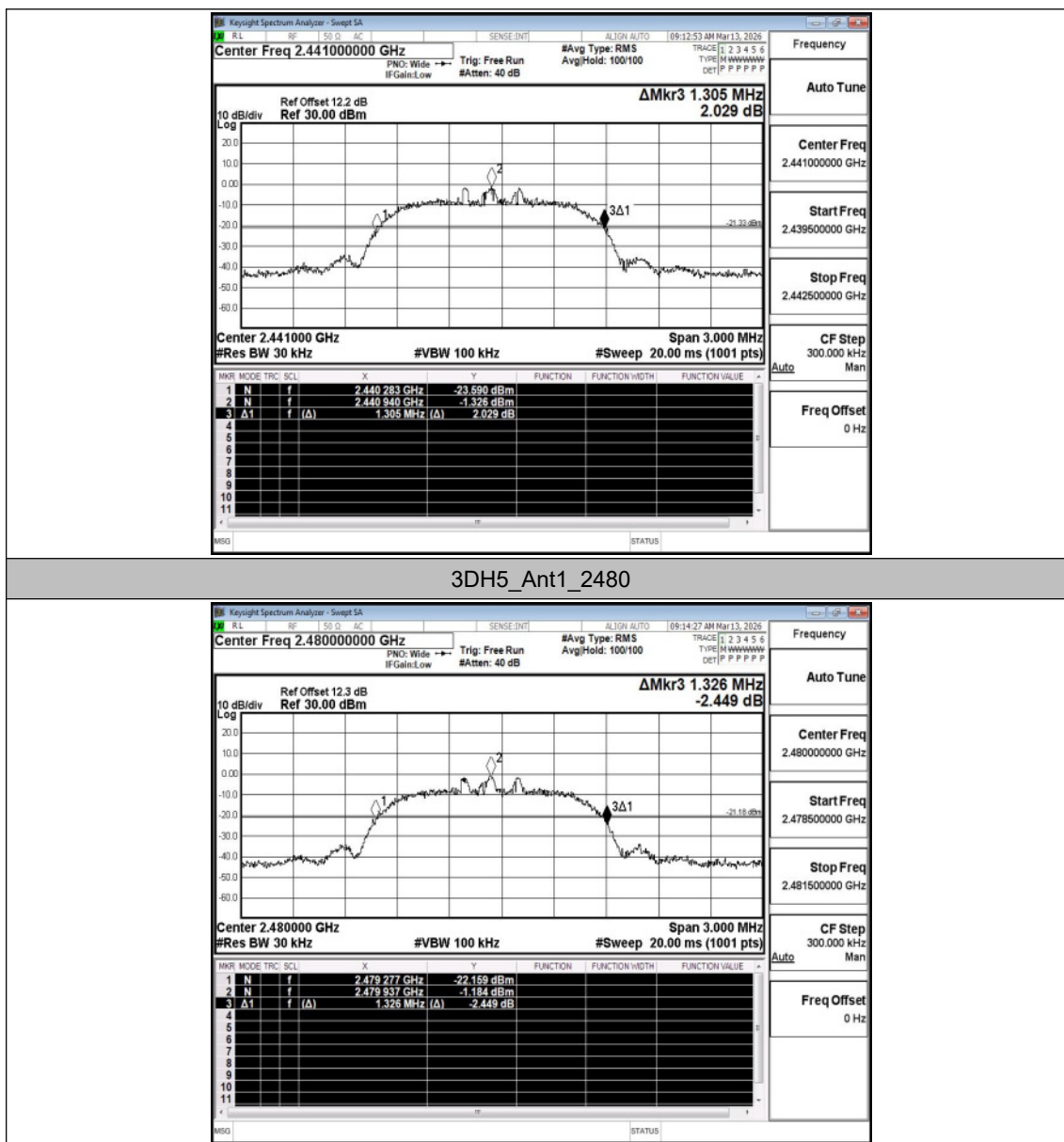
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



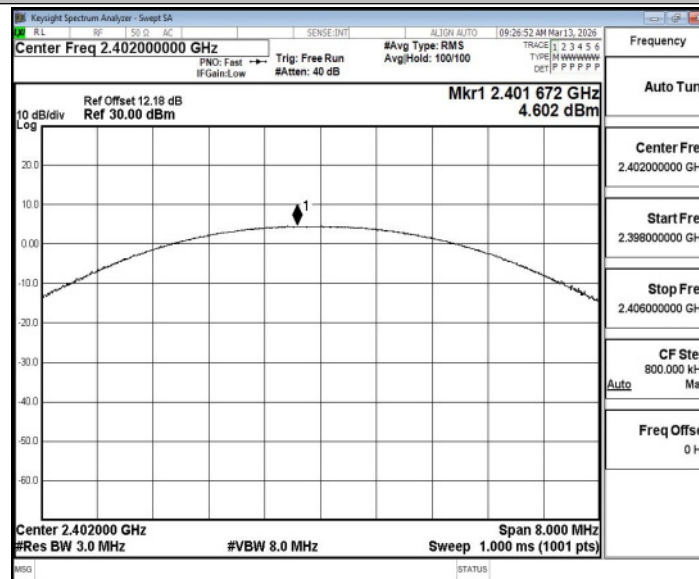
A.2 Maximum Peak conducted output power

Test Result Peak

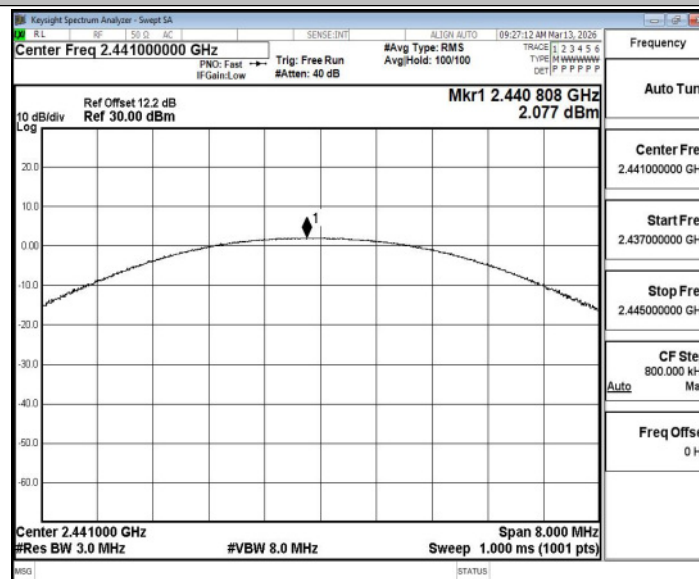
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.60	≤20.97	PASS
		2441	2.08	≤20.97	PASS
		2480	2.18	≤20.97	PASS
2DH5	Ant1	2402	4.38	≤20.97	PASS
		2441	1.89	≤20.97	PASS
		2480	2.01	≤20.97	PASS
3DH5	Ant1	2402	4.62	≤20.97	PASS
		2441	2.21	≤20.97	PASS
		2480	2.25	≤20.97	PASS

Test Graphs

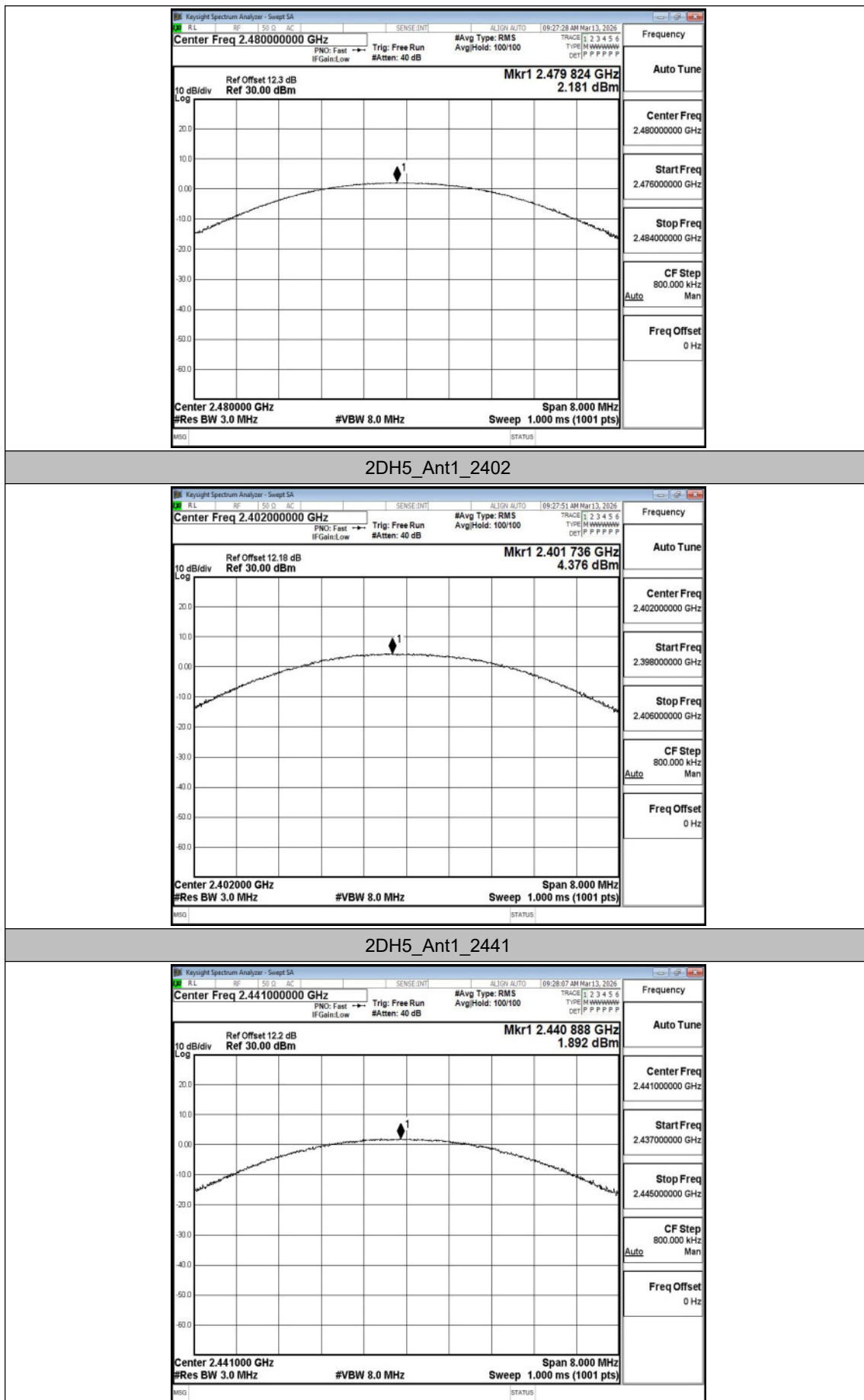
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

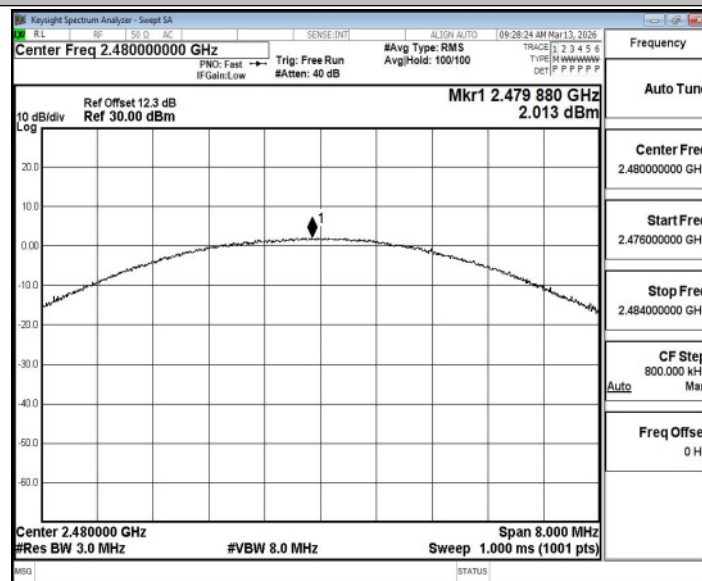


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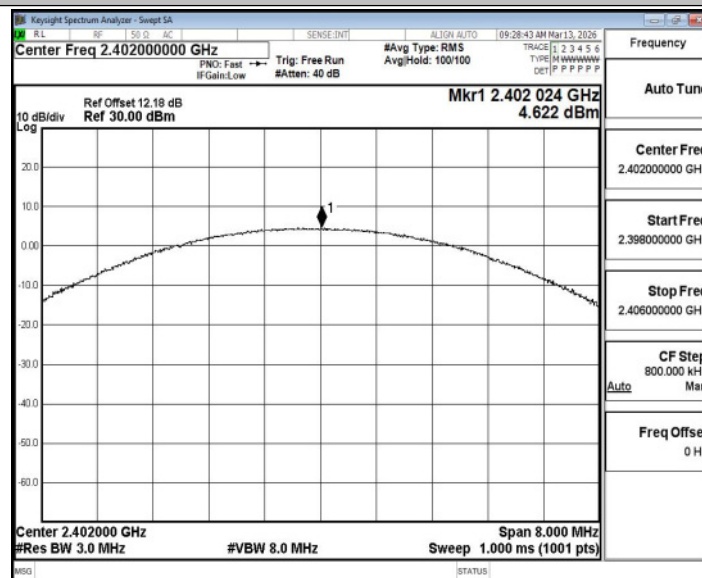
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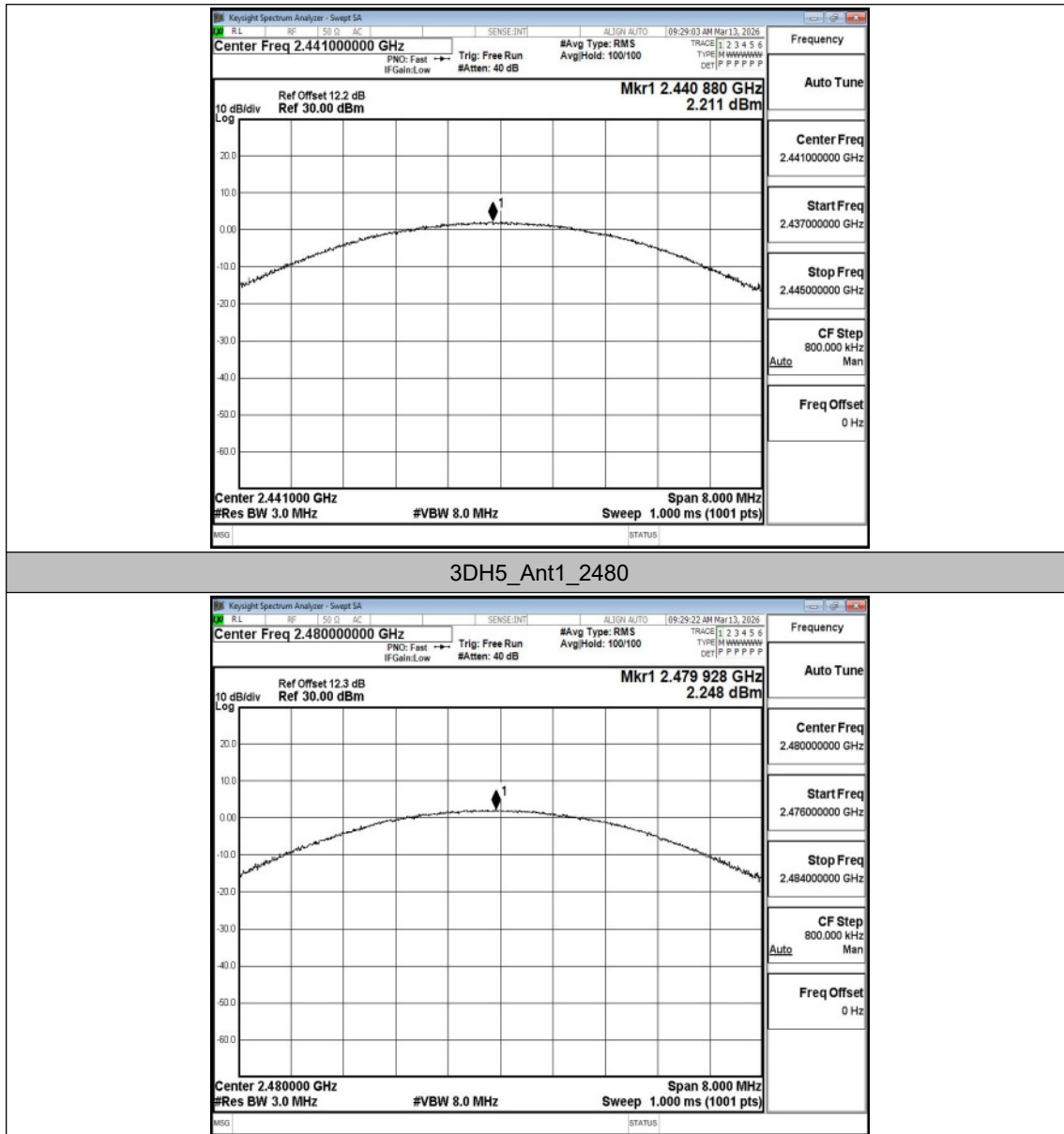
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



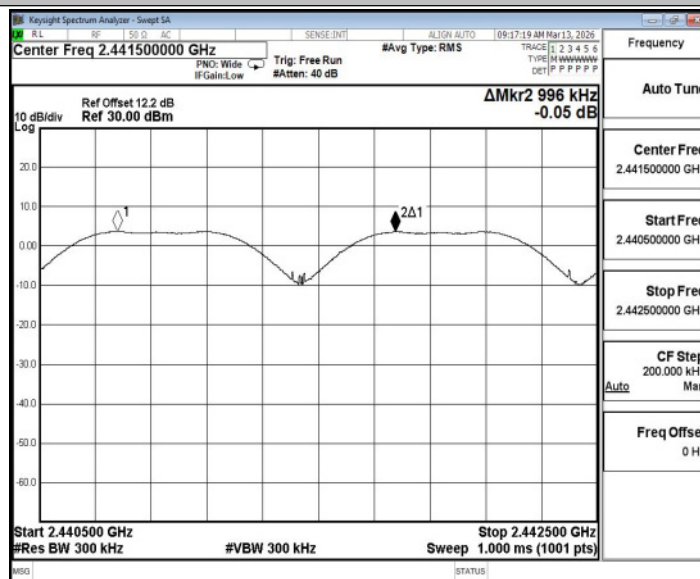
A.3 Carrier frequency separation

Test Result

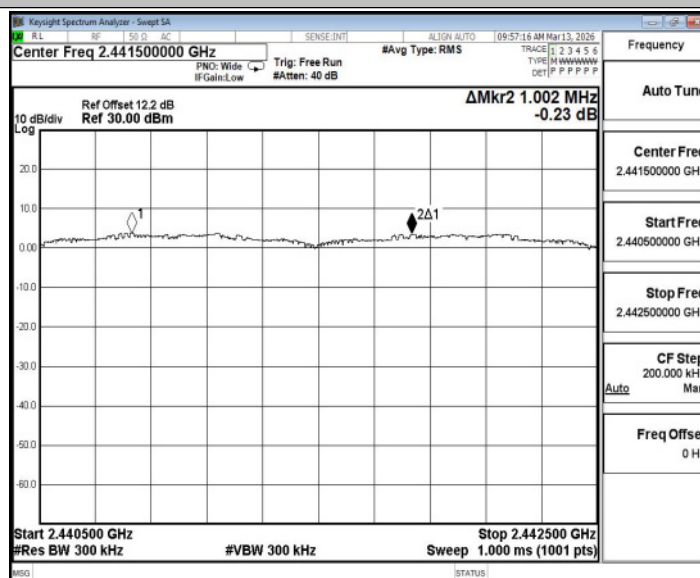
TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥ 0.676	PASS
2DH5	Ant1	Hop	1.002	≥ 0.882	PASS
3DH5	Ant1	Hop	1.036	≥ 0.884	PASS

Test Graphs

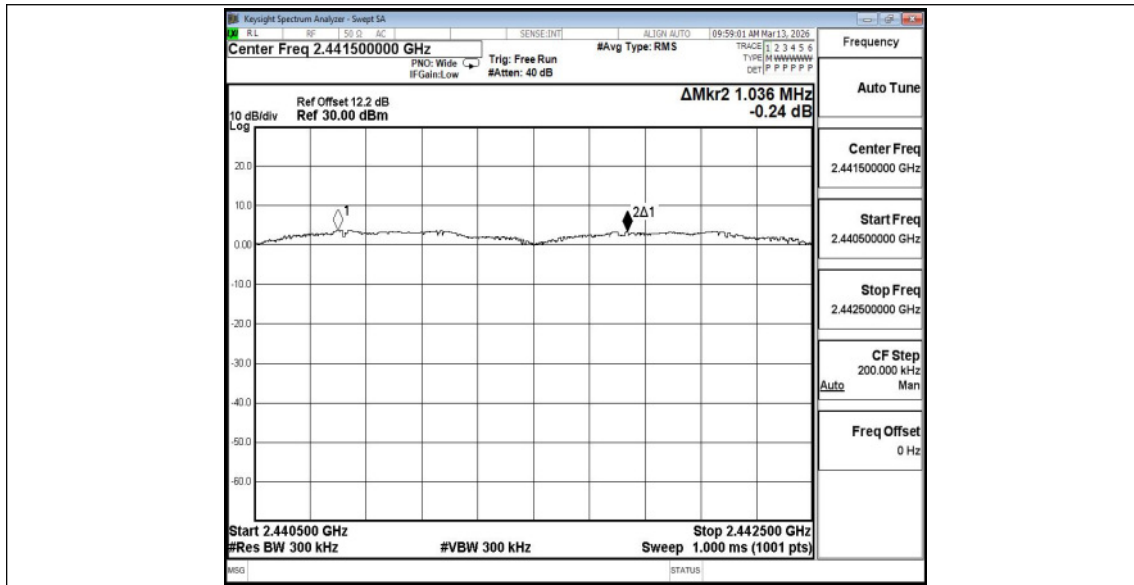
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

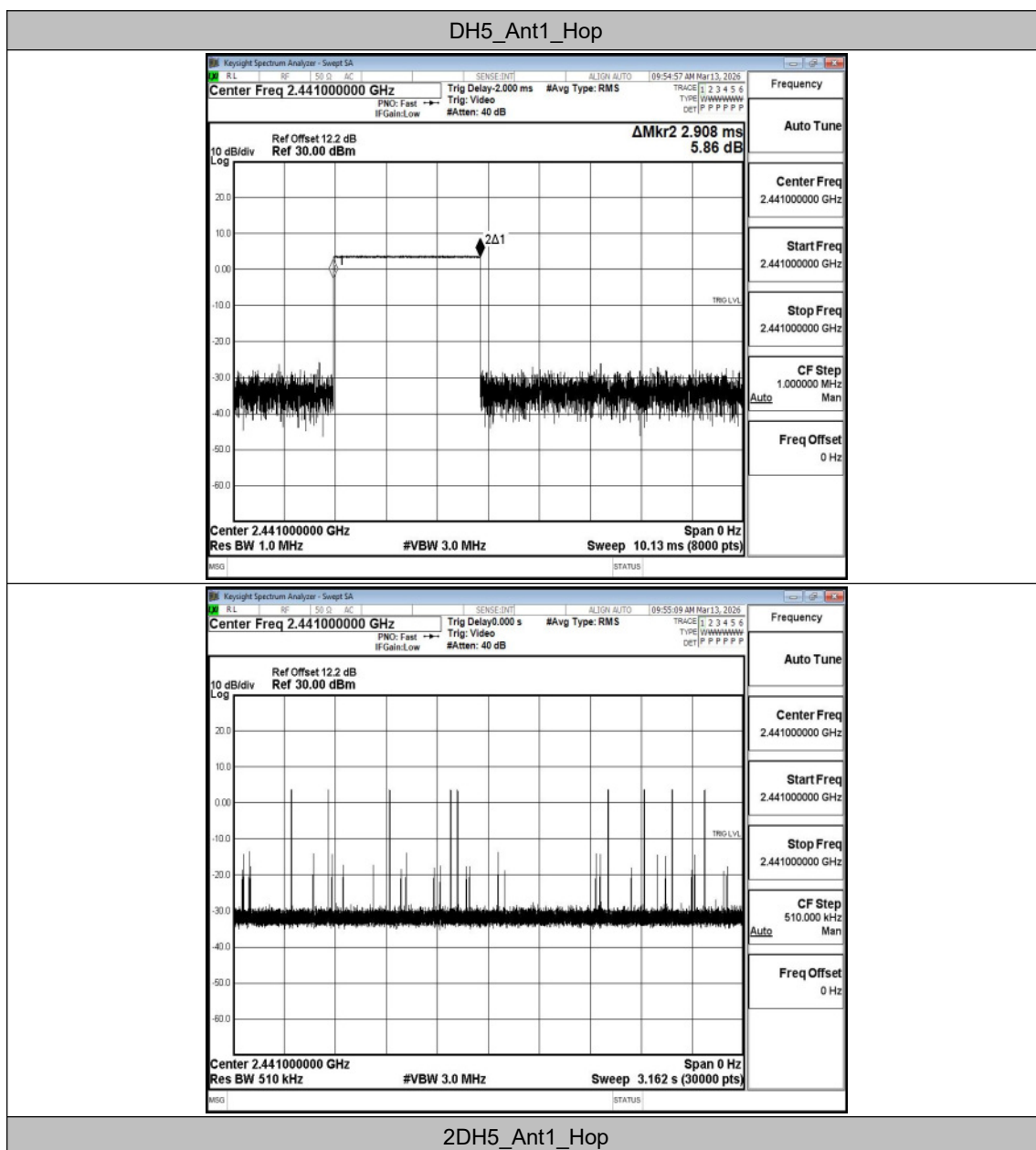


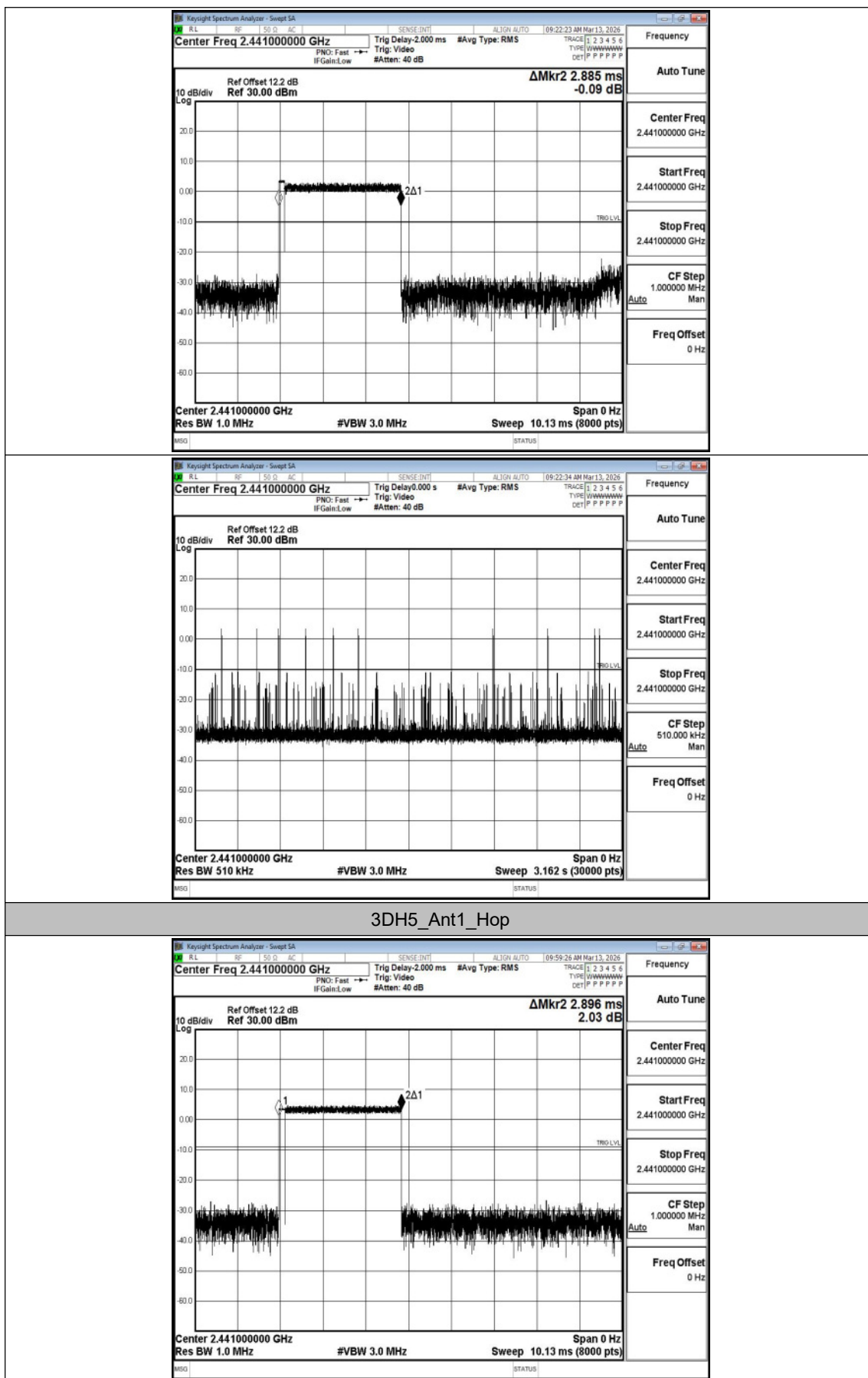
A.4 Time of occupancy

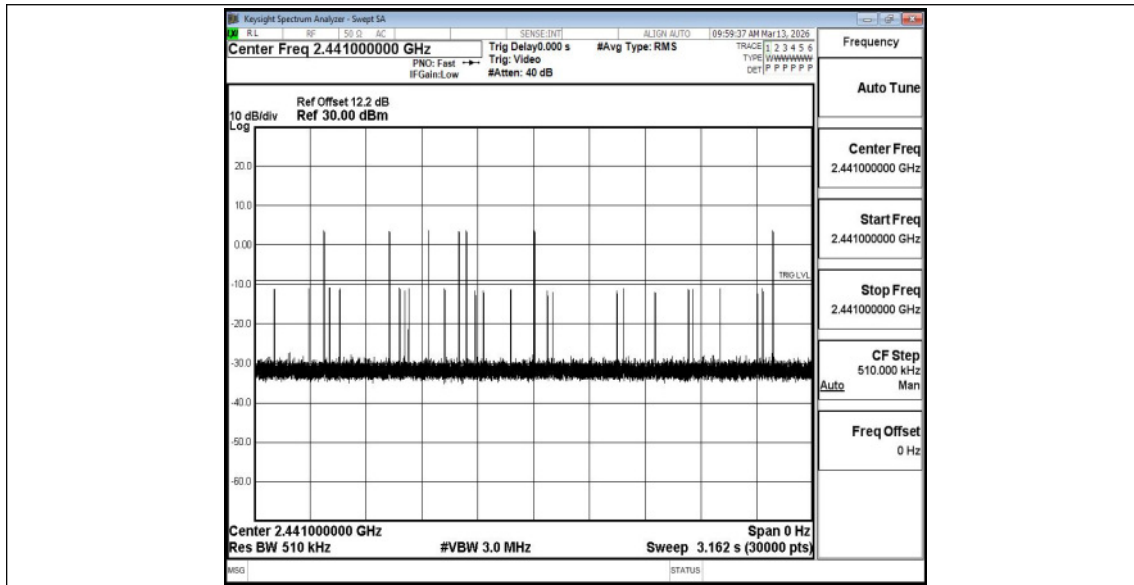
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.908	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.885	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.896	80	0.232	≤0.4	PASS

Test Graphs







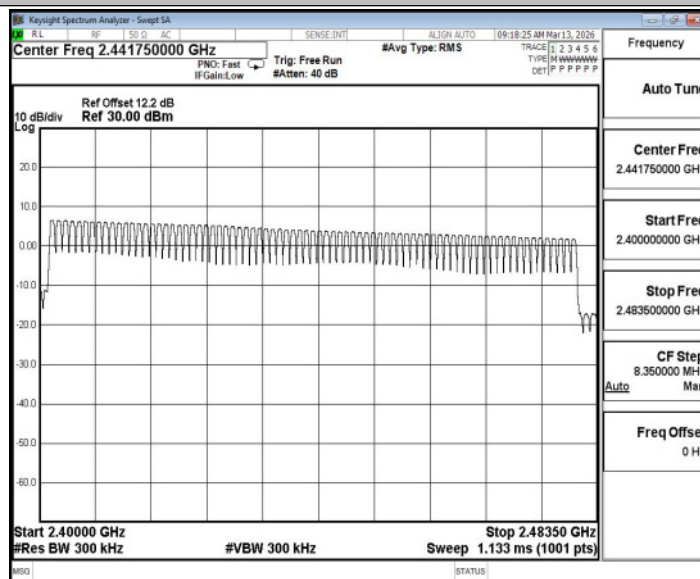
A.5 Number of hopping channels

Test Result

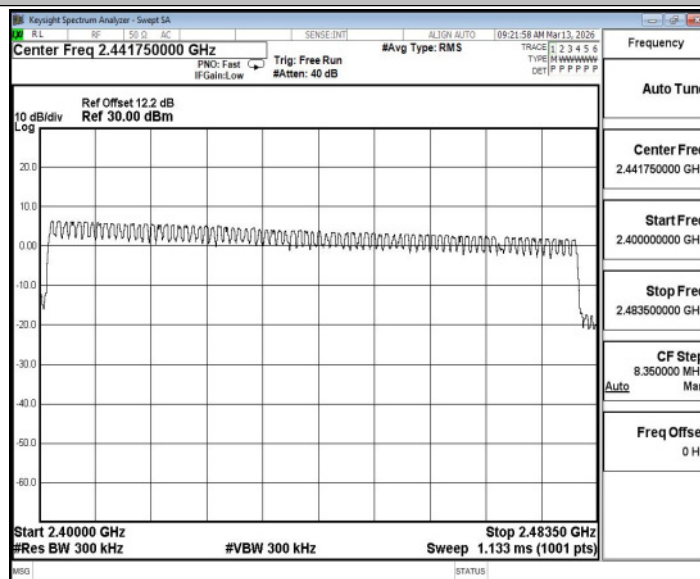
TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

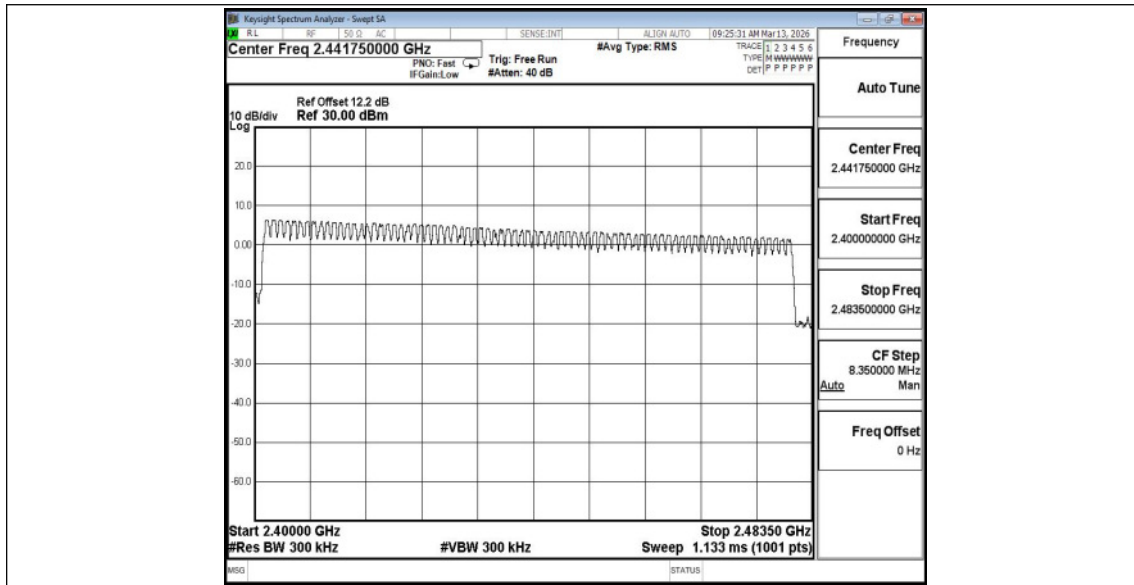
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



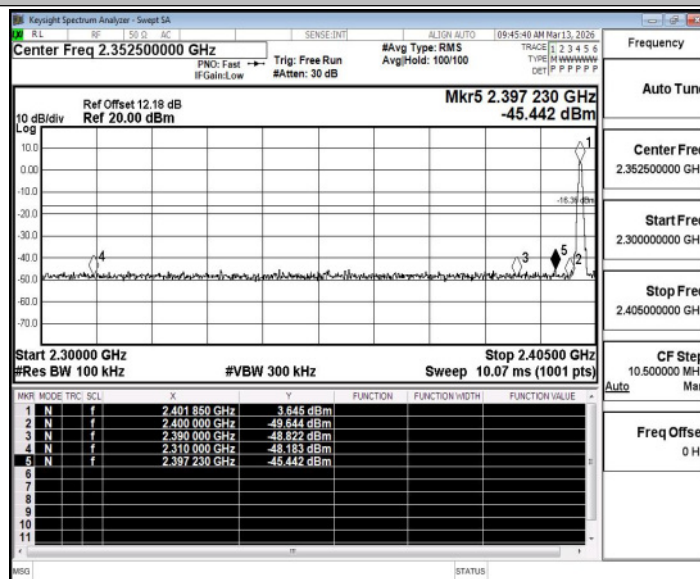
A.6 Band edge measurements

Test Result

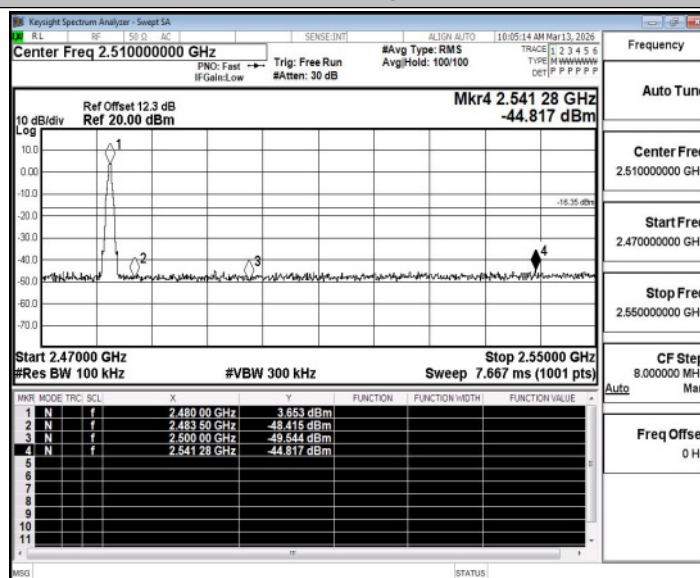
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.65	-45.44	≤-16.36	PASS
		High	2480	3.65	-44.82	≤-16.35	PASS
		Low	Hop_2402	1.11	-45.82	≤-18.89	PASS
		High	Hop_2480	2.60	-44.81	≤-17.4	PASS
2DH5	Ant1	Low	2402	0.17	-45.52	≤-19.83	PASS
		High	2480	2.60	-43.77	≤-17.4	PASS
		Low	Hop_2402	-0.78	-45.04	≤-20.78	PASS
		High	Hop_2480	1.01	-44.37	≤-18.99	PASS
3DH5	Ant1	Low	2402	-0.16	-44.39	≤-20.16	PASS
		High	2480	3.82	-44.97	≤-16.18	PASS
		Low	Hop_2402	-0.11	-45.53	≤-20.11	PASS
		High	Hop_2480	4.19	-44.83	≤-15.81	PASS

Test Graphs

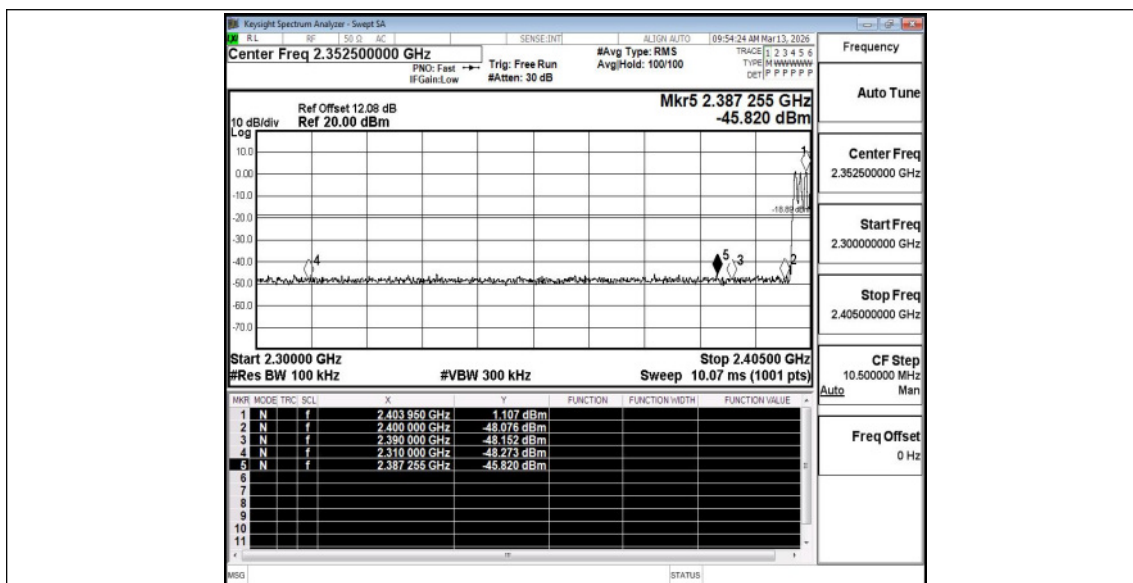
DH5_Ant1_Low_2402



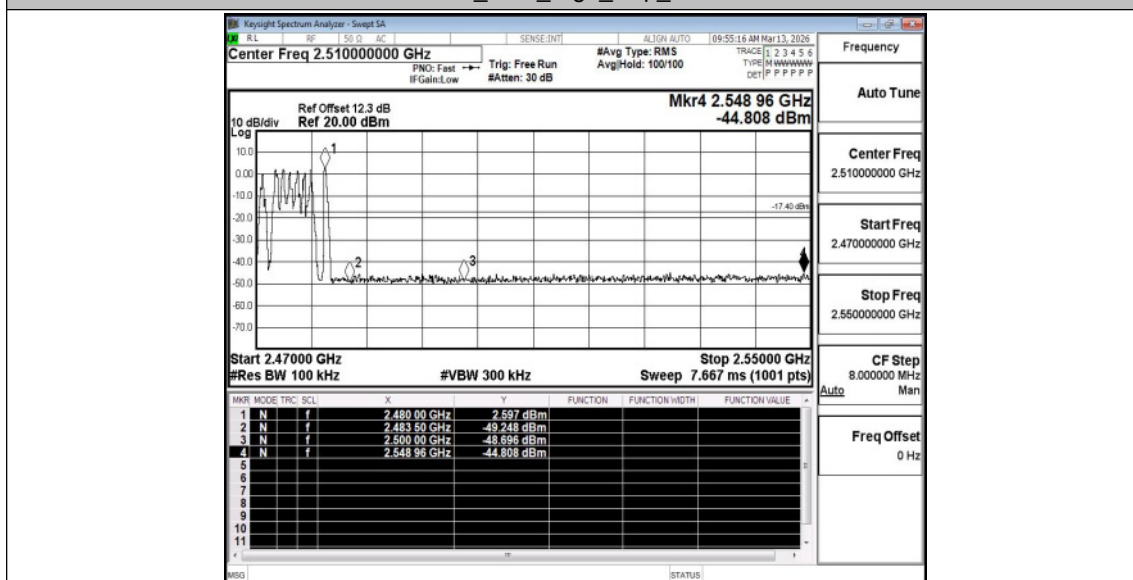
DH5_Ant1_High_2480



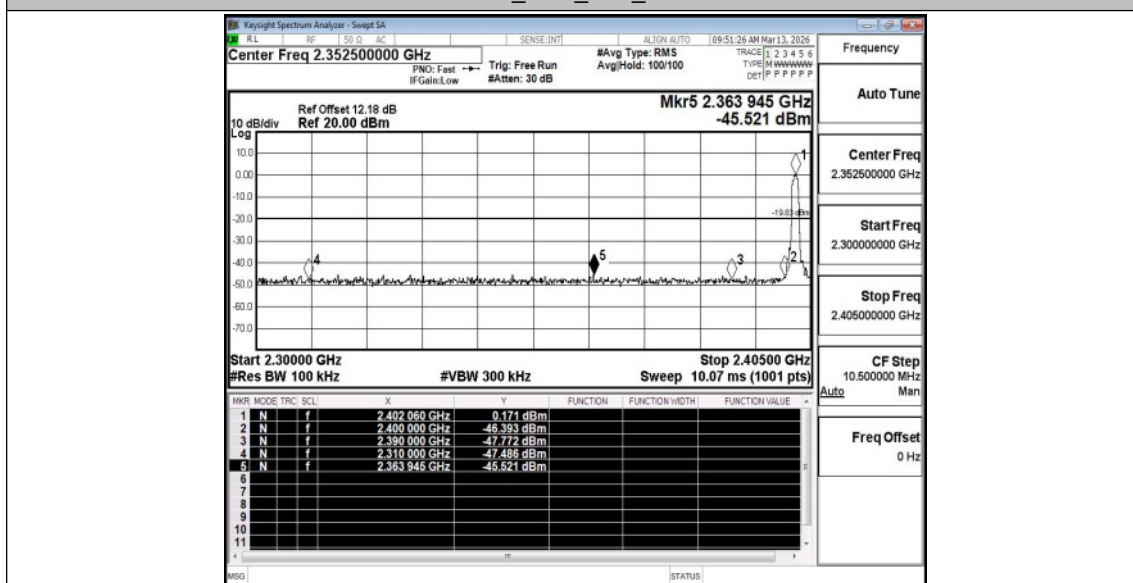
DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

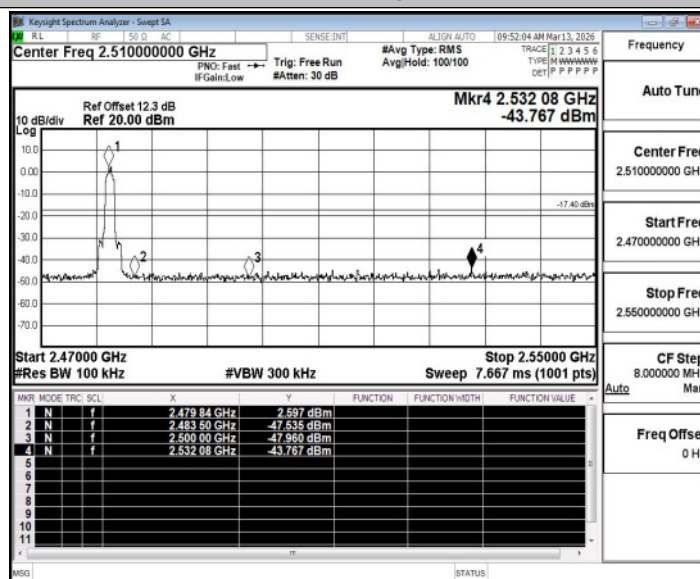


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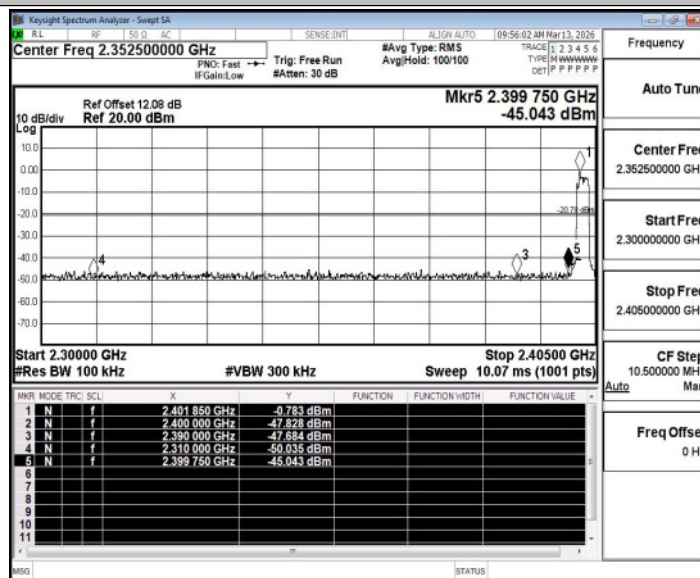
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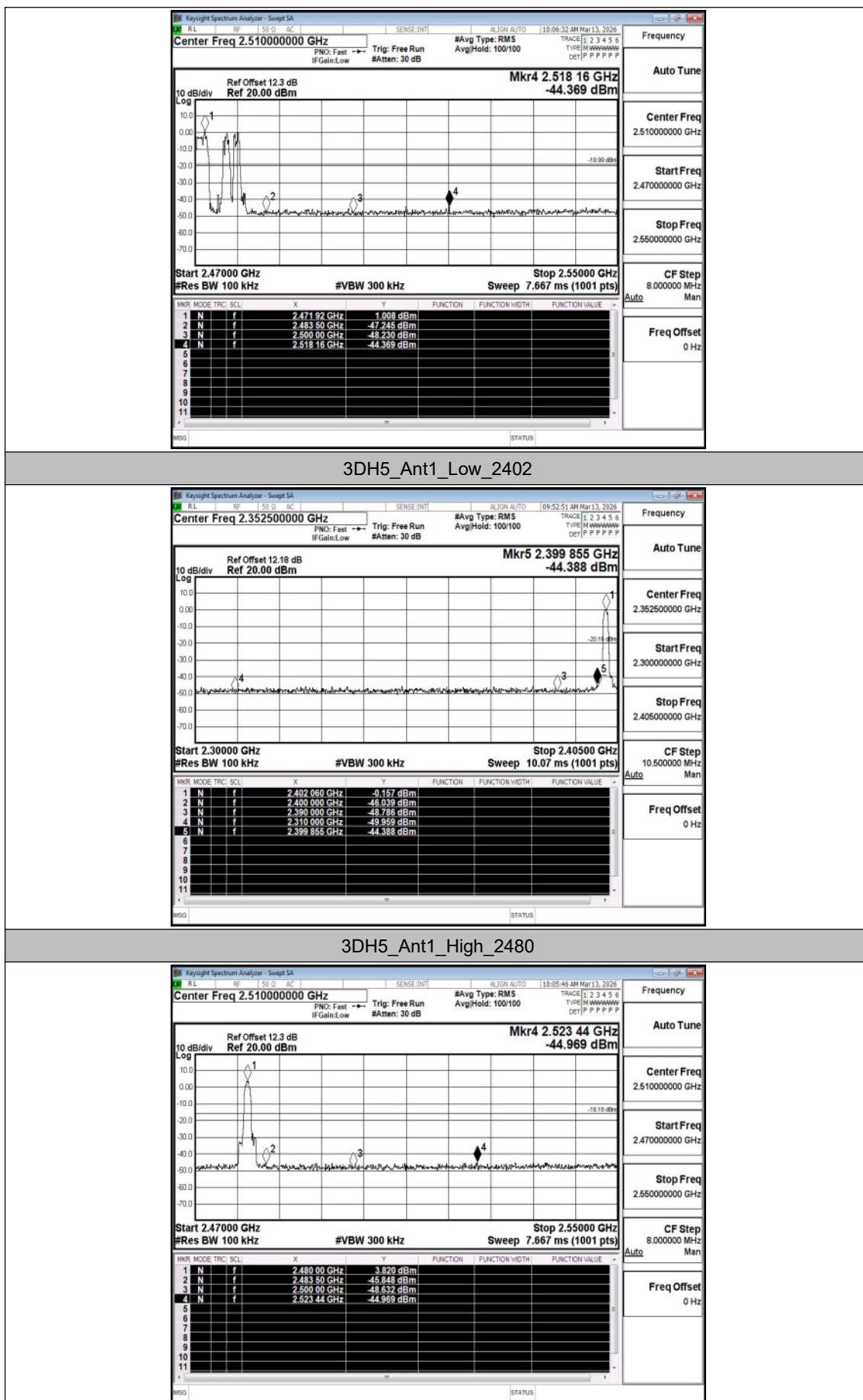
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

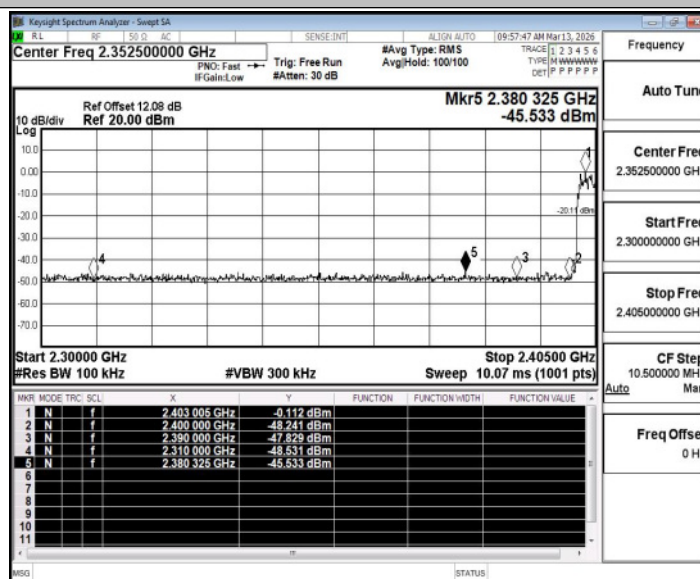


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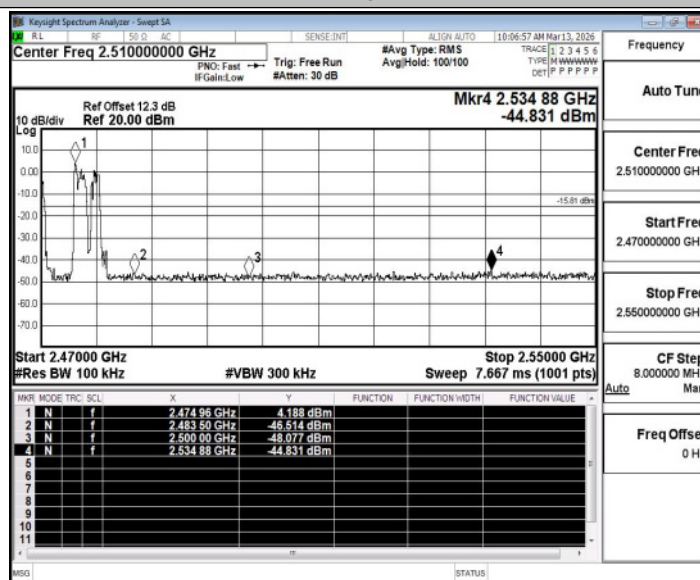
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3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

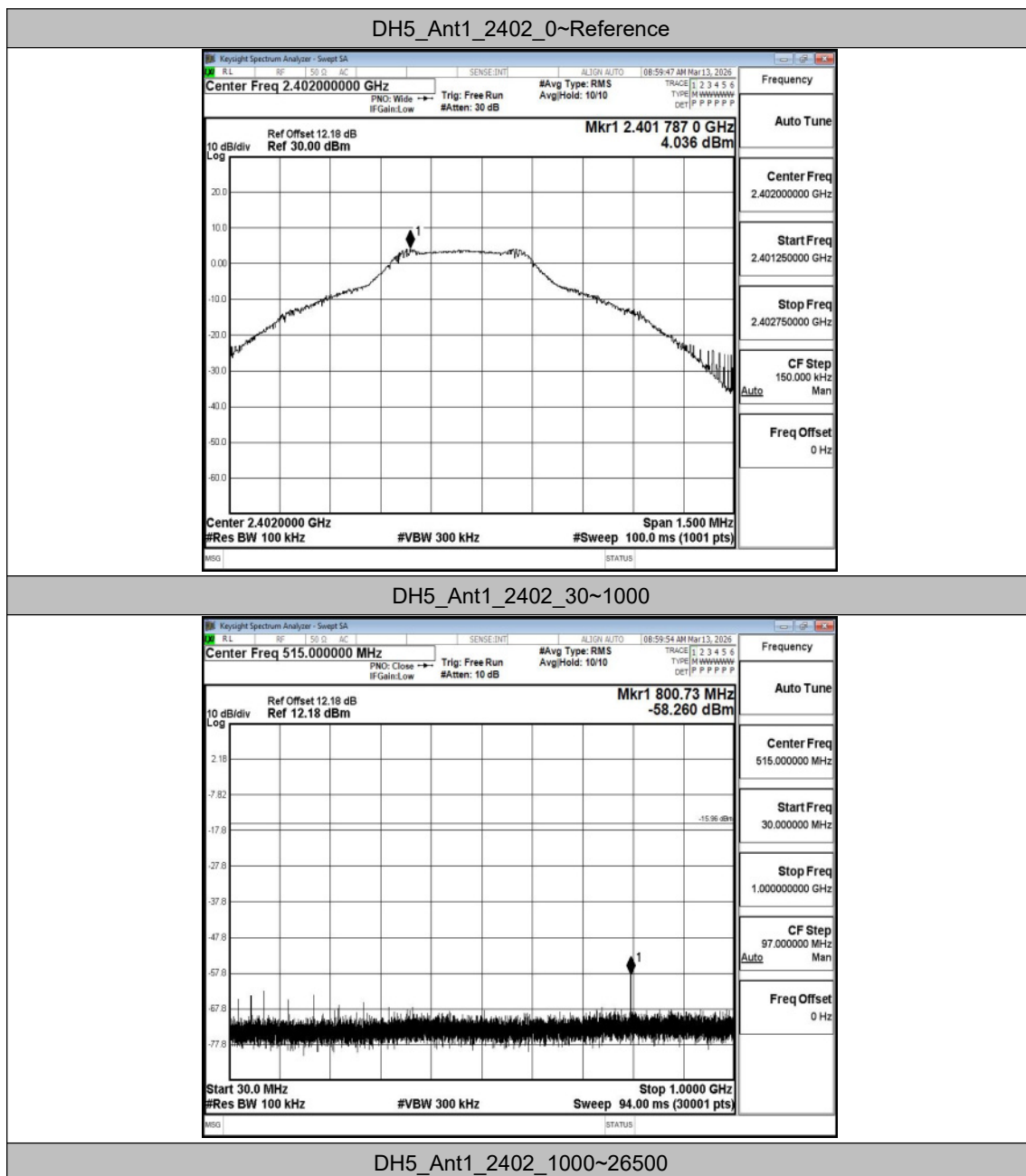


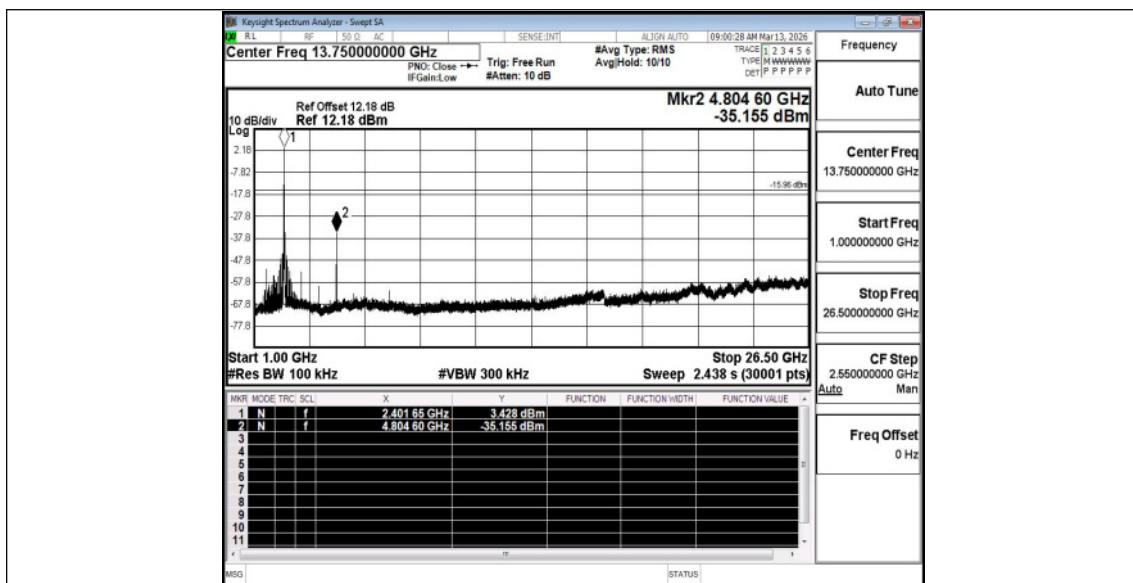
A.7 Conducted Spurious Emission

Test Result

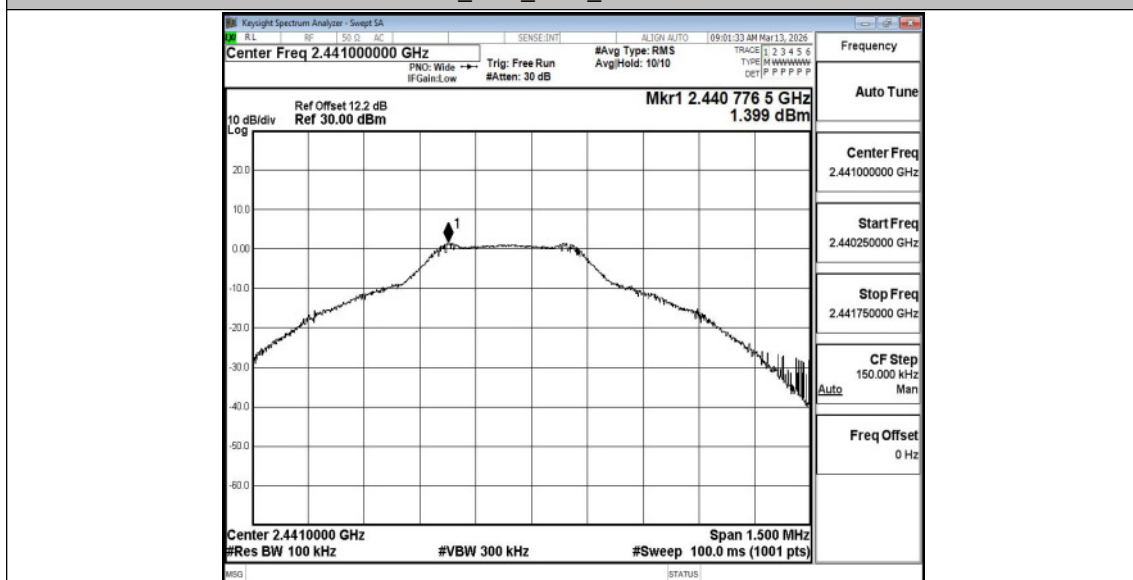
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-58.26	≤-15.96	PASS
			1000~26500	4.04	-35.16	≤-15.96	PASS
		2441	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-59.95	≤-18.6	PASS
			1000~26500	1.40	-40.05	≤-18.6	PASS
		2480	Reference	2.08	2.08	---	PASS
			30~1000	2.08	-43.95	≤-17.92	PASS
			1000~26500	2.08	-54.71	≤-17.92	PASS
2DH5	Ant1	2402	Reference	4.04	4.04	---	PASS
			30~1000	4.04	-55.23	≤-15.96	PASS
			1000~26500	4.04	-36.62	≤-15.96	PASS
		2441	Reference	1.37	1.37	---	PASS
			30~1000	1.37	-62.19	≤-18.63	PASS
			1000~26500	1.37	-42.49	≤-18.63	PASS
		2480	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-54.15	≤-18.51	PASS
			1000~26500	1.49	-39.65	≤-18.51	PASS
3DH5	Ant1	2402	Reference	4.02	4.02	---	PASS
			30~1000	4.02	-62.81	≤-15.98	PASS
			1000~26500	4.02	-42.46	≤-15.98	PASS
		2441	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-61.86	≤-18.6	PASS
			1000~26500	1.40	-46.18	≤-18.6	PASS
		2480	Reference	1.50	1.50	---	PASS
			30~1000	1.50	-62.32	≤-18.5	PASS
			1000~26500	1.50	-40.71	≤-18.5	PASS

Test Graphs

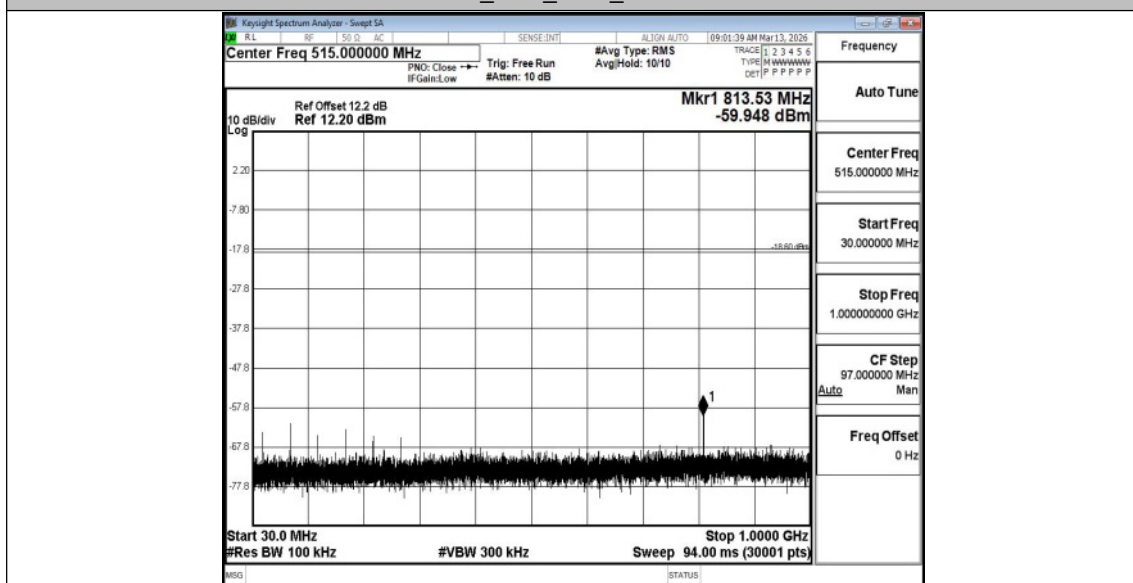




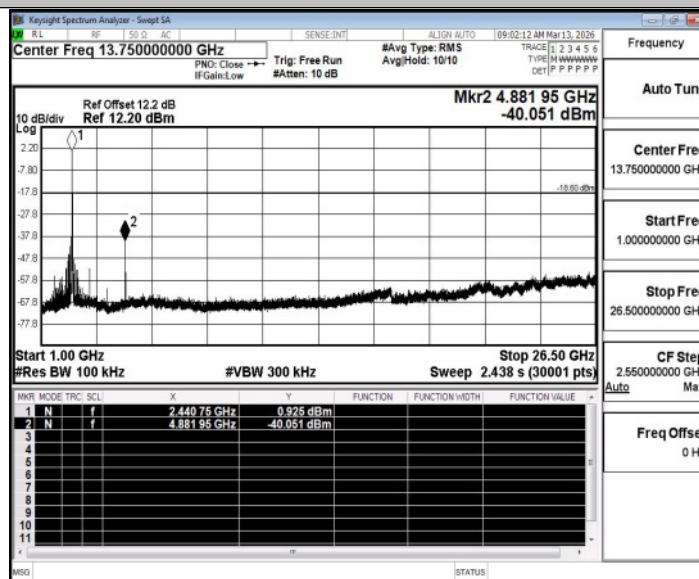
DH5_Ant1_2441_0~Reference



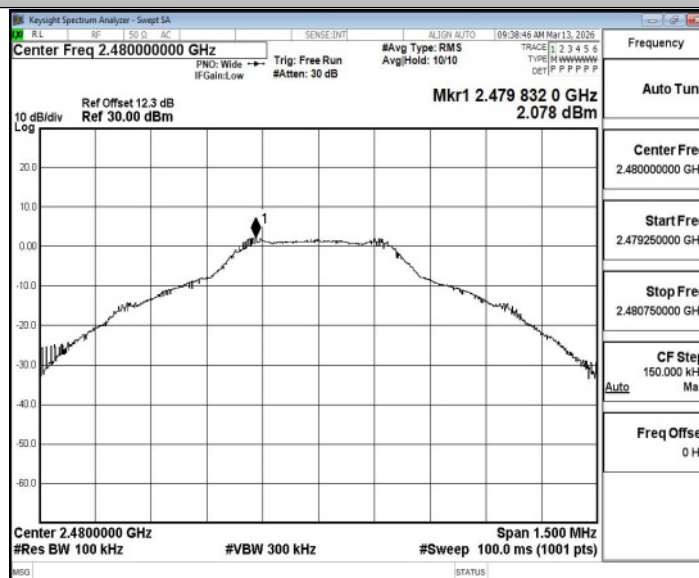
DH5_Ant1_2441_30~1000



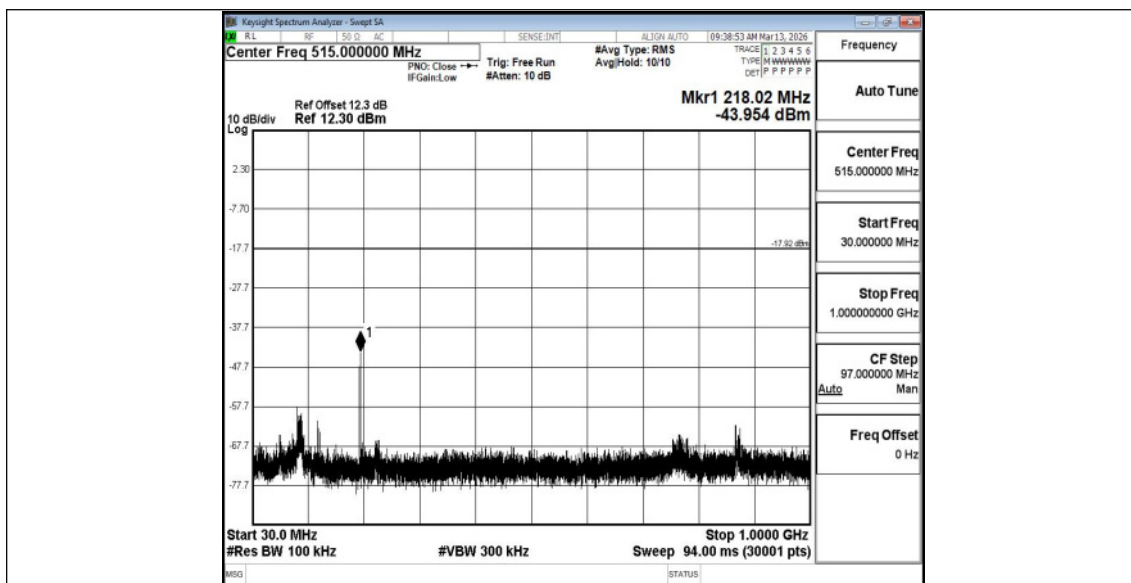
DH5_Ant1_2441_1000~26500



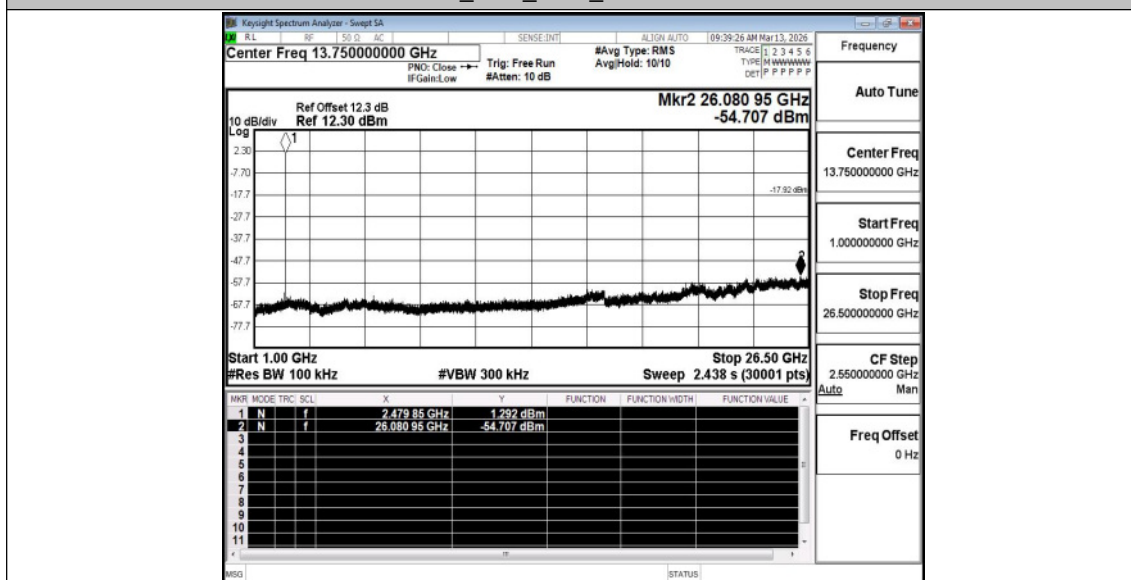
DH5_Ant1_2480_0~Reference



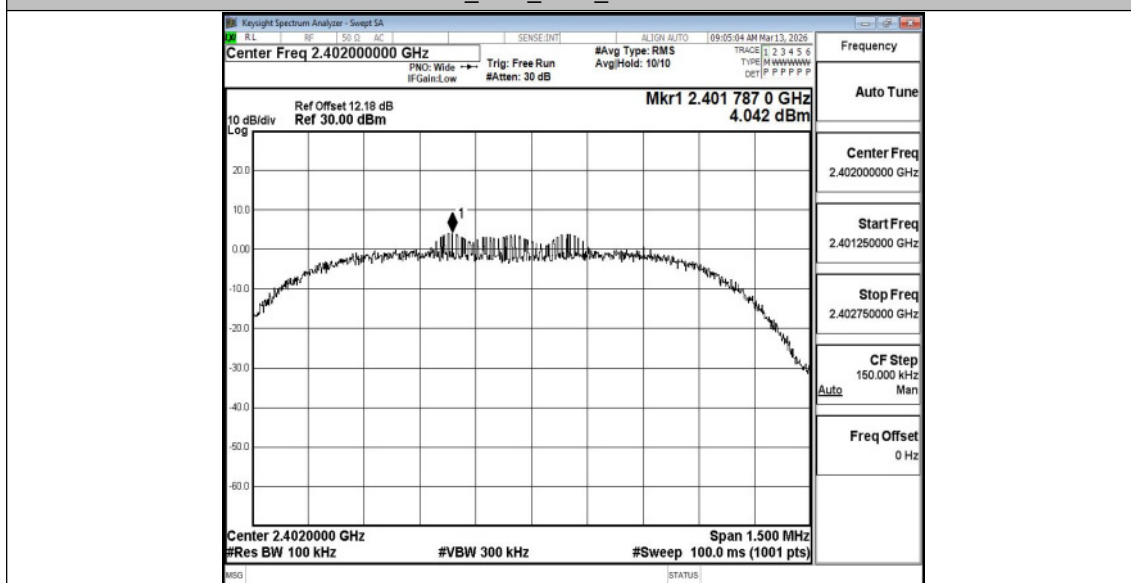
DH5_Ant1_2480_30~1000



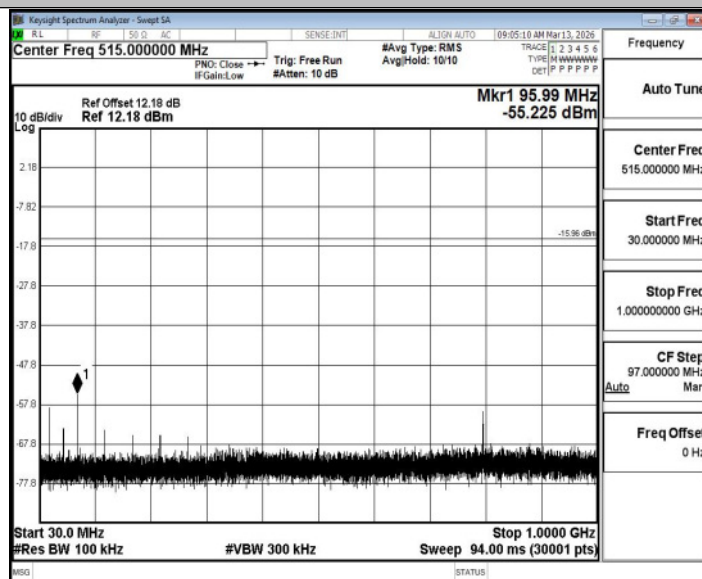
DH5_Ant1_2480_1000~26500



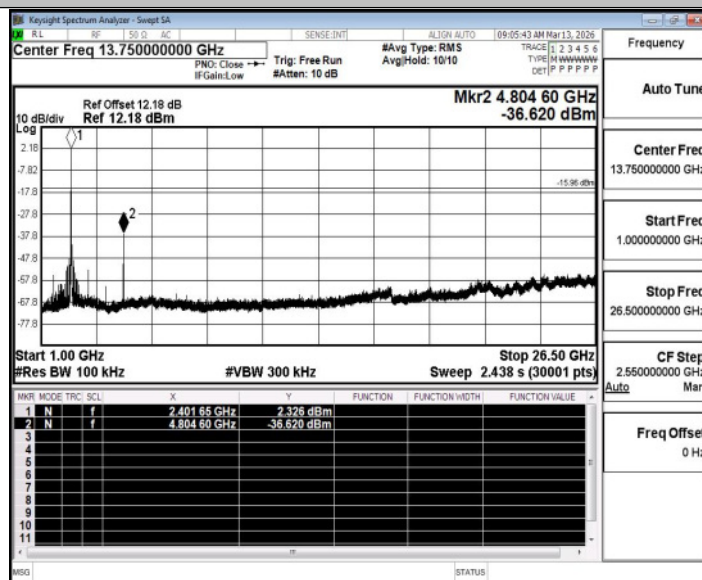
2DH5_Ant1_2402_0~Reference



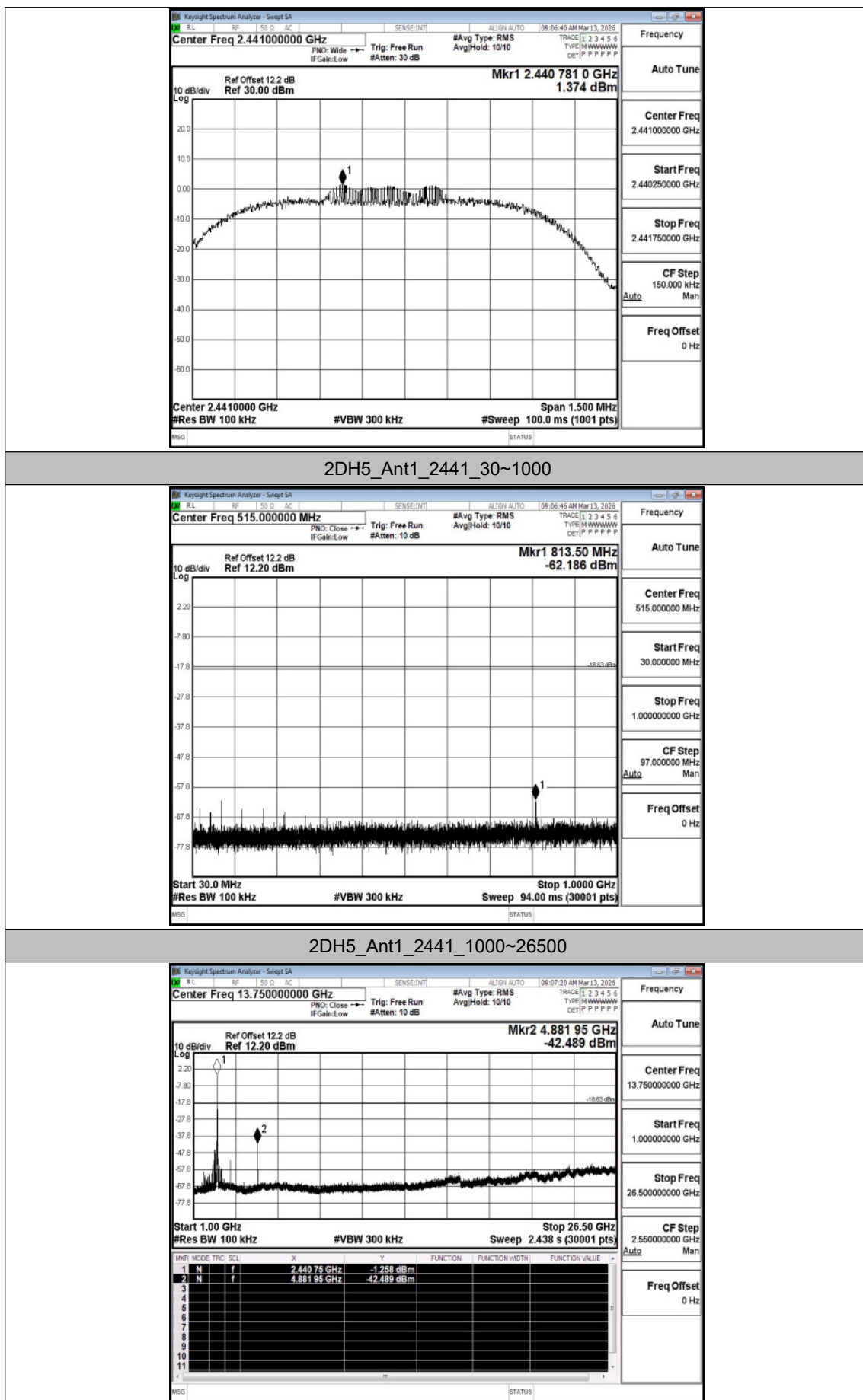
2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference

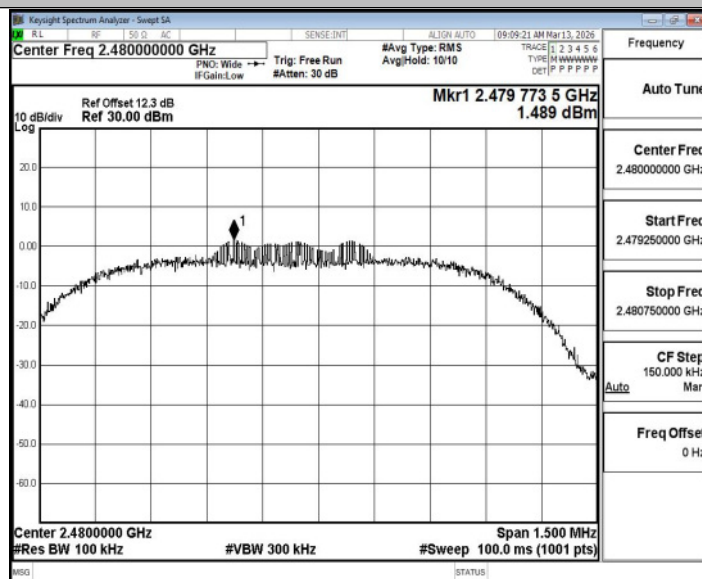


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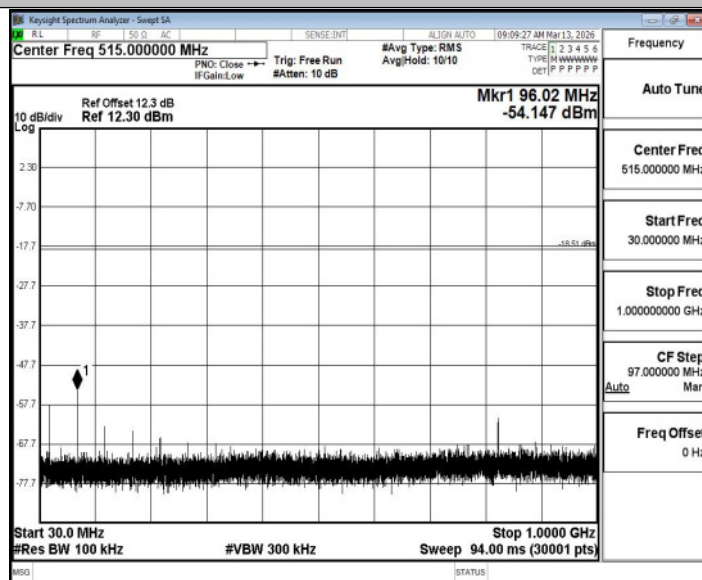
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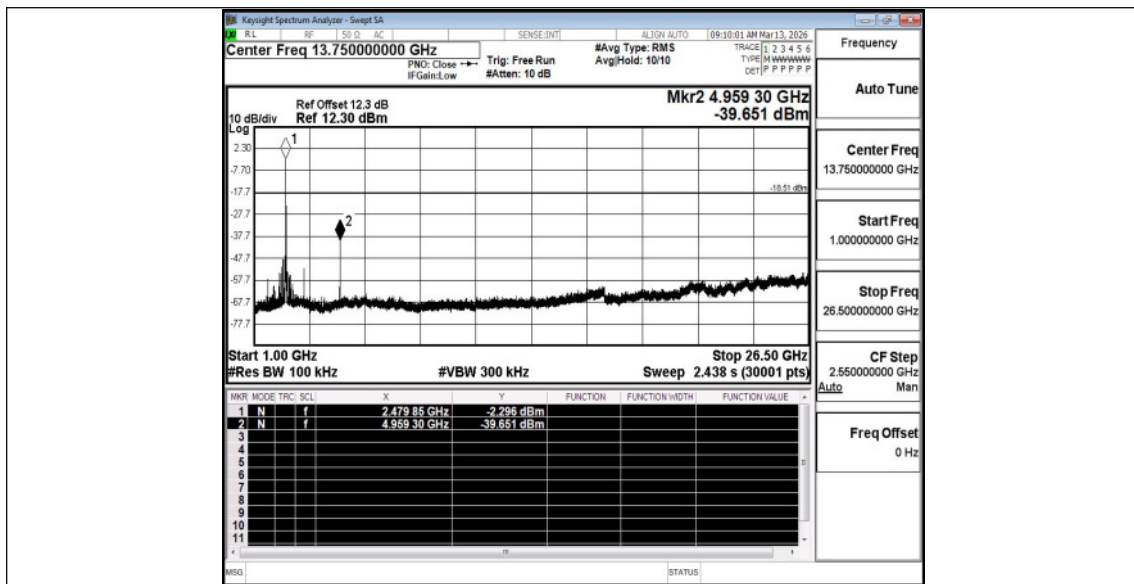
2DH5_Ant1_2480_0~Reference



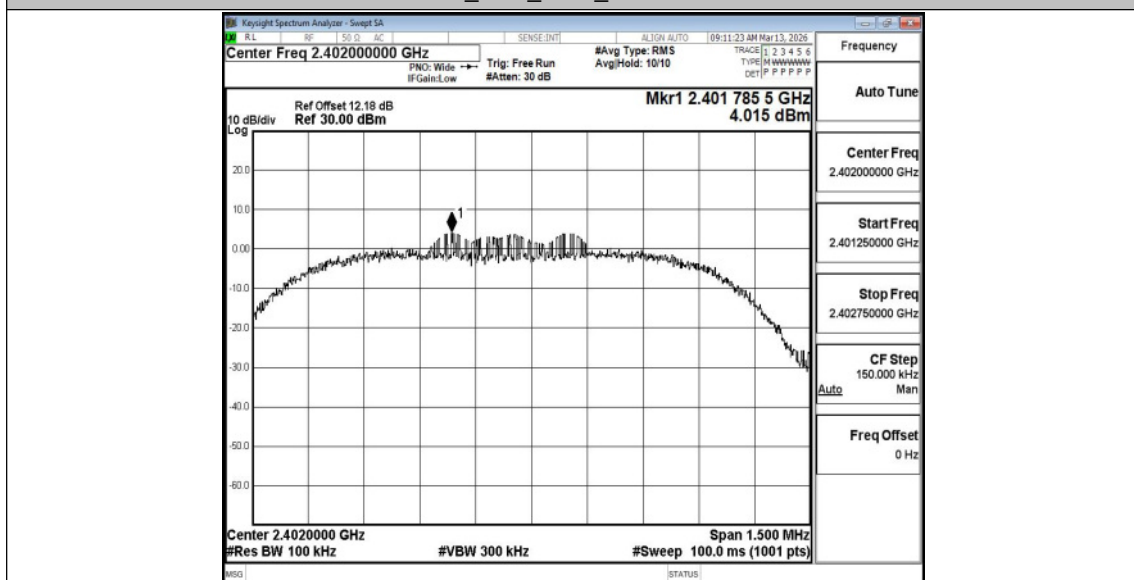
2DH5_Ant1_2480_30~1000



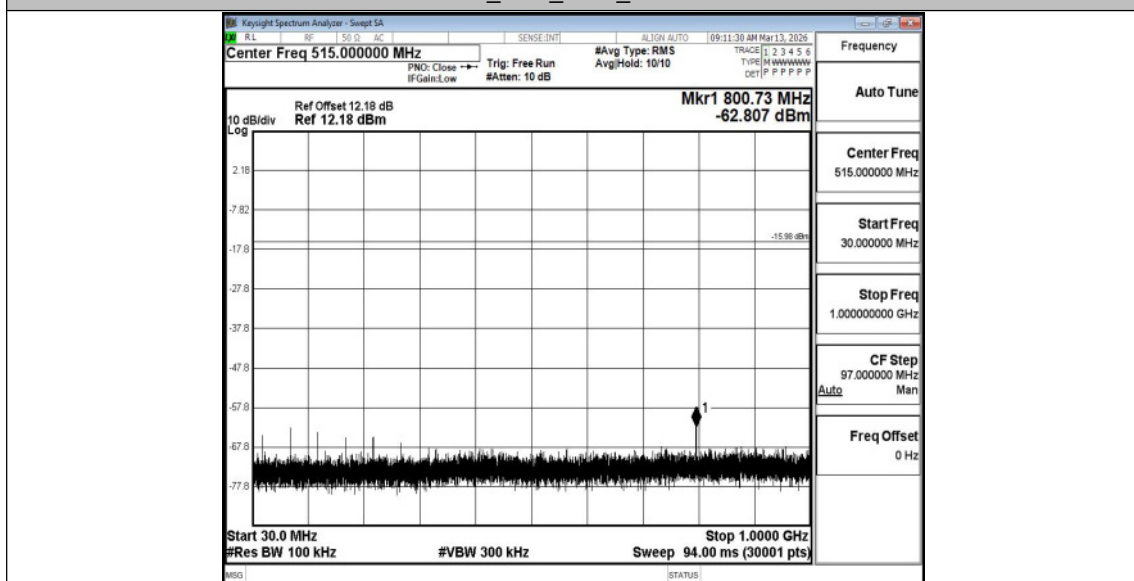
2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



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