

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Portable Wireless Display Monitor
Test Model: MVT89PDBW

Environmental Conditions

Temperature:	24.9°C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang Hai
Supervised by:	Fengliu Tang

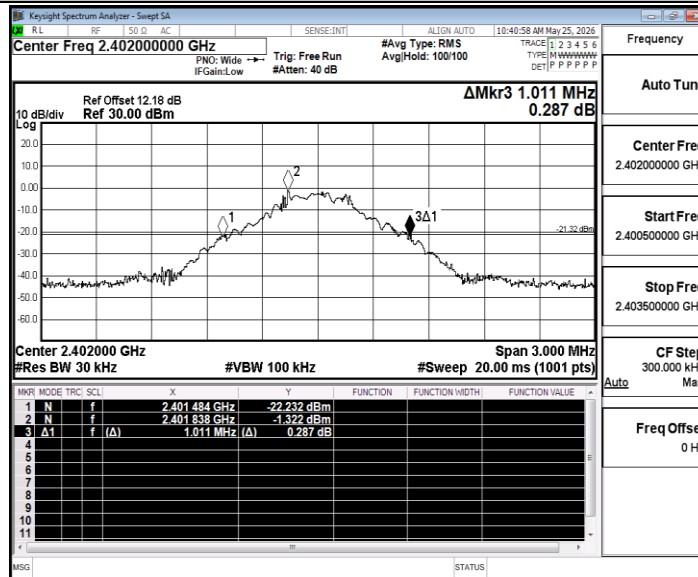
A.1 20dB Bandwidth

Test Result

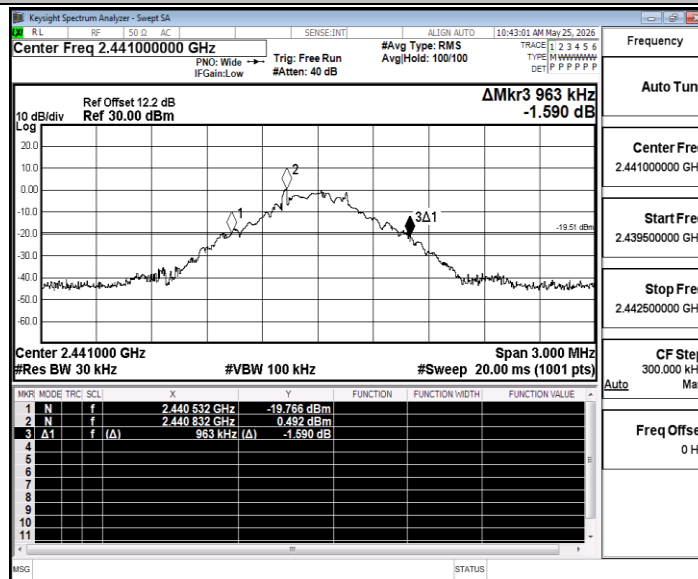
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.011	2401.484	2402.495	---	---
		2441	0.963	2440.532	2441.495	---	---
		2480	0.948	2479.532	2480.480	---	---
2DH5	Ant1	2402	1.296	2401.355	2402.651	---	---
		2441	1.299	2440.349	2441.648	---	---
		2480	1.290	2479.355	2480.645	---	---
3DH5	Ant1	2402	1.299	2401.346	2402.645	---	---
		2441	1.296	2440.346	2441.642	---	---
		2480	1.299	2479.343	2480.642	---	---

Test Graphs

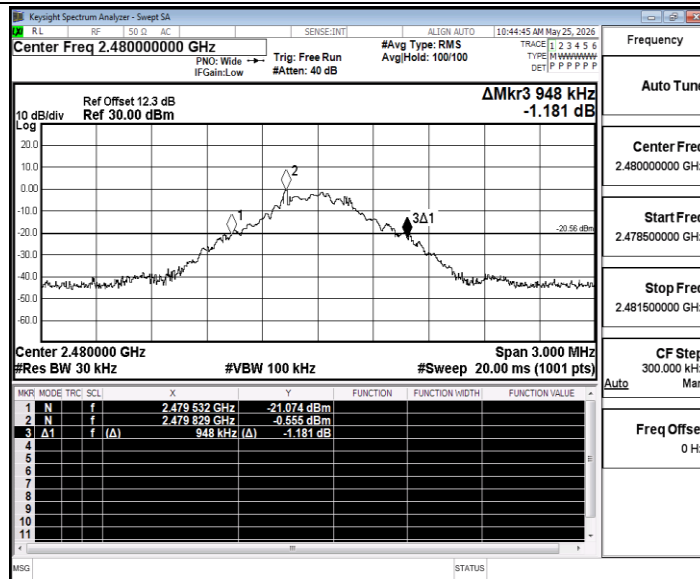
DH5_Ant1_2402



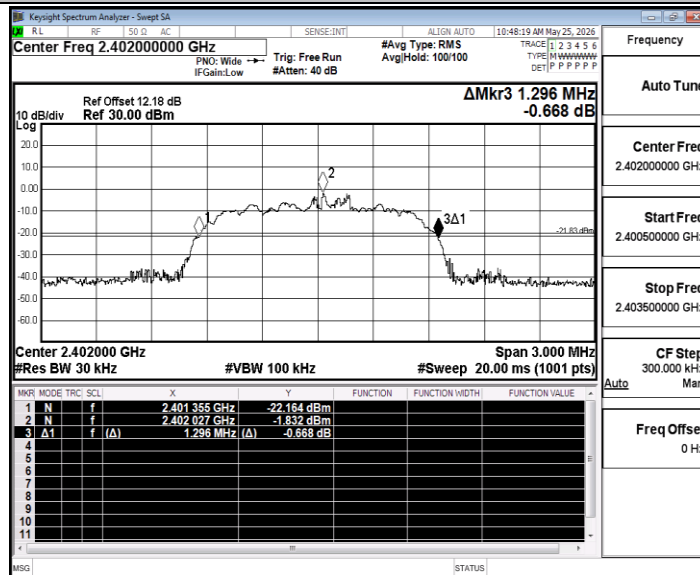
DH5_Ant1_2441



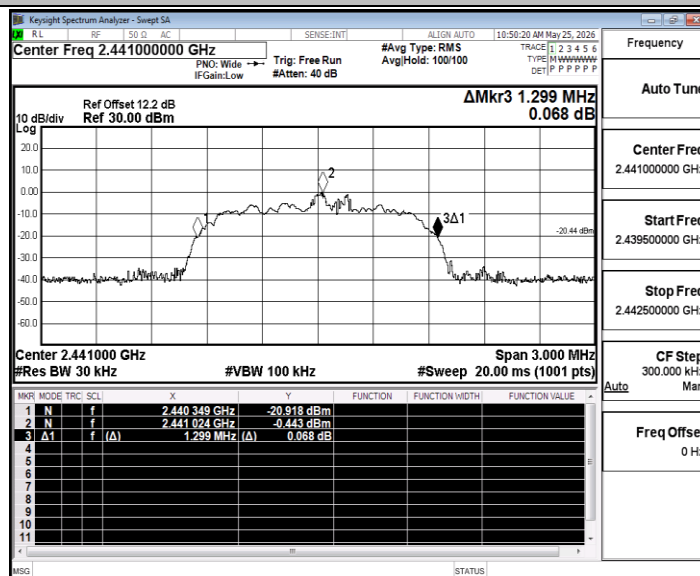
DH5_Ant1_2480



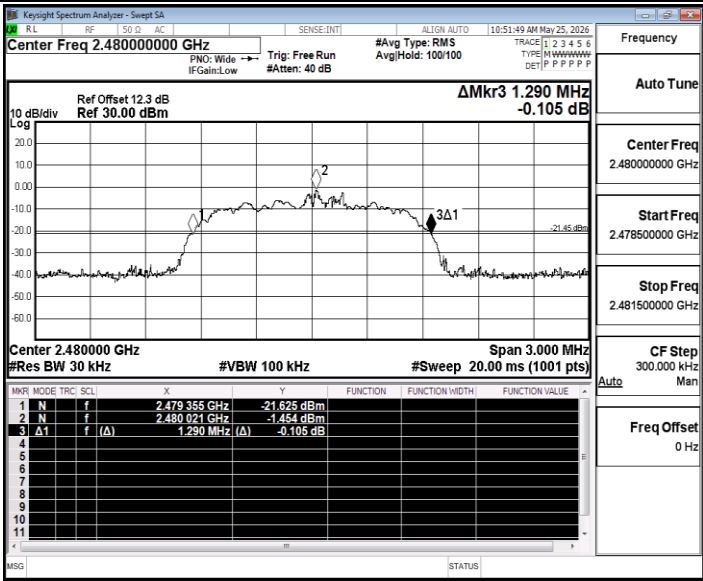
2DH5_Ant1_2402



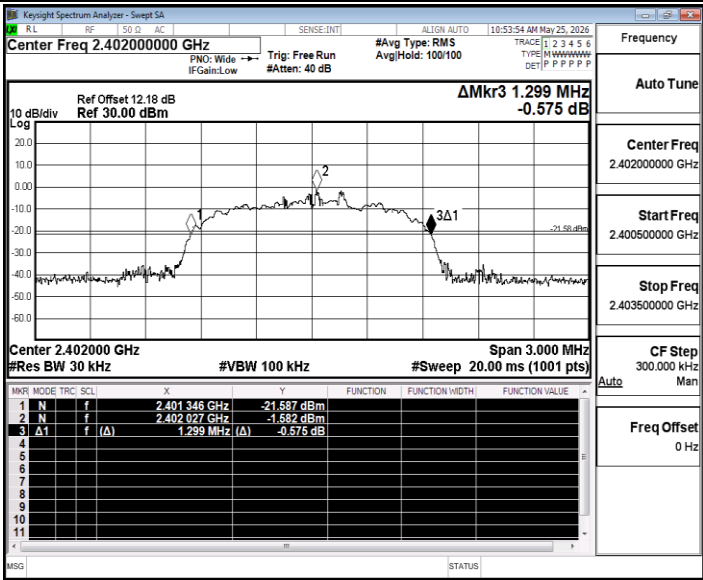
2DH5_Ant1_2441



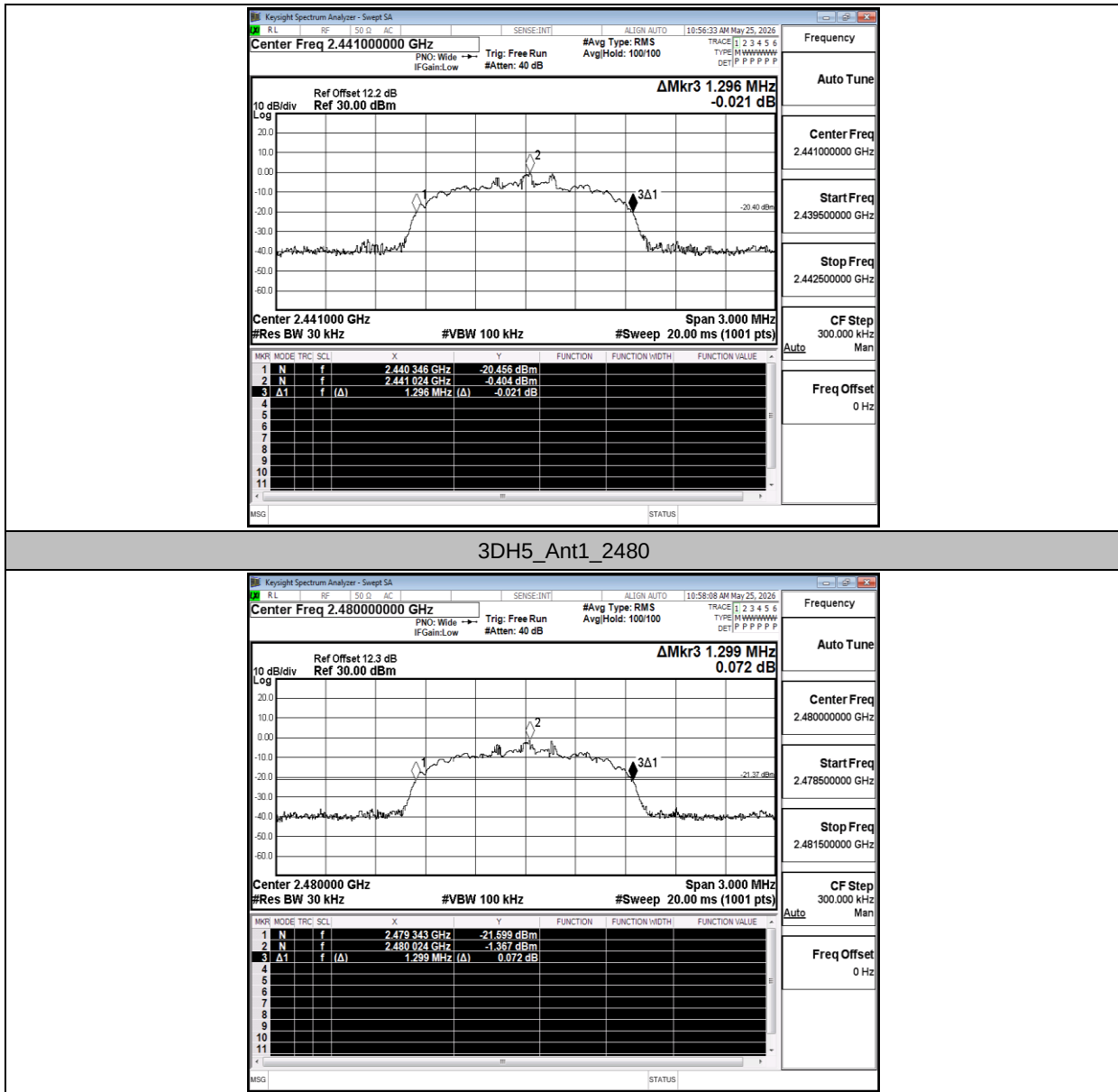
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

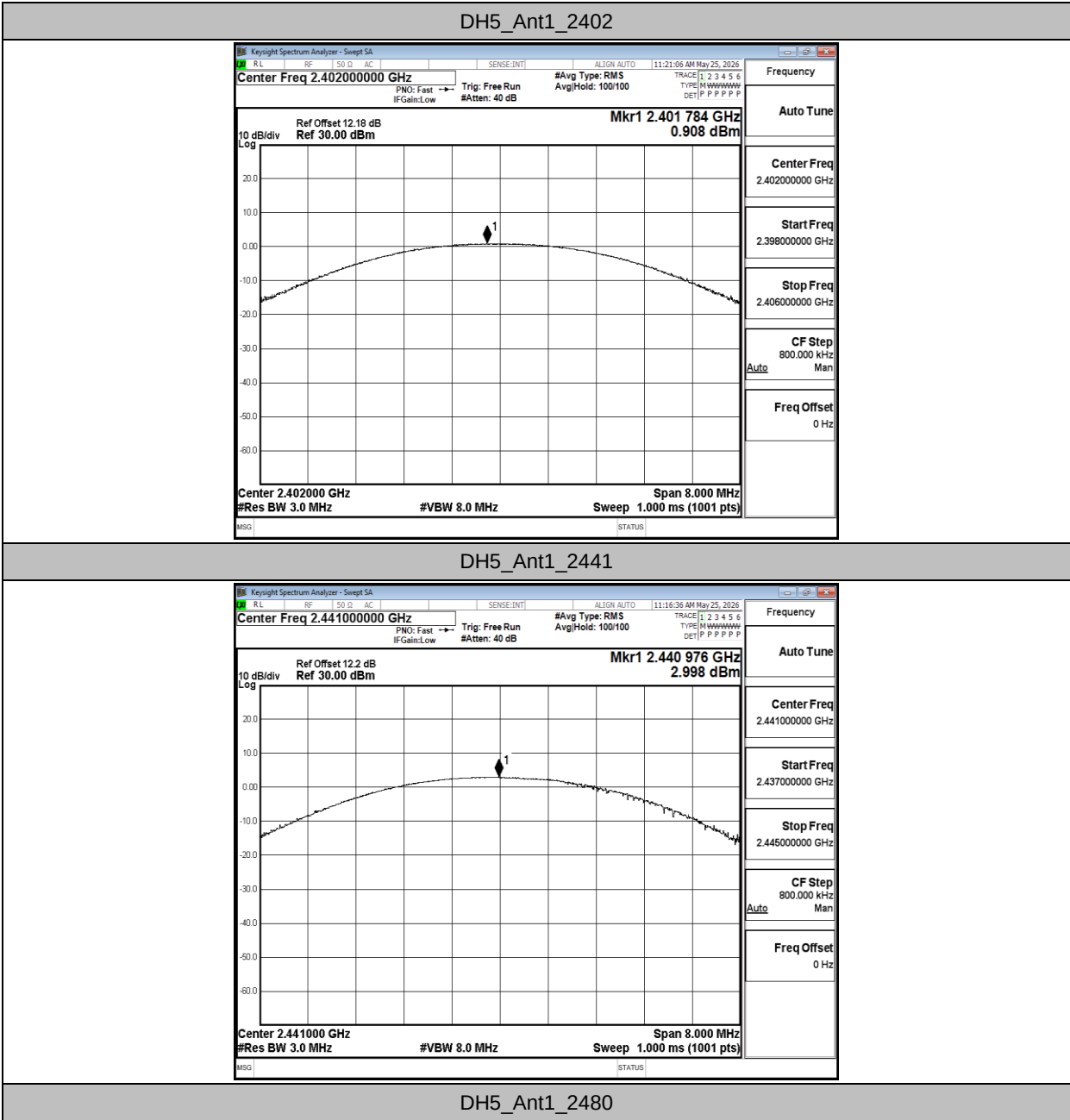


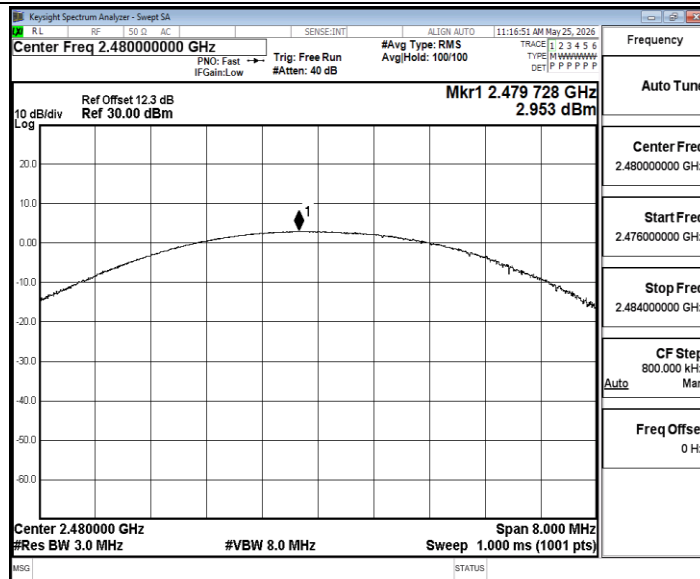
A.2 Maximum Peak Conducted Output Power

Test Result Peak

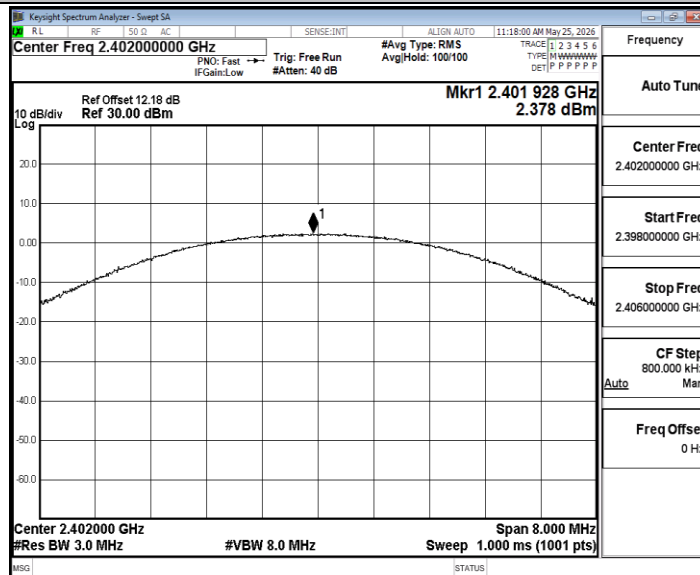
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.91	≤30	PASS
		2441	3.00	≤30	PASS
		2480	2.95	≤30	PASS
2DH5	Ant1	2402	2.38	≤30	PASS
		2441	3.43	≤30	PASS
		2480	2.43	≤30	PASS
3DH5	Ant1	2402	2.66	≤30	PASS
		2441	3.52	≤30	PASS
		2480	2.45	≤30	PASS

Test Graphs

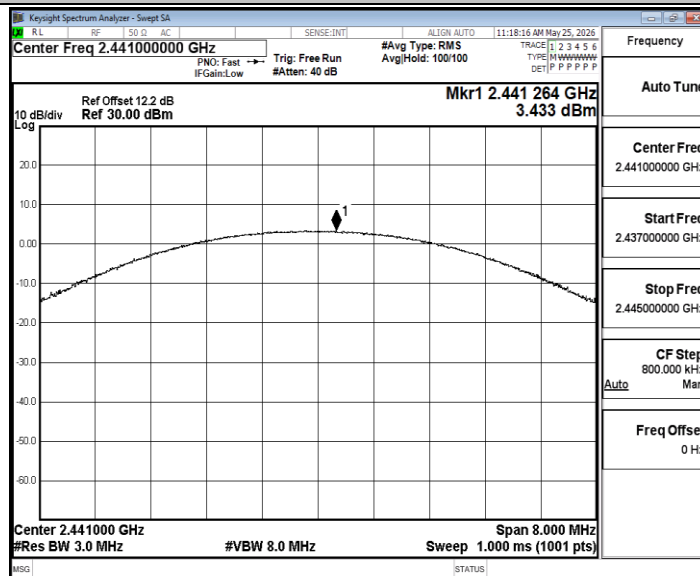




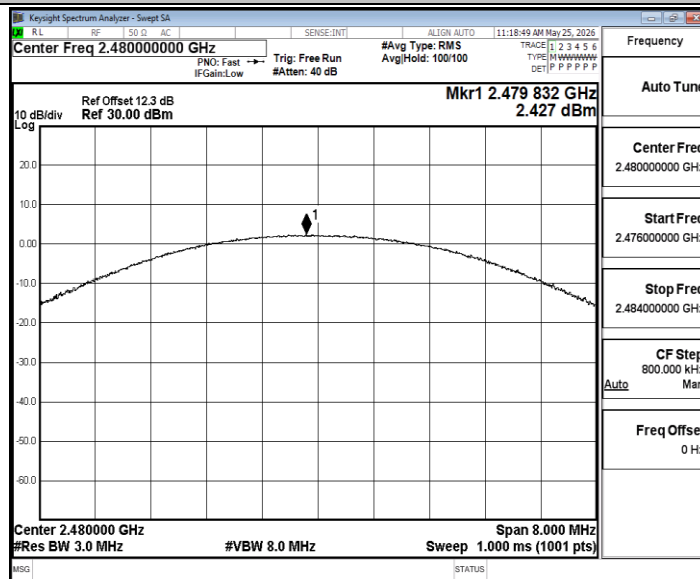
2DH5_Ant1_2402



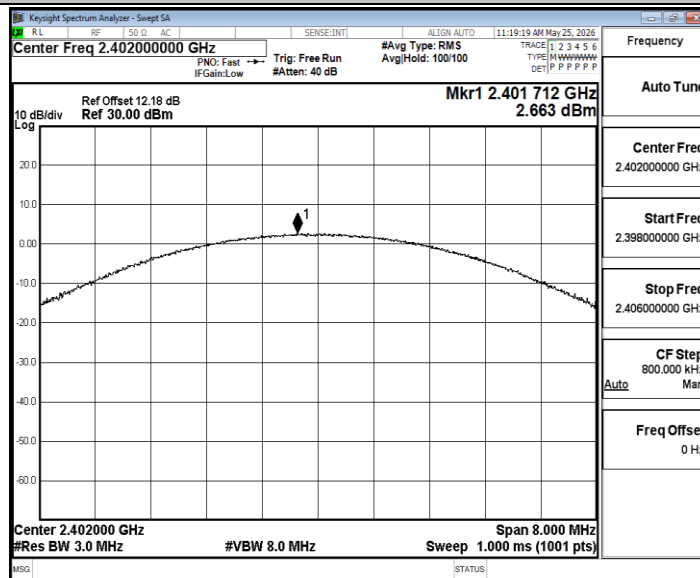
2DH5_Ant1_2441



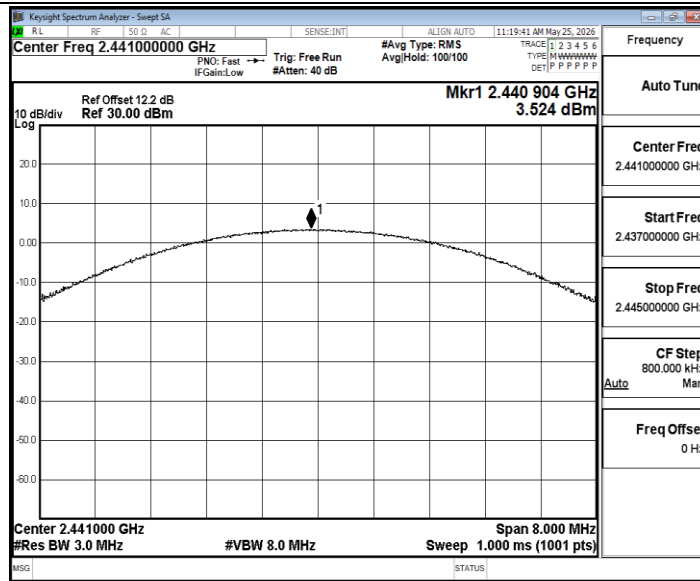
2DH5_Ant1_2480



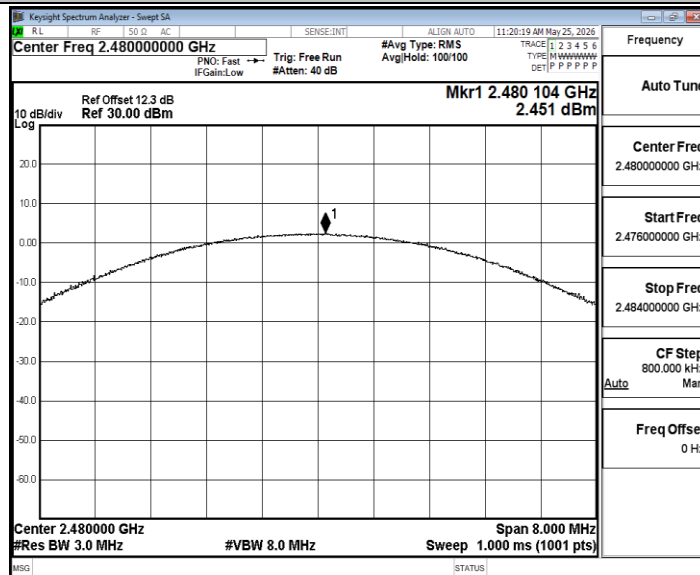
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

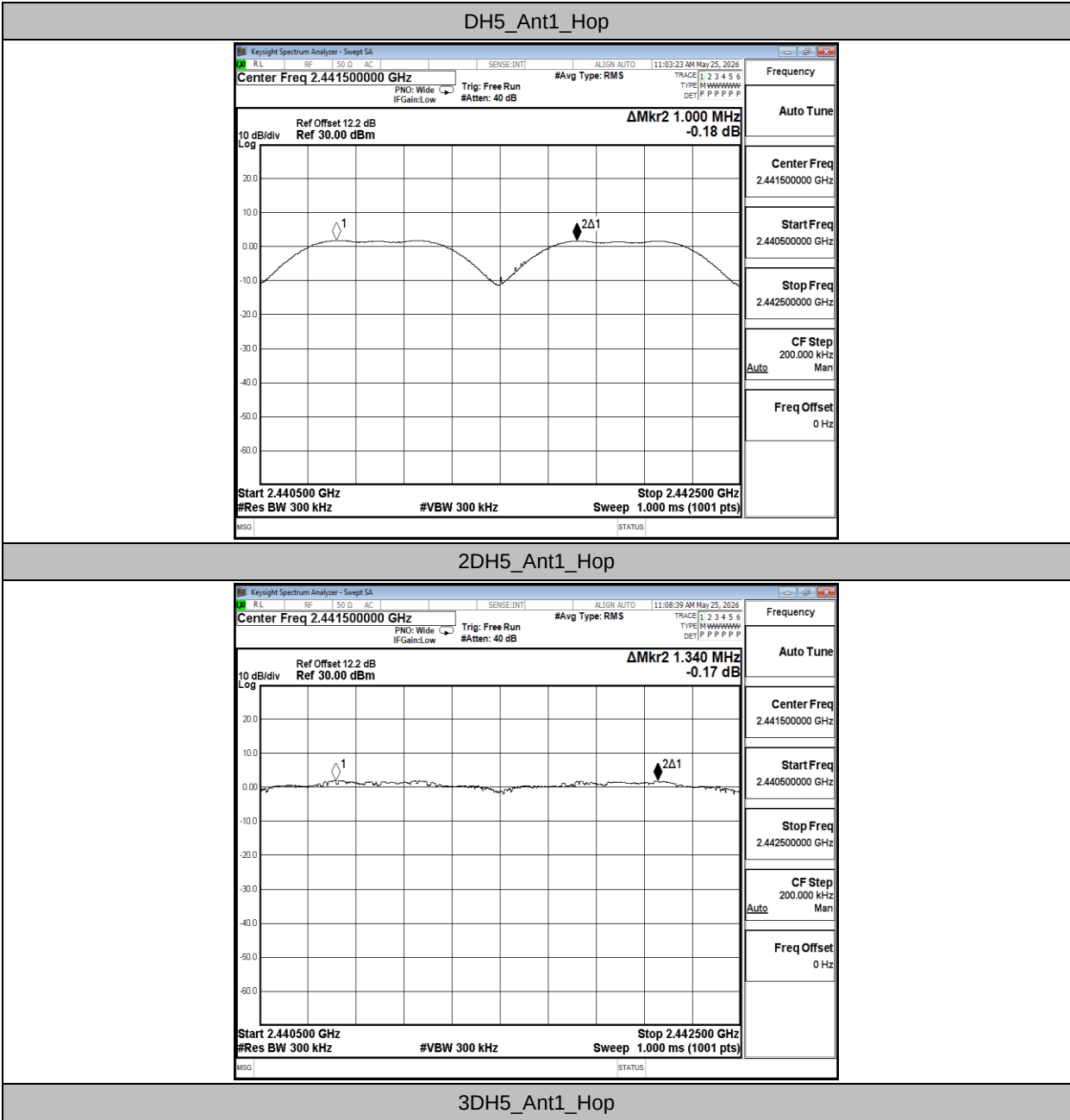


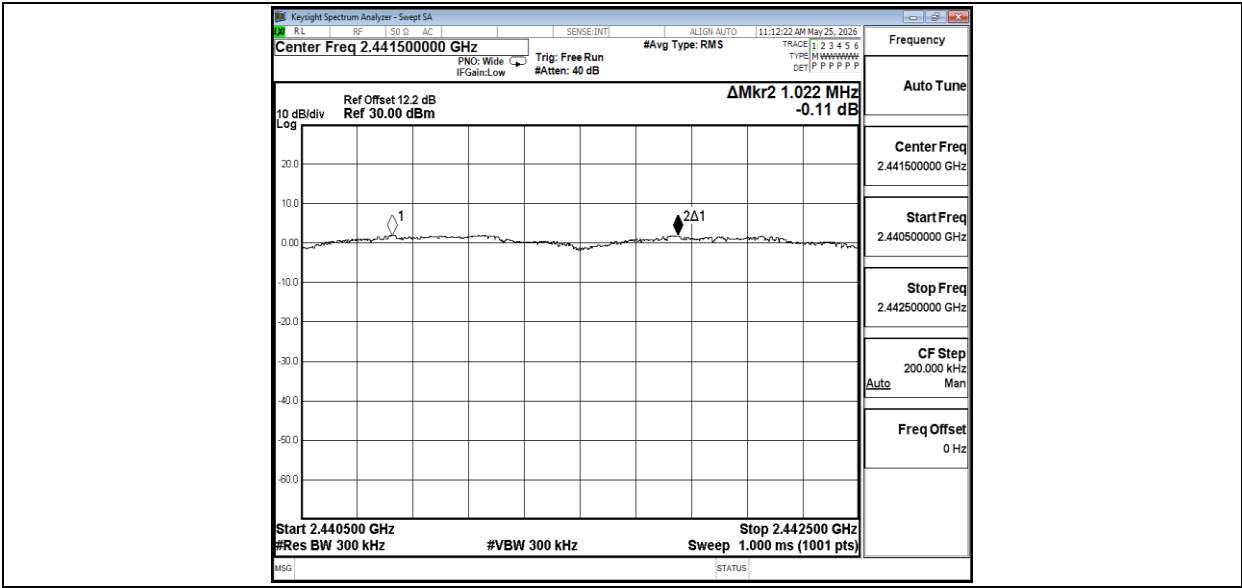
A.3 Carrier Frequencies Separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.674	PASS
2DH5	Ant1	Hop	1.34	≥ 0.866	PASS
3DH5	Ant1	Hop	1.022	≥ 0.866	PASS

Test Graphs



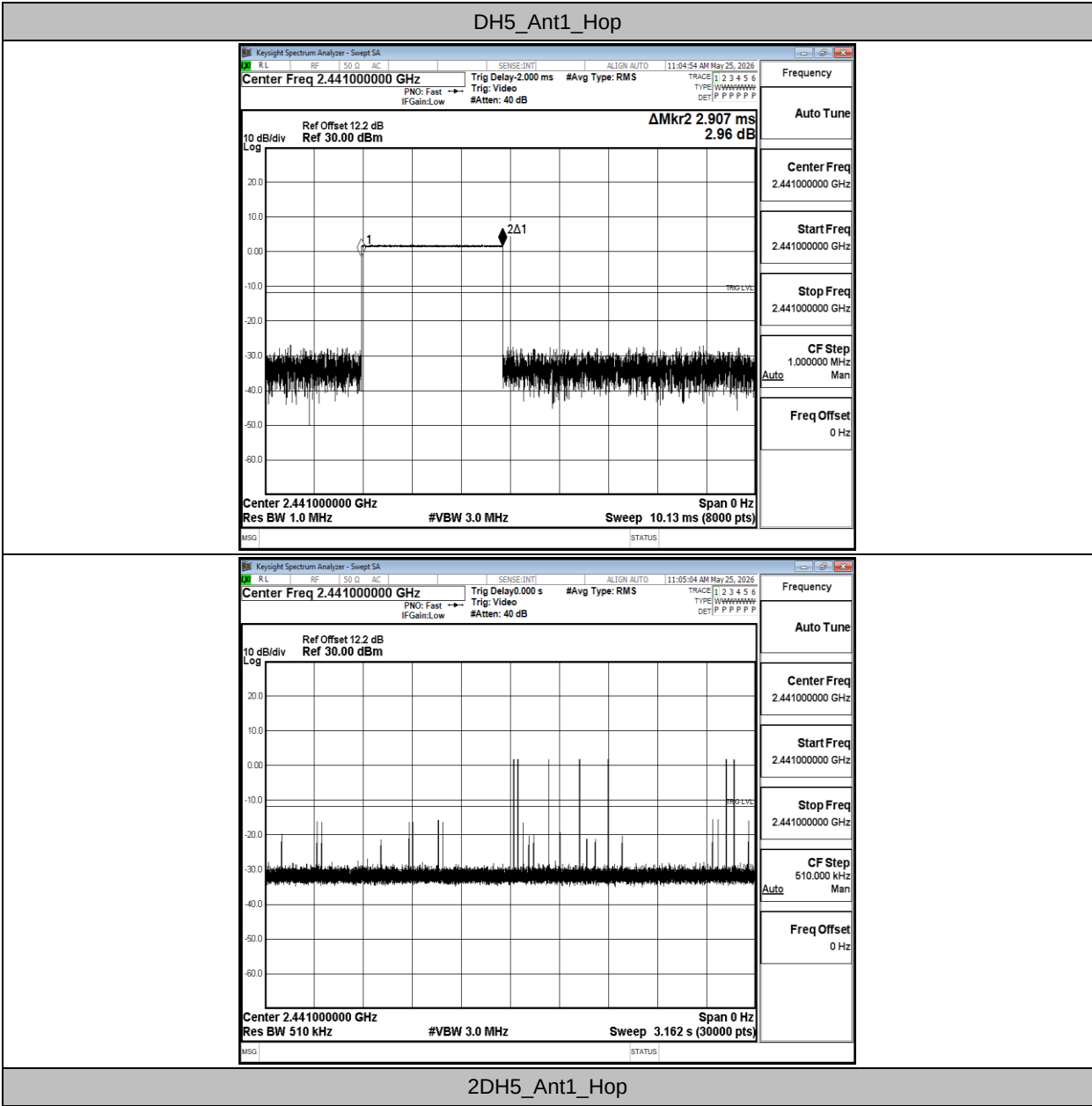


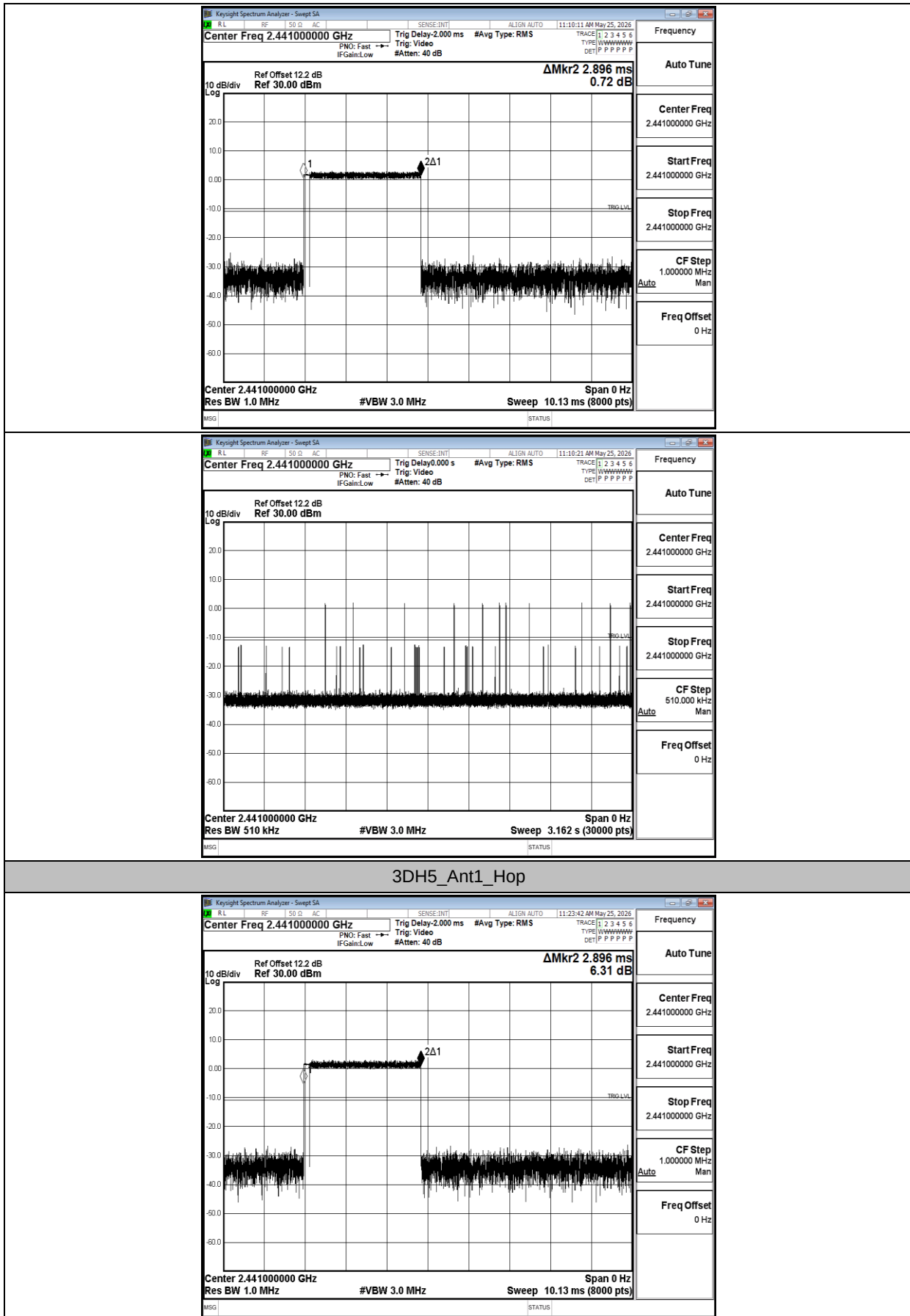
A.4 Dwell Time

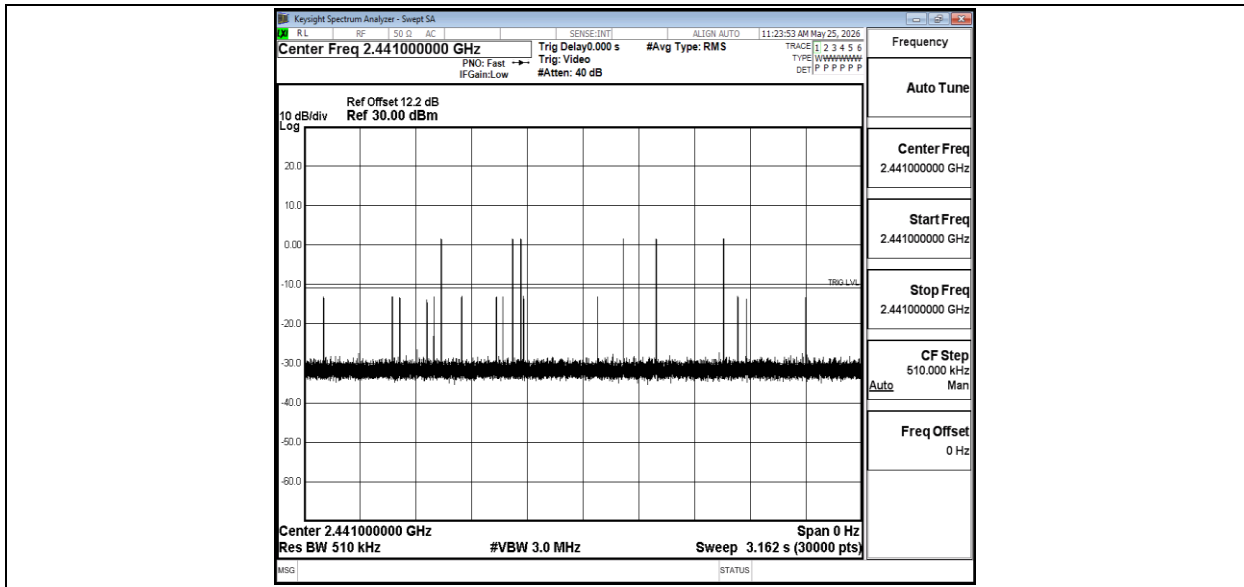
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.896	120	0.348	≤0.4	PASS
3DH5	Ant1	Hop	2.896	80	0.232	≤0.4	PASS

Test Graphs





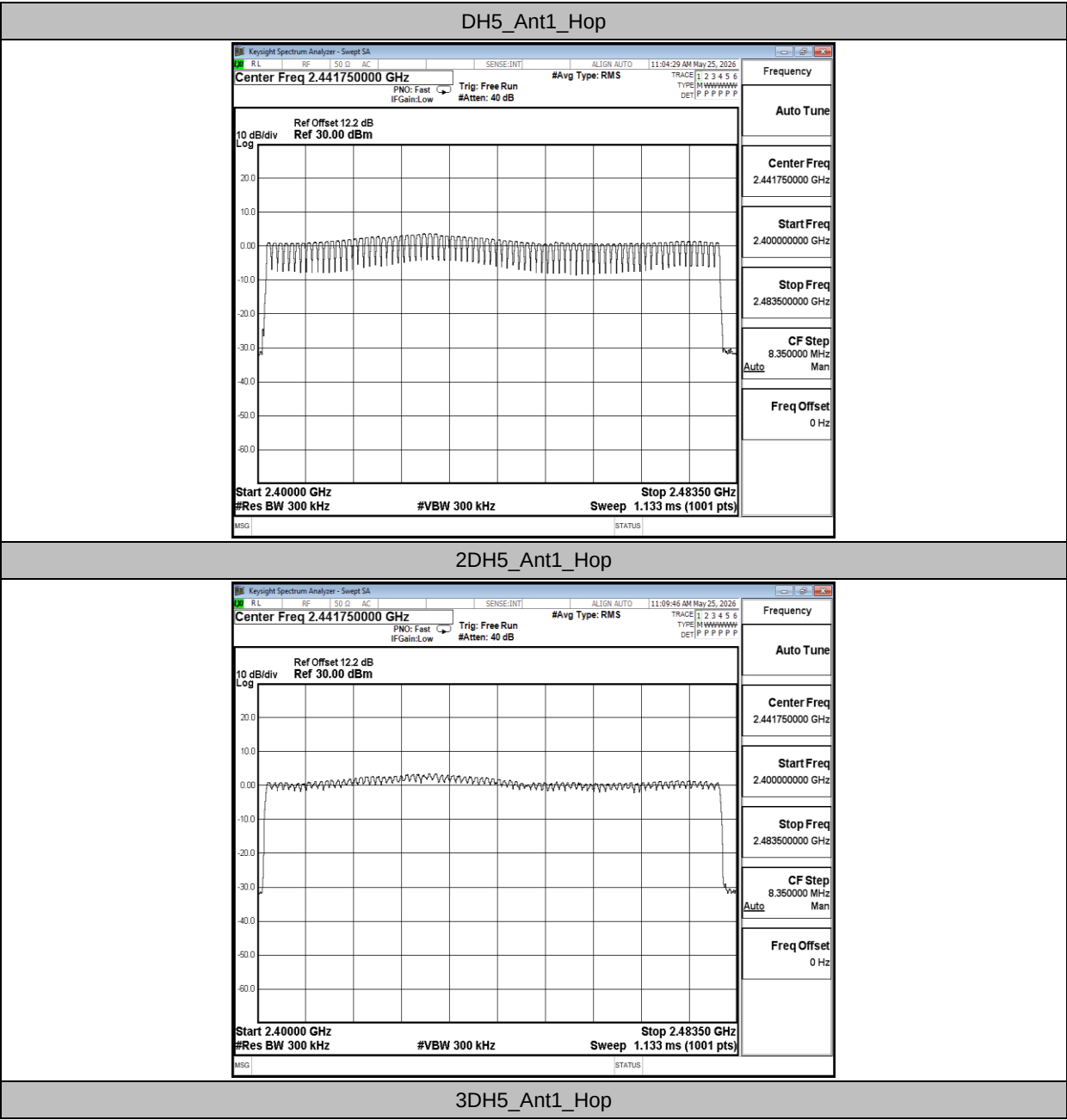


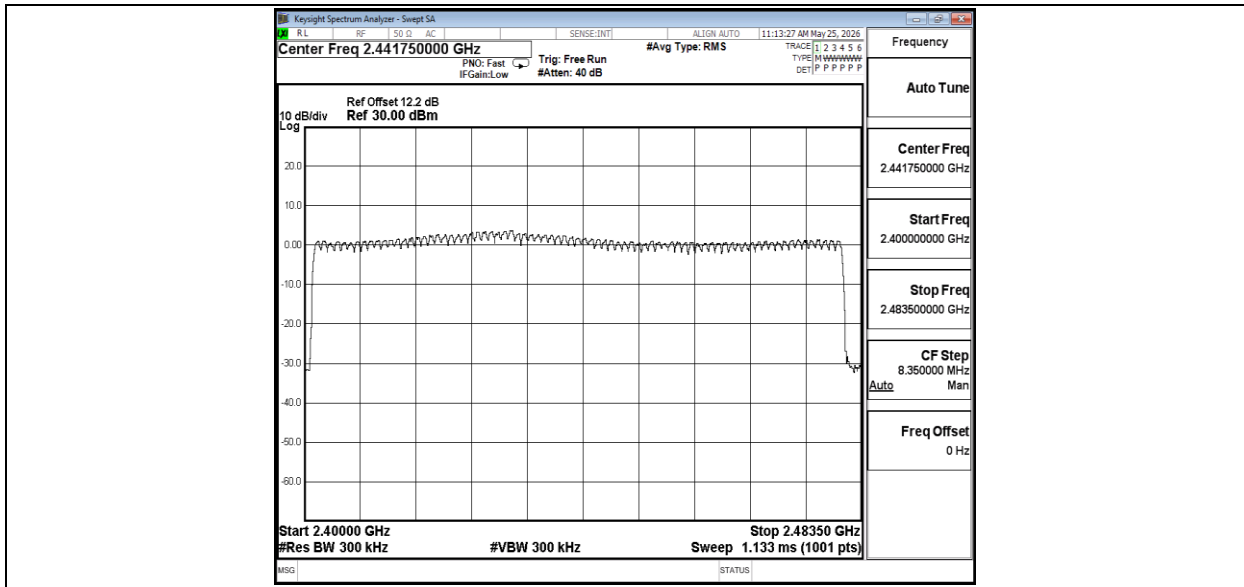
A.5 Number of Hopping Channel

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





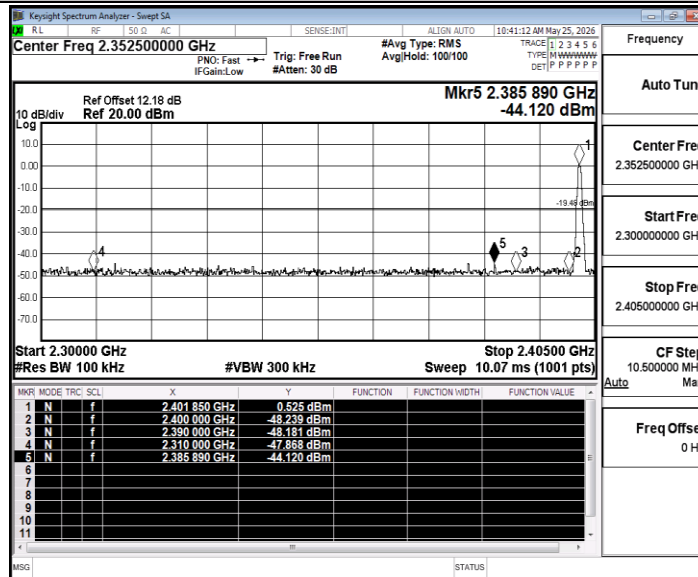
A.6 Band Edge

Test Result

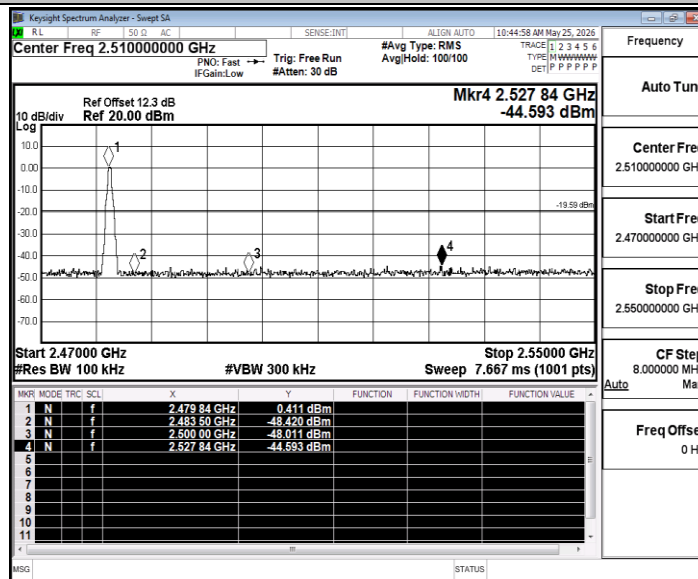
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.53	-44.12	≤-19.48	PASS
		High	2480	0.41	-44.59	≤-19.59	PASS
		Low	Hop_2402	-0.06	-45.71	≤-20.06	PASS
		High	Hop_2480	0.34	-44.13	≤-19.66	PASS
2DH5	Ant1	Low	2402	-0.04	-44.7	≤-20.04	PASS
		High	2480	-0.76	-44.79	≤-20.76	PASS
		Low	Hop_2402	-3.56	-45.85	≤-23.56	PASS
		High	Hop_2480	-2.63	-44.32	≤-22.63	PASS
3DH5	Ant1	Low	2402	-1.70	-45.2	≤-21.7	PASS
		High	2480	0.27	-44.51	≤-19.73	PASS
		Low	Hop_2402	-3.12	-45.4	≤-23.12	PASS
		High	Hop_2480	-2.66	-43.71	≤-22.66	PASS

Test Graphs

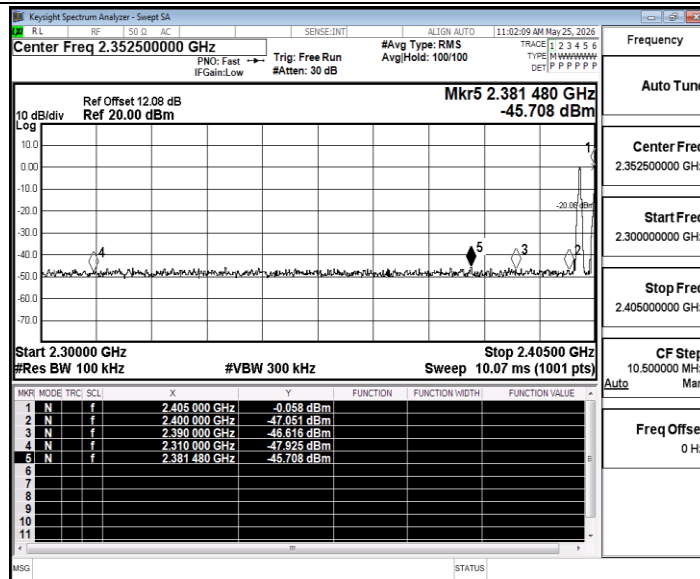
DH5_Ant1_Low_2402



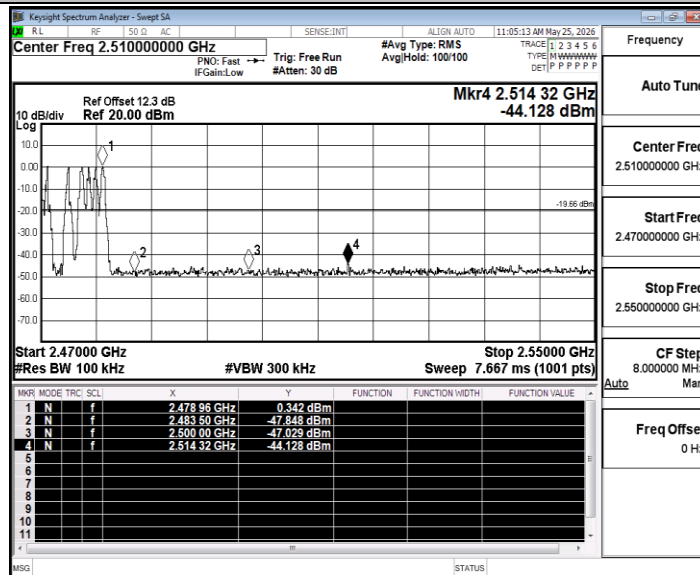
DH5_Ant1_High_2480



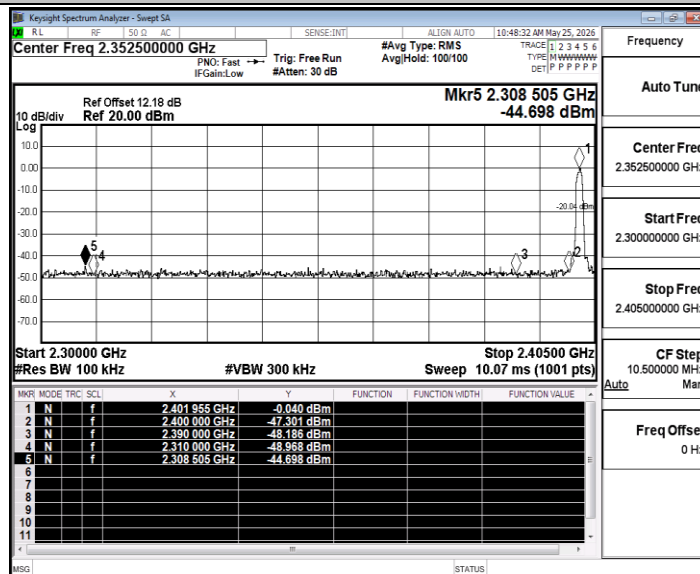
DH5_Ant1_Low_Hop_2402



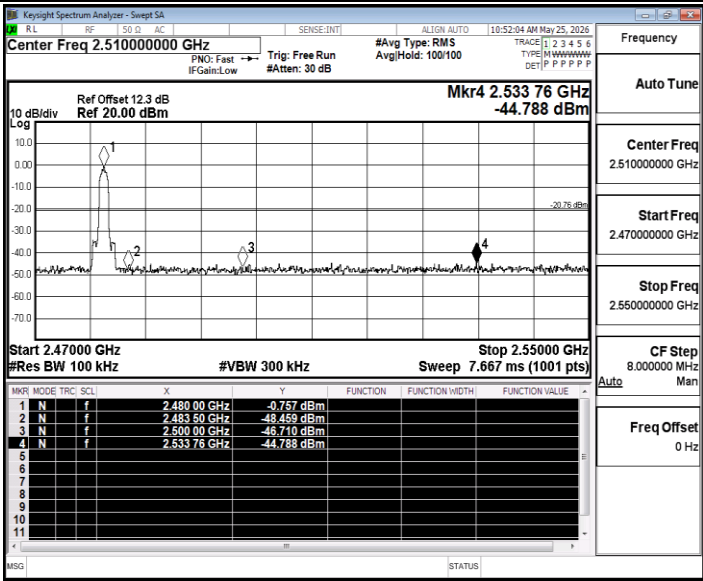
DH5_Ant1_High_Hop_2480



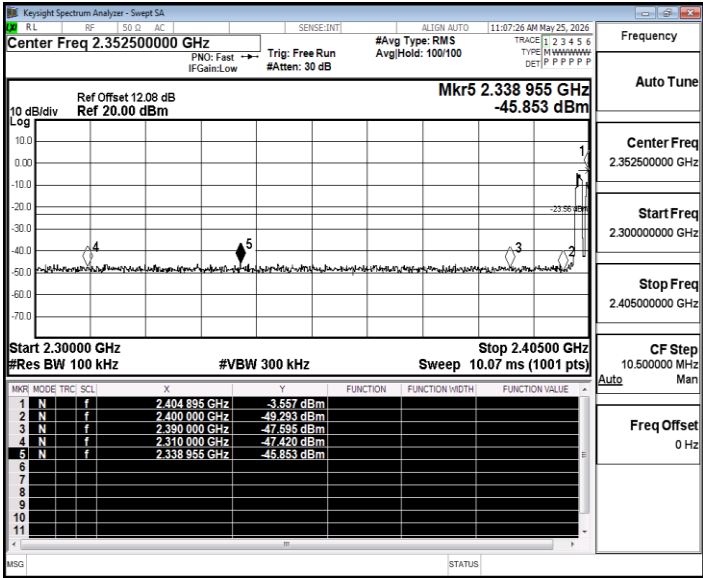
2DH5_Ant1_Low_2402



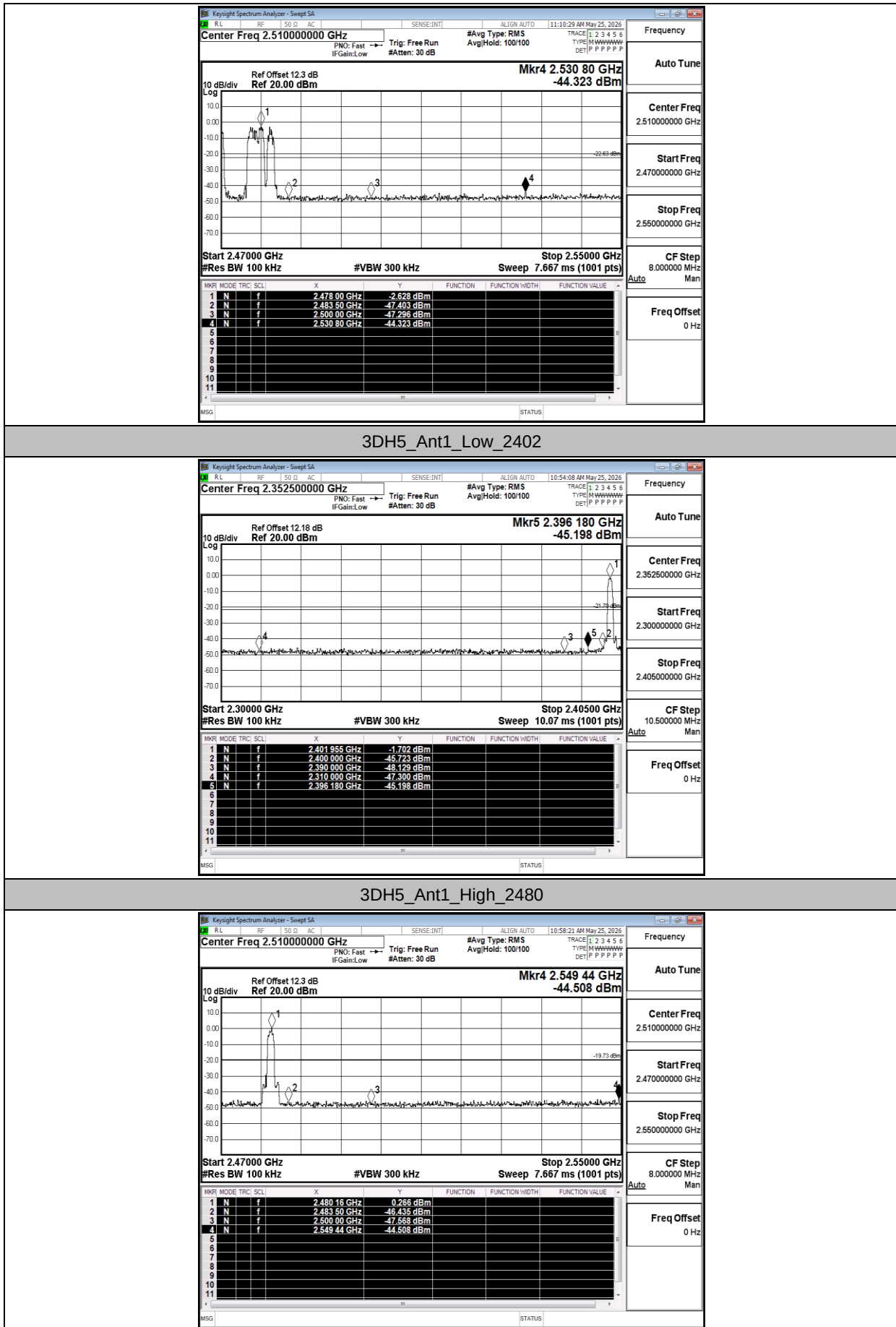
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

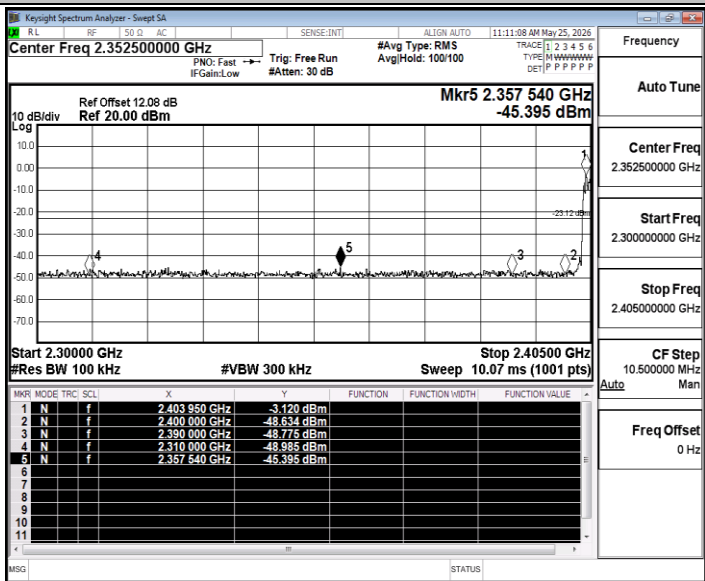


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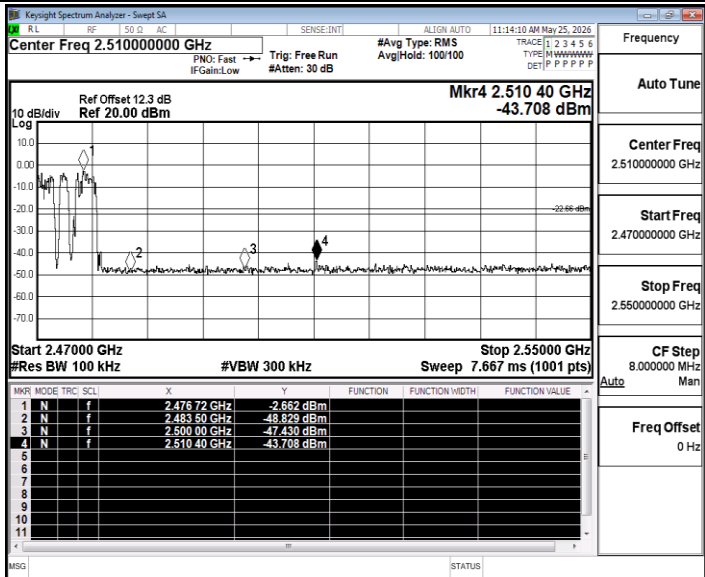
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

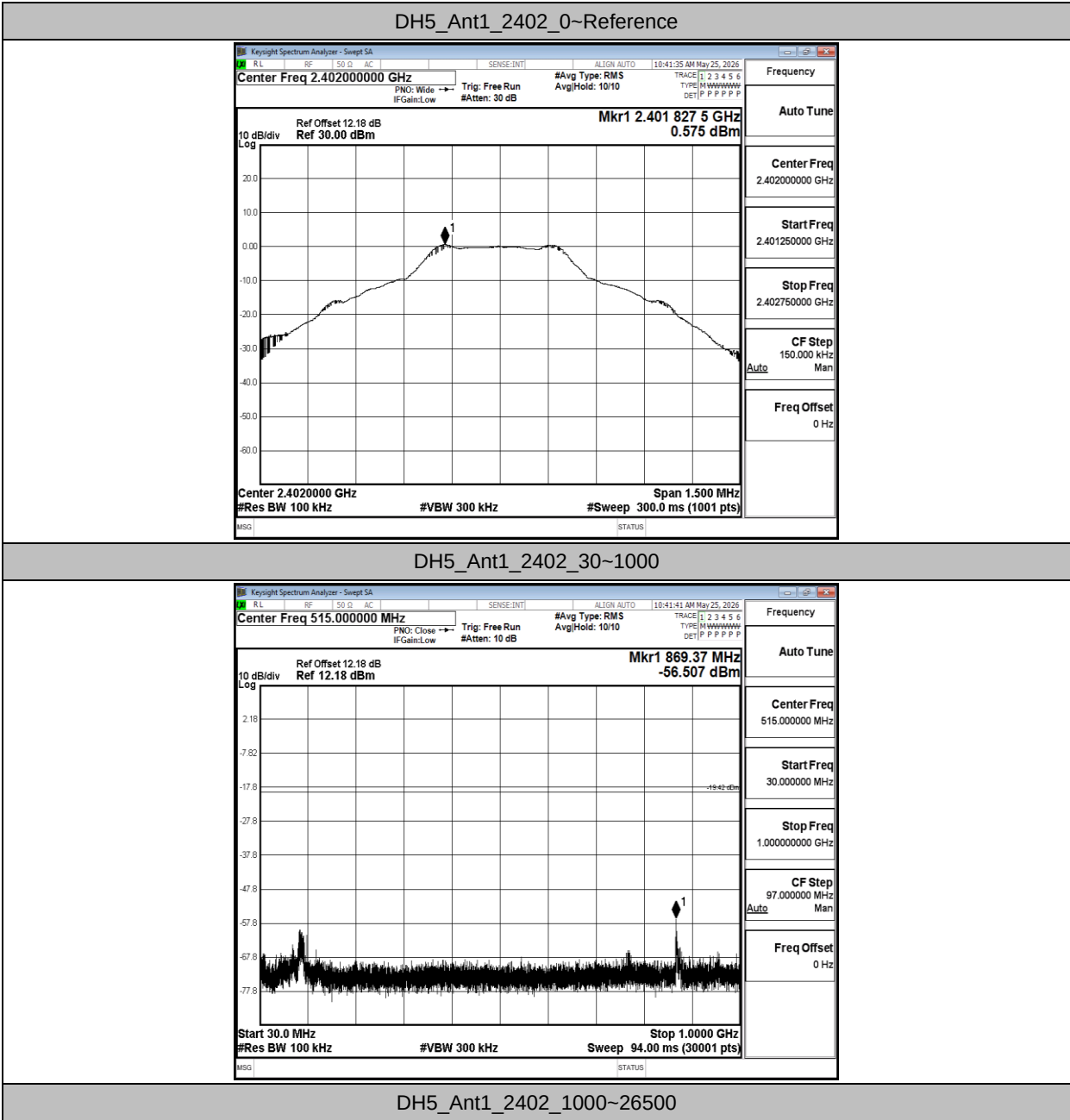


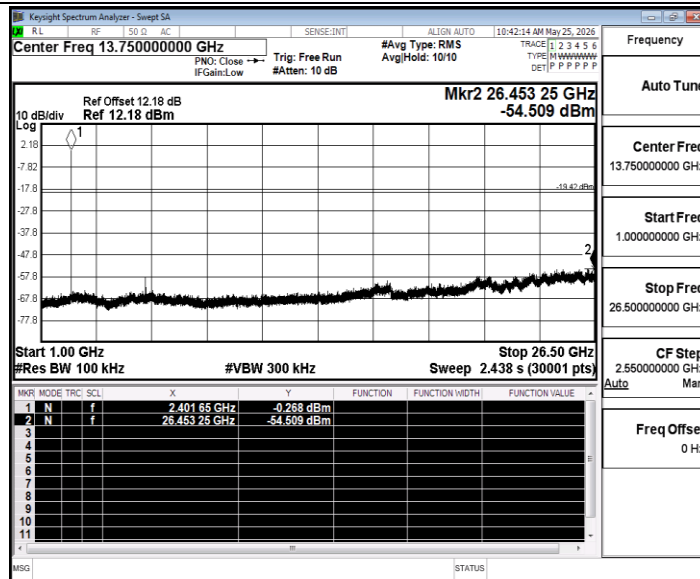
A.7 Conducted RF Spurious Emission

Test Result

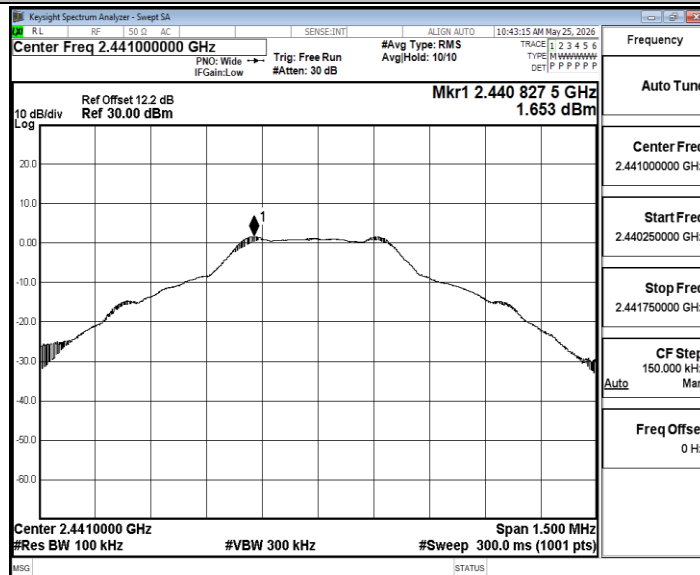
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.58	0.58	---	PASS
			30~1000	0.58	-56.51	≤-19.42	PASS
			1000~26500	0.58	-54.51	≤-19.42	PASS
		2441	Reference	1.65	1.65	---	PASS
			30~1000	1.65	-43.08	≤-18.35	PASS
			1000~26500	1.65	-54.06	≤-18.35	PASS
		2480	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-43.36	≤-19.32	PASS
			1000~26500	0.68	-53.98	≤-19.32	PASS
2DH5	Ant1	2402	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-54.37	≤-19.5	PASS
			1000~26500	0.50	-54.8	≤-19.5	PASS
		2441	Reference	1.56	1.56	---	PASS
			30~1000	1.56	-56.02	≤-18.44	PASS
			1000~26500	1.56	-46.79	≤-18.44	PASS
		2480	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-58.37	≤-19.43	PASS
			1000~26500	0.57	-53.8	≤-19.43	PASS
3DH5	Ant1	2402	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-57.12	≤-19.34	PASS
			1000~26500	0.66	-54.64	≤-19.34	PASS
		2441	Reference	1.77	1.77	---	PASS
			30~1000	1.77	-58.37	≤-18.23	PASS
			1000~26500	1.77	-55	≤-18.23	PASS
		2480	Reference	0.80	0.80	---	PASS
			30~1000	0.80	-58.97	≤-19.2	PASS
			1000~26500	0.80	-54.2	≤-19.2	PASS

Test Graphs

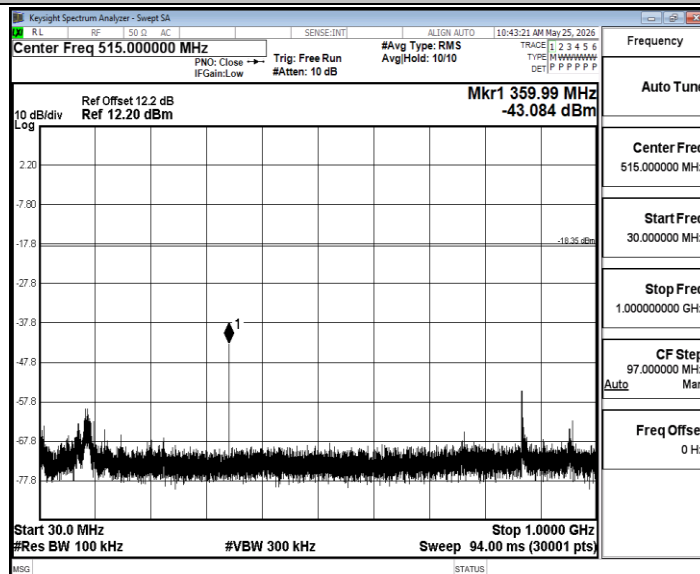




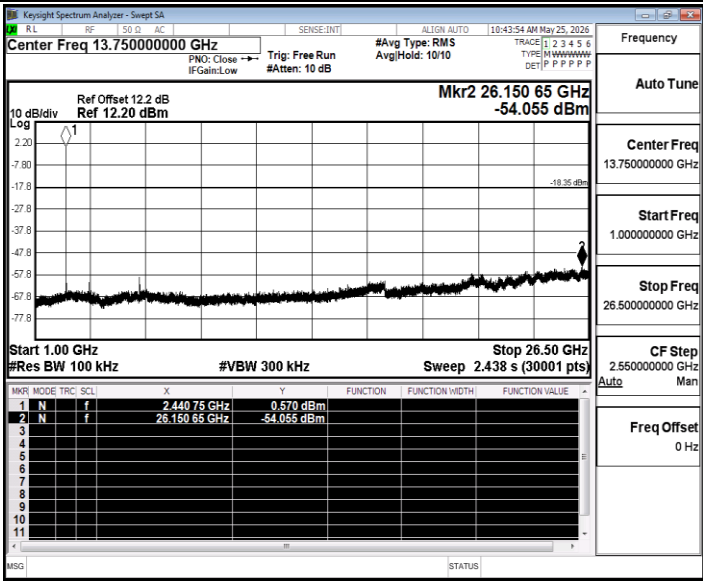
DH5_Ant1_2441_0~Reference



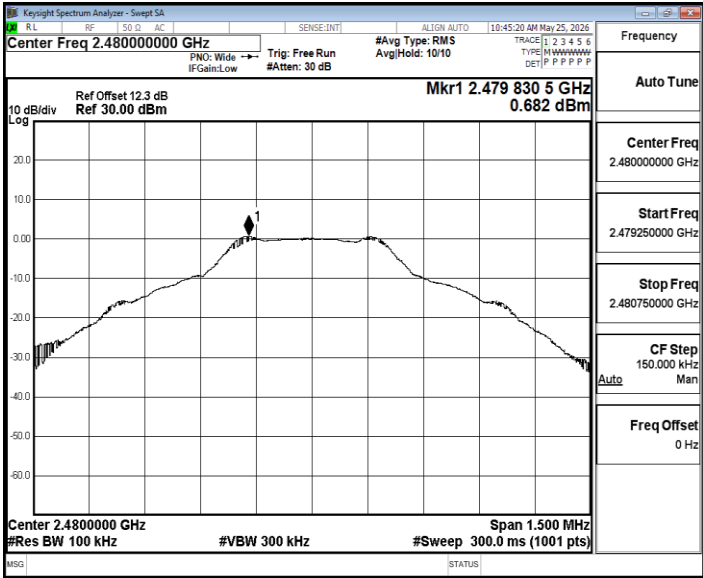
DH5_Ant1_2441_30~1000



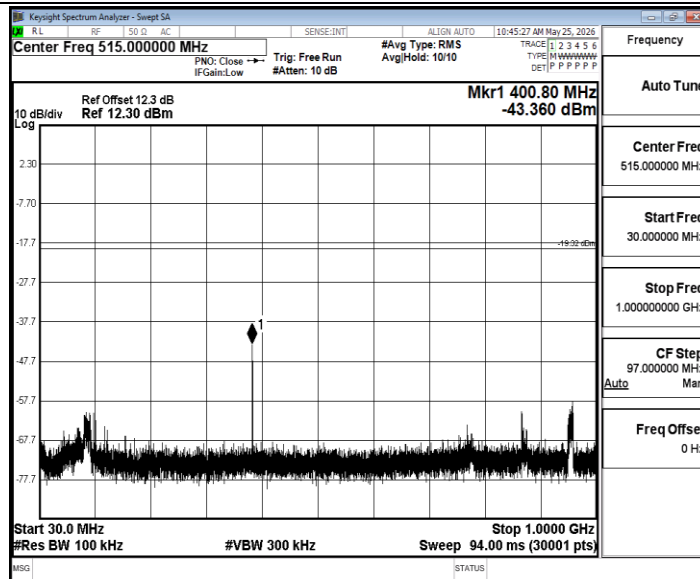
DH5_Ant1_2441_1000~26500



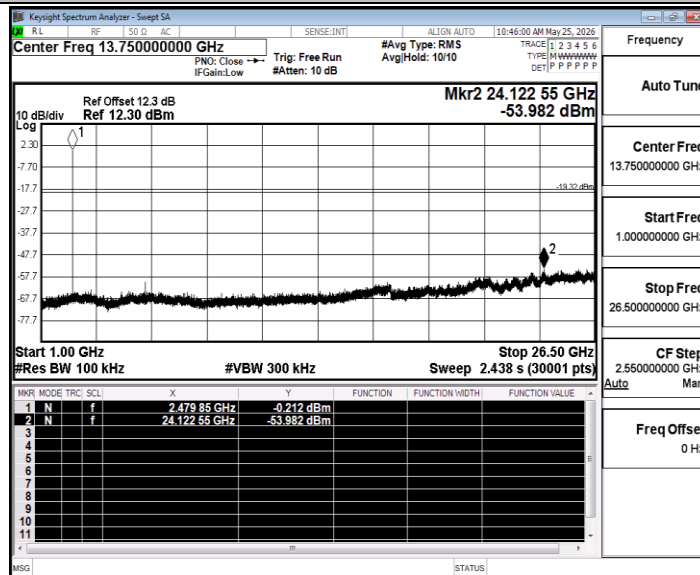
DH5_Ant1_2480_0~Reference



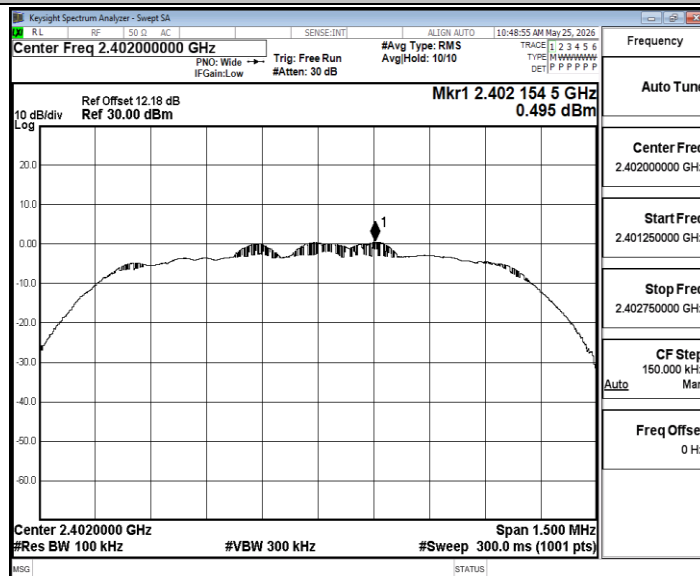
DH5_Ant1_2480_30~1000



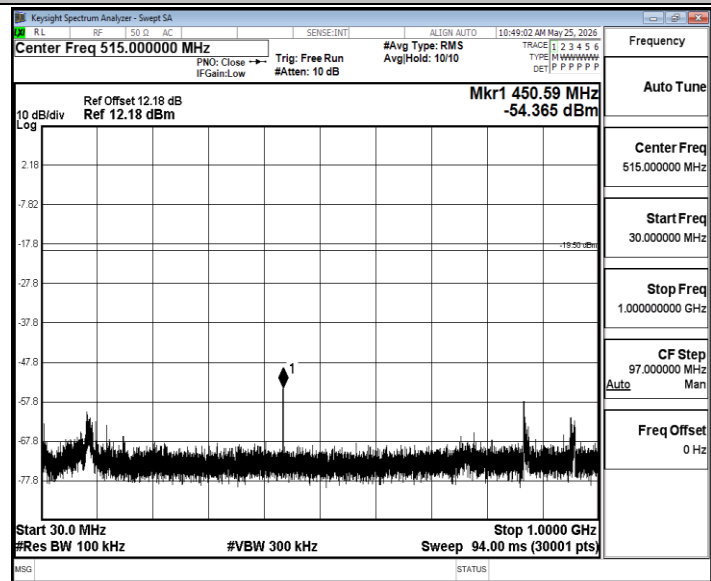
DH5_Ant1_2480_1000~26500



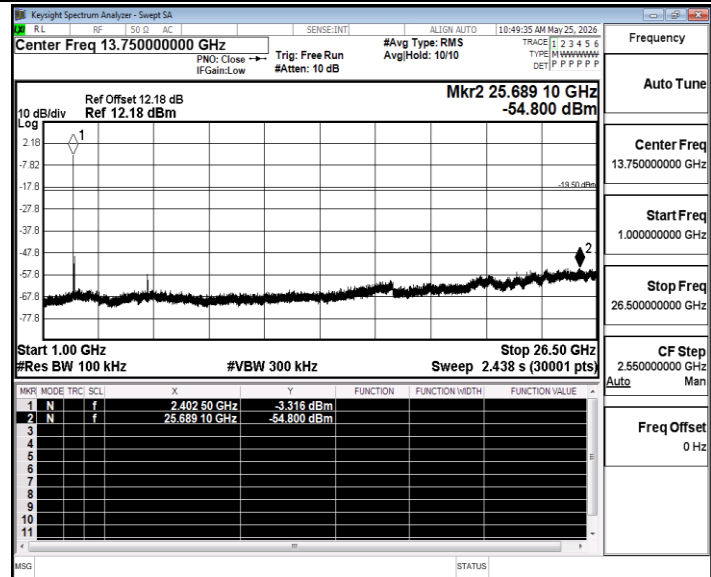
2DH5_Ant1_2402_0~Reference



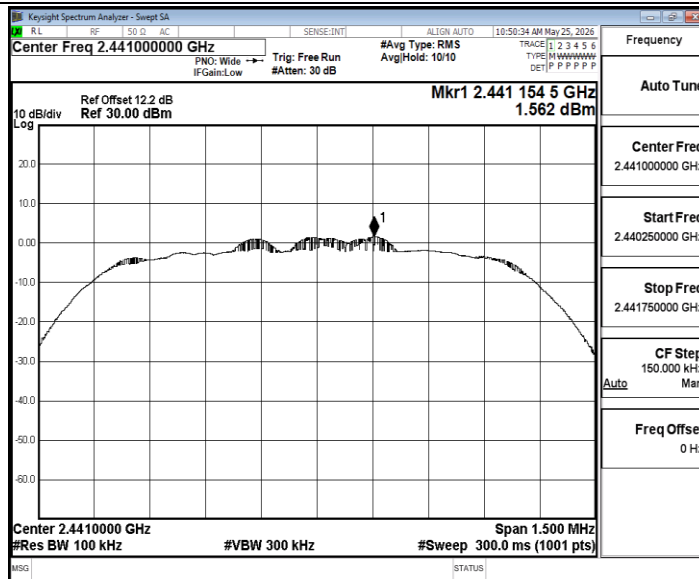
2DH5_Ant1_2402_30~1000



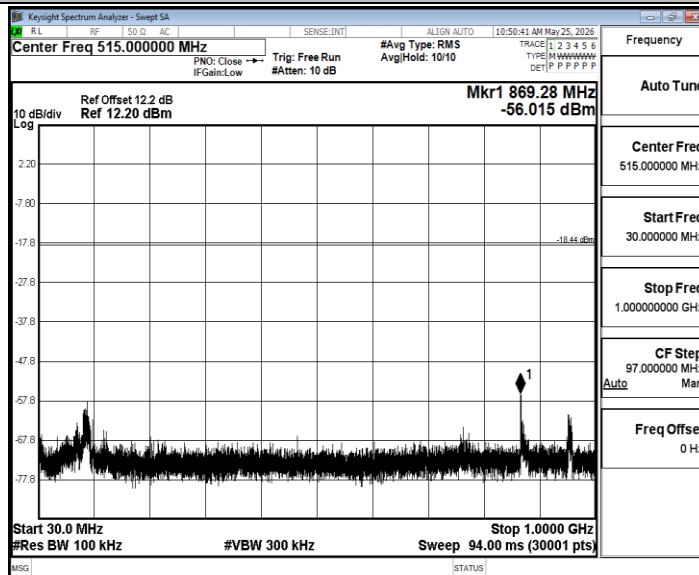
2DH5_Ant1_2402_1000~26500



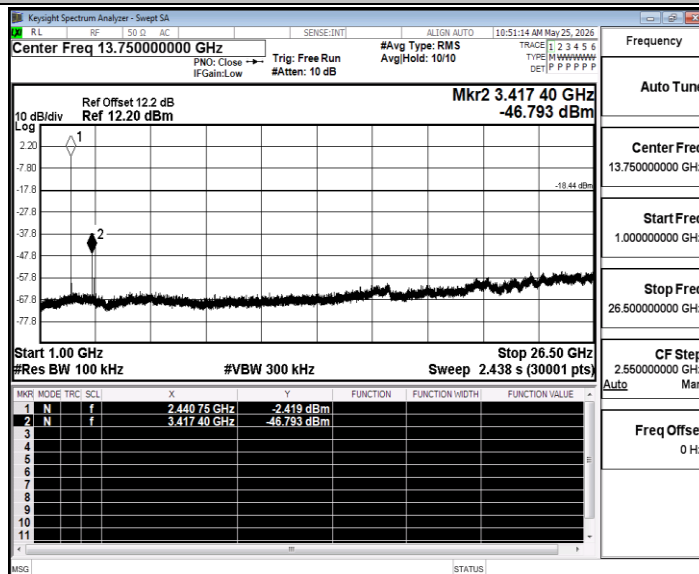
2DH5_Ant1_2441_0~Reference



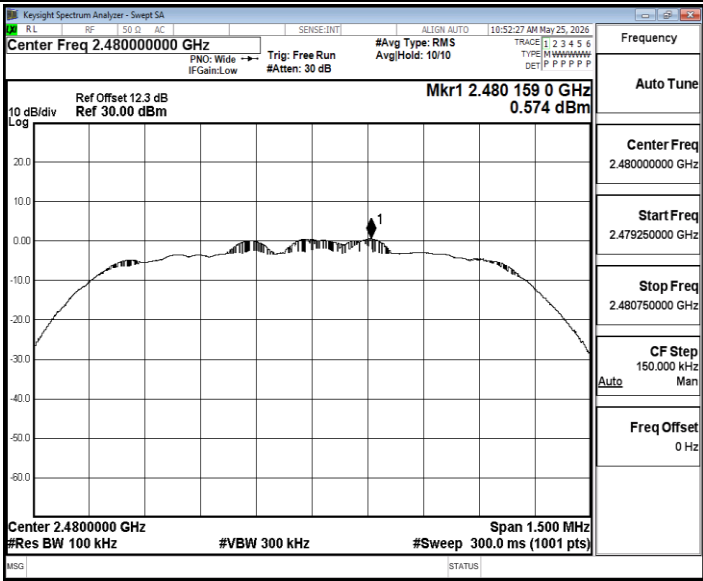
2DH5_Ant1_2441_30~1000



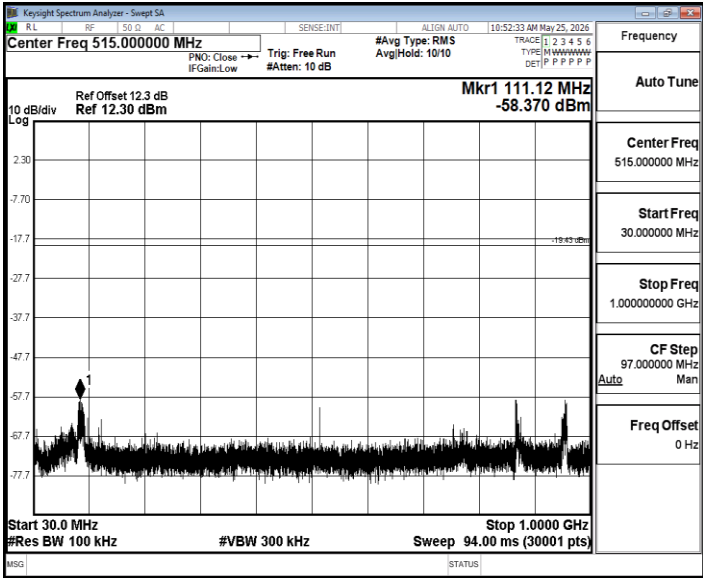
2DH5_Ant1_2441_1000~26500



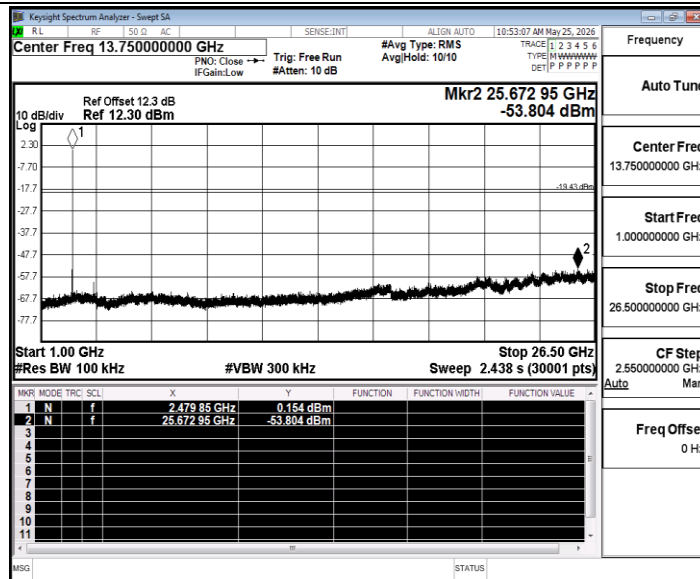
2DH5_Ant1_2480_0~Reference



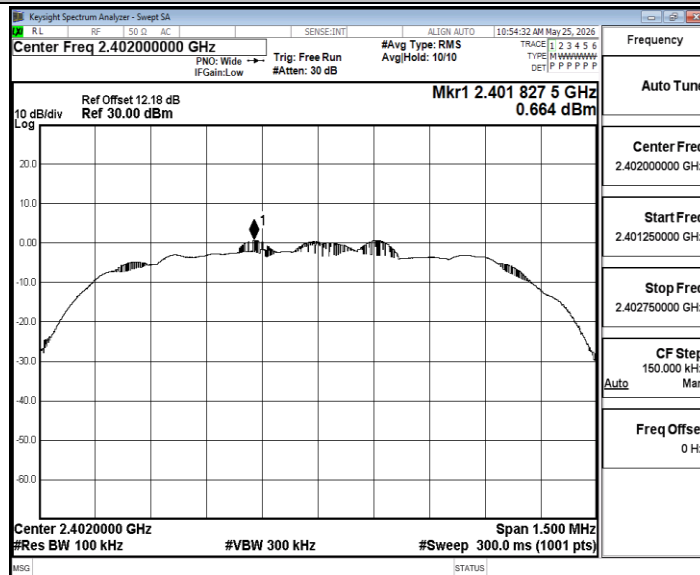
2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500



3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

