

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart Phone

Test Model: ULTRA S26

Environmental Conditions

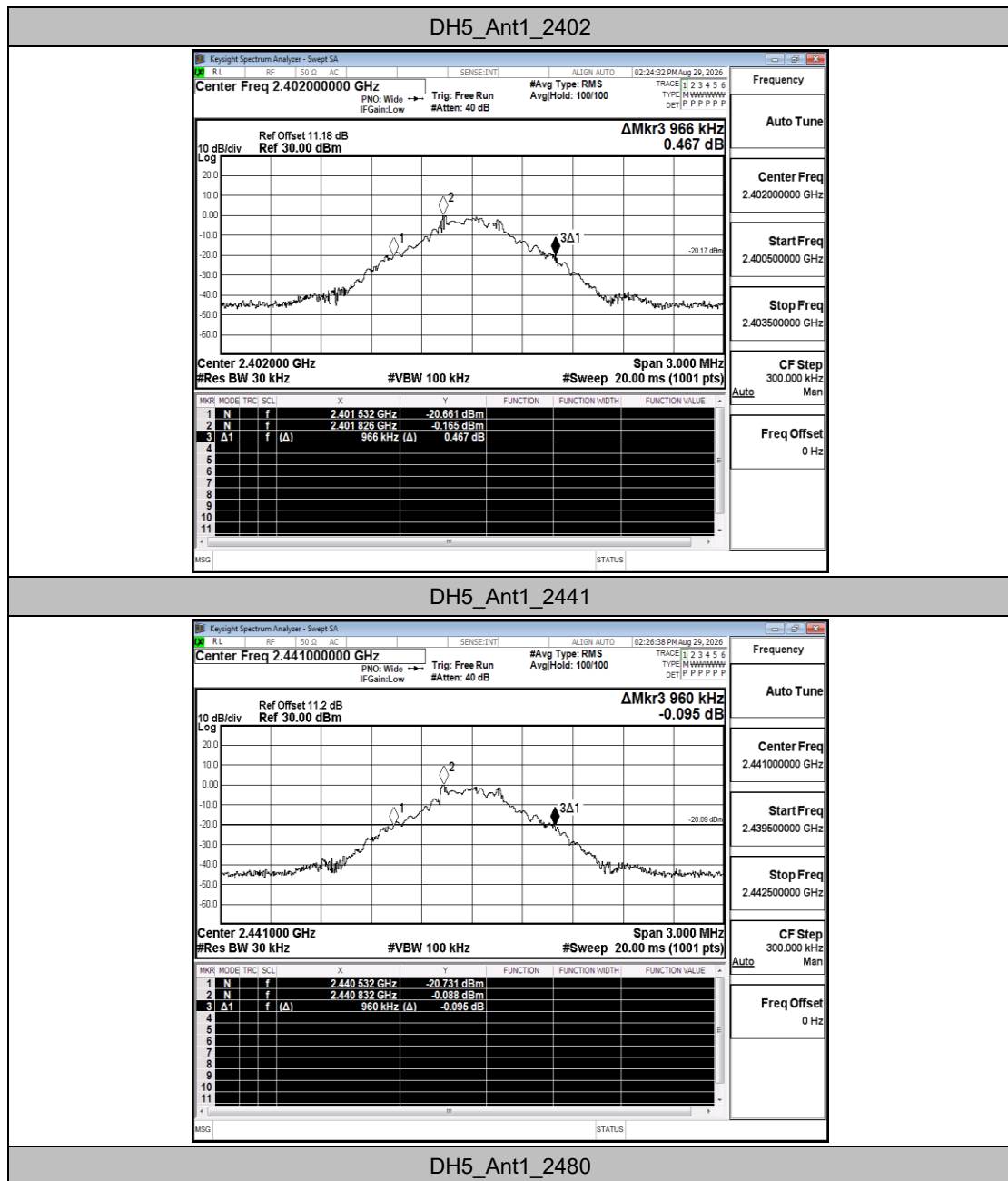
Temperature:	24.3°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

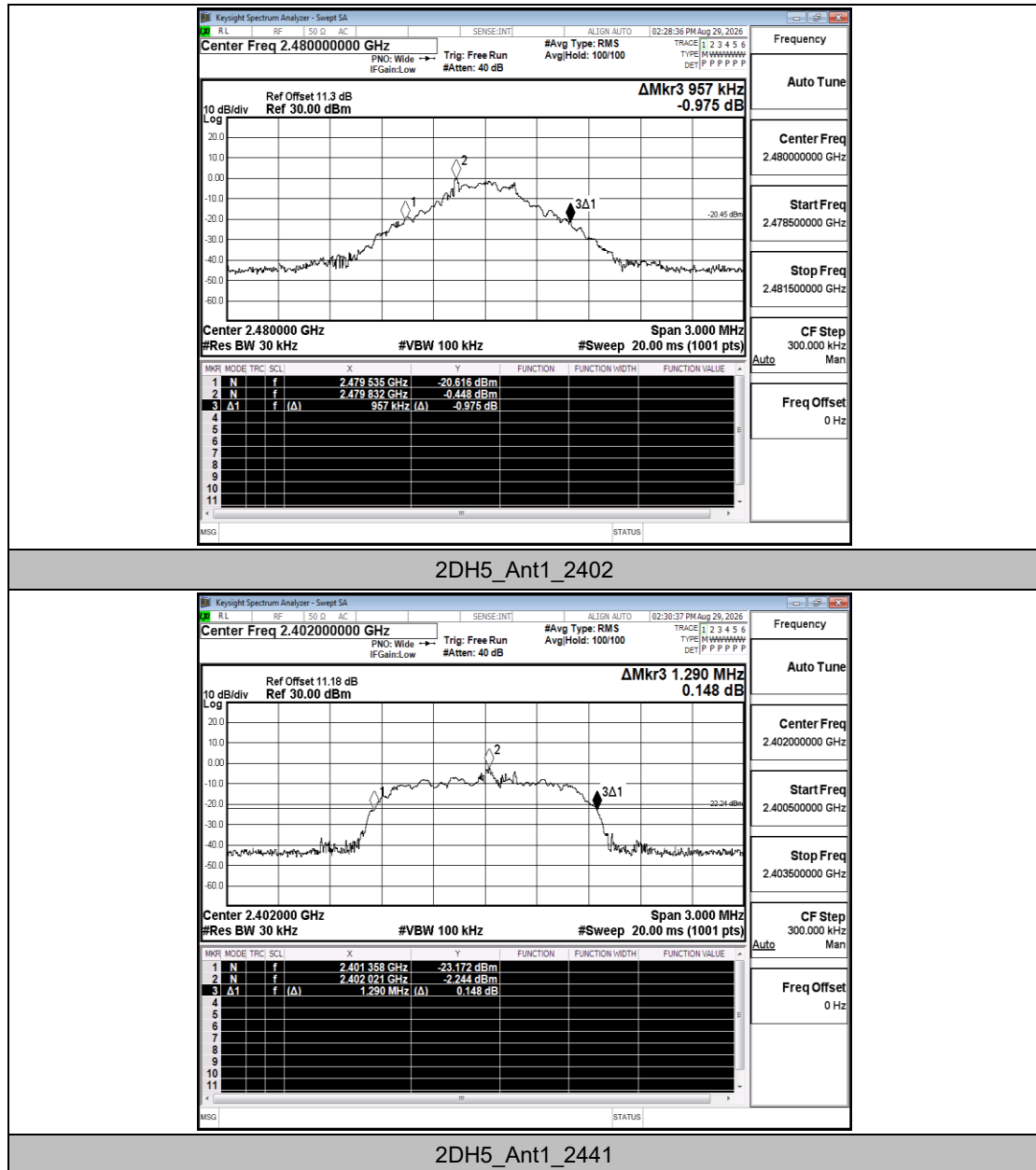
A.1 20dB Emission Bandwidth

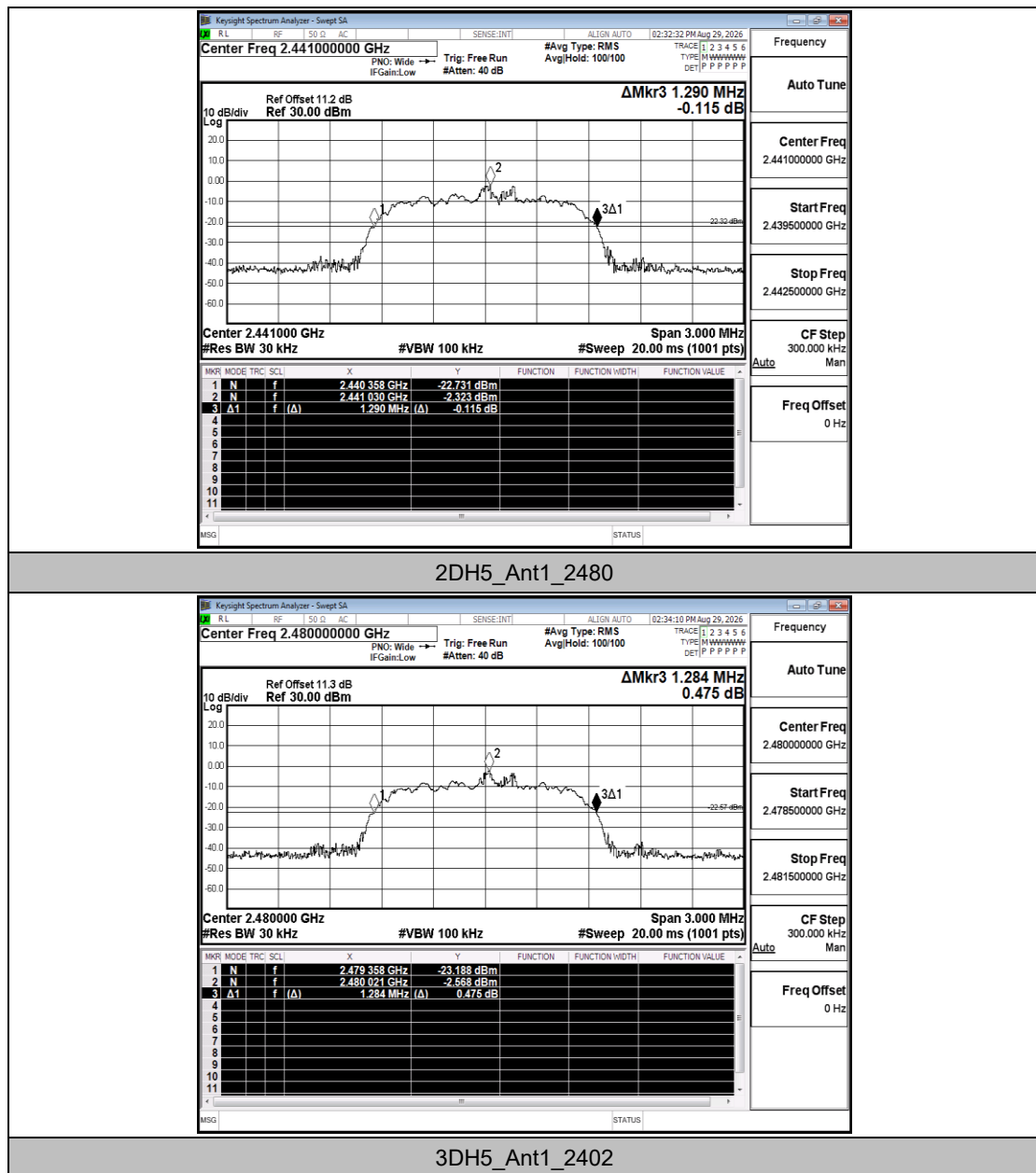
Test Result

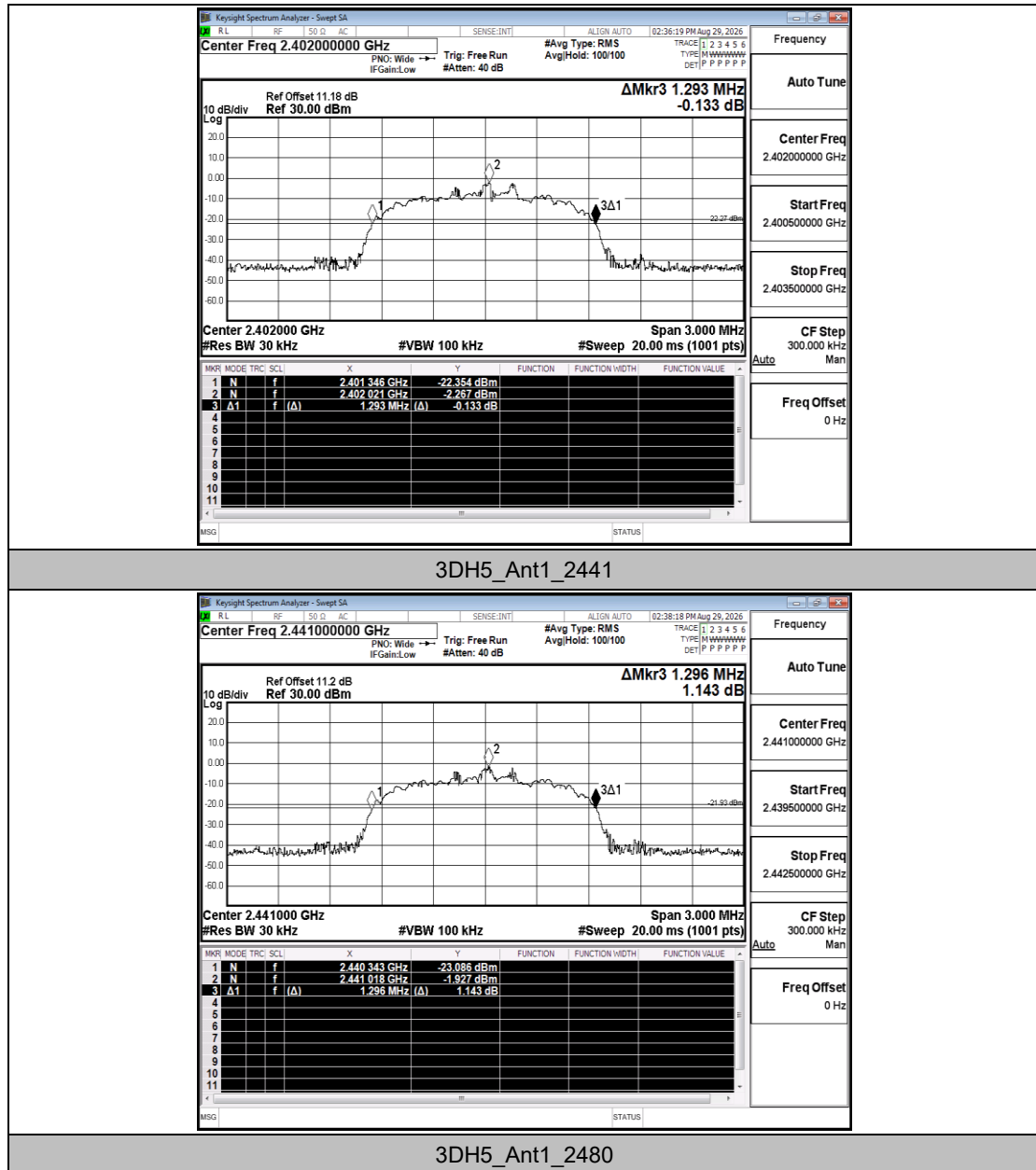
TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.966	2401.532	2402.498	---	---
		2441	0.960	2440.532	2441.492	---	---
		2480	0.957	2479.535	2480.492	---	---
2DH5	Ant1	2402	1.290	2401.358	2402.648	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.284	2479.358	2480.642	---	---
3DH5	Ant1	2402	1.293	2401.346	2402.639	---	---
		2441	1.296	2440.343	2441.639	---	---
		2480	1.299	2479.343	2480.642	---	---

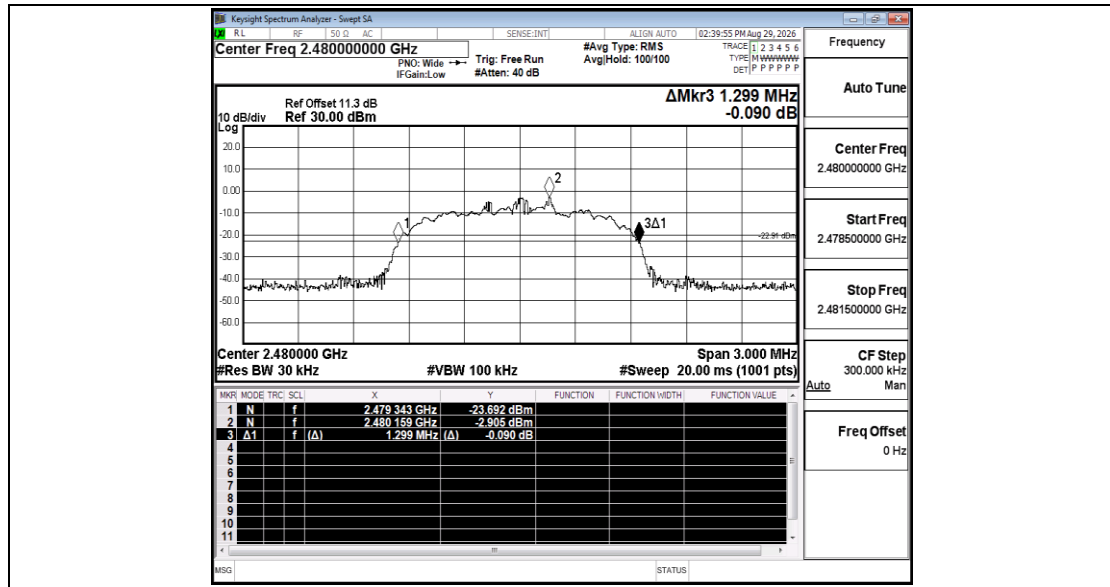
Test Graphs











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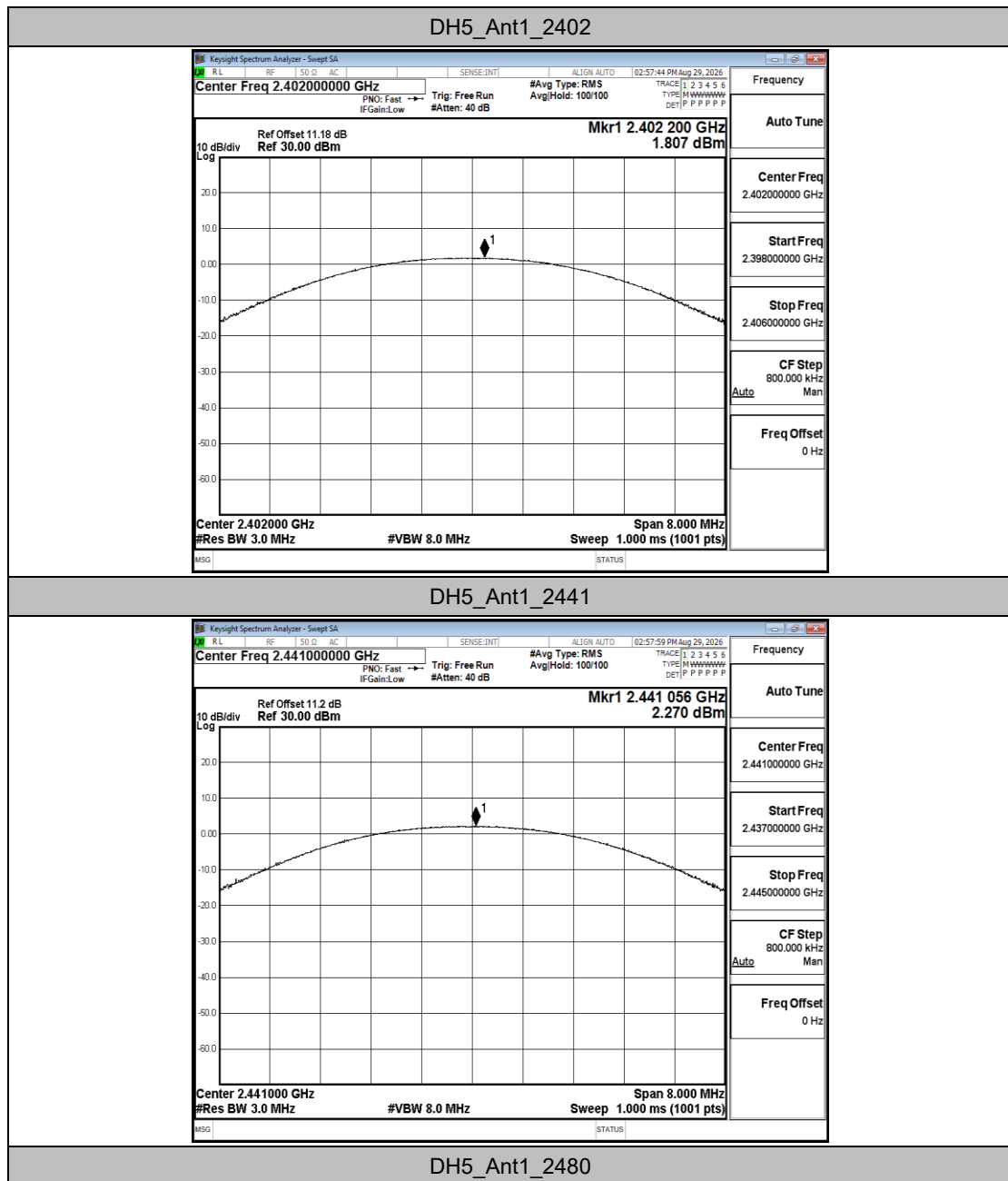
Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

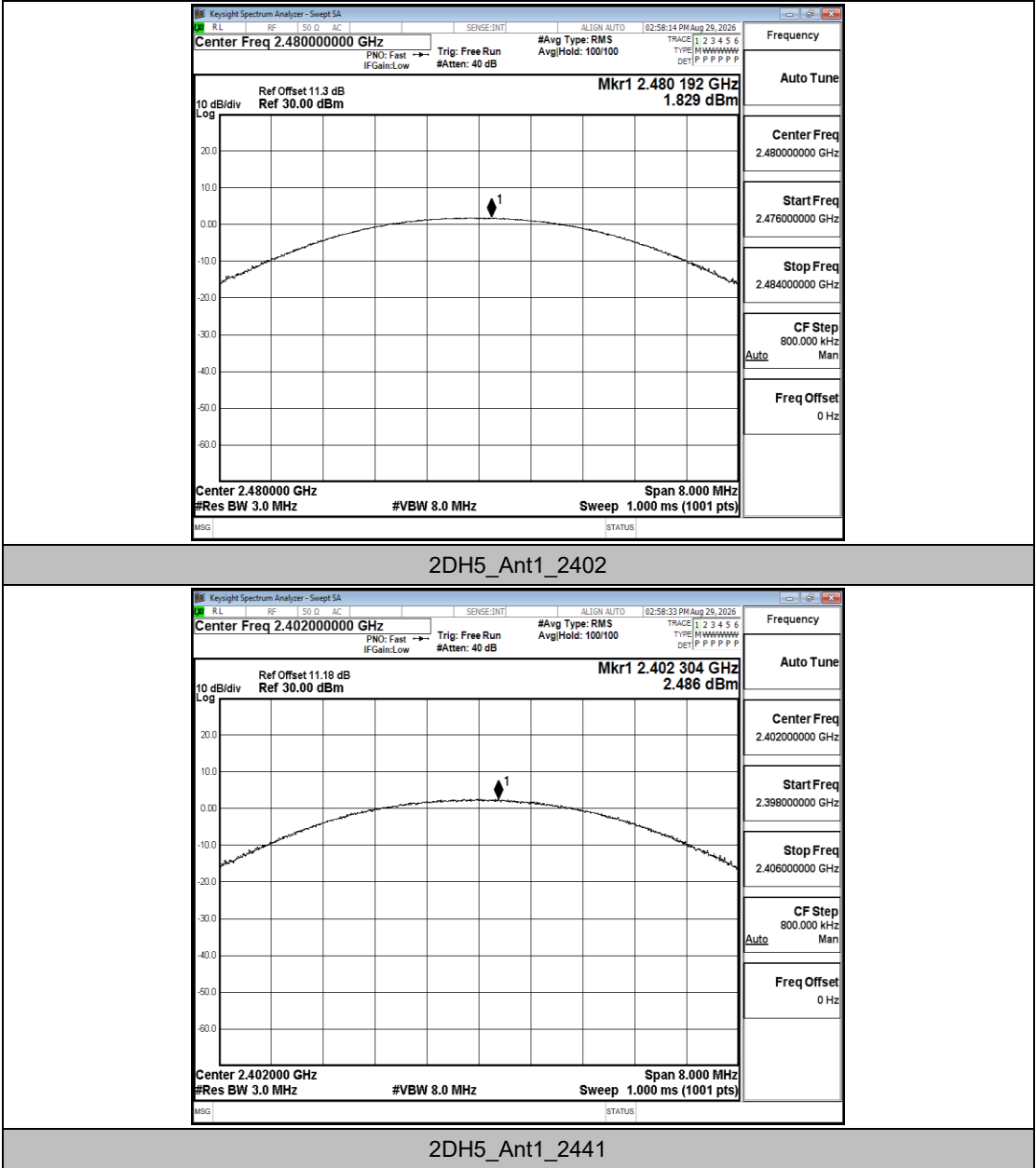
A.2 Maximum Peak conducted output power

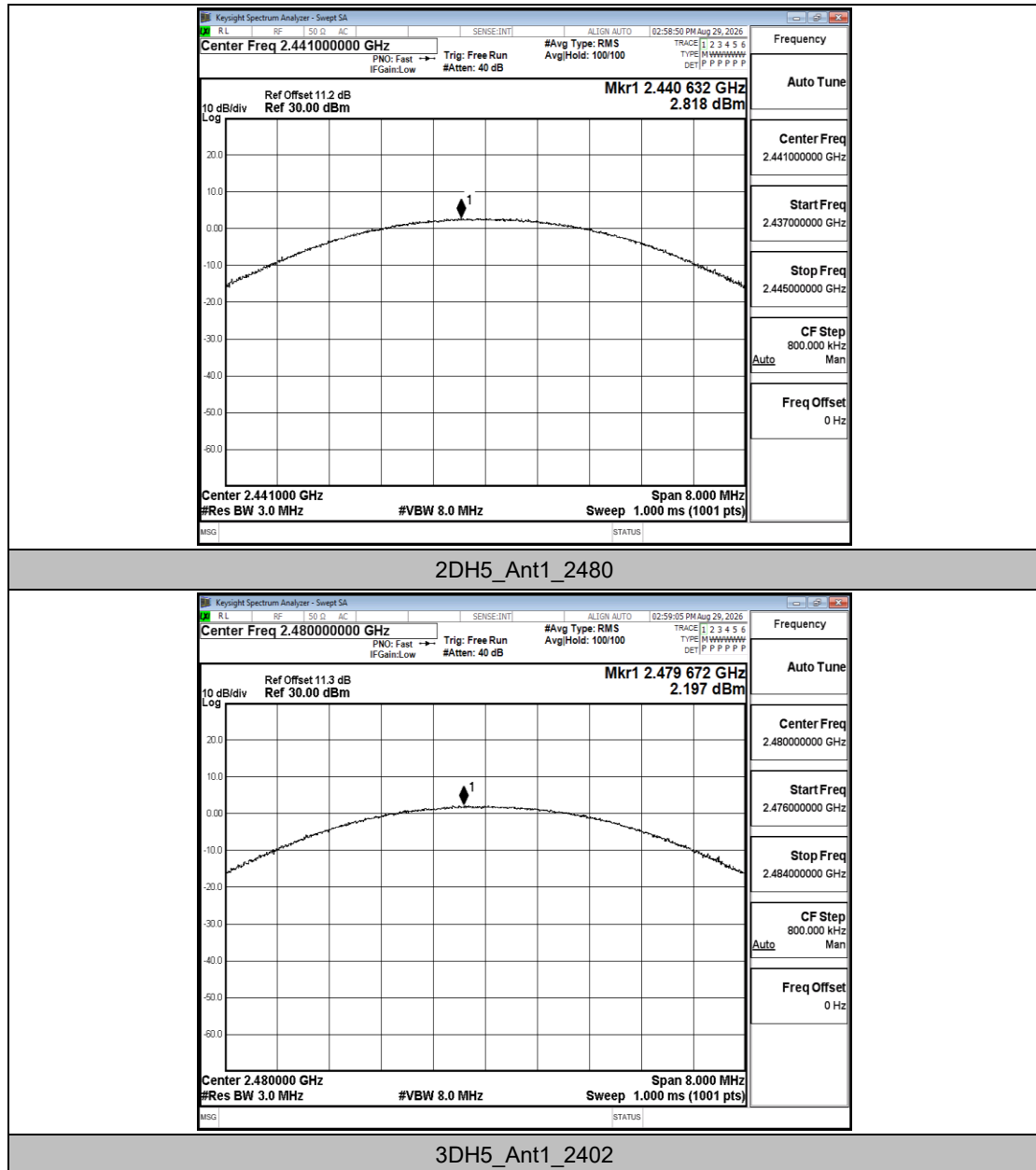
Test Result Peak

TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.81	≤30	PASS
		2441	2.27	≤30	PASS
		2480	1.83	≤30	PASS
2DH5	Ant1	2402	2.49	≤30	PASS
		2441	2.82	≤30	PASS
		2480	2.20	≤30	PASS
3DH5	Ant1	2402	2.82	≤20.97	PASS
		2441	3.07	≤20.97	PASS
		2480	2.46	≤20.97	PASS

Test Graphs



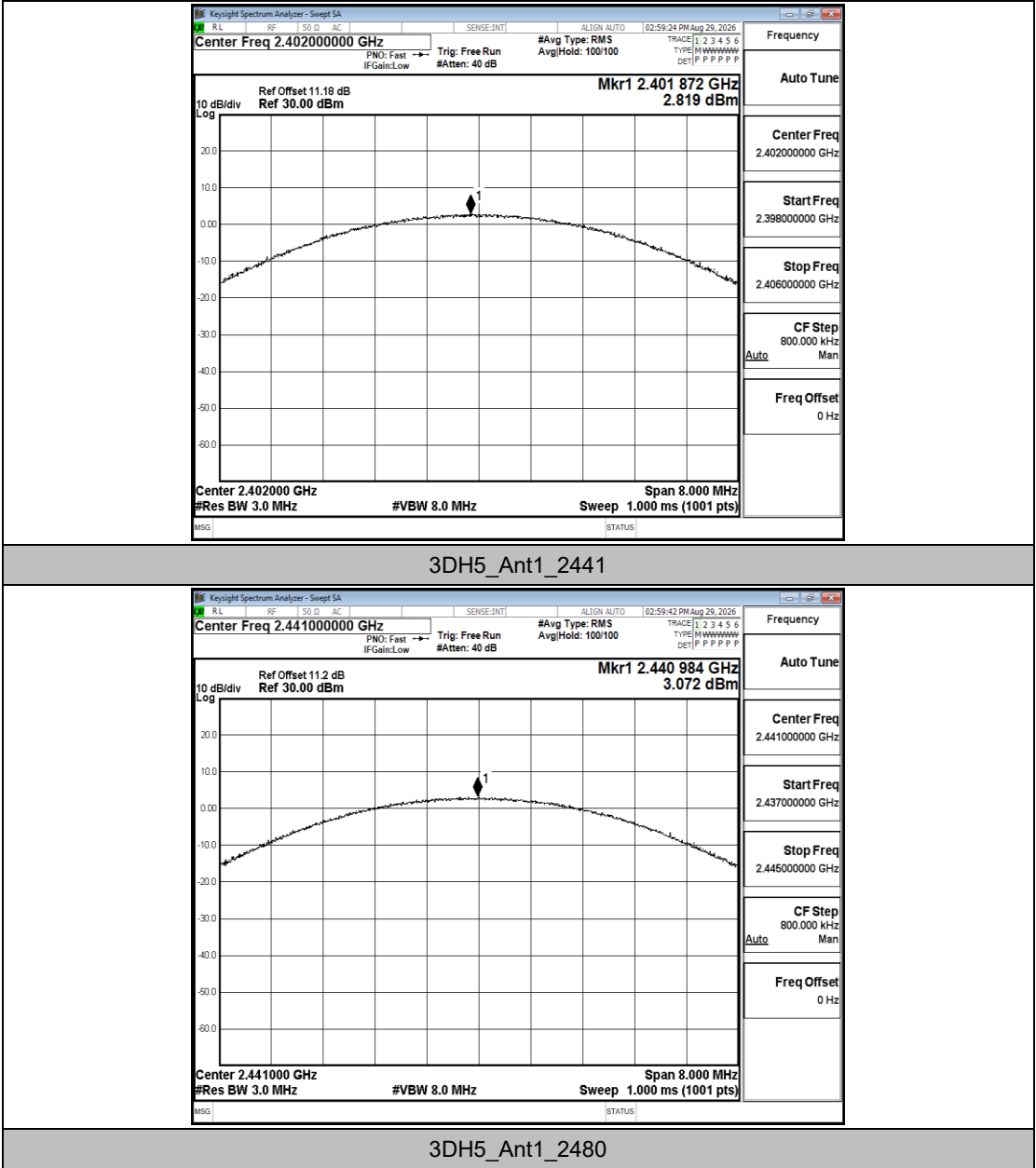


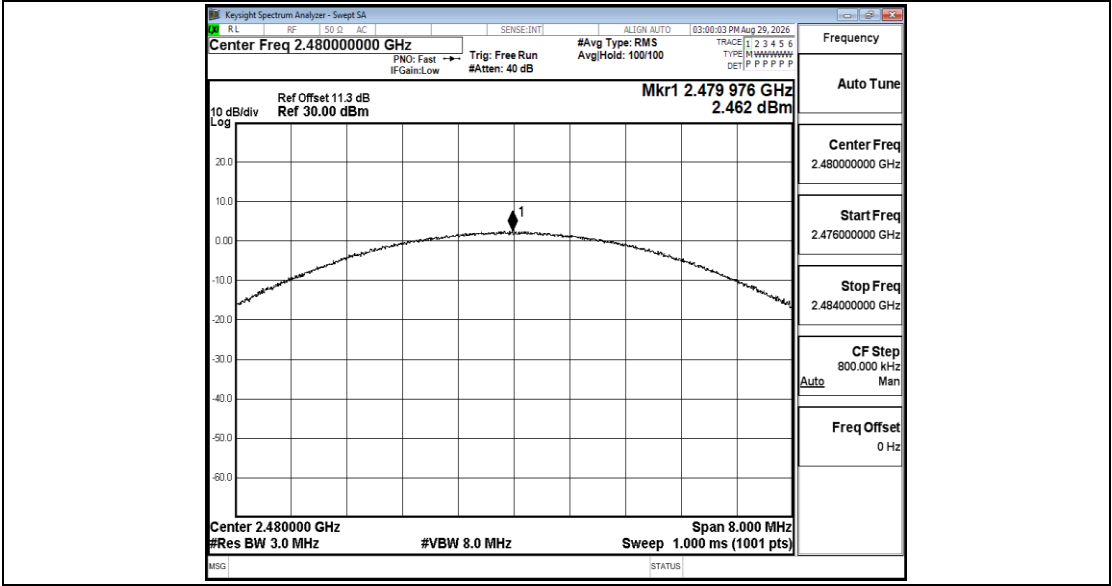


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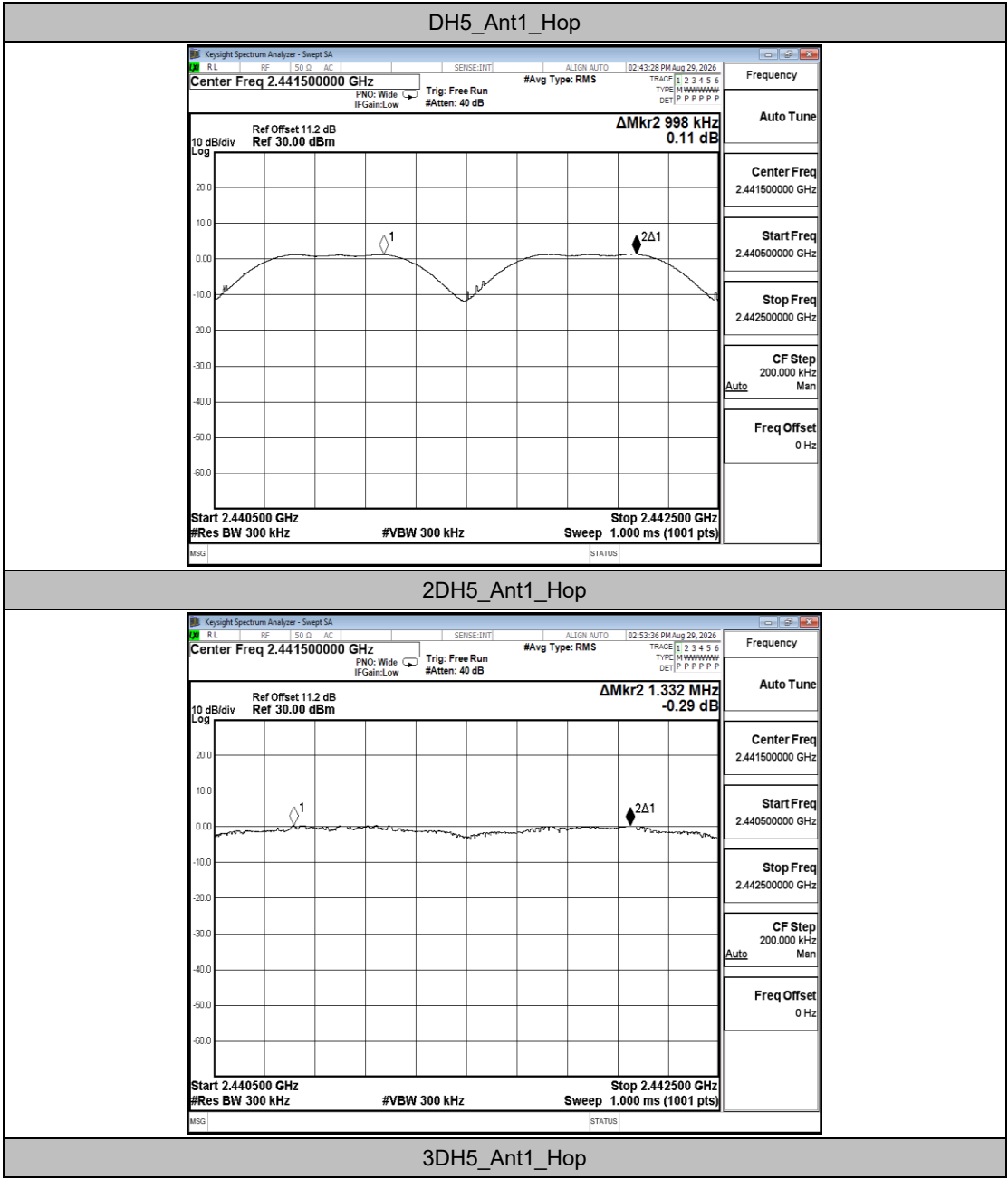


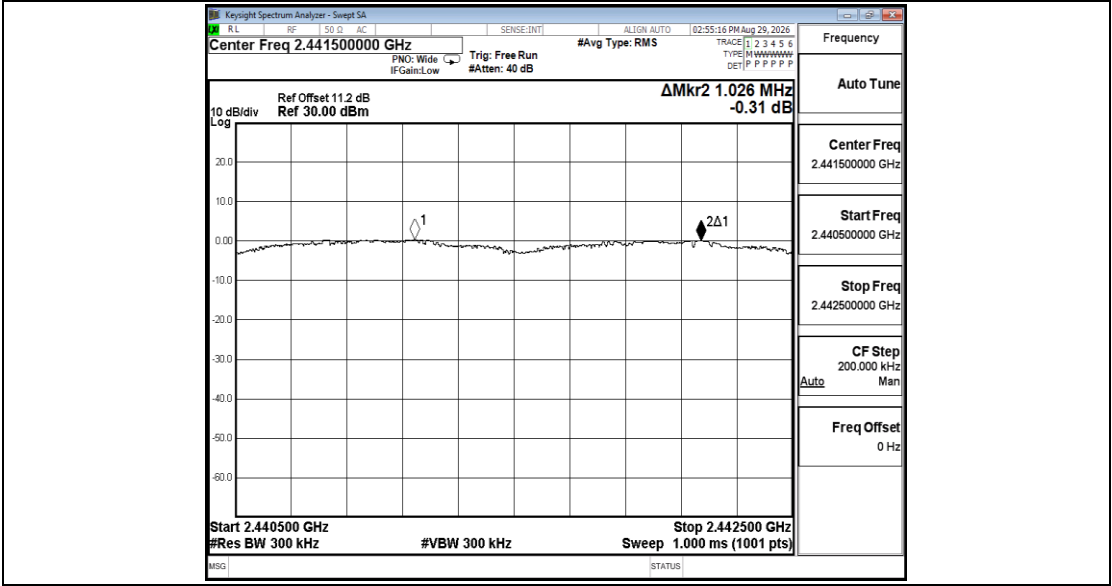
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.966	PASS
2DH5	Ant1	Hop	1.332	≥1.290	PASS
3DH5	Ant1	Hop	1.026	≥0.866	PASS

Test Graphs



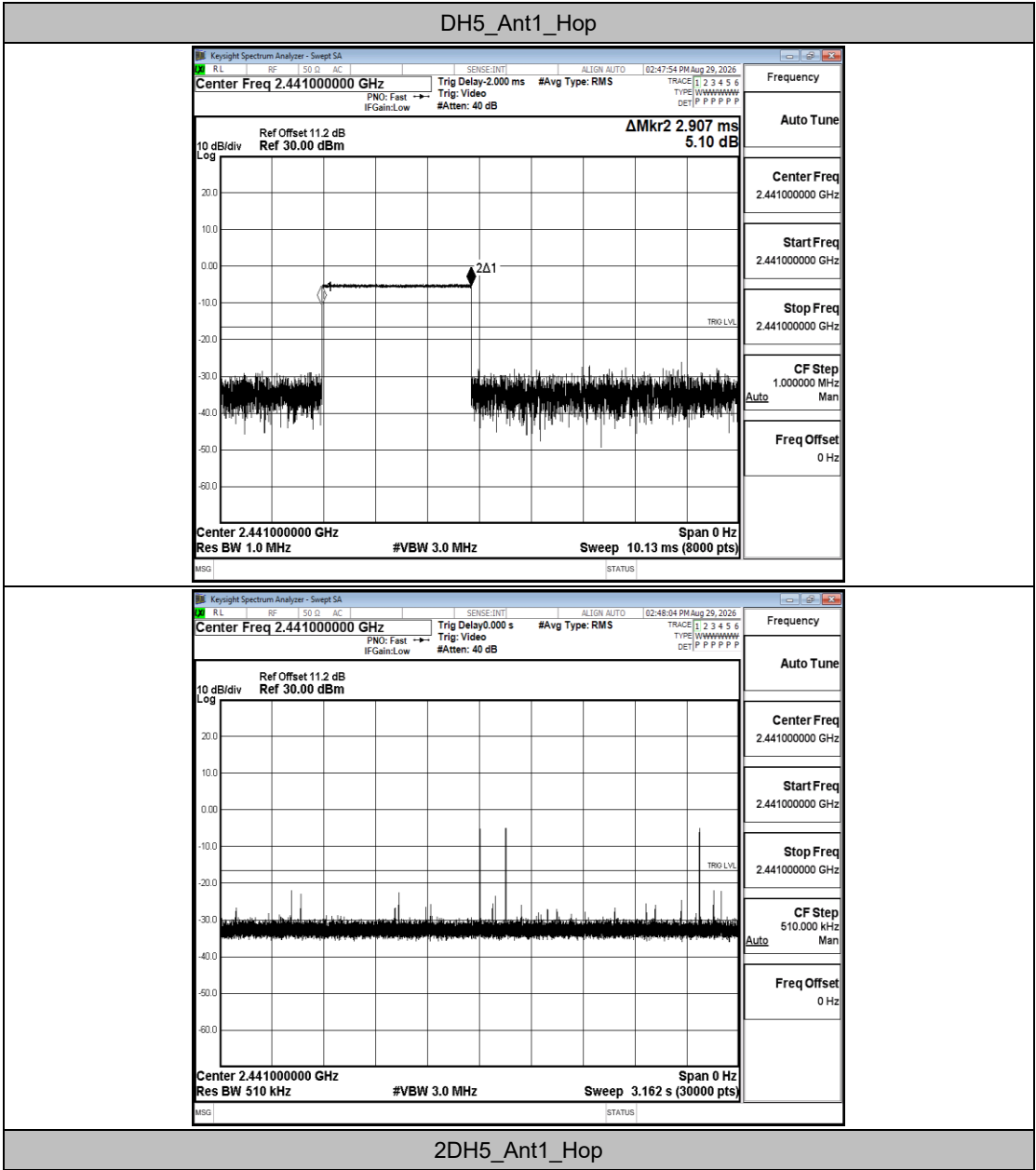


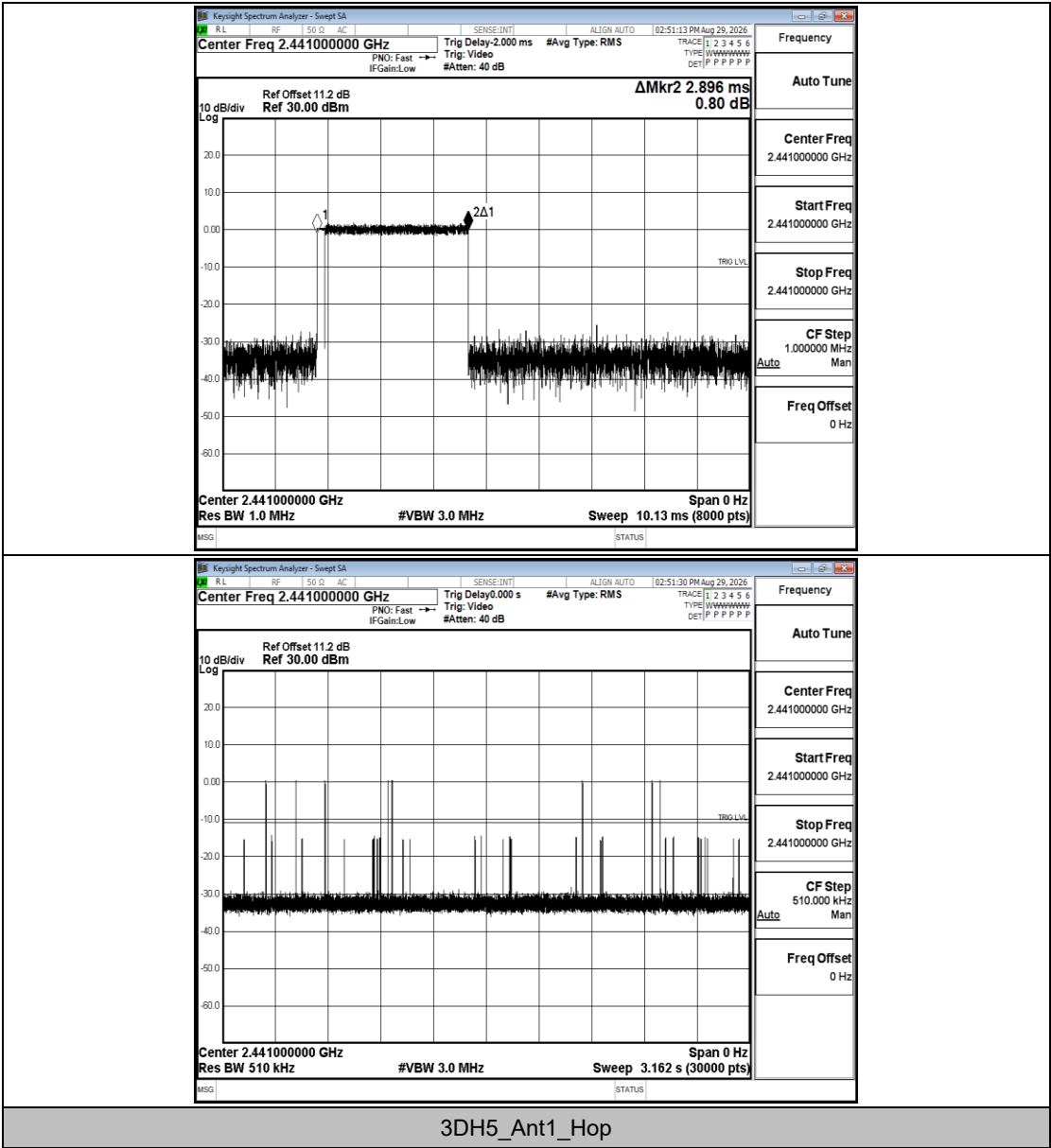
A.4 Time of occupancy

Test Result

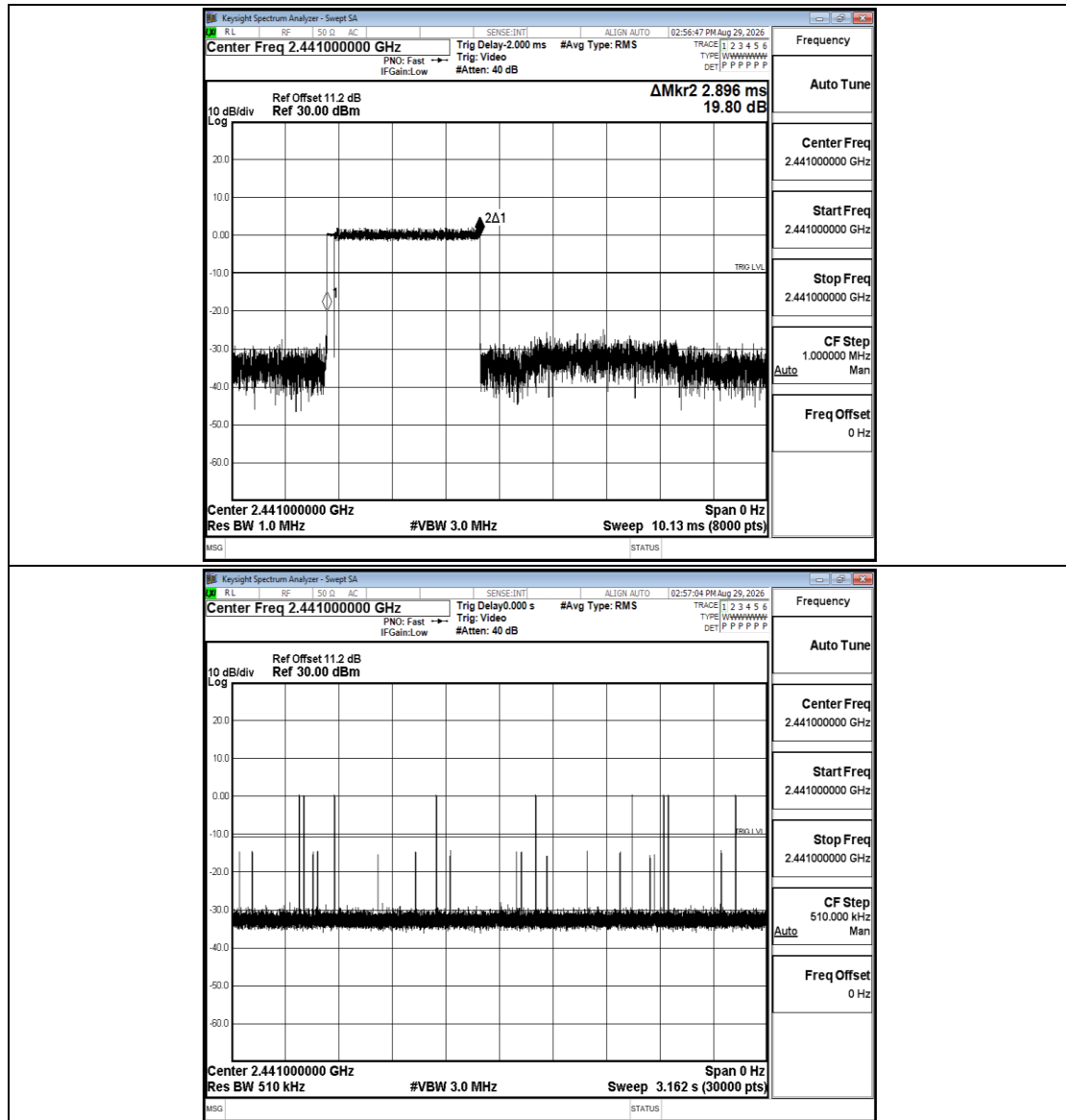
TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	40	0.116	≤0.4	PASS
2DH5	Ant1	Hop	2.896	90	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.896	100	0.29	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop



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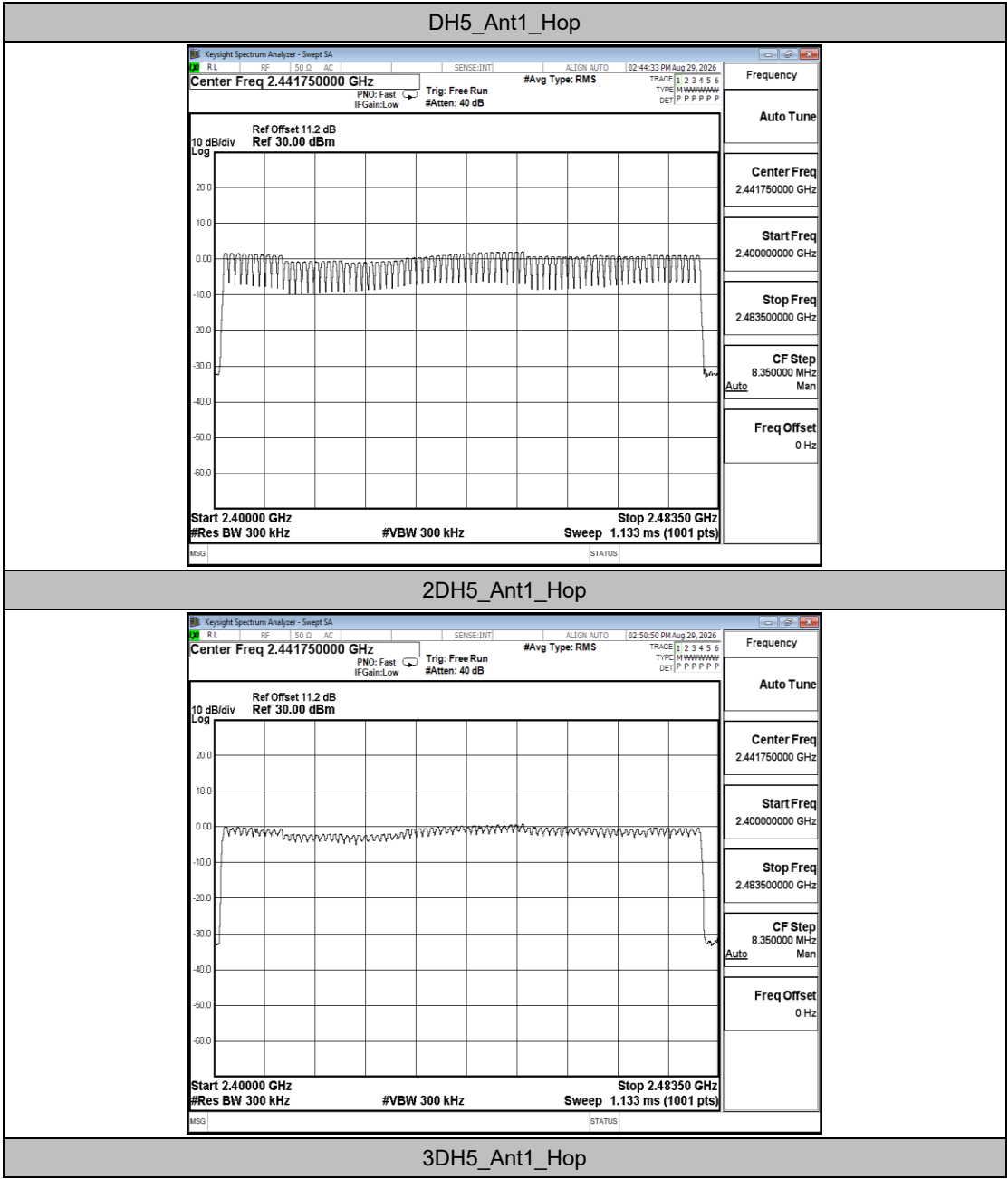
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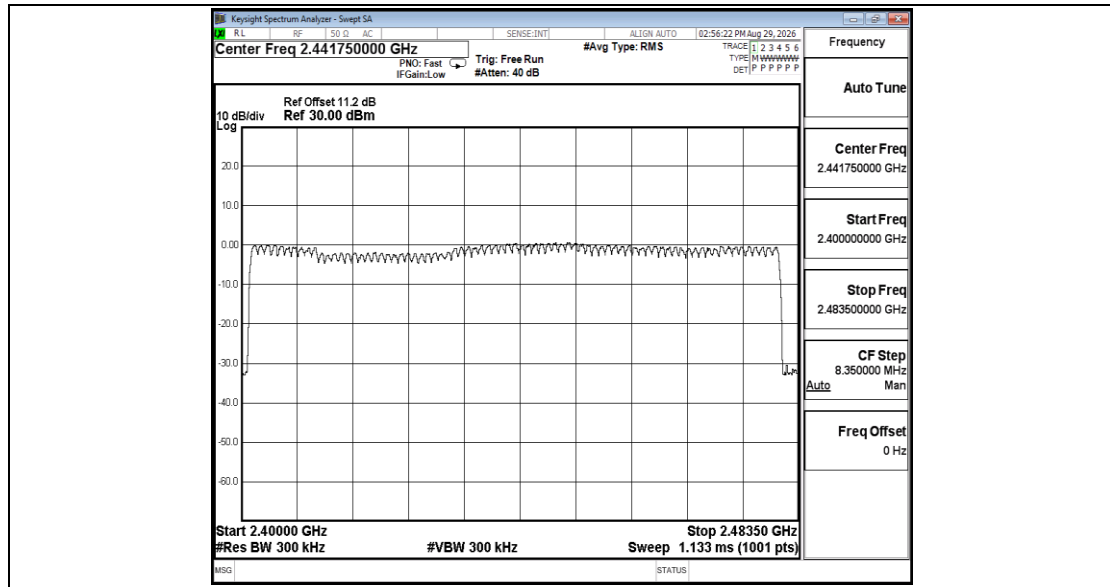
A.5 Number of hopping channels

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



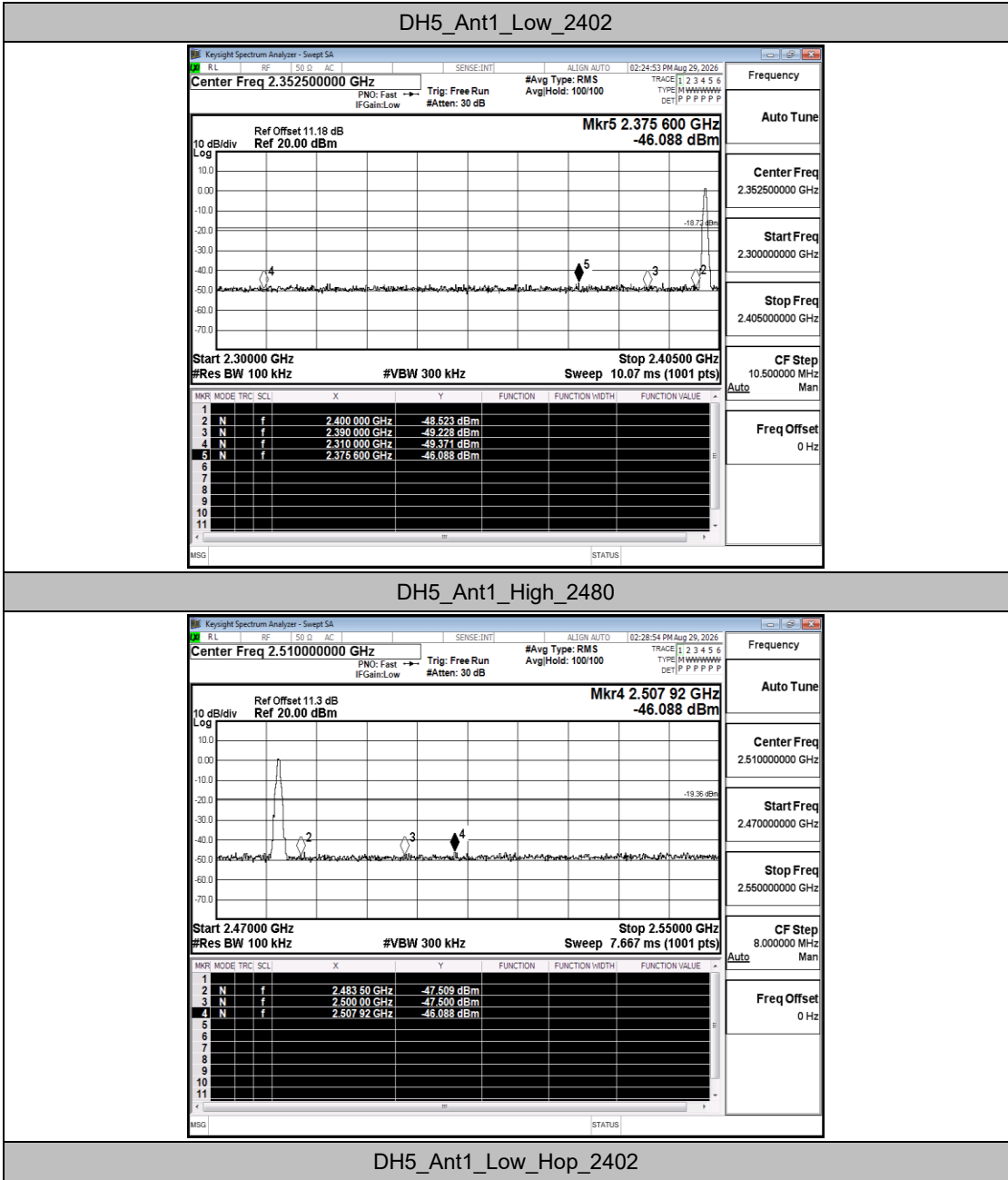


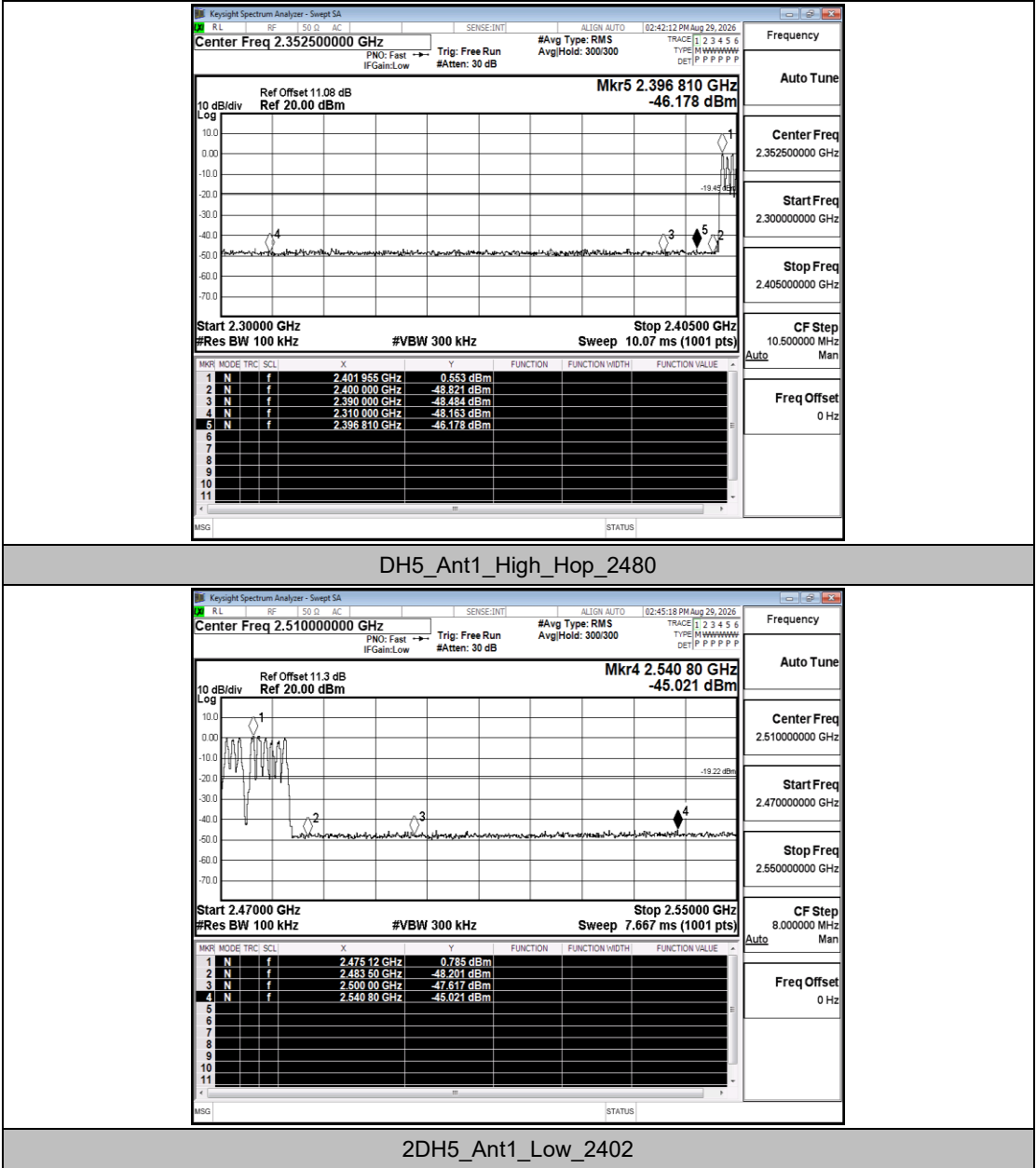
A.6 Band edge measurements

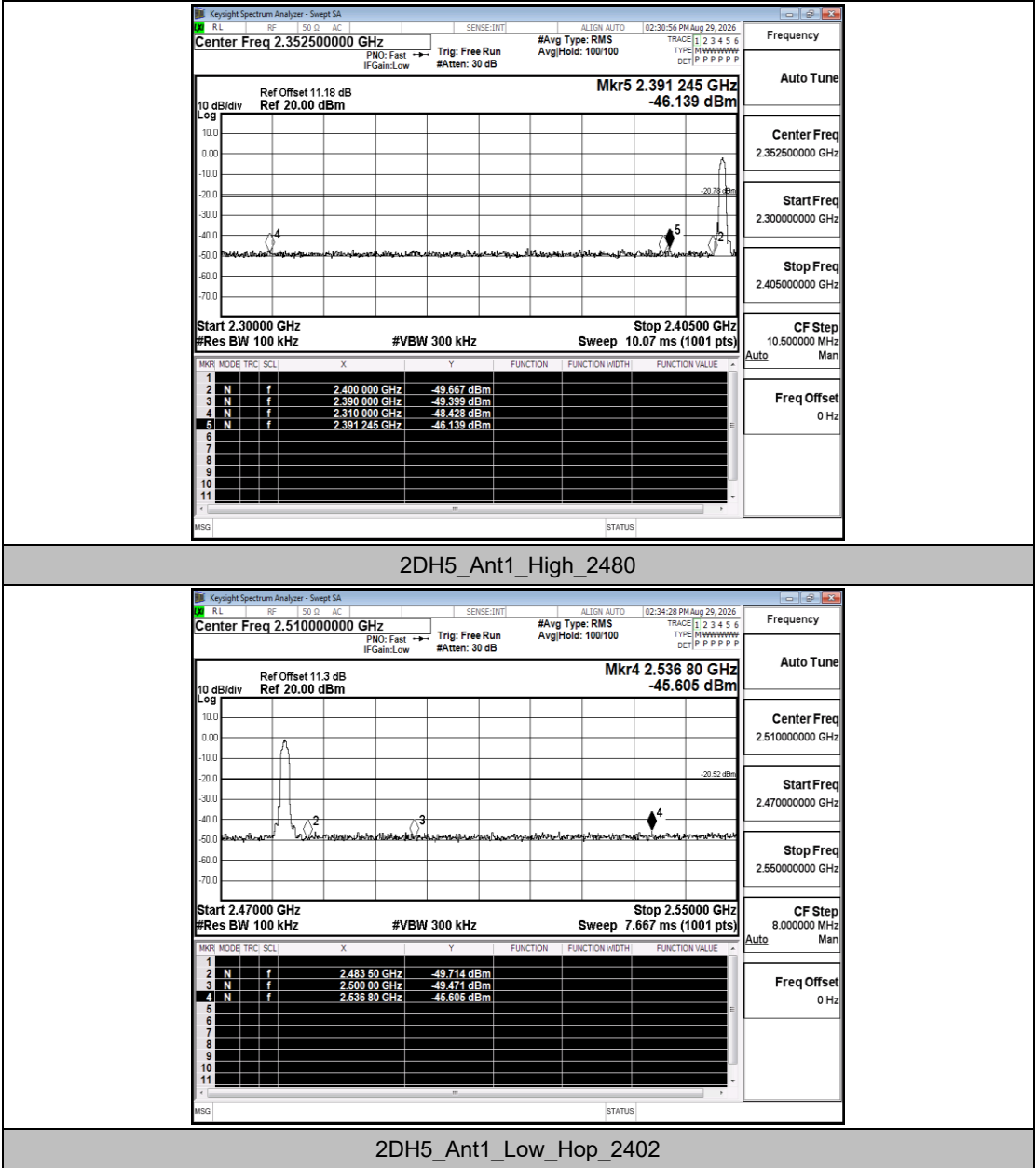
Test Result

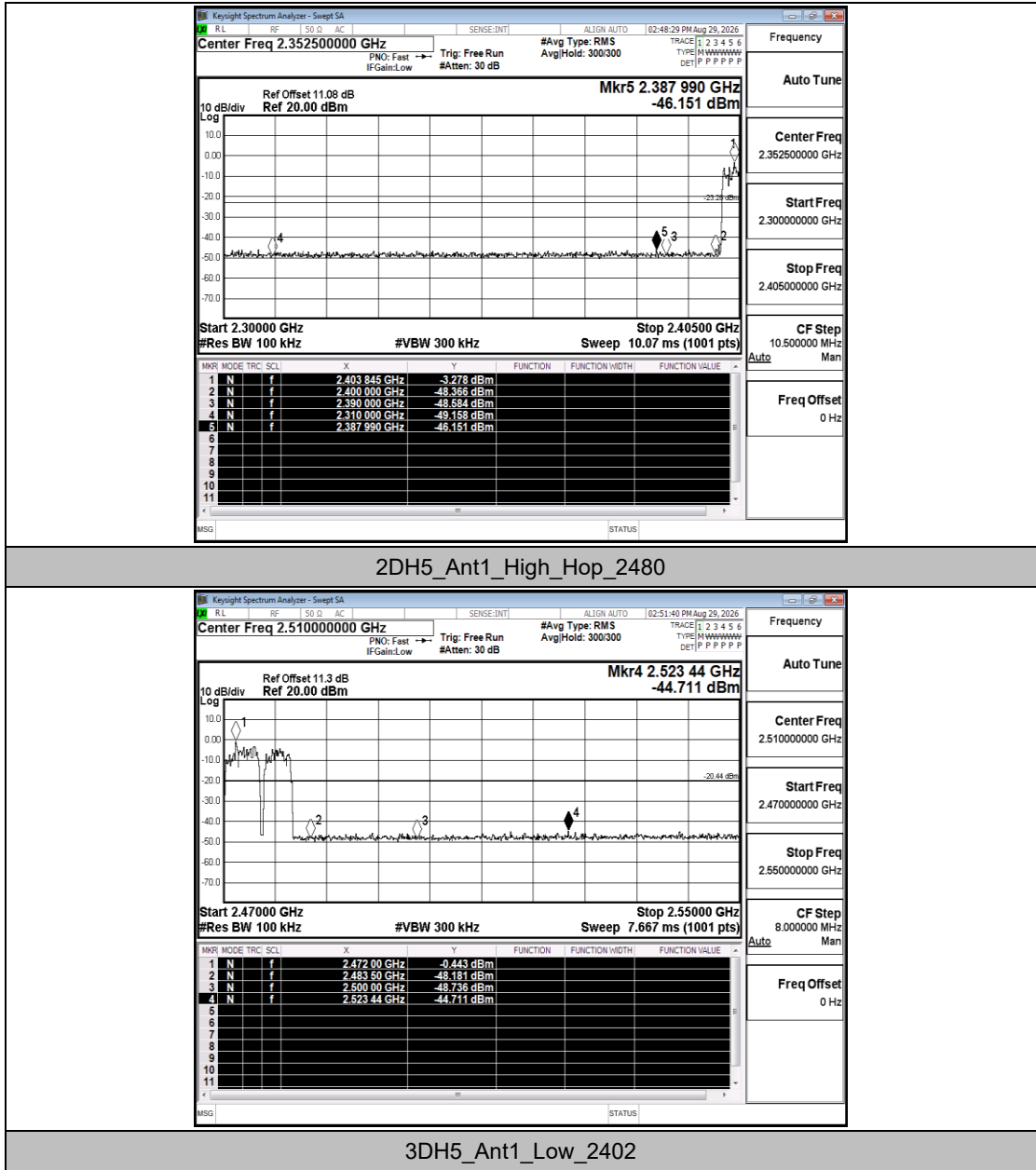
TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.28	-46.09	≤-18.72	PASS
		High	2480	0.64	-46.09	≤-19.36	PASS
		Low	Hop_2402	0.55	-46.18	≤-19.45	PASS
		High	Hop_2480	0.79	-45.02	≤-19.22	PASS
2DH5	Ant1	Low	2402	-0.78	-46.14	≤-20.78	PASS
		High	2480	-0.52	-45.61	≤-20.52	PASS
		Low	Hop_2402	-3.28	-46.15	≤-23.28	PASS
		High	Hop_2480	-0.44	-44.71	≤-20.44	PASS
3DH5	Ant1	Low	2402	-0.25	-46.09	≤-20.25	PASS
		High	2480	-0.49	-45.89	≤-20.49	PASS
		Low	Hop_2402	-2.45	-45.98	≤-22.45	PASS
		High	Hop_2480	-1.65	-45.1	≤-21.65	PASS

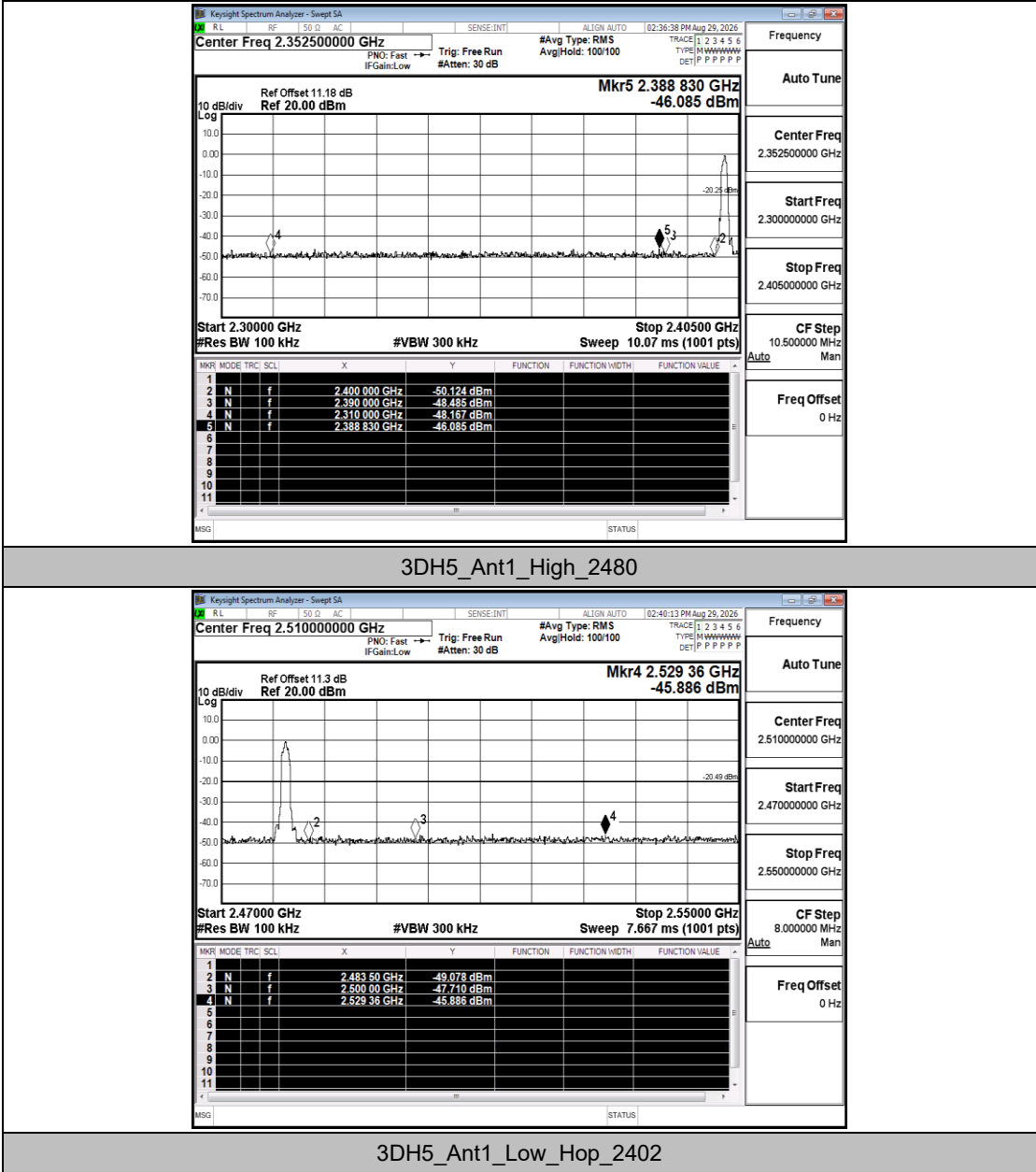
Test Graphs

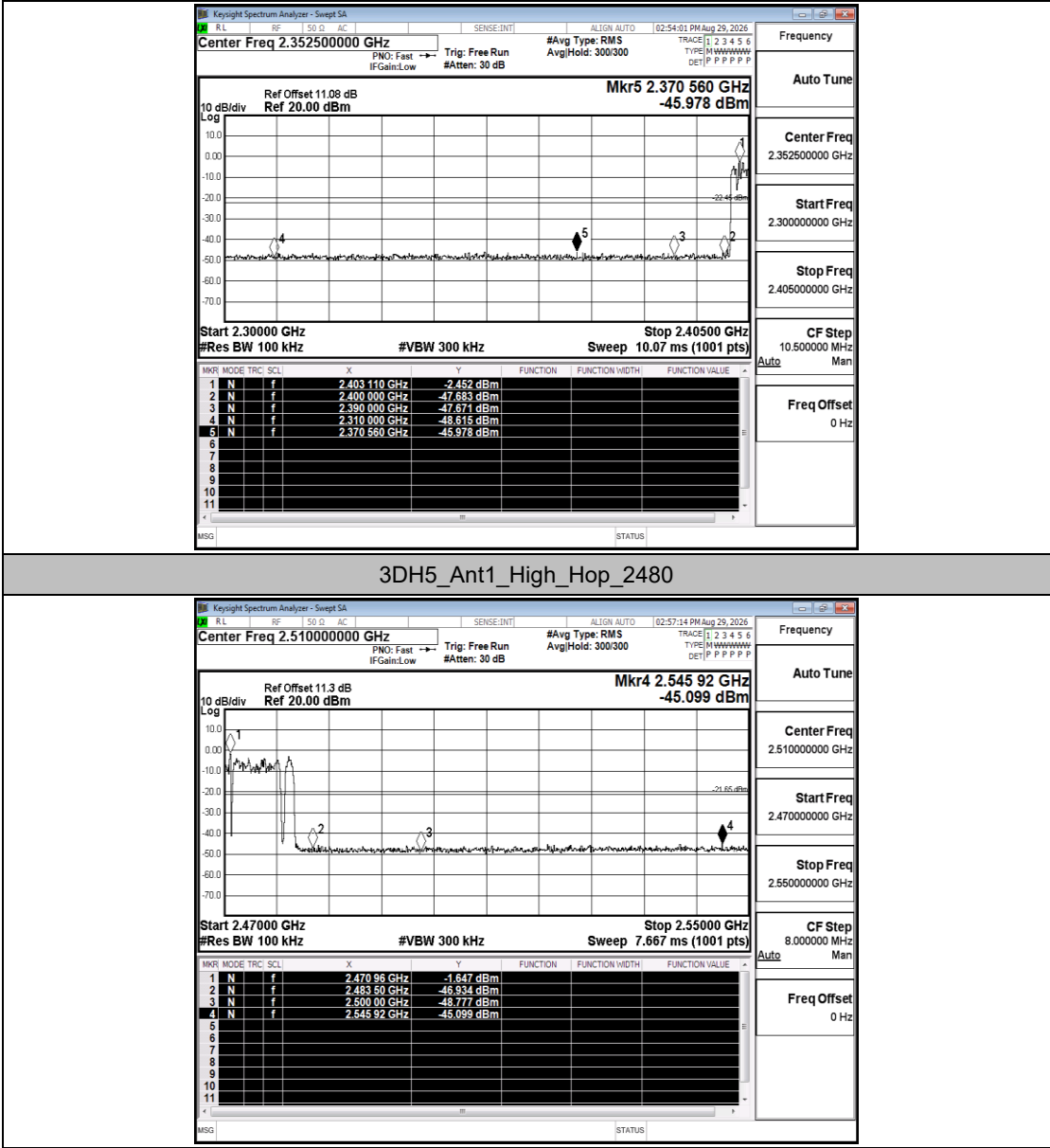












A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-70.01	≤-18.69	PASS
			1000~26500	1.31	-44.52	≤-18.69	PASS
		2441	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-60.73	≤-18.87	PASS
			1000~26500	1.13	-44.25	≤-18.87	PASS
		2480	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-69.24	≤-19.22	PASS
			1000~26500	0.78	-44.58	≤-19.22	PASS
2DH5	Ant1	2402	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-68.95	≤-20.27	PASS
			1000~26500	-0.27	-39.04	≤-20.27	PASS
		2441	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-70.01	≤-19.91	PASS
			1000~26500	0.09	-44.4	≤-19.91	PASS
		2480	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-69.98	≤-20.54	PASS
			1000~26500	-0.54	-44.83	≤-20.54	PASS
3DH5	Ant1	2402	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-69.22	≤-20.24	PASS
			1000~26500	-0.24	-43.63	≤-20.24	PASS
		2441	Reference	0.20	0.20	---	PASS
			30~1000	0.20	-70.03	≤-19.8	PASS
			1000~26500	0.20	-44.68	≤-19.8	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-69.97	≤-20.49	PASS
			1000~26500	-0.49	-44.35	≤-20.49	PASS

Test Graphs

