

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Portable Wireless Display Monitor

Test Model: MVQ30106GW

Environmental Conditions

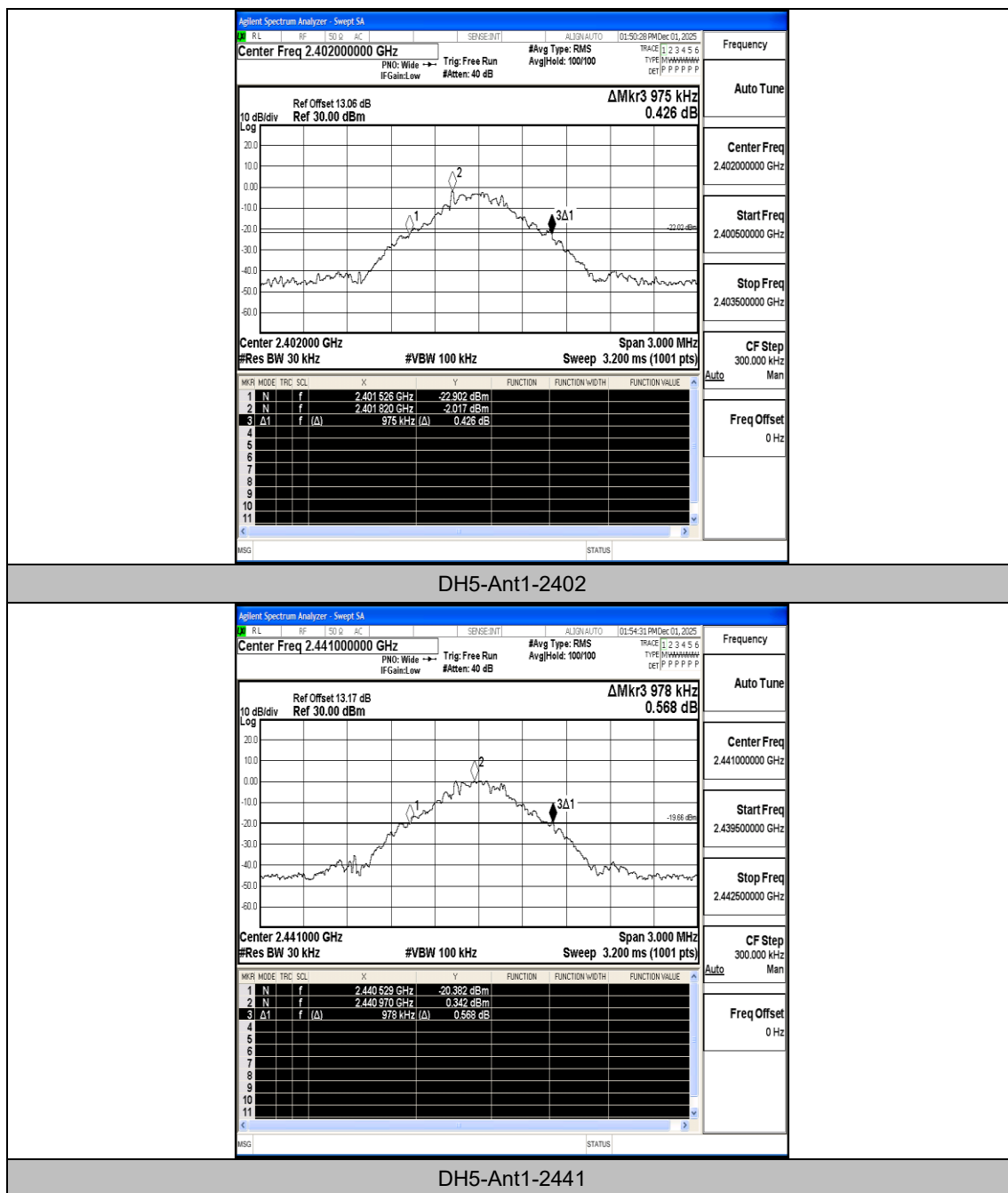
Temperature:	23.3°C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Yongzhou Huang
Supervised by:	Fengliu Tang

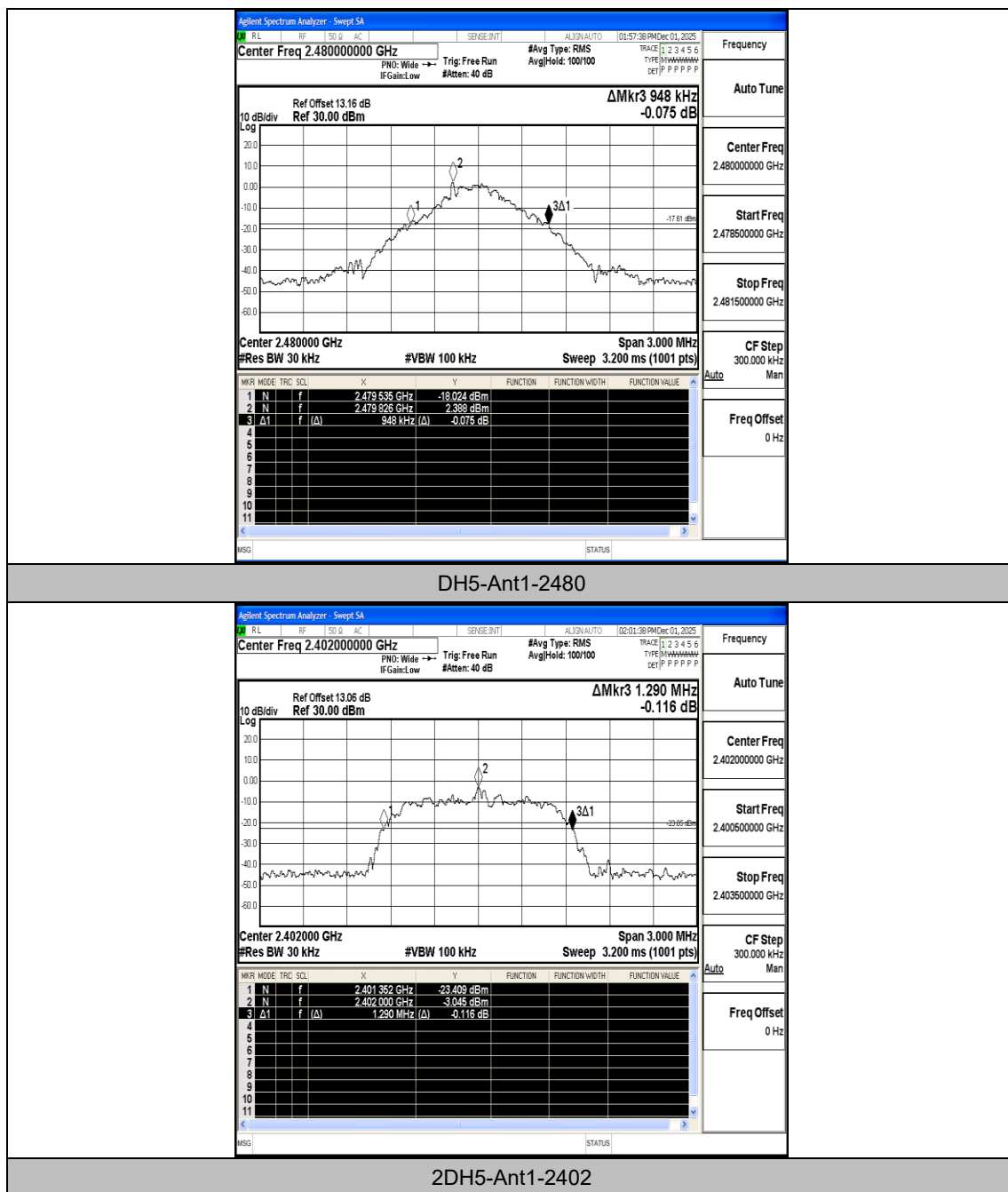
A.1 20dB Emission Bandwidth

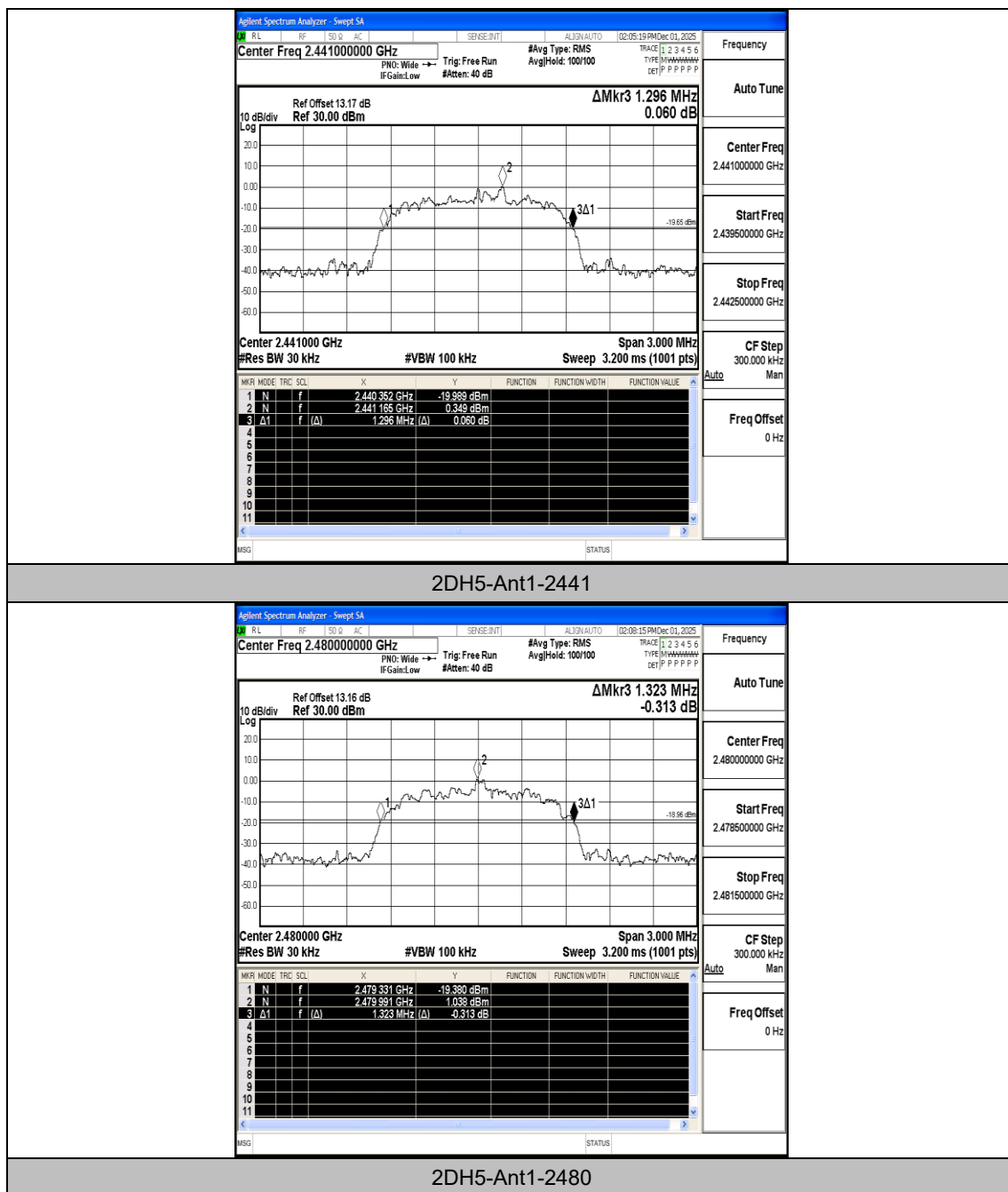
Test Result

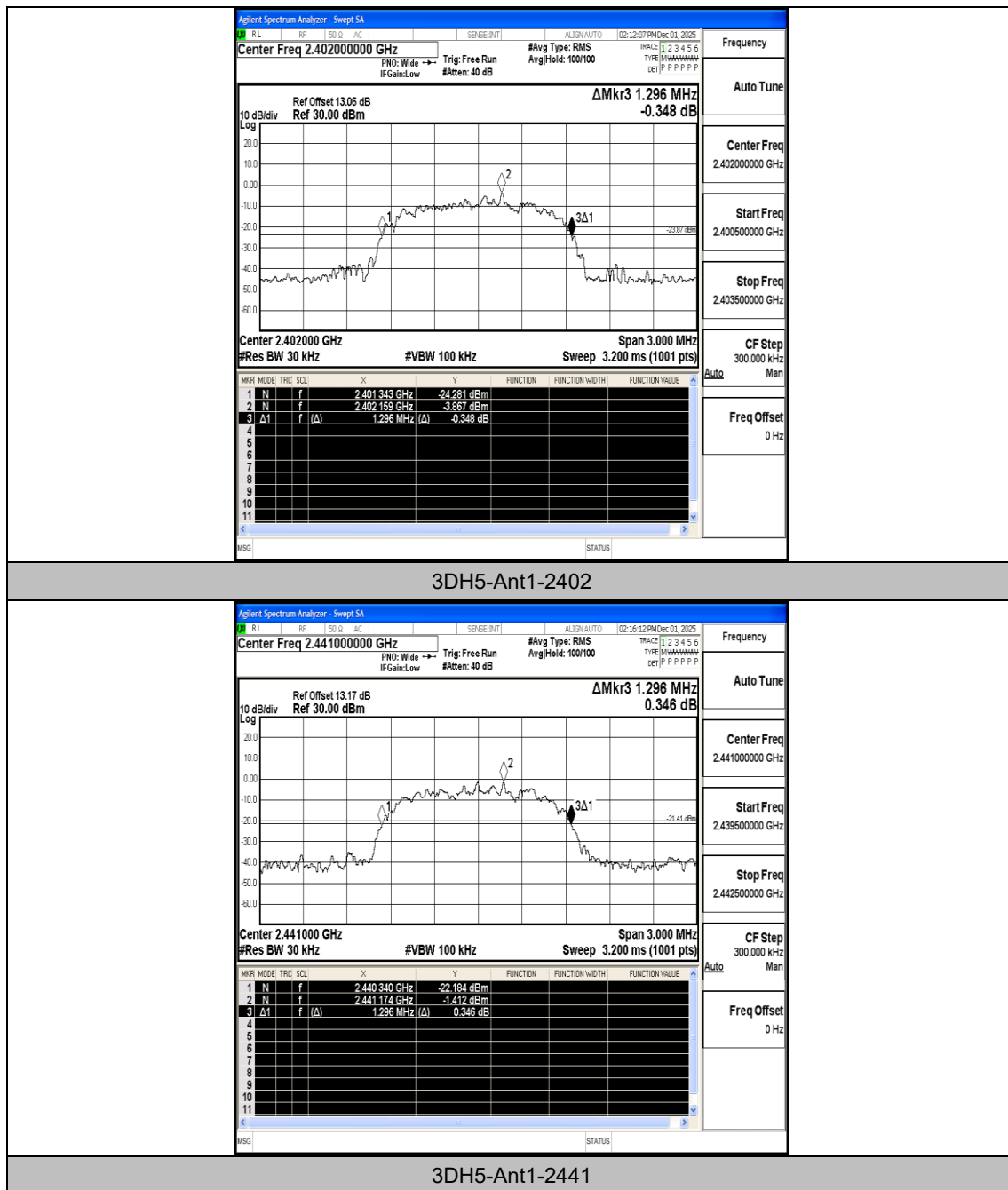
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.975	2401.526	2402.501	---	---
DH5	Ant1	2441	0.978	2440.529	2441.507	---	---
DH5	Ant1	2480	0.948	2479.535	2480.483	---	---
2DH5	Ant1	2402	1.290	2401.352	2402.642	---	---
2DH5	Ant1	2441	1.296	2440.352	2441.648	---	---
2DH5	Ant1	2480	1.323	2479.331	2480.654	---	---
3DH5	Ant1	2402	1.296	2401.343	2402.639	---	---
3DH5	Ant1	2441	1.296	2440.340	2441.636	---	---
3DH5	Ant1	2480	1.338	2479.319	2480.657	---	---

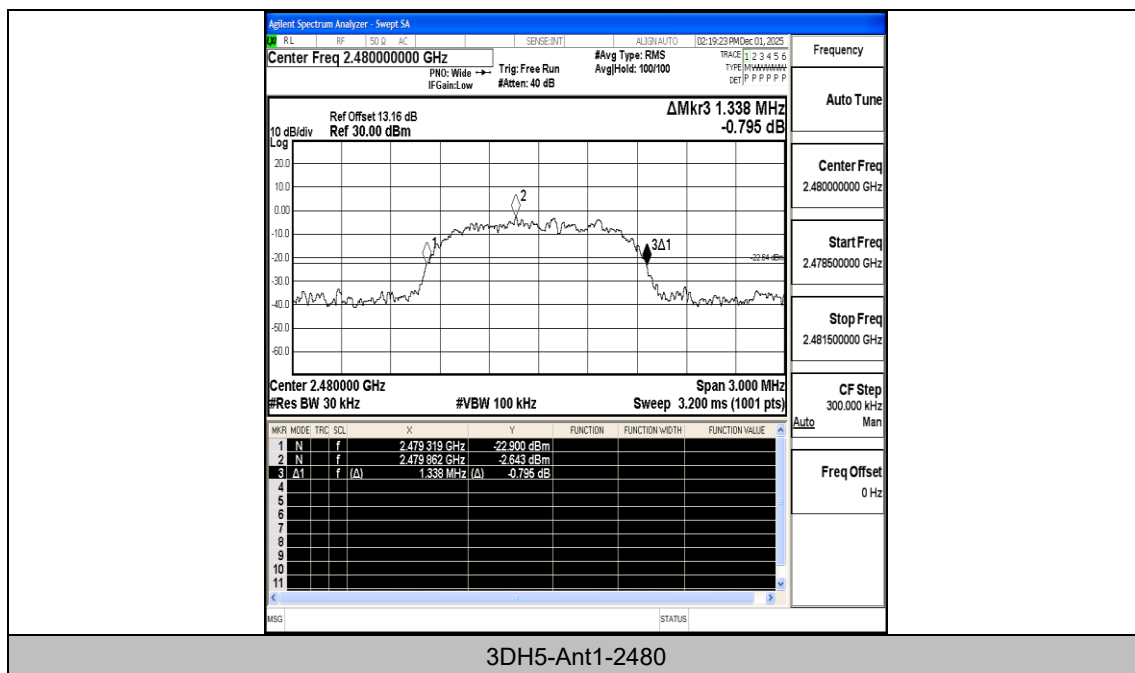
Test Graphs









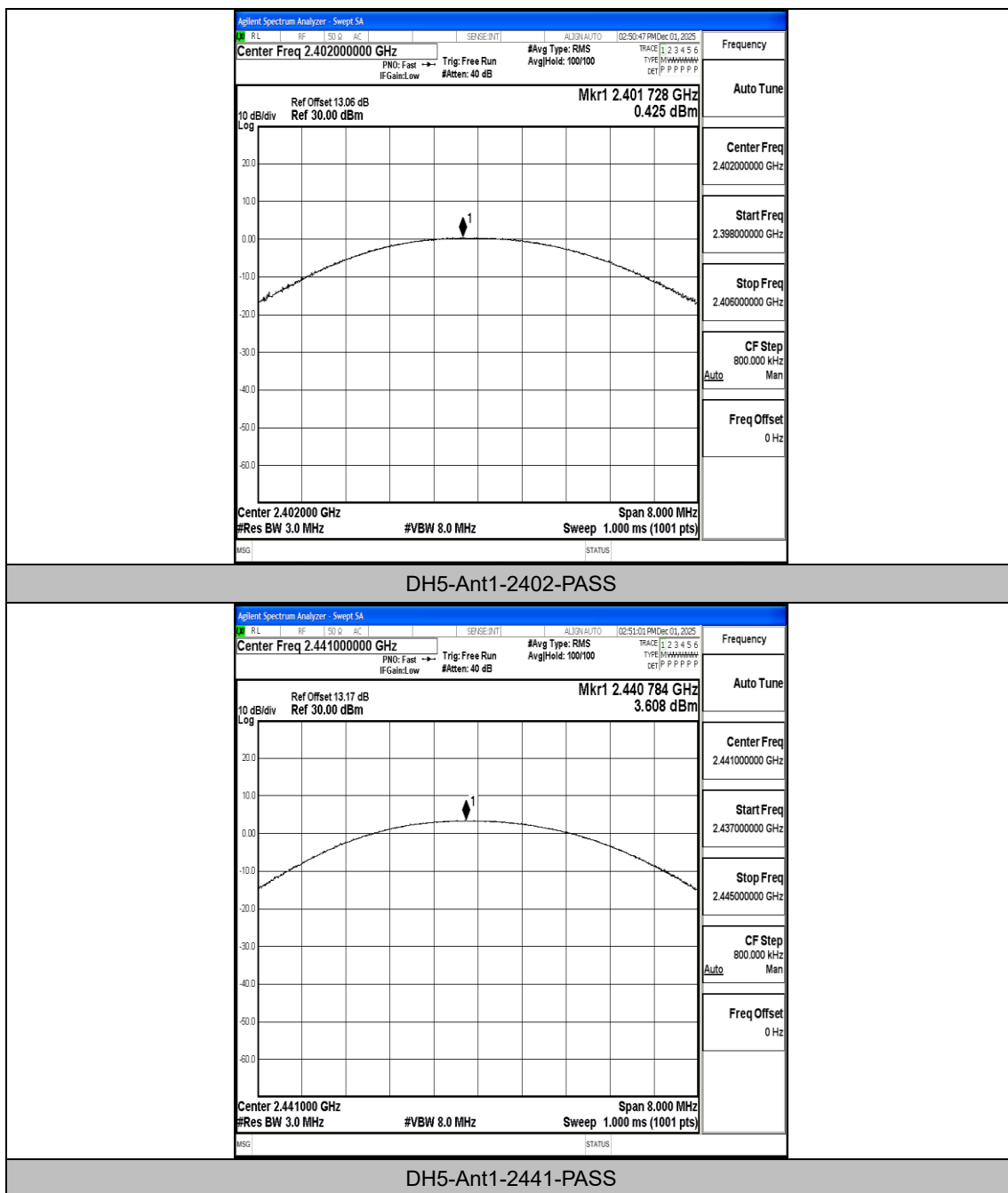


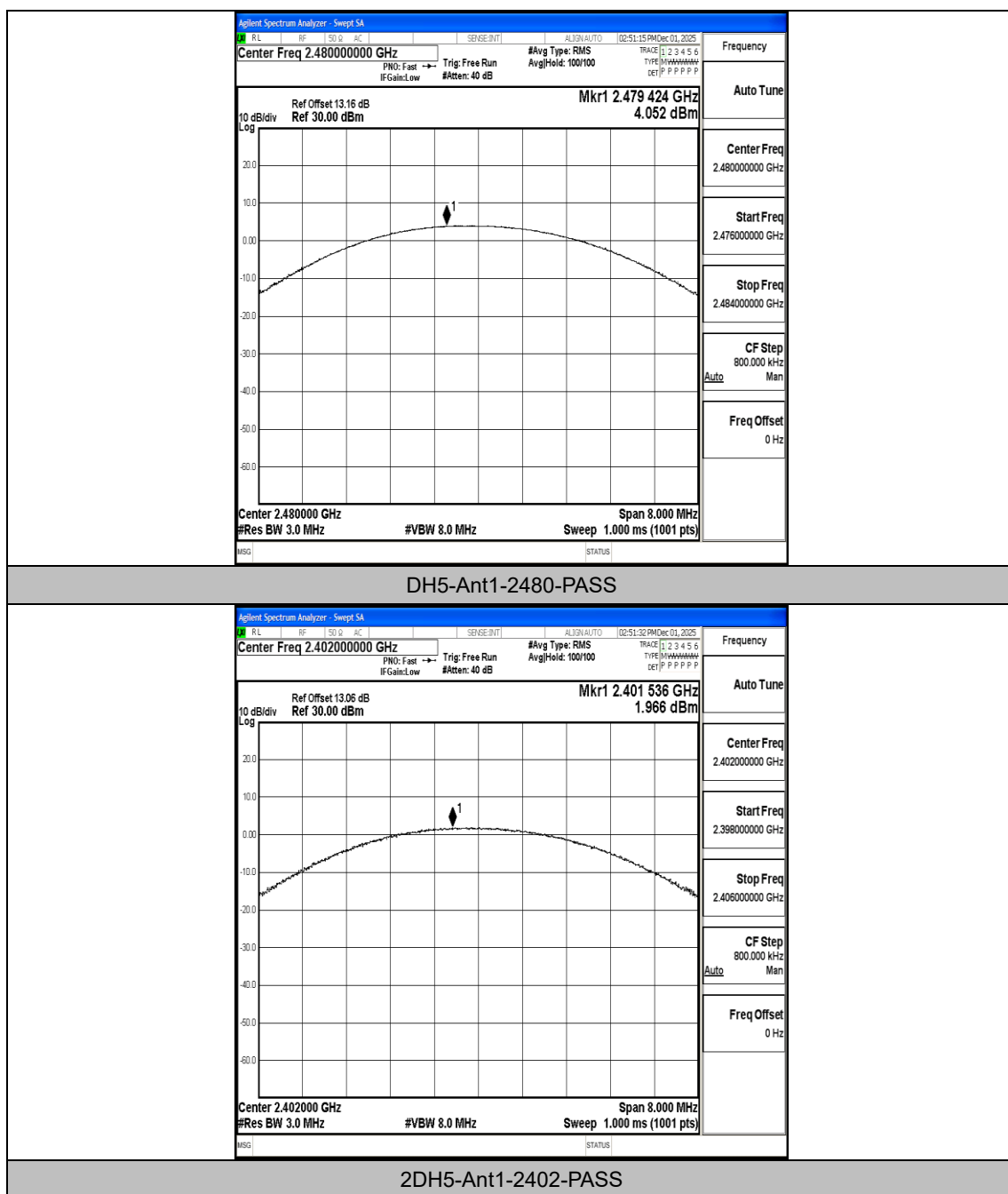
A.2 Maximum Peak conducted output power

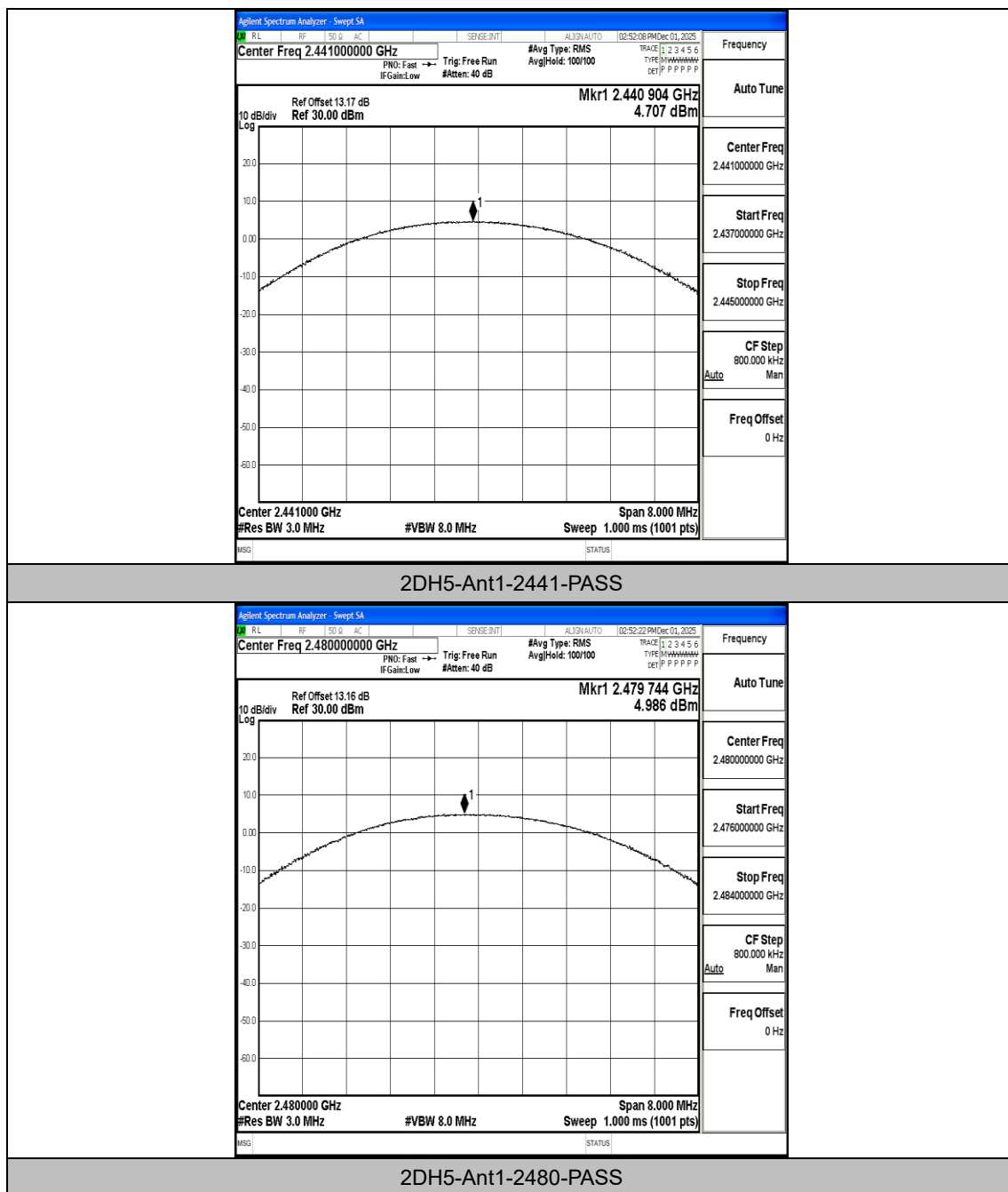
Test Result

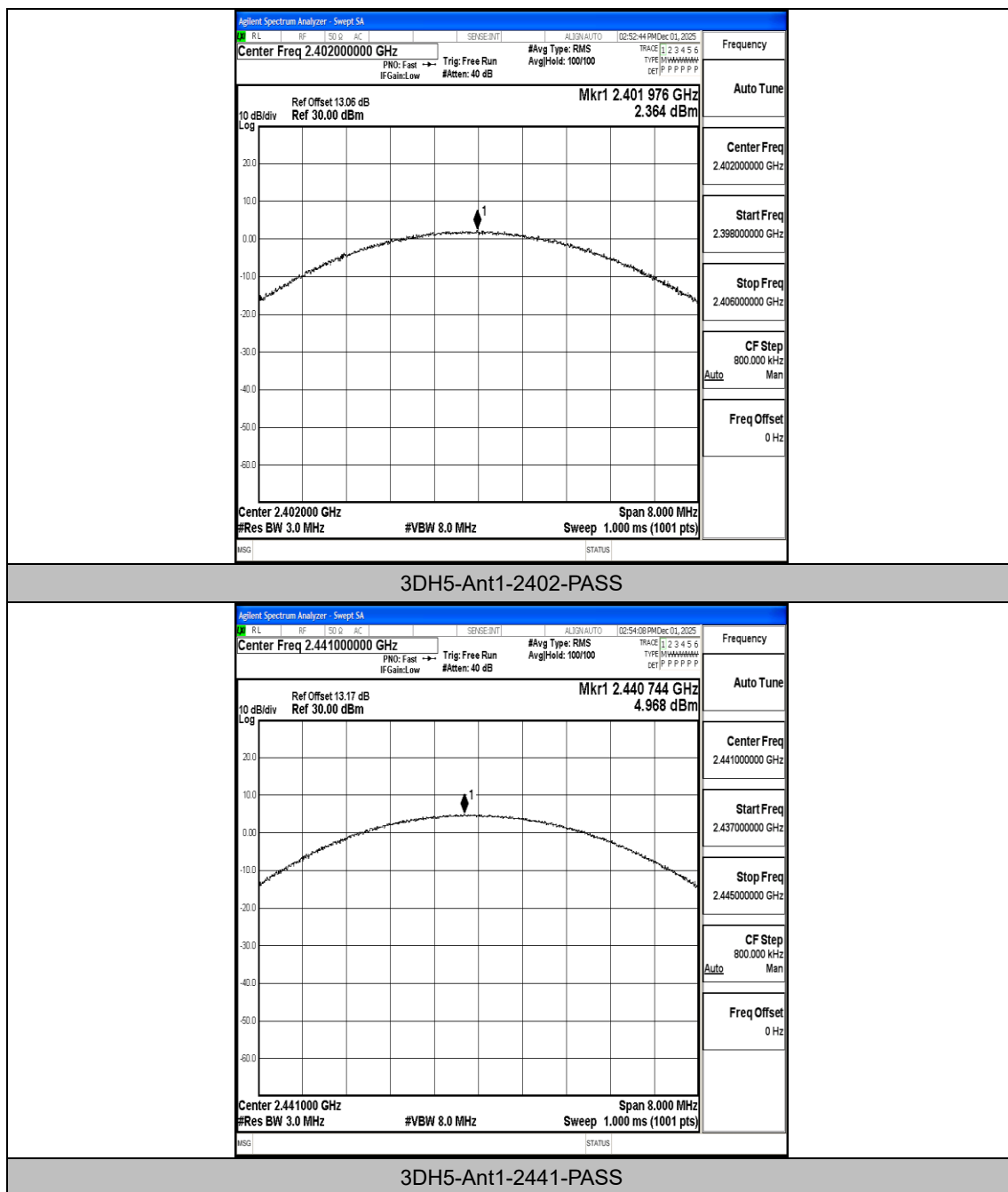
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.43	≤21	PASS
DH5	Ant1	2441	3.61	≤21	PASS
DH5	Ant1	2480	4.05	≤21	PASS
2DH5	Ant1	2402	1.97	≤21	PASS
2DH5	Ant1	2441	4.71	≤21	PASS
2DH5	Ant1	2480	4.99	≤21	PASS
3DH5	Ant1	2402	2.36	≤21	PASS
3DH5	Ant1	2441	4.97	≤21	PASS
3DH5	Ant1	2480	5.08	≤21	PASS

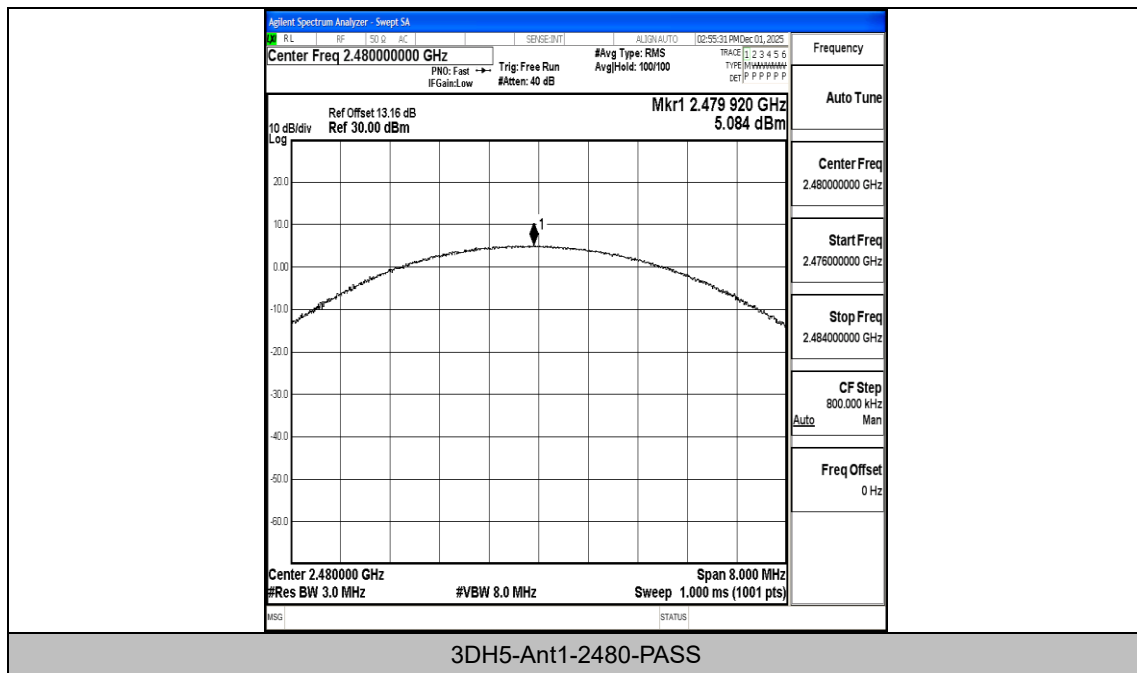
Test Graphs











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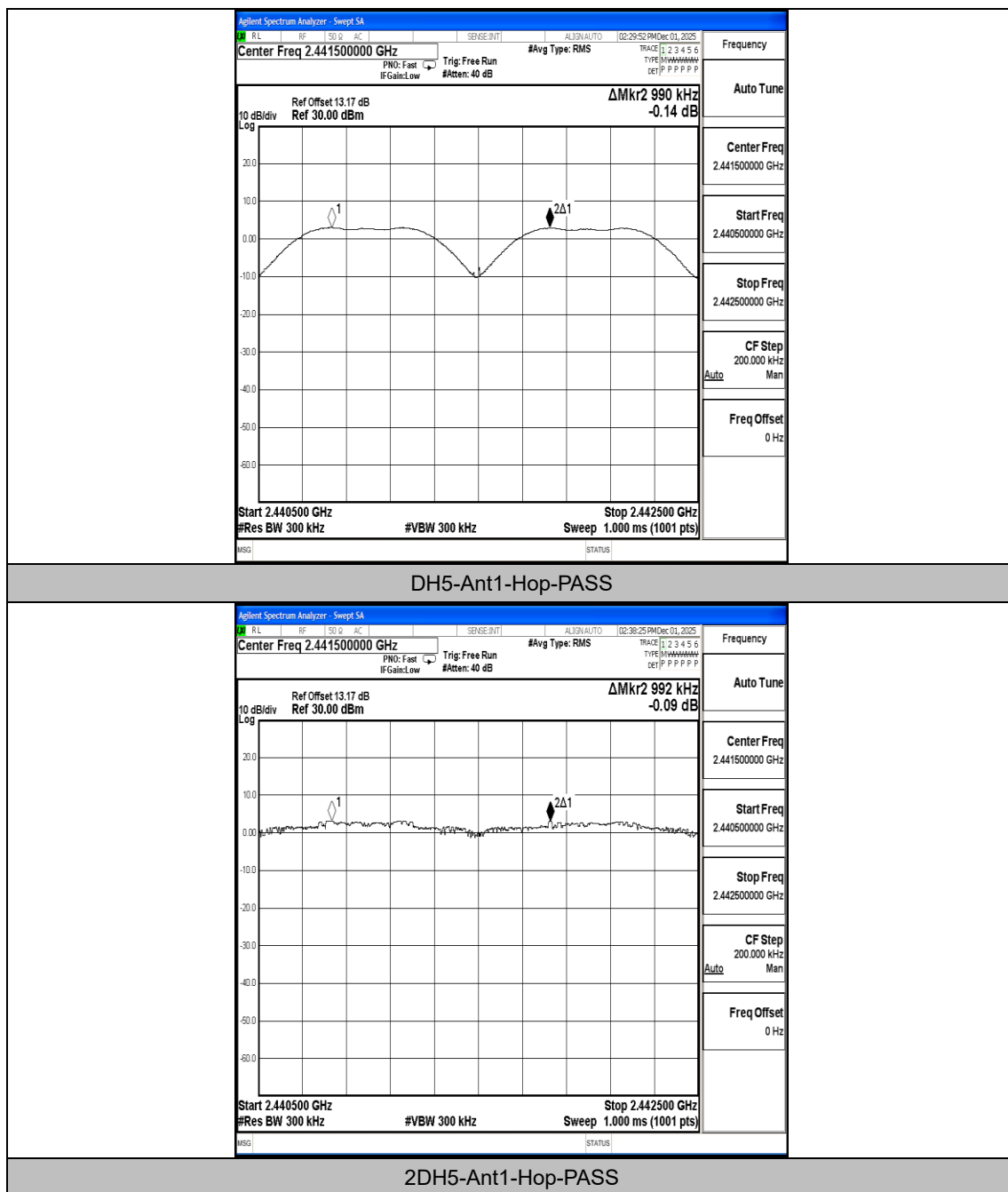
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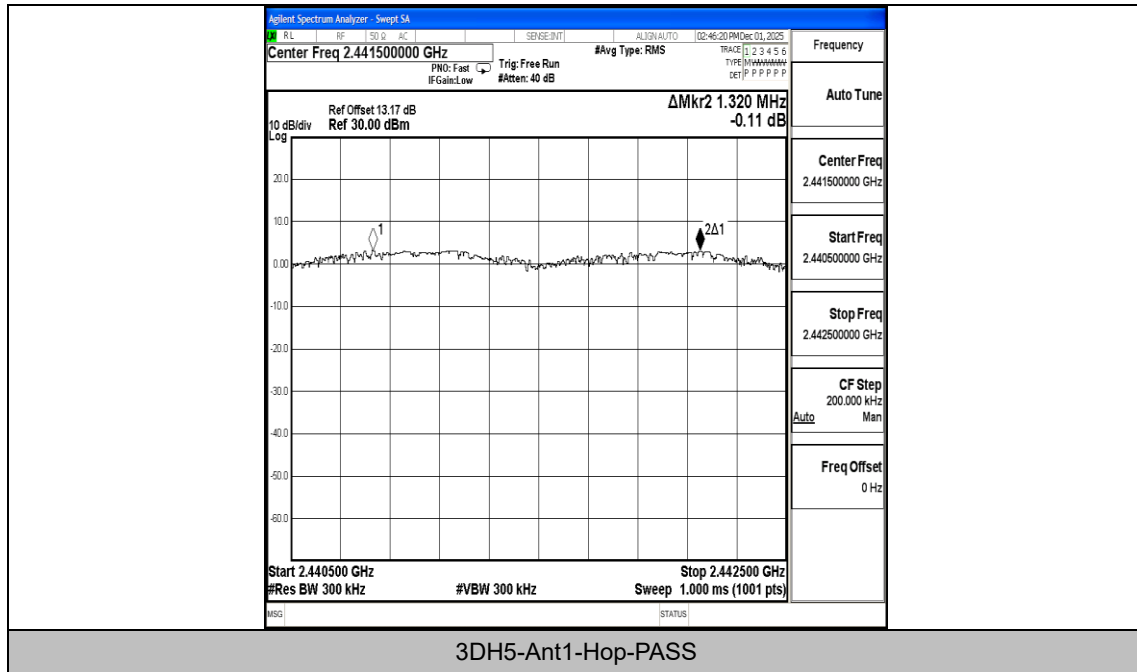
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.99	≥ 0.652	PASS
2DH5	Ant1	Hop	0.992	≥ 0.882	PASS
3DH5	Ant1	Hop	1.32	≥ 0.892	PASS

Test Graphs



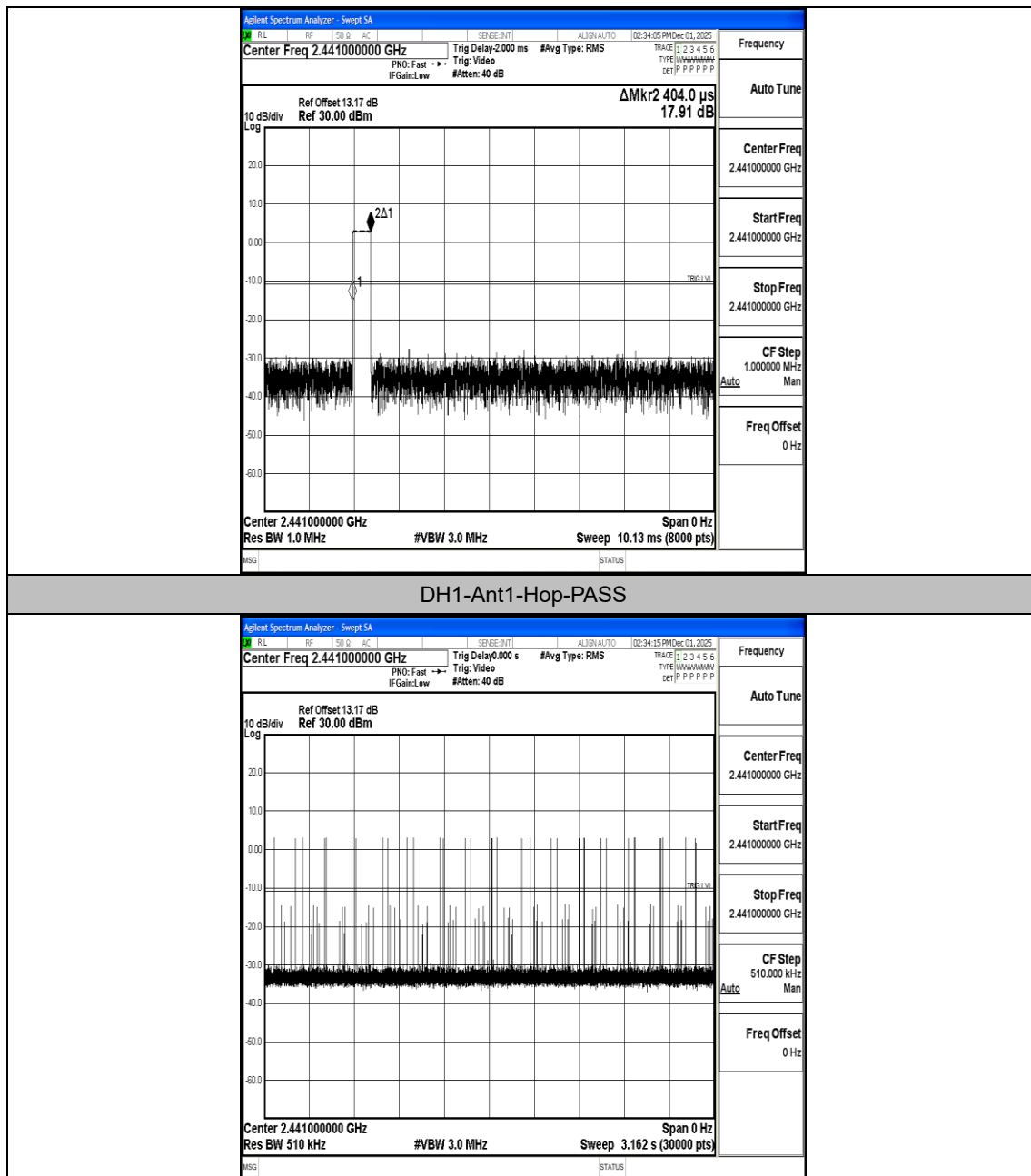


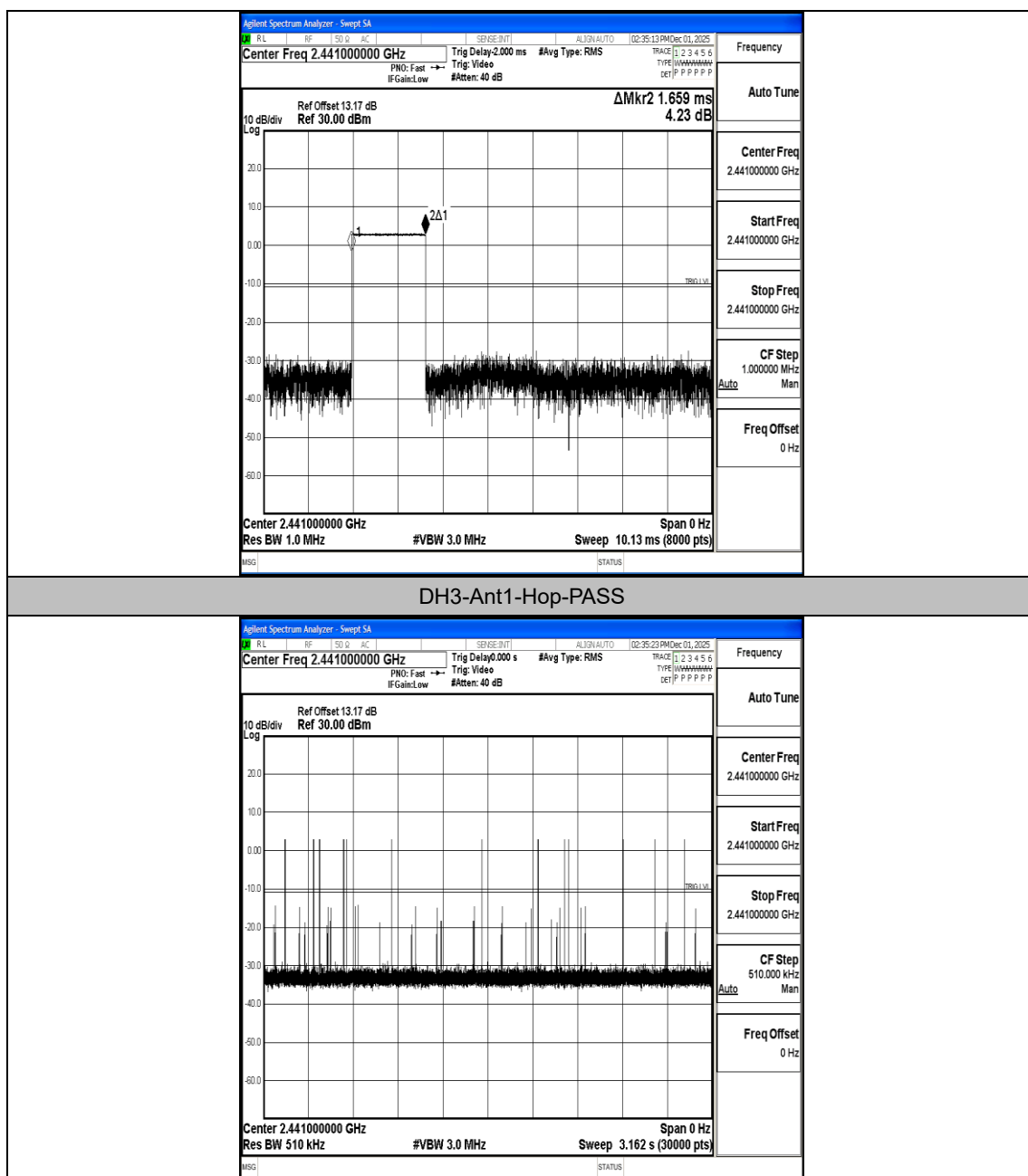
A.4 Time of occupancy

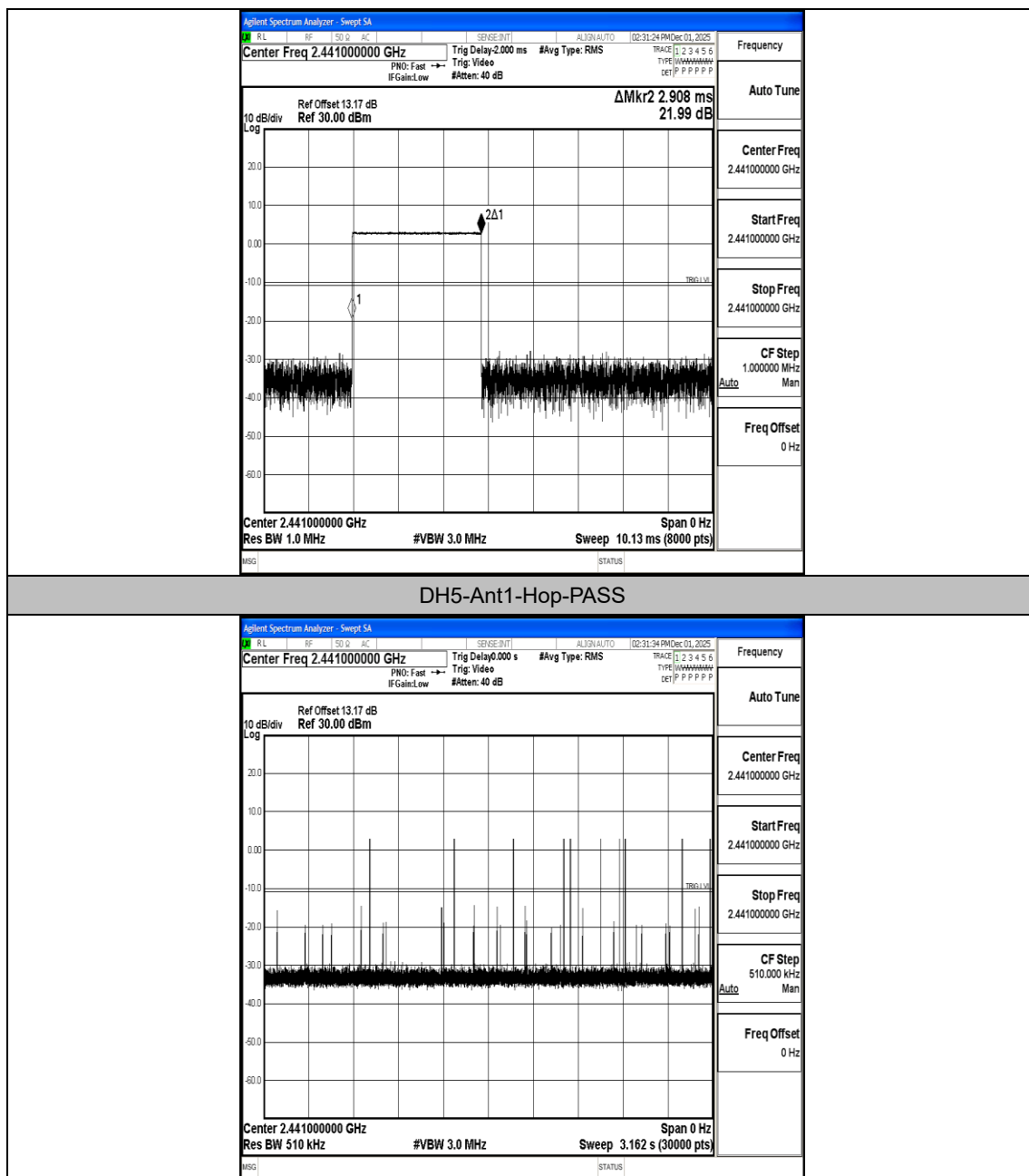
Test Result

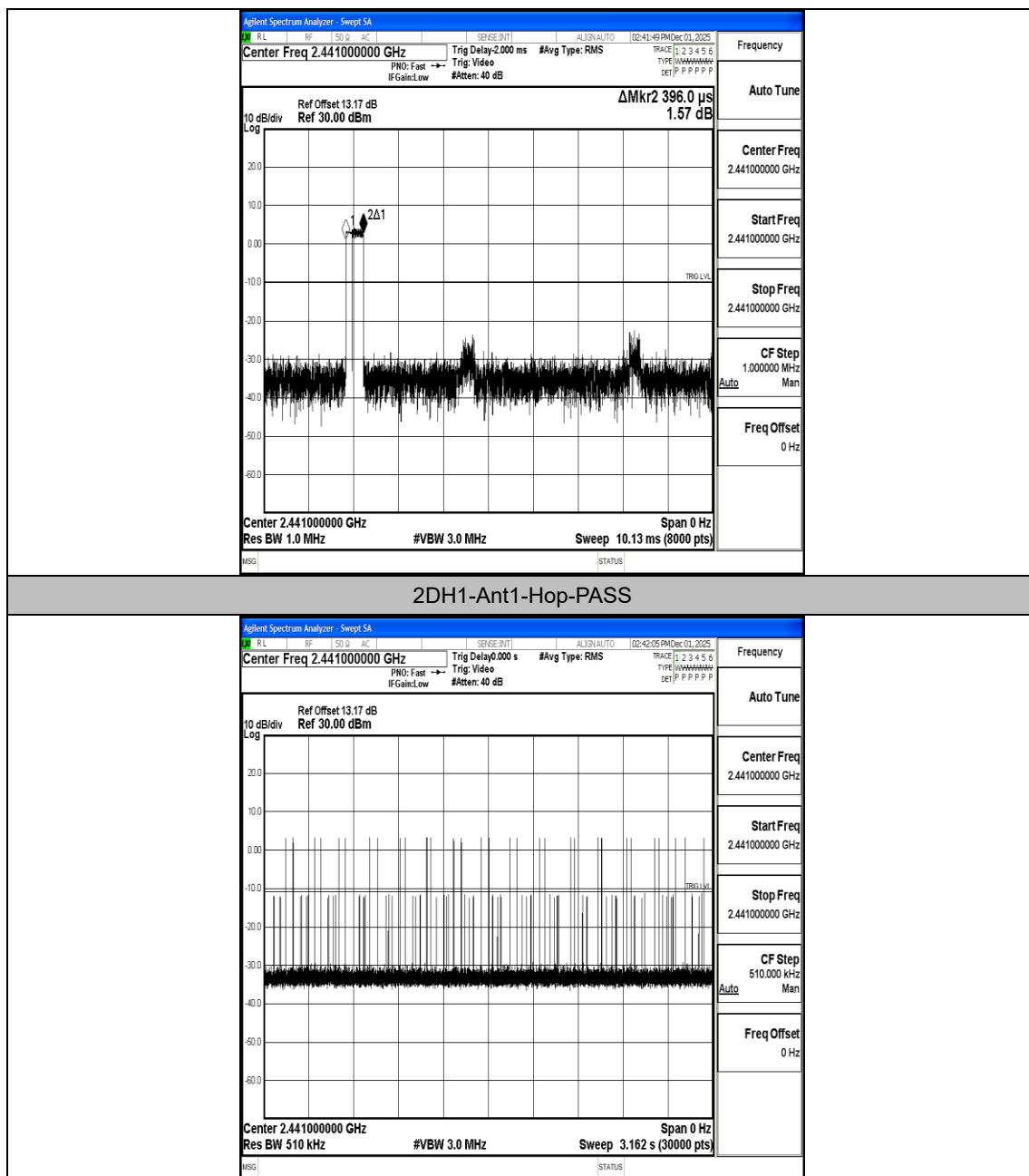
TestMode	Antenna	Frequency [MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.404	330	0.133	≤0.4	PASS
DH3	Ant1	Hop	1.659	140	0.232	≤0.4	PASS
DH5	Ant1	Hop	2.908	110	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.396	320	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.536	170	0.261	≤0.4	PASS
2DH5	Ant1	Hop	1.536	160	0.246	≤0.4	PASS
3DH1	Ant1	Hop	0.395	320	0.126	≤0.4	PASS
3DH3	Ant1	Hop	1.077	160	0.172	≤0.4	PASS
3DH5	Ant1	Hop	1.077	70	0.075	≤0.4	PASS

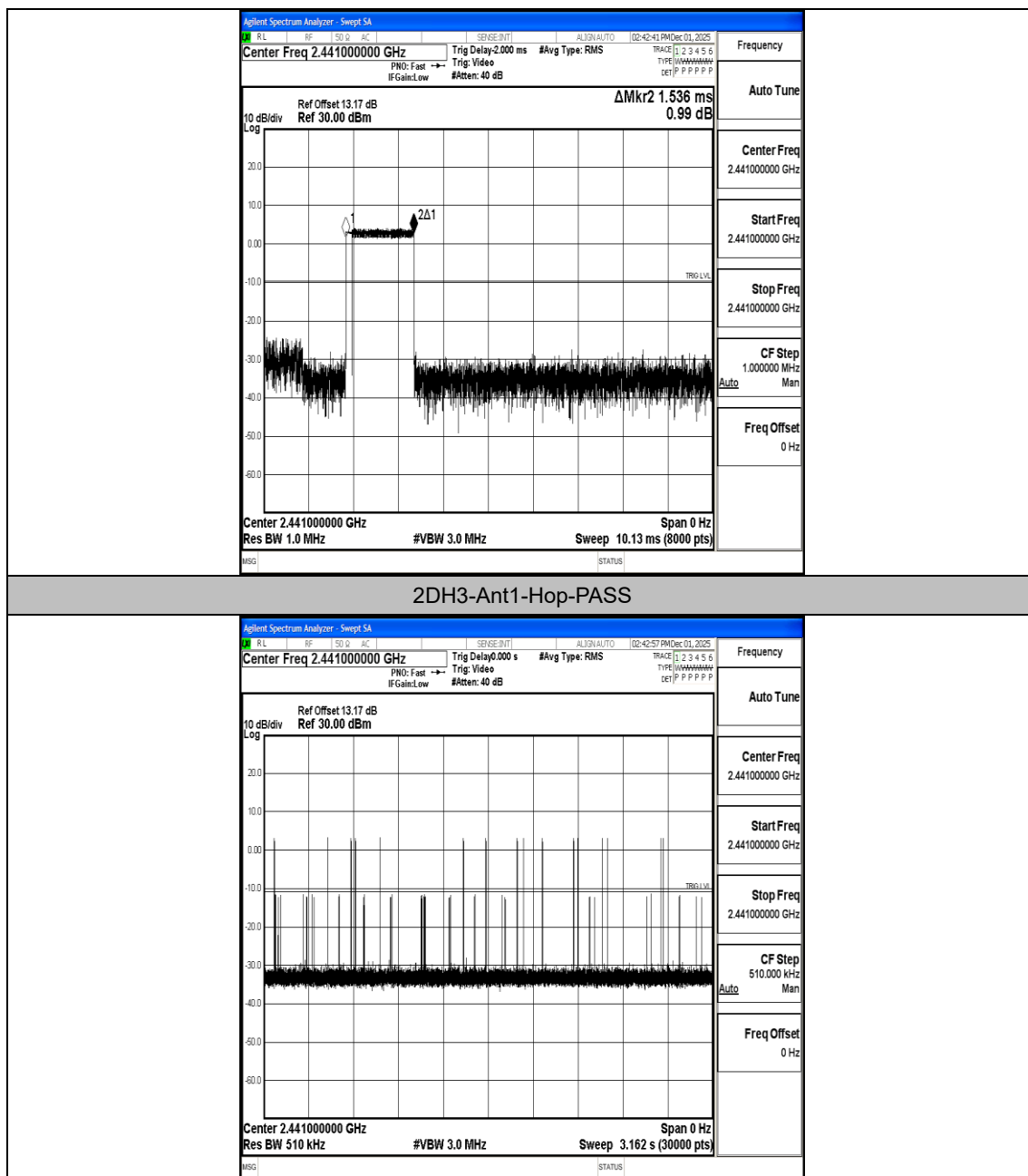
Test Graphs

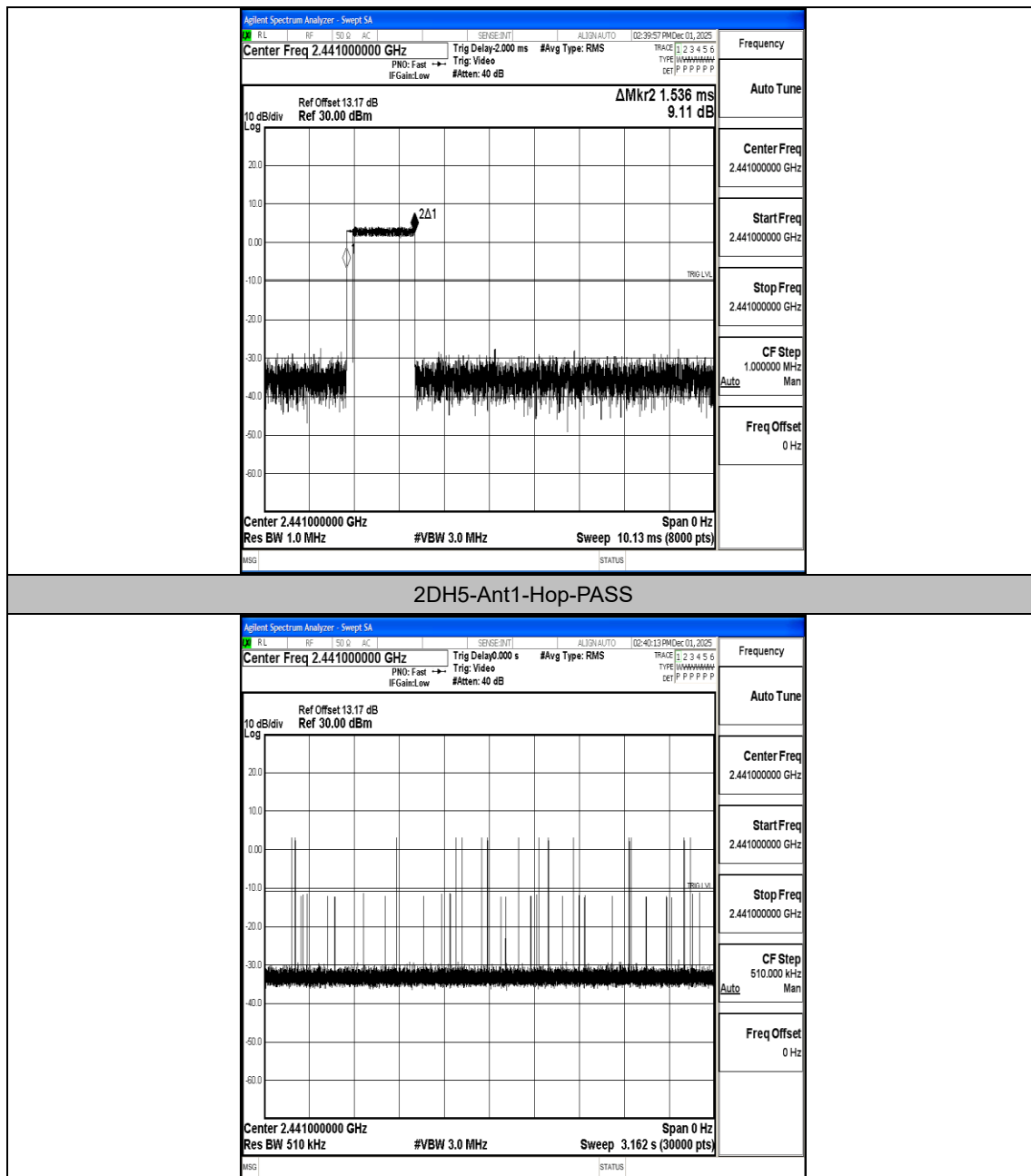


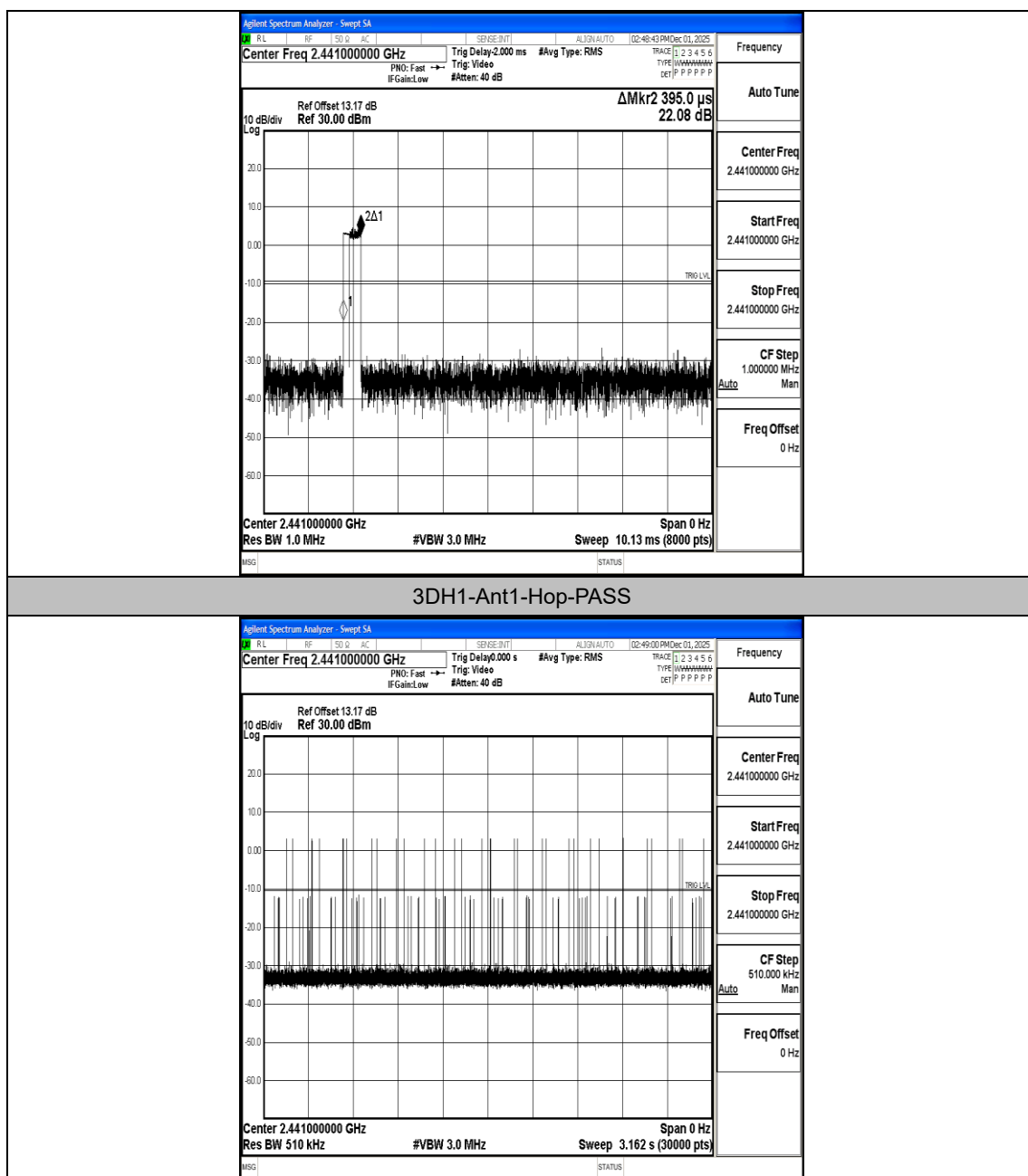


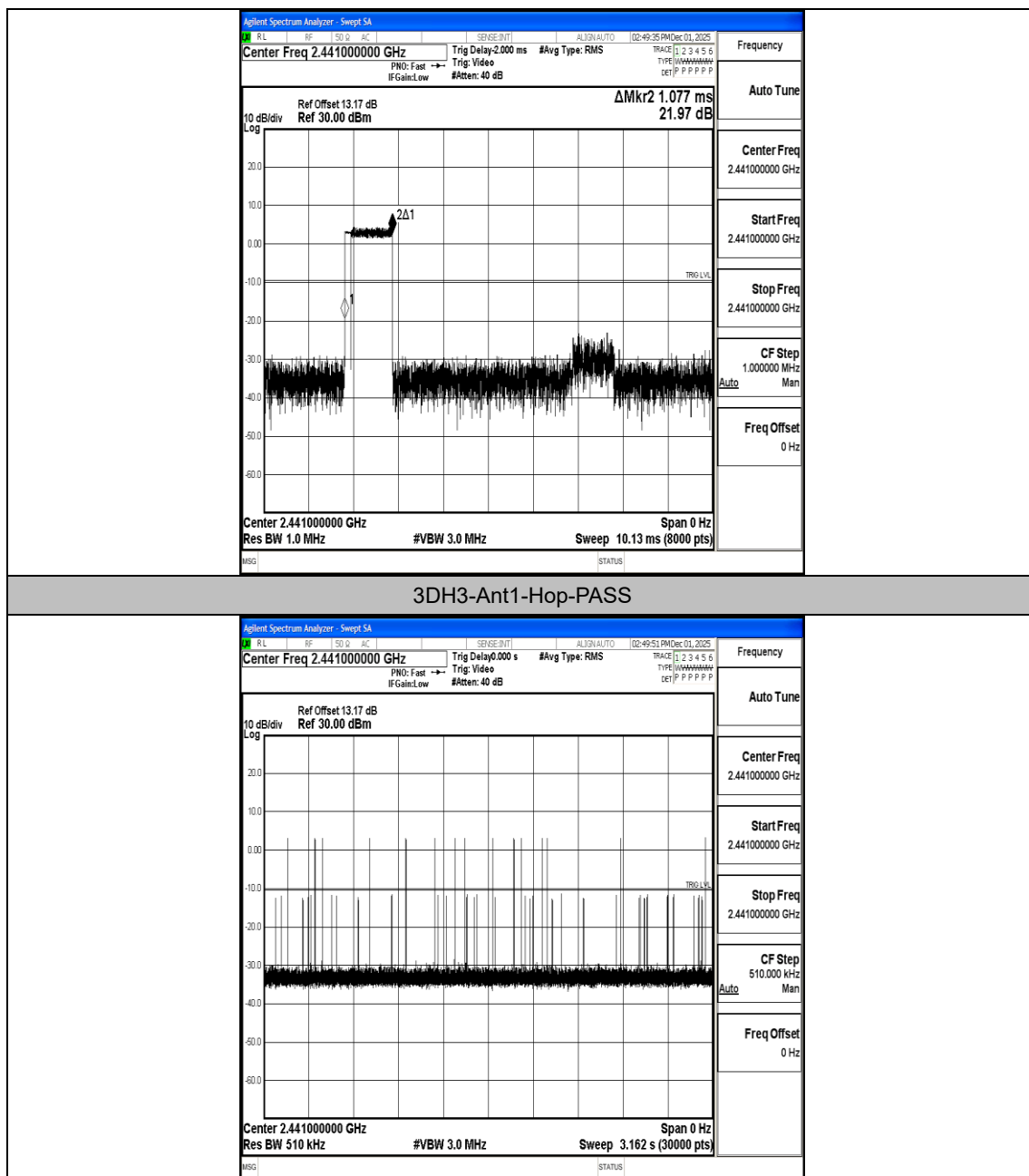


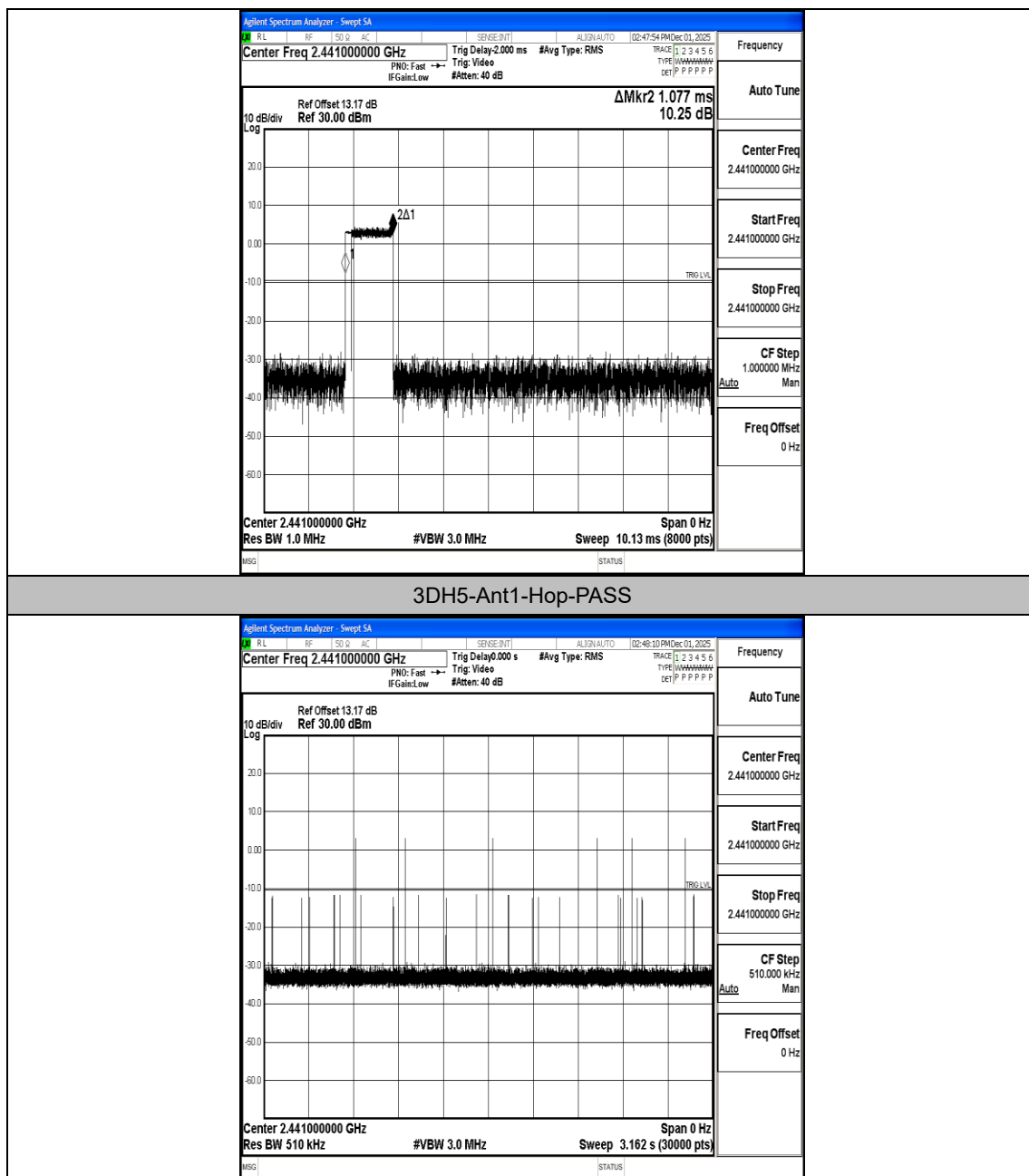










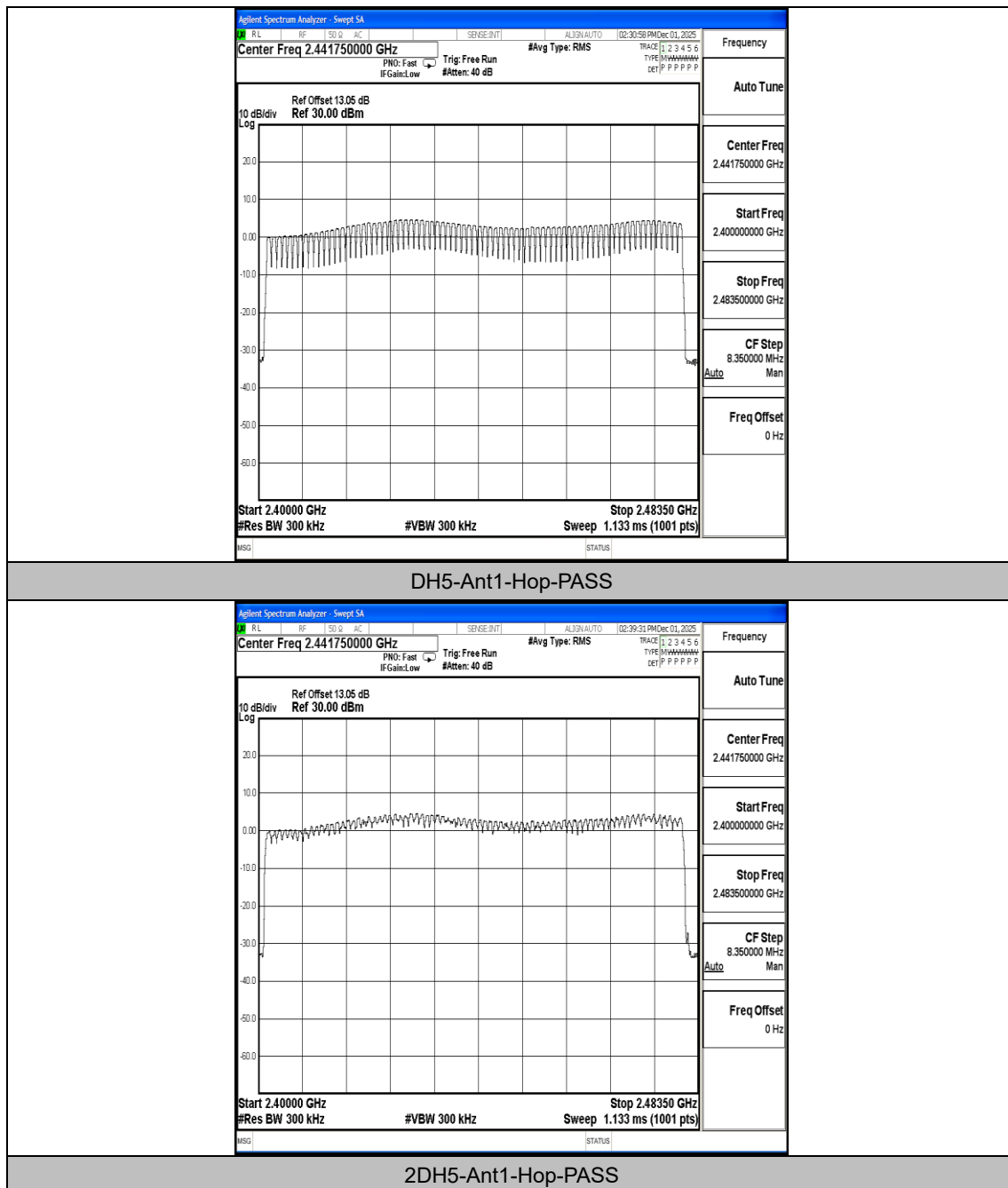


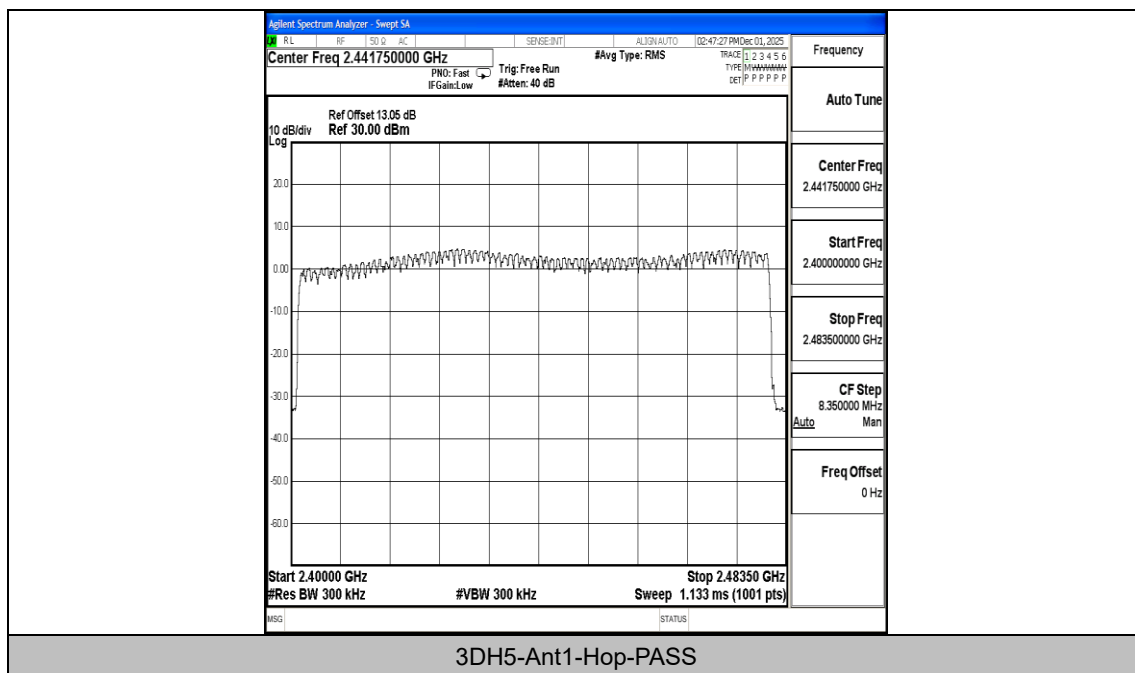
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Frequency [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



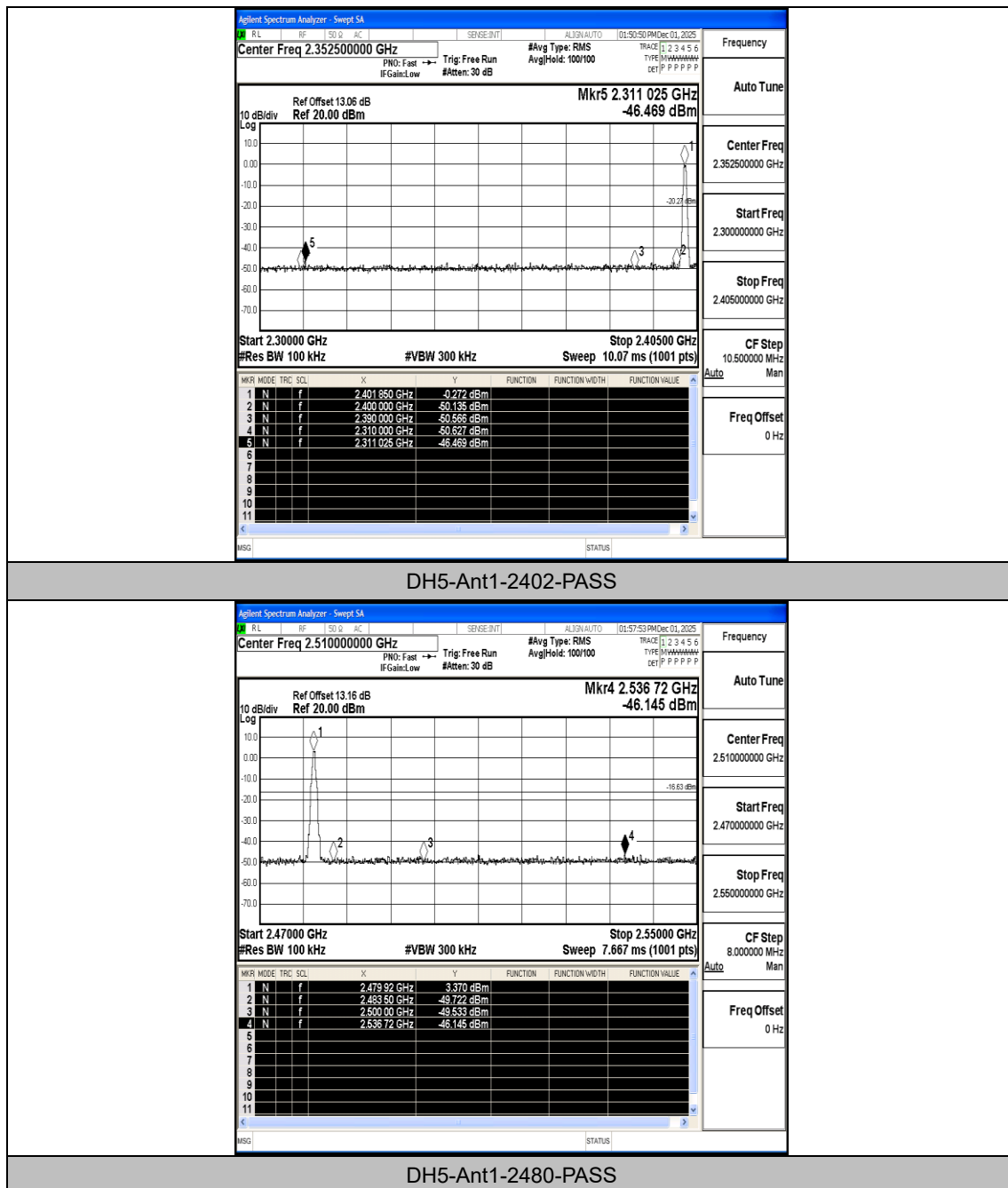


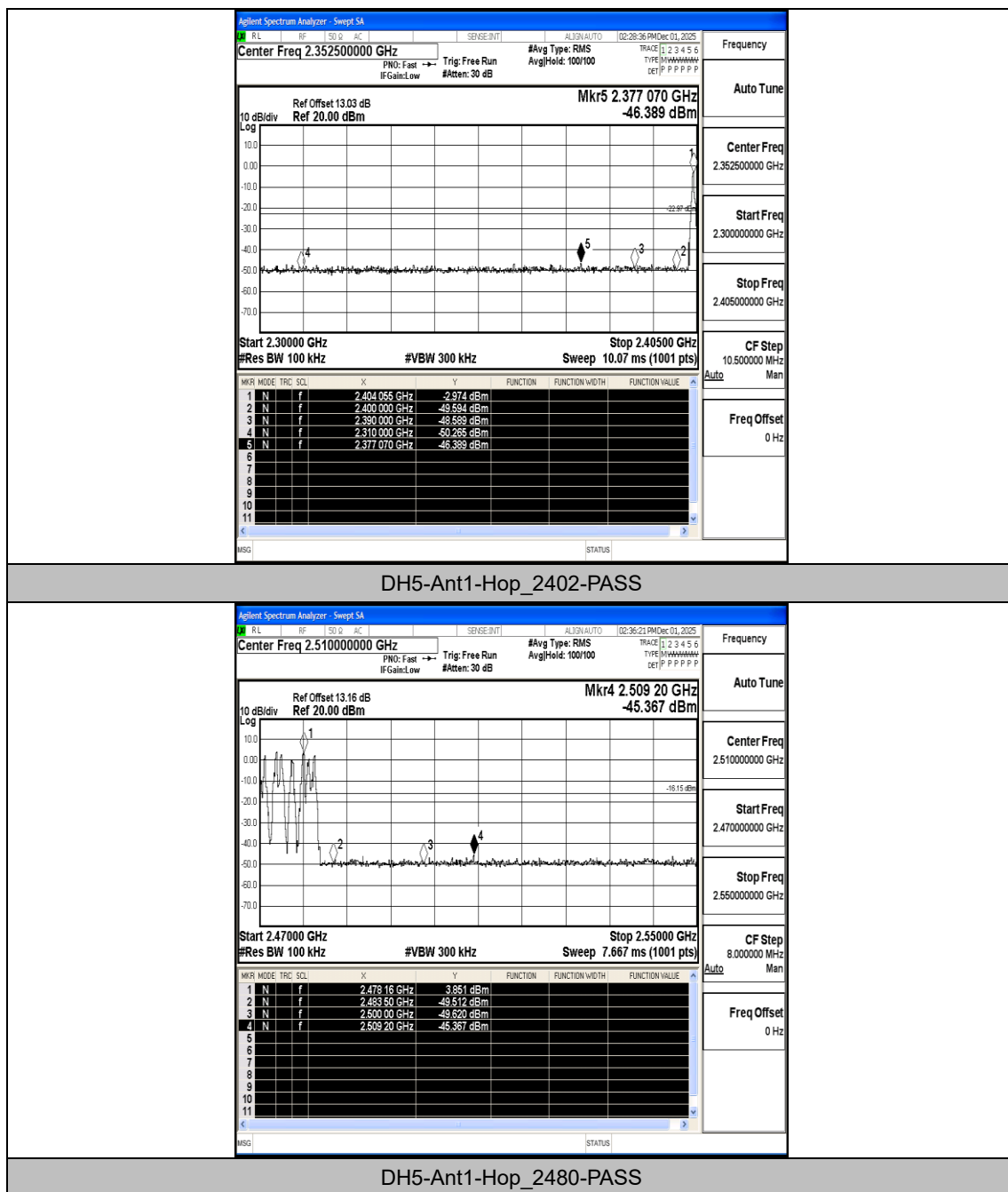
A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.27	-46.47	≤ -20.27	PASS
DH5	Ant1	High	2480	3.37	-46.15	≤ -16.63	PASS
DH5	Ant1	Low	Hop_2402	-2.97	-46.39	≤ -22.97	PASS
DH5	Ant1	High	Hop_2480	3.85	-45.37	≤ -16.15	PASS
2DH5	Ant1	Low	2402	-0.08	-46.77	≤ -20.08	PASS
2DH5	Ant1	High	2480	3.44	-45.92	≤ -16.56	PASS
2DH5	Ant1	Low	Hop_2402	-4.77	-47.08	≤ -24.77	PASS
2DH5	Ant1	High	Hop_2480	2.26	-46.03	≤ -17.74	PASS
3DH5	Ant1	Low	2402	-0.42	-46.32	≤ -20.42	PASS
3DH5	Ant1	High	2480	3.45	-45.43	≤ -16.55	PASS
3DH5	Ant1	Low	Hop_2402	-3.16	-46.22	≤ -23.16	PASS
3DH5	Ant1	High	Hop_2480	1.02	-46.81	≤ -18.98	PASS

Test Graphs

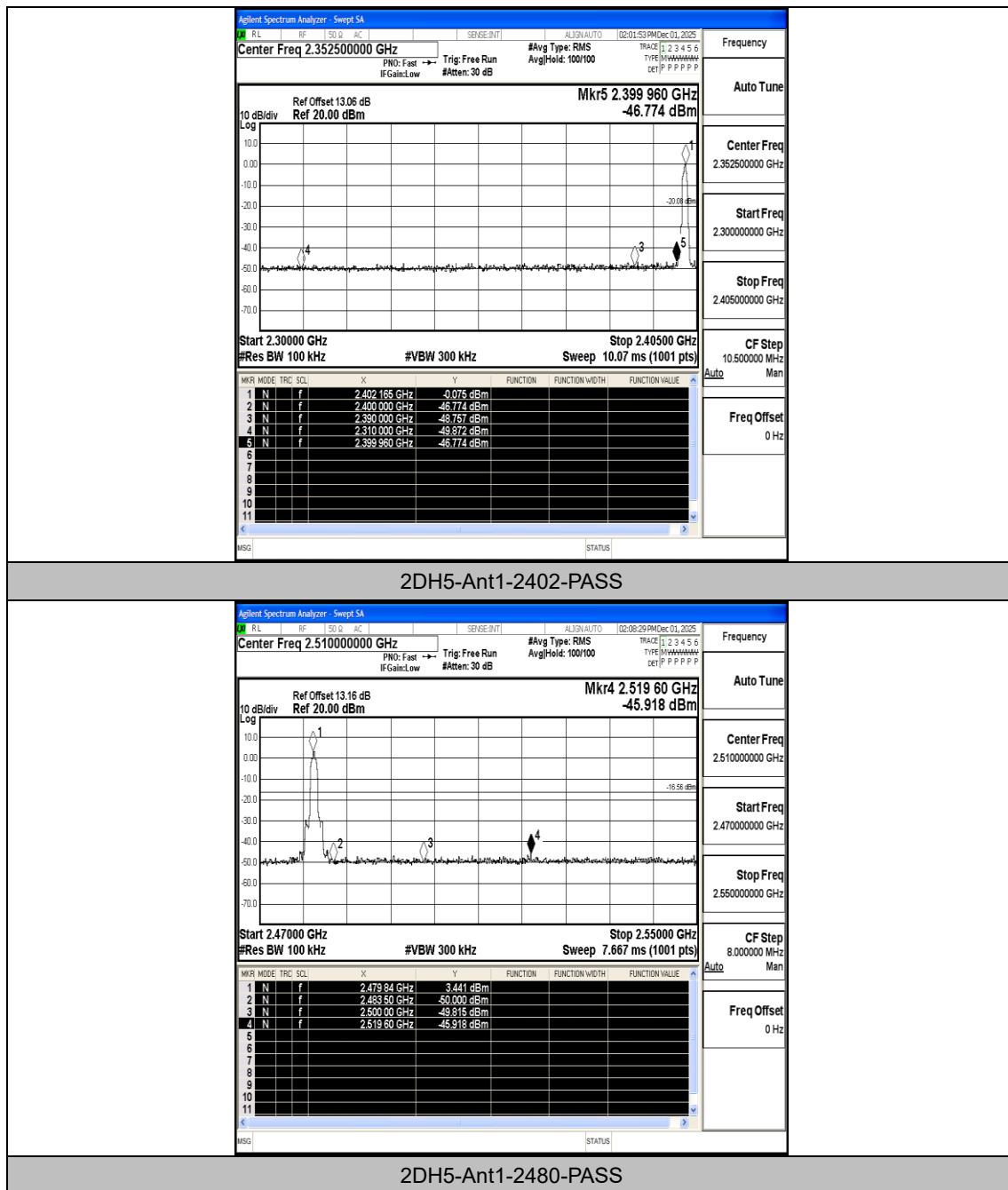


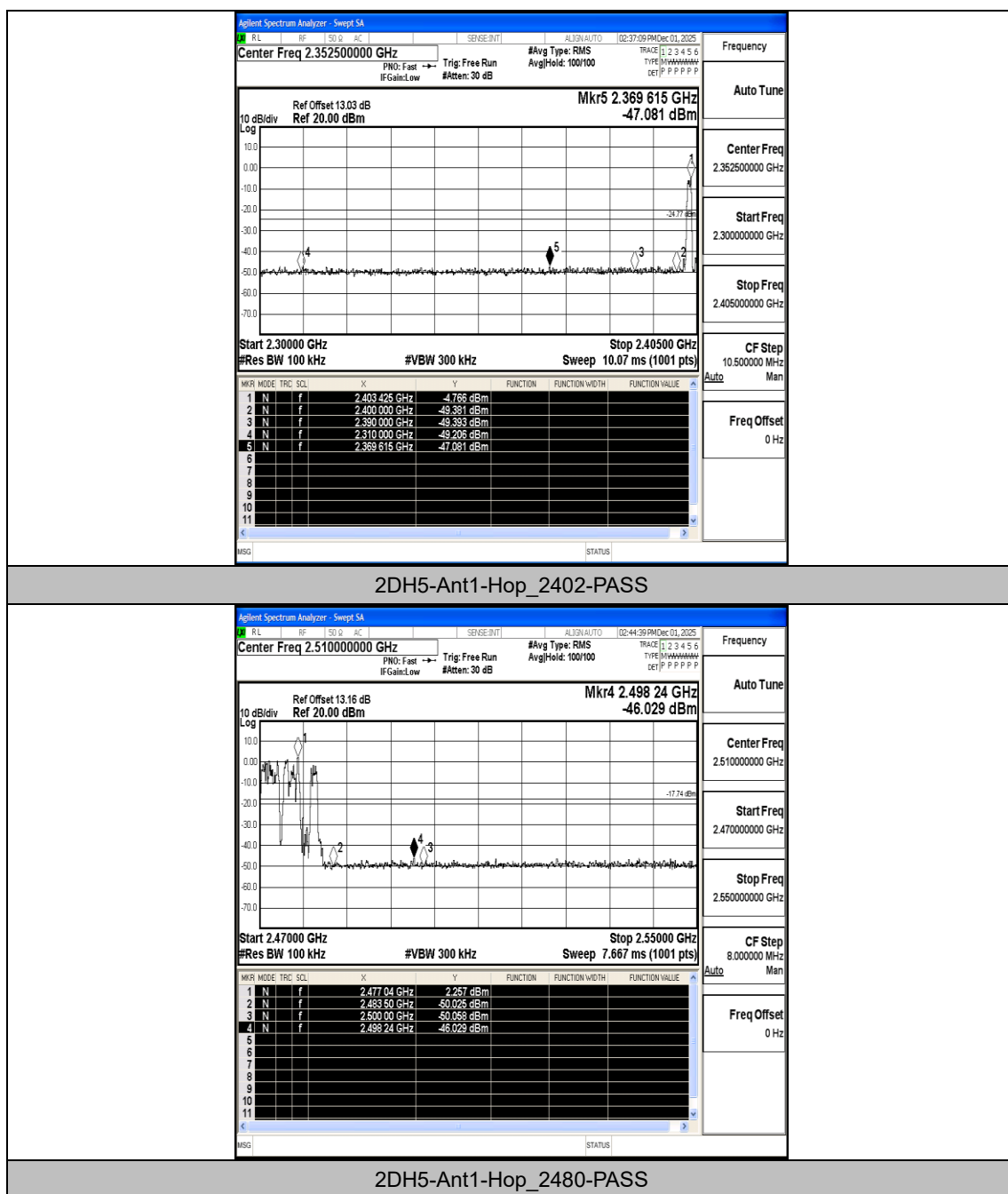


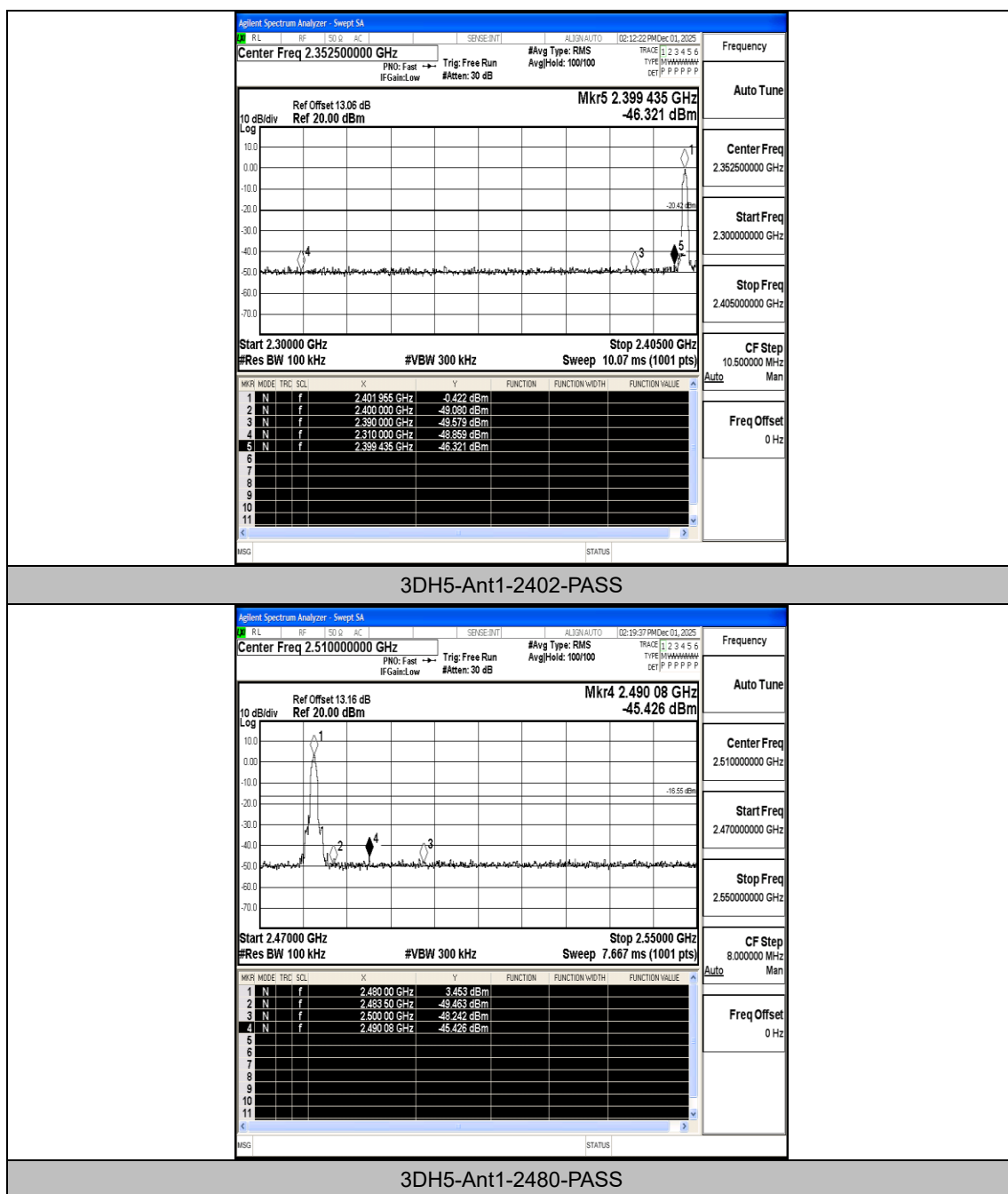
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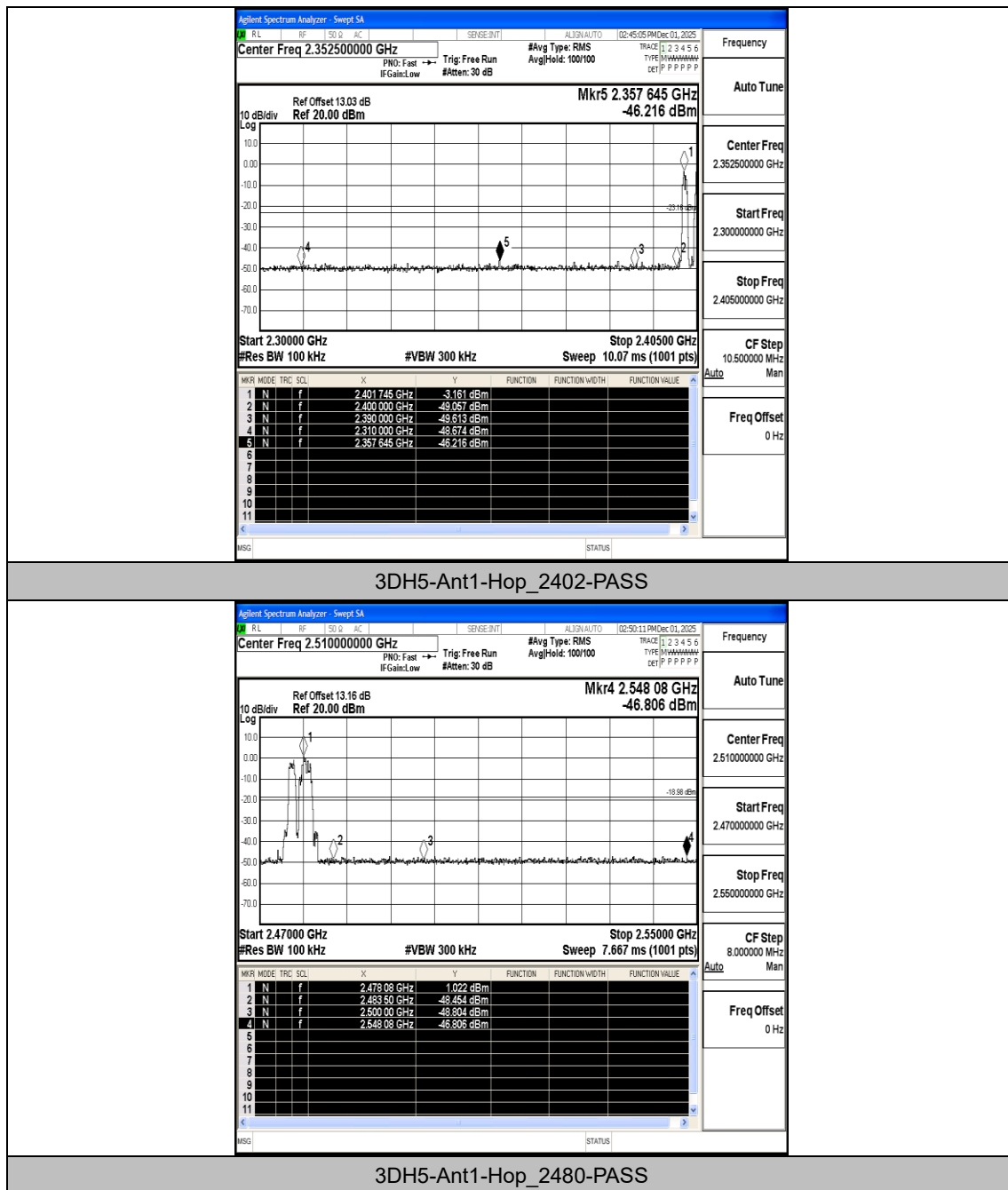




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A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.09	-1.09	---	PASS
DH5	Ant1	2402	30~1000	-1.09	-56.41	≤-21.09	PASS
DH5	Ant1	2402	1000~26500	-1.09	-44.35	≤-21.09	PASS
DH5	Ant1	2441	0~Reference	2.33	2.33	---	PASS
DH5	Ant1	2441	30~1000	2.33	-56.67	≤-17.67	PASS
DH5	Ant1	2441	1000~26500	2.33	-44.35	≤-17.67	PASS
DH5	Ant1	2480	0~Reference	3.69	3.69	---	PASS
DH5	Ant1	2480	30~1000	3.69	-57.02	≤-16.31	PASS
DH5	Ant1	2480	1000~26500	3.69	-44.2	≤-16.31	PASS
2DH5	Ant1	2402	0~Reference	-0.87	-0.87	---	PASS
2DH5	Ant1	2402	30~1000	-0.87	-57.66	≤-20.87	PASS
2DH5	Ant1	2402	1000~26500	-0.87	-44.83	≤-20.87	PASS
2DH5	Ant1	2441	0~Reference	-0.21	-0.21	---	PASS
2DH5	Ant1	2441	30~1000	-0.21	-55.99	≤-20.21	PASS
2DH5	Ant1	2441	1000~26500	-0.21	-44.57	≤-20.21	PASS
2DH5	Ant1	2480	0~Reference	2.76	2.76	---	PASS
2DH5	Ant1	2480	30~1000	2.76	-56.74	≤-17.24	PASS
2DH5	Ant1	2480	1000~26500	2.76	-43.62	≤-17.24	PASS
3DH5	Ant1	2402	0~Reference	-2.20	-2.20	---	PASS
3DH5	Ant1	2402	30~1000	-2.20	-57.18	≤-22.2	PASS
3DH5	Ant1	2402	1000~26500	-2.20	-44.33	≤-22.2	PASS
3DH5	Ant1	2441	0~Reference	0.76	0.76	---	PASS
3DH5	Ant1	2441	30~1000	0.76	-56.85	≤-19.24	PASS
3DH5	Ant1	2441	1000~26500	0.76	-43.79	≤-19.24	PASS
3DH5	Ant1	2480	0~Reference	1.10	1.10	---	PASS
3DH5	Ant1	2480	30~1000	1.10	-56.98	≤-18.9	PASS
3DH5	Ant1	2480	1000~26500	1.10	-43.95	≤-18.9	PASS

Test Graphs

