

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Commercial Audio 120W 70V Mixer Amp with Bluetooth,

Commercial Audio 240W 70V Mixer Amp with Bluetooth

Test Model: 45705

Environmental Conditions

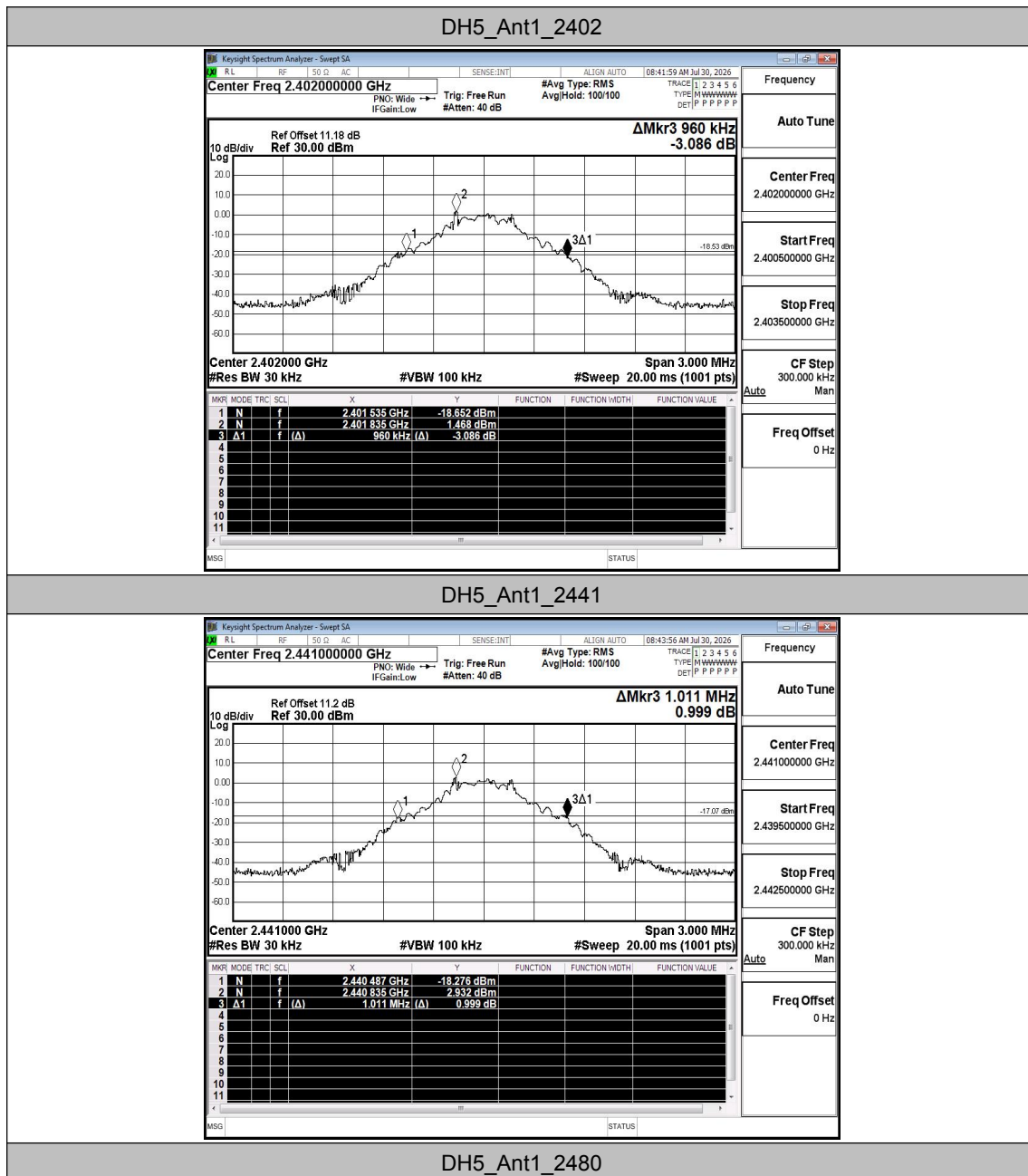
Temperature:	24.2°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

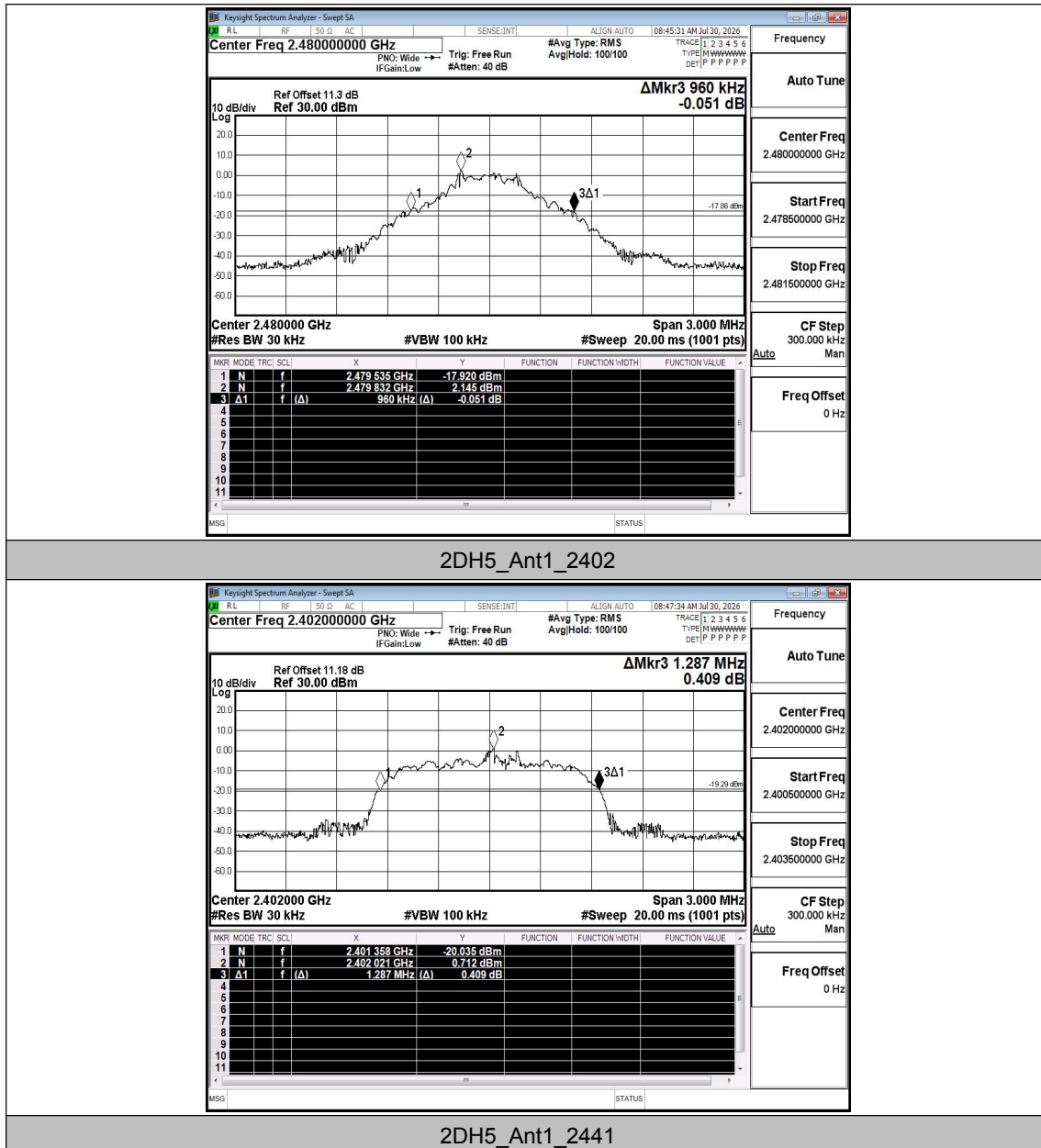
A.1 20dB Emission Bandwidth

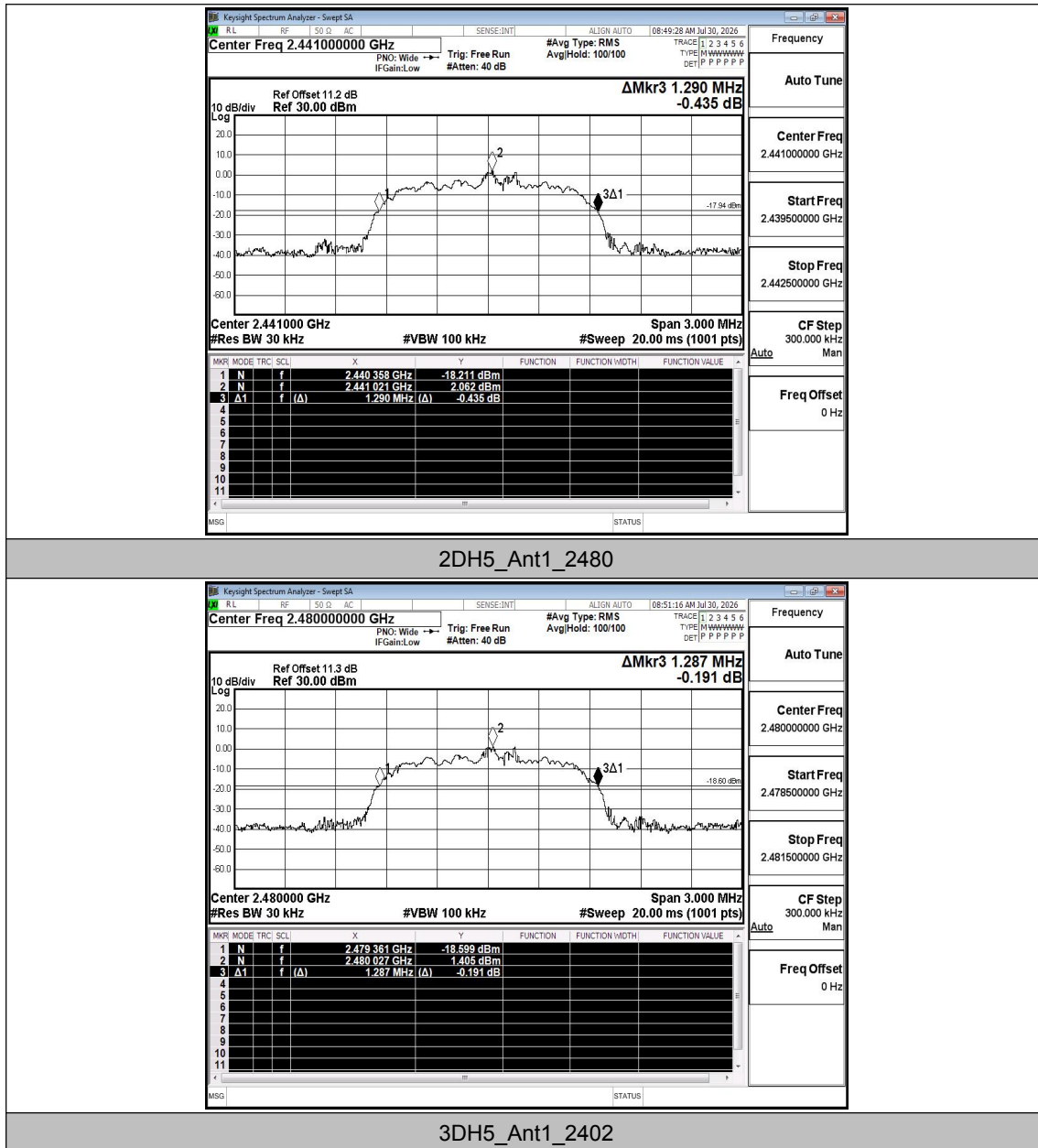
Test Result

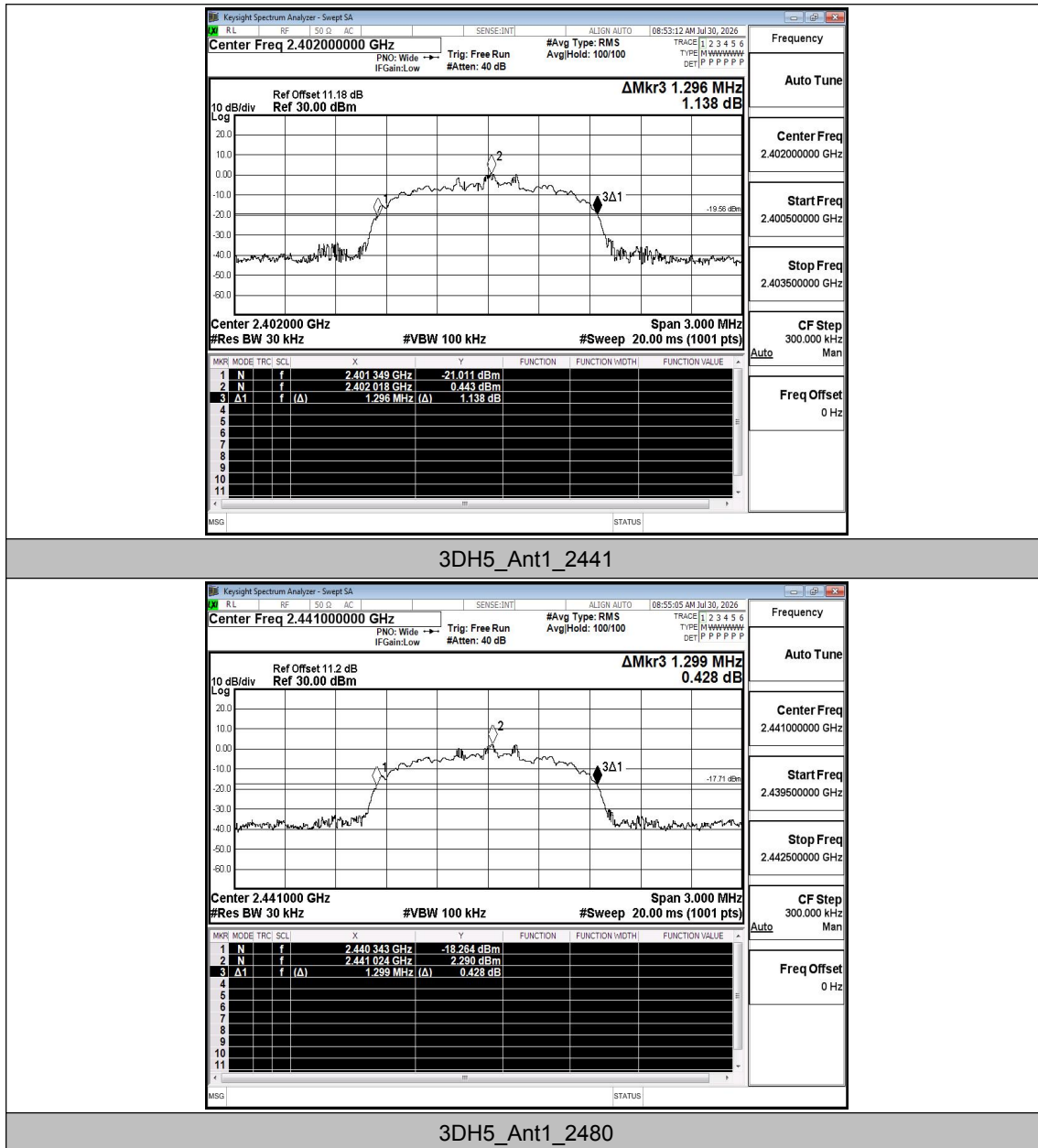
TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.535	2402.495	---	---
		2441	1.011	2440.487	2441.498	---	---
		2480	0.960	2479.535	2480.495	---	---
2DH5	Ant1	2402	1.287	2401.358	2402.645	---	---
		2441	1.290	2440.358	2441.648	---	---
		2480	1.287	2479.361	2480.648	---	---
3DH5	Ant1	2402	1.296	2401.349	2402.645	---	---
		2441	1.299	2440.343	2441.642	---	---
		2480	1.299	2479.343	2480.642	---	---

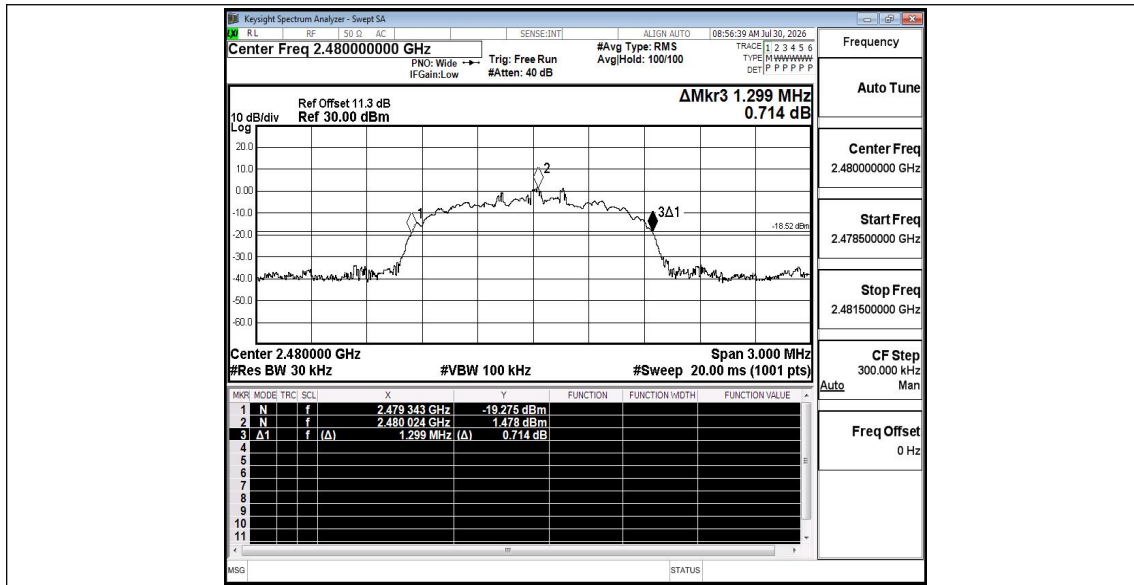
Test Graphs









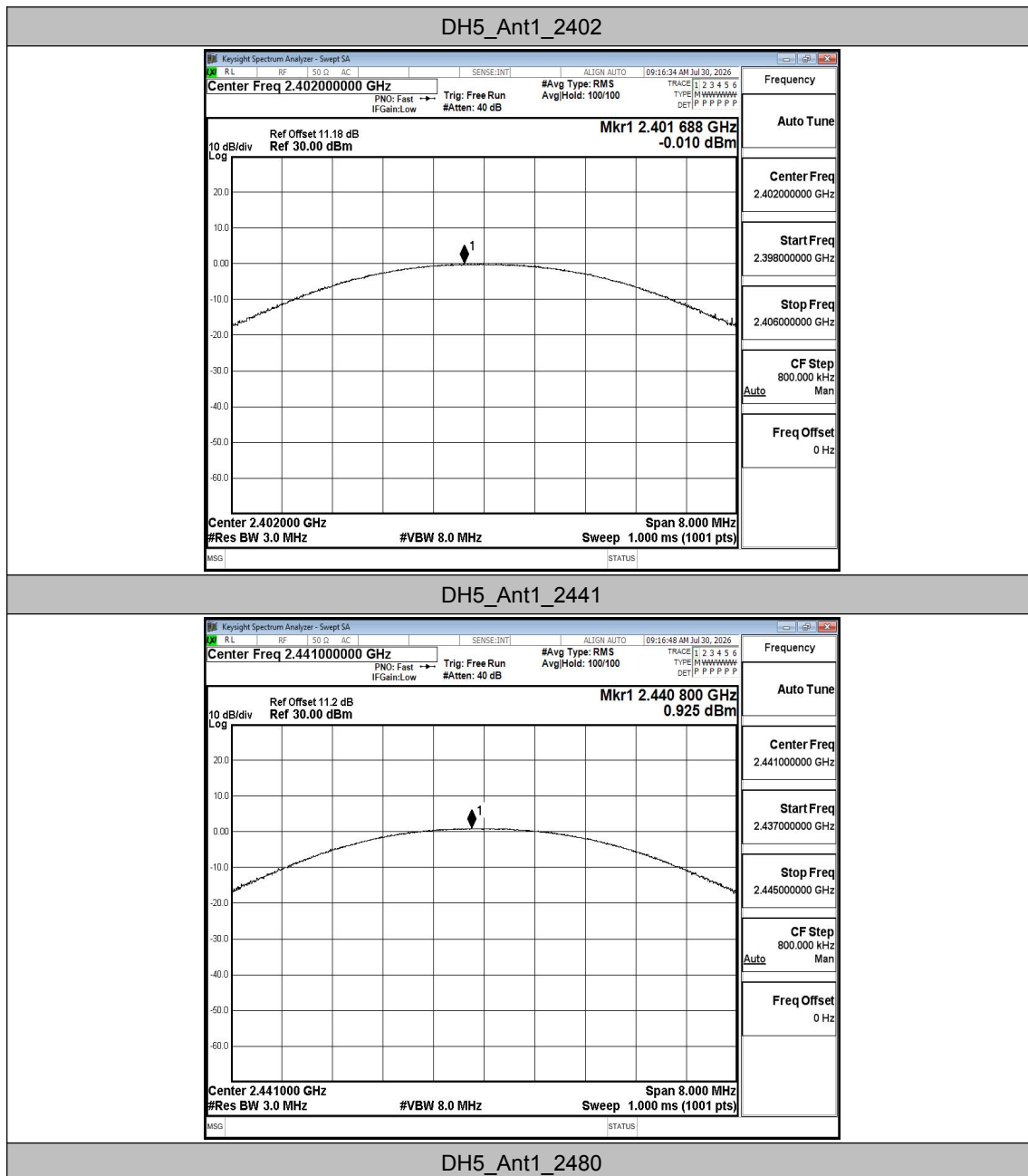


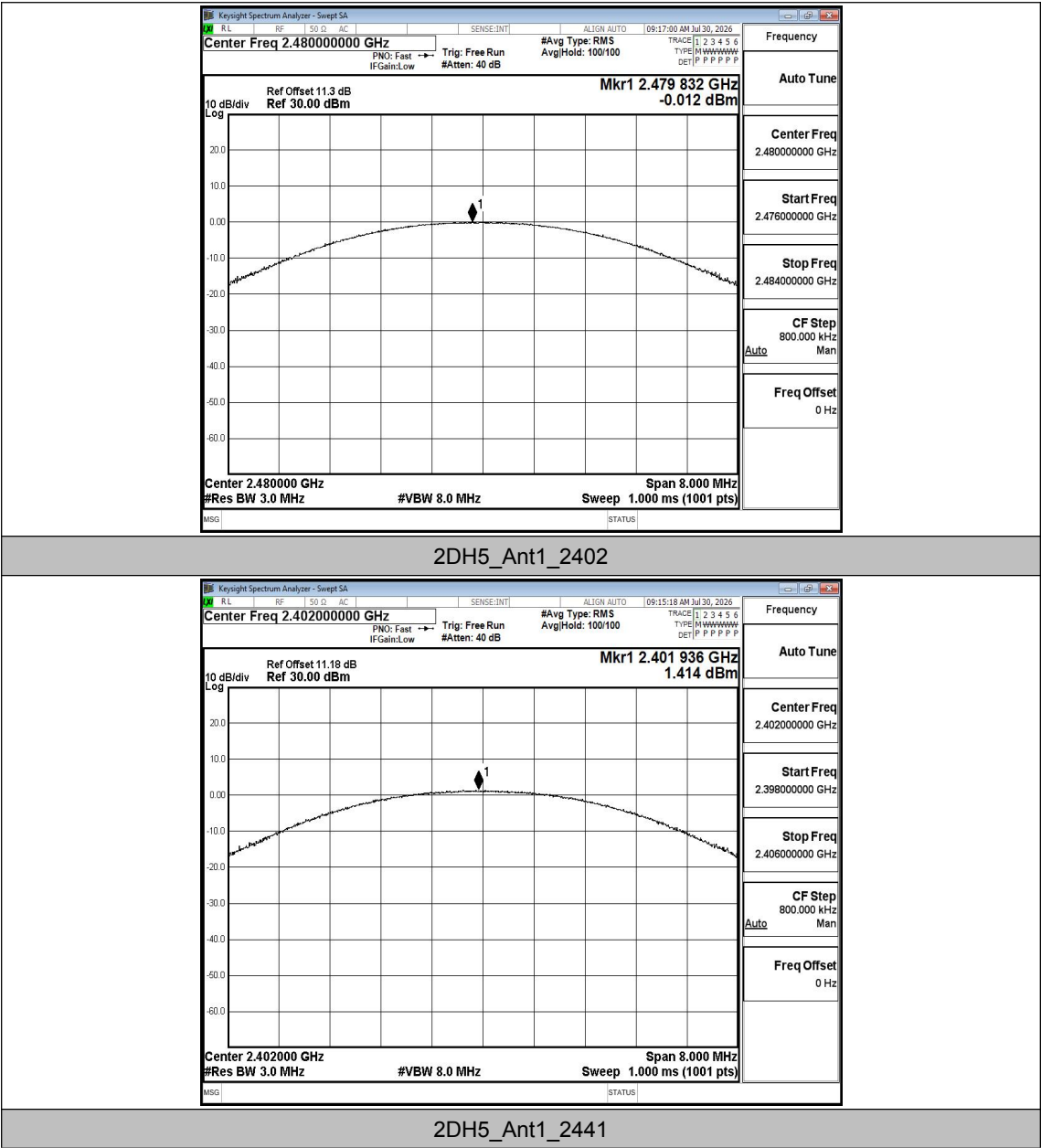
A.2 Maximum Peak conducted output power

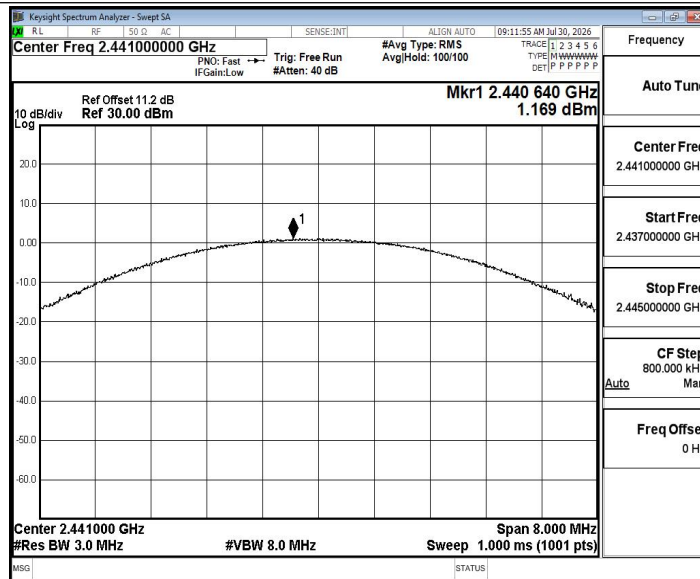
Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.01	≤30	PASS
		2441	0.93	≤30	PASS
		2480	-0.01	≤30	PASS
2DH5	Ant1	2402	1.41	≤30	PASS
		2441	1.17	≤30	PASS
		2480	-0.27	≤30	PASS
3DH5	Ant1	2402	1.53	≤30	PASS
		2441	1.52	≤30	PASS
		2480	0.03	≤30	PASS

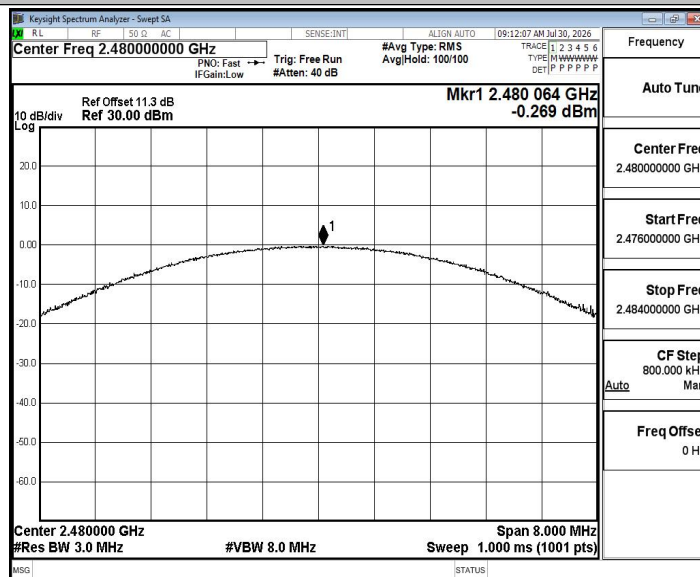
Test Graphs



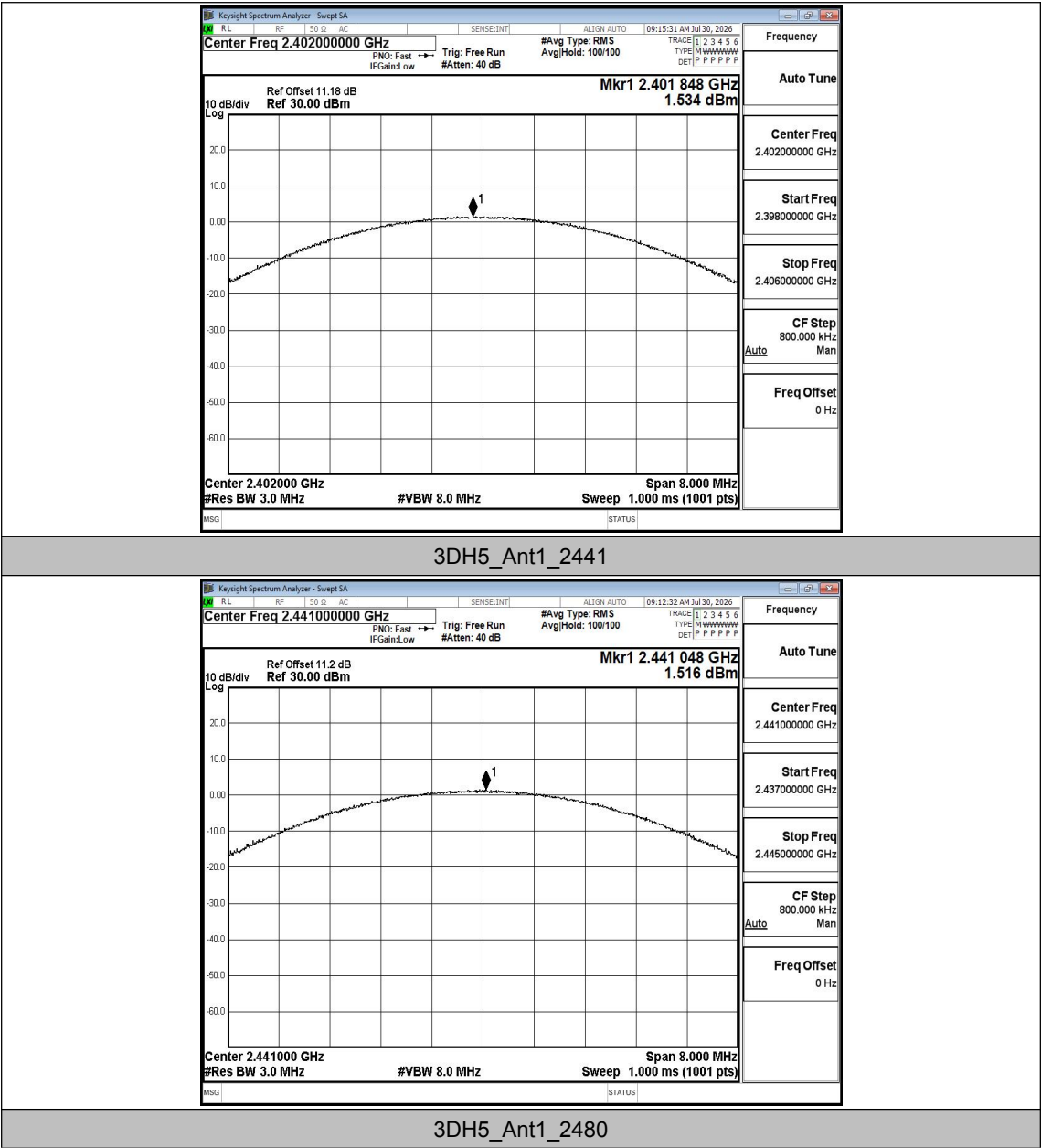


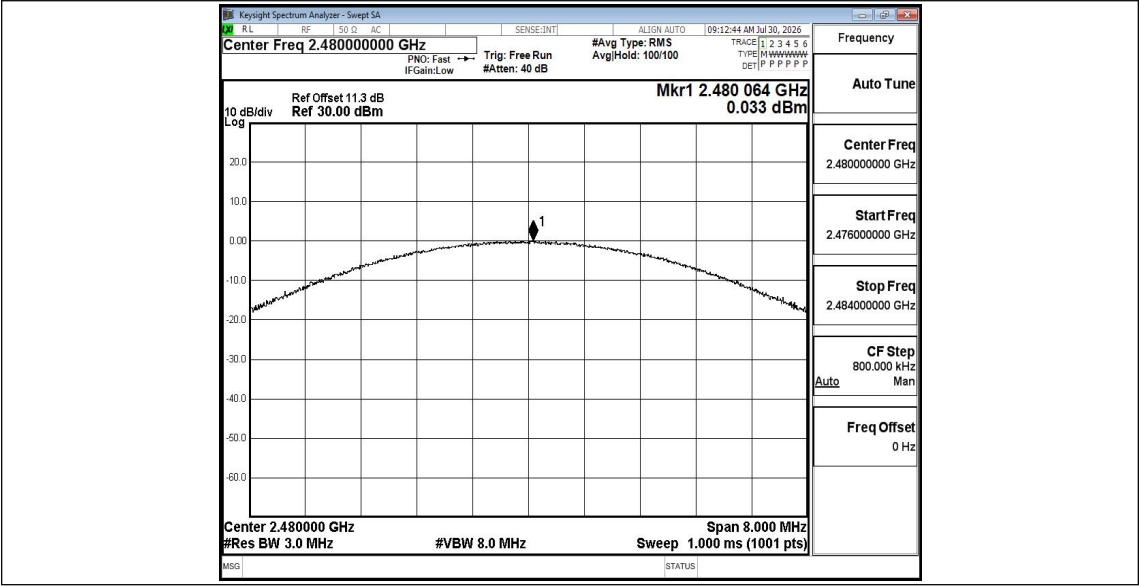


2DH5_Ant1_2480



3DH5_Ant1_2402



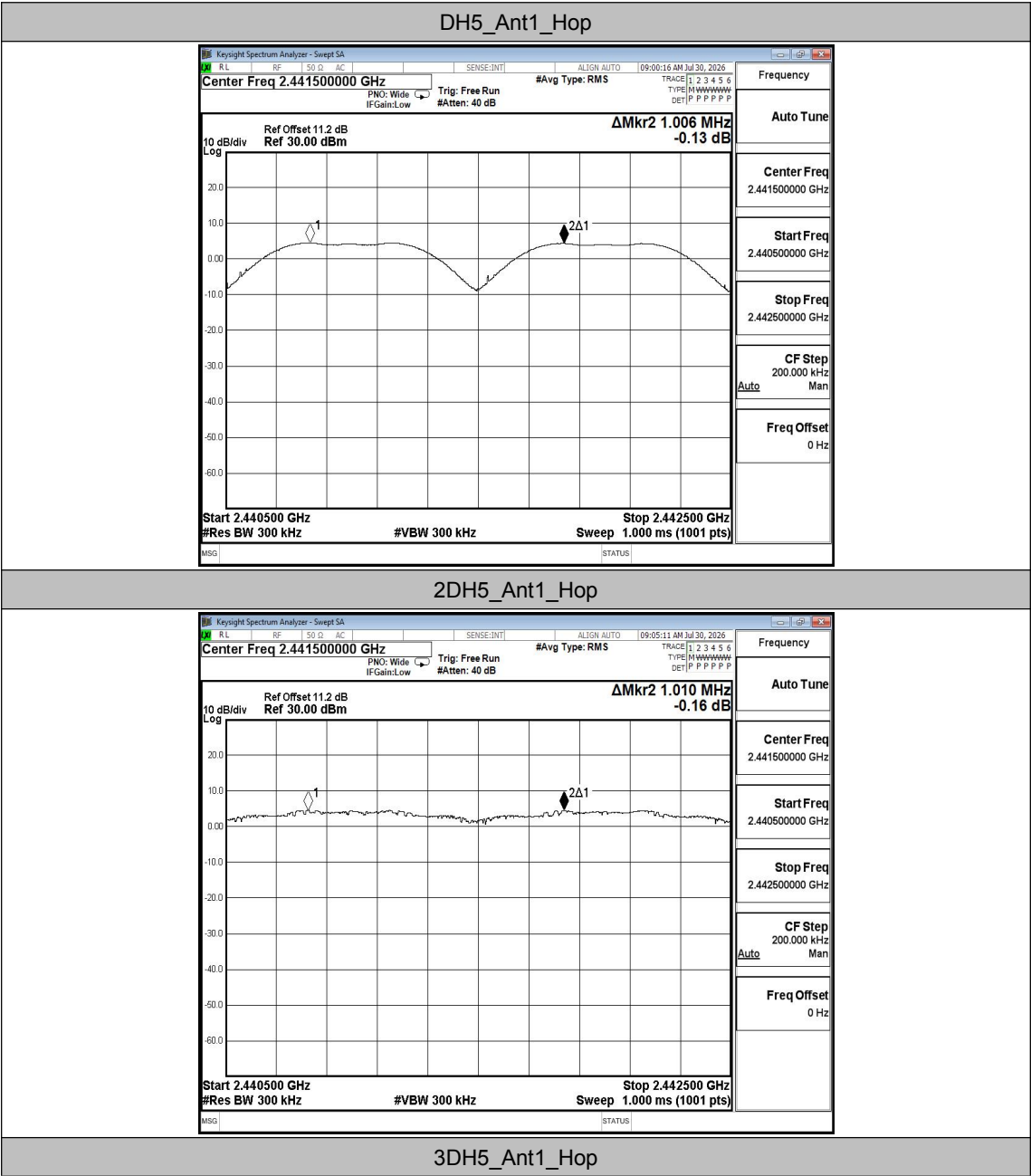


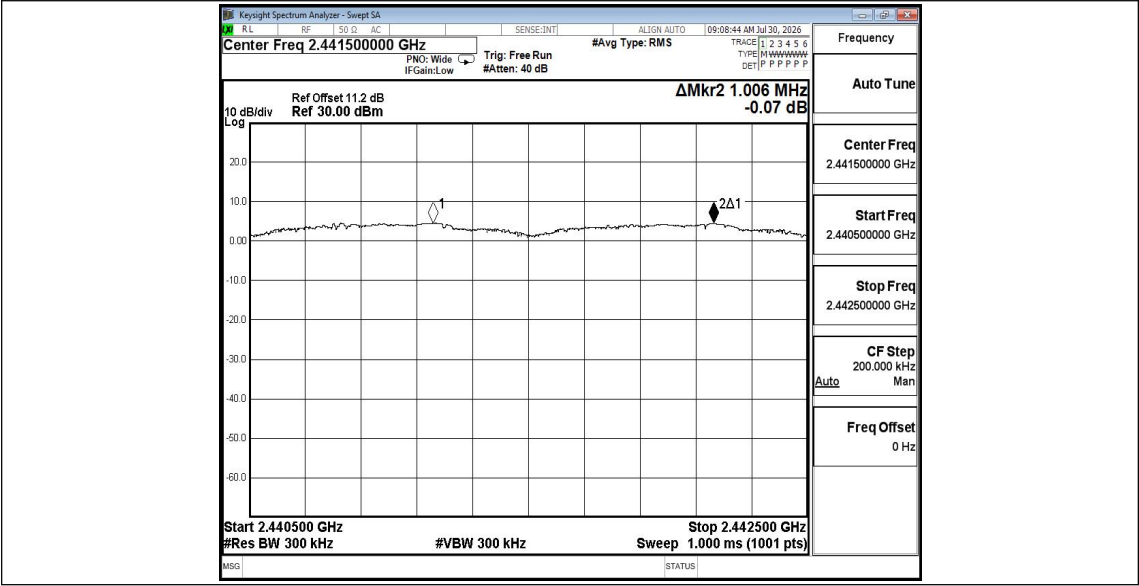
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.586	PASS
2DH5	Ant1	Hop	1.01	≥ 0.800	PASS
3DH5	Ant1	Hop	1.006	≥ 0.811	PASS

Test Graphs



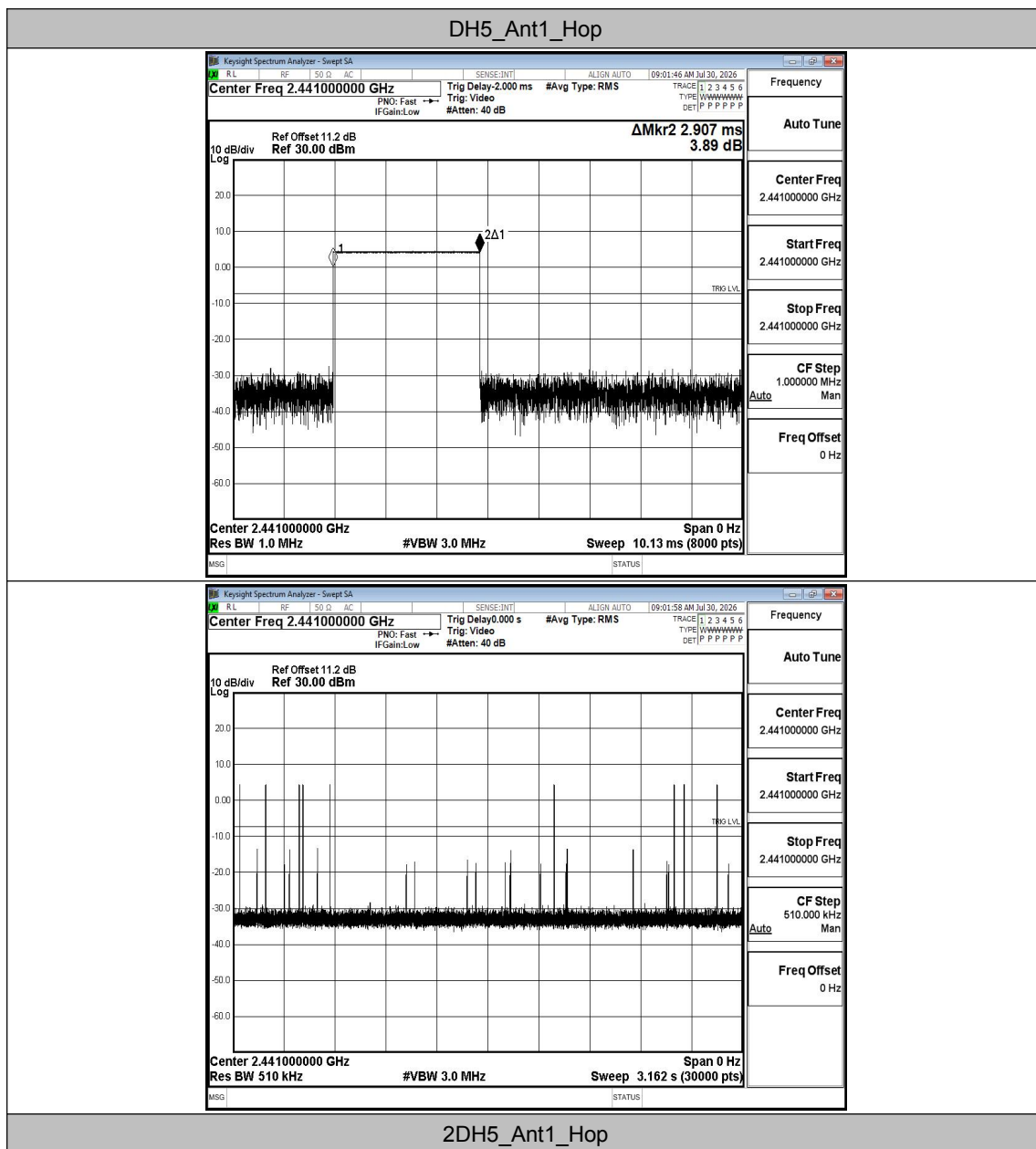


A.4 Time of occupancy

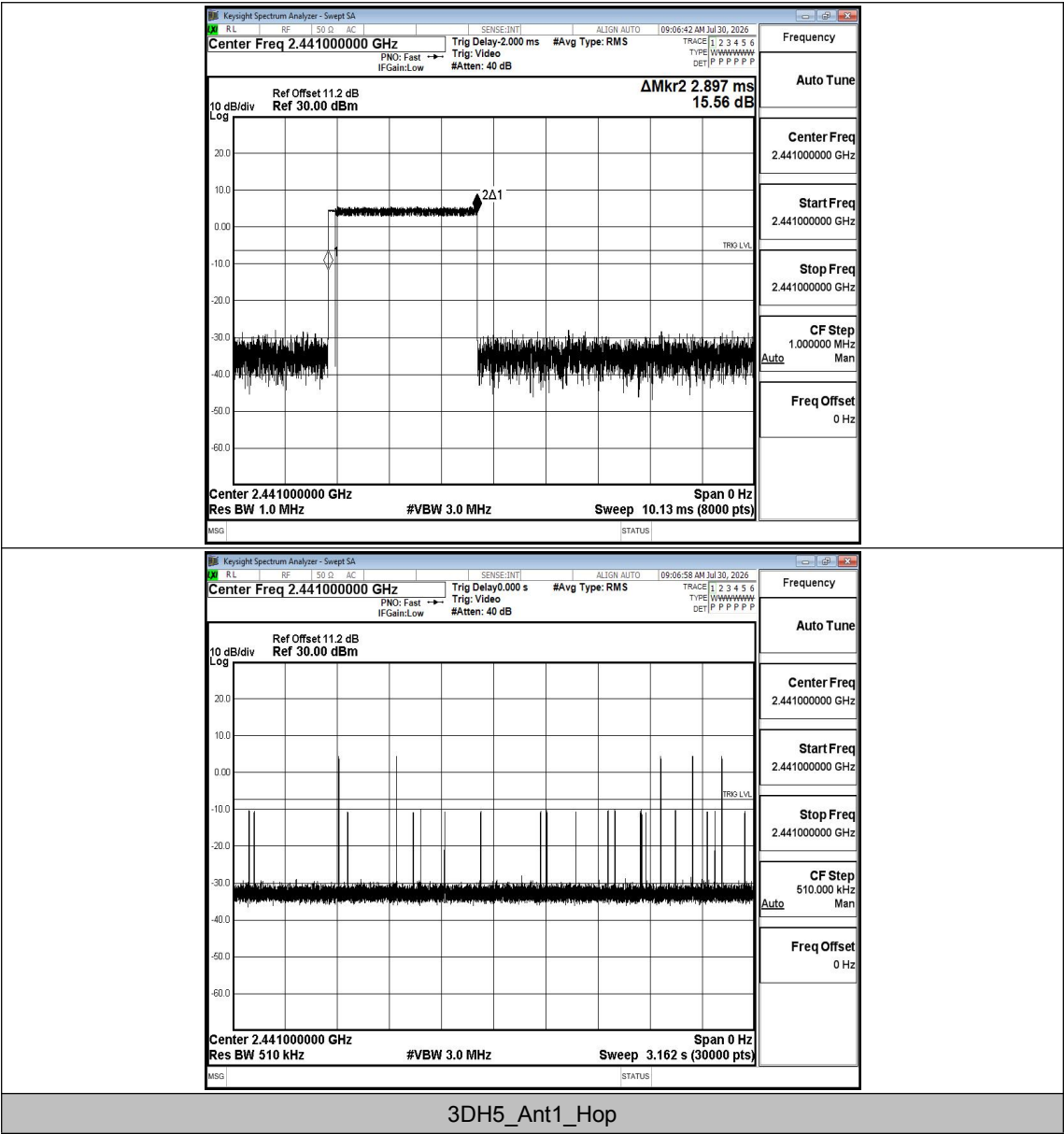
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.907	110	0.32	≤0.4	PASS
2DH5	Ant1	Hop	2.897	70	0.203	≤0.4	PASS
3DH5	Ant1	Hop	2.896	100	0.29	≤0.4	PASS

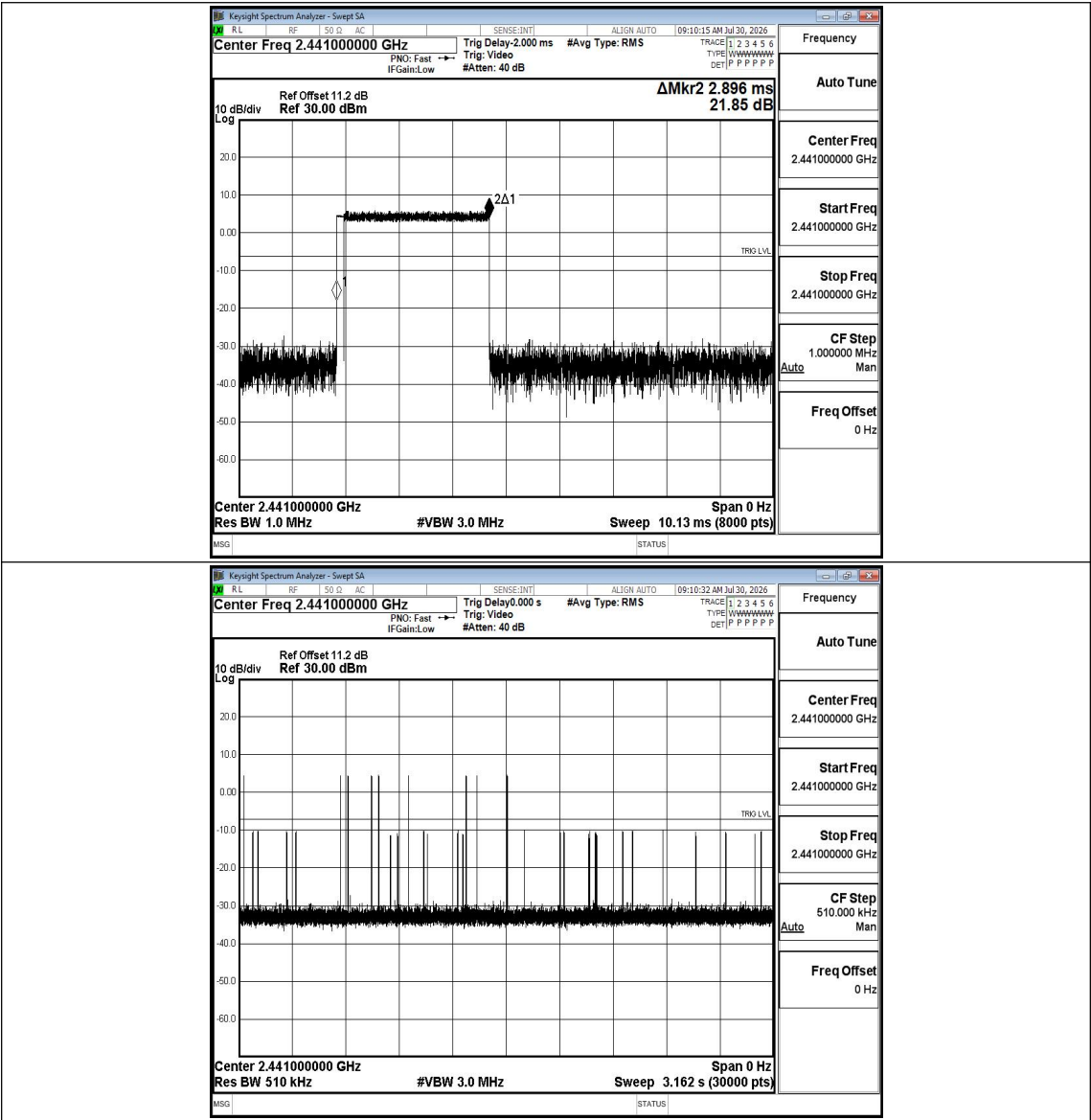
Test Graphs



2DH5_Ant1_Hop



3DH5_Ant1_Hop

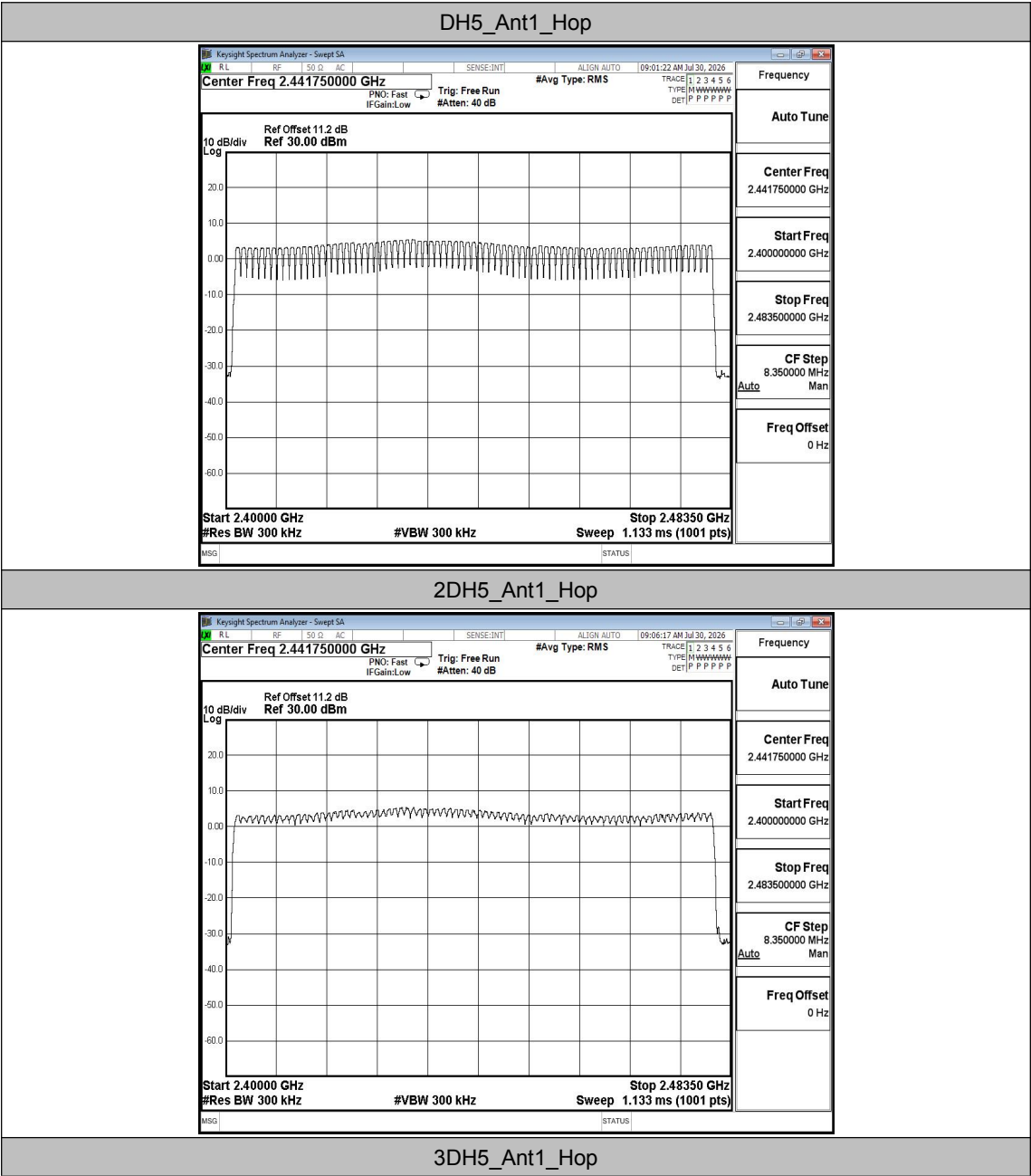


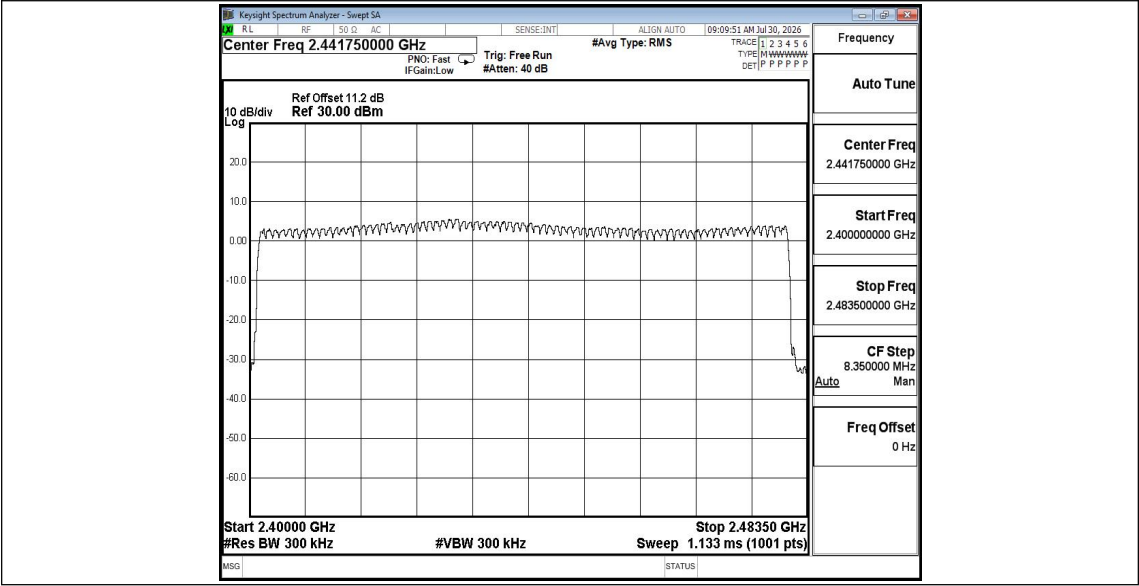
A.5 Number of hopping channels

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	2.74	-46.51	≤ -17.26	PASS
		High	2480	3.34	-46.44	≤ -16.66	PASS
		Low	Hop_2402	2.38	-46.07	≤ -17.62	PASS
		High	Hop_2480	2.85	-45.67	≤ -17.15	PASS
2DH5	Ant1	Low	2402	2.39	-46.34	≤ -17.61	PASS
		High	2480	3.43	-46.07	≤ -16.57	PASS
		Low	Hop_2402	0.00	-46.95	≤ -20	PASS
		High	Hop_2480	2.81	-45.45	≤ -17.19	PASS
3DH5	Ant1	Low	2402	2.91	-45.77	≤ -17.09	PASS
		High	2480	3.62	-45.63	≤ -16.38	PASS
		Low	Hop_2402	0.69	-46.87	≤ -19.31	PASS
		High	Hop_2480	0.31	-46.05	≤ -19.69	PASS

Test Graphs

