

**1296 600W W6PQL AMP TESTS**

5/14/2018

IF DRIVE*	RF DRIVE	HP-432A	DBM	RF PWR	IPA	Vc	DC PWR	BIRD-WATTS	RF DET	BIRD ELEMENT
0.00	0.0	0.0	0.0	0.0	2.0	49.8	99.6	NA	NA	NA
0.63	2.0	-6.0	49.5	89.1	7.0	49.8	348.6			250E
0.80	4.0	0.0	55.5	354.8	22.0	49.2	1082.4	250		250E
0.90		1.2	56.7	467.7	24.0	49.1	1178.4	>250		250E
0.95	6.0	1.5	57.0	501.2	26.0	49.1	1276.6	>250		250E
1.04	7.0	2.0	57.5	562.3	27.0	49.0	1323.0	>250		250E

PWR SUPPLY = 51.3V unloaded

Efficiency            42.5 %

HP-432A attached to forward port of MECA directional coupler (-55.5 dB coupling)

\*K3 TVTR LEVEL

IF Radio Elecraft K3 output 0.1 to 1.5mw

1296 DEMI Transverter    10w max

Transverter - amplifier coax: 12-foot LRG-8/X

Amplifier - Bird43 meter coax: 2-foot LMR-400