

NAME OF TEST:

**Transmitter Rated Power Output**

RULE PART NUMBER: 2.1046 (a), 90.541

UNIT UNDER TEST Prototype unit

TEST RESULTS: 12.5 to 50W, Meets minimum standard, see data below

TEST CONDITIONS: Standard Test Conditions, 25 C

TEST EQUIPMENT: Digital Voltmeter, Fluke 77 series II multimeter  
 DC Power Supply , Tait Model T808-10 12.8Vdc/25Adc  
 Attenuators Bird models 150-A-FFN-03 and 150-A-MFN-30  
 True RMS clamp multimeter, EXTECH instrument model 380947  
 IFR COM-120B  
 Spectrum Analyzer, Model HP E4401

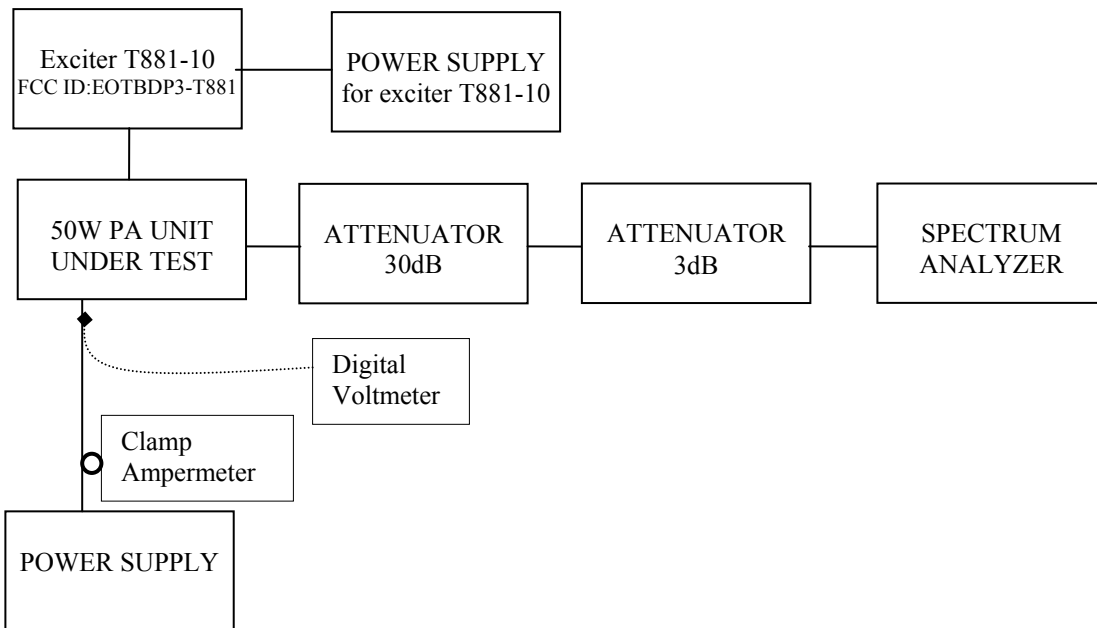
*Constantin Pintilei*

PERFORMED BY:

Constantin Pintilei

DATE: 12/14/04

TEST SET-UP:



TEST RESULTS (on the test frequency 770.025MHz (ch 120)):

<b>input conditions/output</b>	<b>DC Voltage at</b>	<b>DC Current into</b>	<b>DC Power into</b>	<b>Gain</b>	<b>RF Power</b>
<b>(Input enable, RF input)</b>	<b><u>Final (VDC)</u></b>	<b><u>Final (ADC)</u></b>	<b><u>Final (W)</u></b>	<b>(dB)</b>	<b><u>Output (W)</u></b>
en OFF, RF in any	12.3	0.73	8.979	NA	0
en ON, RF in 0	12.07	18.35	221.49	NA	0
en ON, RF in 1.0W	12.09	17.89	216.29	10.097	12.5
en ON, RF in 4.8W	12.11	15.09	182.74	10.018	50

Single Carrier PA. Unmodulated RF output vs input

