

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

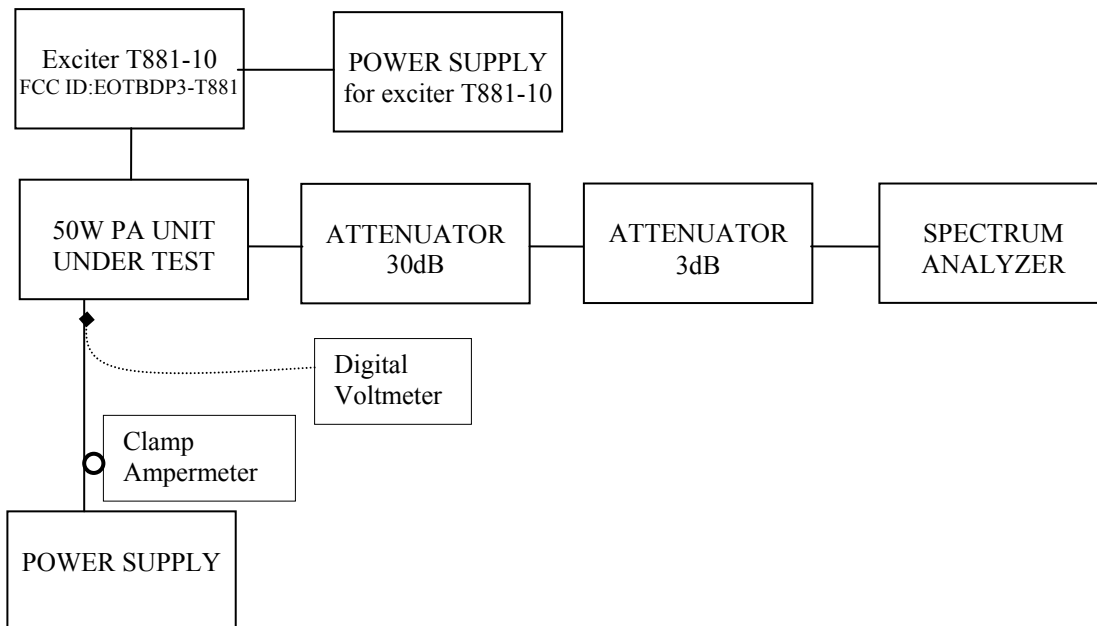
Constantin Pintilei

PERFORMED BY:

Constantin Pintilei

DATE: 12/14/04

TEST SET-UP:



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

input conditions/output	DC Voltage at	DC Current into	DC Power into	Gain	RF Power
(Input enable, RF input)	Final (VDC)	Final (ADC)	Final (W)	(dB)	Output (W)
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

