

NAME OF TEST: Transmitter Rated Power Output

RULE PART NUMBER: 2.1033 (c)(6)(7) and 2.1046 (a)

TEST RESULTS: See results below

TEST CONDITIONS: Standard Test Conditions, 25 C

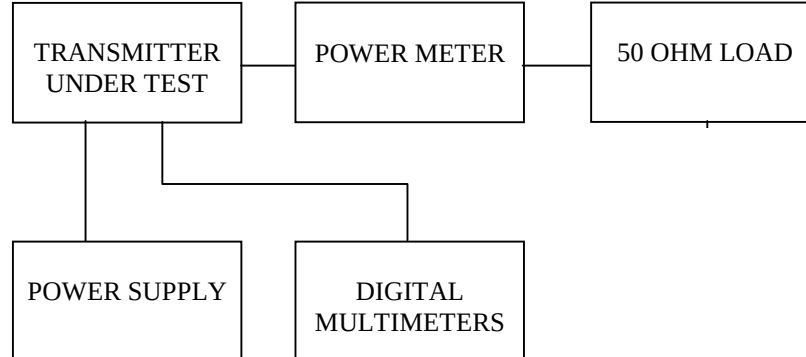
UUT: MCUA5R, s/n XXXX- prototype serial, comprised of two boards:
MCU 3315 (Dataradio 210-03315-0xx) s/n L5- prototype modem board
DL 3422 (JDT 242-3422-430)-s/n 10791 transceiver boardTEST EQUIPMENT: 50 Ohms RF load , Coaxial Dynamics model 4050- 50Watt
Digital Voltmeter, Fluke Model 87III
Digital Ammeter, Fluke Model 87III
DC Power Source, ASTRON Model VS 20 M
Power Meter, Coaxial Dynamics model 81050

PERFORMED BY:

Constantin Pintilei

DATE: 07/22/99

TEST SET-UP:



TEST RESULTS:

Frequency (MHz)	DC Voltage at Final (VDC)	DC Current into Final (ADC)	DC Power into Final (W)	RF Power Output (W)
150.000	13.3	1.55	20.61	5.0
	13.3	0.86	11.44	1.0

NAME OF TEST: Low-pass filter frequency response data

RULE PART NUMBER: 90.210 b, as requested

TEST RESULTS: See results below

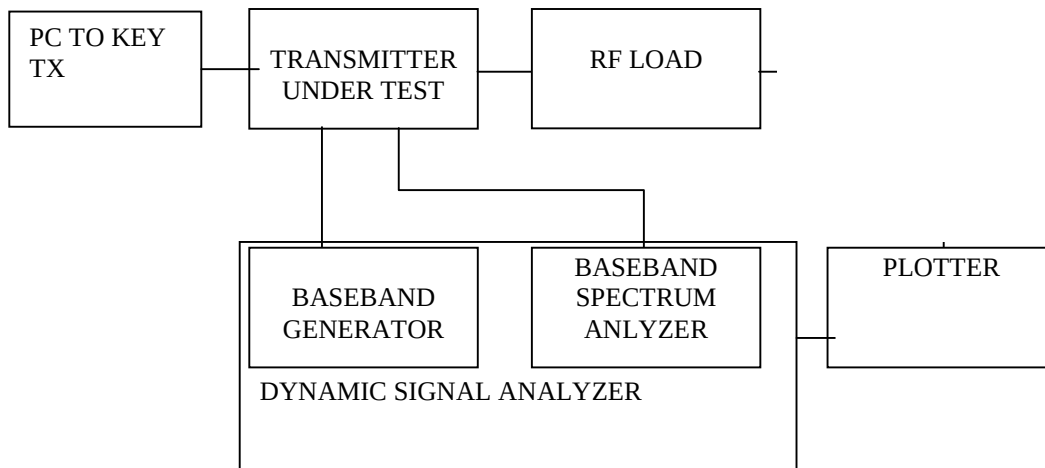
TEST CONDITIONS: Standard Test Conditions, 25 C

TEST PROCEDURE: TIA/EIA - 603, 2.2.15

UUT: MCUA5R, s/n XXXX- prototype serial, comprised of two boards:
MCU 3315 (Dataradio 210-03315-0xx) s/n L3- prototype modem board
DL 3422 (JDT 242-3422-430)-s/n 10791 transceiver board
LOW-PASS FILTER: Linear Technology LTC 1069-7

TEST EQUIPMENT: Dynamic Signal Analyzer HP model 35660A
50 Ohms RF load , Coaxial Dynamics model 4050 - 50Watt
Plotter HP Color Pro model 7440A

PERFORMED BY:  DATE: 07/22/99
Constantin Pintilei

TEST SET-UP:

Modem bitrate 19200 bps,
Filter clock frequency -196.606 kHz

TEST RESULTS:

1000 Hz reference level: -0.69 dB @ 1024 Hz
-3dB cutoff frequency : -3.696 dB @ 7.872 kHz
-44 dB @ 15.57 kHz

