

NAME OF TEST:

Frequency Stability with Variation in Supply Voltage

RULE PART NUMBER: 2.1033 c (14), 2.1041, 2.1055(d), 90.213 (a), 90.539, 27.54

MINIMUM STANDARD: Shall not exceed $\pm 0.00010\%$ from test frequency, 1.50 ppm for $\pm 15\%$ change in supply voltage

TEST RESULTS: Meets minimum standard, see data on following page

TEST CONDITIONS: Standard Test Conditions, 25 C

TEST EQUIPMENT: Digital Voltmeter, Fluke 77 series II multimeter
DC Power Supply , Astron Model VS-20M
Communication Analyzer IFR COM-120B – frequency meter function

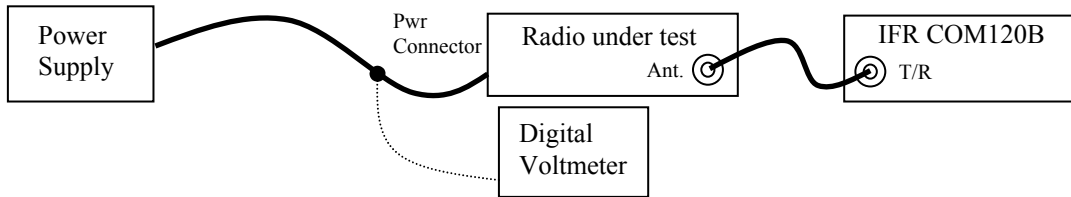
Constantin Pintilei

PERFORMED BY:

Constantin Pintilei

DATE: 05/17/04

TEST SET-UP:



MEASUREMENTS TAKEN:

1.0 ppm Reference Oscillator

Specification: 1.0 ppm
Greatest variation: 0.382 ppm
Frequency used: 770.025 MHz, channel 120

Power supply (Vdc)	Measured freq. (Mhz)	Freq. Delta (Hz.)	Spec. limit (% of assigned freq.)	PPM from assigned frequency
11.73	800.025306	+306	0.000125	0.382488047
13.8	900.025300	+300	0.000125	0.374988282
15.87	900.025302	+302	0.000125	0.377488203