

NAME OF TEST:

Frequency Stability with Variation in Supply Voltage

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

MINIMUM STANDARD: 90.539(e) Shall not exceed $\pm 0.0001250\%$ from test frequency, or
 1.250 ppm ; 27.54: Shall stay within the authorized bands of operation
 UNIT UNDER TEST Prototype#2

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

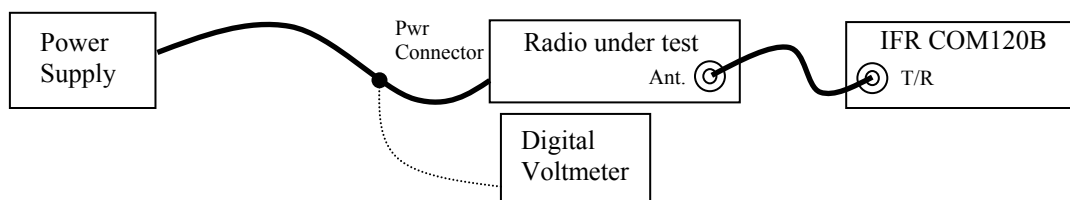
PERFORMED BY:

Constantin Pintilei

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DATE: 12/04/02

TEST SET-UP:



MEASUREMENTS TAKEN:

1.25 ppm Reference Oscillator

Specification: 1.25 ppm

Greatest variation: 0.382 ppm

Frequency used: 800.025 MHz, channel 180

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