

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)

MINIMUM STANDARD: Shall not exceed $\pm 0.000150\%$ from test frequency, 1.50 ppm for $\pm 15\%$ change in supply voltage

UNIT UNDER TEST: Prototype#2

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

TEST CONDITIONS: Standard Test Conditions, 25 C

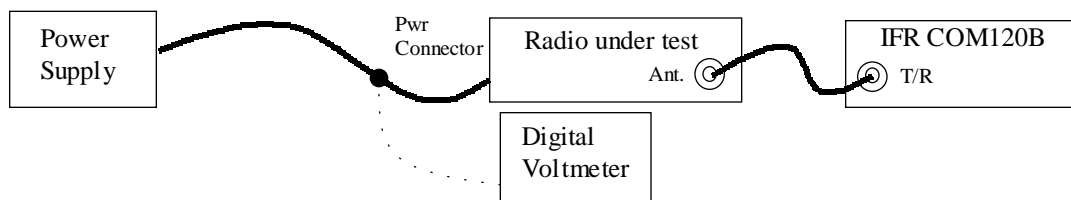
TEST EQUIPMENT: Digital Voltmeter, Fluke 77 series II multimeter
DC Power Supply , Astron Model VS-20M
Communication Analyzer IFR COM-120B – frequency meter function

PERFORMED BY:

Sebastien Lafrance
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DATE: 07/12/02

TEST SET-UP:



MEASUREMENTS TAKEN:

1.5 ppm Reference Oscillator

Specification: 1.5 ppm
Greatest variation: 0.026 ppm
Frequency used: 900.05 Mhz

Power supply (Vdc)	Measured freq. (Mhz)	Freq. Delta (Hz.)	Spec. limit (% of assigned freq.)	PPM from assigned frequency
10.9	900.049977	-23	0.00015	0.026
13.6	900.049998	-2	0.00015	0.002
16.3	900.050020	+22	0.00015	0.022