

NAME OF TEST:

Frequency Stability with Variation in Ambient Temperature

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

MINIMUM STANDARD: Shall not exceed $\pm 0.000150\%$ from test frequency, or 1.50 ppm

UNIT UNDER TEST Prototype 3

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

TEST CONDITIONS: Standard Test Conditions, 25 C

TEST EQUIPMENT:

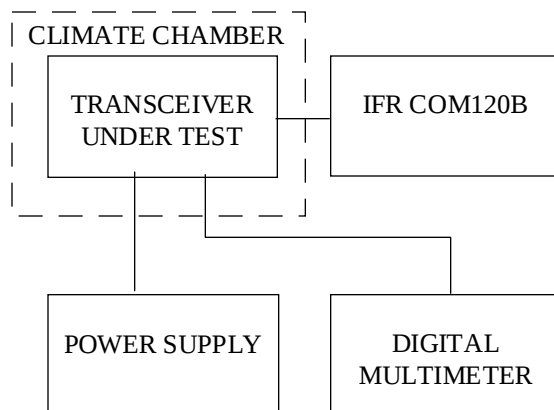
DC Power Supply , Astron Model VS-20M
IFR COM-120B
Climate Chamber, TempGard III, Tenney Jr.

PERFORMED BY:


Sébastien Lafrance

DATE:07/19/02

TEST SET-UP:



(Test data on next page)

NAME OF TEST: Frequency Stability with Variation in Ambient Temperature
(Continued)

PPM : 1.5 PPM

Greatest Variation: 0.687 PPM

Frequency used : 900.05 MHz

Temperature (deg. C)	Frequency (MHz)	Frequency delta (Hz)	PPM from assigned frequency
-30	900.050618	618	0.687
-20	900.050271	271	0.301
-10	900.050029	29	0.03
0	900.050130	130	0.144
10	900.049818	-182	-0.202
20	900.049973	-27	-0.03
30	900.049998	-2	-0.002
40	900.050206	206	0.229
50	900.050312	312	0.347
60	900.050281	281	0.312