

NAME OF TEST:

Frequency Stability with Variation in Ambient Temperature

RULE PART NUMBER: 2.1055(a), 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 unit

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.

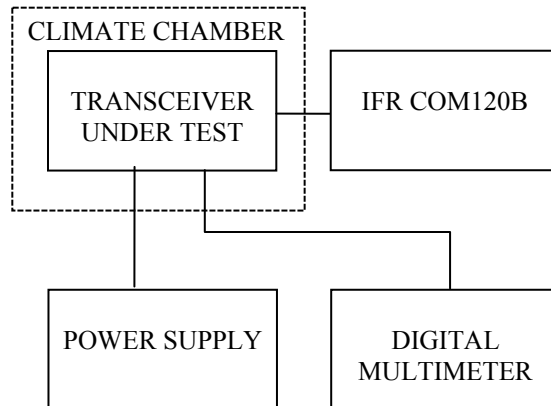


PERFORMED BY:

Constantin Pintilei

DATE: 12/05/02

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: 0.813 PPM

Frequency used : 800.025 MHz Channel 180

Temperature (deg. C)	Frequency (MHz)	Frequency delta (Hz)	PPM from assigned frequency
-30	800.024530	-470	-0.587481641
-20	800.025010	10	0.012499609
-10	800.025270	270	0.337489453
0	800.025300	300	0.374988282
10	800.025170	170	0.21249336
20	800.025130	130	0.162494922
30	800.025200	200	0.249992188
40	800.025490	490	0.61248086
50	800.025550	550	0.687478516
60	800.025650	650	0.81247461