

NAME OF TEST:

Frequency Stability with Variation in Ambient Temperature

RULE PART NUMBER: 2.1055(a), 90.539(e), 27.54

MINIMUM STANDARD: Shall not exceed $\pm 0.00010\%$ from test frequency, or 1.0 ppm

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.

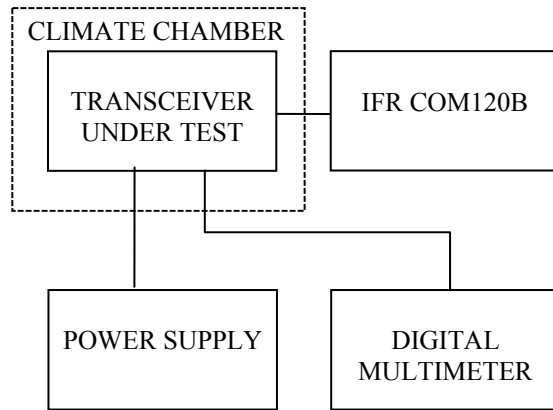
PERFORMED BY:



DATE: 11/05/02

Constantin Pintilei

TEST SET-UP:



(Test data on next page)

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

PPM : 1.0 PPM

Greatest Variation: 0.5818 PPM

Frequency used : 770.025 MHz Channel 120

Temperature (deg. C)	Frequency (MHz)	Frequency delta (Hz)	PPM from assigned frequency
-30	770.025448	448	0.5818
-20	770.025264	264	0.3428
-10	770.024985	-15	-0.0195
0	770.024916	-84	-0.1091
10	770.025005	5	0.0065
20	770.025062	62	0.0805
30	770.025073	73	0.0948
40	770.025097	97	0.1260
50	770.024923	-77	-0.0999

Frequency used : 763.025 MHz center of the band 762-764MHz

Temperature (deg. C)	Frequency (MHz)	Frequency delta (Hz)	PPM from assigned frequency
-30	763.025443	443	0.5806
-20	763.025263	263	0.3447
-10	763.024968	-32	-0.0419
0	763.024997	-9	-0.0118
10	763.025039	39	0.0511
20	763.025043	43	0.0564
30	763.025038	38	0.0498
40	763.025003	3	0.0039
50	763.024813	-187	-0.2451