

Exhibit 14 Frequency Stability

The test results reported in the following 2 tables are abstracted from the conducted design verification test (DVT) results on 8 sample DVT RAU RF Boards as will be reported in the in-progress Fixed Phone RF Board Design Verification Test Plan, 80-98415-1 X3.

Table 1 presents the mean values of measured frequency variation in parts per million (ppm) at cold (-30° C), ambient, and hot (60° C) temperatures. Table 2 presents the minimum, maximum, and mean values over all temperatures for the 7 boards tested.

DC voltage for the GSP-2800RA internal circuitry is provided by voltage regulators and switching power supplies. Variation in the input power supply to the GSP-2800RA internal power supplies was determined not to effect the frequency stability of the transmitter.

Test Equipment

Equipment	Serial Number	Cal Date	Cal Due
Leader DC Power Supply	DE14268	September 14, 2000	September 14, 2001
HP 8593EM Spectrum Analyzer	3412A00107	February 1, 2001	February 12, 2002

Table 1. Mean Variation in TX Frequency with Temperature

		Delta				
		-30 C	Ambient	60 C	Spec.	Amb. To Cold
TX ppm		1.18	0.31	0.36	5.00	0.87
						0.04

Table 2. Variation Range for TX Frequency over Temperature Range

	Data for Hot, Cold, Ambient			Test Limit	Std. Dev.	Design Cpk
	Min.	Max.	Mean			
TX ppm	-0.49	2.30	0.65	5.00	0.78	1.9

Statistical Manufacturing Margin

Cpk = (Average - spec. Limit) / 3*Sigma Value