

1.1. FREQUENCY STABILITY

LIMIT

15.225 (e) The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

TEST PROCEDURE

ANSI / TIA / EIA 603 Clause 2.3.1 and 2.3.2

RESULTS

No non-compliance noted.

Reference Frequency: EUT Channel 13.56MHz @ 20°C				
Limit: ± 100 ppm = 135.628 KHz				
Power Supply (VAC)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
115.00	50	13.562775	0.005	± 100
115.00	40	13.562780	0.001	± 100
115.00	30	13.562791	-0.007	± 100
115.00	20	13.562782	0.000	± 100
115.00	10	13.562830	-0.036	± 100
115.00	0	13.562835	-0.039	± 100
115.00	-10	13.562830	-0.036	± 100
115.00	-20	13.562819	-0.028	± 100
97.75	20	13.562782	0.000	± 100
132.25	20	13.562782	0.000	± 100