

Report Number: 06-0008

Issue Date: April 18 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

2.11 Frequency Stability (FCC Section 2.1055 and 24.235)

The frequency tolerance of the carrier signal was measured by while ambient temperature was varied from -30 to 50 degrees centigrade. The frequency tolerance was verified at 10 degree increments. Additionally, the supply voltage was varied at the minimum and the nominal value.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

FCC Minimum Standard

None

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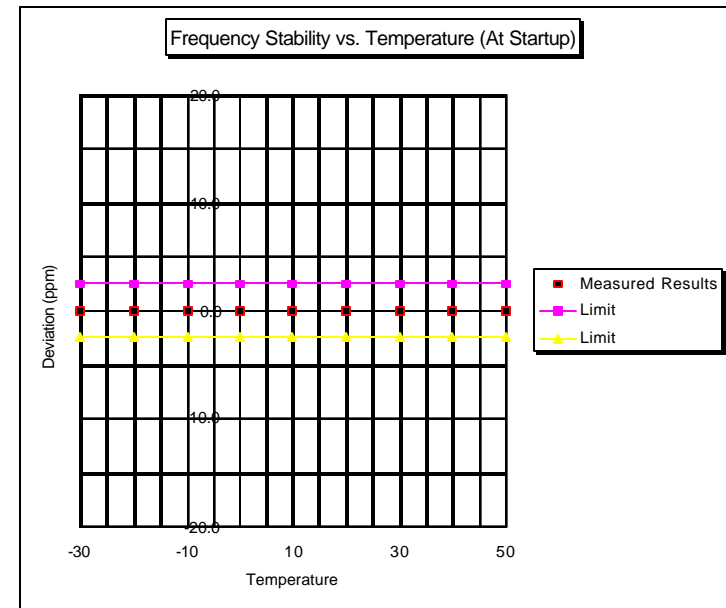
FCC
 Certification
 Sicom Quad 863
 Frequency Stability vs. Temperature (At Startup)

Table 6a.

Test Results Reviewed
 By:



Temperature (degrees C)	Measured Frequency (MHz)	Deviation (ppm)
-30	824.112452	0.0
-20	824.112452	0.0
-10	824.112452	0.0
0	824.112452	0.0
10	824.112452	0.0
20	824.112452	0.0
30	824.112452	0.0
40	824.112452	0.0
50	824.112452	0.0



Actual TX Frequency was: 824.112452

Maximum Deviation = 0.000002.5% or 2.5ppm
 Reference Point from 20 degrees C: 824.112452 MHz

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 Frequency Stability vs. Voltage

Table 6b.

Test Results Reviewed
 By:

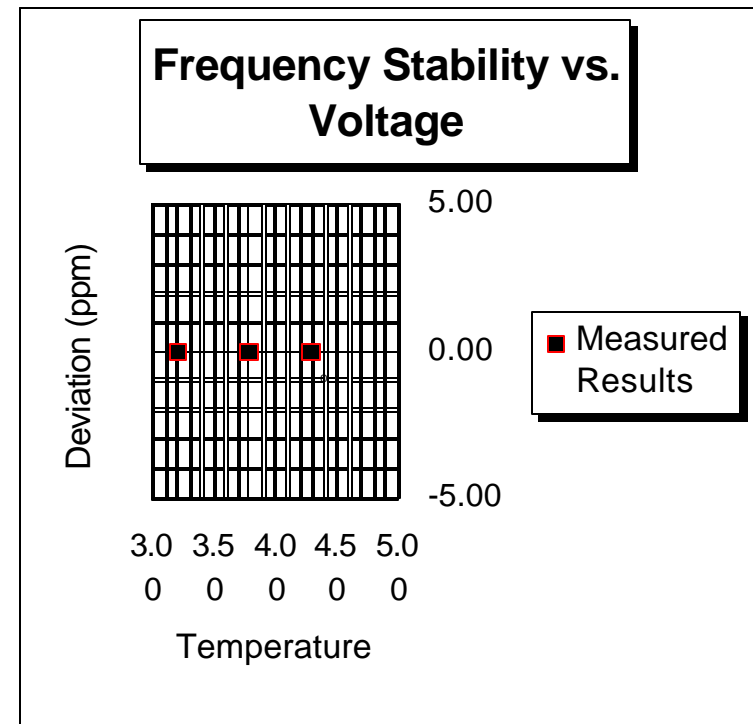


Louis A. Feudi

Voltage (V DC)	Measured Frequency (MHz)	Deviation (ppm)
3.23	824.142452	0.0
3.8	824.142452	0.0
4.3	824.142452	0.0

Actual TX Frequency was: 824.142452 MHz

Maximum Deviation = 0.0001% or 10ppm
 Reference Point From 20 degrees C: 824.142452 MHz



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