

ER1408

NARCO AVIONICS AT165 TRANSPONDER

FCC FREQUENCY STABILITY REPORT

PURPOSE OF THIS REPORT

This report contains the technical information required by the FCC in 47 CFR Part 2.1055.

The AT165 is an Aviation transponder and falls under the frequency stability provisions of Part 87.133(d).

TEMPERATURE VARIATION

TEMPERATURE IN °C	FREQUENCY IN MHZ
+50	1089.4
+30	1090.7
+10	1091.8
-10	1092.5
-20	1092.9

VOLTAGE VARIATION

The AT165 contains a voltage regulator and the frequency of the transmitter is not affected by variations of the primary supply voltage. The normal operating voltages for the AT165 are 13.75V and 27.5V. The AT165 was tested over the range of 10V to 35V.