

April 20th, 2006

Subject: **FCC ID NTAFP102TA: TUNEUP PROCEDURE**

- 1) The following voltages/current are applied during “off” and “on” periods of the ASK modulation:
 - a) when Tx data=0: $V_c=0V$, $V_b=0.3V$, $V_e=0V$, $I_c=0mA$, Q10 is closed;
 - b) when Tx data=1: $V_c=3.3V$, $V_b=1.6V$, $V_e=0.8V$, $I_c=20mA$, Q10 is open.

- 2) Frequency is determined and stabilized by a SAW resonator.

LC filter at the transmitter output provides suppression of spurious out of band signals.

An RC network at the base of Q10 is used as a spectrum shaper.

The modulation is ASK with an on to off ratio of at least 20 dB. The voltages applied to Q10 define the 1dB compression point of the modulator and limit the output power to a maximum level of +10dBm.

The unit does not have calibration means of output power