December 1, 2011

FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Description of Permissive Change

Dear Sir/Madam,

We, TELTRONIC S.A.U. hereby authorize Bay Area Compliance laboratory Corp to act as a laboratory for testing and test report generation for the following project(s):

FCC ID: **WT7PTRUNK25RF410**, Model: RF Unit 409-430 MHz

Pursuant to Sections 0.457 and 0.459 of the Commission's Rules, we hereby request confidential treatment of information accompanying this application as outlined below.

The following modifications have been carried out in the RF Unit 409-430 MHZ;

1. **BACKPLANE**
   Added transient suppressor diode at the power supply input.
2. **RPS**
   Added two capacitors for filtering purposes and a transient suppressor diode (soldered with the electrolytic capacitor).
3. **RTX**
   1) Two new DC-DC converters to improve heating and efficiency of power supply.
   2) Added new +5 V and +3.3V linear voltage regulator.
   3) Added in transmitter chain new models of variable attenuators, to allow a finer adjust of power. The previous model of attenuator (MAATCC0006, from MA-COM) is capable of 2dBs steps to 30dB. The new model of attenuator (MAX 2065, from MAXIM) has two independent attenuators. The digital attenuator with 31dB total adjustment range in 1dB steps and the analogue attenuator with 31dB total adjustment range by 8 bit DAC (0.125dB steps).
   4) Added new ADC and DAC converters.
   5) Modifications in the base band processing, in order to adjust the cartesian loop to complain the P25 phase 2 linearity specifications
4. **BSYNC**
   New DC-DC converter to improve heating and efficiency of power supply.

5. **RCPU**
    1) New DC-DC converter to improve heating and efficiency of power supply.
    2) Added new RAM and FLASH memory.
    3) Changed the two DSP model from TMS320VC5416 to TMS320VC5510A to increase processing capabilities.
6. **RPA**

    Added protections in the Power Amplifier polarization circuit.

Internal photos of the boards have been included in the document "Changes RF Unit 409-430 MHz.pdf" (see the corresponding numbers) and also the schematics are enclosed with the changes marked with red circles.

We affirm that between BACL and TELTRONIC S.A.U. , any difference in understanding, including test plan, measurement methods, applicable standards and relevant procedures and processes have been resolved prior to commencement of testing activities.

This authorization is valid until further written notice from the applicant.

Sincerely Yours,


Jose Roman Gimeno
Certifications & Services Area Manager
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