

SELEX Sistemi Integrati Inc.
11300 West 89th Street
Overland Park, Kansas 66214 USA

October 11, 2006

Scot Rogers
Rogers Labs Inc.

SUBJECT: SELEX SISTEMI INTEGRATI INC. - FCC ID: JPADMEH2

REFERENCE: JOB 2786UC6

Dear MR. ROGERS:

The following clarifications are provided to the FCC Type acceptance questions asked by the TCB.

1. The schematic provided under the Transmitter Schematic folder is for the Final amplifier only. Another set can be found under the Theory of Operation//Drawings. These schematics are for the frequency synthesizer and rf amplifiers. The set of schematics was reduced in number to limit the electronic submission to less than the required 3 Megabytes. I have attached the full set of schematics for your review.
2. The Test Procedure TS030802-0001 Tune.pdf requires that the amplifier module as a removable assembly produce 1260 Watts (or 61-dBm minimum). There are losses following this module due to:
 - Cables within equipment cabinet
 - Coaxial transfer relay
 - Isolator
 - Directional coupler for power measurement

The specifications for this DME transmitter require the power at the output of the cabinet to be 1000 Watts so in order to overcome the loss of approximately 1 dB in the above items the module itself has to produce 1260 watts on the bench at the module output connector. The system level (complete product) test verifies that the output power is 1000 Watts at the cabinet output connector.

3. The current and voltage into the amplifier are expressed in average power not peak power. The average power into the amplifier module was measured to be 48 volts at 3.1 amps. This is an average power of 148.8 Watts. The module was producing 1000-Watts peak power at 2% duty cycle, which is equivalent to 20-Watts average. A peak current measurement was completed and the results are 67.2 Amps peak at 53.5 Volts. This results in 3595.2 watts peak
4. Please find the FAA reply letter attached.
5. Please find attached two pages from the Maintenance and Operation Manual with warning on the subject of radiation exposure. This is the same manual as the Low Power (100 W) so a similar warning was placed for that equipment also. The warning was added to the front of the manual and also in the Installation section.

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