

RESPONSE TO FCC

FCC ID: Z5W-104012

CFM #: EA345195

REF: Correspondence ID 42202

During submittal, I encountered some problems with the FCC web site and this may have caused some of the problems you have found. Please see our reply below:

1. Missing exhibits: Test Report, Schematics, Test Setup Photos, User's Manual, and RF Exposure analysis.  
**The missing exhibits have been uploaded.**
2. The EUT is applying for a limited single-modular transmitter grant. Per KDB 996369, an OEM manual should be provided which outlines the use/host limitations as well as installation and use conditions. The FCC ID labeling guidelines provided in Paragraph III(vii) of that KDB should be followed too.  
**An updated "Notice to Installers" has been uploaded.**
3. The Operational Description should present the EUT itself, not just the overall system, and typically should consist of description of all hardware subsystems, especially frequency determination and operating power circuitry, RF signal characteristics, electrical specification and supported features. The submitted operational description is missing the above information needed to understand the design and RF property of the EUT.  
**We have uploaded a revised operational description.**
4. The Tune-up Procedure should discuss the range of adjustable operating power (by users or by installers) as well as the maximum power taking into account component variation during production. This information allows us to determine whether the design is capable of meeting compliance requirements in a mass produced unit.  
**We have uploaded a revised tune-up procedure and copy of a factory TR412 data sheet.**
5. The frequency range listed on Form 731, 406.1-430 MHz, is incorrect or should have followed extended frequency listing procedure KDB 634817. Tetra downlink transmits on 420-430 MHz; 410-420 MHz is used by portable/mobile devices on the uplink.  
**We have uploaded a frequency justification letter.**
6. A total of 16 emission designators are shown on Form 731, 8 are for 21 kHz necessary bandwidth and 8 for 20 kHz. It is really not necessary to have that many designators. The EUT, TR 412, is a single carrier transmitter hence the designators associated with multi-carrier transmission should not be applicable. Also, when Tetra transmits a voice bit stream, there are in-band data/message bits; typically a combination designator suffices.  
**Please change the emission designators to 20K0D1W and 21K0D1W.**