

## **Request for Class II Permissive Change**

### **Products Covered XX6STP8040 & XX6STP8140**

#### **1. Change in Filter Coefficients.**

The original testing for the STP8040/STP8140 FCC listings was performed on equipments whose RRC filter coefficients were modified from the standard values to limit the occupied bandwidth in order to meet the requirements of the then current requirements. The changing of these coefficients limited the occupied bandwidth to <20KHz and enabled our TETRA products to meet the required emissions mask. This change in coefficients is a simple modification to an alignment table stored in memory within the radio. It is purely a matter of loading new parameters into the alignment table; there were no hardware modifications to the radios. Subsequently a waive was released which enabled TETRA products to meet the requirements without the need for modification to the standard RRC filter coefficients. This new version introduced:-

- Using Adjacent Channel Power measurements instead of an emissions mask
- And allowed for and increase in Occupied Bandwidth

STP8040/STP8140's have been re-measured covering the above parameters as reported in Db Technology Test Report R3051\_1 dated March 2012.

Products tested to the waiver follow the same factory manufacturing and quality processes and are manufactured from the same Bill of Materials as the products originally tested. Both products contain exactly the same builds of functional and control software.

The final factory alignment procedure and product test are also the same for both products ensuring products are shipped with the same RF power levels, and no other deviations from the normal factory specifications, for this reason it was not considered necessary to test any other parameters.

## 2 Addition of STP8000 Car Kit and Audio Accessories.

The original submission of the STP8040/STP8140 did not include the STP8000 Car kit, or a full suite of audio accessories. The STP8040/STP8140 has been emissions tested whilst operating within the car kit and results included in Db Technology Test Report R3051\_1 dated March 2012, showing compliance to the required specifications. RF exposure calculations have also been included for the antenna specified for use with the car kit and are included in Db Technology Test Report R3051\_3 dated March 2012.

Signed:



Name: Bob Allen

Dated: 14<sup>th</sup> May 2012