

## **FCC approval Justification for the STP8240**

### **Products Covered XX6STP8240**

The Sepura STP8240 is a Tetra hand portable equipment operating in the 450-470MHz frequency band with a maximum RF power level of 32.5dBm.

In RF terms it is identical to the to the already listed Sepura XX6STP8040 and XX6STP8140 products.

The differences between the STP8240 and the other products are :-

- The STP8240 has a mono-chrome display of similar construction to the colour displays used on the STP8040 & STP8140
- The STP8240 has a mid range keypad fitted sitting between the full range of the STP8040 and the minimal keypad fitted to the STP8140
- The STP8240 does not have the facility of the Bluetooth option.

The STP8040 and STP8140 have been extensively tested and listed for Tetra use both to the normal FCC rules and the new rules covered by the FCC rule change FCC-11-63.

The following test reports refer and can be found in Exhibit 6:-

STP8040\_Part15\_Pre\_Waiver  
STP8040\_Part90\_Pre\_Waiver  
STP8040\_Post\_Waiver\_with\_Carkit

However, SAR testing was repeated on the STP8240 to ensure the non fitment of the Bluetooth module had no adverse effects on this parameter.

The SAR Report and Carkit Exposure Report can be found in Exhibit 11

STP8240\_SAR\_75916872\_Report1\_Issue1  
R3051\_RFEXP\_1\_Carkit

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As both the RF circuitry and mechanical construction, in terms of RF screening, between the various models is identical we can see no technical reasons why the STP8240 needs further testing in addition to the test that have already been carried out on the STP8040.

Signed:

A handwritten signature in black ink, appearing to read "Bob Allen".

Name: Bob Allen

Dated: 10<sup>th</sup> July 2012

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