

----- Original Message -----

**From:** [Lahiru Raffel](#)  
**To:** [EMC Technologies NZ Ltd](#)  
**Cc:** [Matthew Spaapen](#)  
**Sent:** Monday, November 19, 2012 3:37 PM  
**Subject:** FCC Equipment Authorization System

Good morning

Regarding question 4.

The radio can also operate using 4800 bps in a 6.25 kHz channel spacing.

The data encoder that is used is the FX919B which is shown in the document entitled: Data encoder datasheet.pdf.

This datasheet has been uploaded as an exhibit to your website

On the cover page of this datasheet it states that the data modem can operate in Half Duplex mode at speeds from 4800 to 19200 bits/sec.

On page 22 of the datasheet it shows that 3 symbol rates are selectable they being:

- 9600 sym/sec (19200 bits/sec)
- 4800 sym/sec (9600 bits/sec)
- 2400 sym/sec (4800 bits/sec).

I hope that this information addresses the question that has been asked

Regards

*Lahiru Raffel*  
*Senior RF Engineer*

**STI Engineering** | Communications & Electronics Engineers  
Incorporating **RF Innovations**  
**Office** | 22 Boulder Rd, Malaga, Western Australia 6090  
**Telephone (Direct)** | +61 8 9209 0910 **Facsimile** | +61 8 9248 2833  
**Web** | [www.stiengineering.com.au](http://www.stiengineering.com.au)