To Andy Leimer
From S Crompton
6/07/01
Dear Mr Leimer,
This memo is in reply to your request for technical information below:

To: Stephen Crompton, Tait Electronics Ltd
From: Andy Leimer
aleimer@fcc.gov
FCC Application Processing Branch

Re: FCC ID CASTEL0032
Applicant: Tait Electronics Ltd
Correspondence Reference Number: 19855
731 Confirmation Number: EA101141

The following is needed to further process this application:

1) Submit a Block Diagram

Reply: An Exhibit is uploaded with this letter.

2) Submit a User's manual. The User's Manual should include the appropriate RF exposure information.

Reply: An Exhibit is uploaded with this letter

3) Submit Internal Photos with the shielding removed.

Reply: An Exhibit is uploaded with this letter

4) Submit an Operational description.

Reply: An Exhibit is uploaded with this letter

4) The Service manual says that the Duty Factor is 20%. The SAR report says that the device was tested at a 25% Duty Factor. Please explain this discrepancy.

Reply: The Service Manual Duty Factor is the maximum transmission time recommended to the user to avoid overheating of the radio under worst case environmental conditions. The Duty Factor tested by the Test House is the maximum duty cycle expected to result in compliance with RF Safety limits. (Since the recommended duty cycle in the User's Guide is 20%, there is an extra margin of safety.)

5) The application is for 896 to 941 MHz. Special Mobile Radio (SMR) for Part 90 covers 896 to 901 MHz. Please explain what Rule covers the 901 to 941 MHz range. Is it 22G?

Answer: Please amend application to read 896-901 MHz.

Best Regards
Steve Crompton.