

To: Andy Leimer  
From: Linda Grose  
13/07/01

Re: FCCID: CASTEL0032  
Applicant: Tait Electronics Ltd  
Correspondence Reference Number: 19893  
731 Confirmation Number: EA101141

Dear Mr Leimer,  
This memo is in reply to your request for technical information.

The original application was for 896 to 941MHz. This was because of a mistaken belief that the rules that apply to the grants we currently hold for our basestation and mobile equipment would also apply to this hand-portable product.

*Mobile grant CASTEL0036 gives a frequency range of 896-901 and 935-940MHz (part 90)*  
*Base station grant CASTEL0044 gives a frequency range of 890-960MHz, as does CASTEL0045 (parts 22, 90 & 101)*  
*Base station grant CAS8IPT881-HS gives a frequency range of 800-901 and 935-960MHz (parts 22, 90 & 94)*  
*Base station grant CAS8IPT881 gives a frequency range of 800-960MHz (parts 22, 90 & 94)*

Based on these previous grants, the sample was tested at 918.1MHz being the approximate middle of the band of interest, as is our practice. The SAR report was commissioned at great expense (\$37,000) and to defer this cost it was decided to test the sample at the top, middle and bottom of the frequency band the radio is capable of (896.1, 918.1 and 940.9MHz) so as to ease the use of this report in as many approvals around the world as possible.

As you stated in your e-mail, part 90 (SMR) allows operation in the 896-901 and 935-940MHz sub bands.

The lowest test frequency in the SAR report (896.1MHz) falls within the 896-901MHz band, and the upper frequency (940.9MHz) is just outside the higher sub band of 935-940MHz. Considering the result of this testing across the complete 45MHz band that the sample is capable of was such a definite pass, I ask that you consider accepting this SAR report for this submission.

Regarding the requirement to test the sample to rule part 90 within the band of operation, now 896-901 and 935-940MHz. As the sample was tested in the middle of the two available frequency areas (918.1MHz), please do consider my request that you also accept this testing as adequate.

**To clarify: we request 896-901 and 935-940MHz approval under part 90 of the FCC rules.**

To answer your final question, the radio is set up on the required frequencies by our local subsidiary. The frequencies assigned are determined by licensing agreements and the frequency sub-bands stated on the FCC grant applicable to that product. These frequencies are locked in to the memory of this product and cannot be changed by the end user. This prohibits operation on any other frequency.

**I do apologise for the confusion caused by the error made in the original submission and the resulting problems.**

Best regards  
Linda Grose  
Compliance Co-ordinator  
Tait Electronics Ltd