

**Question 1: Do you agree with our proposal to allow high power PMSE use in channel 38 on 606.7 and 607 MHz at a maximum of 10 W ERP?:**

We do not agree with the proposal of allowing high power usage within channel 38 for the following reasons;

1) Ofcom have assumed single frequency usage of PMSE users, most theatres are now using the maximum number of intermod free channels within channel 38 (12 channels as a rule) so a high power signal would leave such users no other channels available

2) As a manufacturer of equipment we can say the following, most of the technology such as transistors, integrated circuits etc used in the 800MHz band equipment was manufactured to service the mobile phone industry, e.g. dielectric filters used in receiver front ends.

On moving to the 600Mhz band most of these devices either will not work or work with reduced performance and are at best out of manufacturers specifications for example most Rf power transistors are available normally to 470Mhz with the next frequency band being in the 800MHz region.

This will have the effect of limiting manufactures choice of amplifier device and will make units more expensive, harder to design etc.

3) If high power usage is allowed within channel 38, it would be more prone to illegal use than dedicated equipment at other frequencies.

4) Alternative suggestion to aid both the PMSE users and the manufacturers would be to possibly use the low TV channels say 21 or 22 as there are generally more RF devices available.