

From: Ross [mailto:tott@xtra.co.nz]
Sent: Wednesday, 1 November 2017 7:32 p.m.
To: Radio Spectrum
Subject: 174 MHz-184 MHz: Land Mobile Radio technical consultation

Hi ,

Here is my feedback on this spectrum relating to the questions raised below.
I have no comments to add on the other questions

Q1. radio microphone could be allowed in this band. I suggest 2-3 Mhz and away from potential LMR frequencies

Q2. Yes to DAB in this band provided it was in the top end and well away from LMR in this band. High power interference can cause a number of issues to LMR if too close. There is a good example of this with A band LMR and FM broadcast. Performance of LMR radio systems suffers from close frequency broadcast transmitters

Q3 no expert in this area but I would suggest yes but near the top end of the band as for above reasons affecting LMR

Q4. Definitely yes to LMR in this band. I suggest low part of the band for the reason that existing EE band antenna equipment could be used for both bands. EE band is very congested so an alternative is required. I believe 8-10 MHz EE band.

Q5. Yes some technology requirements. Definitely digital , For example popular DMR, Tier 2 and 3. Analogue 12.5knz to be allowed for the same reason on congestion in EN and EE bands.

Q6. Manage the same way other VHF LMR bands are done. User pays by licence. Easy to manage and works effectively based on existing LMR.

Regards
Ross Tottenham