

## Interference analyses

Analysis of the potential interference between services across different boundaries has been undertaken in order to assess the technical feasibility of the changes proposed in the discussion paper.

### [Interference analysis](#)

The Ministry is proposing a possible replanning of the 806-960 MHz band. This report analyses the potential interference between services across four frequency boundaries in the plan.

### [Supplementary interference analysis](#)

This report analyses the potential interference between 4 watt RFIDs into neighbouring cellular mobile and studio transmitter linking (STL) services.

### [Interference analysis for 840 MHz interface \(STLs into cellular BS\)](#)

This report analyses the potential interference situation of STLs in the proposed band 841-851 MHz into cellular base station receivers in the band 825-840 MHz, with cdma2000 occupying the top 5 MHz and W-CDMA in the 830-835 MHz channel. Note that the next report analyses W-CDMA in the 835-840 MHz channel.

### [Interference analysis for 840 MHz \(STLs into W-CDMA BS\)](#)

This report analyses the potential interference situation of STLs, in the band above 840 MHz, on W-CDMA cellular base station receivers in the band below 840 MHz, with the W-CDMA receivers using the highest channel below 840 MHz.

### [Interference analysis for 1 W SRDs in 900 MHz band](#)

This report analyses the potential interference situation of 1 W SRDs, operating in the proposed 915-929 MHz band, co-channel into STL receivers in the band 915-921 MHz, and secondly 1 W SRDs into cellular base station receivers in the band 900-915 MHz.