

Philips response to

Consultation on proposals for Technical Requirements for Short Range, High Data Rate Equipment operating in the frequency range 5150 to 5875 MHz - Final Stage

This document was prepared by Philips Research Laboratories and Philips Digital Systems Laboratory, Redhill.

Philips proposes that serious consideration be given to transmitting COFDM DVB-T transmissions in Band C (5725-5875MHz). This is intended to facilitate the migration from analogue to digital TV by enabling the low-cost in-home distribution of terrestrial digital TV signals to second TV sets and video recorders. This particular application has not been sufficiently covered in any of the earlier deliberations and will alleviate the technical and regulatory problems associated with the in-home distribution of DVB-T signals within the UHF and 2.4GHz spectrum. The proposal is to use limited power (e.g. 200mW with TPC, as in Bands A and B), but without DFS, which would be impractical in the low-cost implementations that would be required.

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