
Notice: DTT interference mitigation procedures for 800 MHz spectrum access licences

For transmissions exceeding 61dBm / (5MHz) EIRP

NOTICE

Publication Date: 27 October 2021

Introduction

- 1.1 This Notice is given to each Licensee under its respective Spectrum Access 800 MHz licence.
- 1.2 This Notice sets out the procedures relating to the mitigation of interference that the Licensee must comply with if it wishes to operate the Radio Equipment at a power level exceeding the Power Threshold.
- 1.3 In this Notice:
 - a) **'DTT Coexistence Scheme'** means a scheme for the purpose of providing information and advice to DTT Viewers and assisting DTT Viewers to resolve undue interference suffered by them as a result of the Licensee's use of the Radio Equipment at power levels exceeding the Power Threshold;
 - b) **'DTT Viewers'** means viewers of digital terrestrial television services operating at frequencies below 694 MHz who suffer or may be likely to suffer undue interference from mobile services;
 - c) **'Licensee'** means the licensee under a Varied 800 MHz Licence;
 - d) **'Power Threshold'** means a mean power exceeding 61 dBm / (5MHz) EIRP per radio equipment in the downlink frequencies in the Licensee's Permitted Frequency Blocks;
 - e) **'Scheme Plan'** means a plan for a DTT Coexistence Scheme which Ofcom has confirmed in accordance with paragraph 2.2 of this Notice;
 - f) **'Varied 800 MHz Licence'** means a licence authorising the use in the United Kingdom of spectrum in the frequency bands 791 to 821 MHz and 832 MHz to 862 MHz and which permits the Radio Equipment to transmit at power levels exceeding the Power Threshold;
- 1.4 Any other defined term used in this Notice has the same meaning as in the relevant Varied 800 MHz Licence.
- 1.5 The terms "interference" and "undue interference" in this Notice should be construed in accordance with section 115 of the Wireless Telegraphy Act 2006.

Procedures

- 2.1 Before operating the Radio Equipment at a power level exceeding the Power Threshold, the Licensee must submit a plan to Ofcom for establishing and operating a DTT Coexistence Scheme.
- 2.2 Ofcom will confirm to the Licensee if it considers a submitted plan meets the policy objective set out in *“Ofcom’s decision to update the technical conditions of mobile licences in the 800 MHz band”*, dated 27 October 2021.
- 2.3 During any period when the power transmitted by the Radio Equipment exceeds the Power Threshold, unless consent has otherwise been given in writing by Ofcom, the Licensee must operate the DTT Coexistence Scheme as described in the Scheme Plan and otherwise act in accordance with the Scheme Plan.
- 2.4 A Scheme Plan may be amended from time to time:
 - a) by the Licensee submitting a revised plan to Ofcom for consideration under paragraph 2.2; or
 - b) by Ofcom on reasonable notice to the Licensee.
- 2.5 The Licensee shall provide to Ofcom and any entity established or operating as part of the DTT Coexistence Scheme, in such manner and at such times as they may reasonably require, such documents or other information as they may require for the purposes of the scheme’s operation, monitoring that operation and assessing its appropriateness and effectiveness.