



KF/FZ-Fix, 12.03.2019

Microwave Radio Equipment

Demand on technical specifications

For frequency assignment the following technical specifications of the radio relay equipment are mandatory for all

- **intended bit rates,**
- **bandwidths and**
- **frequency bands:**

- 1) Technical data (typical values) as listed on page 2,
- 2) transmitter spectrum
 - a. listed in a tabular form,
 - b. +/- 250% of the transmission bandwidth
 - in 0.5 MHz steps up to 30 MHz bandwidth
 - in 4 MHz steps from 31...240 MHz bandwidth
 - in 10 MHz steps > 250 MHz bandwidth
- 3) overall filters characteristics of receiver (RF+ IF + BB)
 - a. listed in a tabular form,
 - b. +/- 250% of the transmission bandwidth
 - in 0.5 MHz steps up to 30 MHz bandwidth
 - in 4 MHz steps from 31...240 MHz bandwidth
 - in 10 MHz steps > 250 MHz bandwidth
- 4) NFD (**Net Filter Discrimination**)
 - a. data for the first up to the third adjacent channel
(for equipment with same and different bandwidth)

For further information, explanations please refer to ECC/REC 01-05, List of parameters of digital point-to-point fixed radio links used for national planning (ANNEX I).

www.ecodocdb.dk

EQUIPMENT SPECIFICATIONS for OFCOM ICS_MANAGER

*The stated values must reflect the ACM reference mode.
TX power level and TX mask used for Reference Mode must not increase in case of lower or higher-level-modulation.*

OFCOM CODE	-
SYSTEM CLASS	
MANUFACTURER	
EQUIPMENT FAMILY	
EQUIPMENT MODEL	
POWER CATEGORY	
BITRATE	Mbit/s
MODULATION	
DESIGNATION OF EMISSION IRFB	
FREQUENCY MIN.	MHz
FREQUENCY MAX.	MHz
OCCUPIED BANDWIDTH	MHz
CHANNEL SPACING	MHz
POWER MAXIMUM	dBm
POWER MINIMUM	dBm
ATPC RANGE	dB
RX THRESHOLD BER 10^{-3}	dBm
RX THRESHOLD BER 10^{-6}	dBm
NOISE FIGURE	dB
KTBF	dBm
ADAPTIVE CODED MODULATION	YES <input type="checkbox"/> NO <input type="checkbox"/>
MAX. MODULATION	
MAX. BITRATE	Mbit/s
UP-SWITCH MAX. MOD	dBm
FILE NAME	
TX- AND RX-FILTERDATA	
REMARKS	
Date: Data Set / Modification	