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| Logo_sw | Federal Department of the Environment Transport, Energy, and Communication DETEC  **Federal Office of Communications OFCOM**  National Frequency Management and Licences Division |

**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,

1. transmitter spectrum
   1. listed in a tabular form,
   2. +/- 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
2. overall filters characteristics of receiver (RF+ IF + BB)
   1. listed in a tabular form,
   2. +/- 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. NFD (**Net Filter Discrimination** )
   1. 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](https://www.ecodocdb.dk/)

OFCOM; KF/FZ-Fix

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| **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  NO |
| MAX. MODULATION |  |
| MAX. BITRATE Mbit/s |  |
| UP-SWITCH MAX. MOD dBm |  |
|  |  |
| File Name  TX- and RX-Filterdata |  |
|  |  |
|  |  |
| REMARKS |  |
| Date: Data Set / Modification |  |