

Additional information for RFID UHF – Frequency range

RFID Option
for MC 92N0^{ex}

MC 92N0 ^{ex} – IS	Type: 17-A1A2-R*** /*****
MC 92N0 ^{ex} – IS	Type: 17-A1A3-R*** /*****
MC 92N0 ^{ex} – NI	Type: B7-A2A4-R*** /*****

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1. RFID UHF – Frequency range

The RFID UHF frequency range is between 840 MHz up to 954 MHz.

The BARTEC RFID reader support following frequency range:

- RFID UHF-Reader (EU) 865.6 MHz up to 867.5 MHz (EN 302 208)
- RFID UHF-Reader (US) 902 MHz up to 928 MHz (FCC CFR 47 Part 15.247)

Internationally there are different frequency ranges in countries or regions which are released for RFID. The released frequencies please refer to the currently valid guidelines and regulations of the respective country or region.

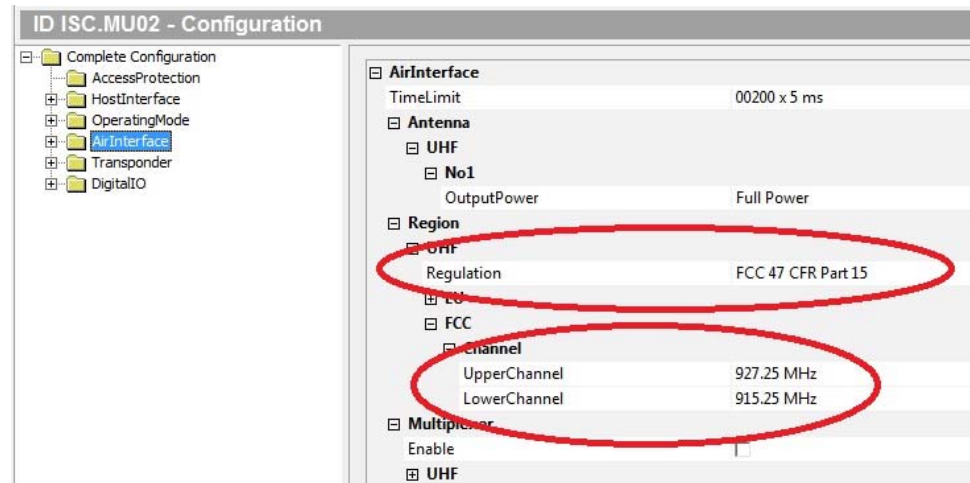
The settings for the frequency band can be changed in the reader configuration.

The parameters can be setup via software.

- Search for Regulation EU EN 302 208
- Search for Regulation FCC47 CFR Part 15

The parameters can be found in CFG36 Byte 3, Byte 8 and Byte 9

The frequency range can be setup for the upper and lower channel.



It is also possible to setup up manually via ISO start software.



Important Note:

A complete reset of the device resets also the configuration of the reader.
The customized configuration of the reader needs to be done again.

Corrective action:

Protect the setup of the configuration with a password.

RFID frequency table:

Country or region	Frequency range:
Europe	865.6 MHz up to 867.5 MHz
USA and Canada	902 MHz up to 928 MHz
Brazil	902 MHz up to 907.5 MHz 915 MHz up to 928 MHz
Australia	920 MHz up to 926 MHz
South Africa	917 MHz up to 921 MHz 865.6 MHz up to 867.5 MHz
Korea	910 MHz up to 914 MHz
China	920.5 MHz up to 924.5 MHz 840.5 MHz up to 844.5 MHz
Singapore	920 MHz up to 925 MHz 866 MHz up to 869 MHz