Regulatory compliance of the remote transmitter

Models: FBX521, FBX525, FBX524, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702B

Products bearing the model numbers, FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702B are henceforward referred to as final products.

The European regulation applicable to the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702B is the R&TTE Directive 1999/5/EC.The conformity assessment for the FBX521, FBX525, FBX530, FBX540 and FBX621 completed in accordance with the R&TTE Directive Annex II (RX) and III (TX) procedures.

FNote: The FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702B are intended to be used in all EU and EFTA countries.

There may be restrictions on the use of voice and audio applications in the following countries; FI, FR, HU, IT, LU, LI, CH.

1. Modulation

FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, is designed to be used for the Non-Specific Short Range Device defined in the ERC/REC 70-03 Annex-1

FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, continuously emits carrier signals when call button is pressed and the power is supplied. Modulation type, GFSK. The user must design the final product to meet the requirements of the duty cycle as provided in the Regulatory parameters to Annex 1 of ERC/REC/ 70-03.

2. Antenna

FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, is supplied with a dedicated PCB antenna and the conformity assessment of the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702 was performed using the dedicated antenna (Circuit Design's standard dipole antenna 1/4 lambda lead antenna). If user changes the antenna or intend to use an antenna other than already existing as a part of the design, an antenna with equivalent characteristics and performance, further radio conformity assessment may be required.

3. Supply voltage

The FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, should be used within the specified voltage range (11.8 to 12 V).

3. Transmitter PA

The FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, devices, transmitted radio power is +3.8 to +4dbm and center frequency of (434MHz). Bandwidth = 125KHz.

4. Enclosure

To fulfill the requirements of EMC and safety requirements, the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 is mounted on the circuit boards of the final products and has plastic ABS enclosures. No surface of the internal circuits and antenna is exposed.

Conformity assessment of the final product

The manufacturer of the final product is responsible for the conformity assessment procedures of the final product in accordance with the R&TTE Directive.

As to the conformity assessment of the R&TTE Directive Article 3.2 (Efficient use of the radio spectrum), the manufacturer of the final product incorporating the R&TTE assessed FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, will be exempted from its conformity assessment procedures. For details of how to use the conformity assessment of the FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702 , please consult the relevant authorities or accredited certification bodies.

Notification of the final product

The notification required by R&TTE Directive Article 6 (4) is not necessary if the final product is used in the harmonized frequency band and is classified as Class-1 equipment. If the final product is not used in the harmonized frequency band and is classified as Class-2 equipment, the manufacturer of the final product has a duty to notify the relevant radio regulatory authorities in the countries where the final product is sold.

*NOTE: In case the FBX521, FBX525, FBX525, FBX545, FBX621, FBX622, FBX623, FBX624, FBX701A, FBX701B, FBX702A, FBX702, 380-434MHz is used with less than a 10% duty, notification of the final product will be required. A list of Class-1 equipment is available at https://cept.org/

Exemption clause

Circuit Design, Inc does not guarantee the accuracy of the above mentioned information about the conformity assessment and notification of the final product. Directives, technical standards, principles of operation and the like may be interpreted differently by the authorities in each country. Also the national laws and restrictions vary with the country. In case of doubt or uncertainty, we recommend that you check with the authorities or official certification organizations of the relevant countries.

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Regulatory compliance of the remote receiver

Models: FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03, FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07

Products bearing the model numbers FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,are henceforward referred to as final products.

The European regulation applicable to FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX701A,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,is the R&TTE Directive 1999/5/EC.The conformity assessment for the FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX701A, FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07, completed in accordance with the R&TTE Directive Annex II (RX) and III (TX) procedures.

Note: FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07, are intended to be used in all EU and EFTA countries.

There may be restrictions on the use of voice and audio applications in the following countries; FI, FR, HU, IT, LU, LI, CH.

1. Modulation

The devices FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,is designed to be used for the Non-Specific Short Range Devices defined in the ERC/REC 70-03 Annex 1. The FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,continuously emits carrier signals when call button is pressed and power is supplied. Modulation type: GFSK. The user must design the final product to meet the requirements of the duty cycle as provided in the Regulatory parameters related to Annex 1 of the ERC/REC 70-03.

2. Antenna

The FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07, is supplied with a dedicated PCB antenna and the conformity assessment of FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M,FBX7S04M ,FBX7S05M,FBX7XS07,was performed using the dedicated antenna (Circuit Design's standard dipole antenna 1/4 lambda lead antenna). If user changes the antenna or intend to use an antenna other than already existing as a part of the design, an antenna with equivalent characteristics and performance, further radio conformity assessment may be required.

3. Supply voltage

FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX701A, FBX701B, FBX702A, FBX702B,should be used within the specified voltage range (11.8 to 12 V).

3. Receiver sensitivity

The FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,devices has receiving sensitivity of -95 to -135dbm (depending on configuration) and center frequency of (434MHz). Bandwidth = 125KHz.

4. Enclosure

To fulfill the requirements of EMC and safety requirements, the FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03, FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07,is mounted on the circuit boards of the final products and has plastic ABS enclosures. No surface of the internal circuits and antenna is exposed.

Conformity assessment of the final product

The manufacturer of the final product is responsible for the conformity assessment procedures of the final product in accordance with the R&TTE Directive. As to the conformity assessment of the R&TTE Directive Article 3.2 (Efficient use of the radio spectrum), the manufacturer of the final product incorporating the R&TTE assessed FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07, will be exempted from its conformity assessment procedures. For details of how to use the conformity assessment of the FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03,FBX7L02S05M,FBX7S04M ,FBX7S05M, FBX7XS07, please consult the relevant authorities or accredited certification bodies.

Notification of the final product

The notification required by R&TTE Directive Article 6 (4) is not necessary if the final product is used in the harmonized frequency band and is classified as Class-1 equipment. If the final product is not used in the harmonized frequency band and is classified as Class-2 equipment, the manufacturer of the final product has a duty to notify the relevant radio regulatory authorities in the countries where the final product is sold.

*NOTE: In case the FBXCSL02A,FBXCSL03A,FBXCSL04A,FBXCSRPT01,FBXCSRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03, FBX7L02S05M, FBX7S04M ,FBX7S05M, FBX7XS07, 380-434MHz is used with less than a 10% duty, notification of the final product will be required. A list of Class-1 equipment is available at https://cept.org/

Exemption clause

Circuit Design, Inc does not guarantee the accuracy of the above mentioned information about the conformity assessment and notification of the final product. Directives, technical standards, principles of operation and the like may be interpreted differently by the authorities in each country. Also the national laws and restrictions vary with the country. In case of doubt or uncertainty, we recommend that you check with the authorities or official certification organizations of the relevant countries.

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