

# **SUPPLEMENTARY OWNER'S HANDBOOK.**

**Declaration of Conformity.**



# Supplementary Owner's Handbook

Here is where any printed information regarding 2014/53/EU are listed.

Note: While all hyperlinks and information included were valid at the time of publication BMW Group cannot guarantee their long term validity. Therefore BMW Group will provide updated information at <http://www.bmwgroup.com/conformity>.

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# Declaration of Conformity



920628D is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.te.com/hirschmann-mobility/red](http://www.te.com/hirschmann-mobility/red)  
Fuba:

Hereby, Fuba Automotive Electronics GmbH declares that the antenna amplifier is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.Fuba-automotive.com/>

Kathrein:

Hereby, Kathrein Automotive GmbH declares that the antenna amplifier is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.kathreinautomotive.com/>

Continental:

Hereby, Continental Advanced Antenna GmbH declares that the antenna amplifier is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.continental-homologation.com/>

Laird:

Hereby, Laird Technologies GmbH declares that the radio equipment type roof antenna, screen antenna is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.lairdtech.com/doc>

Molex:

Hereby, Molex CVS Hildesheim GmbH declares that the radio equipment type roof antenna, screen antenna is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.molex.com/doc>

## Alarm System

### European Union: Declaration of Conformity

Hereby, Meta System S.p.A. declares that Microwave module Model MUW III is in compliance with Radio Equipment Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <https://docs.metasystem.it/>

### Technical information

Frequency Bands in which the radio equipment operates:

5725 MHz - 5874 MHz <25mW e.i.r.p.

### Manufacturer and Address

Manufacturer: Meta System S.p.A.

Address: Via Galimberti 5, 42124 Reggio Emilia, Italy

## Antenna and Amplifier

### European Union: Declaration of Conformity

Hirschmann:

Hereby, Hirschmann Car Communication GmbH declares that the antenna amplifier 920534D,

## Technical information

Laird/Molex roof antenna, Frequency Band:

- ▷ MIMO1 (790-960 MHz), (1710-2170 MHz), (2500-2690 MHz)
- ▷ MIMO2 (790-960 MHz), (1805-2170 MHz), (2550-2690 MHz)
- ▷ GNSS (1571-1606 MHz)
- ▷ DABL (1452-1492 MHz)

Laird/Molex screen antenna, Frequency Band:

- ▷ AM: 153 – 279 KHz, 522 – 1710 KHz, 5900 – 6250 KHz
- ▷ FM: 87,5 – 108 MHz
- ▷ DABIII: 170 – 240 MHz
- ▷ TV: 47 – 68 MHz, 170 – 240 MHz, 470 – 862 MHz

## Manufacturer and Address

Manufacturer: Hirschmann Car Communication GmbH

Address: Stuttgarter Str. 45 – 51; 72654 Neckar-  
tenzlingen

Manufacturer: Fuba Automotive Electronics GmbH

Address: Fuba Automotive Electronics GmbH  
TecCenter D-31162 Bad Salzdetfurth

Manufacturer: Kathrein Automotive GmbH

Address: Roemerring 1, 31137 Hildesheim

Manufacturer: Continental Advanced Antenna GmbH

Address: Roemerring 1, 31137 Hildesheim

Manufacturer: Laird Technologies GmbH

Address: Daimlerring 31, D-31135 Hildesheim /  
Germany

Manufacturer: Molex CVS Hildesheim GmbH

Address: Daimlerring 31, D-31135 Hildesheim /  
Germany

## Body Domain Controller

### European Union: Declaration of Conformity

Continental:

Hereby, Continental declares that the radio equipment type BMW BDC is in compliance with Directive 2014/53/EU. URL: <http://continental-homologation.com/bmw>

LEAR:

Hereby, LEAR Corporation declares that the radio equipment type TTRBDCLR01, TTRFEMLR01 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.lear.com/Products/Declaration-of-Conformity>

Flex:

Hereby, FLEXTRONICS TECHNOLOGIES ME-XICO S. DE R. L. DE C.V declares that the radio equipment type BDC-03 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.flex-homologation.com/BMW>

Visteon:

Hereby, Visteon Electronics Germany GmbH declares that the radio equipment type BDC-03 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.visteondocs.com/>

### Technical information

Continental:

Frequency Band: 125 kHz

Maximum transmitter power: 21 dBμA/m

LEAR:

Frequency Band: 125 kHz

Maximum Magnetic Field Strength: 45.3 dBμA/m

Flex/Visteon:

Frequency Band: 125 kHz

Max output power: 2.6 W

## Manufacturer and Address

Manufacturer: Continental Automotive GmbH

Address: Siemensstraße 12, D-93055 Regensburg

Manufacturer: LEAR Corporation holding Spain S.L.U.

Address: C/ Fusters, 54 - 43800 Valls (Tarragona) , Spain

Phone: +34 977 61 7100

Manufacturer: FLEXTRONICS TECHNOLOGIES MEXICO S. DE R. L. DE C.V

Address: Arthur-B.-Modine-Straße 1, 70794 Filderstadt

Manufacturer: Visteon Electronics Germany GmbH

Address: Van Buren Township, Michigan, U.S

## Car-Sharing Module

### European Union: Declaration of Conformity

Hereby Fuba declares that the radio equipment type CSM4 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.fuba-automotive.com](http://www.fuba-automotive.com)

### Technical information

CSM4

Frequency band: 2,4 GHz Bluetooth Low Energy

Maximum Power: 6.3 dBm

### Manufacturer and Address

Manufacturer: FUBA Automotive Electronics GmbH

Address: TecCenter, 31162 Bad Salzdetfurth, Germany

Phone: +49(0)5063.990.0

## Display Key

### European Union: Declaration of Conformity

Hereby, Foxconn Interconnect Technology Limited Taiwan Branch declares that the radio equipment type Model DK1S Display Key and i12 Display Key are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [http://www.fit-foxconn.com/Document/Download/BMW\\_docs](http://www.fit-foxconn.com/Document/Download/BMW_docs)

### Technical information

Frequency Band: 433,05 MHz - 434,78 MHz

Maximum Output Power: <10 mW (ERP)

### Manufacturer and Address

Manufacturer: Foxconn Interconnect Technology Limited Taiwan Branch

Address: No. 66-1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680, Taiwan (R.O.C.)

Phone: +31-45-8506000

## Front Radar Sensor

### European Union: Declaration of Conformity

Hereby, ADC Automotive Distance Control Systems GmbH declares that the radio equipment type ARS3-B & ARS4-A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://continental.automotive-approvals.com/>

### Technical information

ARS3-B & ARS4-A, Frequency band(s) in which the radio equipment operates: 76–77 GHz



ARS3-B, Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: 1W (30dBm RMS EIRP)

ARS4-A, Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates: 3.16W (35dBm RMS EIRP)

### Manufacturer and Address

Manufacturer: ADC Automotive Distance Control Systems GmbH

Address: Peter-Dornier-Strasse 10, 88131 Lindau, Germany

## Head Unit MGU

### European Union: Declaration of Conformity

Hereby, Harman Becker Automotive Systems GmbH declares that the radio equipment type MGU and MGU BASE is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet Address: <http://www.harman.com/compliance>

### Technical information

Bluetooth: 2,402-2,480 GHz <10dBm

WLAN: 2,4 GHz (2,4 GHz – 2,49 GHz) <20dBm

WLAN: 5 GHz (5,725 GHz – 5,875 GHz) <14dB

### Manufacturer and Address

Harman Becker Automotive Systems GmbH

Becker-Goering-Strasse 16

76307 Karlsbad

Germany

## Head Unit ENTRYEvo

### European Union: Declaration of Conformity

Alpine Electronics:

Hereby, Alpine Electronics declares that the radio equipment type EE0001/ EE0002 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.alpine.com/e/research/doc/>

Magneti Marelli:

Hereby, Magneti Marelli S.p.A. declares that the radio equipment type EE0001 / EE0002 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.magnetimarelli.com/homologation/RED/EntryEVO>

### Technical information

Alpine Electronics:

Frequency Band: 2.4 GHz

Output Power : 8 dBm

Magneti Marelli:

Frequency Band: 2.4 GHz

Output Power: 8 dBm

### Manufacturer and Address

Manufacturer: Alpine Electronics, Inc.

Address: : 20-1, Yoshima Industrial Park, Iwaki, Fukushima 970-1192 Japan

Phone: +81-246-36-4111

Manufacturer: Magneti Marelli S.p.A.

Address: Viale Aldo Borletti 61/63, 20011 Corbetta (MI) Italy

Phone: +39 - 02 97227111

## Head Unit ENTRYNAV

### European Union: Declaration of Conformity

HARMAN:

Hereby, Harman Becker Automotive Systems GmbH declares that the radio equipment type EntryNav is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet Address: <http://www.harman.com/compliance>

Magneti Marelli:

Hereby, Magneti Marelli declares that the radio equipment type EN2 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.magnetimarelli.com/homologation/RED/EntryNAV>

### Technical information

HARMAN:

Bluetooth: 2400-2483,5 MHz <10 dBm

Magneti Marelli:

Bluetooth: 2400-2480 MHz <4 dBm

### Manufacturer and Address

Manufacturer: Harman Becker Automotive Systems GmbH

Address: Becker-Goering-Strasse 16, 76307 Karlsbad, Germany

Manufacturer: Magneti Marelli S.p.A.

Address: Viale Aldo Borletti 61/63, 20011 Corbetta (MI) Italy

## Head Unit NBT, NBTEvo

### European Union: Declaration of Conformity

Hereby, Harman Becker Automotive Systems GmbH declares that the radio equipment type

NBT, NBTEvo headunit is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet Address: <http://www.harman.com/compliance>

### Technical information

NBT:

Bluetooth: 2400-2483,5 MHz <10 dBm

NBTEvo:

Bluetooth: 2400-2483,5 MHz <10 dBm

WLAN: 2400-2483,5 MHz <20 dBm

### Manufacturer and Address

Manufacturer: Harman Becker Automotive Systems GmbH

Address: Becker-Goering-Strasse 16, 76307 Karlsbad, Germany

## Integrated Universal Remote Control

### European Union: Declaration of Conformity

Hereby, Gentex Corporation declares that HomeLink® Model EHL2, Model LUAHL5 is in compliance with Radio Equipment Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <http://www.homelink.com/regulatory>

### Technical information

Model EHL2, Frequency Bands in which the radio equipment operates:

- ▷ 26.957MHz-27.293MHz <10mW E.R.P.
- ▷ 27.515MHz-27.585MHz
- ▷ 29.851MHz-29.885MHz\*
- ▷ 30.862MHz-30.950MHz\*
- ▷ 30.875MHz-30.950MHz\*
- ▷ 40.660MHz-40.700MHz <10mW E.R.P.

- ▷ 433.05MHz-434.79MHz <10mW E.R.P.
- ▷ 868.00MHz-868.60MHz <25mW E.R.P.
- ▷ 868.70MHz-869.20MHz <25mW E.R.P.

\*Only available in applicable EU member states that are permitted to use said frequency band(s).

Model LUAHL5, Frequency Bands in which the radio equipment operates:

- ▷ 433.05MHz-434.79MHz <10mW E.R.P.
- ▷ 868.00MHz-868.60MHz <25mW E.R.P.
- ▷ 868.70MHz-869.20MHz <25mW E.R.P.
- ▷ 869.40MHz-869.65MHz <25mW E.R.P.
- ▷ 869.70MHz-870.00MHz <25mW E.R.P.

				
27.515MHz - 27.585MHz				
FI	DE	BG	HU	IT
29.851MHz - 29.885MHz				
AT	BG	CY	DK	EE
FI	HU	MT	NL	PL
30.862MHz - 30.950MHz				
BE	BG	CZ	DK	DE
EE	IE	EL	ES	HR
IT	CY	LV	LT	LU
HU	MT	NL	AT	PL
PT	RO	SI	SK	FI
SE	DK			

## Manufacturer and Address

Manufacturer: Gentex Corporation

Address: 600 North Centennial Street, Zeeland MI 49464, USA

## LTE-Compensator

### European Union: Declaration of Conformity

Hereby, Continental Advanced Antenna GmbH declares that the radio equipment type Compensator ECE BE002 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.continental-automotive.com/Antenna-Electronics>

### Technical information

Frequency band 1 UMTS/LTE 1920 MHz - 1980 MHz max. output power: 23dBm

Frequency band 3 GSM 1710 MHz - 1785 MHz max. output power: 30dBm

Frequency band 3 UMTS/LTE 1710 MHz-1785MHz max. output power: 23dBm

Frequency band 7 LTE 2500 MHz-2570 MHz max. output power: 23dBm

Frequency band 8 GSM 800 MHz-915MHz max. output power: 33dBm

Frequency band 8 UMTS/LTE 800 MHz-915MHz max. output power: 23dBm

Frequency band 20 LTE 832 MHz-862 MHz max. output power: 23dBm

### Manufacturer and Address

Manufacturer: Continental Advanced Antenna GmbH

Address: Römerring 1 31137 Hildesheim, Germany

## Mid Range Radar

### European Union: Declaration of Conformity

Hereby, Robert Bosch GmbH declares that the radio equipment type MRRe14FCR is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://eu-doc.bosch.com>

Please enter the Model as MRRe14FCR to find the correct DoC in the database.

### Technical information

Frequency band: 76-77 GHz

Nominal radiated power: e.i.r.p. 32 dBm (peak detector)

Nominal radiated power: e.i.r.p. 27 dBm (RMS detector)

## NFC Reader

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### European Union: Declaration of Conformity

Hereby, Continental declares that the radio equipment type A2C12393700 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://continental-homologation.com/bmw>

#### Technical information

Frequency band: 13.56 MHz

Maximum transmitter power [output power]: 500 mW

#### Manufacturer and Address

Continental

Siemensstrasse 12

93055 Regensburg

Germany

## Rear Audio Remote Control

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### European Union: Declaration of Conformity

Hereby, Marquardt Germany GmbH declares that the Remote Control for Audio is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity will be available at the following internet address: <https://www.marquardt.com/doc/>

#### Technical information

Frequency Band: 868.000 - 868.600 MHz bzw. 433.050 - 434,790 MHz

Maximum Magnetic Field Strength: 25mW e.r.p. bzw. 10mW

### Manufacturer and Address

Manufacturer: Marquardt GmbH

Address: Schloss-Str. 16 78604 Rietheim-Weilheim; Germany

Phone: + 49 7424 99 0

## Rear Phone

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### European Union: Declaration of Conformity

Hereby, Valeo peiker Telematics declares that the radio equipment type Rear telephone consisting of CON-SIAII and handset HA55 evo is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://valeo-clientportal.com>

#### Technical information

Frequency band 1 UMTS 1922 MHz - 1977 MHz Maximum output power: 23dBm

Frequency band 3 GSM 1710 MHz - 1784 MHz Maximum output power: 33dBm

Frequency band 8 UMTS 882 MHz-912MHz Maximum output power: 23dBm

Frequency band 8 GSM 880 MHz-915MHz Maximum output power: 33dBm

Bluetooth CON-SIA II BR & EDR 2400 MHz-2483MHz Maximum output power 1,8dBm

Bluetooth handset HA55 evo BR & EDR 2400 MHz-2483MHz Maximum output power 4,0dBm

WIFI 2,4GHz CON\_SIA II 2400MHz-2483MHz Maximum output power 18dBm

#### Manufacturer and Address

Manufacturer: peiker acustic GmbH & Co. KG; Valeo peiker Telematics Product Line

Address: Max-Planck-Strasse 28-32 61381 Friedrichsdorf; Germany

## Rear Radar Sensor

### European Union: Declaration of Conformity

Hereby, Hella KGaA Hueck & Co. declares that the radio equipment type LCDAS 1.5, SWA 1.7 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.hella.com/bmw](http://www.hella.com/bmw)

### Technical information

Frequency range: 24,150 ... 24,250 GHz

Transmission power: 20 dBm (maximum)

### Manufacturer and Address

Manufacturer: HELLA KGaA Hueck & Co.

Address: Rixbecker Straße 75, 59552 Lippstadt, Germany

## Rear Seat Entertainment

### European Union: Declaration of Conformity

Hereby, Harman Becker Automotive Systems GmbH declares that the radio equipment type NBT RSE, NBTEvo RSE headunit is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet Address: <http://www.harman.com/compliance>

### Technical information

KLEER: 2400-2480 MHz <10 dBm

### Manufacturer and Address

Manufacturer: Harman Becker Automotive Systems GmbH

Address: Becker-Goering-Strasse 16, 76307 Karlsbad, Germany

## Rear Seat Entertainment Remote Control

### European Union: Declaration of Conformity

Hereby, Marquardt GmbH declares that the radio equipment type FFB XNF is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.marquardt.com/doc/>

### Technical information

Frequency Band: 2,403-2,478 GHz

Maximum Magnetic Field Strength: 100mW

### Manufacturer and Address

Manufacturer: Marquardt GmbH

Address: Schloss-Str. 16 78604 Rietheim-Weilheim; Germany

Phone: + 49 7424 99 0

## Remote Control

### European Union: Declaration of Conformity

Huf:

Hereby, Huf Hüsbeck & Fürst GmbH & Co. KG declares that the radio equipment type HUF 5661, 5767, 7059 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.hufgroup.com/eudoc>  
Valeo:

Hereby, Valeo Comfort and Driving Assistance declares that the radio equipment type Model ID21A is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.valeo-clientportal.com>

Hella:

Hereby, Hella KGaA Hueck & Co. declares that the radio equipment type IDGNG1 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

[www.hella.com/bmw](http://www.hella.com/bmw)

## Technical information

### Huf

HUF 5661:

Operating frequency: 868,3 MHz

Maximum output power: 25 mW

HUF 5767, HUF 7059:

Frequency band: 433,92 MHz

Maximum Transmission Power: 10 mW

### Valeo

ID21A:

Frequency Band: 433,20 MHz - 434,64 MHz

Maximum Output Power: 1 mW (ERP)

### Hella

IDGNG1:

Operating frequency: 433,05 MHz - 434,78 MHz

Maximum output power: <10 mW (ERP)

## Manufacturer and Address

Manufacturer: Huf Hülsbeck & Fürst GmbH & Co. KG

Address: Steeger Str. 17, 42551 Velbert; Germany

Tel.: +49 / (0)2051 272 0

Manufacturer: Valeo Comfort and Driving Assistance

Address: 76, rue Auguste Perret 94046 Créteil - CEDEX; FRANCE

Phone number: +33 1 48 84 54 00

Manufacturer: Hella KGaA Hueck & Co.

Address: Beckumer Str. 130, 59555 Lippstadt / Germany

Tel.: +49 2941 38 0

## Side Radar Sensor

### European Union: Declaration of Conformity

Delphi:

Hereby Delphi Electronics and Safety declares that this SRR2 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU (RED). The original delegation of conformity can be accessed at the following link [www.delphi.com/automotive-homologation](http://www.delphi.com/automotive-homologation)

APTIV:

Hereby, APTIV, 42367 Wuppertal declares that this B3TR is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU (RED). The original delegation of conformity can be accessed at the following link [www.delphi.com/automotive-homologation](http://www.delphi.com/automotive-homologation)

## Technical information

Delphi, APTIV:

frequency band 76 - 77 GHz

Maximum Output Power 30 dBm (1,0 W)

## Manufacturer and Address

Manufacturer: Delphi Electronics & Safety

Address: P.O. Box 9005

Kokomo, Indiana

46904-9005

United States of America

Manufacturer: APTIV Deutschland GmbH

Address: 42367 Wuppertal

## Smart Access

### European Union: Declaration of Conformity

Hereby, WITTE Automotive; WITTE Nejdek, spol. s r. o. declares that the radio equipment type BMW G3x NFC is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following URL: <http://www.witte-automotive.com/conformity>

### Technical information

Frequency range: 13,56 MHz +/- 7kHz

Maximum magnetic field strength: 7,5 A/m

### Manufacturer and Address

WITTE Automotive; WITTE Nejdek, spol. s r. o.  
Rooseveltova 1299  
36221 Nejdek  
Czech Republic

## Telematics Communication Box

### European Union: Declaration of Conformity

Hereby, Peiker acoustic GmbH & Co. KG declares that the radio equipment type TPLow, TCB-01 TCB ECE, TCB-01 TCB ECE GPS, ATM-01 R2-ECE-3G, ATM-01 T2-ECE-3G, ATM-01 R2-ECE-4G, ATM-01 T2-ECE-4G, ATM-01 R2-ECE-4GW, ATM-01 T2-ECE-4GW, ATM-02 R1-ECE-4G, ATM-02 T1-ECE-4G, ATM-02 R1-ECE-4GW, ATM-02 T1-ECE-4GW is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.valeo-clientportal.com>

### Technical information

TPLow, Frequency Band and transmission power:

- ▷ GSM 880-915 MHz - 33dBm
- ▷ GSM 925-960 MHz - 33dBm
- ▷ GSM 1710-1785 MHz - 30dBm
- ▷ GSM 1805-1880 MHz - 30dBm
- ▷ GNSS 1575.42 MHz

TCB-01 TCB ECE, Frequency Band and transmission power:

- ▷ GSM 880.2-914.8 MHz - 24dBm
- ▷ GSM 925.2-959.8 MHz - 24dBm
- ▷ GSM 1710.2-1784.8 MHz - 24dBm
- ▷ GSM 1805.2-1879.8 MHz - 24dBm
- ▷ UMTS 882.4-912.6 MHz - 24dBm
- ▷ UMTS 927.4-957.6 MHz - 24dBm
- ▷ UMTS 1922.6-1977.4 MHz - 24dBm
- ▷ UMTS 2112.6-2167.5 MHz - 24dBm

TCB-01 TCB ECE GPS, Frequency Band and transmission power:

- ▷ GSM 880.2-914.8 MHz - 24dBm
- ▷ GSM 925.2-959.8 MHz - 24dBm
- ▷ GSM 1710.2-1784.8 MHz - 24dBm
- ▷ GSM 1805.2-1879.8 MHz - 24dBm
- ▷ UMTS 882.4-912.6 MHz - 24dBm
- ▷ UMTS 927.4-957.6 MHz - 24dBm
- ▷ UMTS 1922.6-1977.4 MHz - 24dBm
- ▷ UMTS 2112.6-2167.5 MHz - 24dBm
- ▷ GNSS 1575,0 MHz
- ▷ GNSS 1602,0 MHz

ATM-01 R2/T2-ECE-3G, Frequency Band and transmission power:

- ▷ GSM 880.2-914.8 MHz - 33dBm
- ▷ GSM 1710.2-1784.8 MHz - 30dBm
- ▷ GSM 824.2-848.8 MHz - 33dBm
- ▷ GSM 1850.2-1909.8 MHz - 30dBm
- ▷ UMTS 830.0-840.0 MHz - 24dBm

- ▷ UMTS 882.4-912.6 MHz - 24dBm
- ▷ UMTS 1922.4-1977.6 MHz - 24dBm
- ▷ GNSS 1575,0 MHz

ATM-01 R2/T2-ECE-4G, Frequency Band and transmission power:

- ▷ GSM 880.2-914.8 MHz - 33dBm
- ▷ GSM 1710.2-1784.8 MHz - 30dBm
- ▷ UMTS 882.4-912.6 MHz - 24dBm
- ▷ UMTS 1922.4-1977.6 MHz - 24dBm
- ▷ LTE 791.0-862.0 MHz - 23dBm
- ▷ LTE 1710.0-1880.0 MHz - 23dBm
- ▷ LTE 2500.0-2690.0 MHz - 23dBm
- ▷ GNSS 1575,0 MHz

ATM-01 R2/T2-ECE-4GW, Frequency Band and transmission power:

- ▷ GSM 880.2-914.8 MHz - 33dBm
- ▷ GSM 1710.2-1784.8 MHz - 30dBm
- ▷ UMTS 882.4-912.6 MHz - 24dBm
- ▷ UMTS 1922.4-1977.6 MHz - 24dBm
- ▷ LTE 791.0-862.0 MHz - 23dBm
- ▷ LTE 1710.0-1880.0 MHz - 23dBm
- ▷ LTE 2500.0-2690.0 MHz - 23dBm
- ▷ GNSS 1575,0 MHz
- ▷ Wifi 2400-2483.5MHz - 8dBm

ATM-02 R1/T1-ECE-4G, Frequency Band and transmission power:

- ▷ GSM 880-915 MHz - 33dBm
- ▷ GSM 925-960 MHz - 33dBm
- ▷ GSM 1710-1785 MHz - 30dBm
- ▷ GSM 1805-1880 - 30dBm
- ▷ UMTS 880-915 MHz - 24dBm
- ▷ UMTS 925-960 MHz - 24dBm
- ▷ UMTS 1920-1980 MHz - 24dBm
- ▷ UMTS 2110-2170 MHz - 24dBm
- ▷ LTE 1710-1785 MHz - 23dBm
- ▷ LTE 1805-1880 MHz - 23dBm
- ▷ LTE 1920-1980 MHz - 23dBm

- ▷ LTE 2110-2170 MHz - 23dBm
- ▷ LTE 832-862 MHz - 23dBm
- ▷ LTE 791-821 MHz - 23dBm
- ▷ GNSS 1575.42 MHz

ATM-02 R1/T1-ECE-4GW, Frequency Band and transmission power:

- ▷ GSM 880-915 MHz - 33dBm
- ▷ GSM 925-960 MHz - 33dBm
- ▷ GSM 1710-1785 MHz - 30dBm
- ▷ GSM 1805-1880 - 30dBm
- ▷ UMTS 880-915 MHz - 24dBm
- ▷ UMTS 925-960 MHz - 24dBm
- ▷ UMTS 1920-1980 MHz - 24dBm
- ▷ UMTS 2110-2170 MHz - 24dBm
- ▷ LTE 1710-1785 MHz - 23dBm
- ▷ LTE 1805-1880 MHz - 23dBm
- ▷ LTE 2500-2570 MHz - 23dBm
- ▷ LTE 2620-2690 MHz - 23dBm
- ▷ LTE 832-862 MHz - 23dBm
- ▷ LTE 791-821 MHz - 23dBm
- ▷ GNSS 1575.42 MHz
- ▷ Wifi 2400-2483.5MHz - 8dBm

### Manufacturer and Address

Manufacturer: Peiker acoustic GmbH & Co. KG

Address: Max-Planck-Strasse 28-32, 61381 Friedrichsdorf, Germany

Phone:+49 6172 767 - 0

## Tire Pressure Monitoring System

### European Union: Declaration of Conformity

Continental:

Hereby, Continental declares that the radio equipment type TIS-07 is in compliance with Di-



rective 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://continental-homologation.com/bmw>

Schrader:

Hereby, Schrader Electronics Ltd. declares that the radio equipment type AG5SP4 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [http://www.tpmseuroshop.com/documents/declaration\\_conformities](http://www.tpmseuroshop.com/documents/declaration_conformities)

Huf:

Hereby, Huf Hüsbeck & Fürst GmbH & Co. KG declares that the radio equipment type TSSRE4A, TSSRE4Dg, TSSSG4G5 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.huf-group.com/eudoc>

## Technical information

### Continental:

Frequency band: 433.92 MHz

Maximum transmitter power: -17 dBm

### Schrader Electronics:

Frequency band: 433.92 MHz

Power: <10mW (e.r.p)

### Huf:

TSSRE4Dg, TSSSG4G5:

Frequency band: 433.92 MHz

Maximum Transmission Power: 10 mW

TSSRE4A:

Frequency band: 433.92 MHz

Maximum Transmission Power: <10 mW

## Manufacturer and Address

Manufacturer: Continental Automotive GmbH

Address: Siemensstrasse 12, D-93055 Regensburg

Manufacturer: Schrader Electronics Ltd.

Address: 11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom.

Manufacturer: Huf Electronics Bretten GmbH

Address: Gewerbe- str. 40, 75015 Bretten, Germany

## Transmitter/Receiver

### European Union: Declaration of Conformity

Continental:

Hereby, Continental declares that the radio equipment type FBD-2, FBD-3, FBD-4 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://continental-homologation.com/bmw>

Fuba:

Hereby Fuba declares that the radio equipment type FBDII is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.fuba-automotive.com](http://www.fuba-automotive.com)

## Technical information

Continental FBD-2:

- ▷ Frequency Band: 868.50 MHz
- ▷ Maximum Power: 6.3 dBm
- ▷ Modulation: FM
- ▷ ITU Emission Code: F1D
- ▷ Report: TA-2012/669

Continental FBD-3:

- ▷ Frequency Band: 433 MHz
- ▷ Maximum Power: max.0.63 mW (EN 62479)
- ▷ Report: T39156-03-00HS\_62479

Continental FBD-4:

- ▷ Frequency Band: 433 MHz
- ▷ Maximum Power: max.0.63 mW (EN 62479)
- ▷ Report: T39156-03-00HS\_62479

Fuba FBDII:

- ▷ Frequency band: 868.00 MHz ... 868.60 MHz
- ▷ Maximum Power: 6.3 dBm
- ▷ Modulation: FM
- ▷ ITU Emission Code: F1D

### Manufacturer and Address

Manufacturer: Continental Automotive GmbH

Address: Siemensstrasse 12, 93055 Regensburg, Germany

Phone: +49 941 790-0

Manufacturer: FUBA Automotive Electronics GmbH

Address: TecCenter, 31162 Bad Salzdetfurth, Germany

Phone: +49(0)5063.990.0

## TV Module

### European Union: Declaration of Conformity

Hereby, Hirschmann Car Communication declares that the radio equipment type TVM-T2 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.hirschmann-car.com/de/unternehmen/qualitaetsmanagement/>

### Technical information

Frequency Band: 170 - 230 MHz and 470 – 800 MHz

Transmit Power: not relevant

### Manufacturer and Address

Manufacturer: Hirschmann Car Communication GmbH

Address: Stuttgarter Straße 45 – 51, 72654 Neckartenzlingen, Germany

Phone: +49 7127 14 0

## Wireless Charging

### European Union: Declaration of Conformity

Molex:

Hereby, Molex CVS Dabendorf GmbH declares that the radio equipment type WCH-184 and WCH-189 are in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.molex.com/doc>

Bury:

Hereby, Bury GmbH, declares that this WCA Small BMW is in compliance with the essential requirements and other relevant provisions of Directive RED 2014/53/EU. Link to the Declaration of Conformity: [http://www.bury.com/documents/03-2016\\_854\\_14%20-%20WCA%20Small%20BMW.PDF](http://www.bury.com/documents/03-2016_854_14%20-%20WCA%20Small%20BMW.PDF)

### Technical information

Molex:

WCH-189, WCH-184:

Frequency Band: 111 kHz

Maximum Magnetic Field Strength: 42 dBµA/m

WCH-189 NFC:

Frequency Band: 13.56 MHz

Maximum Magnetic Field Strength: 42 dBµA/m

Bury:

Frequency Band: 96 ± 2 kHz

Output Power: 12,6 W

### Manufacturer and Address

Manufacturer: Molex CVS Dabendorf GmbH

Address: Märkische Strasse 72, 15806 Zossen,  
Germany

Phone: + 49 3377 316-0

Manufacturer: Bury Sp. Z o.o

Address: ul. Wojska Polskiego 4, 39-300 Mielec,  
Poland



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