

EU Declarations of Conformity.

EU-Konformitätserklärungen.

EU-Conformiteitsverklaringen.

Déclarations UE de conformité.

ЕС Декларации за съответствие.

Δηλώσεις συμμόρφωσης ΕΕ.

EU-Megfelelősségi nyilatkozatok.

Dichiarazioni di conformità UE.

ES Atbilstības deklarācijas.

ES Atitikties deklarācijas.

Deklaracje zgodności UE.

Declarações UE de conformidade.

EÚ Vyhlásenia o zhode.

Izjave EU o skladnosti.

Declaraciones UE de conformidad.

AB Uygunluk beyannameleri.

Deklaratat e konformitetit të BE-së.

EU izjave u usklađenosti.

EU izjave o sukladnosti.

EU deklaracije o usaglašenosti.

ЕУ декларации за сообразност.

EU izjave o usklađenosti.

Декларації відповідності стандартам ЄС.

Simplified EU declaration of conformity, EU directive 2014/53/EU
Vereinfachte EU-Konformitätserklärung, EU-Richtlinie 2014/53/EU
Vereenvoudigde EU-conformiteitsverklaring, EU-richtlijn 2014/53/EU
Déclaration UE de conformité simplifiée, Directive UE 2014/53/UE
Опростена ЕС декларация за съответствие, Директива на ЕС 2014/53/ЕС
Απλοποιημένη δήλωση συμμόρφωσης ΕΕ, Οδηγία ΕΕ 2014/53/ΕΕ
Egyszerűsített EU-megfelelőségi nyilatkozat, 2014/53/EU irányelv
Dichiarazione di conformità UE semplificata, Direttiva UE 2014/53/UE
Vienkāršotā ES atbilstības deklarācija, Direktīva 2014/53/ES
Supraprastinta ES atitikties deklaracija, ES direktyva 2014/53/ES
Uproszczona deklaracja zgodności UE, Dyrektywa UE 2014/53/UE
Declaração UE de conformidade simplificada, Diretiva UE 2014/53/UE
Zjednodušené EÚ vyhlásenie o zhode, Smernica EÚ 2014/53/EÚ
Poenostavljena izjava EU o skladnosti, EU-Direktiva 2014/53/EU
Declaración UE de conformidad simplificada, Directiva de la UE 2014/53/UE
Basitleştirilmiş AB uygunluk beyannamesi, AB direktifi 2014/53/AB
Deklarata e thjeshtuar e konformitetit e BE-së, direktiva e BE-së 2014/53/BE
Pojednostavljena EU izjava o usklađenosti, EU Direktiva 2014/53/EU
Pojednostavljena EU izjava o sukladnosti, Direktiva 2014/53/EU
Pojednostavljena EU deklaracija o usaglašenosti, EU direktiva 2014/53/EU
Поєднoставeнa EУ дeклapaцiя зa cooбpазнocт, EУ дирeктивa/53/EУ
Pojednostavljena EU izjava o usklađenosti, EU-Direktiva 2014/53/EU
Спрoщeнa Дeклapaцiя вiдпoвiднocтi cтaндapтaм EC, Дирeктивa 2014/53/EC

© 2024 Bayerische Motoren Werke

Aktiengesellschaft

Munich, Germany

Not to be reproduced, wholly or in part, without written permission from BMW AG, Munich.

English II/24, -

Printed on environmentally friendly paper, bleached without chlorine, suitable for recycling.



EN: The manufacturers named in the table hereby confirm that the radio equipment listed in the table complies with the directive 2014/53/EU. The complete EU declarations of conformity are available on the internet websites listed in the table.

DE: Hiermit erklären die in der Tabelle genannten Hersteller, dass die in der Tabelle genannten Funkanlagen der Richtlinie 2014/53/EU entsprechen. Die vollständigen EU-Konformitätserklärungen sind unter den in der Tabelle genannten Internetadressen verfügbar.

NL: De in de tabel vermelde fabrikanten verklaren hierbij dat de in de tabel vermelde radioapparatuur voldoet aan Richtlijn 2014/53/EU. De volledige EU-conformiteitsverklaringen zijn beschikbaar op de in de tabel vermelde internetadressen.

FR: Les fabricants indiqués dans le tableau déclarent par la présente que les équipements radioélectriques indiqués dans le tableau sont conformes à la directive 2014/53/UE. Les déclarations UE de conformité complètes sont disponibles aux adresses Internet indiquées dans le tableau.

BG: С настоящото посочените в таблицата производители декларират, че радиосистемите, посочени в таблицата, отговарят на изискванията на Директива 2014/53/ЕС. Пълният текст на ЕС декларациите за съответствие е достъпен на интернет адресите, дадени в таблицата.

EL: Διά της παρούσης δηλώνουν οι στον πίνακα αναφερόμενοι κατασκευαστές ότι οι ραδιοεξοπλισμοί που αναφέρονται στον πίνακα αντιστοιχούν στην Οδηγία 2014/53/ΕΕ. Οι πλήρεις δηλώσεις συμμόρφωσης ΕΕ διατίθενται στις διευθύνσεις διαδικτύου που αναφέρονται στον πίνακα.

HU: A táblázatban megnevezett gyártók ezúton kijelentik, hogy a táblázatban megnevezett rádióberendezések megfelelnek a 2014/53/EU irányelv követelményeinek. A teljes EUmegfelelőségi nyilatkozat a táblázatban megnevezett internetcímek alatt érhető el.

IT: Con la presente, i produttori nominati nella tabella dichiarano che gli impianti radio riportati nella tabella sono conformi alla direttiva 2014/53/UE. Le dichiarazioni di conformità UE complete sono disponibili agli indirizzi Internet citati nella tabella.

LT: Tabulā norādītie ražotāji ar šo deklarē, ka tabulā norādītās radioiekārtas atbilst Direktīvas 2014/53/ES prasībām. Pilns ES atbilstības deklarāciju teksts ir pieejams, apmeklējot tabulā norādītās interneta adreses.

LV: Lentelēje išvardyti gamintojai pareiškia, kad lentelēje išvardyti radijo įrenginiai atitinka Direktyvą 2014/53/ES. Visus ES atitikties deklaracijų tekstus rasite po lentele nurodytais interneto svetainių adresais.

PL: Niniejszym podani w tabeli producenci oświadczają, że podane w tabeli radiostacje spełniają wymogi dyrektywy 2014/53/UE. Pełne deklaracje zgodności UE są dostępne pod adresami internetowymi podanymi w tabeli.

PT: Os fabricantes indicados na tabela declaram que os sistemas de rádio indicados na tabela estão em conformidade com a Diretiva 2014/53/UE. As declarações UE completas de conformidade estão disponíveis nos endereços de Internet indicados na tabela.

SK: V tabuľke uvedení výrobcovia týmto vyhlásujú, že v tabuľke uvedené rádiové zariadenia sú v súlade so smernicou 2014/53/EÚ. Vyhlásenia EÚ o zhode v kompletnom znení sú dostupné na internetových adresách uvedených v tabuľke.

SL: V tabeli navedeni proizvajalci izjavljajo, da brezžične radijske naprave, navedene v tabeli, ustrezajo Direktivi 2014/53/EU. Popolne izjave EU o skladnosti so na voljo na spletnih naslovih, navedenih v tabeli.

ES: Los fabricantes indicados en la tabla declaran por la presente que los sistemas de telefonía móvil indicados en la tabla cumplen con la Directiva 2014/53/UE. Las declaraciones UE de conformidad completas están disponibles en las direcciones de Internet mencionadas en la tabla.

TR: Tabloda belirtilen üreticiler, işbu belge ile tabloda belirtilen radyo sistemlerinin 2014/53/AB yönetmeliğine uygun olduğunu beyan eder. Ayrıntılı AB uygunluk beyanname-leri tabloda belirtilen internet adresinde mevcuttur.

SQ: Prodhuesit e paraqitur në tabelë deklar-
ojnë nëpërmjet këtu dokumenti se radiopajisjet
e paraqitura në tabelë pajtohen me direktivën
2014/53/BE. Deklaratat e plota të konformitetit
të BE-së ofrohen në adresat e internetit të pa-
raqitura në tabelë.

BS: Proizvođači navedeni u tabeli ovime izjav-
ljuju da je radio oprema navedena u tabeli u
skladu s Direktivom 2014/53/EU. Potpune EU
izjave o usklađenosti dostupne su na internet-
skim adresama navedenima u tabeli.

HR: Ovim putem proizvođači navedeni u tablici
izjavljuju da je radijska oprema navedena u
tablici u skladu s Direktivom 2014/53/EU. Cje-
lovite EU izjave o sukladnosti dostupne su na
internetskim stranicama navedenima u tablici.

SR: Proizvođač koji se navodi u tabeli ovim iz-
javljuje da radio uređaji navedeni u tabeli odg-
ovaraju zahtevima direktive 2014/53/EU. Pun
tekst EU deklaracija o usaglašenosti je dostu-

pan na interent adresama koje se navode u
tabeli.

МК: Производителите наведени во
табелата со ова изјавуваат дека радио
уредите наведени во табелата се
усогласени со Директивата 2014/53/ЕУ.
Целосните ЕУ декларации за сообразност
се достапни на интернет адресите
наведени во табелата.

CNR: Proizvođači navedeni u tabeli ovim izjavl-
juju da su radio sistemi navedeni u tabeli u
skladu s Direktivom 2014/53/EU. Potpune EU
izjave o usklađenosti dostupne su na internet
adresama navedenim u tabeli.

УК: Цим зазначені у таблиці виробники
заявляють, що наведене у таблиці
радіообладнання відповідає вимогам
Директиви 2014/53/ЄС. Повні тексти
Декларацій відповідності стандартам ЄС
можна знайти за наведеними у таблиці
посиланнями.

①

Radio equipment, Funkanlage, Radio-
apparatuur, Équipement radioélectrique,
Радиосистема, Ραδιοεξοπλισμός, Rádióber-
endezés, Impianto radio, Radioiekārta, Rad-
ijo įrenginys, Radiostacija, Sistema de rádio,
Rádiové zariadenie, Brezžična radijska nap-
rava, Sistema de telefonía móvil, Radyo sis-
temi, Radiopajisja, Radio oprema, Radijska
oprema, Radio uređaj, Радио уред, Radio sis-
tem, Радіообладнання

②

Frequency band, Frequenzband, Frequentie-
band, Bande de fréquences, Честотна лента,
Μπάνα συχνότητων, Frekvenciasáv, Banda
di frequenza, Frekvenču josla, Dažnių juosta,
Pasma częstotliwości, Banda de frequência,
Frekvenčné pásmo, Frekvenčni pas, Banda
de frecuencia, Frekans bandı, Brezi i frekuen-
cës, Frekvencijski pojas, Frekvencijski opseg,
Фреквентен опсер, Talasna dužina, Діапазон
частоти

③

Max. transmission power, max. Sendeleistung, Max. zendvermogen, Fréquence maximale d'émission, макс. мощность на предаване, Μέγ. ισχύς εκπομπής, Max. adóteljesítmény, Potenza max. di trasmissione, Maks. pārraidītā signāla jauda, Maks. perdavimo galia, Maks. moc nadawcza, Frequência máx. de transmissão, Max. vysielací výkon, Najv. moč oddajnika, Máx. potencia emisora, Maks. verici gücü, Fuga maks. e transmetimit, Maks. snaga odašiljanja, Najveća radiofrekvencijska snaga,

Maks. snaga predajnika, макс. преносна моќ, maks. snaga prenos, Макс. потужність передачі
 ④
 Manufacturer, Hersteller, Fabrikant, Fabricant, Производител, Κατασκευαστής, Gyártó, Casa produttrice, Ražotājs, Gamintojas, Producent, Fabricante, Výrobca, Proizvajalec, Fabricante, Üretici, Prodhuesi, Proizvođač, Производител, Виробник

①	②	③	④
---	---	---	---

			
ARS3-B	76-77 GHz	1 W (30 dBm RMS EIRP)	1
ARS4-A	76-77 GHz	3.16 W (35 dBm RMS EIRP)	1
ARS5-A	76-77 GHz	3.16 W (35 dBm RMS EIRP)	1
ARS5-B	76-77 GHz	2 W (33 dBm RMS EIRP)	1
MRRre14FCR	76-77 GHz	32 dBm (peak detector) 27 dBm (RMS detector)	2
B3TR	76-77 GHz	30 dBm (1.0 W)	3
B5TR	76-77 GHz	30 dBm (1.0 W)	3

			
CSM4	2.4 GHz	6.3 dBm	4

			
MUW III	5725-5874 MHz	<25 mW e.i.r.p.	5
ICD-48/2148	GSM/GPRS/EDGE: Dual band 900/1800 MHz		6
	EGSM900 Class 4	+32.5 dBm ±2 dB	
	GSM1800 Class 1	+30 dBm ±2 dB	
	GSM 900 8-PSK Class E2	+26.5 dBm ± 3 dB	
	GSM 1800 8-PSK Class E2	+26 dBm +3 /-4 dB	

①	②	③	④
	LTE: Quad band 800 Bd20/900 Bd8/1800 Bd3/2100 MHz Bd1 LTE 800, LTE FDD Bd20 Class 3 +23 dBm ±2 dB LTE 900, LTE FDD Bd8 Class 3 +23 dBm ±2 dB LTE 1800, LTE FDD Bd3 Class 3 +23 dBm ±2 dB LTE 2100, LTE FDD Bd1 Class 3 +23 dBm ±2 dB GPS: 1575.42 MHz (receiver only); 72-channel u-blox M8 engine; GPS L1C/A, SBAS L1C/A, QZSS L1C/A, QZSS L1 SAIF, GLONASS L1OF, BeiDou B1I, Galileo E1B/C Remote control receiver: 433.92 MHz		
2781	433.92 MHz	-30 dBm	6



Antenna and Amplifier, LTE-Compensator

Telematics antenna	MIMO1:	790-960 MHz	7
		1710-2170 MHz	
		2500-2690 MHz	
Tel:		790-960 MHz	8
		1710-2170 MHz	
		2500-2690 MHz	
MIMO2:		790-960 MHz	7
		1805-2170 MHz	
		2550-2690 MHz	
GNSS:		1571-1606 MHz	7, 8, 9

①	②	③	④
	GNSS L1: 1558-1606 MHz		9
	GNSS L2: 1194-1235 MHz		
	5G: 617-698 MHz		
	698-960 MHz		
	1447-1511 MHz		
	1710-2690 MHz		
	3400-3800 MHz		
	4500-4600 MHz		
	5014-5836 MHz		
Broadcast antenna	AM: 522-1710 kHz		4, 7,
	FM: 87.5-108 MHz		8, 9
	DAB III: 170-240 MHz		
	TV: 170-240 MHz		
	470-694 MHz		
	AM: 520-1710 kHz		4
	FM: 87-108 MHz		
	DAB: 174-240 MHz		
Compensator ECE BE002	UMTS/LTE: 1920-1980 MHz	23 dBm	8
	GSM: 1710-1785 MHz	30 dBm	
	UMTS/LTE: 1710-1785 MHz	23 dBm	
	LTE: 2500-2570 MHz	23 dBm	
	GSM: 800-915 MHz	33 dBm	
	UMTS/LTE: 800-915 MHz	23 dBm	
	LTE: 832-862 MHz	23 dBm	
	Central Control Unit		
BMW BDC	125 kHz	21 dBµA/m	10
TTRBDCLR01	125 kHz	45.3 dBµA/m	11
BCP-01	125 kHz (Tx), 433 MHz (Rx)	23,34 dBuA/m @3m	11
BDC-03	125 kHz	2.6 W	12
BCP-01	125 kHz	3.3 W	13
BDC-03	125 kHz	2.6 W	13



Infotainment, TV

NBTEvo	Bluetooth: 2400-2483.5 MHz WLAN: 2400-2483.5 MHz	<10 dBm <20 dBm	14
NBTEvo RSE, MGU RSE	KLEER: 2400-2480 MHz	<10 dBm	14
MGU, MGU_F APN, MGUFQ ALAP, MGU21 APN, MGU21A ALAP	Bluetooth: 2.402-2.480 GHz WLAN 2.4 GHz: 2.4-2.49 GHz WLAN 5 GHz: 5.725-5.875 GHz	<10 dBm <20 dBm <14 dBm	14 30
MGU F	Bluetooth: 2.402-2.480 GHz WLAN 2.4 GHz: 2.4-2.49 GHz WLAN 5 GHz: 5.725-5.875 GHz GNSS: 1559-1610 MHz (Receiving only)	<10 dBm <20 dBm <14 dBm	14
MGU FQ	Bluetooth: 2400-2483.5 MHz WLAN 2.4 GHz: 2400-2483.5 MHz WLAN 5 GHz: 5150-5250 MHz WLAN 5 GHz-5.8: 5470-5725 MHz GNSS: 1559-1610 MHz (Receiving only)	<10 dBm <15 dBm <15 dBm <15 dBm	14
MGU21	Bluetooth: 2.402-2.480 GHz WLAN 2.4 GHz: 2.4-2.49 GHz WLAN 5 GHz: 5.150-5.250 GHz WLAN 5 GHz: 5.725-5.875 GHz GNSS: 1559-1610 MHz (Receiving only)	<10 dBm <20 dBm <14 dBm <14 dBm	14
MGU21A	Bluetooth: 2400-2483.5 MHz WLAN 2.4 GHz: 2400-2483.5 MHz WLAN 5 GHz-5.1: 5170-5250 MHz WLAN 5 GHz-5.8: 5735-5835 MHz GNSS: 1559-1610 MHz (Receiving only)	<10 dBm <10 dBm <14 dBm <14 dBm	14
MGU22	2400-2483.5 MHz 5150-5250 MHz 5725-5875 GHz	17.1 dBm 13.4 dBm 13.89 dBm	15

①	②	③	④
MGU22H, ID23H	Bluetooth: 2400-2483.5 MHz	<10 dBm	14
	WLAN 2.4 GHz: 2400-2483.5 MHz	<20 dBm	
	WLAN 5 GHz-5.1: 5170-5250 MHz	<20 dBm	
	WLAN 5 GHz-5.8: 5735-5835 MHz	<20 dBm	
	GNSS: 1559-1610 MHz (Receiving only)		
IDC23 High 8155	2.4 GHz	13.8 dBm	15
	5.1 GHz	16.64 dBm	
	5.8 GHz	13.91 dBm	
TVM2-T2	170-230 MHz, 470-800 MHz	n/a	9



Integrated Universal Remote Control

LUAHL5	433.05-434.79 MHz	<10 mW E.R.P.	16
	868.00-868.60 MHz	<25 mW E.R.P.	
	868.70-869.20 MHz	<25 mW E.R.P.	
	869.40-869.65 MHz	<25 mW E.R.P.	
	869.70-870.00 MHz	<25 mW E.R.P.	
UAHL5H	433.05-434.79 MHz	0.02 mW E.R.P.	16
	868.00-868.60 MHz	0.10 mW E.R.P.	
	868.70-869.20 MHz	0.10 mW E.R.P.	



NFC Reader

A2C12393700	13.56 MHz	500 mW	17
NFC 3.0	13.56 MHz	max. -38.81 dBm	17



Lock/Unlock

DK1S Display Key	433.05-434.78 MHz	<10 mW (ERP)	18
HUF 5661	868.3 MHz	25 mW	19
HUF 7059	433.92 MHz	10 mW	19
ID21A	433.20-434.64 MHz	1 mW (ERP)	20
IDGNG1, IDGNG1M	433.05-434.78 MHz	<10 mW (ERP)	21

①	②	③	④
BK1	UHF: 433.20-434.64 MHz UWB: 6000-8500 MHz	1 mW (ERP) -41.3 dBm/MH	22
BMW G3x NFC	13.56 MHz +/-7 kHz	7.5 A/m	23
INTTAGEBTP	13.56 MHz	-12.73 dBμA/m	23
INT TAGE NFC, FLAECH TAGE NFC, MINI_TAGE	13.56 MHz	42 dBμA/m	19
FBD4	433 MHz	0.63 mW	10
FBD5, FBD5s	433.2-434.64 MHz	1 mW	10
R-HFA GEN1	77 GHz – 79 GHz	16.9 dBm EIRP	29



Telematics Communication Box

ATM-01 R2/T2- ECE-3G	GSM: 880.2-914.8 MHz	33 dBm	24
	GSM: 1710.2-1784.8 MHz	30 dBm	
	GSM: 824.2-848.8 MHz	33 dBm	
	GSM: 1850.2-1909.8 MHz	30 dBm	
	UMTS: 830.0-840.0 MHz	24 dBm	
	UMTS: 882.4-912.6 MHz	24 dBm	
	UMTS: 1922.4-1977.6 MHz	24 dBm	
	GNSS: 1575.0 MHz		
ATM-01 R2/T2- ECE-4G	GSM: 880.2-914.8 MHz	33 dBm	24
	GSM: 1710.2-1784.8 MHz	30 dBm	
ATM-01 R2/T2- ECE-4GW	UMTS: 882.4-912.6 MHz	24 dBm	24
	UMTS: 1922.4-1977.6 MHz	24 dBm	
	LTE: 791.0-862.0 MHz	23 dBm	
	LTE: 1710.0-1880.0 MHz	23 dBm	
	LTE: 2500.0-2690.0 MHz	23 dBm	
	WIFI: 2400-2483.5 MHz	8 dBm	
	GNSS: 1575.0 MHz		

①	②	③	④
ATM-02 ECE-R1/T1	GSM: 880-915 MHz	33 dBm	24
	GSM: 925-960 MHz	33 dBm	
	GSM: 1710-1785 MHz	30 dBm	
	GSM: 1805-1880 MHz	30 dBm	
	UMTS: 880-915 MHz	24 dBm	
	UMTS: 925-960 MHz	24 dBm	
	UMTS: 1920-1980 MHz	24 dBm	
	UMTS: 2110-2170 MHz	24 dBm	
	LTE: 791-862 MHz	23 dBm	
	LTE: 832-862 MHz	23 dBm	
	LTE: 1710-1785 MHz	23 dBm	
	LTE: 1805-1880 MHz	23 dBm	
	LTE: 2500-2570 MHz	23 dBm	
	LTE: 2620-2690 MHz	23 dBm	
	GNSS: 1575.42 MHz		

①	②	③	④
WAVE-11-HIGH-R2	GSM EGSM 900 Class 4	+33 dBm $\pm$ 2 dB	14
WAVE-11-HAF-R2	GSM GSM 1800 Class 1	+30 dBm $\pm$ 2 dB	14
	GSM GSM 900 8-PSK Class E2	+27 dBm $\pm$ 3 dB	
	GSM GSM 1800 8-PSK Class E2	+26 dBm $\pm$ 3/-4 dB	
	UMTS B1 2100 MHz Class 3	+24 dBm $\pm$ 1/-3 dB	
	UMTS B8 900 MHz Class 3	+24 dBm $\pm$ 1/-3 dB	
	LTE FDD B1 2100 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B3 1800 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B5 850 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B7 2600 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B8 900 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B20 800 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B28 700 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE FDD B32 1500 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE TDD B38 2600 MHz Class 3	+23 dBm $\pm$ 2 dB	
	LTE TDD B40 2300 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n1 2100 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n3 1800 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n5 850 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n7 2600 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n8 900 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n20 800 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n28 700 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n38 2600 MHz Class 3	+23 dBm $\pm$ 2 dB	
	5G n77 3700 MHz Class 3	+23 dBm $\pm$ 2/-3 dB	
	5G n78 3500 MHz Class 3	+23 dBm $\pm$ 2/-3 dB	

①	②	③	④
WAVE-01-LOW-R1 (TL1R22NE, TL1R22NN, TL1R22NR, TL1R22NC)	GSM 900: 880-915 MHz	33.0 dBm	25
	GSM 1800: 1710-1785 MHz	30.0 dBm	
	UMTS FDD 1: 1920-1980 MHz	24.0 dBm	
	UMTS FDD 3: 1710-1785 MHz	24.0 dBm	
WAVE-01-HIGH-R1 (TN1R23NE, TN1R23NN, TN1R23NR, TN1R23NC)	UMTS FDD 8: 880-915 MHz	24.0 dBm	25
	E-UTRA FDD 1: 1920-1980 MHz	23.0 dBm	
	E-UTRA FDD 3: 1710-1785 MHz	23.0 dBm	
	E-UTRA FDD 7: 2500-2570 MHz	23.0 dBm	
WAVE-01-LOW-T1 (TL1T22NE, TL1T22NN, TL1T22NR, TL1T22NC)	E-UTRA FDD 8: 880-915 MHz	23.0 dBm	25
	E-UTRA FDD 20: 832-862 MHz	23.0 dBm	
	E-UTRA FDD 28: 703-748 MHz	23.0 dBm	
	E-UTRA FDD 38: 2570-2620 MHz	23.0 dBm	
WAVE-01-HIGH-T1 (TN1T23NE, TN1T23NN, TN1T23NR, TN1T23NC)	E-UTRA FDD 40: 2300-2400 MHz	23.0 dBm	25
	GNSS: 1559-1610 MHz		



Tire Pressure Monitoring System

TIS-07	433.92 MHz	-17 dBm	10
AG5SP4	433.92 MHz	<10 mW (e.r.p)	26
TSSRE4A	433.92 MHz	<10 mW	27



Wireless Charging

WCH-184	111 MHz	42 dBμA/m	7
WCH-189	111 MHz	42 dBμA/m	7
WCA CS NFC LCI	WPT: 110 kHz	<42 dBμA/m @ 10m	28
	NFC: 13.56 MHz		
WCA Small BMW	96 ± 2 kHz	12,6 W	28
WCA NFC 2.0	126.6 kHz	WPT: -51.65 dBm	10

- 1 ADC Automotive Distance Control Systems GmbH
Peter-Dornier-Straße 10, 88131 Lindau, Germany
<http://continental.automotive-approvals.com/>
- 2 Robert Bosch GmbH
Robert-Bosch-Platz 1, 70839 Gerlingen-Schillerhöhe, Germany
<https://ita.bosch.com>
- 3 APTIV
Am Technologiepark 1, 42119 Wuppertal, Germany
<http://www.aptiv.com/automotive-homologation>
- 4 Fuba Automotive Electronics GmbH
TecCenter, 31162 Bad Salzdetfurth, Germany
<https://www.fuba-automotive.com/en/declaration-of-conformity/>
- 5 Meta System S.p.A.
Via Galimberti 5, 42124 Reggio Emilia, Italy
<http://docs.metasystem.it/>
- 6 Vodafone Automotive SpA
Via Astico 41, 21100 Varese, Italy
<http://automotive.vodafone.com>
- 7 Molex CVS Hildesheim GmbH
Daimlerring 31, D-31135 Hildesheim, Germany
<http://www.molex.com/doc>
- 8 Continental Advanced Antenna GmbH
Roemerring 1, 31137 Hildesheim, Germany
<http://www.continental-homologation.com/>
- 9 Hirschmann Car Communication GmbH
Stuttgarter Str. 45 – 51; 72654 Neckartenzlingen, Germany
<http://www.te.com/hirschmann-mobility/red>
- 10 Continental Automotive Technologies GmbH
Siemensstraße 12, 93055 Regensburg, Germany
<http://continental-homologation.com/bmw>

- 11 LEAR Corporation holding Spain S.L.U.
C/ Fusters, 54 - 43800 Valls (Tarragona), Spain
<https://www.lear.com/products/declaration-of-conformity>

- 12 Flextronics Technologies Mexico S. de R. L. de C.V
Arthur-B.-Modine-Straße 1, 70794 Filderstadt, Germany
<http://www.flex-homologation.com/BMW>

- 13 Visteon Corporation
Van Buren Township, Michigan, USA
<http://www.visteondocs.com/>

- 14 Harman Becker Automotive Systems GmbH
Becker-Goering-Strasse 16, 76307 Karlsbad, Germany
<http://www.harman.com/compliance>

- 15 Olathe AOEM Factory
Garmin International 1100 E 151st St
Olathe KS, 66062, USA
AOEM Factory
Garmin Wroclaw LLC
ul. Ryszarda Chomicza 2, 55-040 Biskupice Podgorne, Poland
<https://www.garmin.com/en-US/legal/compliance/>

- 16 Gentex Corporation
600 North Centennial Street, Zeeland MI 49464, USA
<http://www.homelink.com/regulatory>

- 17 Continental Automotive GmbH
Siemensstraße 12, 93055 Regensburg, Germany
<http://continental-homologation.com/bmw>

- 18 Foxconn Interconnect Technology Limited Taiwan Branch
No. 66-1, Zhongshan Rd., Tucheng Dist., New Taipei City 23680, Taiwan (R.O.C.)
<https://www.fit-foxconn.com/mainssl/modules/MySpace/index.php?sn=fit&pg=ZC10225>

- 19 Huf Hülsbeck & Fürst GmbH & Co. KG
Steeger Str. 17 42551 Velbert, Germany
<http://www.huf-group.com/eudoc>

- 20 Valeo Comfort and Driving Assistance
6, rue Daniel Constantini 94000 Créteil - France
<http://www.valeo.com/declaration-of-conformity/>
-
- 21 HELLA GmbH & Co. KGaA
Rixbecker Straße 75, 59552 Lippstadt, Germany
www.hella.com/bmw
-
- 22 Marquardt GmbH
Schloßstraße 16, 78604 Rietheim-Weilheim, Germany
<http://www.marquardt.com/doc>
-
- 23 WITTE Automotive; WITTE Velbert GmbH & Co. KG
Höferstraße 3-15, 42551 Velbert, Germany
<http://www.witte-automotive.com/conformity>
-
- 24 Valeo Telematik und Akustik GmbH
Max-Planck-Straße 28-32 61381 Friedrichsdorf; Germany
<http://valeo-clientportal.com>
-
- 25 LG Electronics
Krijgsman 1, 1186 DM Amstelveen, The Netherlands
<http://www.lg.com/global/support/cedoc/cedoc#>
-
- 26 Schrader Electronics Ltd.
11 Technology Park, Belfast Road, Antrim BT41 1QS, Northern Ireland, United Kingdom
http://www.tpmseuroshop.com/documents/declaration_conformities
-
- 27 Huf Baolong Electronics Bretten GmbH
Gewerbestr. 40, 75015 Bretten, Germany
<http://www.huf-group.com/eudoc>
-
- 28 BURY Sp. z o.o.
Wojska Polskiego 4, 39-300 Mielec, Poland
http://www.bury.com/documents/10-2021-1_0854_061-BMW-WCA_CS_NFC_LCI_signed.pdf
http://www.bury.com/documents/06-2019_M854_14_-_WCA_Small_BMW.PDF
-

29 Brose Fahrzeugteile SE & Co. KG
Berliner Ring 1, 96052 Bamberg, Germany
<https://www.brose.com/de-de/produkte/ce-bmw-r-hfa-gen1.html>

30 ALPSALPINE EUROPE GmbH
Ohmstrasse 4, D-85716 Unterschleissheim, Germany
<https://www.alpine.com/e/research/doc/>



Jeter cette notice d'utilisation dans le
conteneur prévu à cet effet.



01405B39D83

01405B39D83

