

EC/EEA DECLARATION OF CONFORMITY



The undersigned, representing the following manufacturer:

NAME: Tele Radio AB
ADDRESS: Datavägen 21, SE-436 32 Askim, SWEDEN
TELEPHONE NO: +46-31-7485460 WEBSITE: www.tele-radio.com



This declaration of conformity is issued under the sole responsibility of the manufacturer

Product type Model
Radio receiver unit PNT-R1911¹

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

2014/53/EC Radio Equipment Directive
2011/65/EC Restriction of Hazardous Substances Directive

Harmonised standards applied:

EN 300 328V2.1.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.
Draft EN 301 489-1 V2.2.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1 (b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU.
Draft EN 301 489-17 V3.2.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1 (b) of Directive 2014/53/EU.
EN 60950-1:2006 + A1:2009 + A1:2010 + A12:2011 + A2:2013	Information technology equipment - Safety - Part 1: General requirements.
EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).
EN 50581:2011	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

1) Software allowing the product to function as intended: SW0028-01

Authorized to compile technical file:

NAME: Jesper Ribbe
ADDRESS: Same as manufacturer

Askim, May 23rd, 2017

p.p.


Jesper Ribbe
Research & Development Manager, Tele Radio AB

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TELEPHONE NO: +46-31-7485460 WEBSITE: www.tele-radio.com



This declaration of conformity is issued under the sole responsibility of the manufacturer

Product type Model
Radio transmitter unit PNT-T2162, PNT-T2183¹

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

2014/53/EC Radio Equipment Directive
2011/65/EC Restriction of Hazardous Substances Directive

Harmonised standards applied:

EN 300 328 V2.1.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU.
Draft EN 301 489-1 V2.2.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU.
Draft EN 301 489-17 V3.2.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU.
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013	Information technology equipment - Safety - Part 1: General requirements.
EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).
EN 50581:2011	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

1) Software allowing the product to function as intended: SW0014-23

Authorized to compile technical file:

NAME: Jesper Ribbe
ADDRESS: Same as manufacturer

Askim, May 23rd, 2017

p.p.


Jesper Ribbe
Research & Development Manager, Tele Radio AB


EU-DECLARATION OF CONFORMITY

DE EU-KONFORMITÄTSERKLÄRUNG/ **FR** DÉCLARATION DE CONFORMITÉ UE/ **EL** ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ/ **BG** ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ/ **CS** ES PROHLÁŠENÍ O SHODĚ/ **DA** EU-OVERENSSTEMMELSESERKLÆRING/ **ET** EI VASTAVUSDEKLARATIOON/ **ES** DECLARACIÓN UE DE CONFORMIDAD/ **FI** EU-VAAITIMUSTENMUKAISUUSVAKUUTUS/ **HR** EU IZJAVA O SUKLADNOSTI/ **HU** EU MEGFELELŐSÉGINYILATKOZAT/ **IT** DICHIARAZIONE DI CONFORMITÀ UE/ **LT** ES ATITIKTIES DEKLARACIJA/ **LV** ES ATBILSTĪBAS DEKLARĀCIJA/ **MT** STQARRIJA TAL-U. E. TA' KONFORMITÀ/ **NL** EU-CONFORMITEITSVERKLARING/ **PL** DEKLARACJA ZGODNOŚCI UE/ **PT** DECLARAÇÃO DE CONFORMIDADE UE/ **RO** DECLARAȚIA DE CONFORMITATE UE/ **SV** EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE/ **SL** EU IZJAVA O SKLADNOSTI/ **SK** ES VYHLÁSENIE O ZHODE/ **IS** ESB-SAMRÆMISYFIRLÝSING/ **NO** EU-SAMSVARERKLÆRING

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We declare under our sole responsibility that our product,

DE Wir erklären hiermit in alleiniger Verantwortung, dass unser Erzeugnis,/ **FR** Nous prenons l'entière responsabilité de déclarer que notre produit,/ **EL** Με την παρούσα δηλώνουμε αποκλειστική ευθύνη ότι το προϊόν μας/ **BG** Ние декларираме с това, с пълна отговорност, че нашият продукт/ **CS** Tímto prohlašujeme na svou výlučnou odpovědnost, že náš výrobek/ **DA** Som eneansvarlige erklærer vi hermed, at vores produkt/ **ET** Me kinnitame ja kanname ainuisikulist vastutust, et meie toode/ **ES** Declaramos bajo nuestra exclusiva responsabilidad que nuestro producto/ **FI** Vakuutamme täten omalla vastuullamme, että tuotteemme/ **HR** S punom odgovornošću izjavljujemo kako naš proizvod/ **HU** Egyedüli felelősséggel kijelentjük, hogy termékünk, a(z)/ **IT** Dichiariamo sotto la nostra esclusiva responsabilità che il nostro prodotto./ **LT** Mes atsakingai pareiškiamo, kad mūsų gaminys/ **LV** Mēs, saskaņā ar savu atbildību, atzīstam, ka mūsu izstrādājums/ **MT** Niddikjaraw taht ir-responabbiltà assoluta tagħna li l-prodott tagħna/ **NL** Hierbij verklaren wij onder onze exclusieve verantwoordelijkheid dat ons product/ **PL** Oświadczamy z pełną odpowiedzialnością, że nasz produkt/ **PT** Declaramos sob a nossa responsabilidade exclusiva que o nosso produto./ **RO** Prin prezenta declarăm pe proprie răspundere, că produsul nostru/ **SV** Härmed försäkrar vi på eget ansvar att vår produkt/ **SL** S tem v ekskluzivni odgovornosti izjavljamo, da naš proizvod/ **SK** Týmto vyhlasujeme na svoju výlučnú zodpovednosť, že náš výrobok/ **IS** Við lýsum því hér með yfir með fullri eigin ábyrgð að varan,/ **NO** Vi erklærer hermed på eget ansvar at produktet vårt

Model name	
DE Modellname / FR Nom du modèle/ EL Όνομα μοντέλου/ BG Име на модел/ CS Název modelu/ DA Modelnavn/ ET Mudel nimi/ ES Nombre del modelo/ FI Mallin nimi/ HR Naziv modela/ HU Modellnév/ IT Nome del modello/ LT Modelio pavadinimas/ LV Modeļa nosaukums/ MT Isem tal-mudell/ NL Modelnaam/ PL Nazwa modelu/ PT Nome do modelo/ RO Denumirea modelului/ SV Modellnamn/ SL Ime modela/ SK Názov modelu/ IS Heiti gerðar/ NO Modellnavn	Scania TIP

Type of device
DE Geräteart/ FR Type d'appareil/ EL Τύπος συσκευής/ BG Вид на уреда/ CS Typ zařizení/ DA Enhedstype/ ET Seadme tüüp/ ES Tipo de dispositivo/ FI Laitetyyppi/ HR Vrsta uređaja/ HU Készüléktípus/ IT Tipo di dispositivo/ LT Įrenginio tipas/ LV Ierīces veids/ MT Tip ta tagħmir/ NL Type apparaat/ PL Typ produktu/ PT Tipo de equipamento/ RO Tipul de aparat/ SV Typ av enhet/ SL Tip naprave/ SK Typ zariadenia/ IS Tegund tækis/ NO Type enhet
Car stereo head unit
DE Autoradio/ FR Autoradio/ EL Κεντρική μονάδα στερεοφωνικού ηχοσυστήματος αυτοκινήτου/ BG Радио за автомобил/ CS Autorádio/ DA Bilradio/ ET Auto stereo-juhtseade/ ES Radio del coche/ FI Autoradio/ HR Automobilski radiouređaj/ HU Autórádió/ IT Autoradio/ LT Automobilio stereofoninė įranga/ LV Automašīnas stereo audio atskaņotājs/ MT Unità tal-kappa tal-istereo tal-vettura/ NL Autoradio/ PL Radio samochodowe/ PT Autorrádio/ RO Radio auto/ SV Bilradio huvudenhet/ SL Avtoradio/ SK Autorádio/ IS Bílútlvarp/ NO Bilstereo
Features
DE Funktionen/ FR Fonctions/ EL Λειτουργίες/ BG Функции/ CS Funkce/ DA Funktioner/ ET Funktsioonid/ ES Funciones/ FI Toiminnot/ HR Funkcije/ HU Funkciók/ IT Funzioni/ LT Savybės/ LV Funkcijas/ MT Karatteristiċi/ NL Functies/ PL Funkcje/ PT Funções/ RO Funcțiile/ SV Funktioner/ SL Funkcije/ SK Funkcie/ IS Eiginleikar/ NO Funksjoner
Bluetooth®, GPS, Tuner, USB (for service only)
Other accessories
EN Zubehör/ FR Accessoires/ EL Παρελκόμενα/ BG Принадлежности/ CS Příslušenství/ DA Tilbehør/ ET Lisatarvikud/ ES Accesorios/ FI Lisävarusteet/ HR Pribor/ HU Tartozékok/ IT Accessori/ LT Priedai/ LV Piederumi/ MT Aċċessorji/ NL Accessoires/ PL Akcesoria/ PT Acessórios/ RO Accesorii/ SV Tillbehör/ SL Pribor/ SK Príslušenstvo/ IS Fylgihlutir/ NO Tilbehør
-
Hardware version
DE Hardwarestand/ FR Version du matériel/ EL Έκδοση υλικού/ BG Версия на хардуера/ CS Verze hardwaru/ DA Hardware-version/ ET Riistvaraversioon/ ES Versión de hardware/ FI Laitteistoversio/ HR Verzija hardvera/ HU Hardver verzió/ IT Versione hardware/ LT Aparatinės įrangos versija/ LV Aparatūras versija/ MT Verżjoni ta' Hardwer/ NL Hardware-versie/ PL Wersja hardware/ PT Versão do hardware/ RO Versiunea hardware/ SV Maskinvaruversion/ SL Različica računalniške opreme/ SK Verzia hardvéru/ IS Útgáfa vélbúnaðar/ NO Maskinwareversjon
1941
Software version
DE Softwarestand/ FR Version du logiciel/ EL Έκδοση λογισμικού/ BG Версия на софтуера/ CS Verze softwaru/ DA Software-version/ ET Tarkvaraversioon/ ES Versión de software/ FI Ohjelmistoversio/ HR Verzija softvera/ HU Szoftver verzió/ IT Versione software/ LT Programinės įrangos versija/ LV Programmatūras versija/ MT Verżjoni ta' softwer/ NL Software-versie/ PL Wersja software/ PT Versão do software/ RO Versiunea software/ SV Programvaruversion/ SL Različica programske opreme/ SK Verzia softvéru/ IS Útgáfa hugbúnaðar/ NO Programwareversjon
12.11

Notified body
<p>DE Notifizierte Stelle/ FR Service notifié/ EL Κοινοποιημένος οργανισμός/ BG Нотифициран орган/ CA Notifikovaný orgán/ DA Notificeret organ/ ET Teavitatud asutus/ ES Organismo notificado/ FI Ilmoitettu laitos/ HR Prijavljeno tijelo/ HU Bejelentett szervezet/ IT Organismo notificato/ LT Paskelbtoji įstaiga/ LV Pilnvarotā iestāde/ MT L-awtorità notifikata/ NL Ingelichte instantie/ PL Nazwa jednostki notyfikowanej/ PT Organismo notificado/ RO Autoritatea notificată/ SV Notificerat organ/ SL Notificirano mesto/ SK Notifikovaný orgán/ IS Tilkynt stofa/ NO Teknisk kontrollorgan</p>
<p>PHOENIX TESTLAB GmbH Königswinkel 10 D-32825 Blomberg, Germany</p> <p>EU Identification Number 0700 EU Type Examination Number:17-111320 Date: 2017-06-14</p>

when used as intended, complies with the following essential protection requirements:

DE bei bestimmungsgemäßer Verwendung den folgenden grundlegenden Schutzanforderungen entspricht:/ **FR** sous réserve d'utilisation conforme, remplit les exigences de protection essentielles suivantes:/ **EL** όταν χρησιμοποιείται με τον προβλεπόμενο τρόπο, ανταποκρίνεται στις παρακάτω βασικές απαιτήσεις προστασίας:/ **BG** при използване съгласно предназначението отговаря на следните основни изисквания за защита:/ **CS** odpovídá při správném použití následujícím základním požadavkům na bezpečnost:/ **DA** svarer til følgende grundlæggende beskyttelseskrav ved formålsbestemt anvendelse:/ **ET** otstarbekohasel kasutamisel vastab järgmistele olulistele kaitsenõuetele:/ **ES** en las condiciones previstas de utilización, cumple con los siguientes requisitos esenciales de seguridad:/ **FI** vastaa seuraavia perusluonteisia suojavaatimuksia, kun sitä käytetään käyttötarkoituksen mukaisella tavalla:/ **HR** ako se koristi u skladu s namjenom, odgovara temeljnim zahtjevima zaštite:/ **HU** rendeltetésszerű használat esetén megfelel a következő alapvető védelmi követelményeknek:/ **IT** quando viene usato conformemente alla sua destinazione, soddisfa i seguenti requisiti essenziali di protezione:/ **LT** naudojant pagal paskirtį atitinka šiuos esminius apsaugos reikalavimus:/ **LV** lietojot atbilstoši paredzētajam, atbilst šādām būtiskajām aizsardzības prasībām:/ **MT** meta jintuża skont kif suppost, jkun konformi mar-rekwiziti neċessarji meħtieġa:/ **NL** bij gebruik volgens de beoogde toepassing voldoet aan de volgende fundamentele beveiligingseisen:/ **PL** o ile jest wykorzystany zgodnie z przeznaczeniem, spełnia następujące wymagania dotyczące bezpieczeństwa:/ **PT** quando utilizado em conformidade com o fim a que se destina, cumpre os seguintes requisitos de proteção essenciais:/ **RO** în cazul unei utilizări conforme cu destinația, corespunde următoarelor cerințe fundamentale de protecție:/ **SV** uppfyller följande grundläggande skyddskrav vid avsedd användning:/ **SL** pri uporabi, ki je skladna s predpisi, ustreza naslednjim osnovnim varnostnim zahtevam:/ **SK** zodpovedá pri správnom použití nasledujúcim základným požiadavkám na bezpečnosť:/ **IS** uppfyllir við rétta notkun eftirfarandi grundvallar öryggiskröfur:/ **NO** oppfyller følgende grunnleggende beskyttelseskrav ved bruk etter bestemmelsene:

**Directive
2014/53/EU**

DE Richtlinie / **FR** Directive/ **EL** Οδηγία/ **BG** Директива/ **CS** Směrnice/ **DA** Direktiv/ **ET** Direktiv/ **ES** Directiva/ **FI** Direktiivi/ **HR** Smjernica/ **HU** Irányelv/ **IT** Direttiva/ **LT** Direktyva/ **LV** Direktīva/ **MT** Direttiva/ **NL** Richtlijn/ **PL** Dyrektywa/ **PT** Diretiva/ **RO** Directiva/ **SV** Direktiv/ **SL** Smernica/ **SK** Smernica/ **IS** Tilskipun/ **NO** Direktiv

(2014/53/EU; 2014/53/EL; 2014/53/UE; 2014/53/EC; 2014/53/EE; 2014/53/ES; 2014/53/EU)

The following standards were applied when carrying out the conformity assessment:

DE Es wurden zur Beurteilung der Konformität die folgenden Normen herangezogen:/ **FR** L'évaluation de conformité a été effectuée sur la base des normes suivantes:/ **EL** Για την αξιολόγηση της συμμόρφωσης εφαρμόστηκαν τα παρακάτω πρότυπα:/ **BG** За оценка на съответствието са използвани следните норми:/ **CS** K posouzení shody byly použity následující normy:/ **DA** Der er benyttet følgende standarder til bedømmelse af konformiteten:/ **ET** Vastavushindamise läbiviimisel rakendati järgmisi standardeid:/ **ES** La evaluación de la conformidad se ha basado en las siguientes normas:/ **FI** Vaatimustenmukaisuuden arvioinnissa on sovellettu seuraavia standardeja:/ **HR** Pri ocjenjivanju sukladnosti primijenjene su sljedeće norme:/ **HU** A megfelelőség értékeléséhez a következő szabványok kerültek alkalmazásra:/ **IT** Nelle procedure di valutazione della conformità sono stati applicati i seguenti principi:/ **LT** Vykdanat atitikties vertinimą buvo taikomi šie standartai:/ **LV** Veicot atbilstības izvērtējumu, tika izmantoti šādi standarti:/ **MT** L-istandards li ġejjin kienu applikati waqt il-valutazzjoni ta' konformità:/ **NL** Ter beoordeling van de conformiteit zijn de volgende normen gehanteerd:/ **PL** Niniejsza deklaracja zgodności została wystawiona z uwzględnieniem następujących norm:/ **PT** As seguintes normas foram aplicadas para avaliação da conformidade:/ **RO** Pentru evaluarea conformității au fost utilizate următoarele norme:/ **SV** Följande standarder tillämpades för bedömning av konformiteten:/ **SL** Pri presoji skladnosti so bile izvedene naslednje norme:/ **SK** Na posúdenie zhody boli použité nasledujúce normy:/ **IS** Við samræmismatið var miðað við eftirtalda staðla:/ **NO** Følgende standarder er brukt for å vurdere konformiteten:

Standard	Title	Article
EN 60950-1:2006 +A11:2009+A1:2010 +A12:2011+AC:2011 +A2:2013	Information technology equipment Safety - Part 1: General requirements Report: G0M-1112-1627-SE001X-V01 ***_Safety.pdf	3.1a
EN 62479: 2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) Report: 7620000074_hel_42_***_mit_BT.pdf	3.1a
EN 55020:	 Report: S2241_CE EMC_0.pdf Report: G0M-1112-1627-ES02-V01 *** CE_EM C Test 33-50 + 53-66.pdf	3.1b
EN 55024:2010	Information technology equipment - Immunity characteristics - Limits and methods of measurement Report: G0M-1112-1627-ES02-V01 *** CE_EM C Test 33-50 + 53-66.pdf	3.1b
EN 55032:2015	Information technology equipment - Radio disturbance characteristics – Limits and methods of measurement Report: G0M-1112-1627-ES02-V01 *** CE_EM C Test 33-50 + 53-66.pdf	3.1b
EN 301 489-17 V3.2.0	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU Report: U4137_CE EMC_0_signed.pdf Report: G0M-1112-1627-ES02-V01 *** CE_EM C Test 33-50 + 53-66.pdf	3.1b



Standard	Title	Article
EN 301 489-19 V2.1.0	Electro-magnetic Compatibility (EMC) standard for radio equipment and services; Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data Report: U4137_CE EMC_0_signed.pdf Report: G0M-1112-1627-ES02-V01 *** CE_EMC Test 33-50 + 53-66.pdf	3.1b
EN 300 440 V2.1.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive Report: G0M-1112-1627-ES03-V01 *** Radio Test 51-52+68-76.pdf	3.2
EN 300 328 V2.1.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU Report: U4137_CE_RADIO_0.pdf Report: G0M-1112-1627-ES03-V01 *** Radio Test 51-52+68-76.pdf	3.2
EN 303 345 V1.1.7	Broadcast Sound Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU Report: U4137_CE_RADIO_0.pdf	3.2

Assessment	Risk_Assessment_RED_***_s.pdf
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Hildesheim, 2017-06-16

Ersteller: CM/QMM2-
EMV-Dargel

 Dr. Sven Ost
 Executive Vice President