



Annex A – Regulatory Information

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Scope

This document provides compliance information for the Tranzeo Wireless Technologies TR-5a-C product line that is relevant to the European Union and other countries that have implemented the EU Directive 1999/5/EC

The information herein is only applicable to the TR-54-19C and TR-54-NC 5 GHz Wireless Network Adapters.

Product Description

The TR-54-C series is an 802.11a compliant wireless network adapter. This equipment operates in the 5250-5725 MHz frequency range. National regulations may require that operations be limited to portions of the frequency range. See the “National Restrictions” section on page 4 for complete details.

Declaration of Conformity with Regard to the EU Directive 1999/5/EC (R&TTE Directive)

Česky [Czech]	<i>[Jméno výrobce]</i> tímto prohlašuje, že tento <i>[typ zařízení]</i> je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Dansk [Danish]	Undertegnede <i>[fabrikantens navn]</i> erklærer herved, at følgende udstyr <i>[udstyrets typebetegnelse]</i> overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
Deutsch [German]	Hiermit erkläre <i>[Name des Herstellers]</i> , dass sich das Gerät <i>[Gerätetyp]</i> in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
Eesti [Estonian]	Käesolevaga kinnitab <i>[tootja nimi = name of manufacturer]</i> seadme <i>[seadme tüüp = type of equipment]</i> vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
English	Hereby, <i>[name of manufacturer]</i> , declares that this <i>[type of equipment]</i> is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Español [Spanish]	Por medio de la presente <i>[nombre del fabricante]</i> declara que el <i>[clase de equipo]</i> cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ <i>[name of manufacturer]</i> ΔΗΛΩΝΕΙ ΟΤΙ <i>[type of equipment]</i> ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.
Français [French]	Par la présente <i>[nom du fabricant]</i> déclare que l'appareil <i>[type d'appareil]</i> est conforme aux exigences essentielles et aux autres dispositions pertinentes de

	la directive 1999/5/CE.
Italiano [Italian]	Con la presente <i>[nome del costruttore]</i> dichiara che questo <i>[tipo di apparecchio]</i> è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Latviski [Latvian]	Ar šo <i>[name of manufacturer / izgatavotāja nosaukums]</i> deklarē, ka <i>[type of equipment / iekārtas tips]</i> atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
Lietuvių [Lithuanian]	Šiuo <i>[manufacturer name]</i> deklaruoja, kad šis <i>[equipment type]</i> atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Nederlands [Dutch]	Hierbij verklaart <i>[naam van de fabrikant]</i> dat het toestel <i>[type van toestel]</i> in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
Malti [Maltese]	Hawnhekk, <i>[isem tal-manifattur]</i> , jiddikjara li dan <i>[il-mudel tal-prodott]</i> jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Dirrettiva 1999/5/EC.
Magyar [Hungarian]	Alulírott, <i>[gyártó neve]</i> nyilatkozom, hogy a <i>[... típus]</i> megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
Português [Portuguese]	<i>[Nome do fabricante]</i> declara que este <i>[tipo de equipamento]</i> está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Slovensko [Slovenian]	<i>[Ime proizvajalca]</i> izjavlja, da je ta <i>[tip opreme]</i> v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
Slovensky [Slovak]	<i>[Meno výrobcu]</i> týmto vyhlasuje, že <i>[typ zariadenia]</i> spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Suomi [Finnish]	<i>[Valmistaja = manufacturer]</i> vakuuttaa täten että <i>[type of equipment = laitteen tyyppimerkintä]</i> tyypinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Svenska [Swedish]	Härmed intygar <i>[företag]</i> att denna <i>[utrustningstyp]</i> står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Íslenska [Icelandic]	Hér með lýsir <i>[name of manufacturer]</i> yfir því að <i>[type of equipment]</i> er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.
Norsk [Norwegian]	<i>[Produsentens navn]</i> erklærer herved at utstyret <i>[utstyrets typebetegnelse]</i> er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

The following standards were applied during the assessment of the product against the requirements of the Directive 1999/5/EC:

Radio: EN 301 893

EMC: EN 301 489-1 and EN 301 489-17

Safety: EN 60950

The following CE mark and Class 2 identifier is affixed to the Tranzeo TR-54-19C and TR-54-NC Wireless LAN adapters



Complete copies of the Declaration of Conformity may be obtained by contacting Tranzeo Wireless Technologies directly:

Tranzeo Wireless Technologies Inc.
20155 Stewart Cres.
Maple Ridge BC
Canada V2X 0T6
(604) 460-6002

National Restrictions

The device may only be used in the member states listed below and in accordance with the indicated output power and usage requirements.

The limits below are fixed EIRP limits. The EIRP of the device is calculated by adding the power output in dBm (P) to the directional gain of the antenna in dBi (G):

$$\text{EIRP} = P + G$$

For example, if a TR-54-19C unit is deployed in the UK the power must be reduced by 9 dB from peak output (18 dBm) to operate within the specified 1 Watt (30 dBm) EIRP limit. In this case:

$$\begin{aligned} \text{EIRP} &= 11 \text{ (output power reduced by 5)} + 19 \text{ (gain of antenna in dBi)} \\ \text{EIRP} &= 30 \end{aligned}$$

802.11a devices									
Country	Band	Lowest operating freq.	Highest operating freq.	Maximum output power (EIRP)	TPC	DFS	Indoor	Outdoor	Comments
Denmark	2	5250.00	5350.00	200 mW	Yes	Yes	Yes	No	
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	
France	1&2	5250.00	5350.00	200 mW	Yes	Yes*	Yes	No	*The spreading requirement of 330MHz is not fulfilled
	3	5470.00	5725.00	Not allowed	Not allowed	Not allowed	Not allowed	Not allowed	
Germany	1&2	5250.00	5350.00	200 mW	Yes	Yes	Yes	No	
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	
Italy	1&2	5150.00	5350.00	200 mW	Yes	Yes	Yes	No	General authorization required if used outdoors
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	Same as above
Netherlands	1&2	5250.00	5350.00	200 mW	Yes	Yes	Yes	Yes	
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	
Poland	1&2	5250.00	5350.00	Not allowed	Not allowed	Not allowed	Not allowed	Not allowed	Implementation planned
	3	5450.00	5725.00	Not allowed	Not allowed	Not allowed	Not allowed	Not allowed	Same as above
Romania	1&2	5250.00	5350.00	Not allowed	Not allowed	Not allowed	Not allowed	Not allowed	
	3	5450.00	5725.00	Not allowed	Not allowed	Not allowed	Not allowed	Not allowed	
Sweden	1&2	5250.00	5350.00	200 mW	Yes	Yes	Yes	No	
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	
UK	1&2	5250.00	5350.00	120 mW	Yes	No	Yes	No	
	1&2	5250.00	5350.00	200 mW	Yes	Yes	Yes	No	
	3	5470.00	5725.00	1 W	Yes	Yes	Yes	Yes	



**Declaration of Conformity with regard to the R&TTE
Directive 1999/5/EC**

We,

**Tranzeo Wireless Technologies Inc.
20155 Stewart Cres.
Maple Ridge BC
Canada V2X 0T6**

declare under our sole responsibility that the product

**TR-54-19C Wireless Network Adapter
TR-54-NC Wireless Network Adapter**

To which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EMC: EN 301 489-1 v1.4.1:2002-08; EN 301 489-17v1.2.1:2002-04

Safety: EN 60950:2000

Radio: EN 301 893 v1.2.3:2003-08

The conformity assessment procedure referred to in Article 10.4 and Annex III of Directive 1999/5/EC has been followed.

The product carries the CE Mark:



1 March 2005, Maple Ridge

David Marles
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