

## Certifikat o pregledu tipa

*Type-examination certificate*

Broj / No: **RED 80170008**

**Proizvod:** Uređaj za praćenje i kontrolu malih motornih plovila  
*Product:* (Monitoring and controlling personal watercraft)

**Tip/model:** YV1  
*Type/model*

**Podnositelj zahtjeva:** OTOTRAK d.o.o.  
*Applicant:* Trg Ante Starčevića 4, 51512 Njivice

**Proizvođač:** OTOTRAK d.o.o.  
*Manufacturer:* Trg Ante Starčevića 4, 51512 Njivice

**Primijenjene norme:** EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013  
*Related standards:* EN 62311:2008  
Draft ETSI EN 301 489-1 V2.2.0 (2017)  
Draft ETSI EN 301 489-52 V1.1.0 (2016)\*  
ETSI EN 301 489-7 V1.3.1 (2005)  
Draft ETSI EN 301 489-3 V2.1.1 (2017)  
EN 301 511 V12.5.1:2017

**Broj izvještaja prijavljenog tijela:** 80170008RED  
*Notified Body Evaluation Report No:*

### ZAKLJUČAK:

Nakon pregleda tehničke dokumentacije pripremljene od strane proizvođača, KONČAR-Institut za elektrotehniku d.d. potvrđuje da dokumentacija demonstrira ispunjenje zahtjeva, uključujući bitne zahtjeve prema članku 3.1.a, članku 3.1.b i članku 3.2., Direktive o radijskoj opremi (2014/53/EU). Ocjena sukladnosti gore navedene radijske opreme, kao što je i opisano u Izvještaju o ocjenjivanju sukladnosti br. 80170008RED, provedena je u skladu sa Dodatkom III, Modulom B Direktive o radijskoj opremi (2014/53/EU). Ovaj EU-Certifikat o pregledu tipa odnosi se samo na dokumente dostavljene KONČAR-Institutu za elektrotehniku d.d. i koji su navedeni u Izvještaju o ocjenjivanju sukladnosti br. 80170008RED.

### CONCLUSION:

After the examination of the technical documentation as drawn up by the manufacturer, KONČAR-Electrical Engineering Institute Inc. confirms that the documentation demonstrates that the requirements, including the essential requirements of Article 3.1.a, Article 3.1.b and Article 3.2. of Radio equipment directive (2014/53/EU) have been met. The conformity assessment on the radio equipment listed above and as described in Evaluation report No. 80170008RED has been carried out in accordance with Annex III, Module B of Radio equipment directive (2014/53/EU). This EU-type examination certificate relates only to the documents submitted to KONČAR-Electrical Engineering Institute Inc. and described in Evaluation Report No. 80170008RED.

### Rok valjanosti:

*Period of validity:*

21.11.2020.

### Mjesto i datum:

*Place and date:*

Croatia, Zagreb, 22.11.2017.

Ocjenitelj  
Assessor

Saša Gros, dipl.inž.

KONČAR-Institut za  
elektrotehniku d.d.  
ZAGREB 12

Upravitelj SCERT-a  
Head of SCERT Department

Sanda Kozlik, dipl.ing., MBA

\*nije u akreditaciji ( not accredited )

NB 2494

**Izveštaj o ocjenjivanju sukladnosti**  
*Notified Body evaluation report***Broj / No: 80170008RED****Prema zahtjevu:** Annex III of Directive 2014/53/EU  
**According to:**

<b>Proizvod:</b> <i>Product:</i>	Uređaj za praćenje i kontrolu malih motornih plovila (Monitoring and controlling personal watercraft)
<b>Tip/model:</b> <i>Typemodel:</i>	YV1
<b>Proizvođač:</b> <i>Manufacturer:</i>	OTOTRAK d.o.o., Trg Ante Starčevića 4, 51512 Njivice

The device under evaluation was a Sierra Wireless Inc. It used 4 bands 2G LGA module, GSM/GPRS technology in the 900 MHz and 1800MHz

Details of radio specifications:

- GSM/GPRS module model: HI6528-G2.8V  
Manufacturer: Sierra Wireless Inc., Canada  
Intended Use/Category: EGSM900  
Frequency range: 880 - 915 MHz  
Receive frequency: 1710 - 1785 MHz  
RF output power: 32,32 dBm,  
Modulation: GMSK
- Intended Use/Category: DCS1800  
Frequency range: 880 - 915 MHz  
Receive frequency: 1710 - 1785 MHz  
RF output power: 28,35 dBm,  
Modulation: GMSK

**Ocjena dostavljene tehničke dokumentacije**  
*Evaluation of submitted technical documentation*

<b>Bitni zahtjevi</b> <i>Essential requirements</i>	<b>Norme</b> <i>Standards</i>	<b>Dokazi</b> <i>Evidence</i>	<b>Rezultat</b> <i>Result</i>
Article 3.1 a) Health & safety requirements	EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013 EN 62311:2008	Test Report: 21583SIG17008, 27.04.2017. KONČAR-Electrical Engineering Institute	Compliant
Article 3.1 b) EMC requirements	Draft ETSI EN 301 489-1 V2.2.0:2017 Draft ETSI EN 301 489-17 V3.2.0:2017 Draft ETSI EN 301 489-52 V1.1.0:2016 Draft ETSI EN 301 489-3 V2.1.1:2017	Test Report: 21583EMC17015_A1, 15.05.2017. KONČAR-Electrical Engineering Institute	Compliant
Article 3.2 The efficient use of radio spectrum	EN 301 511 V12.5.1:2017	Test Report: 21583SIG17008, 27.04.2017. KONČAR-Electrical Engineering Institute Statement of Opinion: TCF-518CC14 TIMCO Engineering, Inc. P.O. box 370, Newberry, FL32669	Compliant



<b>Dokument(i)</b> <i>Part of documentation</i>	<b>Dokazi</b> <i>Evidence</i>	<b>Napomena</b> <i>Comment</i>
A general description of product	Technical Construction file No. 2111017	OK
Drawings and schemes	Technical Construction file No. 2111017	OK
List of critical components	Technical Construction file No. 2111017	OK
Installation manual	Technical Construction file No. 2111017	
Software version(s)	Sierra Wireless Inc. SW:HL6N,001.00 (SVN:01) OTOTRAK d.o.o. V4.0X	OK

**Mjesto i datum:**  
*Place and date:*

Croatia, Zagreb, 22.11.2017.

**Ocjenitelj:**  
*Assessor*

Saša Gros, B.Sc.E.E.

KONČAR - Institut za  
elektrotehniku d. d.  
ZAGREB 12