EU – TYPE EXAMINATION CERTIFICATE
RADIO EQUIPMENT DIRECTIVE 2014/53/EU
Annex III Module B

MANUFACTURER

Name	:	Shenzhen Reachfar Technology Co.,Ltd.
Address	:	501, Building A, No. 86 of Longsheng Village, Longfeng Rd1, Longyuan Community, Longhua Street, Longhua District, Shenzhen City.
Contact Name & Title	:	Nie huiyong, CEO
Phone number & Email	:	+86-755-83244037, niehuiyong@rf-gsm.com

PRODUCT DESCRIPTION

Trademark/Trade Name	:	REACHFAR
Model Number	:	V22, V23, V24, V43, V44, V45, V46, V47, V48, V50, V34, V30, V20, V49
Product Description	:	4G Tracker

TECHNICAL DOCUMENTATION

Identification	:	V43_Schematics, V43_BlockDiagram, V43_OperationalDesription, V43_UserManual, V43_BOM, V43_PCBLayout&PartPlacement, V43_RiskAssessment, V43_ANNEX_EUT Label & Photos, V43_DOC		
Signed by (Name & Title)	:	Nie Hui yong	Date :	June 13, 2019
Company Name	:	Shenzhen Reachfar Technology Co.,Ltd.		

NOTIFIED BODY

Certificate issued by	:	Notified Body 1177, TIMCO Engineering, Inc.		
Certificate number	:	TCF-1541CC19		
Name and Signature	:	Bruno Clavier	Date :	June 21, 2019

The device shall be marked as follows: CE

Based on the evidence presented in the Technical Documentation, TIMCO Engineering, Inc., as appointed Notified Body, has issued this EU-Type Examination Certificate in accordance with Annex III Module B. The product described appears to be in conformity with the essential requirements Article 3.1(a), 3.1(b), and 3.2 of RED 2014/53/EU. This certificate is only valid in conjunction with the related Evaluation Report. This certificate is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the conformity of the apparatus with the essential requirements of this Directive or the conditions for validity of that certificate, whichever comes first.

TIMCO ENGINEERING, INC.
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EU – TYPE EXAMINATION CERTIFICATE
ANNEX 1
TCF-1541CC19

Date: June 21, 2019

PRODUCT SPECIFICATIONS

Intended Use / Category	:	GSM, GPRS, EDGE
RF output power	:	GSM900: 32.06dBm, GSM1800: 29.20dBm EDGE900: 24.40dBm, EDGE1800: 24.76dBm (Conducted)
Frequency range (MHz)	:	GSM900: Tx: 880-915MHz, Rx: 925-960MHz DCS1800: Tx: 1710-1785MHz, Rx: 1805-1880MHz
Modulation	:	GMSK,8PSK
Antenna type	:	Integral Antenna

Intended Use / Category	:	WCDMA, HSDPA, HSUPA
RF output power	:	WCDMA Band 1: 21.64dBm, WCDMA Band 8: 21.91dBm (Conducted)
Frequency range (MHz)	:	WCDMA Band 1: Tx: 1920-1980MHz, Rx: 2110-2170MHz WCDMA Band 8: Tx: 880-915MHz, Rx: 925-960MHz
Modulation	:	QPSK
Antenna type	:	Integral Antenna

Intended Use / Category	:	FDD-LTE Band1, 3 ,7, 8, 20, 28
RF output power	:	FDD-LTE Band 1: 23.59dBm, FDD-LTE Band 3: 22.31dBm, FDD-LTE Band 7: 24.79dBm, FDD-LTE Band 8: 22.34dBm, FDD-LTE Band 20: 22.99dBm, FDD-LTE Band 28: 21.80dBm (Conducted)
Frequency range (MHz)	:	FDD-LTE Band 1: Tx: 1920-1980MHz, Rx: 2110-2170MHz FDD-LTE Band 3: Tx: 1710-1785MHz, Rx: 1805-1880MHz FDD-LTE Band 7: Tx: 2500-2570MHz, Rx: 2620-2690MHz FDD-LTE Band 8: Tx: 880-915MHz, Rx: 925-960MHz FDD-LTE Band 20: Tx: 832-862MHz, Rx: 791-821MHz FDD-LTE Band 28: Tx: 703-748MHz, Rx: 758-803MHz
Modulation	:	QPSK, 16QAM
Antenna type	:	Integral Antenna

Intended Use / Category	:	Wi-Fi (2.4G)
RF output power	:	15.79dBm (EIRP)
Frequency range (MHz)	:	2412-2472MHz for 802.11b/g/n(HT20) 2422-2462MHz for 802.11n(HT40)
Modulation	:	DBPSK,BPSK,DQPSK,QPSK,16QAM,64QAM
Antenna type	:	Integral Antenna

Intended Use / Category	:	GPS
RF output power	:	--
Frequency range (MHz)	:	1575.42MHz
Modulation	:	--
Antenna type	:	Integral Antenna

According to the Technical Documentation compiled by the Manufacturer, this radio equipment was assessed for compliance with the following standards, which were applied in full:

ESSENTIAL REQUIREMENTS ASSESSED

Aspects		**Standard Number**
Radio	:	ETSI EN 300 328 V2.1.1 (2016-11) ETSI EN 303 413 V1.1.1 (2017-06) ETSI EN 301 511 V12.5.1 (2017-03) ETSI EN 301 908-1 V11.1.1 (2016-07) ETSI EN 301 908-2 V11.1.2 (2017-08) ETSI EN 301 908-13 V11.1.2 (2017-07)
EMC	:	EN 55032:2015/AC:2016-07; EN 55035:2017 EN 61000-3-2:2014 ; EN 61000-3-3:2013 Draft ETSI EN 301 489-1 V2.2.1 (2019-03) Draft ETSI EN 301 489-17 V3.2.0 (2017-03) ETSI EN 301 489-19 V2.1.1 (2019-04) Draft ETSI EN 301 489-52 V1.1.0 (2016-11)
Health	:	EN 50566: 2017 EN 62209-2: 2010
Safety	:	EN 62368-1:2014+A11:2017

LIST OF DOCUMENTS REVIEWED

Item	**Exhibit Description**		
1.	Copy of the Declaration of Conformity		☑
2.	Agent/Representative authorization letter from Manufacturer (if application is filed by someone other than Manufacturer)		☑
3.	Attestation letter for compliance with Article 10(2)		☑
4.	Attestation letter and/or exhibits for compliance with Article 10(10) (i.e. info on packaging completed with users instructions)		☑
5.	A general description of the radio equipment (e.g. Operational Description)		☑
6.	Photographs or illustrations showing external features, marking and internal layout		☑
7.	RED Annex VI Point 8 - Versions of software or firmware affecting compliance with essential requirements		☑
8.	User information and installation instructions		☑
9.	Conceptual design and manufacturing drawings and schemes of components, sub-assemblies, circuits and other relevant similar elements		☑
10.	Descriptions and explanations necessary for the understanding of those drawings and schemes and the operation of the radio equipment		☑
11.	RED Annex III module B - Analysis and assessment of the risk(s)		☑
12.	Where the conformity assessment module in Annex III has been applied, copy of the EU-type examination certificate and its annexes as delivered by the notified body involved		☑
13.	Results of design calculations made, examinations carried out, and other relevant similar elements		☑
14.	Test reports	V43_EN62368 V43_EN62471 V43_EN300328_WiFi – RED V43_EN301489-1,17,19,52 - RED V43_EN301511 – RED V43_EN301908 for LTE – RED V43_EN301908-WCDMA – RED V43_EN303413_GPS – RED V43_IEC62133	☑