

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

MANUFACTURER

Name	:	Shanghai Sunmi Technology Co.,Ltd.		
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PRODUCT DESCRIPTION

Trademark/Trade Name	:	SUNMI		
Model Number	:	T5930		
Product Description	:	Wireless data POS System		

TECHNICAL DOCUMENTATION

Identification	:	T5930		
Signed by (Name & Title)	:	Zhang Wentang, N/A	Date :	January 21, 2019
Company Name	:	Shanghai Sunmi Technology Co.,Ltd.		

NOTIFIED BODY

Certificate issued by	:	Notified Body 1177, TIMCO Engineering, Inc.		
Certificate number	:	TCF-152CC19		
Name and Signature	:	Bruno Clavier	<i>Bruno Clavier</i>	Date : January 29, 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 This certificate is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the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.

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EU – TYPE EXAMINATION CERTIFICATE
ANNEX 1
TCF-152CC19

Date: January 29, 2019

PRODUCT SPECIFICATIONS

Intended Use / Category :	GSM 900
RF output power :	31.4 dBm Conducted for GPRS/28.4 dBm Conducted for EDGE
Frequency range (MHz) :	880-915 MHz
Modulation :	GMSK/8PSK
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	GSM 1800
RF output power :	28.4 dBm Conducted for GPRS/24.7 dBm Conducted for EDGE
Frequency range (MHz) :	1710-1785 MHz
Modulation :	GMSK/8PSK
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	WCDMA Band I
RF output power :	20.57 dBm Conducted
Frequency range (MHz) :	1920-1980 MHz
Modulation :	QPSK/16QAM
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	WCDMA Band VIII
RF output power :	22.19 dBm Conducted
Frequency range (MHz) :	880-915 MHz
Modulation :	QPSK/16QAM
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	LTE BAND 1
RF output power :	22.04 dBm Conducted
Frequency range (MHz) :	1920-1980 MHz
Modulation :	GMSK/QPSK/16QAM
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	LTE BAND 3
RF output power :	22.93 dBm Conducted
Frequency range (MHz) :	1710-1785 MHz
Modulation :	GMSK/QPSK/16QAM
Antenna type :	PIFA 0.34dBi

Intended Use / Category :	LTE BAND 7
RF output power :	22.62 dBm Conducted
Frequency range (MHz) :	2500-2570 MHz
Modulation :	GMSK/QPSK/16QAM
Antenna type :	PIFA 0.34dBi

Intended Use / Category	:	LTE BAND 8
RF output power	:	22.68 dBm Conducted
Frequency range (MHz)	:	880-915 MHz
Modulation	:	GMSK/QPSK/16QAM
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	LTE BAND 20
RF output power	:	22.24 dBm Conducted
Frequency range (MHz)	:	832-862 MHz
Modulation	:	GMSK/QPSK/16QAM
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	LTE BAND 38
RF output power	:	21.40 dBm Conducted
Frequency range (MHz)	:	2570-2620 MHz
Modulation	:	GMSK/QPSK/16QAM
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	LTE BAND 40
RF output power	:	21.46 dBm Conducted
Frequency range (MHz)	:	2300-2400 MHz
Modulation	:	GMSK/QPSK/16QAM
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	BT
RF output power	:	6.31 dBm EIRP
Frequency range (MHz)	:	2402-2480 MHz
Modulation	:	GFSK/ $\pi/4$ -DQPSK/8-DPSK
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	BLE
RF output power	:	6.05 dBm EIRP
Frequency range (MHz)	:	2402-2480 MHz
Modulation	:	GFSK
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	2.4G Wi-Fi
RF output power	:	14.18 dBm EIRP
Frequency range (MHz)	:	2412-2472 MHz
Modulation	:	DSSS/OFDM
Antenna type	:	PIFA 0.34dBi

Intended Use / Category	:	5G Wi-Fi
RF output power	:	13.263 dBm EIRP
Frequency range (MHz)	:	5150-5250 MHz
Modulation	:	OFDM
Antenna type	:	PIFA -0.34dBi

Intended Use / Category	:	5G Wi-Fi
RF output power	:	13.6 dBm EIRP
Frequency range (MHz)	:	5725-5850 MHz
Modulation	:	OFDM
Antenna type	:	PIFA 0.28dBi

Intended Use / Category :	GPS
Frequency range (MHz) :	1575.42 MHz
Modulation :	BPSK/QPSK
Antenna type :	PIFA

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 :	EN 301 511 V12.5.1 EN 301 908-1 V11.1.1 EN 301 908-2 V11.1.2 EN 301 908-13 V11.1.2 EN 300 302 V2.1.1 EN 303 413 V1.1.1 EN 301 893 V2.1.1 EN 300 440 V2.2.1
EMC :	EN 301 489-1 V2.2.0 EN 301 489-3 V2.1.1 EN 301 489-17 V3.2.0 EN 301 489-19 V2.1.0 EN 301 489-52 V1.1.0 EN 55032:2015 EN 55035:2017
EMF :	EN 50566:2017 EN 50663:2017
Safety :	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

LIST OF DOCUMENTS REVIEWED

Item	Exhibit Description				
1.	Copy of the Declaration of Conformity	<input checked="" type="checkbox"/>			
2.	Agent/Representative authorization letter from Manufacturer (if application is filed by someone other than Manufacturer)	<input checked="" type="checkbox"/>			
3.	Attestation letter for compliance with Article 10(2)	<input checked="" type="checkbox"/>			
4.	Attestation letter and/or exhibits for compliance with Article 10(10) (i.e. info on packaging completed with users instructions)	<input checked="" type="checkbox"/>			
5.	A general description of the radio equipment (e.g. Operational Description)	<input checked="" type="checkbox"/>			
6.	Photographs or illustrations showing external features, marking and internal layout	<input checked="" type="checkbox"/>			
7.	RED Annex VI Point 8 - Versions of software or firmware affecting compliance with essential requirements	<input checked="" type="checkbox"/>			
8.	User information and installation instructions	<input checked="" type="checkbox"/>			
9.	Conceptual design and manufacturing drawings and schemes of components, sub-assemblies, circuits and other relevant similar elements	<input checked="" type="checkbox"/>			
10.	Descriptions and explanations necessary for the understanding of those drawings and schemes and the operation of the radio equipment	<input checked="" type="checkbox"/>			
11.	RED Annex III module B - Analysis and assessment of the risk(s)	<input checked="" type="checkbox"/>			
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	<input type="checkbox"/>			
13.	Results of design calculations made, examinations carried out, and other relevant similar elements	<input checked="" type="checkbox"/>			
14.	Test reports	Item:	Report No.:	Issued Date:	<input checked="" type="checkbox"/>
		RF 2G	I18D00235-RFA01	January 22, 2019	
		RF 3G	I18D00235-RFA02	January 22, 2019	
		RF 4G	I18D00235-RFA03	January 16, 2019	

Item	Exhibit Description			
15.	Test reports (cont.)	Item:	Report No.:	Issued Date:
		RF BT	I18D00235-SDR01	January 22, 2019
		RF BLE	I18D00235-SDR02	January 22, 2019
		RF Wi-Fi 2.4G	I18D00235-SDR03	January 22, 2019
		RF GPS	I18D00235-SDR04	January 22, 2019
		RF Wi-Fi 5G	I18D00235-SDR05	January 22, 2019
		RF Wi-Fi 5.8G	BL-SZ1910003-601	January 21, 2019
		EMC	I18D00235-EMC01	January 25, 2019
		RF Safety	I18D00235-SAR01	January 28, 2019
		RF Safety	BL-SZ1910003-701	January 21, 2019
		Electrical Safety	I18D00235-SAF01	January 21, 2019