


# CERTIFICATE RED-1015

Our ref. HEL-CERT170500195-01

## EU TYPE EXAMINATION CERTIFICATE RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product	Personal alarm device
Type	TUP91EU
Trade mark	TWIG
Marketing Name	TWIG Embody
Certificate Holder	Twig Com Ltd Lairolantie 14, FI-24910, Salo, Finland
Manufacturer	Same as applicant
Compliance with the requirements on the basis of type examination	Product fulfils the requirements of the standard(s) listed in Appendix 1 and the essential requirements set out in Article 3.1a (health & safety), Article 3.1b (EMC) and Article 3.2 (radio spectrum use) of Radio Equipment directive 2014/53/EU.
Validity	This certificate is valid until 2023-03-15 unless the standard in question has been amended or superseded.
Date of issue	2018-03-15
	<b>SGS Fimko Ltd</b>
Signature	 Jari Merikari Technical Manager

SGS Fimko Ltd is a Notified Body (0598) according to the RE Directive 2014/53/EU.  
Authentication of this Certificate can be confirmed at: [sgs.fimko@sgs.com](mailto:sgs.fimko@sgs.com)

This certificate has 1 appendix



This certificate is issued by the company under its General Conditions for Certification Services accessible at <http://www.sgs.fi/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitations of liability defined therein and in the Test Report here above mentioned which findings are reflected in this certificate. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

**Manufacturing sites**

Twig Com Ltd.  
Lairolantie 14, FI-24910, Salo, Finland

**Applied standards**
**Article 3.1a (health & safety)**

EN 50566:2013  
EN 62209-2:2010  
EN 62479:2010  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013

**Article 3.1b (EMC)**

EN 301 489-1 V2.2.1, EN 301 489-3 V2.1.1, EN 301 489-19 V2.1.0,  
EN 301 489-52 V1.1.0

**Article 3.2 (radio spectrum use)**

EN 300 220-1 V3.1.1, EN 300 220-3-2 V1.1.1  
EN 301 511 V12.5.1  
EN 301 908-1 V11.1.1, EN 301 908-2 V11.1.1  
EN 303 413 V1.1.1

**Test reports**

Testing laboratory	Report number	Date
SGS Fimko Ltd.	288641-1-1	8 May 2017
SGS Fimko Ltd.	282991-1	21 March 2016
SGS Fimko Ltd.	282991-2-2	15 March 2016
SGS Fimko Ltd.	282991-2-3	15 March 2016
SGS Fimko Ltd.	286189-2-2	27 December 2017
SGS Fimko Ltd.	282999-3	19 May 2016
SGS Taiwan Ltd.	ES/2016/50002	21 June 2016

**Technical information**

Operating voltage:  
Battery: 3.7 VDC; Charger 5.0 VDC

Frequency band:  
SRD: 869.675 MHz  
GSM/GPRS: 900 and 1800 MHz  
WCDMA: Band I, VIII  
GNSS receiver: Band L1; 1559 – 1607 MHz

Transmit power:  
SRD: 10 dBm (e.r.p.) max.  
GSM/GPRS: 33 dBm (e.r.p.) max.  
WCDMA: 24 dBm (e.r.p.) max.

Antenna type and gain:  
PIFA; 2.0 dBi (max)

Appendix to Certificate: RED-1015

**Additional information**

**This type examination certificate is based on the inspection of the technical file ref. no. TUP91EU files**

**This certificate is valid only for the types mentioned in this certificate.**

**The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.**