



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

**MANUFACTURER**

|                      |   |  |
|----------------------|---|--|
| Name                 | : | SENA TECHNOLOGIES, Inc                             |
| Address              | : | 19, Heolleung-ro 569-gil, Gangnam-gu, Seoul, Korea |
| Contact Name & Title | : | Seunghyun Kim / Research Engineer                  |
| Phone number & Email | : | +82-2-573-8283, shkim77@sena.com                   |

**PRODUCT DESCRIPTION**

|                      |   |               |
|----------------------|---|---------------|
| Trademark/Trade Name | : | N/A           |
| Model Number         | : | SP71          |
| Product Description  | : | SMART HJC 20B |

**TECHNICAL DOCUMENTATION**

|                          |   |                        |      |   |                    |
|--------------------------|---|------------------------|------|---|--------------------|
| Identification           | : | SN-RED-DOC-SP71        |      |   |                    |
| Signed by (Name & Title) | : | Seunghyun Kim          | Date | : | September 23, 2019 |
| Company Name             | : | SENA TECHNOLOGIES, Inc |      |   |                    |

**NOTIFIED BODY**

|                       |   |   |      |   |                 |
|-----------------------|---|---|------|---|-----------------|
| Certificate issued by | : | Notified Body 1177, TIMCO Engineering, Inc. |      |   |                 |
| Certificate number    | : | TCF-2569KC19                                |      |   |                 |
| Name and Signature    | : | Bruno Clavier <i>Bruno Clavier</i>          | Date | : | October 8, 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 This certificate is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the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.

|   |   |
|---|---|
| <b>TIMCO ENGINEERING, INC.</b><br>P.O. BOX 370<br>NEWBERRY, FL 32669<br>www.timcoengr.com | This Certificate is issued under the provision that TIMCO Engineering Inc. nor its subsidiary companies accept any liability concerning the contents of this document other than forced by law. Reproduction of the Certificate (with Annex) in full is allowed. Reproduction of parts of this certificate may only be allowed by written permission of TIMCO Engineering, Inc. |
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**EU – TYPE EXAMINATION CERTIFICATE**  
**ANNEX 1**  
**TCF-2569KC19**

Date: October 8, 2019

**PRODUCT SPECIFICATIONS**

|                           |   |
|---------------------------|---|
| Intended Use / Category : | SRD – Wideband data transmission system   |
| RF output power :         | 16.74 dBm EIRP for BDR / 5.91 dBm EIRP for EDR / 3.60 dBm EIRP for BLE                |
| Frequency range (MHz) :   | 2402-2480   |
| Modulation :              | GFSK, Pi/4DQPSK, 8DPSK  |
| Antenna type :            | PCB pattern antenna Max Gain -0.05 dBi for M0 / PCB antenna Max Gain -0.13 dBi for M1 |

|                           |                          |
|---------------------------|--------------------------|
| Intended Use / Category : | Broadcast Sound Receiver |
| Frequency range (MHz) :   | 87.5-108                 |
| Modulation :              | FM                       |

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<br>Final draft ETSI EN 303 345 V1.1.7  |
| EMC :    | Draft ETSI EN 301 489-1 V2.1.1<br>ETSI EN 301 489-17 V3.1.1<br>EN 55032:2015/AC:2016<br>EN 55035:2017 |
| Health : | EN 50566:2017<br>EN 50663:2017<br>EN 62209-2:2010<br>IEEE 1528: 2013<br>EN 62311:2008                 |
| 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 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 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.      | Issue Date/Rev #                    | <input checked="" type="checkbox"/> |
|        |  | EMC FM mode  | NE1909-C002     | Sep 04, 2019                        |                                     |
|        |  | EMC BT mode  | NE1908-C005     | Sep 03, 2019                        |                                     |
|        |  | Safety       | NS1909-C011     | Sep 20, 2019                        |                                     |
|        |  | Radio BT     | NW1909-R008     | Sep 23, 2019                        |                                     |
|        |  | Radio BLE    | NW1909-R009     | Sep 23, 2019                        |                                     |
|        |  | Radio FM     | DRECEE1909-0588 | Sep 11, 2019                        |                                     |
| Health | DRRCET1909-0075(1)   | Sep 30, 2019 |                 |                                     |                                     |