



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

MANUFACTURER

Name	:	Mando Corporation
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Contact Name & Title	:	Hyung-Suk Ham, Part Leader / Manager
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PRODUCT DESCRIPTION

Trademark/Trade Name	:	Vehicle Radar
Model Number	:	MRR-30
Product Description	:	Vehicle Radar

TECHNICAL DOCUMENTATION

Identification	:	RED-M2006B			
Signed by (Name & Title)	:	Hyung-Suk Ham, Manager	Date	:	July 3, 2020
Company Name	:	MANDO			

NOTIFIED BODY

Certificate issued by	:	Notified Body 1177, TIMCO Engineering, Inc.			
Certificate number	:	1177-200112 (Original TCF-3230KC19 December 17, 2019)			
Name and Signature	:	Bruno Clavier <i>Bruno Clavier</i>	Date	:	August 3, 2020

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 relates only to the documents as provided to Timco Engineering, Inc. and is valid up to (1) the date of cessation of presumption of conformity of any of the superseded standards which were used for testing this product and assessed by Notified Body or (2) the date of modifications to the approved type that may affect the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. P.O. BOX 370 NEWBERRY, FL 32669 www.timcoenr.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
1177-200112

Date: August 3, 2020

PRODUCT SPECIFICATIONS

Intended Use / Category	:	Transport and Traffic Telematics
RF output power	:	42.45 dBm EIRP
Frequency range (GHz)	:	76.1 – 76.87
Modulation	:	FMCW
Antenna type	:	Patch 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 301 091 V2.1.1
EMC	: ETSI EN 301 489-1 V2.2.3:2019 ETSI EN 301 489-51 V2.1.1:2019
Health	: EN 62311:2008
Safety	: ETSI EN 62368-1:2020+A11:2020

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 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 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"/>

Item	Exhibit Description (Cont.)				
13.	Results of design calculations made, examinations carried out, and other relevant similar elements			<input type="checkbox"/>	
14.	Test reports	Item	Report No.	Issue Date/Rev #	<input checked="" type="checkbox"/>
		EMC	MOV-19-EMC-1120(1)	July 3, 2020; (1)	
		Safety	ETSI EN 62368-1:2020+A11:2020	July 3, 2020	