Electrical Electronics and Systems Enginering
20300 Rotunda Drive
Dearborn, MI 48124

Ford Motor Company

Date: June 13, 2017

EU Declaration of Conformity

EC Directive(s)	**2014/53/EU**
Manufacturer	**Ford Motor Company** **Building 5** **20300 Rotunda Drive** **Dearborn, Michigan, 48214** **United States of America**
Radio Equipment	Type Designation: **KMHSG1P1**
Description / Intended Use	**SYNC1.1 / vehicular Bluetooth transceiver**
Article 3.2: Applied Radio Spectrum Standard(s)	**EN 300 328 v2.1.1 (2016-11)**
Article 3.1(b): Applied EMC Standard(s)	**EN 301 489-1 v1.9.2 (2011-09), EN 301 489-1 v2.1.1 (2017-03), EN 301 489-3 v2.1.0 (2017-03)**
Article 3.1(a): Applied Health and Safety Standard(s)	**EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011, EN 62479: 2010, EN 62311: 2008**
Frequency band(s) in which the radio equipment operates	Transmit: **2400 – 2483.5 MHz**
Maximum radio-frequency power transmitted	**< 10 mW e.i.r.p.**

Hereby, **Ford Motor Company** declares that the object of the declaration described above is in conformity with the relevant Union harmonisation legislation (**Directive 2014/53/EU**).

This declaration is issued under the sole responsibility of the manufacturer.

Mashkoor Siddiqui, SYNC Program Manager
Signed for and on behalf of **Ford Motor Company**
Dearborn, Michigan, United States of America / 13 June 2017

Willow Run (WR) Test Labs, Inc.
7117 Fieldcrest Drive
Brighton, Michigan 48116
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Re: Certification for: Ford Motor Company WRTL Project Number: 20170612-PRJWAC010115

EU Type Designation: KMHSG1P1

Test Report (Cover Sheet)

To whom it may concern,

The goal of Ford Motor Company is to demonstrate that the Equipment Under Test (EUT) – KMHSG1P1 – complies with the essential requirements of the RED Directive 2014/53/EU. It has been determined that the EUT is subject to the referenced rules and directives at the date of this testing. In conjunction with these rules and directives, the referenced specifications and procedures are followed herein to demonstrate compliance (in whole or in part) of the EUT with these regulations.

KMHSG1P1 has been evaluated and judged compliant with the following specifications, per testing completed on or before June 12, 2017:

EN 300 328 V2.1.1

TEST PARAMETER	COMPLIES	NOTES
EN 300 328: Technical Requirements, Frequency Hopping equipment		
4.3.1 Requirements for Frequency Hopping equipment	☑	See Below
4.3.1.2 RF output power	☑	4.6 dBm < 20 dBm
4.3.1.3 Duty Cycle, Tx-sequence, Tx-gap	☑	Not Applicable: (Pout < 10 dBm EIRP)
4.3.1.4 Accumulated Transmit Time, Freq. Occupation and Hopping Sequence	☑	Confirmed
4.3.1.5 Hopping Frequency Separation	☑	Confirmed
4.3.1.6 Medium Utilization (MU) factor	☑	Not Applicable: (Pout < 10 dBm EIRP)
4.3.1.7 Adaptivity (Adaptive Frequency Hopping)	☑	Not Applicable: (Pout < 10 dBm EIRP)
4.3.1.8 Occupied Channel Bandwidth	☑	Confirmed
4.3.1.9 Transmitter unwanted emissions in the OOB domain	☑	>20 dB margin
4.3.1.10 Transmitter unwanted emissions in the spurious domain	☑	>20 dB margin
4.3.1.11 Receiver spurious emissions	☑	> 20 dB margin
4.3.1.12 Receiver Blocking	☑	Meas. PER < 0.00% with Category 2 Stimuli
4.3.1.13 Geo-location capability	☑	Not Applicable: No Geo-location Capability

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EU Type Designation: KMHSG1P1

ETSI EN 301 489-1 v1.9.2 / ETSI EN 301 489-1 V2.1.1 / ETSI EN 301 489-3 V2.1.0

TEST PARAMETER	COMPLIES	NOTES
EN 301 489: Emissions		
8.2 Enclosure port of ancillary equipment (30 MHz – 6 GHz)	☑	EN 55032B: Tested
8.3 DC power input/output ports	☑	EN 55032/CISPR25: Tested
8.4 AC mains power input/output ports	☑	Not Applicable
8.5 Harmonic current emissions (AC mains input port)	☑	Not Applicable
8.6 Voltage fluctuations and flicker (AC mains input port)	☑	Not Applicable
8.7 Wired network ports	☑	Not Applicable
EN 301 489: Immunity		
9.2 Radio frequency electromagnetic field (80 MHz to 6 000 MHz)	☑	61000-4-3 3V/m, 80%: Tested
9.3 Electrostatic discharge	☑	61000-4-2: Tested
9.4 Fast transients, common mode	☑	Not Applicable (< 3m)
9.5 Radio frequency, common mode	☑	Not Applicable (< 3m)
9.6 Transients and surges in the vehicular environment	☑	ISO 7637-2: Tested
9.7 Voltage dips and interruptions	☑	Not Applicable
9.8 Surges	☑	Not Applicable

EN 62479: 2010, EN 62311: 2008

TEST PARAMETER	COMPLIES	NOTES
EN 62479, EN 62311: Health and Safety		
EN 62479 / EN 62311	☑	Conf. Below Action Level

The test results contained in this document relate only to the item(s) tested. Any electrical or mechanical modification made to the test item after the test date shall invalidate the data presented in this report. Any electrical or mechanical modification made to the test item after this test date shall require reevaluation.

Sincerely,

Joseph Brunett, Ph.D.,
NCE# EMC-002790-NE
Executive Director, Willow Run Test Labs, Inc.

NARTE CERTIFIED ENGINEER