

UKCA Declaration of Conformity (DoC)

We:

| | |
|--------------------|---|
| Company name: | Harada Industries (Europe) Ltd. |
| Postal address: | Bell Heath Way, Woodgate Business Park, Clapgate Lane |
| Postcode and city: | B32 3BZ, Birmingham |
| Telephone number: | +44 (0)121 423 2222 |
| Email address: | RED@harada.co.uk |

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

| | |
|----------------------|---|
| Product(s): | JK2T-18812-NA (see sheet 2 for additional part numbers) |
| Type: | Cable Amplifier Module |
| Batch/Serial number: | |

Object of the declaration:

Automotive, interior body mounted, antenna amplifier module with low noise amplifiers for AM, FM and DAB radio broadcast bands.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Article 3(1)a of Directive 2014/53/EU
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Article 3(1)b of Directive 2014/53/EU
Ford ES-8M5T-18828-AA, 2008-01 has been applied for Article 3(2) of Directive 2014/53/EU
Ford ES-DAB, 2010-07 has been applied for Article 3(2) of Directive 2014/53/EU
EN 50581:2012 has been applied for Directive 2011/65/EU

| | | |
|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027532, issue 1 |

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager



Place of issue

Date of issue

Name, function, signature

See sheet 2 for Additional Information

Additional information:

Variant parts included in examination:

Ford V362MCA (Model Year 2018)
JK2T-18812-PA, NA

Ford V363MCA (Model Year 2019.5)
KK3T-18812-GA, KK3T-18812-HA & KK3T-18812-JA

Ford V408MCA (Model Year 2018.5)
KT1T-18812-AAA, KT1T-18812-AAB, KT1T-18812-AEA, KT1T-18812-AGA, KT1T-18812-AJA,
KT1T-18812-AJB, KT1T-18812-ALA, KT1T-18812-ALB, KT1T-18812-BGA, KT1T-18812-BHA,
KT1T-18812-BHB, KT1T-18812-BJA, KT1T-18812-BJB, KT1T-18812-BPA, KT1T-18812-EAA,
KT1T-18812-EAB, KT1T-18812-EBA, KT1T-18812-EBB, KT1T-18812-ECA, KT1T-18812-ECB,
KT1T-18812-EDA, KT1T-18812-EDB, KT1T-18812-EJA, KT1T-18812-EJB, KT1T-18812-EKB,
KT1T-18812-EKC, KT1T-18812-ELA, KT1T-18812-ELB, KT1T-18812-EMA & KT1T-18812-EMB

The above parts are designed exclusively for use with Antenna Base AV1T-18828-AA and Antenna Mast 8S7T-18A886-AA which are not included in the scope of this Declaration of Conformity.

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| Telephone number: | +44 (0)121 423 2222 |
| Email address: | RED@harada.co.uk |

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

| | |
|------------------------|---------------------------------|
| Product: | ET76-18812-ED and ET76-18812-EE |
| Type: | Cable Amplifier Module |
| Batch / Serial number: | |

Object of the declaration:

Automotive, interior body mounted, antenna amplifier module with low noise amplifiers for AM, FM and DAB radio broadcast bands.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
Ford ES-8M5T-18828-AA, 2008-01 has been applied for Regulation 6 (2) Regulations SI2017/1206
Ford ES-DAB, 2010-07 has been applied for Regulation 6 (2) Regulations SI2017/1206
EN 50581:2012 has been applied for Directive Regulations SI2012/3032

| | | |
|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027529, issue 1 |

Additional information:

This part is designed exclusively for use with Antenna Base AV1T-18828-AA and Antenna Mast 8S7T-18A886-AA which are not included in the scope of this Declaration of Conformity.

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager



Place of issue

Date of issue

Name, function, signature

UKCA Declaration of Conformity (DoC)

We:

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Postal address: Bell Heath Way, Woodgate Business Park, Clapgate Lane
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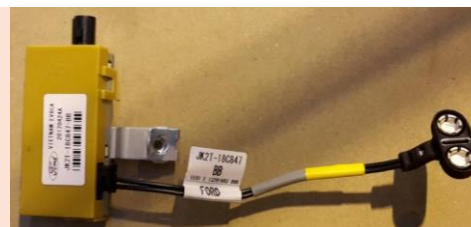
Declare that the DoC is issued under our sole responsibility and belongs to the following product:

Product: AM2T-18C847-DA, JK2T-18C847-AB, JK2T-18C847-AC, JK2T-18C847-BB, JK2T-18C847-BC, JK2T-18C847-CB, JK2T-18C847-CC, JK2T-18C847-DC, JK2T-18C847-DD, JK2T-18C847-EC, JK2T-18C847-ED, JK2T-18C847-FC & JK2T-18C847-FD.
AM
Batch / Serial number: Amplifier Module

Object of the declaration:

Interior body mounted antenna amplifier modules for AM, FM and DAB radio broadcast bands.

Note: photo shows variant JK2T-18C847-BB.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
ETSI ES 202 127 v1.1.1 2005-01 has been applied for Regulation 6 (2) Regulations SI2017/1206
EN 50581:2012 has been applied for Directive Regulations SI2012/3032
Ford Engineering Specification ES C519-18C847-AA, 2014-11-18
Ford EMC Specification FMC1278, 2015-07-01 & 2016-10

Approved body (where applicable):

ACB, Inc.

Identification number:

1588

Certificate number:

ATCB027520, issue 1

Additional information:

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager

Place of issue

Date of issue

Name, function, signature

UKCA Declaration of Conformity (DoC)

We:

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Telephone number: +44 (0)121 423 2222
Email address: RED@harada.co.uk

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

Product: GCPT-19C175-AA
Type: Antenna Module
Batch/Serial numbers:

Object of the declaration:

GNSS active antenna modules



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Article 3(1)a of Directive 2014/53/EU
ETSI EN 301 489-1 v2.2.3 (2019-11) has been applied for Article 3(1)b of Directive 2014/53/EU
ETSI EN 303 413 v1.1.1 (2017-06) has been applied for Art 3(2) of Directive 2014/53/EU
EN 50581:2012 has been applied for Directive 2011/65/EU
Ford Engineering Specification: Roof AM-FM-GPS-DAB Antenna Specification, 2008-01-23
Ford Engineering Specification: GPS Screen Module Antenna Specification, 2010-02-08
Ford Engineering Specification: V-Car TVM GPS Module Antenna Specification, 2010-03-05
Ford Engineering Specification: Cellular GNSS Specification, 2017-07-04
Ford Engineering Specification: GNSS Module Specification, 2015-10-30
Ford EMC Specification EMC-CS-2009.1, 2010-02-11

Approved body (where applicable):

ACB, Inc.

Identification number:

1588

Certificate number:

ATCB027518, issue 1

Signed for and on behalf of:

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Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager

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Declare that the DoC is issued under our sole responsibility and belongs to the following product(s):

| | |
|----------------------|----------------|
| Product(s): | JK2T-18C847-XB |
| Type: | Antenna Module |
| Batch/Serial number: | |

Object of the declaration:

Under body mounted antenna module with an active FM antenna, incorporating a phantom feed low noise amplifier.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
ETSI ES 202 056 v1.1.1, 2005-01 has been applied for Regulation 6 (2) Regulations SI2017/1206
Ford Functional Specification, FS DS7T-18C847-EA, 2010-01
Ford Corporate Test Procedure, CETP 00.00-E-412, 2011-07
Ford EMC Specification, FMC1278, 2016-10
EN 50581:2012 has been applied for Directive Regulations SI2012/3032

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|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027508, issue 1 |

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager



Place of issue

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Name, function, signature

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Declare that the DoC is issued under our sole responsibility and belongs to the following product(s):

| | |
|----------------------|----------------------|
| Product(s): | KK2T-19K351-DC |
| Type: | Roof Mounted Antenna |
| Batch/Serial number: | |

Object of the declaration:

Roof mounted antenna module with passive a 4G telephone antenna and an active GNSS antenna, incorporating a phantom feed low noise amplifier.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
ETSI EN 303 413 v1.1.1, 2017-06 has been applied for Regulation 6 (2) Regulations SI2017/1206
Ford Functional Specification, FS LCPT-19K351-AA, 2016-07
Ford Corporate Test Procedure, CETP 00.00-E-412, 2011-07
Ford EMC Specification, FMC1278, 2016-10
EN 50581:2012 has been applied for Directive Regulations SI2012/3032

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|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027517, issue 1 |

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager



Place of issue

Date of issue

Name, function, signature

UKCA Declaration of Conformity (DoC)

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| Postal address: | Bell Heath Way, Woodgate Business Park, Clapgate Lane |
| Postcode and city: | B32 3BZ, Birmingham, UK |
| Telephone number: | +44 (0)121 423 2222 |
| Email address: | RED@harada.co.uk |

Declare that the DoC is issued under our sole responsibility and belongs to the following product(s):

| | |
|----------------------|---|
| Product(s): | LCPT-18C847-AB, LCPT-18C847-BB, LCPT-18C847-CC, LCPT-18C847-EC & LCPT-18C847-NA |
| Type: | Amplifier Module |
| Batch/Serial number: | |

Object of the declaration:

Interior body mounted module with phantom feed low noise amplifiers for AM, FM and DAB radio broadcast bands.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
Ford DSC519-18C847-XX, 2014-10 has been applied for Regulation 6 (2) Regulations SI2017/1206
EN 50581:2012 has been applied for Directive Regulations SI2012/3032

| | | |
|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027483, issue 1 |

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager

Place of issue

Date of issue

Name, function, signature

UKCA Declaration of Conformity (DoC)

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| Company name: | Harada Industries (Europe) Ltd. |
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| Postcode and city: | B32 3BZ, Birmingham, UK |
| Telephone number: | +44 (0)121 423 2222 |
| Email address: | RED@harada.co.uk |

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

| | |
|------------------------|---|
| Product: | LCPT-19K351-BD#### (Note: #### represents a 4 character alphanumeric colour code) |
| Type: | Roof Mounted Antenna |
| Batch / Serial number: | |

Object of the declaration:

Roof mounted antenna module with passive a 4G telephone antenna and an active GNSS antenna, incorporating a phantom feed low noise amplifier.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
ETSI EN 303 413 v1.1.1, 2017-06 has been applied for Regulation 6 (2) Regulations SI2017/1206
EN 50581:2012 has been applied for Directive Regulations SI2012/3032
Ford Functional Specification, FS MCPT-19J269-AA, 2018-05
Ford Corporate Test Procedure, CETP 00.00-E-412, 2011-07
Ford EMC Specification, FMC1278, 2016-10

| | | |
|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027506 Issue 1 |

Additional information:

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager



Place of issue

Date of issue

Name, function, signature

UKCA Declaration of Conformity (DoC)

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| Company name: | Harada Industries (Europe) Ltd. |
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| Postcode and city: | B32 3BZ, Birmingham, UK |
| Telephone number: | +44 (0)121 423 2222 |
| Email address: | RED@harada.co.uk |

Declare that the DoC is issued under our sole responsibility and belongs to the following product:

| | |
|------------------------|---------------------------------|
| Product: | L1TT-19G461-AC & L1TT-19C461-DD |
| Type: | Roof Mounted Antenna |
| Batch / Serial number: | |

Object of the declaration:

Roof mounted antenna module with active AM/FM/GNSS or active AM/FM/DAB/GNSS and passive 4G telephone antenna.



The object of the declaration described above is in conformity with the statutory requirements:

Radio Equipment Regulations 2017 (SI2017/1206)
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI2012/3032)

The following designated standards and technical specifications have been applied:

EN 62368-1:2014+A11:2017 has been applied for Regulation 6 (1)a Regulations SI2017/1206
ETSI EN 301 489-1 v2.2.3, 2019-11 has been applied for Regulation 6 (1)b Regulations SI2017/1206
ETSI EN 303 413 v1.1.1, 2017-06 has been applied for Regulation 6 (2) Regulations SI2017/1206
ETSI ES 202 056 v1.1.1, 2005-01 has been applied for Regulation 6 (2) Regulations SI2017/1206
EN 50581:2012 has been applied for Directive Regulations SI2012/3032
Ford Functional Specification, FS MCPT-19J269-AA, 2018-05
Ford Corporate Test Procedure, CETP 00.00-E-412, 2011-07
Ford EMC Specification, FMC1278, 2016-10

| | | |
|--|-------------------------------|----------------------------|
| Approved body (where applicable): | Identification number: | Certificate number: |
| ACB, Inc. | 1588 | ATCB027507, issue 1 |

Additional information:

These products are used in conjunction with Antenna Mast L1TT-18A886-AC (20cm AM/FM/DAB)

Signed for and on behalf of:

Harada Industries Europe Ltd
Bell Heath Way, Woodgate
Business Park, Clapgate
Lane, Birmingham B32 3BZ

14/10/2021

Mr Graham Buckley
General Manager

Place of issue

Date of issue

Name, function, signature