



APPROVED BODY

TYPE EXAMINATION CERTIFICATE

STATUTORY INSTRUMENTS 2017 No. 1206 TELECOMMUNICATIONS

The Radio Equipment Regulations 2017 as amended by Schedule 29 of The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019

THIS CERTIFICATE IS ISSUED TO

Amphenol Airwave Communication Electronics Co.,Ltd

No.158 zhonggang Road, XiTang Industry Park
HaiYan, Zhejiang 314300
China

TO STATE THAT THE EQUIPMENT KNOWN AS

Amphenol T1HD

Conforms (following an evaluation of its associated Technical Documentation and subject to any restrictions stated in the attached Annex) with the essential requirements of Schedule 3, Module B, of the [UK STATUTORY INSTRUMENTS 2017 No. 1206](#) TELECOMMUNICATIONS (the Radio Equipment Regulations 2017) and the mutual recognition of their conformity, in relation to the essential requirements of:

Regulation 6.(1)(a) Health and Safety

Regulation 6.(1)(b) Electromagnetic Compatibility

Regulation 6.(2) Use of Radio Spectrum

Details of this certification, standards used, RF parameters of this equipment and other information necessary for the correct interpretation and application, including any remarks, restrictions or observations are detailed in the attached Annex.

This is to certify that (a) sample(s) of the Product described herein has been investigated and found to be in compliance with the Standard(s) indicated on this Certificate. This certificate applies only to the product sample(s) submitted by the Applicant. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured products. UL has not established Follow-Up Service or other surveillance of the product. The Applicant/ Manufacturer are solely and fully responsible for conformity of all products to all applicable standard(s), specifications or requirements. This certificate shall only be used in its entirety. Authorization to apply the Approved Body Identification Number adjacent to the UKCA Marking is not permitted for Module B Certifications. The manufacturer shall keep a copy of this Type Examination certificate, its annexes and additions together with the technical documentation at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market.

Signed: 

Bob DeLisi
on behalf of UL Verification Services Inc.
AB 0984

Issue Date: May 8, 2023¹

Certificate No: AN23C13098-UKCA-1

¹ This certificate expires 3 years after the issue date or within one year of publication of a standard that would supersede the standard(s) used to demonstrate compliance and that would require re-assessment of the device.

ANNEX

SCOPE OF EXAMINATION

Essential Requirement	Applied standard(s) (and version) or reference.
Regulation 6.(1)(a) Health and Safety	EN IEC 62368-1:2020+A11:2020, EN IEC 61322:2020, EN 62479:2010
Regulation 6.(1)(b) EMC	EN 301 489-1 V2.2.3, EN 301 489-3 V3.2.3, EN 55032:2015+A11:2020, EN 55035:2017+A11:2020
Regulation 6.(2) Radio Spectrum	EN 303 345-1 V1.1.1, EN 303 345-2 V1.2.1, EN 303 345-3 V1.1.1, EN 303 345-4 V1.1.1

TECHNICAL DOCUMENTATION DETAILS

Title:	Technical Construction File (TCF)
Reference Number:	N/A
Issue Date:	February 21, 2023
Contact Name:	Zhan Li

GENERAL PRODUCT DETAILS

Brand / Trade Name:	Amphenol	
Model Number(s) / Type Designation:	T1HD	
Build Version / Revision Level:	GM8193-04-000-C-F1	
Software Name and Version:	N/A	
Operating Frequency	AM Receiver	535 – 1705 kHz
	FM Receiver	88 - 108 MHz
Additional Information (modulation)	AM, FM, PSK	
Description of Use / Function:	AM/FM Low Noise Amplifier	
Manufacturers Company Name:	Amphenol Airwave Communication Electronics Co.,Ltd	
Manufacturers Address:	No.158 zhonggang Road, XiTang Industry Park HaiYan, Zhejiang China	

ACCESSORIES

None

PRODUCT VARIANT DETAILS

Product Variant(s) covered by this Type Examination Certificate: None

ASSESSMENT OF STANDARDS APPLIED

References to designated standards for the Radio Regulations are with reference to the list published on 19 January, 2023 (www.gov.uk).

This device does not fall under the scope of the limited number of designated standards listed to address the essential requirements of Regulation 6(1).a. The standards used to assess this device are considered state of the art as they are currently designated under the Electrical Equipment (Safety) Regulations 2016 (S.I. 2016/1101) for the purposes of evaluating electrical safety and RF exposure. These regulations have the same essential requirements with regards to safety as the Radio

Compliance with rf exposure requirements is based on a unintentional emissions meeting the required limits and therefore considered inherently compliant with RF Exposure requirements.

There are currently no designated standards listed to cover an assessment of this device against the essential requirements of Regulation 6(1).b. The standards used are considered state of the art as they are the most recent draft or published candidate standards for use with the Radio Regulations covering this type of equipment for the assessment of the EMC for the radio functions. Assessment of other functions was made using designated standards for the Electromagnetic Compatibility Regulations 2016 (S.I. 2016/1091) which has the same essential requirements as regulation 6(1).b of the Radio Regulations.

Designated standards were used to demonstrate compliance with regulation 6(2) of the Radio Equipment Regulations. All the standards referenced were current as of the date of this evaluation with no superseding standards listed as of the date this certificate was issued.

Restrictions related to the presumption of conformity with the essential requirement as regards the receiver unwanted emissions for standards EN 303 345-2 V1.2.1, EN 303 345-3 V1.1.1, EN 303 345-4 V1.1.1, EN 303 345-5 V1.2.1 have been addressed by applying all test cases.

The standards used represent state of the art with respect to demonstrating compliance with the essential requirements of the Radio Equipment Regulations. The manufacturer needs to consider re-assessment of compliance as newer versions of standards used are published and designated.

REMARKS AND OBSERVATIONS

The manufacturer's declaration of conformity (DoC) appropriately lists the standards used and identifies the equipment by a serial number. The manufacturer is reminded that the UKCA Declaration of Conformity and the Technical Documentation, which includes this certificate, shall be kept at the disposal of the National Authority for ten years after the radio equipment has been placed on the market.

The product labelling and product packaging contained the UKCA mark as required by the Regulations. The product label did not include the manufacturer or importer information however, as this device is pre-installed in the vehicle before importation, the manufacturer/importer information will be supplied in the vehicle owner's manual. The product labeling included serial number allowing its identification as required by the Regulations.

The product is considered a Class 1 device with no restrictions on use as described in the OFCOM Interface Requirements.

It is the responsibility to the manufacturer to ensure the ongoing compliance of this equipment. The manufacturer shall inform the approved body that holds the technical documentation relating to the UK-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Statutory Instrument or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original UK-type examination certificate.

REVISION HISTORY

May 8, 2023

Original version (-1) released.