



# UKCA CERTIFICATE

## TYPE EXAMINATION

No. **8508-RER-5252**

<b>ISSUED BY</b>	3C Test Limited - Approved Body No. 8508 (APPLUS)		
<b>APPLICANT</b>	<b>Annex Products Pty Ltd</b> Level 3 Suite 6A, 299 Toorak Rd, South Yarra VIC 3141 Australia		
<b>MANUFACTURER (Name, Address)</b>	<b>Shenzhen Huagon Technology Co., Ltd</b> 306 3Floor An hongji Xingyao Industrial Park, No.38 Huaxing Road, Dalang Street, Longhua District, Shenzhen City China 518109		
<b>COMMERCIALISED BY (Brand)</b>	<b>QUAD LOCK</b>		
<b>PRODUCT</b>	<b>Quad Lock Wireless Charging Pad</b>		
<b>TYPES</b>	QL-4463		
<b>HW / FMW version</b>	SW: 1.0 HW: 1.0		
<b>APPLICABLE REGULATION</b>	<b>RADIO EQUIPMENT REGULATIONS 2017 (S.I. 2017/1206) ON THE MAKING AVAILABLE ON THE UK MARKET AND PUTTING INTO SERVICE OF RADIO EQUIPMENT</b>		
<b>DESCRIPTION</b>	<b>The device is a Quad Lock Wireless Charging Pad with WPT.</b>		
<b>MEET ESSENTIAL REQUIREMENTS</b>	Reg. 6(1)(a) Health & Safety	<input checked="" type="checkbox"/>	Reg. 6(2) Efficient use of Radio spectrum
	Reg. 6(1)(b) EMC	<input checked="" type="checkbox"/>	Reg. 6A(2) Special characteristics

Restrictions (if apply): N/A

Silverstone, 30th June 2022

You can check the validity of this certificate into our website at:



Steve Youngman  
 Director  
 Electrical & Electronics – United Kingdom

This document is not valid without its technical annex, whose number coincides with the number of the certificate. The evaluation of the technical documentation delivered is included in the technical file number: 22/36402982

This Certificate is valid as long as there are no changes in the prior art indicating that the approved radio equipment can no longer meet the essential requirements of Radio Equipment Regulations 2017 and there are no notifications of the approved type that may affect the Accordance with the essential requirements of Radio Equipment Regulations 2017.

## TECHNICAL ANNEX

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### A. MODEL DESCRIPTION

#### A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

**Manufacturing country:** China  
**Brand:** QUAD LOCK  
**Commercial designation:** QUAD LOCK  
**Country of commercialization:** Great Britain (England, Wales and Scotland)  
**Radio service:** WPT  
**Application:** Quad Lock Wireless Charging Pad

##### A.1.1 TRADE VERSIONS/VARIANTS: QL-4463

#### A.2. FEATURES: Quad Lock Wireless Charging Pad

#### A.3. SOFTWARE VERSION(S): 1.0

#### A.4. HARDWARE VERSION(S): 1.0

#### A.5. OTHER COMPONENTS

- Disposable antenna YES  NO 
  - o Antenna gain (dBi)\*:  
(\* ) only in case of YES

#### A.6. OPERATING FREQUENCIES AND MAXIMUM POWER EMITTED BY BAND

BAND	SERVICE	OPERATIONAL FREQUENCY (TX)		MAX POWER	IR
Band 1	WPT	F_min: 110KHz	F_max: 148KHz	-5.18 dBuA/m@10m	IR 2030

N/A: Not applicable  
N/D: Not defined

#### A.7. OTHER PARAMETERS OF RADIO INTERFACE SPECIFICATIONS (RI)

**Requires license/Use authorization:** YES  NO

NOTE: Mobile / nomadic terminal stations are exempt from licensing

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### B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
<b>Health and Safety (Regulation 6(1)(a))</b>	BS EN IEC 62368-1: 2020+A11:2020	Shenzhen Microtest Co., Ltd.	MTi220413007-48S1
	BS EN IEC 62311:2020	Shenzhen Microtest Co., Ltd.	MTi220413007-47E3
	BS EN 50665:2017		
<b>EMC (Regulation 6(1)(b))</b>	BS EN 55032:2015+A1:2020	Shenzhen Microtest Co., Ltd.	MTi220413007-46E1
	BS EN 55035:2017+A11:2020		
	BS EN IEC 61000-3-2: 2019+A1:2021		
	BS EN 61000-3-3: 2013+A1:2019		
	ETSI EN 301 489-1 V2.2.3 Final draft ETSI EN 301 489-3 V2.2.0	Shenzhen Microtest Co., Ltd.	MTi220413007-47E2
<b>Radio Aspects (Regulation 6(2))</b>	ETSI EN 303 417 V1.1.1	Shenzhen Microtest Co., Ltd.	MTi220413007-47E1

### C. RESTRICTIONS (IF POSITIVE)

Restrictions: YES  NO

Describe restrictions: N/A

## **TECHNICAL ANNEX**

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### **D. ACTIVITIES CARRIED OUT BY THE A.B.**

#### **Technical Documentation Review**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Assembly drawings(s)                   | <input checked="" type="checkbox"/> Block diagram   | <input checked="" type="checkbox"/> Circuit diagram/schematics |
| <input checked="" type="checkbox"/> External photographs                   | <input checked="" type="checkbox"/> Label drawing/location                                    | <input checked="" type="checkbox"/> User manual                |
| <input checked="" type="checkbox"/> Internal photographs                   | <input checked="" type="checkbox"/> Operational description                                   | <input checked="" type="checkbox"/> Risk Assessment            |
| <input checked="" type="checkbox"/> Test set-up photographs                | <input checked="" type="checkbox"/> Test reports  | <input checked="" type="checkbox"/> Declaration of conformity  |
| <input checked="" type="checkbox"/> Bill of materials                      | <input checked="" type="checkbox"/> PCB layout  |  |
| <input checked="" type="checkbox"/> Installation diagrams and explanations | <input checked="" type="checkbox"/> List of applied (designated and non-designated) standards |  |

#### **Other activities**

- RIS
- OFCOM
- Review Technical Justifications
- Analysis report
- Type certification issued

### **E. ADDITIONAL INFORMATION:**

Radio Equipment Regulations 2017, Regulation 11: Manufacturers must keep the technical documentation and the declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Regulations 2017, Schedule 3, Module B, paragraph 7(2): The manufacturer must inform the approved body that holds the technical documentation relating to the type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of these Regulations or the conditions for validity of that certificate. Such modifications require additional approval in the form of an addition to the original type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.