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Issued to: -	Ultimate Sports Engineering Ltd	Order No.
	Unit 4, Bury Mill Farm Bury Gate	
	Nr. Pulborough	
	West Sussex	
	RH20 1NN	

Electromagnetic Compatibility Test/s were performed on the apparatus as detailed: -			
Description	Guardian unit, Core unit, Extender unit		
Model Number	Not stated		
Serial Number/s	Not stated		
Configeration/ Mode of Operation	Alarm mode: The operation switched on the tag for up to 6 seconds, until the indicator light gives 1 red flash. The alarm will sound after several seconds and the Led light will illuminate red.		
Date received	16th September 2019	Date Tested	27/09/2019 - 02/10/2019
Reference Standards	47 CFR Part 15 B	Electrical equipment for measurement, control and laboratory use – EMC requirements - Part 1: General requirements	

Certificate No: -	B3641TC1	Job No: -	B4565	Date: -	18/10/2019	Page 1 of 3
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Tested by:
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Test Engineer

Theodoros Skoulikaritis
Laboratory Business Manager

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EMC FORM 044 Issue 5







ICES-003 Issue 6: 2012	Information technology equipment (Including Digital Apparatus) Limits and methods of measurement

The apparatus to which this certificate relates was tested against the above specifications. Full results are retained on file at the Eurofins York, Yate, Bristol. The apparatus was found to be compliant to the above specifications subject to the following conditions:

UKAS Accreditation

Tests marked "Not UKAS Accredited" in this certificate are not included in the UKAS Accreditation Schedule for our laboratory. Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

EUT Submitted

These results apply only to the particular EUT submitted, in the configuration used and in the mode of operation tested.

47 CFR Part 15, Sub Part B Unintentional Radiators; Conducted and Radiated Emission Limits

Which references the following specification: -

ANSI C63-4: 2014 Methods of Measurements of Radio Noise Emissions from Low Voltage Electrical and Electronic Equipment in the Range 9kHz to 40GHz.

Test	Levels	Result
Conducted Emissions (0.15 – 30MHz)	Class B	Not applicable
Radiated Emissions (30 – 1000MHz)	Class B	Pass
Radiated Emissions (1000 – 24GHz see Note below)	Class B	Pass

Note: Highest EUT operating frequency: 108 - 500 MHz X = 2000 MHz X = 5000 MHz X = 5000 MHz X = 5000 MHz

>1000MHz X = 5 x Highest frequency or 40GHz whichever is lower

Maximum EUT clock speed of 700MHz, therefore highest frequency of measurement is: 5000MHz

Eurofins York, is a registered test facility with the Federal Communications Commission (FCC). The appropriate FCC registration number is 338697, dated 13th November 2014.

Eurofins York is also listed as a Conformity Assessment Body (CAB) under the Sectional Annex of the EU-US Mutual Recognition Agreement

Innovation, Science and Economic Development ICES-003 Issue 6: 2012 - Information and Technology Equipment (ITE) – Limits and Methods of Measurement.

Which references the following specification:

ANSI C63-4: 2014 Methods of Measurements of Radio Noise Emissions from Low Voltage Electrical and Electronic Equipment in the Range 9kHz to 40GHz

Test	Class/Limits	Result (Pass/Fail)
Conducted Emissions (0.15 – 30MHz), See Note 1	Class B	Not applicable
Radiated Emissions (30 – 1000MHz), See Note 1	Class B	Pass (Mode 2)
Radiated Emissions (1000 – 5000MHz)	Class B	Pass (Mode 2)

Eurofins York is a registered test facility with Innovation, Science and Economic Development (ISED). The appropriate ISED Site number 12509A-1, registration number is 12509A, dated 30th January 2013.

Eurofins York is also listed as a Conformity Assessment Body (CAB) under the Sectional Annex of the EU-US Mutual Recognition Agreement.

The Bristol Laboratory FRN is 0023463508.

Note 1: In ICES-003 testing below 1GHz states you have 3 options, option 2 has been chosen hence ANCI C63-4

Opinions/Interpretations/Additional information	
None	

End of	Certificate
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