

## FCC RF Exposure Report

Product name : Trinity Wireless Probe  
Applicant : IBS Precision Engineering  
FCC ID : 2ADZW-TRINITY

Test report No. : 20153829 MPE Ver 1.00



Report number: 20153829 MPE Ver 1.00

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## Laboratory information

### Accreditation

Telefication is designated by the FCC as an Accredited Test Firm for compliance testing of equipment subject to Certification under Parts 15 & 18. The Designation number is: NL0001

### Documentation

Telefication complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2005. The accreditation covers the quality system of the laboratory as well as the specific activities as described in the authorized annex bearing the accreditation number L021 and is granted on 30 November 1990 by the Dutch Council For Accreditation (RvA: Raad voor Accreditatie).

The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 10 years at Telefication Netherland

### Testing Location

Test Site	Telefication BV
Test Site location	Edisonstraat 12a 6902 PK Zevenaar The Netherlands  Tel. +31316583180 Fax. +31316583189
Test Site FCC	NL0001



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## Revision History

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## 1 General Description

### 1.1 Applicant

Client name: IBS Precision Engineering  
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Zip code: 5633 AD  
Country: The Netherlands  
Telephone: +31 40 290 1270  
E-mail: [houben@ibspe.com](mailto:houben@ibspe.com)

### 1.2 Manufacturer

Manufacturer name: IBS Precision Engineering  
Address: Esp 201, Eindhoven  
Zip code: 5633 AD  
Country: The Netherlands  
Telephone: +31 40 290 1270  
E-mail: [houben@ibspe.com](mailto:houben@ibspe.com)

### 1.3 Tested Equipment Under Test (EUT)

Product name: Trinity Wireless Probe  
Brand name: Trinity  
Product type: Wireless measurement probe  
FCC ID: 2ADZW-TRINITY  
Model(s): TP-001-0044  
Software version: --  
Hardware version: 001  
Tests started: 17-06-2015

## 1.4 MPE Calculation Method

Calculation method of RF Safety Distance:

$$PD = \frac{P_{out} * G}{4\pi r^2}$$

Where:

PD = Power Density in  $mW/cm^2$

Pout = Output power in mW

G = Gain of antenna

R = Distance between observation point and centre of the radiator in cm

## 1.5 Antenna

Antenna type	PCB antenna
Antenna gain	3 dBi at 2.4 GHz

## 1.6 Calculation results

Frequency (MHz)	Max power (mW)	Antenna gain (numeric)	Distance (cm)	Power density ( $mW/cm^2$ )	Limit ( $mW/cm^2$ )	Result
2412 -2462	230	2	20	0.12	1	Pass