

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

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 Nederland

Testing Location

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

[illegible]

Table of Contents

Revision History	2
1 General Description	4
1.1 Applicant	4
1.2 Manufacturer	4
1.3 Tested Equipment Under Test (EUT)	4
1.4 MPE Calculation Method	5
1.5 Antenna	5
1.6 Calculation results	5

1 General Description

1.1 Applicant

Client 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

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

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