



Compliance Engineering Ireland Ltd

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Project Number: 13E4506-2b

Prepared for:

Dimplex North America Ltd

By

Compliance Engineering Ireland Ltd

Clonross Lane

Derrockstown

Dunshaughlin

Co. Meath

FCC Site Registration: 92592

Industry Canada Assigned Site Code: 8517A-2

FCC ID: Z4900006

IC: 6592A-00006

Date

20 June 2013

FCC EQUIPMENT AUTHORISATION

Test Report

EUT Description

Radio Hub for heater control.

**Authorised :
John McAuley**

A handwritten signature in blue ink, appearing to read 'John McAuley', written over a horizontal line.

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF COMPLIANCE ENGINEERING IRELAND LTD

RF Exposure Exhibit– Technical Report

Applicant Name and Address

The system covered under this authorisation report was designed, manufactured and assembled by Dimplex North America. The company's full name and mailing address is given below:

**Dimplex North America
1367 Industrial Road,
Cambridge, Ontario
N1R 7G8
Canada**

Model Name

The model number for the EUT covered under this application report is:

Z4900006

1.0 Maximum Permissible Exposure

Prediction of MPE limit at a given distance

Equation from OET Bulletin 65 / RSS102

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Note 10W/m^2 = 1mW/cm^2

Maximum peak output power at antenna input terminal:	3.8	dBm
Maximum peak output power at antenna input terminal:	2399	uW
Antenna gain(typical):	2.15	dBi
Maximum antenna gain:	1.64	numeric
Prediction distance:	20	cm
Prediction frequency:	914.964	MHz
MPE limit for uncontrolled exposure at prediction frequency:	0.61	mW/cm^2
Power density at prediction frequency:	0.000783	mW/cm^2
Power density at prediction frequency:	0.007829	W/m^2