



# SPECTRA ENGINEERING Pty Ltd

*"High Performance Base Stations and Repeaters"*

9 Trade Road,  
Malaga 6090  
Western Australia  
Telephone: +61-8-92482755  
Facsimile: +61-8-92482756  
e-Mail: [info@spectraeng.com.au](mailto:info@spectraeng.com.au)  
Web page: [www.spectraeng.com.au](http://www.spectraeng.com.au)

## DECLARATION OF SIMILARITY

August 20, 2010

To:  
Bay Area Compliance Laboratories Corp.  
1274 Anvilwood Ave.  
Sunnyvale, CA 94089  
Phone: 408-732-9162, Fax: 408-732-9164  
<http://www.baclcorp.com>

Dear Sir or Madam:

We Spectra Engineering Pty Ltd hereby declare that product:

MX800-Radio Base Station Transceiver \Repeater, Model(s):

MX800D3D3V	148-174MHz	100W VHF
MX800NNV	395-430MHz	100W UHF
MX800N2N2V	400-435MHz	100W UHF
MX800O0V	425-460MHz	100W UHF
MX800O2O2V	435-470MHz	100W UHF
MX800PPV	455-490MHz	100W UHF
MX800P2P2V	450-485MHz	100W UHF
MX800P3P3V	475-495MHz	100W UHF

These models are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as model: MX800D3D3V (100W VHF) and MX800P2P2V (100W UHF) tested by BACL.

Descriptions of the differences between the tested model and those that are declared similar are as follows:  
*The MX800 product is made up of four modular components RX, TX, PA Motherboard. For this reason the MX800 Performance approval testing has been carried out under a product family.*  
*The fundamental circuit parameter that form the RF parameters are unchanged between model, only minor changes to resistor and capacitor values are done to form product bandwidths (Switching Range).*

Please contact me should there be need for any additional clarification or information.

Best Regards,

FOR AND ON BEHALF OF SPECTRA ENGINEERING Pty Ltd

Anthony Chadd  
**Research & Development Engineer**  
Friday, August 20, 2010