



Global Product Certification  
EMC-EMF Safety Approvals

**EMC Technologies Pty Ltd**

ABN 82 057 105 549  
176 Harrick Road  
Keilor Park Victoria 3042 Australia

**Telephone** +61 3 9365 1000

**Facsimile** +61 3 9331 7455

**Email** sales@emctech.com.au  
**www.emctech.com.au**

## FCC RF Exposure Report

**Test Sample:** Reconfigurable Test & Measurement Equipment

**Model:** MOKU20150703

**FCC ID:** 2AFFH-MOKU20150703

**Report Number:** M150533 RF Exposure

**Issue Date:** 18 August 2015

## FCC RF Exposure Evaluation Report

### Report Number: M150533 RF Exposure

**Test Sample:** Reconfigurable Test and Measurement Equipment  
**Model:** MOKU20150703  
**FCC ID:** 2AFFH-MOKU20150703

**Manufacturer:** Liquid Instruments Pty Ltd  
**Address:** 38 North Road, Acton, ACT 2602, Australia  
**Phone:** +61 (0) 2 6125 4253  
**Contact:** Ben Nizette  
**Email:** ben.nizette@liquidinstruments.com

**Test Standard/s:** **FCC KDB 447498 D01 General RF Exposure Guidance v05r02**  
Mobile and Portable Devices RF Exposure Procedures and  
Equipment Authorization Policies.

**FCC Title 47, Part 2.1091, Part 1.1310**

**Result of Test:** **According to KDB 447498 D01 and FCC Title 47 Part 2.1091  
and Part 1.1310, the RF exposure analysis concludes that RF  
exposure is FCC compliant**

**Test Dates:** 28<sup>th</sup> and 29<sup>th</sup> May, 24<sup>th</sup> June and 3<sup>rd</sup> July 2015



**Test Engineer:** Mahan Ghassempouri



**Authorised Signatory:** Chris Zombolas  
Technical Director  
EMC Technologies Pty Ltd

## 1. INTRODUCTION

This report shows the Maximum Permissible Exposure (MPE) on the Reconfigurable Test and Measurement Equipment, Model MOKU20150703, in accordance with the Federal Communications Commission (FCC) regulations as detailed in KDB 447498 D01 clause 7.1 and 7.2,

The test sample was provided by the Client. The conclusion herein is based on the information provided by the client.

## 2. DEVICE CATEGORY

According to the manufacturer's declaration and based on the EUT's intended use, the EUT is considered to be a Mobile device.

For purposes of 47 CFR 2.1091, a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to generally be used in such a way that a separation distance of at least 20 centimetres is normally maintained between the transmitter's radiating structure(s) and the body of the user or nearby persons. In this context, the term "fixed location" means that the device is physically secured at one location and is not able to be easily moved to another location. Transmitting devices designed to be used by consumers or workers that can be easily re-located, such as wireless devices associated with a personal computer, are considered to be mobile devices if they meet the 20 centimetre separation requirement.

## 3. LIMIT

As specified in table 1B of 47 CFR 1.1310 limits for occupational/controlled exposure and general public/uncontrolled exposure are as follows:

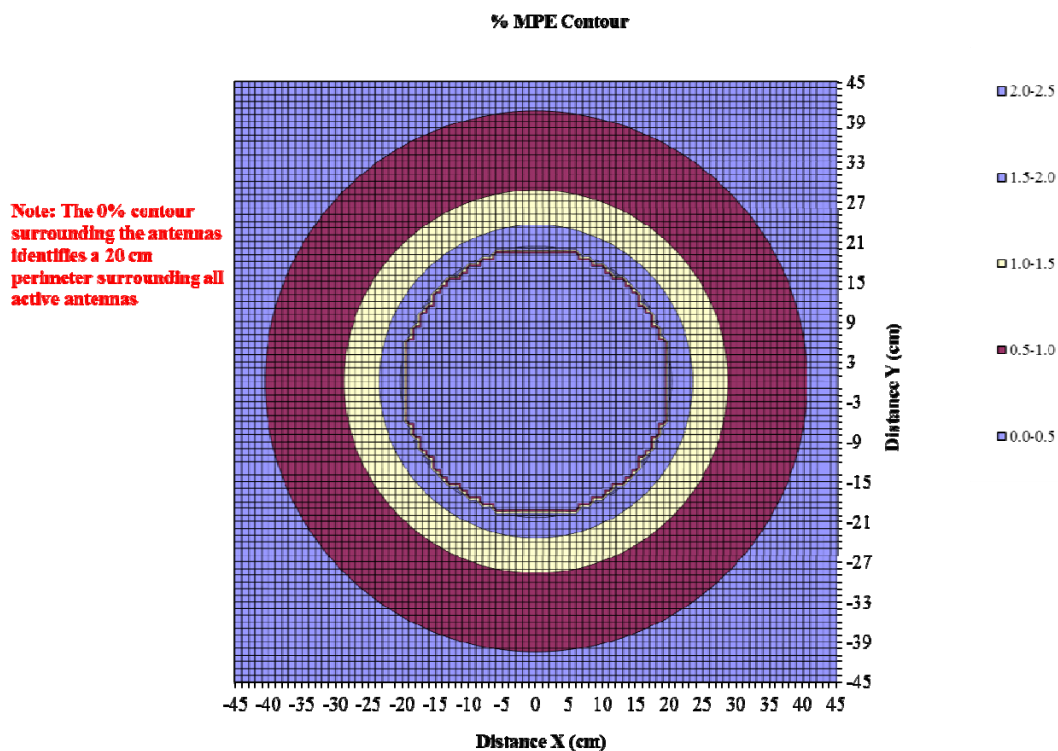
Frequency (MHz)	Power Density (mW/cm <sup>2</sup> )
<b>General public/Uncontrolled</b>	
1500-100000	1
<b>Occupational/Controlled</b>	
1500-100000	5

## 4. METHOD OF CALCULATION

Calculation is done according to KDB 447498 D01 v05r02 and using excel sheet provided by FCC at <http://transition.fcc.gov/oet/ea/presentations/files/oct05/MPE-mobile.xls>

## 5. RESULTS

Antenna No.	Total	1
Frequency (MHz)	-	2462
MPE General public/Uncontrolled Limit (mW/cm <sup>2</sup> )	-	1.00
Max % MPE	2.0	2.0
Power (W)	0.041	0.041
Antenna Gain (dBi)	-	4.00
EIRP (W)	0.103	0.103
X (cm)	-	0
Y (cm)	-	0



Maximum percentage of MPE limit is 2.0% occurring at minimum separation distance.

## 6. CONCLUSION

According to KDB 447498 D01 and FCC Title 47 Part 2.1091 and Part 1.1310, the RF exposure analysis concludes that RF exposure is FCC compliant.