



Global Product Certification
EMC-EMF Safety Approvals

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

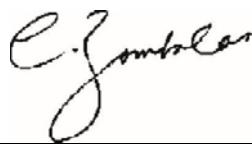
FCC Title 47, Part 2.1091, Part 1.1310

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: 28th and 29th May, 24th June and 3rd 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 ²)
General public/Uncontrolled	
1500-100000	1
Occupational/Controlled	
1500-100000	5

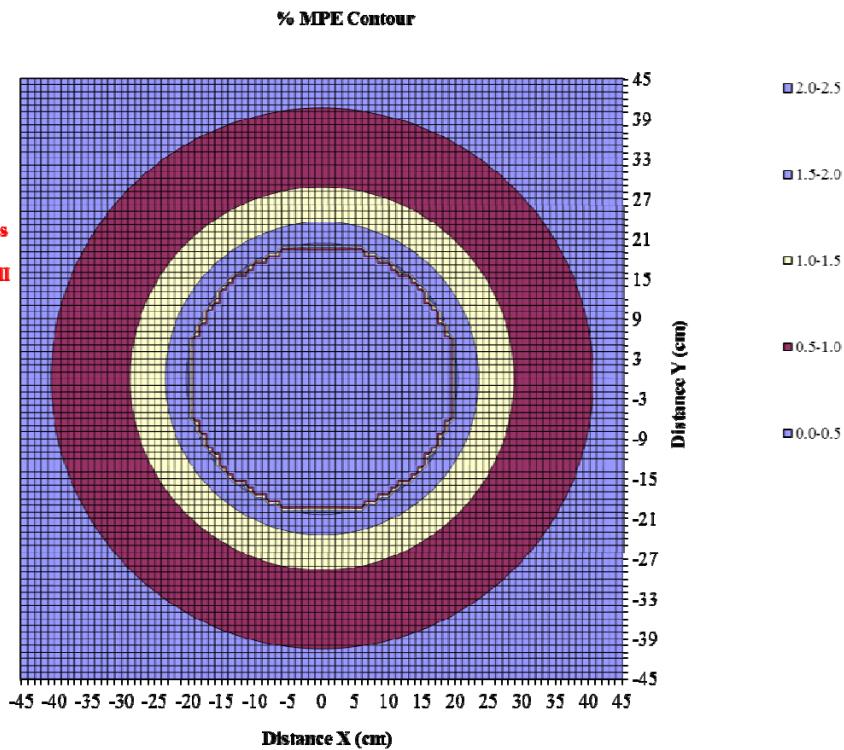
4. METHOD OF CALCULATION

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 ²)	-	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

Note: The 0% contour surrounding the antennas identifies a 20 cm perimeter surrounding all active antennas



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.