Radiated Emission Test Report

Contents

[1. Test lab facility 2](#_Toc465843478)

[Test Site: 2](#_Toc465843479)

[Facility name: 2](#_Toc465843480)

[Facility address: 2](#_Toc465843481)

[Facility site description: 2](#_Toc465843482)

[Test Standards 2](#_Toc465843483)

[EMC Directive 2014/30/EU 2](#_Toc465843484)

[Test Equipment: 2](#_Toc465843485)

[Environmental conditions: 3](#_Toc465843486)

[Test Operator and Date: 3](#_Toc465843487)

[2. Product Information 3](#_Toc465843488)

[3. EUT setup 4](#_Toc465843489)

[Photograph of EUT: 4](#_Toc465843490)

[4. Test Result 6](#_Toc465843491)

[5. Summary 9](#_Toc465843492)

# Test lab facility

## Test Site:

Facility name: Keysight Technology, Technology Order Fulfillment, Colorado Springs Hardware Test Center.

Facility address: 1900 Garden of the Gods Rd, Colorado Springs, CO. 80907

Facility site description:

3 Meter Semi-echoic chamber.

Note: *The radiated RF disturbance measurements were performed on an alternate test site of a semi–anechoic chamber at a 3 m distance. The 3 m test distance on an alternate test site is allowed because the EUT met the definition of small equipment in clause 3.10 and per clause 8.4 of CISPR 11:2009+A1:2010. The alternate test site semi–anechoic chamber meets the volumetric NSA validation requirements in CISPR 16–1–4 for the ±–4 dB from theoretical at all positions and antenna polarizations in the test volume*. *The limit for 10 meter site is adjusted by 10dB to fit 3 meter site.*

## Test Standards

### EMC Directive 2014/30/EU

IEC 61326-1:2012 / EN 61326-1:2013 (Basic) Radiated Emission Reference Standards:

CISPR 11:2009+A1:2010 / EN 55011:2009+A1:2010 Group 1 Class A. The products were tested in a typical configuration with Keysight Technologies test systems. This product is intended for use in a basic electromagnetic environment.

## Test Equipment:

|  |  |
| --- | --- |
| MXE Receiver Address | USB0::0x0957::0x0f0b::MY51210168::0::INSTR |
| Turn Table Address | gpib8 |
| Antenna Address | gpib9 |
| MXE Model S/N | MXE N9038A MY51210168 |
| MXE Calibration date | 12/8/2015 |
| Turntable SN | ETS LIndergen Model 2090 MY70235245 |
| Turtable calibraton date | 12/1/2015 |
| Antenna SN | ETS LIndergen Model 3142E |
| Antenna calibration date | 12/1/2015 |
| System loss calibration date | 4/1/2016 |
| NSA calibration date | 12/1/2015 |
| Test Standard | CISPER 11 Group 1 Class A RE |
| Test Site | Colorado Springs TOF Hardware Test Center 3 Meter anechoic chamber |
| Test Voltage | 110V |

## Environmental conditions:

Temperature: 72°F; Humidity :50 RH

Note: There will be no effect to the result due to changes in mains voltage or frequency.

## Test Operator and Date:

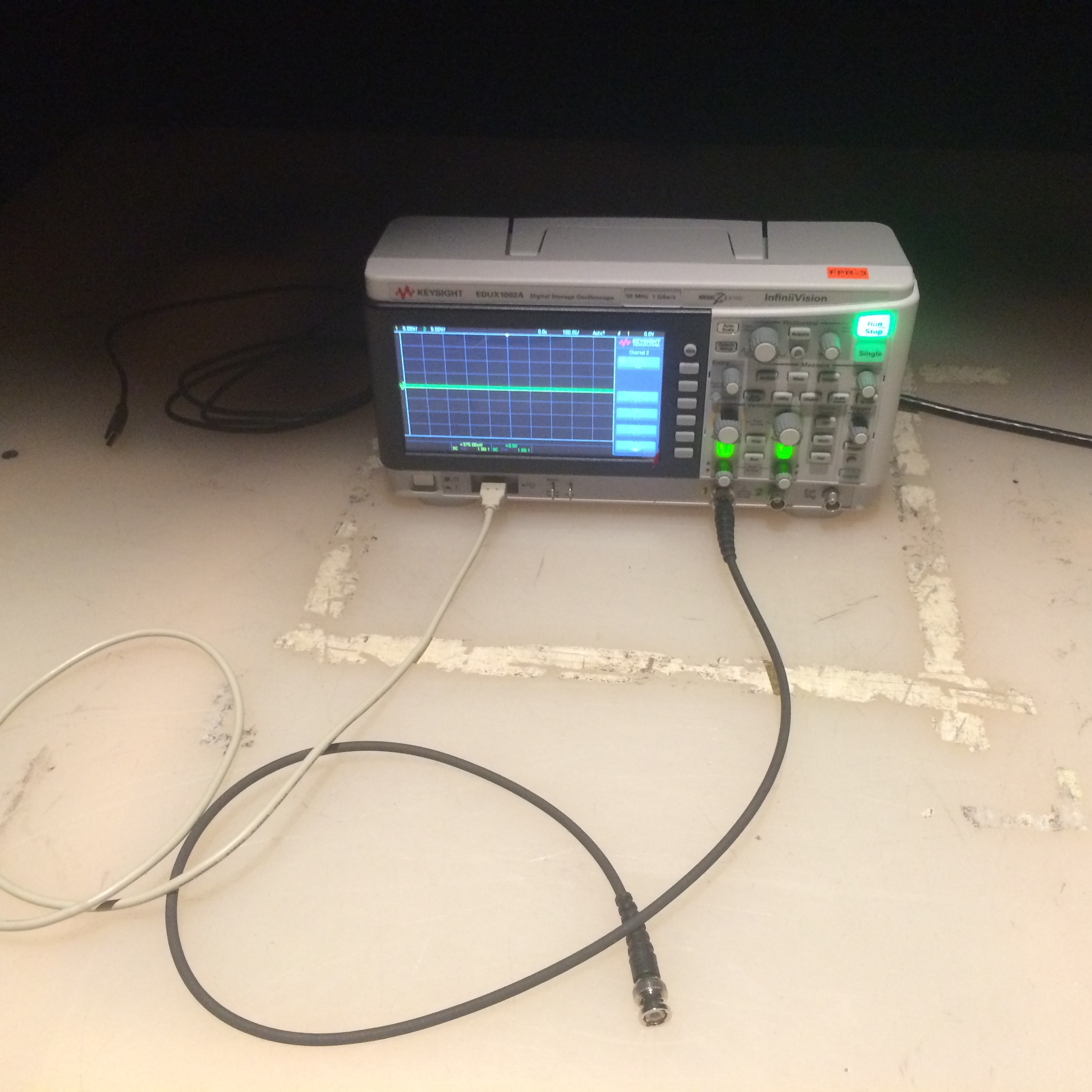
Operator: Clifford; Report generated at: Nov.02,2016 9:49:04 AM

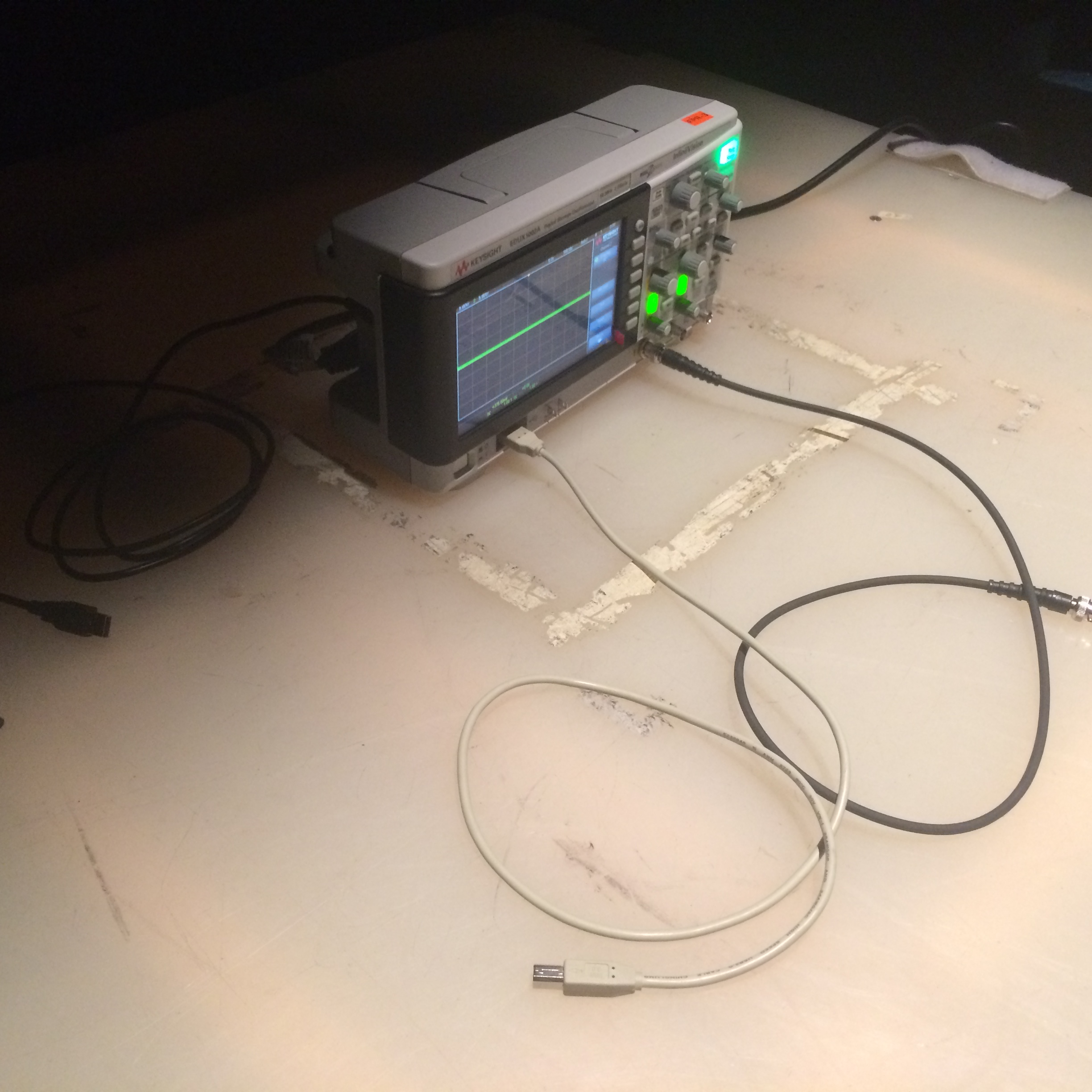
# Product Information

|  |  |
| --- | --- |
| Product Name: | Masupail 0C failure replaced DDR M FPR |
| Product Model: | EDUX1002G |
| Product SN: | FPR10 |
| Project Stage: | FPR |
| Deliver date of the test samples: | 10/28/2016 |
| DUT power: | 110V |
| Auxiliary equipment list: | BNC cable USB cables |
| Model numbers covered by the test: | N.A |
| .-Hardware Difference | N/a |
| .-Software/firmware difference: | N/a |
| .-Cosmetic difference: | NA |
| Test Configuration | asfter baseline with faster DDR (H) in BLT Failed OC at boot up condition. recheck the DDR (M) version |

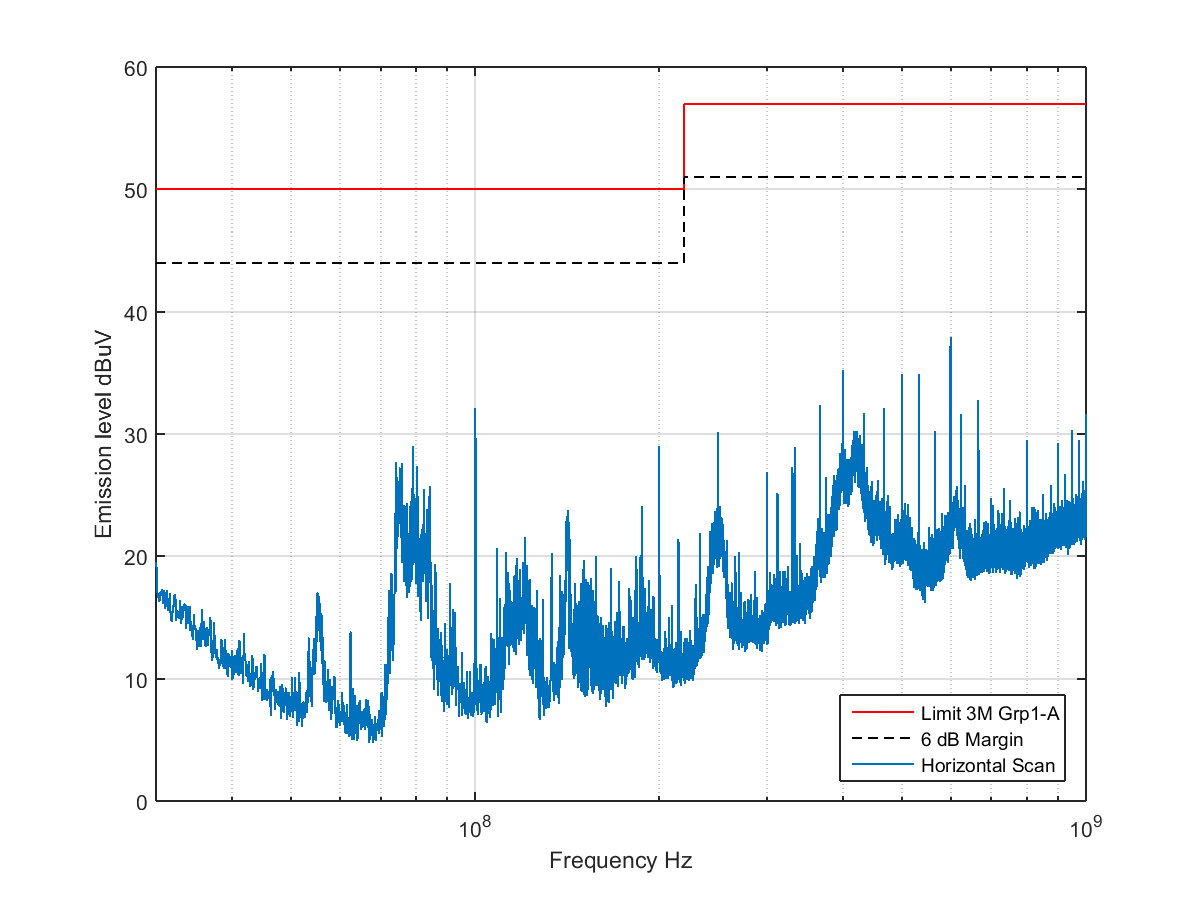
# EUT setup

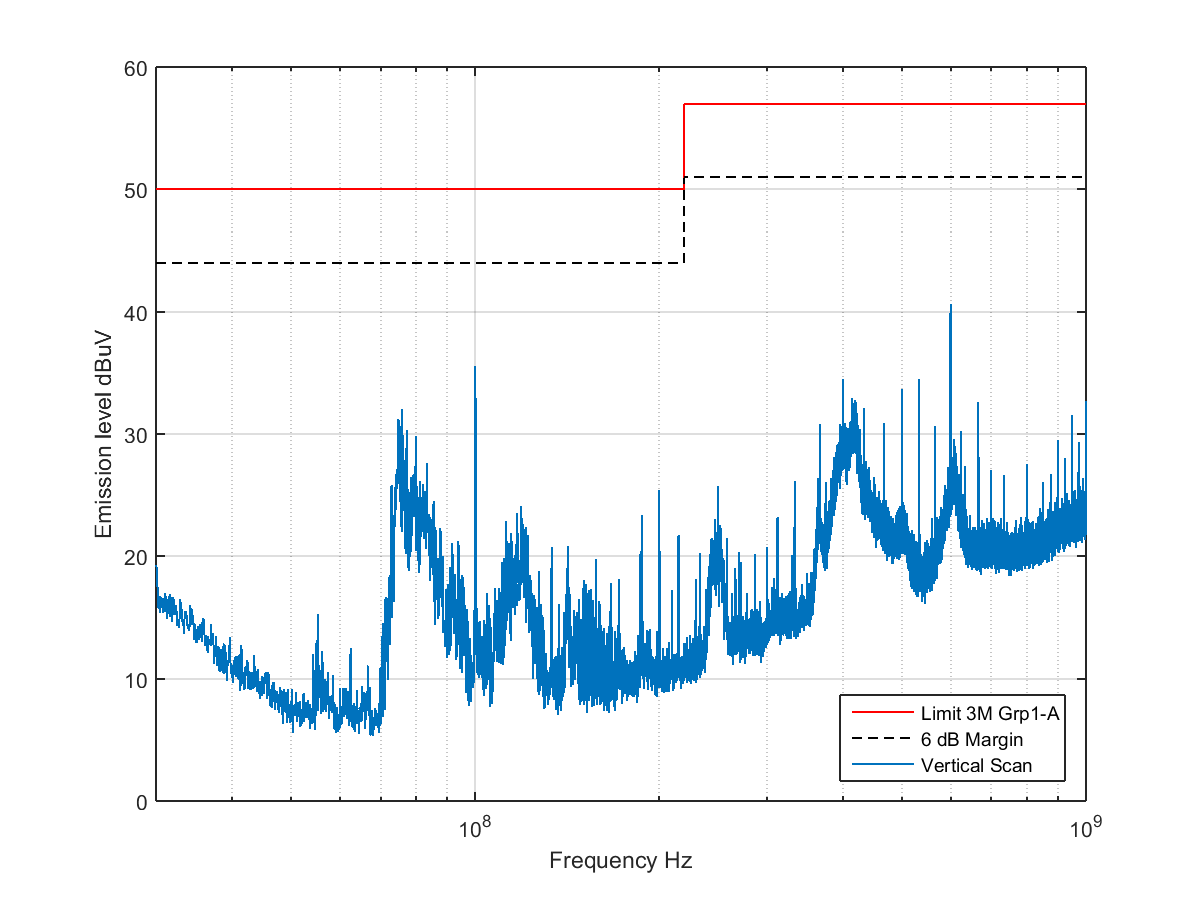
## Photograph of EUT:





# Test Result





# Summary

The unit Passed the Radiated Emission Test in Horizontal polarization!

The unit passed the Radiated Emission Test in Vertical polarization!