



VARISCITE LTD.

VAR-SOM-MX7

EMC Radiation test

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Document Revision History

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1.0	27/11/2017	Initial

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1 Introduction

This Document presents the VAR-SOM-MX7 EMC radiation test, held at the “THE STANDARDS INSTITUTION OF ISRAEL” EMC test labs (http://www.sii.org.il/896-en/SII_EN.aspx).

2 Test Set up

Test setup includes VAR-SOM-MX7 Rev 1.12 module assembled on a VAR-MX7CustomBoard carrier board Rev 1.1 powered by 5V linear power supply.

The following VAR-SOM-MX7 features were enabled:

1. Dual core ARM Cortex A7@ 996 Mhz
2. WLAN and BT controller
3. 24 Bit LCD controller
4. 2 x Ethernet controllers
5. Audio codec
6. eMMC

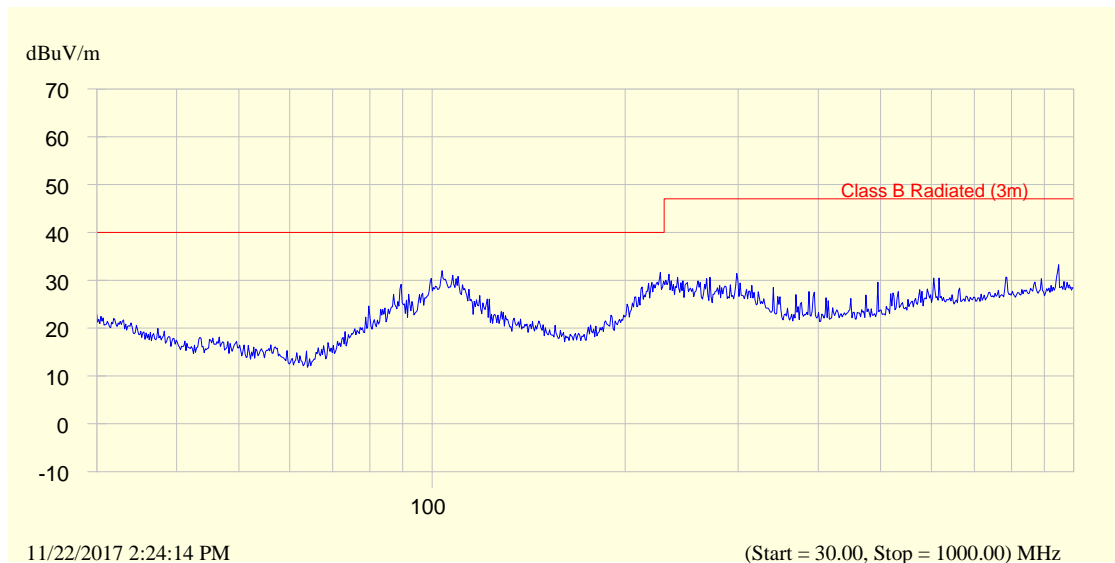
The following VAR-MX7CustomBoard features were enabled:

1. 3.3V DC-DC power supply
2. LVDS Display transmitter

3 Results

3.1 Radiation Spectrum

The blue graph represents Vertical & Horizontal polarity radiation frequency measurements. The dotted purple line is the EN55022 Class B standard limits



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