



VARISCITE LTD.

VAR-SOM-MX8M-MINI

EMC Radiation test

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Document Revision History

Revision	Date	Notes
1.0	17/12/2020	Initial

Table of Contents

Document Revision History	2
Table of Contents	3
1 Introduction	4
2 Test Set up.....	5
3 Results	5
3.1 Radiation Spectrum.....	5
4 Legal Notice	6
5 Warranty Terms	7
6 Contact Information.....	8

1 Introduction

This Document presents the VAR-SOM-MX8M-MINI 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

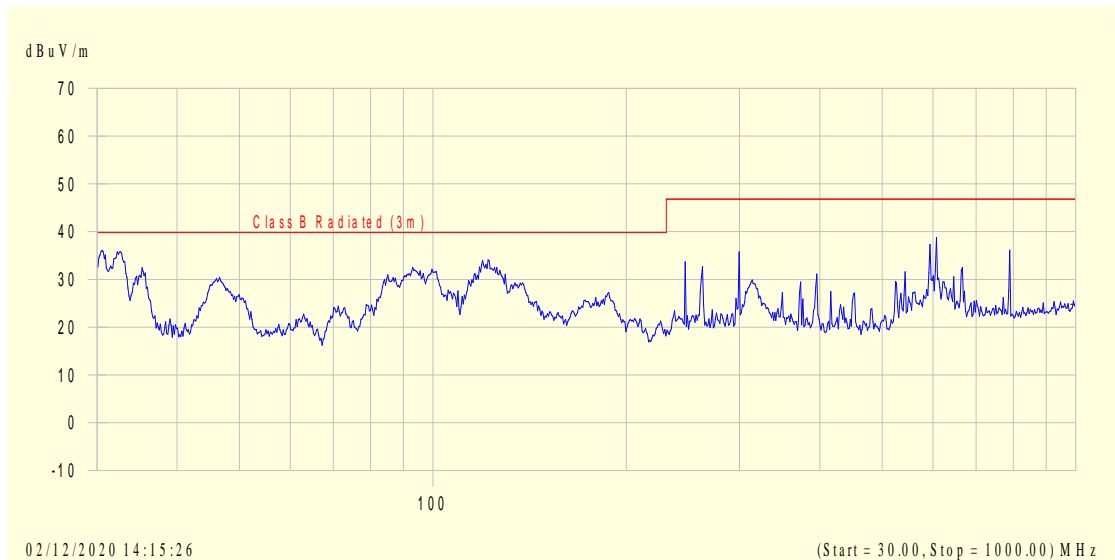
Test setup included a stock VAR-SOM-MX8M-MINI Rev 1.2A module assembled on a Symphony-Board carrier board Rev 1.4A, powered by 12V linear power supply. All SOM features were enabled, Ethernet port of the carrier board was connected to Ethernet switch. A script running continuous scan for WLAN access points and eMMC writes was executed.

Note: Isolation resistors RN1,RN2,RN3,R151,R136 were not assembled on the Symphony-Board.

3 Results

3.1 Radiation Spectrum

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



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6 Contact Information

Headquarters:

Variscite Ltd.

4, Hamelacha st. Lod
Israel

Tel: +972 (9) 9562910
Fax: +972 (9) 9589477

Sales: sales@variscite.com

Technical Support: support@variscite.com

Corporate Website: www.variscite.com

