



VARISCITE LTD.

VAR-SOM-MX93

EMC Radiation test

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Document Revision History

Revision	Date	Notes
1.0	27/10/2024	Initial

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1 Introduction

This Document presents the VAR-SOM-MX93 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

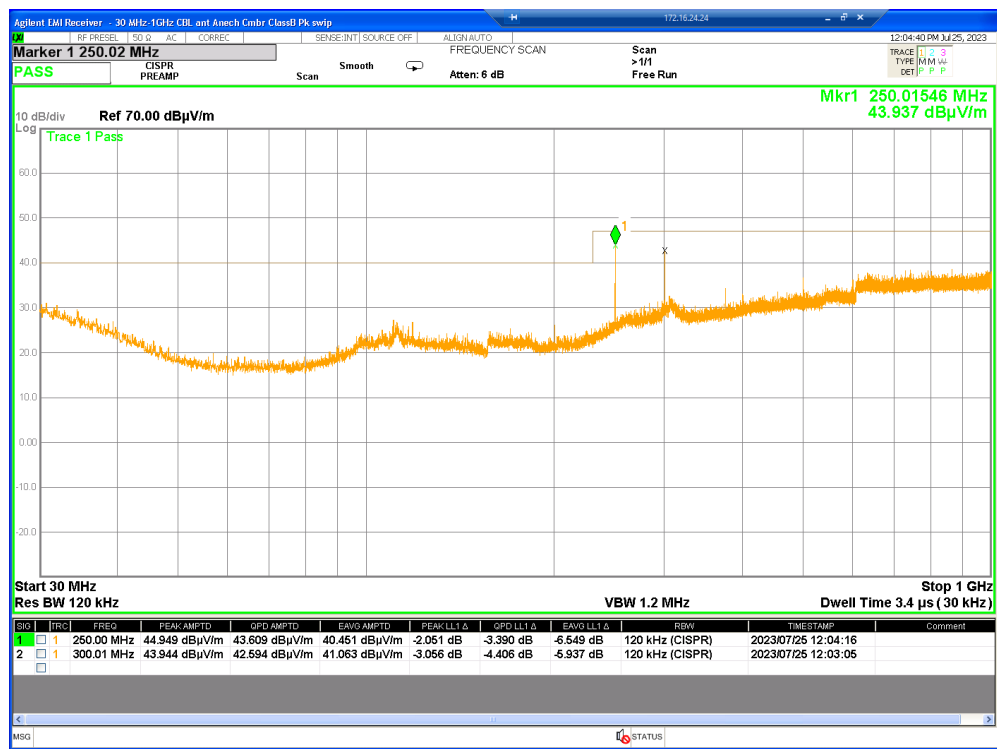
Test setup included a stock VAR-SOM-MX93 Rev 2.0 module assembled on a Symphony-Board carrier board Rev 1.6C, powered by 12V linear power supply. All SOM features except for LVDS were enabled. A script running continuous scan for WLAN access points and eMMC writes was executed.

[Note: when using LVDS, it is recommended to add common mode chokes/ferrites on the LVDS lines for improvement of EMI suppression.]

3 Results

3.1 Radiation Spectrum

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



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