



VARISCITE LTD.

VAR-SOM-SOLO

EMC Radiation test

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Document Revision History

Revision	Date	Notes
1.0	21/Dec/2014	Initial

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1 Introduction

This Document presents the VAR-SOM-SOLO 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-SOLO Rev 1.0 module assembled on a VAR-SOLOCustomBoard Rev 1.1 carrier board, powered by 5V linear power supply.

The following VAR-SOM-SOLO features were enabled:

1. 1.0 Ghz single core @ 100% utilization
2. eMMC
3. WLAN and BT controller
4. 24 Bit LCD controller
5. Ethernet controller
6. Audio codec

The following VAR-SOLOCustomBoard features were enabled:

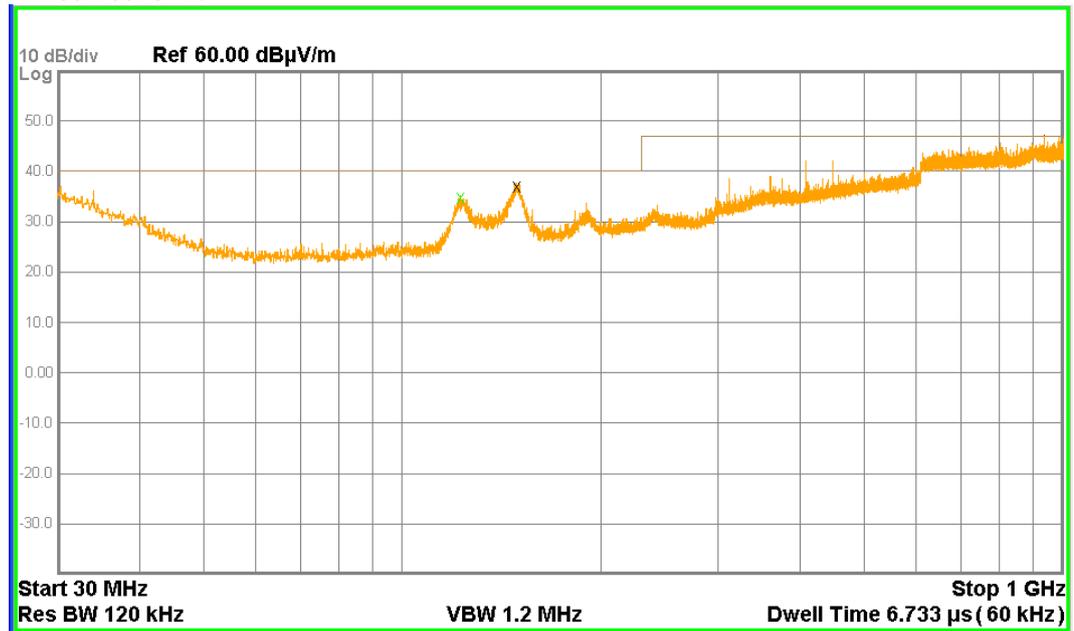
1. 3.3V DC-DC power supply

3 Results

3.1 Radiation Spectrum

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

VAR-SOM-SOLO v1.0



3.2 Peak Frequency Measurement

Frequency, Mhz	Peak, dBμV/m	QP, dBμV/m	QP Limit, dBμV/m	Delta QP (dB)
122.340	35.270	31.11	40.00	-8.89
148.500	37.340	33.34	40.00	-6.66

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