



VARISCITE LTD.

DART-6UL

EMC Radiation test

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Document Revision History

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1.0	19/05/2016	Initial

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1 Introduction

This Document presents the DART-6UL 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 DART-6UL Rev 1.21 module assembled on a VAR-6ULCustomBoard carrier board Rev 1.21, powered by 5V linear power supply.

The following DART-6UL features were enabled:

1. Single core ARM Cortex A7@ 528 Mhz
2. WLAN and BT controller
3. 24 Bit LCD controller
4. Ethernet controller
5. Audio codec

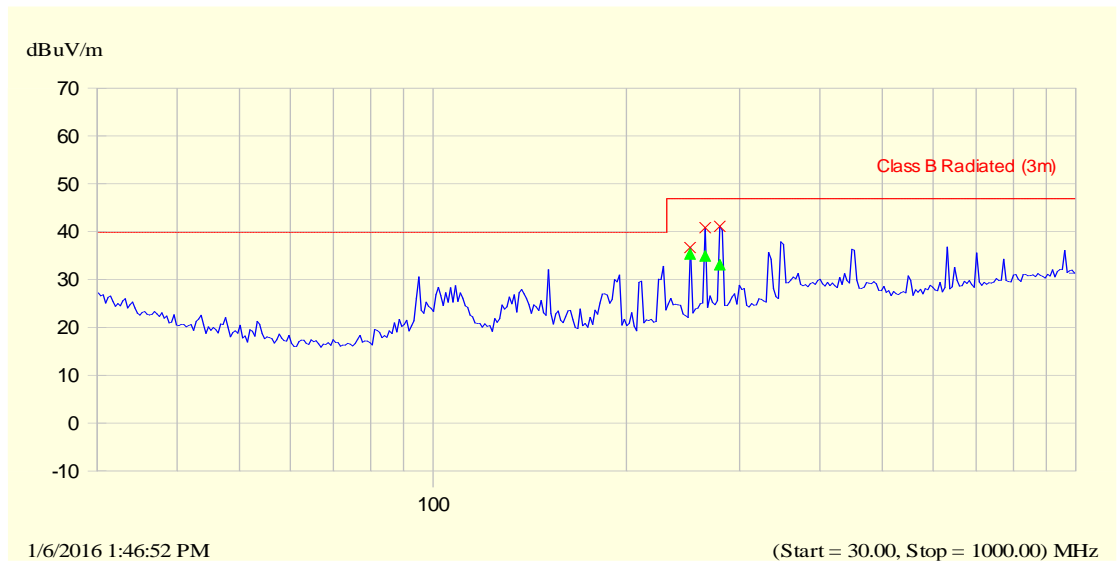
The following VAR-6ULCustomBoard features were enabled:

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 red line is the EN55022 Class B standard limits



3.2 Peak Frequency Measurement

Frequency, Mhz	Peak, dBμV/m	QP, dBμV/m	QP Limit, dBμV/m	Delta QP (dB)
250.000	36.8	35.4	47.0	-11.6
263.819	40.9	35.0	47.0	-11.9
278.067	41.2	33.2	47.0	-13.8

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