



VARISCITE LTD.

DART-6UL-5G

EMC Radiation test

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Document Revision History

Revision	Date	Notes
1.0	23/07/2017	Initial

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1 Introduction

This Document presents the DART-6UL-5G 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-5G Rev 2.0 module assembled on a VAR-6ULCustomBoard carrier board Rev 2.0, powered by 5V linear power supply.

The following DART-6UL-5G 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

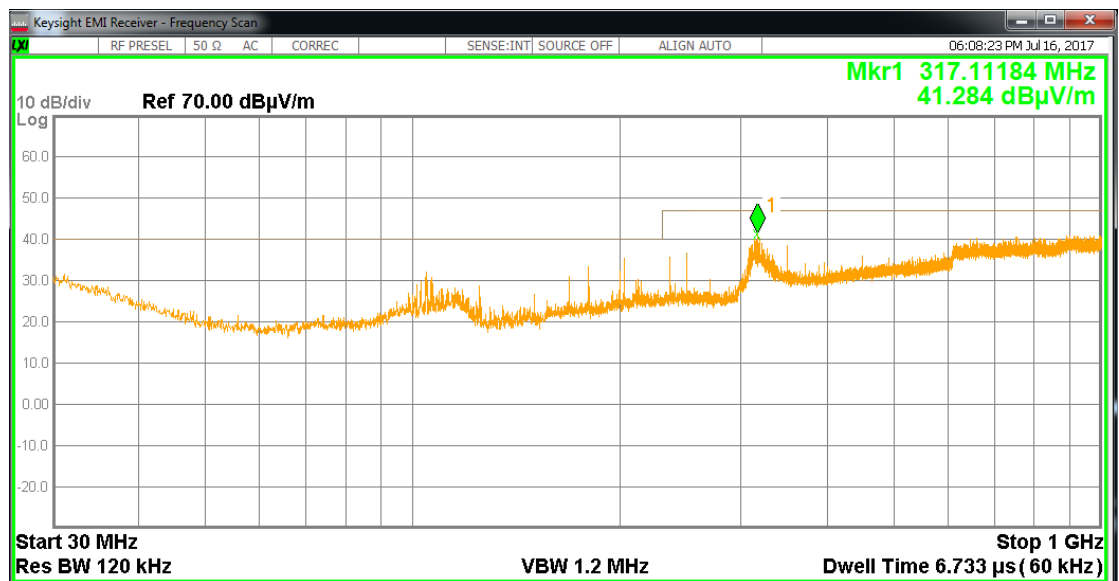
The following VAR-6ULCustomBoard features were enabled:

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

3 Results

3.1 Radiation Spectrum

The orange graph represents Vertical & Horizontal polarity radiation frequency measurements. The horizontal 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)
315.25	42.689	38.088	47.0	-8.912

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