



VARISCITE LTD.

DART-MX93

EMC Radiation test

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Document Revision History

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1 Introduction

This Document presents the DART-MX93 EMC radiation test, held at the “THE STANDARDS INSTITUTION OF ISRAEL” EMC test labs (<https://www.sii.org.il/en/>).

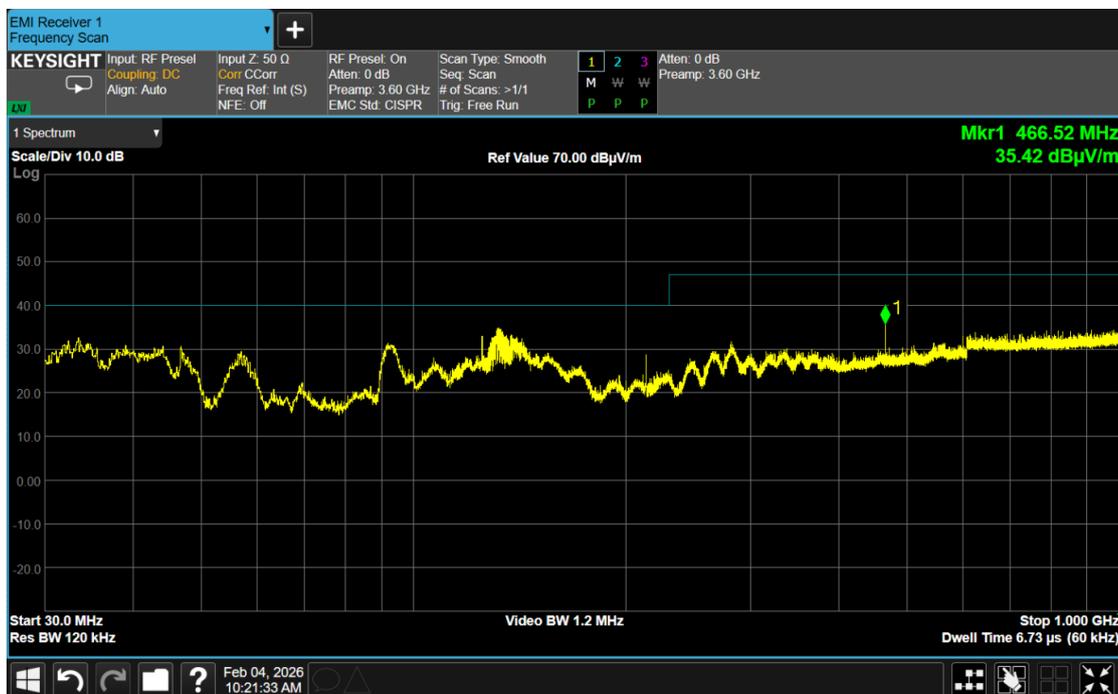
2 Test Set up

Test setup included a stock DART-MX93 Rev 1.1 module assembled on a Sonata-Board carrier board Rev 1.1C, powered by 12V linear power supply. All SOM features were enabled. Two Ethernet ports were intentionally connected with a patch cable for loopback testing. A script running continuous scan for WLAN access points, eMMC and DDR writes were executed and ping between the two Ethernet ports was established.

3 Results

3.1 Radiation Spectrum

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



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