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VARISCITE LTD.

DART-MX93 EMC Radiation Report

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1 Revision History

Revision	Date	Notes
1.0	February,2026	Initial – Preliminary
1.1	March, 2026	New format

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3 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/>).

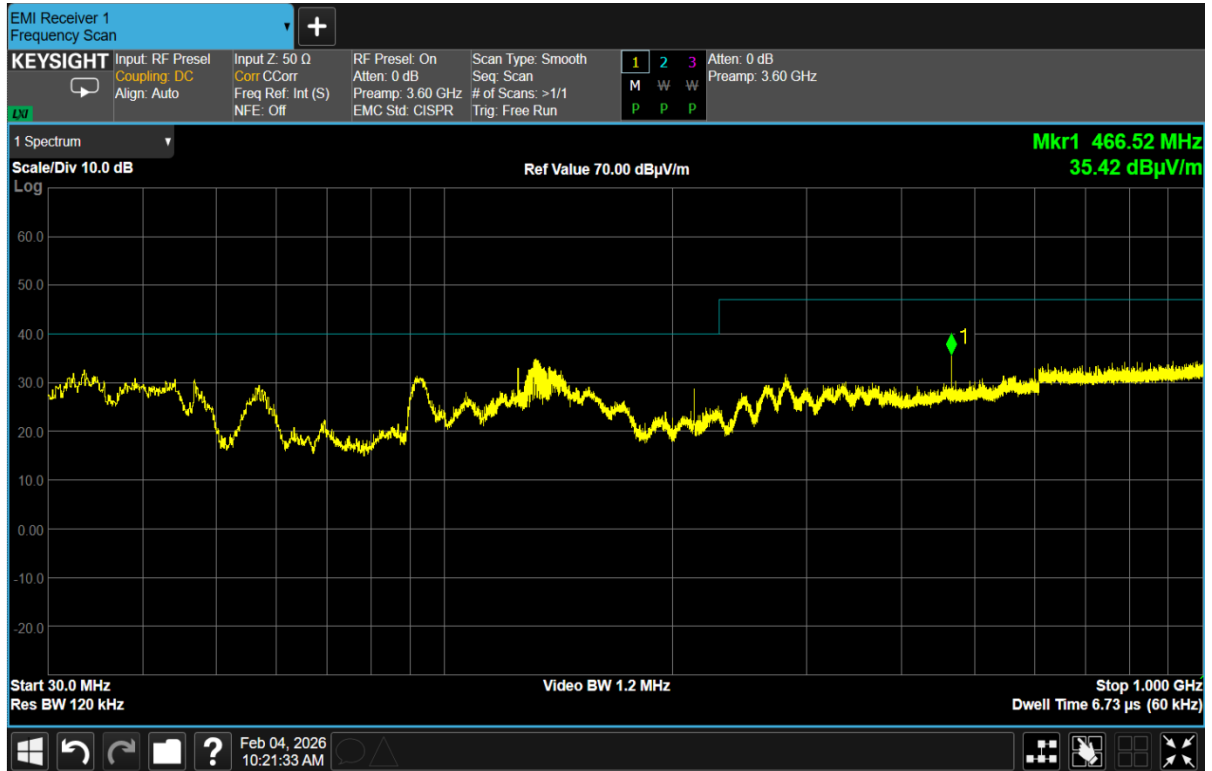
4 Test Set up

Test setup included a stock DART-MX93 Rev1.1 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.

5 Results

5.1 Radiation spectrum – Vertical & Horizontal

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



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