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VARISCITE LTD.

# DART-MX8M-PLUS V2 EMC RADIATION REPORT

**VARISCITE LTD.**

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Variscite Ltd.  
4, Hamelacha Street  
Lod  
P.O.B 1121  
Airport City, 70100  
ISRAEL

Tel: +972 (9) 9562910

Fax: +972 (9) 9589477

# 1 Revision History

Revision	Date	Notes
1.0	March,2026	Initial – Preliminary

## 2 Table of Contents

1	Revision History.....	3
2	Table of Contents .....	4
3	Introduction .....	5
4	Test Set up.....	5
5	Results .....	6
	5.1 Radiation spectrum - Vertical.....	6
	5.2 Radiation spectrum - Horizontal.....	7
6	Legal notice.....	8
7	Warranty Terms.....	9
8	Contact information .....	10

### 3 Introduction

This Document presents the DART-MX8M-Plus V2 EMC radiation test, held at the "THE STANDARDS INSTITUTION OF ISRAEL" EMC test labs (<https://www.sii.org.il/en/>).

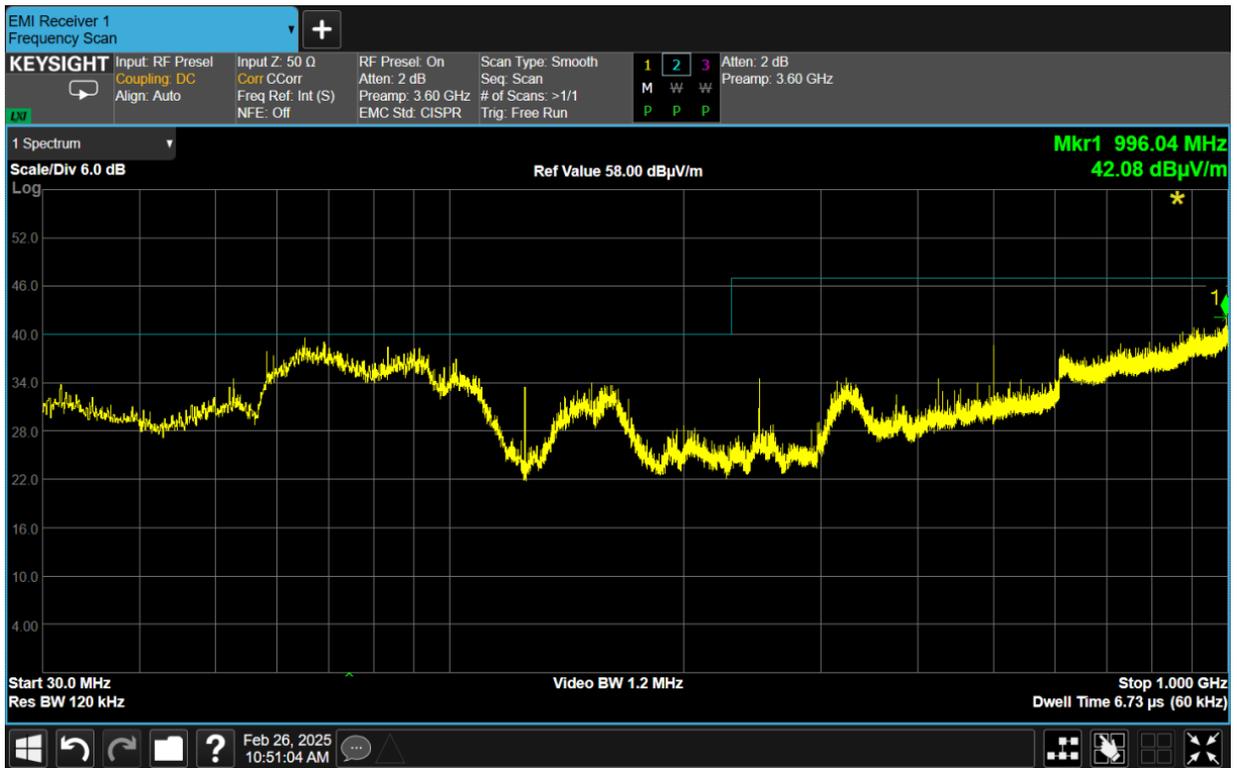
### 4 Test Set up

Test setup included a stock DART-MX8MP Rev2.0 module assembled on a Sonata-Board carrier board Rev 1.1, powered by 12V linear power supply. All SOM features were enabled. Two Ethernet ports were connected to ETH SW. 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

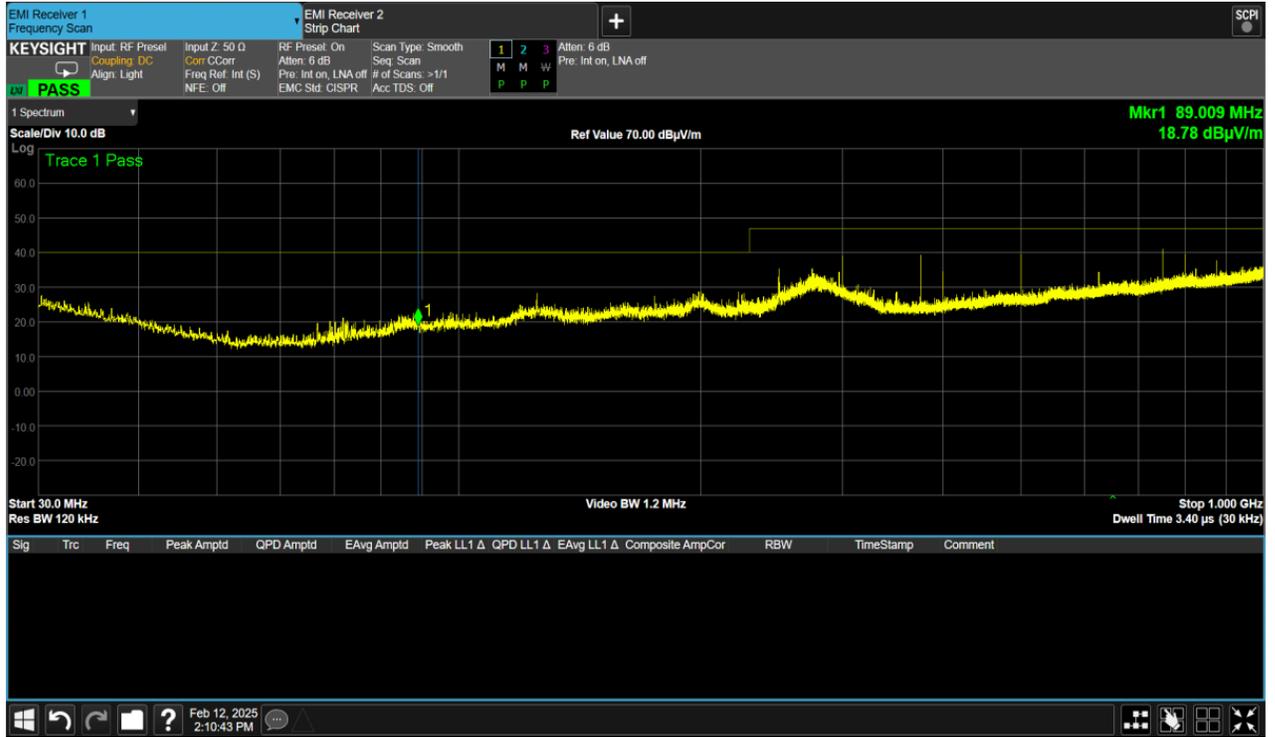
### 5.1 Radiation spectrum - Vertical

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



## 5.2 Radiation spectrum - Horizontal

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



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## 8 Contact information

### Headquarters

Variscite LTD  
4, Hamelacha St.  
Lod.  
P.O.B 1121  
Airport City, 70100  
ISRAEL  
Phone +972 (9) 9562910 • Fax +972 (9) 9589477

Tel: +972 (9) 9562910

Fax: +972 (9) 9589477

Sales: [sales@variscite.com](mailto:sales@variscite.com)

Technical support: [support@variscite.com](mailto:support@variscite.com)

Website: [www.variscite.com](http://www.variscite.com)

