



Testing Tomorrow's Technology

Report of:

EN 55011: 2016

**Industrial, Scientific and Medical Equipment- Radio Frequency Disturbance
Characteristics- Limits and methods of measurements**

And

EN 61326-1: 2013

**Electrical Equipment for measurement, control and laboratory use
- EMC Requirements -
Emissions and Immunity Tests**

For the

Metal Samples Company

Model:

MS27XXE and MS28XXE

UST Project No: 23-0014 / 23-0015

Test Dates: February 15-17, 2023

Issue Date: February 20, 2023

Total Number of Pages Contained Within This Report: 66

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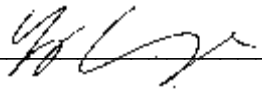
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I certify that I am authorized to sign for the manufacturer and that all of the statements in this report and in the Exhibits attached hereto are true and correct to the best of my knowledge and belief:

US Tech (Agent Responsible For Test):

By: 

Name: George Yang

Title: Laboratory Manager

Date: February 20, 2023



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5 Modifications and Test Results Summary

No modifications were performed by US Tech.

Table 40. Modifications to EUT Hardware

Test Method	Result	Modification(s) Required
Radiated emissions (CISPR 11)	PASS	No modification
Conducted emissions (CISPR 11)	PASS	No modification
Electrostatic Discharge Immunity Test (IEC61000-4-2)	PASS	No modification
Radiated Electromagnetic Field Requirements (IEC 61000-4-3)	PASS	No modification
Electrical Fast Transient /Burst Immunity Test (IEC 61000-4-4)	PASS	No modification
Surge Immunity Test (IEC 61000-4-5)	N/A	No modification
Conducted RF on Power leads (IEC 61000-4-6)	PASS	No modification
Radiated Immunity to Magnetic Fields (IEC 61000-4-8)	N/A	No modification
Voltage Dips, Short Interruptions and Voltage Variations Immunity Test (IEC 61000-4-11)	N/A	No modification

6 Test Outcome

The EUT, as configured and tested in this test report is deemed to meet both the emissions and immunity requirements of EN 61326-1:2013, for equipment located in Industrial Electromagnetic environments.