財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No：L3718-231208)

This is to certify that

National Chung-Shan Institute of Science & Technology

EMP LAB

Building W47,No.566, Ln. 134, Longyuan Rd., Longtan Dist., Taoyuan City 325, Taiwan (R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria	：	ISO/IEC 17025:2017；CNS 17025:2018
Accreditation Number	：	3718
Originally Accredited	：	December 11, 2020
Effective Period	：	December 11, 2023 to December 10, 2026
Accredited Scope	：	Testing Field, see described in the Appendix

Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
December 08, 2023

The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix

Accreditation Number ：3718

Laboratory Head ：CHIEN, Wu-Long

◤ 17. 99 Metrical Instrument
FIXED FACILITIES/TRANSPORTABLE SYSTEMS
E026 SHIELDING EFFECTIVENESS
MIL-STD-188-125-1, Appendix A
MIL-STD-188-125-2, Appendix A
IEEE Std 299
(On-site testing included)
Only for
Magnetic field shielding effectiveness: (10 kHz to 20 MHz)
Plane wave shielding effectiveness: (20 MHz to 1 GHz)
Dynamic Range: 46 dB at 10 kHz; 61 dB at 100 kHz; 80 dB at 1 MHz; 102 dB at 10 MHz; 133 dB at 100 MHz; 109 dB at 1 GHz
Test Frequency: 10 kHz to 1 GHz

Approval Signatory: WU, Kuo-Hsiang; CHIEN, Wu-Long

◤ 19. 99 Electronic and Electric
FIXED FACILITIES/TRANSPORTABLE SYSTEMS
E002 Pulse Current Injection (PCI)
MIL-STD-188-125-1, Appendix B
MIL-STD-188-125-2, Appendix B
Only for
Standard PCI Source Waveforms:
1.Intrasite/Intrersite power line POEs: Short pulse common mode, Short pulse wire-to-ground; Intermediate pulse common mode, Intermediate pulse wire-to-ground;
2.Intrasite/Intrersite control/signal/data line POEs: Short pulse common mode, Short pulse wire-to-ground; Intermediate pulse common mode, Intermediate pulse wire-to-ground;
3.Intrasite/Intrersite audio/data Line: Short pulse common mode, Short pulse wire-to-ground; Intermediate pulse common mode, Intermediate pulse wire-to-ground;

Approval Signatory: WU, Kuo-Hsiang; CHIEN, Wu-Long

◤ 19. 99 Electronic and Electric
SUBSYSTEMS AND EQUIPMENT
E002 Radiated susceptibility-transient electromagnetic field
Laboratory developed methods -
EMP3-TE03 transient electromagnetic field test manual
Only self-defined pulsed field waveforms -
Maximum electromagnetic field strength: 50±10 kV/m
Marx generator maximum output: 270±30 kV
Marx generator Rise time: ≦20 ns
Marx generator FWHM: 150 ± 50 ns

Approval Signatory: WU, Kuo-Hsiang; CHIEN, Wu-Long

(Null below)