

MLT Lab Surge Test Report

PRODUCT	PCBA Model : BSU-1702 Unit Model : NISP/POE-ISP (Planning to Indoor IP50 Plastic Housing) NOSP/POE-OSP (Planning to Outdoor IP68 Aluminum Housing)
MODEL NAME	Test Main Board : BSU-1702

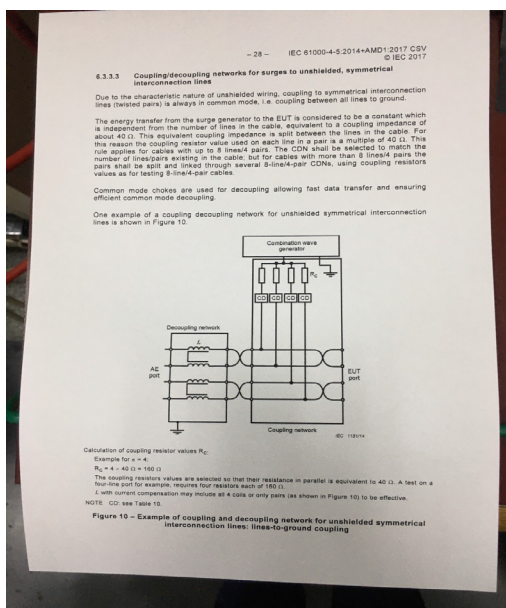
Date : 2021/11/15Writer : Kenny Chen

TEST EQUIPMENT

1. LSS-F03

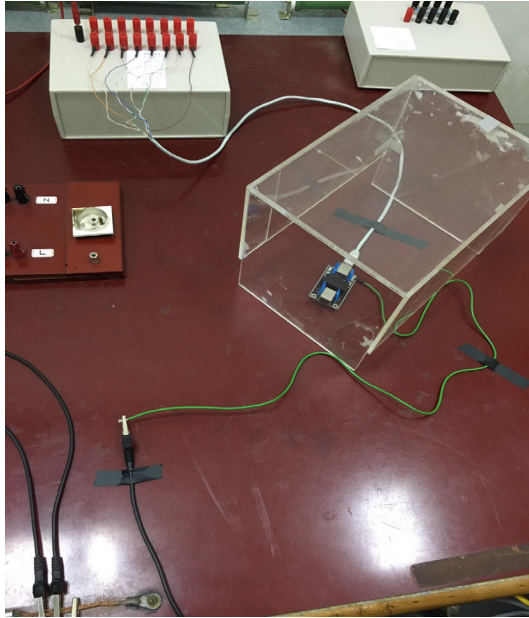


2. Test Setup Reference Paper

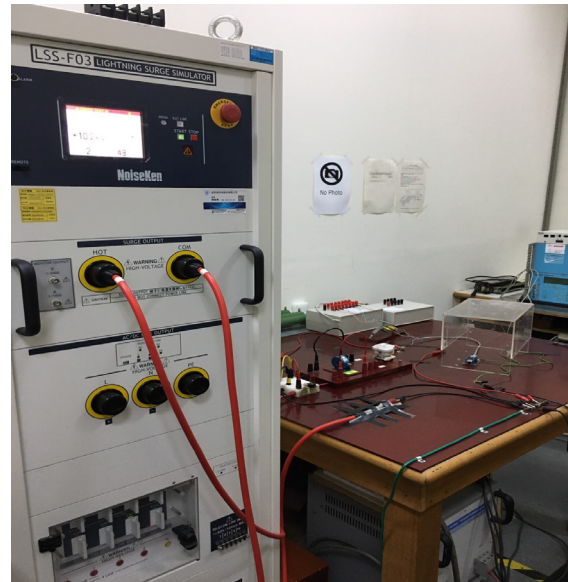
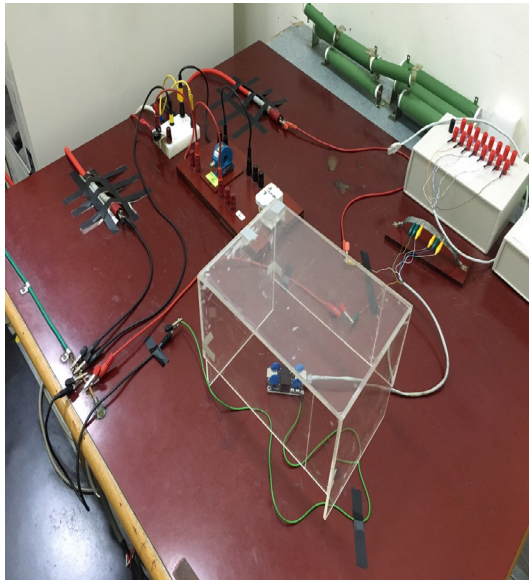


3.

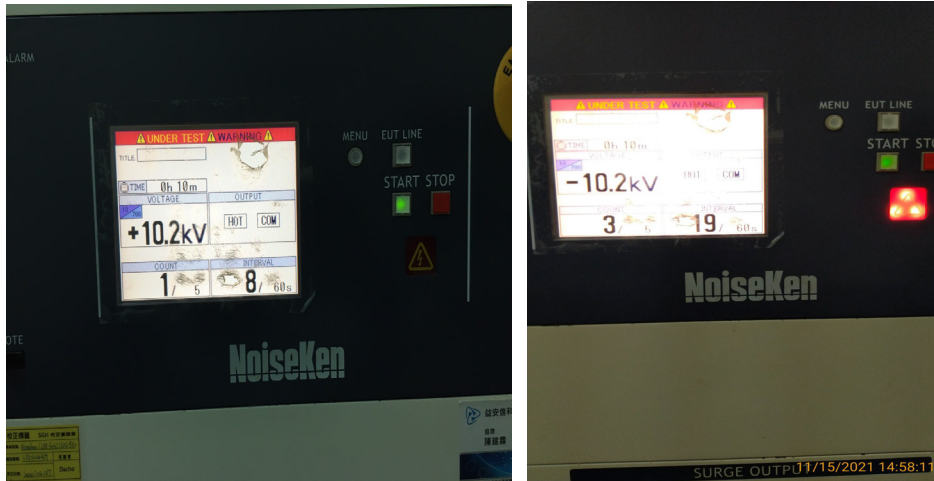
(a) +/- 10KV Line to GND Test & Setup



(b) +/- 10KV Line to Line Test & Setup



(C) +10.2KV , -10.2KV Test



TEST ITEM

PORT TYPE	STANDARD	WAVEFORM	CONDITION
POE Port	IEC-61000-4-5	10/700us	L-G +/-10.2KV , L to L +/-10.2KV.

TEST RESULT

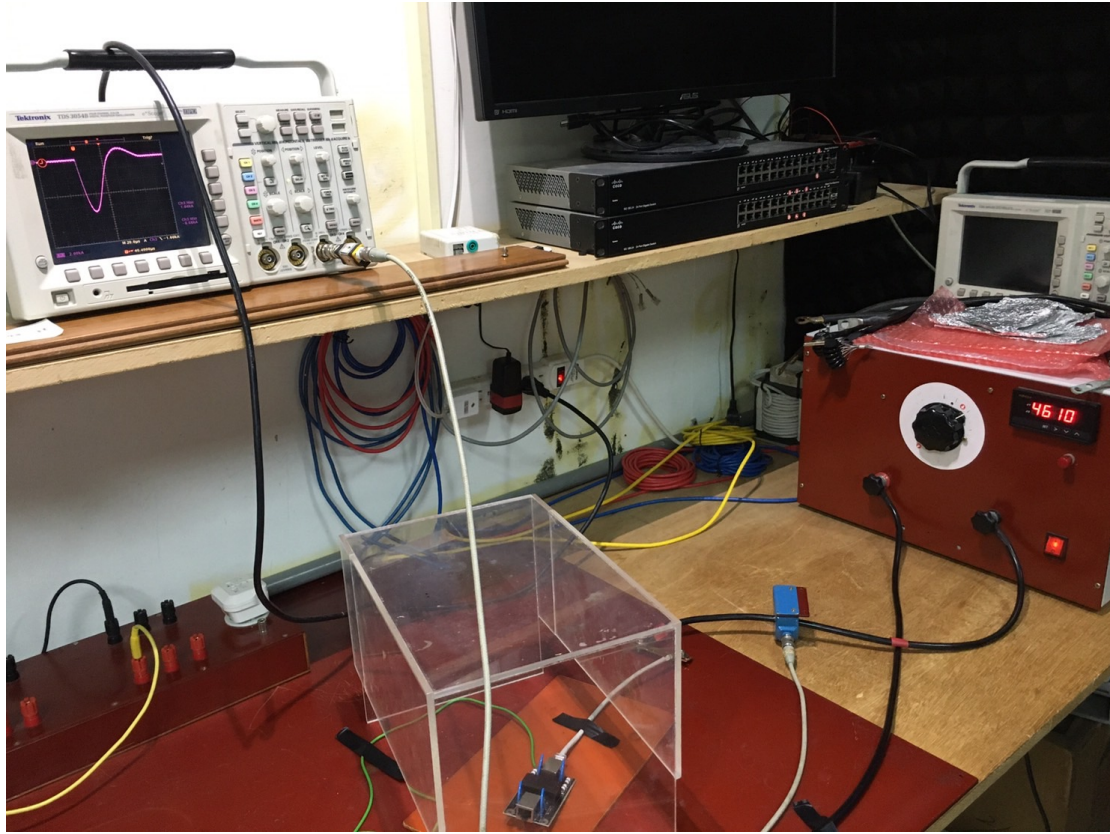


Model : POE-ISP/OSP Date : 2021/ 11/ 15 Test No.: R1101122

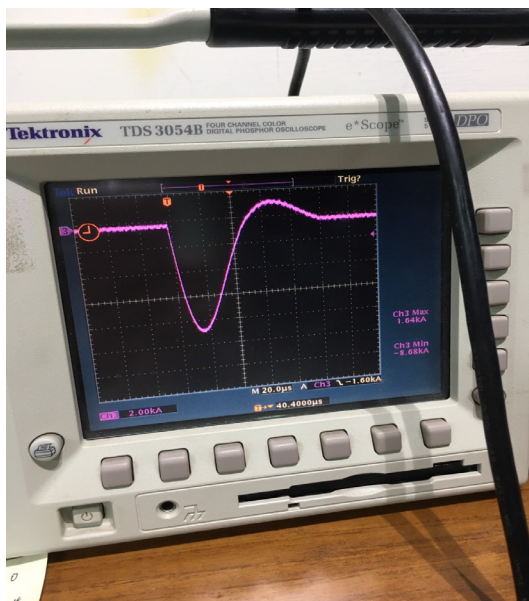
Customer : 智鼎 Engineer : Mars Chuang

Item	Level (kV)	waveform	Interval/Times	Z(Ω)	Result	Condition
1 LAN-GND	10	10x700	60S	±5 15+25*8	<input checked="" type="checkbox"/> Pass / <input type="checkbox"/> Fail	
2 Line-Line	10	10x700	60S	±5 15+25	<input checked="" type="checkbox"/> Pass / <input type="checkbox"/> Fail	Conductor1 to Conductor2
3 Line-Line	10	10x700	60S	±5 15+25	<input checked="" type="checkbox"/> Pass / <input type="checkbox"/> Fail	Conductor3 to Conductor6
4 Line-Line	10	10x700	60S	±5 15+25	<input checked="" type="checkbox"/> Pass / <input type="checkbox"/> Fail	Conductor4 to Conductor5
5 Line-Line	10	10x700	60S	±5 15+25	<input checked="" type="checkbox"/> Pass / <input type="checkbox"/> Fail	Conductor7 to Conductor8

4. +/- 10KA Test & Setup



+/-10KA Waveform



TEST ITEM

PORT TYPE	STANDARD	WAVEFORM	CONDITION
POE Port	EN61643-21	8/20us	L-G 10KA

TEST RESULT



Model : POE-ISP/OSP Date : 2021/11/15 Test No.: R1101122

Customer : 智鼎 Engineer : Mars Chuang

	Item	To earth	I (kA)	Interval/Times	waveform	Result	Condition
1	LAN-GND	NOT	10	60S ±5	■ 8/20us	■ Pass / □ Fail	