

SGS 電磁波檢測報告



發行日期：中華民國 111 年 09 月 20 日

Test Report Form No.: SGS 低頻 60Hz 電磁場之測試報告_01

Master TRF: 2019_03

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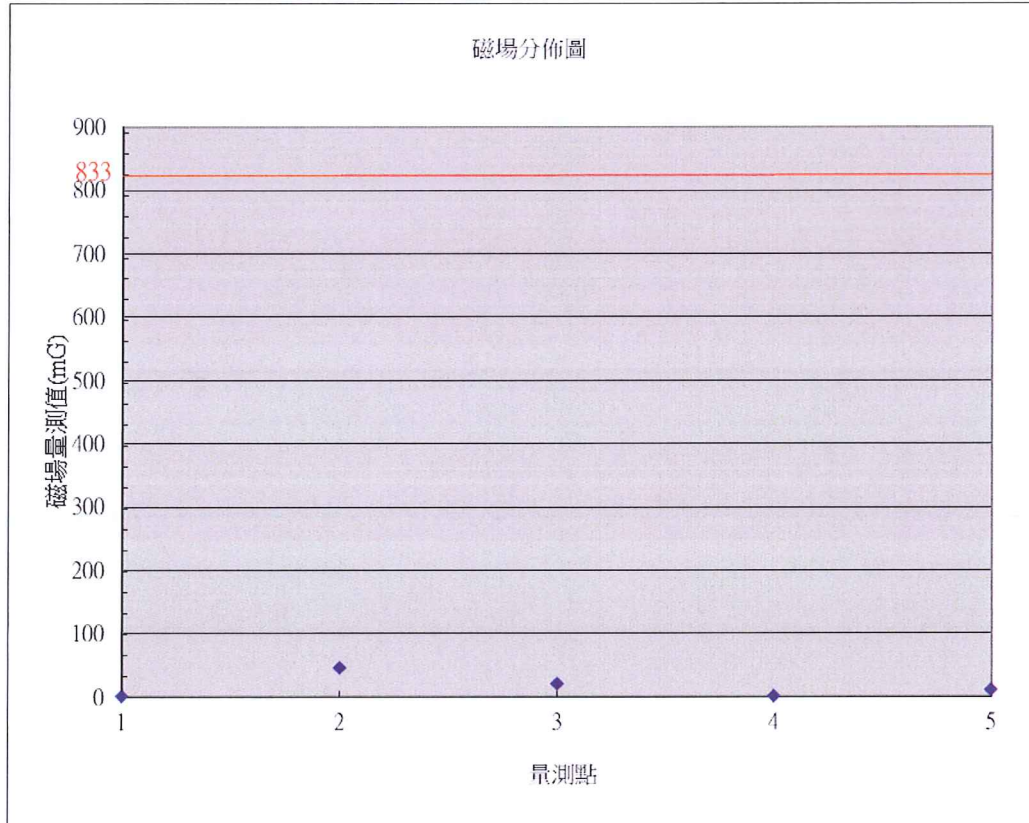
低頻 60Hz 電磁場之量測結果

量測日期 : 中華民國111年 9月 14日		溫濕度:30°C, 63 %
委託日期 : 中華民國111年 8月 23日		
申請人地址 : 臺北市大安區永康里金華街199巷5號		
顧客名稱 : 淡江大學學校財團法人淡江大學		
量測位置 : 新北市淡水區英專路 151 號商管大樓 8 樓		
參考文件 : 1. 行政院環境保護署公告「環境中極低頻電場與磁場檢測方法」(NIEA P202.93C) (環署檢字第 1060008518 號)。 2. 行政院環境保護署公告「限制時變電場、磁場及電磁場曝露指引」 (環署空字第 1090004463 號)。		
測試點 T	磁場 毫高斯 mG	量測結果
1. B854	1.643	60Hz 磁通量密度建議值 < 833 mG <input checked="" type="checkbox"/> 符合 <input type="checkbox"/> 不符合
2. Ba853	46.22	
3. 夾層西側走道	20.65	
4. 夾層東側走道	0.533	
5. 西側走道	10.40	
量測機構:台灣檢驗科技股份有限公司		
量測人員:陳信憲  工程師	單位主管:林建興  技術經理	

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電磁場分佈圖



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量測儀器

儀器名稱	廠牌	型號	序號	校正日期	校正週期
B-Field Meter EFA-300	Narda	2245/30	K-0009	2022/07/04	1 年
B-Field Probe 100cm ²	Narda	2245/90.10	Y-0016	2022/07/04	1 年
Thermo Hygrometer	TECPEL	DTM-303B	TP190502	2021/09/22	1 年

依 IEEE Std.644 第 4.4 and 6.4 規範

4.4 Immunity from interference

Perturbation of *E*-field strength meter operation due to anticipated levels of ambient magnetic fields under transmission lines should be quantified by the manufacturer and supplied to the user. Such perturbations, expressed as percentages, should be included in reports of measurements if significant [see figure 1, G(2)].

6.4 Immunity from interference

Perturbation of *B*-field meter operation due to anticipated levels of ambient electric field strength under power lines should be quantified by the manufacturer and supplied to the user. Such perturbations, expressed as percentages, should be incorporated into measurement reports if significant [figure 1, G(2)].

G. Instruments

(1) Meter type

- (a) Manufacturer: Narda
- (b) Model: EFA-300

(2) Probe and signal conditioning circuit

- (a) Description(shape): EFA-300 EM Field Analyzer
- (b) Dimension: 110 x 200 x 60 mm
- (c) Equivalent circuit: for measuring electric field like a plate capacitor; for magnetic field like a coil.
- (d) Frequency response: 16Hz to 32kHz
- (e) Directional characteristic: isotropic or x-axes, y-axes, z-axes
- (f) Corona onset field strength: no corona effects
- (g) Effect of (1) Electric or magnetic field: Electric and magnetic field
 (2) Temperature: 30 °C (3) Humidity: 63%
- (h) Reading characteristics (rms. Etc.): rms. and vector peak
- (i) Accuracy and sensitivity: Measurement accuracy: approx. 6 %

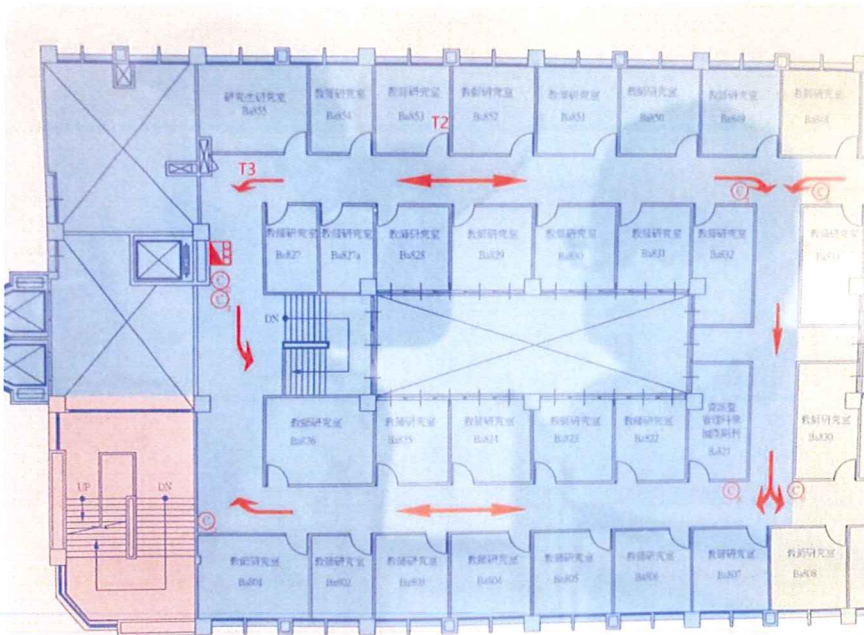
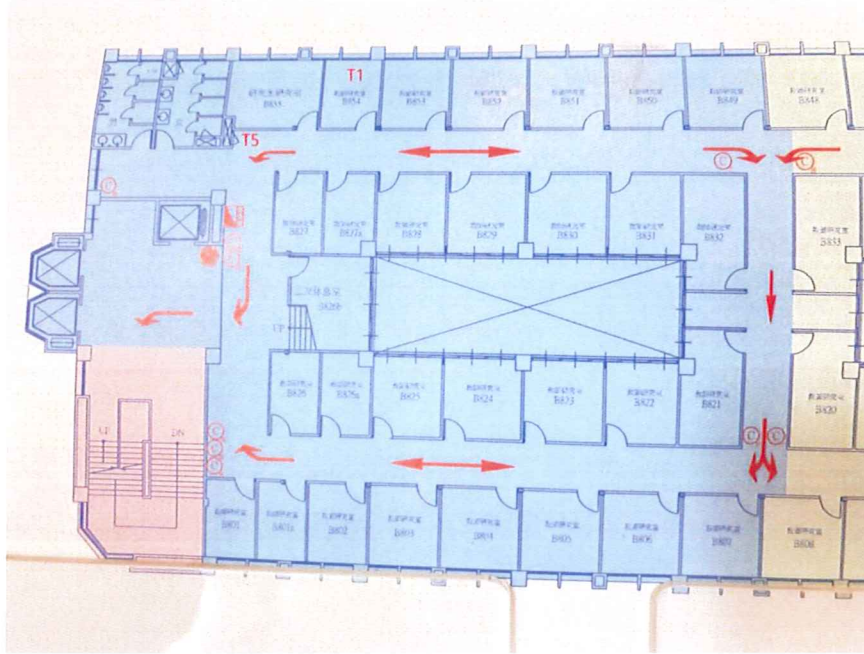
備註:

1. 聲明本測試結果僅對測試場地試驗件有效。報告中之測試結果根據測試時之環境作實際量測與記錄並出報告
2. 若無發證方案及其標準規範特別要求,依據 IEC GUIDE 115 CL.4.4.3 Figure 2 (不考量量測不確定度的影響),實驗室所出具之測試報告不包含量測不確定度。當實驗室出具之測試報告須提供符合性聲明時,其符合性決定規則將不考量量測不確定度。

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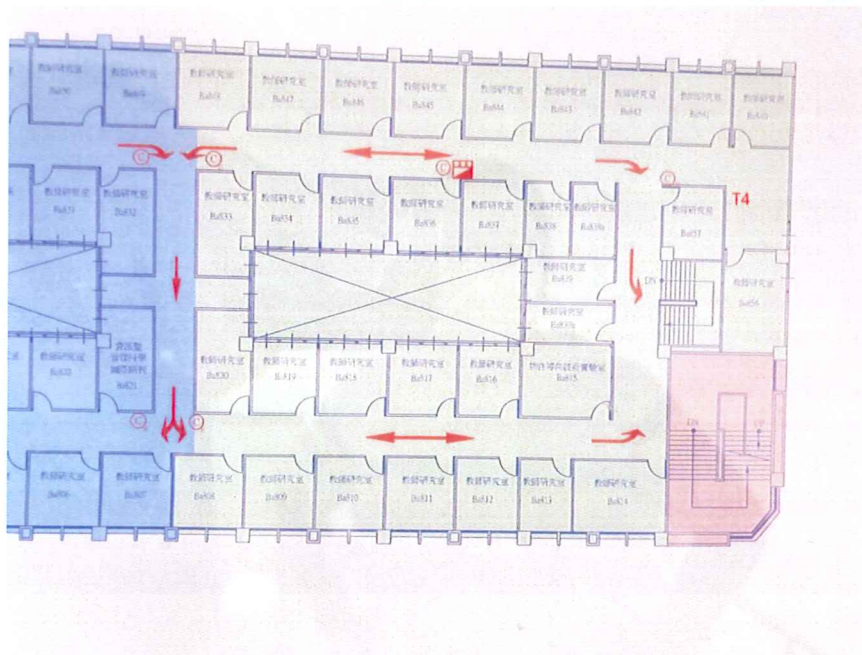
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俯視圖



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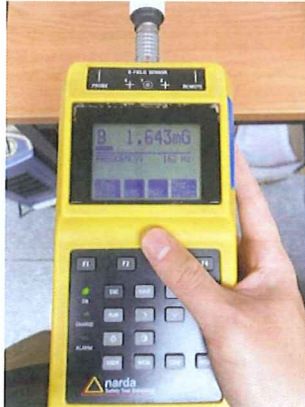
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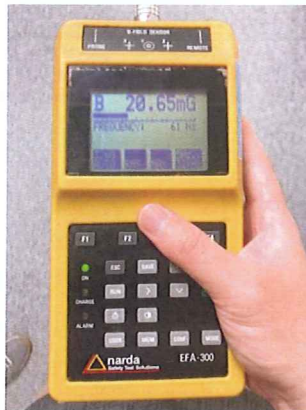
量測照片



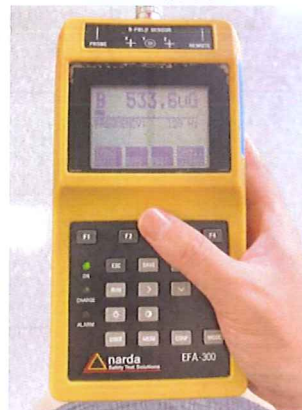
T1 B854



T2 Ba853



T3 夾層西側走道



T4 夾層東側走道



T5 西側走道

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量測地點



T1 B854



T2 Ba853



T3 夾層西側走道



T4 夾層東側走道



T5 西側走道

- 報告結束 -

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