

## 2.10 มาตรฐานที่ใช้ในการตรวจวัด

ตารางที่ 2.13 มาตรฐานในการตรวจสอบหม้อแปลงด้วยการวิเคราะห์การตอบสนองความถี่ [7]

Standard	Instrumentation				Self – test	Analysis
	Frequency range	Dynamic range	Accuracy	Signal cable grounding		
EPIS PRC DL/T 911	1 kHz – 1 MHz	-100 to +20 dB	$\pm 1$ dB @ -80 dB	Wire ,shortest length to transformer core grounding	Not stated	Defined correlation in three frequency bands
CIGRE WG A2.26	min 50 Hz – 2 MHZ	dB measurement range	$\pm 1$ dB @ -100 dB	Grounded at both ends using shortest braid	Test circuit with a know FRA response	Not stated ( DL/T 911 recognized as one standard )
IEEE PC57.149/D4	“ Sufficient dynamic range, over the frequency range in order to accommodate all transformer test object ” (-120 dB ...?)		“ Calibrated to an acceptable standard ”	Grounded at both ends using shortest braid	Standard test object with a know FRA response	Plot inspection , difference plots , general correlation techniques
ABB FRA Technical Standard v.5	10 Hz – 2 MHz	Better than -100 to +40 dB	$\pm 1$ dB @ -100 dB	Grounded at both ends using shortest wire/braid	“ Condition control of FRA device , including coaxial cable , is strongly recommended ”	Plot inspection , difference plots .