









Status quo of Features of indica	EMC standarc tive methods in p	lization (9-150 present IEC 61000-4	kHz) 1-30
	A based on IEC 61000-4-7	B new proposal for IEC 61000-4-30	CISPR 16
Frequency range	2 – 9 (150) kHz	9 – 150 kHz	9 kHz – 150 kHz (CISPR Band A)
Principle	DFT	DFT	Spectrum analyser (heterodyne principle)
Measurement interval	200 ms	0.5 ms	20 ms
Bandwidth	200 Hz	2000 Hz	200 Hz
Signal coverage	100 %	8 %	(≫) 100 %
Overlapping	no	no	yes (time and frequency)
Different instrume partly with individ	ents in the market ava ual adaptions	ailable based on metho	ds A and B,
Need	s and challenges related to a in the frequ	a normative method for grid me ency range 2-150 kHz	easurements 6















	Harmonics (interbarmonics)	Emission	
Measurement	(internationics)		
Interval	10/12 cycles	200 ms	
Results	U ^(h,ih) _{RMS} , I ^(h,ih) , THDu, THDi subgroup values	$U_{\mathrm{RMS}}^{(b)}, I_{\mathrm{RMS}}^{(b)}$ 200-Hz-bands	
Aggregation			
Common Intervals	150/180 cycles, 10 min	3s, 10 min	
Method	RMS and Maximum		
	 RMS values: (thermal) stress of col Max values: perceptible malfunction 	mponents ons	
Evaluation	 Comparison of weekly 95th percentile of 10-minute-values Comparison of daily 99th percentile of 3-s-values 		
	Compatibility" of new method high	ly beneficial	















