

Time and Frequency, Viet Nam, VMI-STAMEQ (Viet Nam Metrology Institute, Directorate for Standards and Quality)



Calibration or Measurement Service			Measurand Level or Range			Measurement Conditions/Independent Variable		Expanded Uncertainty					NMI Service Identifier	Comments
Quantity	Instrument or Artifact	Instrument Type or Method	Minimum value	Maximum value	Units	Parameter	Specifications	Value	Units	Coverage factor	Level of Confidence	Is the expanded uncertainty a relative one?		
Time scale difference	Local clock vs UTC(VMI)	Time interval measurement	-1	1	s	1 pps amplitude	> 0.5 V (50 Ω)	2	ns	2	95%	No	VN1.1.1	DUT effects excluded Approved on 19 July 2010
						Averaging time	1 day							
Time scale difference	Local clock vs UTC	Time comparison against the predicted time	-1	1	s	1 pps amplitude	> 0.5 V (50 Ω)	200	ns	2	95%	No	VN1.1.2	DUT effects excluded Approved on 19 July 2010
						Averaging time	5 days							
						Prediction time	45 days							
Frequency	Local frequency standard	Direct frequency measurement	10	10	MHz	Gate time	1000 s	2.0E-13	Hz/Hz	2	95%	Yes	VN2.1.1	DUT effects excluded Approved on 19 July 2010
						Number of measurements	100							
						Amplitude	> 0.5 V (50 Ω)							
Frequency	Local frequency standard	Direct frequency measurement	5	5	MHz	Gate time	1000 s	2.0E-13	Hz/Hz	2	95%	Yes	VN2.1.1	DUT effects excluded Approved on 19 July 2010
						Number of measurements	100							
						Amplitude	> 0.5 V (50 Ω)							
Frequency	Local frequency standard	Direct frequency measurement	1	1	MHz	Gate time	1000 s	2.0E-13	Hz/Hz	2	95%	Yes	VN2.1.1	DUT effects excluded Approved on 19 July 2010
						Number of measurements	100							
						Amplitude	> 0.5 V (50 Ω)							