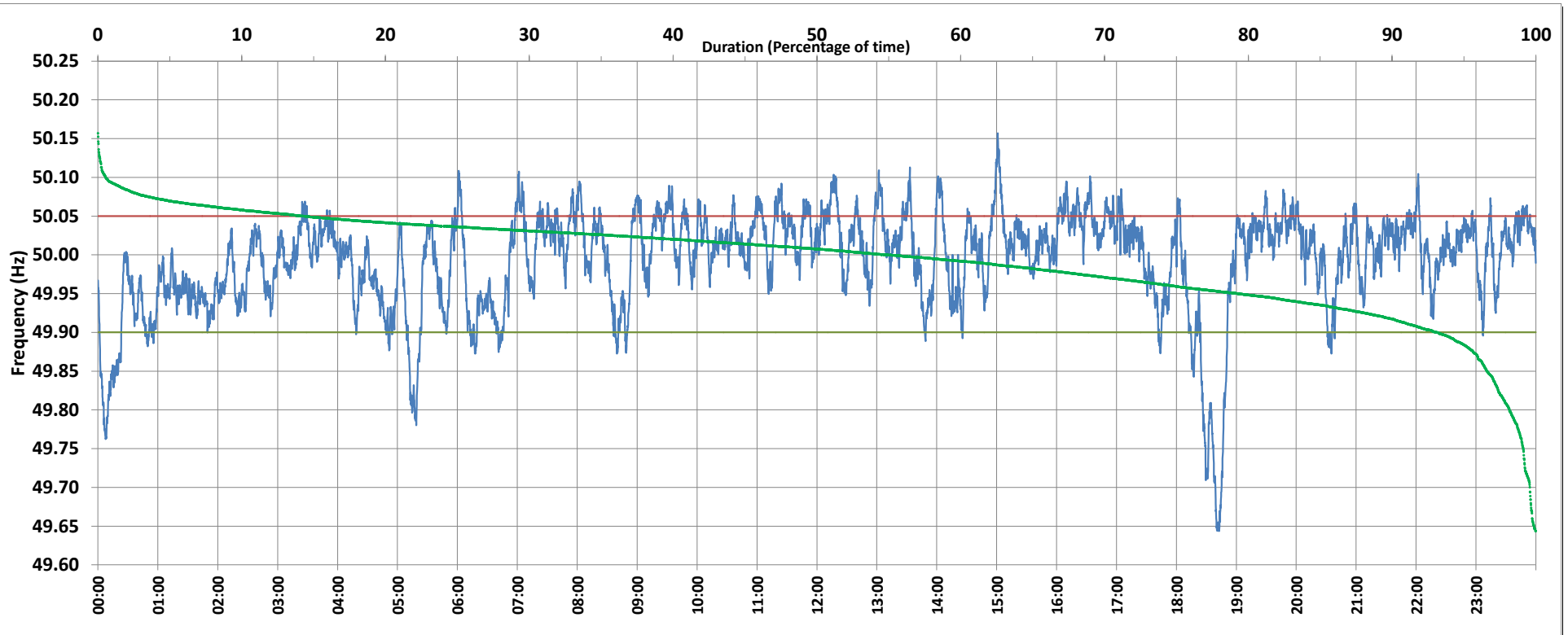


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 21-Sep-2019 (Saturday)



<49.7	<49.90	<49.97	49.7-49.8	49.8-49.9	49.9-50.0	50.0-50.1	50.1-50.2	49.90-50.05	49.7-50.2	49.97-50.03	50.05-50.1	>50	>50.03	>50.05	>50.2	<49.95	49.95-50.05	49.90-49.95
0.42	6.85	29.46	1.42	5.01	38.06	54.55	0.54	78.81	99.58	39.55	13.87	54.94	31.00	14.34	0.00	20.72	64.94	13.87

Average Frequency : 49.993	Frequency Variation Index : 0.0421	Standard Deviation : 0.0645	Mileage: 47.5	FDI: 21.2
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Instantaneous Frequency		
Max	50.157	15:01:00
Min	49.644	18:42:40

15 minute Average Frequency		
Max	50.055	16:15:00
Min	49.717	18:45:00

No. of excursions	
above 50.03 Hz	224
below 49.97 Hz	104
above 50.00 Hz	160
below 50.00 Hz	160

Average time freq per excursion remains	
below 49.97	0:04:05
above 50.03	0:02:00

No. of hours freq outside 49.9-50.05 Hz	5:05:10
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Source : MPPTCL BINA:Frequency 10 Sec. (8640 samples)