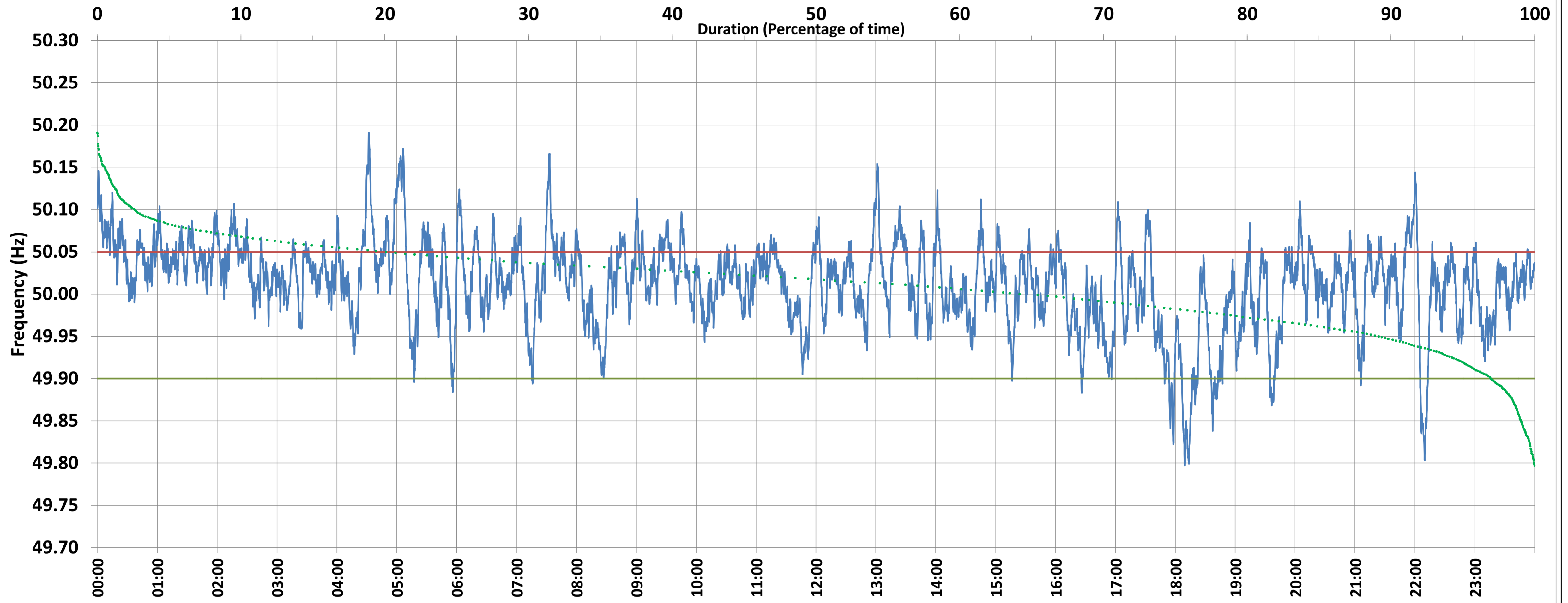


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 12-Dec-2020 (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
0.00	3.01	18.28	0.03	2.97	31.59	62.75	2.65	76.91	100.00	44.18	18.16	64.16	37.55	20.08	0.00	10.65	69.27	7.64

Average Frequency : 50.012	Frequency Variation Index : 0.0277	Standard Deviation : 0.0514	Mileage: 51.7	FDI: 23.1
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Instantaneous Frequency		
Max	50.191	4:31:50
Min	49.797	18:09:30

15 minute Average Frequency		
Max	50.086	0:15:00
Min	49.880	18:15:00

No. of excursions	
above 50.03 Hz	225
below 49.97 Hz	100
above 50.00 Hz	129
below 50.00 Hz	121

Average time freq per excursion remains	
below 49.97	0:02:38
above 50.03	0:02:24

No. of hours freq outside 49.9-50.05 Hz	5:32:30
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Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)