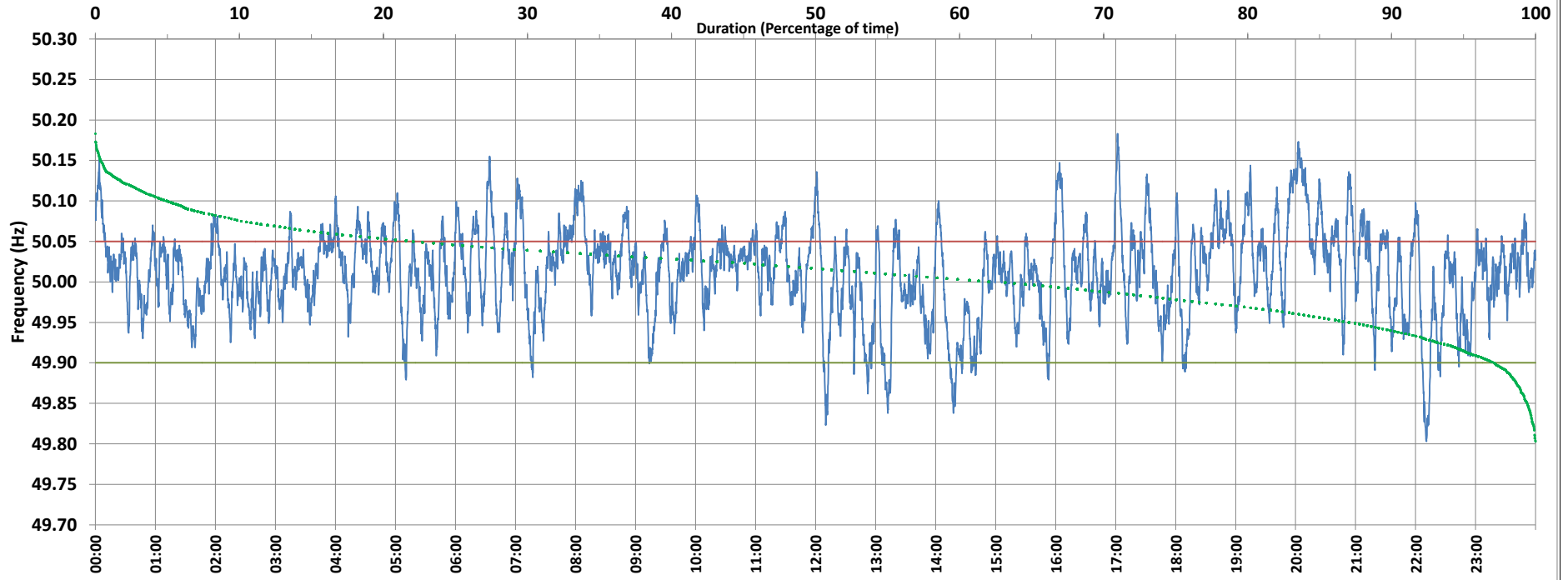


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Frequency profile for 09-Dec-2020 (Wednesday)



<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	2.84	20.24	0.00	2.84	34.02	58.08	5.07	75.10	100.00	41.54	17.75	62.03	38.22	22.06	0.00	12.55	65.39	9.71

Average Frequency : 50.012	Frequency Variation Index : 0.0312	Standard Deviation : 0.0546	Mileage: 50.4	FDI: 24.9
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Instantaneous Frequency		
Max	50.183	17:01:50
Min	49.803	22:10:40

15 minute Average Frequency		
Max	50.123	20:15:00
Min	49.901	14:30:00

No. of excursions	
above 50.03 Hz	194
below 49.97 Hz	102
above 50.00 Hz	136
below 50.00 Hz	124

Average time freq per excursion remains	
below 49.97	0:02:51
above 50.03	0:02:50

No. of hours freq outside 49.9-50.05 Hz	5:58:30
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Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)