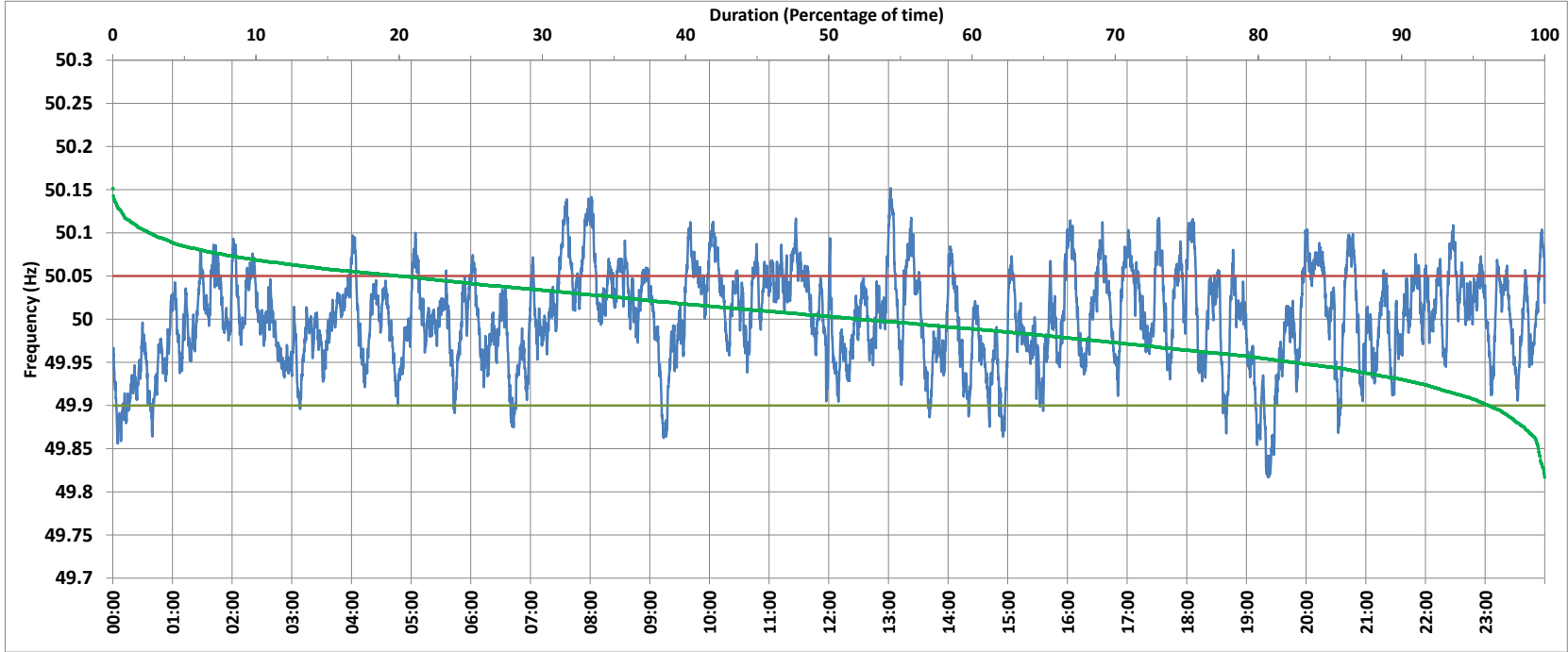


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 22-Jul-2017



<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
0.00	3.94	28.28	0.00	3.94	43.90	49.58	2.58	76.05	100.00	39.48	17.58	52.13	32.25	20.01	0.00

Average Frequency :	50.001	Frequency Variation Index :	0.030	Standard Deviation :	0.055
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Instantaneous Frequency		
Max	50.152	13:02:00
Min	49.817	19:21:30

15 minute Average Frequency		
Max	50.082	7:45:00
Min	49.868	19:30:00

No. of excursions above 50.03 Hz	145
No. of excursions below 49.97 Hz	132
No. of excursions above 50.00 Hz	169
No. of excursions below 50.00 Hz	169

Average time freq remains below 49.97 per excursion	0:03:05	Average time frequency remains above 50.03 per excursion	0:03:12
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