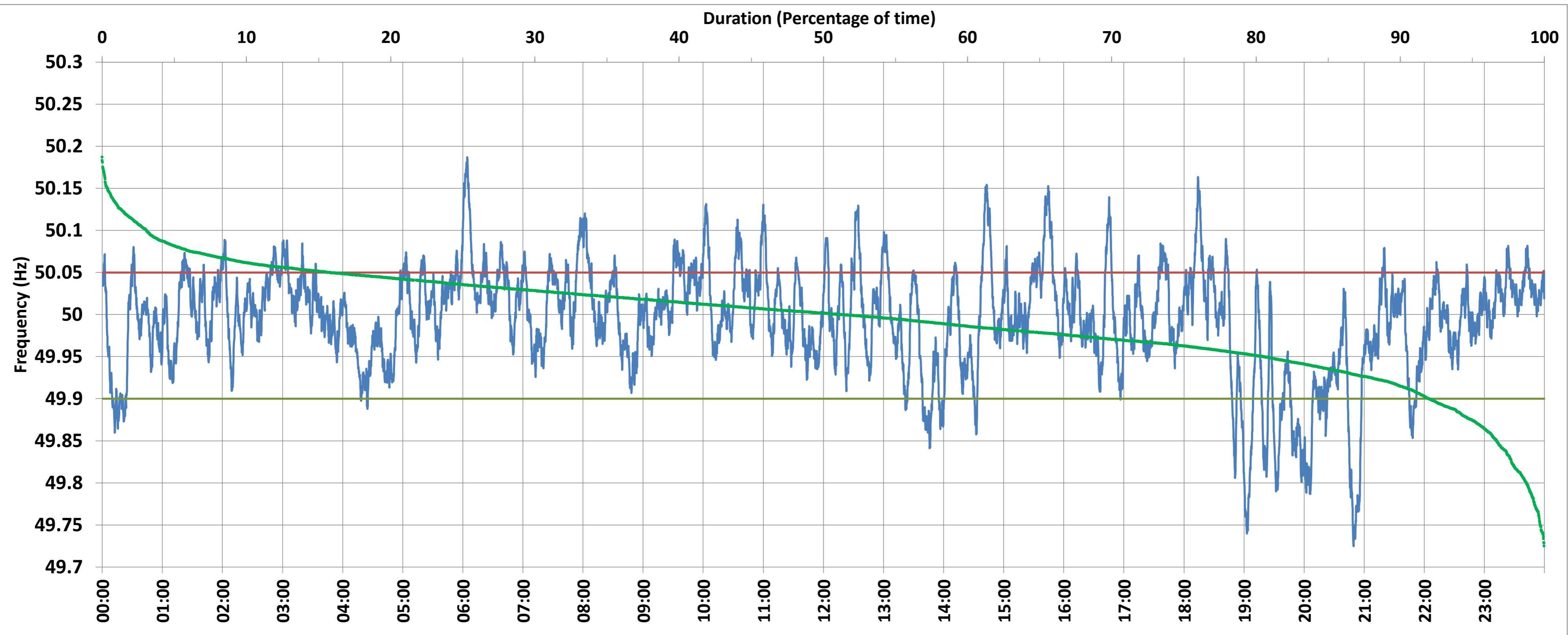


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 30-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	8.01	29.66	1.24	6.77	40.91	48.00	3.08	76.39	100.00	41.68	12.66	50.93	28.66	15.60	0.00

Average Frequency :	49.994	Frequency Variation Index :	0.041	Standard Deviation :	0.064
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Instantaneous Frequency			15 minute Average Frequency			No. of excursions above 50.03 Hz		155
Max	50.187	6:04:20	Max	50.096	6:15:00	No. of excursions below 49.97 Hz		143
Min	49.725	20:49:10	Min	49.810	21:00:00	No. of excursions above 50.00 Hz		167
						No. of excursions below 50.00 Hz		165

Average time freq remains below 49.97 per excursion	0:02:59	Average time frequency remains above 50.03 per excursion	0:02:40
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