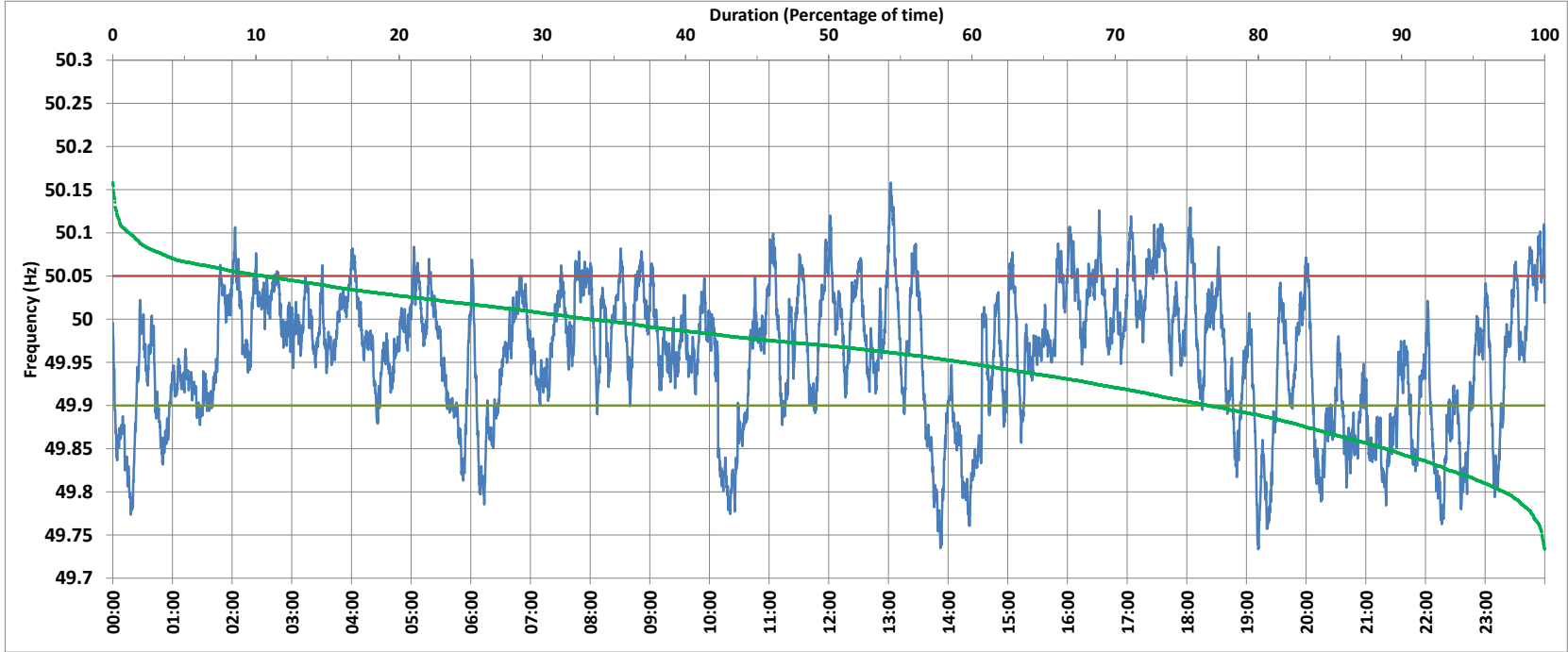


POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE NEW DELHI



400KV KALWA:Frequency

National Grid Frequency Profile for 27-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	23.53	50.43	2.84	20.69	43.18	32.15	1.13	65.91	100.00	30.84	9.46	33.19	18.73	10.56	0.00

Average Frequency :	49.958	Frequency Variation Index :	0.077	Standard Deviation :	0.077
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Instantaneous Frequency		
Max	50.158	13:02:20
Min	49.734	19:11:50

15 minute Average Frequency		
Max	50.063	0:00:00
Min	49.805	14:00:00

No. of excursions above 50.03 Hz	112
No. of excursions below 49.97 Hz	148
No. of excursions above 50.00 Hz	113
No. of excursions below 50.00 Hz	113

Average time freq remains below 49.97 per excursion	0:04:54	Average time frequency remains above 50.03 per excursion	0:02:24
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