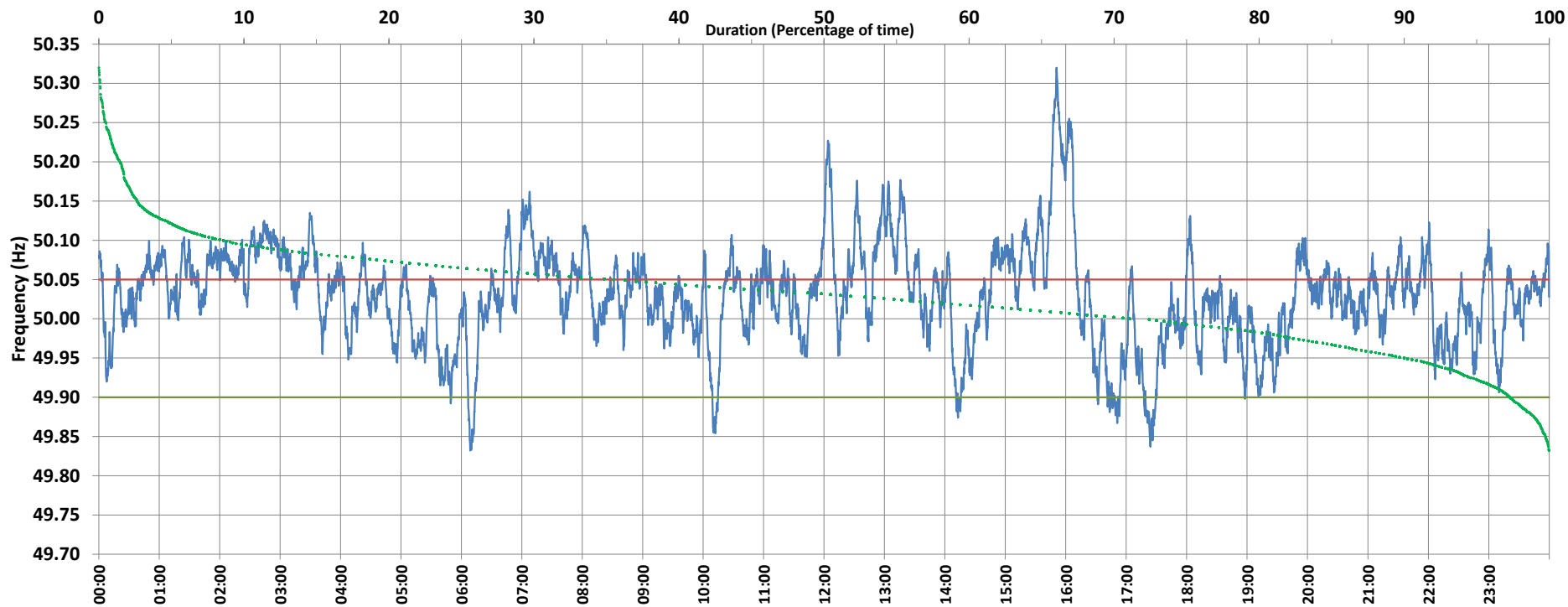


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 15-Jul-2019 (Monday)



<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	2.67	15.61	0.00	2.67	24.91	63.60	7.35	61.82	98.53	33.25	27.70	71.06	51.13	35.51	1.47	9.77	54.72	7.09

Average Frequency : 50.029	Frequency Variation Index : 0.0468	Standard Deviation : 0.0622	Mileage: 44.7	FDI: 38.2
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Instantaneous Frequency		
Max	50.320	15:50:50
Min	49.832	6:08:40

15 minute Average Frequency		
Max	50.235	16:00:00
Min	49.885	17:30:00

No. of excursions	
above 50.03 Hz	151
below 49.97 Hz	54
above 50.00 Hz	80
below 50.00 Hz	82

Average time freq per excursion remains	
below 49.97	0:04:10
above 50.03	0:04:53

No. of hours freq outside 49.9-50.05 Hz	9:09:50
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Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)