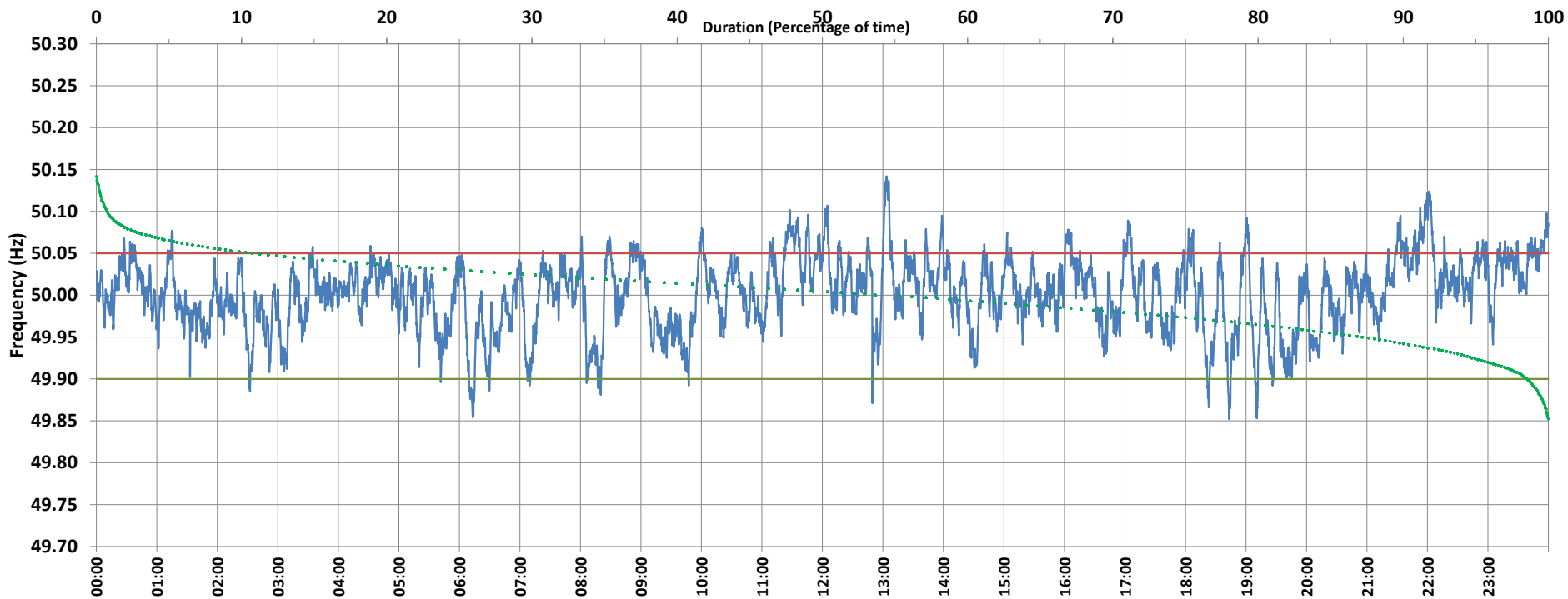


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 22-Jul-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	1.44	22.35	0.00	1.44	43.29	54.51	0.76	87.84	100.00	52.69	10.50	53.63	24.97	10.73	0.00	12.38	76.89	10.95

Average Frequency : 50.001	Frequency Variation Index : 0.0184	Standard Deviation : 0.0429	Mileage: 45.4	FDI: 12.2
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Instantaneous Frequency		
Max	50.142	13:03:30
Min	49.852	18:43:10

15 minute Average Frequency		
Max	50.071	22:00:00
Min	49.940	18:30:00

No. of excursions	
above 50.03 Hz	133
below 49.97 Hz	112
above 50.00 Hz	141
below 50.00 Hz	150

Average time freq per excursion remains	
below 49.97	0:02:52
above 50.03	0:02:42

No. of hours freq outside 49.9-50.05 Hz	2:55:10
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Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)