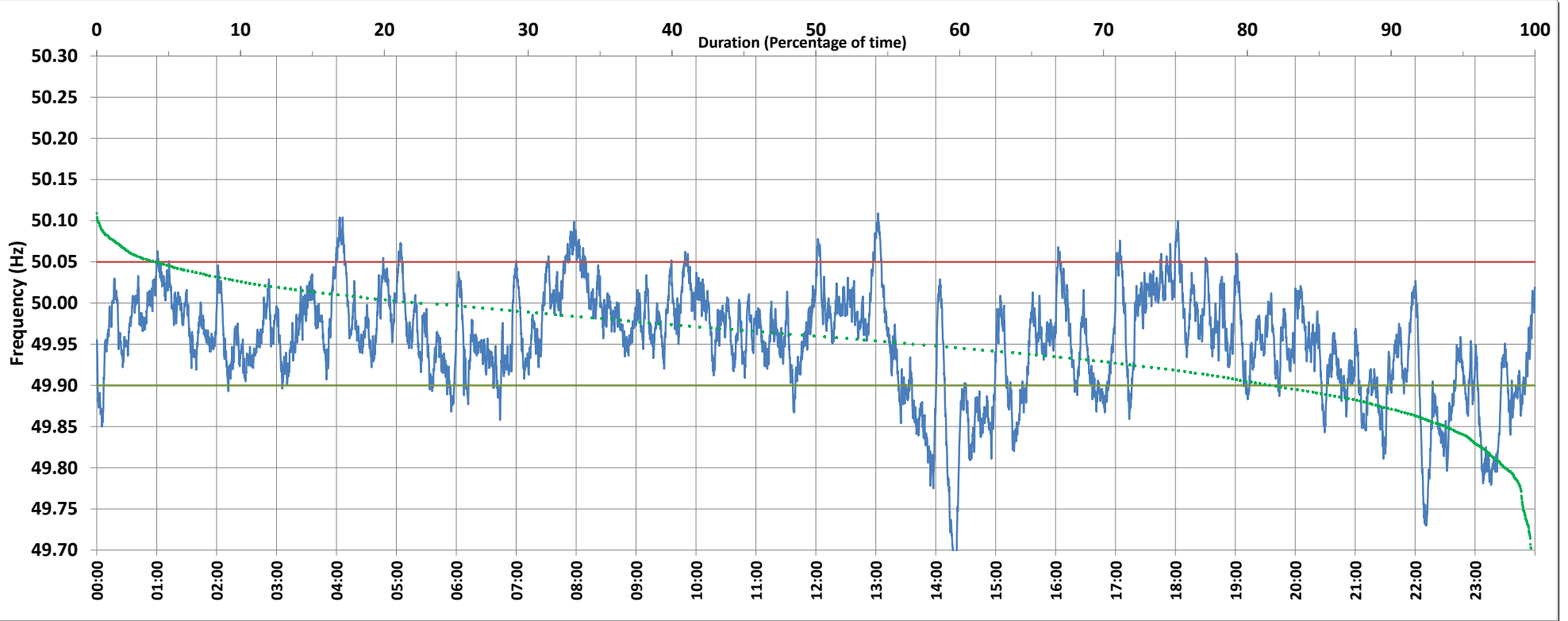


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 04-Jun-2018 (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
0.3	18.0	56.7	1.7	16.0	58.3	23.6	0.1	77.9	99.7	34.4	4.3	22.5	8.9	4.1	0.0	42.5	53.4	24.5

Average Frequency : 49.954	Frequency Variation Index : 0.061	Standard Deviation : 0.063	Mileage: 45.9	FDI: 22.1
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Instantaneous Frequency		
Max	50.109	13:02:20
Min	49.672	14:18:50

15 minute Average Frequency		
Max	50.059	8:00:00
Min	49.785	14:30:00

No. of excursions	
above 50.03 Hz	54
below 49.97 Hz	135
above 50.00 Hz	97
below 50.00 Hz	98

Average time freq per excursion remains	
below 49.97	0:06:03
above 50.03	0:02:23

No. of hours freq outside 49.9-50.05 Hz	5:18:40
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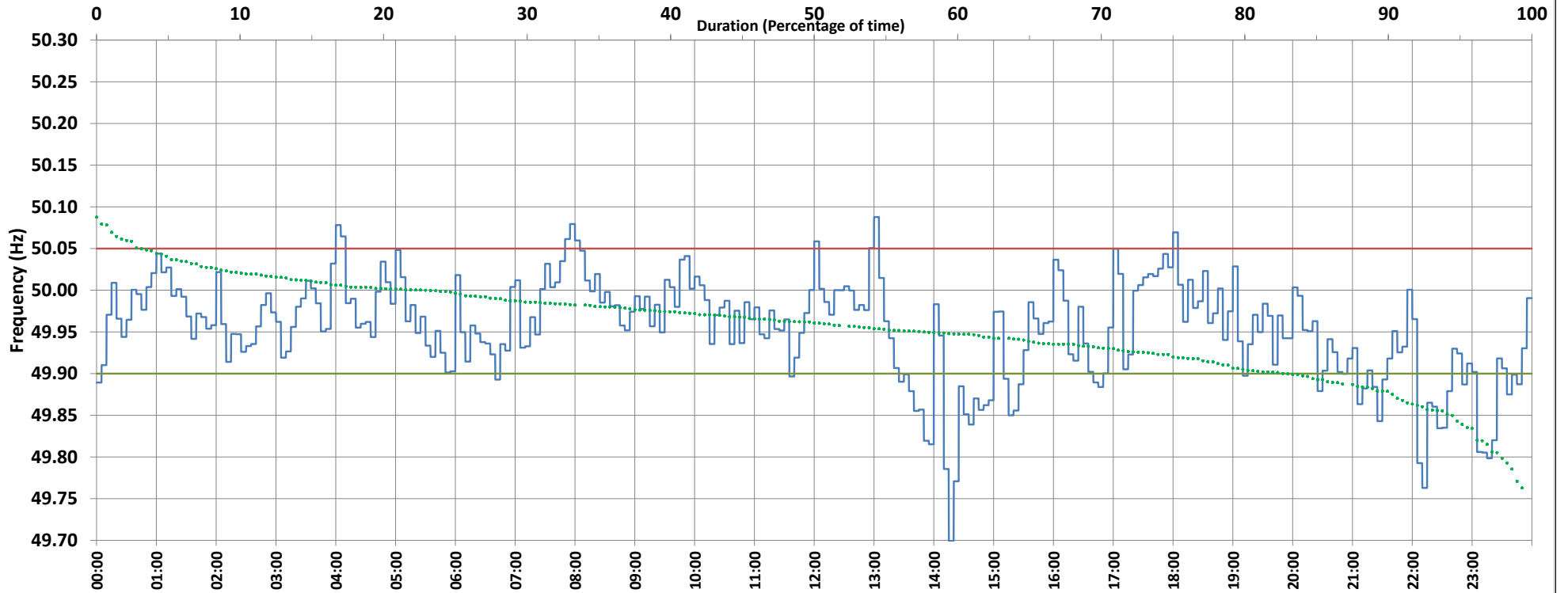
Source : VIJAYAWADA:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 04-Jun-2018 (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
0.35	17.01	56.60	1.74	14.93	59.72	23.26	0.00	79.86	99.65	36.11	3.13	22.92	7.29	3.13	0.00	42.4	54.5	25.3

Average Frequency : 49.954	Frequency Variation Index : 0.058	Standard Deviation : 0.061	Mileage: 9.0	FDI: 20.1
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Instantaneous Frequency		
Max	50.109	13:02:20
Min	49.672	14:18:50

5 minute Average Frequency		
Max	50.088	13:05:00
Min	49.699	14:25:00

No. of excursions	
above 50.03 Hz	13
below 49.97 Hz	36
above 50.00 Hz	27
below 50.00 Hz	28

Average time freq per excursion remains	
below 49.97	0:22:38
above 50.03	0:08:05

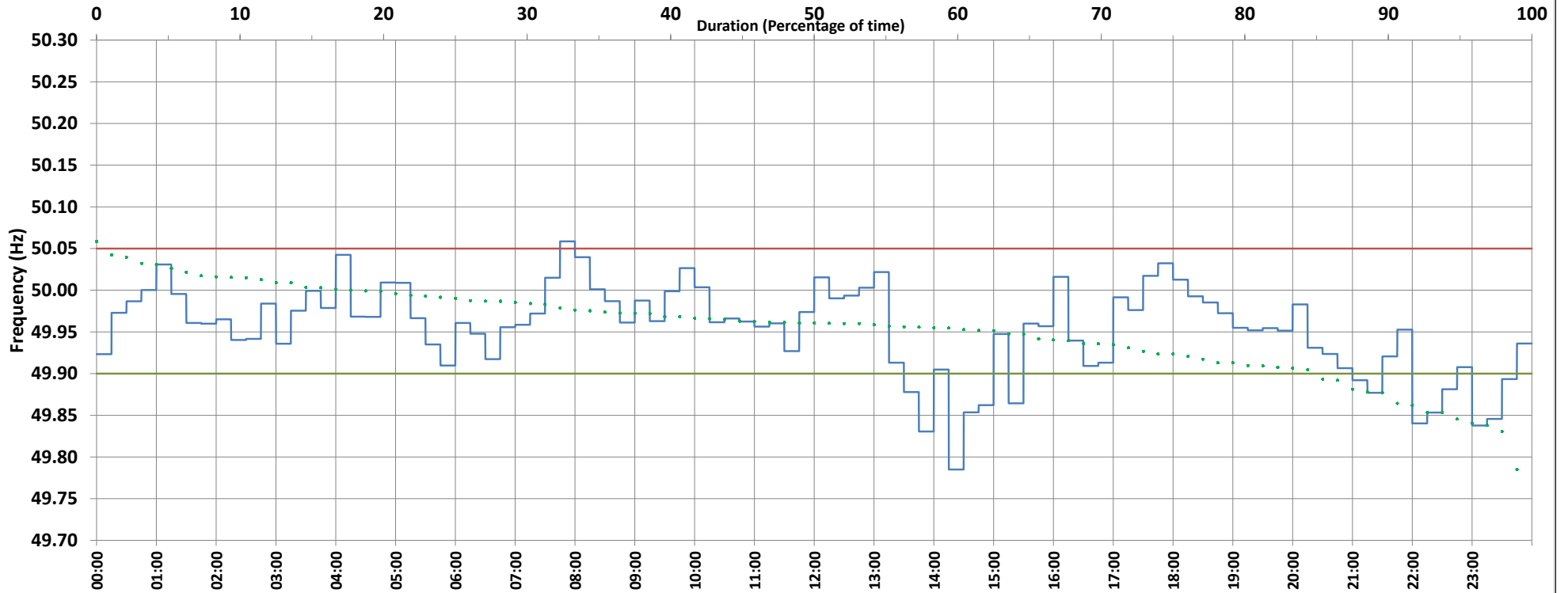
Source : VIJAYAWADA:Frequency 5 Min. (288 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



15 Min. Average Frequency profile for 04-Jun-2018 (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	14.58	60.42	1.04	13.54	66.67	18.75	0.00	84.38	100.00	34.38	1.04	18.75	5.21	1.04	0.00	36.5	62.5	21.9

Average Frequency : 49.954	Frequency Variation Index : 0.049	Standard Deviation : 0.053	Mileage: 3.1	FDI: 15.6
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Instantaneous Frequency		
Max	50.109	13:02:20
Min	49.672	14:18:50

15 minute Average Frequency		
Max	50.059	8:00:00
Min	49.785	14:30:00

No. of excursions	
above 50.03 Hz	4
below 49.97 Hz	12
above 50.00 Hz	9
below 50.00 Hz	10

Average time freq per excursion remains	
below 49.97	1:12:30
above 50.03	0:18:45

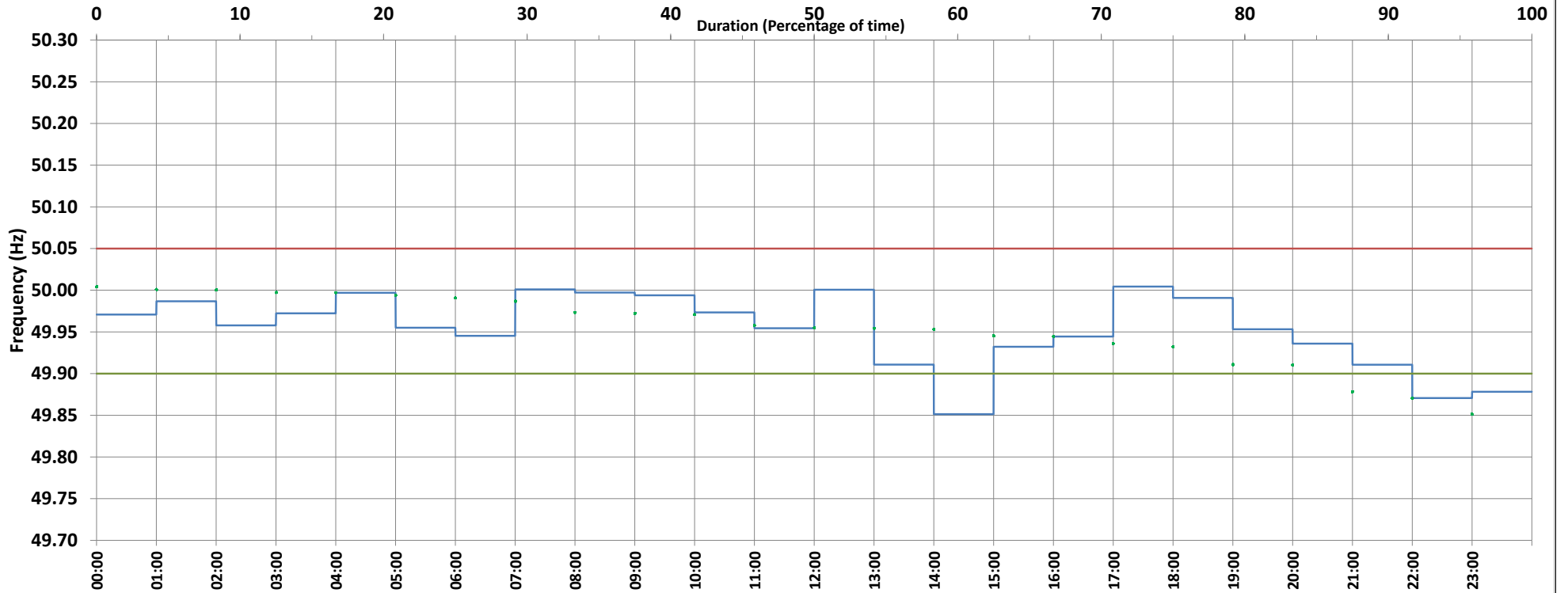
Source : VIJAYAWADA:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 04-Jun-2018 (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	12.50	54.17	0.00	12.50	75.00	12.50	0.00	87.50	100.00	45.83	0.00	12.50	0.00	0.00	0.00	37.5	62.5	25.0

Average Frequency : 49.954	Frequency Variation Index : 0.040	Standard Deviation : 0.043	Mileage: 0.7	FDI: 12.5
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Instantaneous Frequency		
Max	50.109	13:02:20
Min	49.672	14:18:50

An Hour Average Frequency		
Max	50.004	18:00:00
Min	49.851	15:00:00

No. of excursions	
above 50.03 Hz	0
below 49.97 Hz	5
above 50.00 Hz	3
below 50.00 Hz	4

Average time freq per excursion remains	
below 49.97	2:36:00
above 50.03	00:00

Source : VIJAYAWADA:Frequency 60 Min. (24 samples)