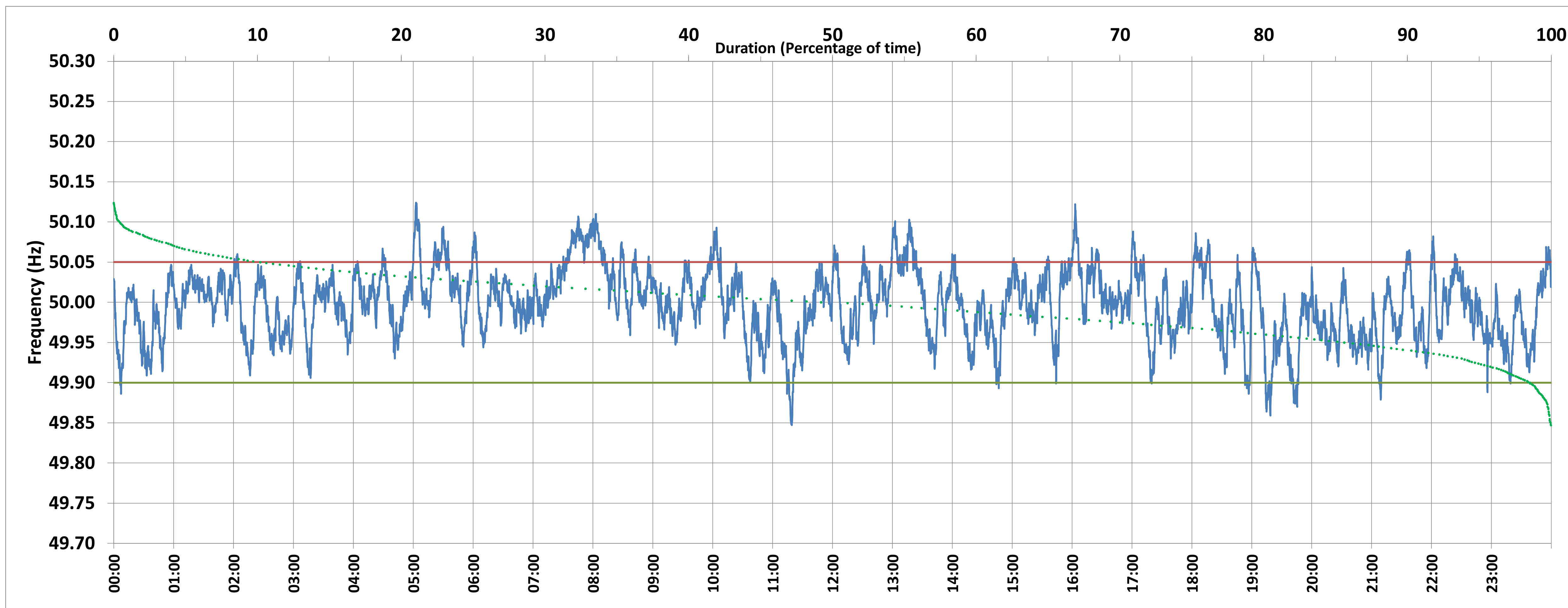


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 08-Jun-2018 (Friday)



<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
0.0	1.5	25.7	0.0	1.5	47.5	50.6	0.4	88.3	100.0	52.4	10.2	49.2	21.9	10.2	0.0	13.8	76.0	12.3

Average Frequency : 49.997	Frequency Variation Index : 0.018	Standard Deviation : 0.043	Mileage: 45.9	FDI: 11.7
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Instantaneous Frequency		
Max	50.124	5:02:40
Min	49.847	11:19:10

15 minute Average Frequency		
Max	50.082	8:00:00
Min	49.916	11:30:00

No. of excursions	
above 50.03 Hz	147
below 49.97 Hz	115
above 50.00 Hz	150
below 50.00 Hz	150

Average time freq per excursion remains	
below 49.97	0:03:13
above 50.03	0:02:09

No. of hours freq outside 49.9-50.05 Hz	2:47:50
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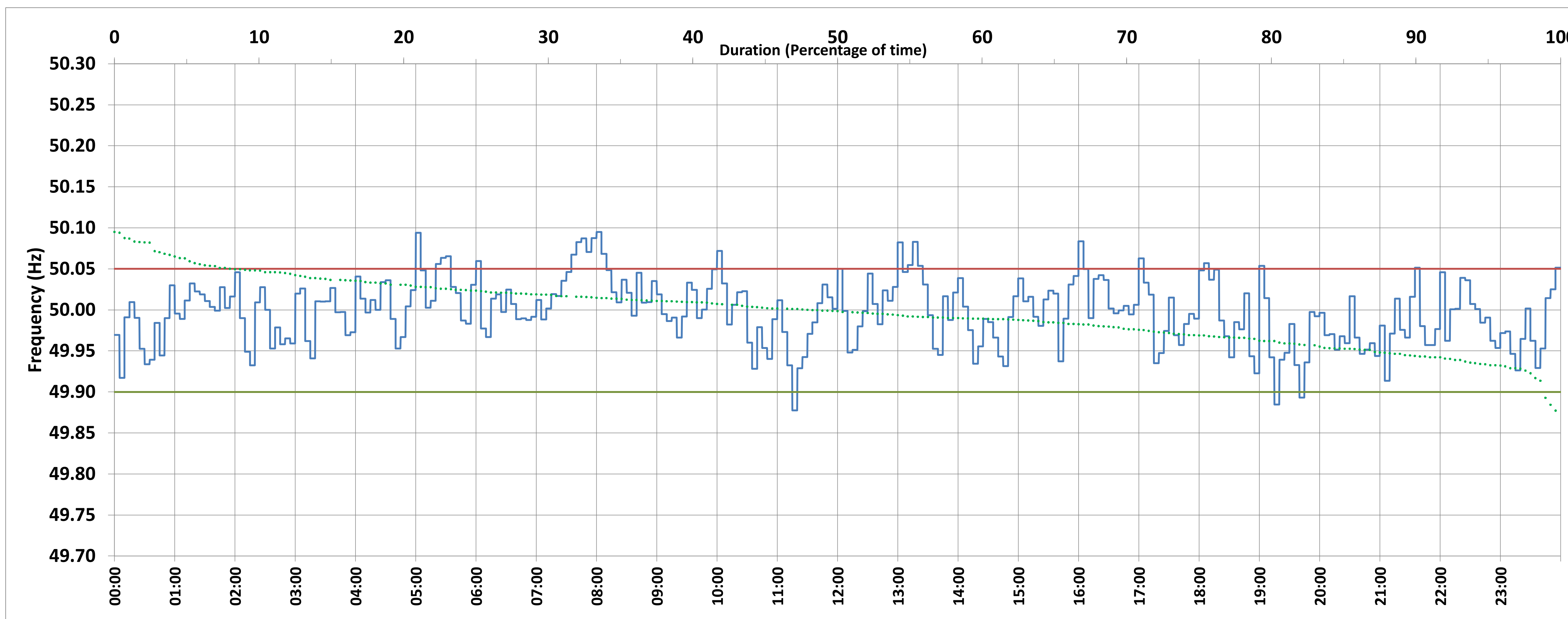
Source : SOMANAHALLI:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 08-Jun-2018 (Friday)



<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	1.04	25.69	0.00	1.04	50.35	48.61	0.00	90.63	100.00	53.82	8.33	48.26	20.49	8.33	0.00	12.8	78.8	11.8

Average Frequency : 49.997	Frequency Variation Index : 0.016	Standard Deviation : 0.039	Mileage: 8.0	FDI: 9.4
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Instantaneous Frequency		
Max	50.124	5:02:40
Min	49.847	11:19:10

5 minute Average Frequency		
Max	50.095	8:05:00
Min	49.877	11:25:00

No. of excursions	
above 50.03 Hz	28
below 49.97 Hz	35
above 50.00 Hz	42
below 50.00 Hz	42

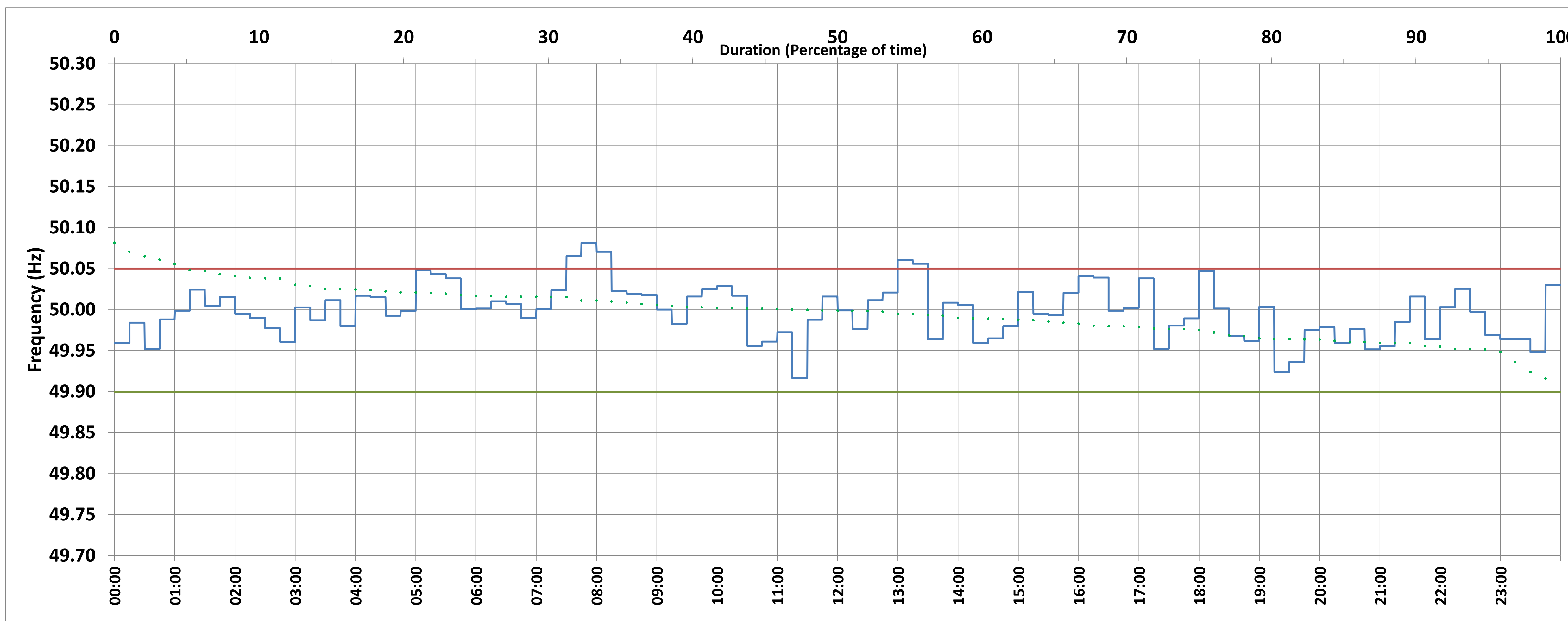
Average time freq per excursion remains	
below 49.97	0:10:34
above 50.03	0:10:32

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

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

15 Min. Average Frequency profile for 08-Jun-2018 (Friday)



<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	0.00	22.92	0.00	0.00	51.04	48.96	0.00	94.79	100.00	63.54	5.21	47.92	13.54	5.21	0.00	4.2	90.6	4.2

Average Frequency : 49.997	Frequency Variation Index : 0.010	Standard Deviation : 0.032	Mileage: 2.4	FDI: 5.2
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Instantaneous Frequency		
Max	50.124	5:02:40
Min	49.847	11:19:10

15 minute Average Frequency		
Max	50.082	8:00:00
Min	49.916	11:30:00

No. of excursions	
above 50.03 Hz	7
below 49.97 Hz	14
above 50.00 Hz	18
below 50.00 Hz	17

Average time freq per excursion remains	
below 49.97	0:23:34
above 50.03	0:27:51

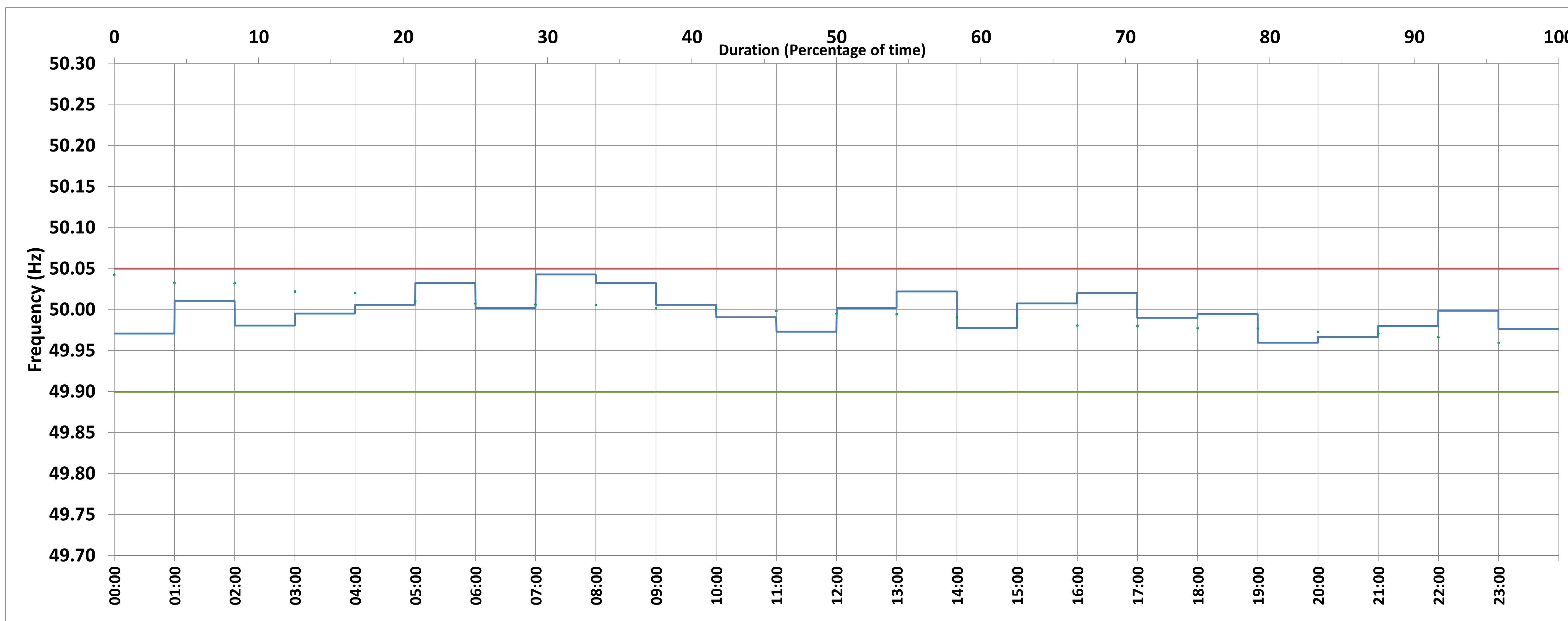
Source : SOMANAHALLI:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 08-Jun-2018 (Friday)



<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	0.00	8.33	0.00	0.00	54.17	45.83	0.00	100.00	100.00	79.17	0.00	45.83	12.50	0.00	0.00	0.0	100.0	0.0

Average Frequency : 49.997	Frequency Variation Index : 0.005	Standard Deviation : 0.022	Mileage: 0.5	FDI: 0.0
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Instantaneous Frequency		
Max	50.124	5:02:40
Min	49.847	11:19:10

An Hour Average Frequency		
Max	50.043	8:00:00
Min	49.960	20:00:00

No. of excursions	
above 50.03 Hz	2
below 49.97 Hz	1
above 50.00 Hz	4
below 50.00 Hz	5

Average time freq per excursion remains	
below 49.97	2:00:00
above 50.03	1:30:00

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