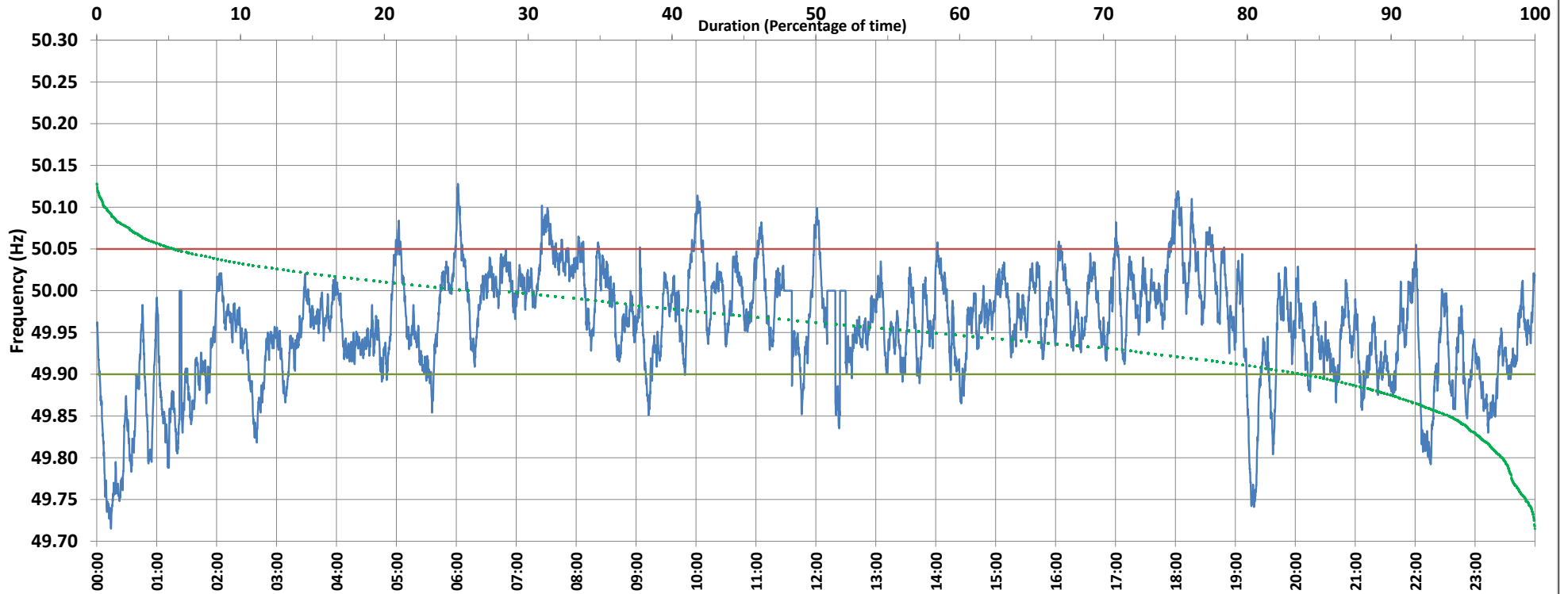


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 27-May-2018 (Sunday)



<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	16.0	54.6	2.2	13.8	55.4	28.0	0.6	78.7	100.0	34.6	4.9	25.8	10.8	5.3	0.0	41.6	53.0	25.6

Average Frequency : 49.958	Frequency Variation Index : 0.060	Standard Deviation : 0.065	Mileage: 43.9	FDI: 21.3
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Instantaneous Frequency		
Max	50.128	6:01:30
Min	49.715	0:14:10

15 minute Average Frequency		
Max	50.054	7:45:00
Min	49.781	0:30:00

No. of excursions	
above 50.03 Hz	66
below 49.97 Hz	114
above 50.00 Hz	84
below 50.00 Hz	82

Average time freq per excursion remains	
below 49.97	0:06:54
above 50.03	0:02:22

No. of hours freq outside 49.9-50.05 Hz	5:07:00
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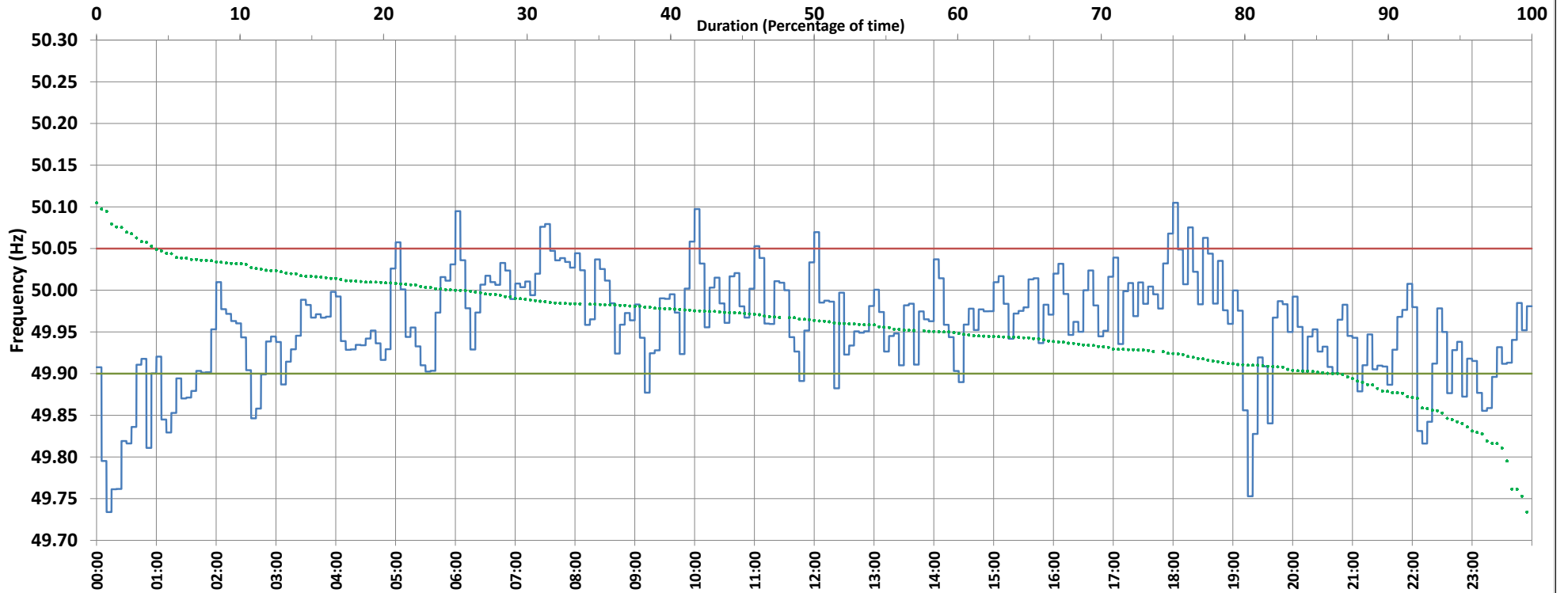
Source : BALLIA:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 27-May-2018 (Sunday)



<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	13.19	53.47	1.74	11.46	61.46	25.00	0.35	82.64	100.00	35.76	3.82	25.00	10.76	4.17	0.00	41.0	54.9	27.8

Average Frequency : 49.958	Frequency Variation Index : 0.056	Standard Deviation : 0.062	Mileage: 9.6	FDI: 17.4
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Instantaneous Frequency		
Max	50.128	6:01:30
Min	49.715	0:14:10

5 minute Average Frequency		
Max	50.105	18:05:00
Min	49.734	0:20:00

No. of excursions	
above 50.03 Hz	16
below 49.97 Hz	38
above 50.00 Hz	27
below 50.00 Hz	27

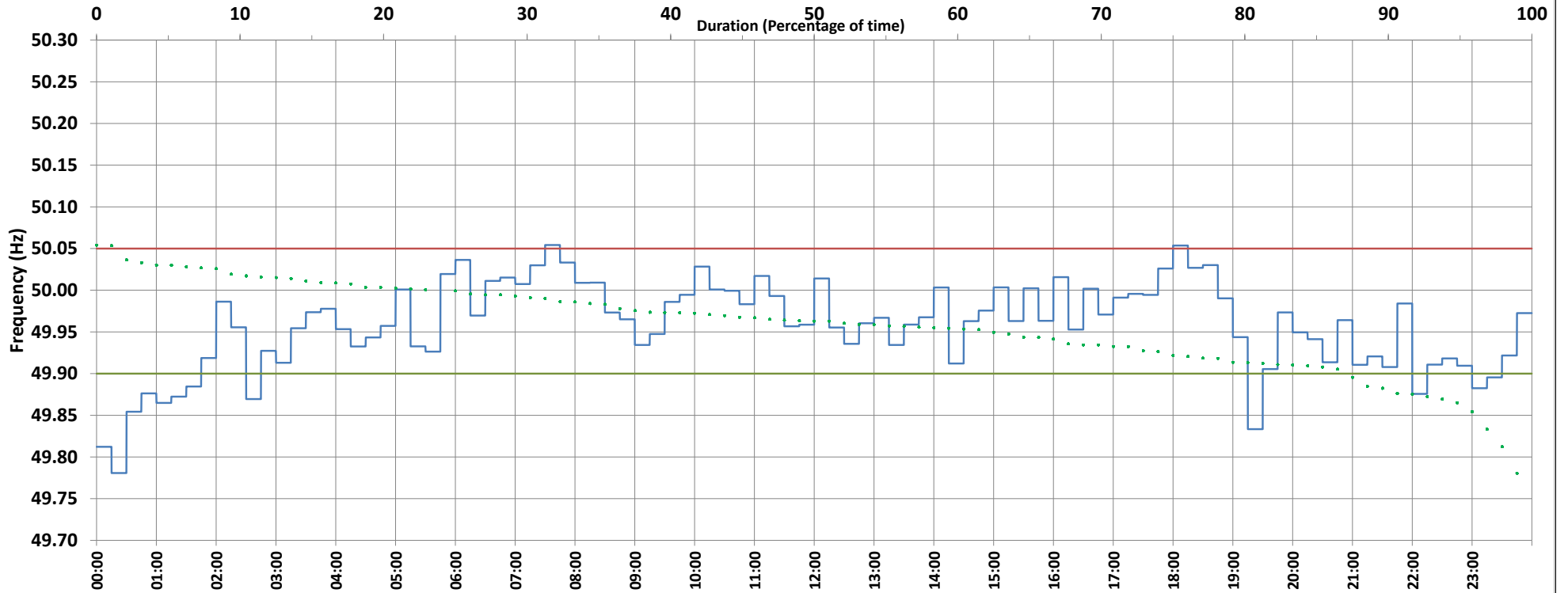
Average time freq per excursion remains	
below 49.97	0:20:16
above 50.03	0:09:41

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

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

15 Min. Average Frequency profile for 27-May-2018 (Sunday)



<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	56.25	1.04	11.46	62.50	25.00	0.00	85.42	100.00	38.54	2.08	25.00	5.21	2.08	0.00	37.5	60.4	25.0

Average Frequency : 49.958	Frequency Variation Index : 0.046	Standard Deviation : 0.053	Mileage: 3.1	FDI: 14.6
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Instantaneous Frequency		
Max	50.128	6:01:30
Min	49.715	0:14:10

15 minute Average Frequency		
Max	50.054	7:45:00
Min	49.781	0:30:00

No. of excursions	
above 50.03 Hz	4
below 49.97 Hz	15
above 50.00 Hz	12
below 50.00 Hz	13

Average time freq per excursion remains	
below 49.97	0:54:00
above 50.03	0:18:45

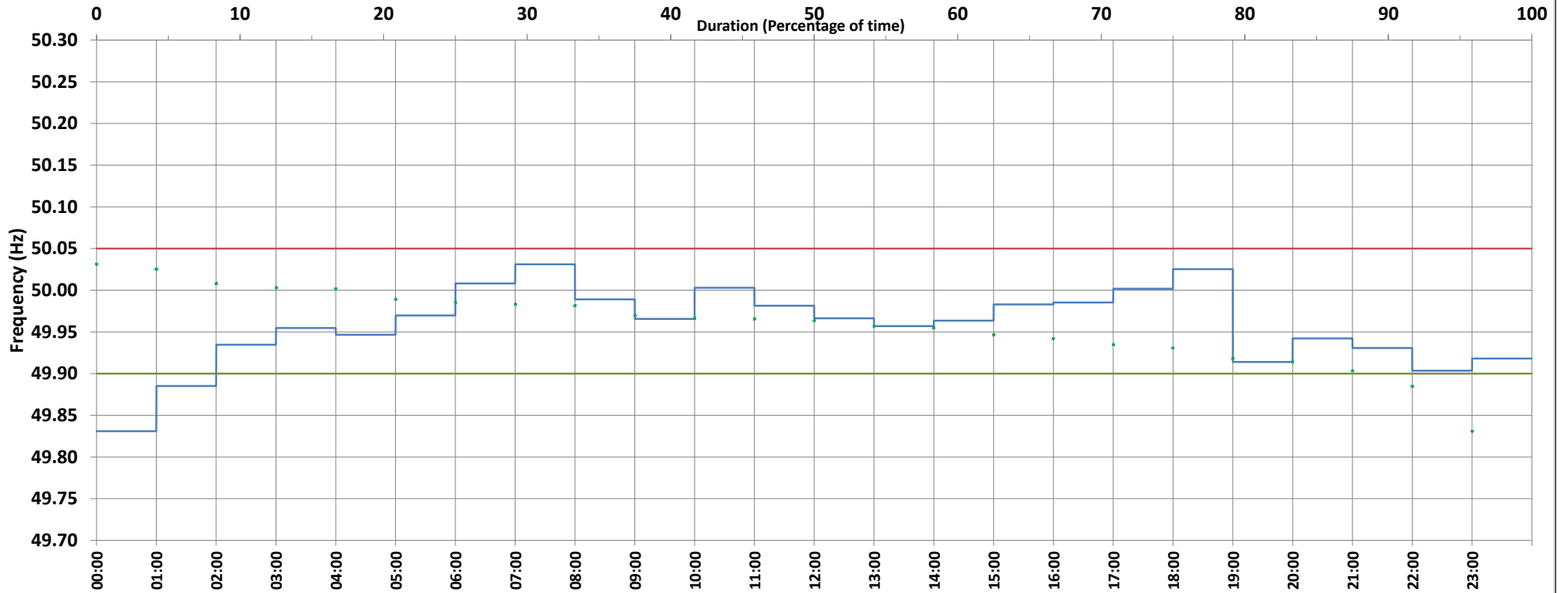
Source : BALLIA:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 27-May-2018 (Sunday)



<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	8.33	62.50	0.00	8.33	70.83	20.83	0.00	91.67	100.00	33.33	0.00	20.83	4.17	0.00	0.00	37.5	62.5	29.2

Average Frequency : 49.958	Frequency Variation Index : 0.038	Standard Deviation : 0.045	Mileage: 0.6	FDI: 8.3
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Instantaneous Frequency		
Max	50.128	6:01:30
Min	49.715	0:14:10

An Hour Average Frequency		
Max	50.031	8:00:00
Min	49.831	1:00:00

No. of excursions	
above 50.03 Hz	1
below 49.97 Hz	4
above 50.00 Hz	3
below 50.00 Hz	4

Average time freq per excursion remains	
below 49.97	3:45:00
above 50.03	1:00:00

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