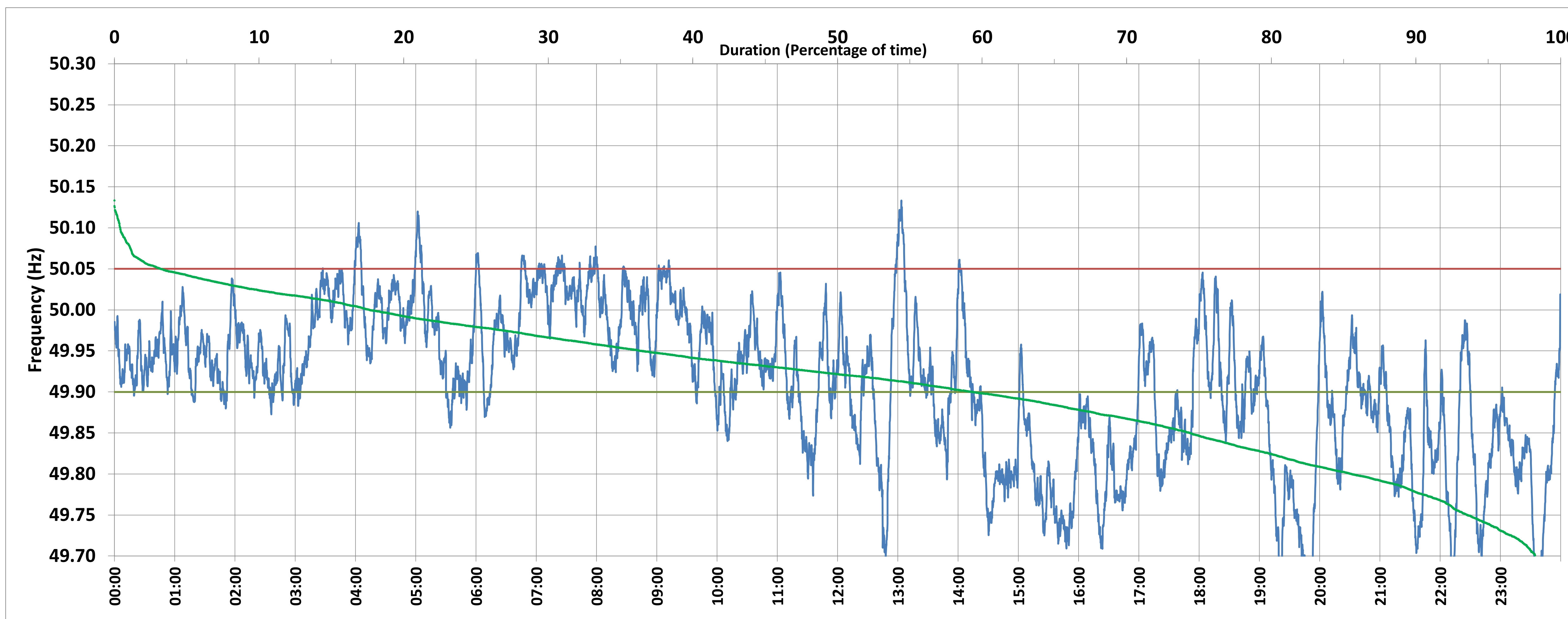


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 26-May-2018 (Saturday)



<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
1.7	40.6	71.3	12.7	26.2	41.7	17.2	0.4	56.2	98.3	20.6	2.8	17.6	8.1	3.2	0.0	63.5	33.3	22.9

Average Frequency : 49.910	Frequency Variation Index : 0.169	Standard Deviation : 0.093	Mileage: 44.4	FDI: 43.8
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Instantaneous Frequency		
Max	50.133	13:03:30
Min	49.568	19:49:10

15 minute Average Frequency		
Max	50.041	7:30:00
Min	49.702	23:45:00

No. of excursions	
above 50.03 Hz	55
below 49.97 Hz	73
above 50.00 Hz	68
below 50.00 Hz	69

Average time freq per excursion remains	
below 49.97	0:14:03
above 50.03	0:02:08

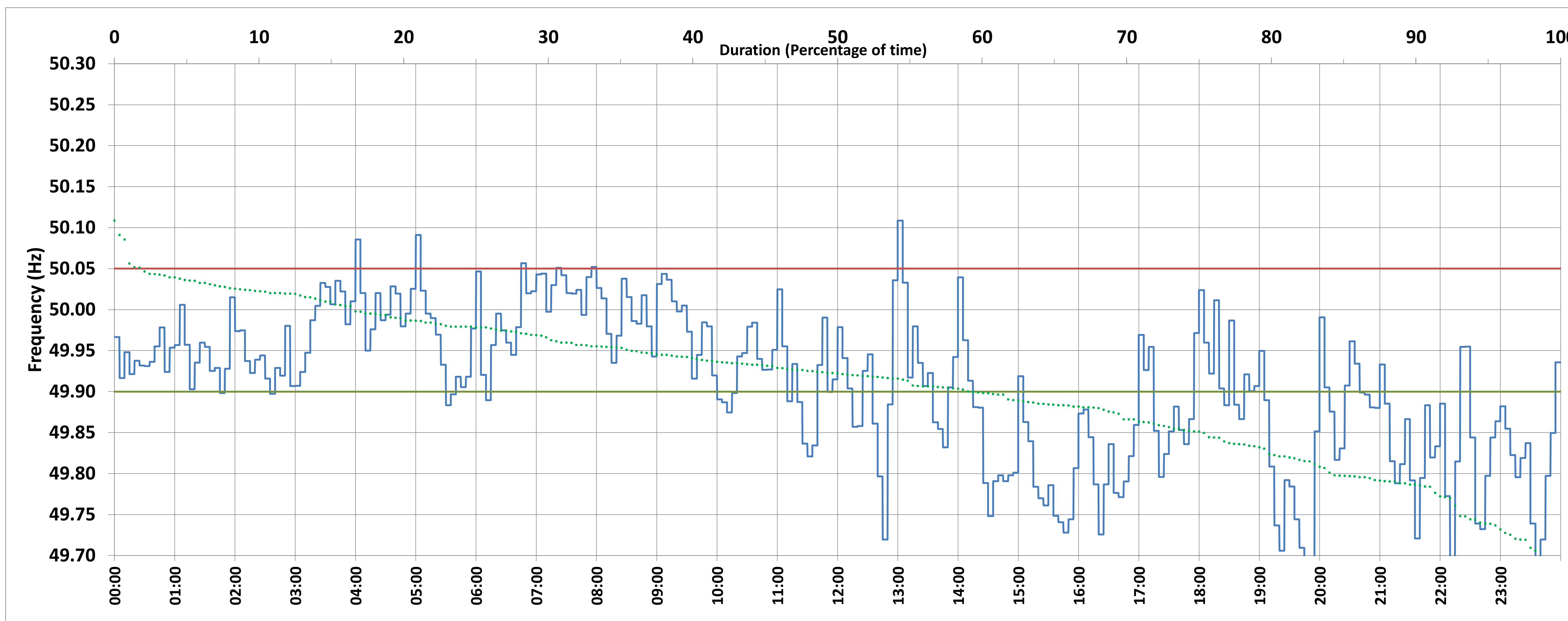
No. of hours freq outside 49.9-50.05 Hz	10:31:00
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Source : DURGAPUR:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

5 Min. Average Frequency profile for 26-May-2018 (Saturday)



<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
1.39	40.63	71.18	14.24	25.00	42.71	16.32	0.35	57.29	98.61	21.88	1.74	16.67	6.94	2.08	0.00	64.2	33.7	23.6

Average Frequency : 49.910	Frequency Variation Index : 0.165	Standard Deviation : 0.091	Mileage: 12.1	FDI: 42.7
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Instantaneous Frequency		
Max	50.133	13:03:30
Min	49.568	19:49:10

5 minute Average Frequency		
Max	50.109	13:05:00
Min	49.625	19:55:00

No. of excursions	
above 50.03 Hz	13
below 49.97 Hz	24
above 50.00 Hz	20
below 50.00 Hz	21

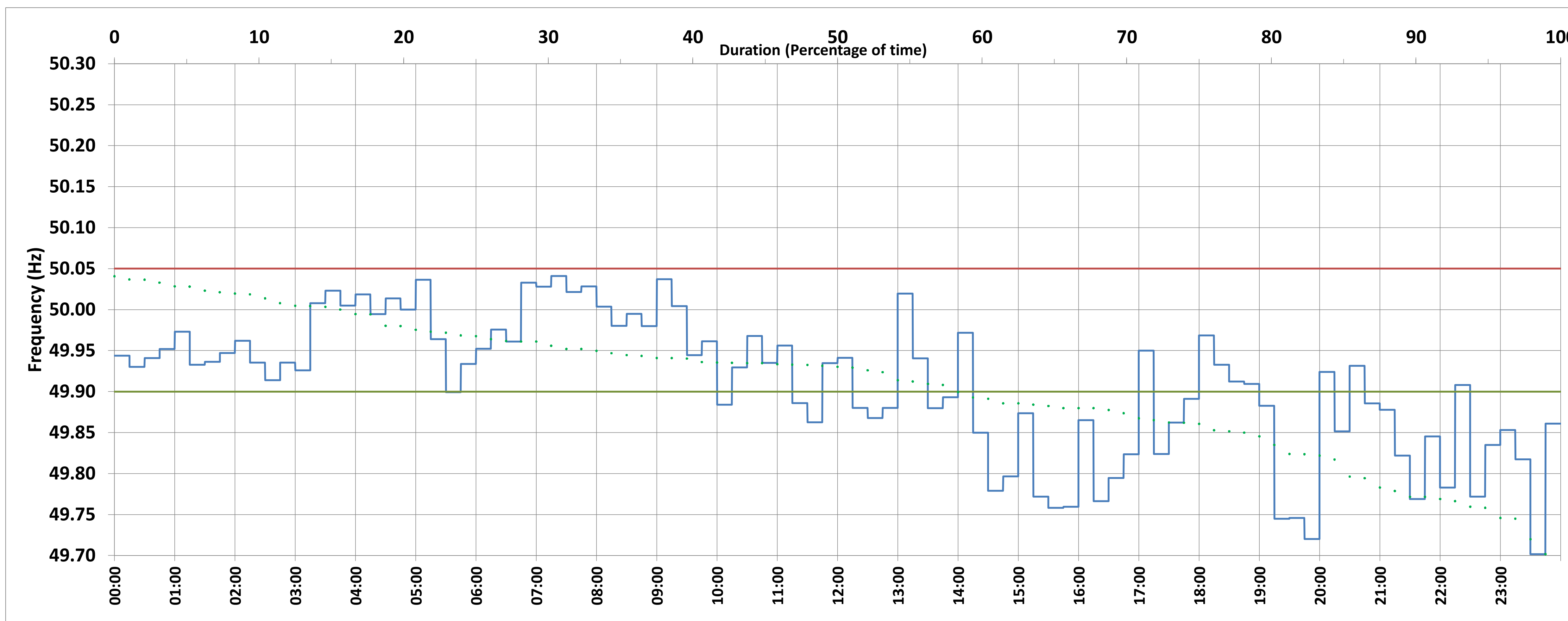
Average time freq per excursion remains	
below 49.97	0:42:43
above 50.03	0:07:42

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

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

15 Min. Average Frequency profile for 26-May-2018 (Saturday)



<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	41.67	76.04	14.58	27.08	41.67	16.67	0.00	58.33	100.00	19.79	0.00	16.67	4.17	0.00	0.00	66.7	33.3	25.0

Average Frequency : 49.910	Frequency Variation Index : 0.150	Standard Deviation : 0.083	Mileage: 4.5	FDI: 41.7
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Instantaneous Frequency		
Max	50.133	13:03:30
Min	49.568	19:49:10

15 minute Average Frequency		
Max	50.041	7:30:00
Min	49.702	23:45:00

No. of excursions	
above 50.03 Hz	4
below 49.97 Hz	7
above 50.00 Hz	5
below 50.00 Hz	6

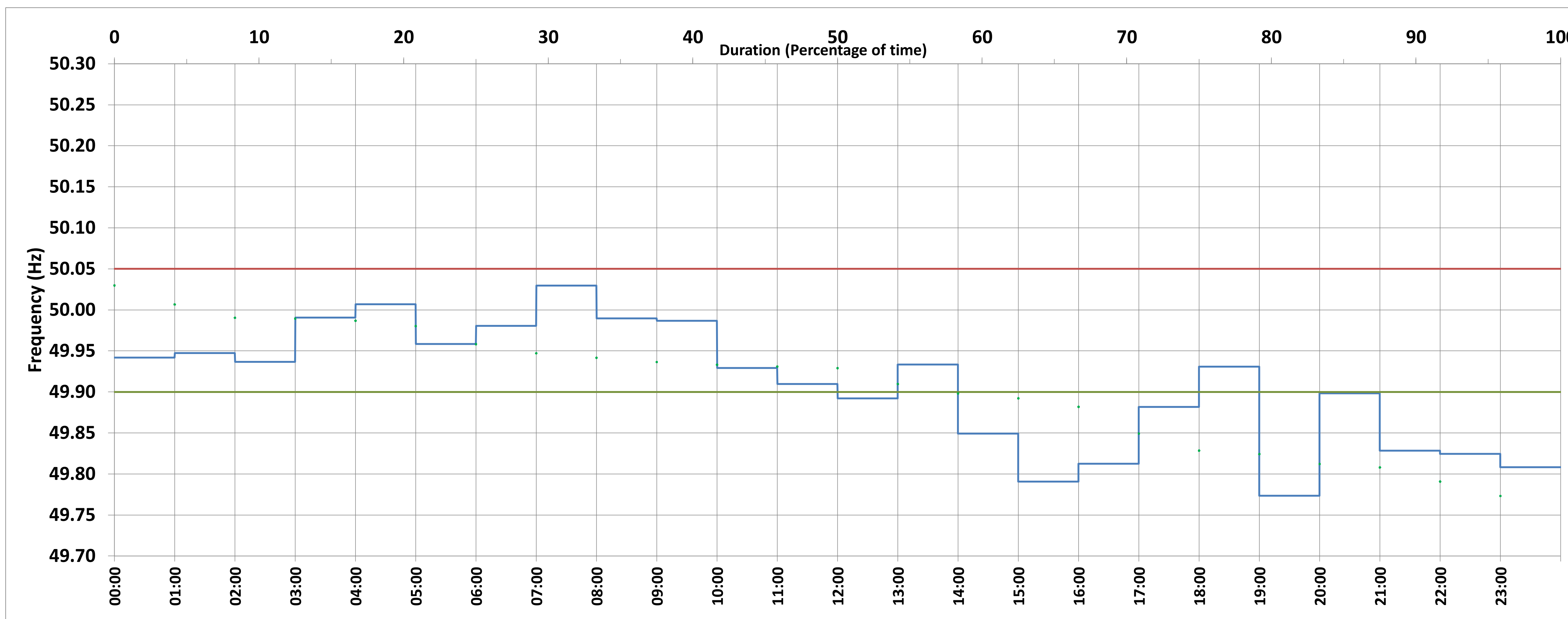
Average time freq per excursion remains	
below 49.97	2:36:26
above 50.03	0:15:00

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

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI

Hourly Average Frequency profile for 26-May-2018 (Saturday)



<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	41.67	75.00	8.33	33.33	50.00	8.33	0.00	58.33	91.67	25.00	0.00	8.33	0.00	0.00	8.33	70.8	29.2	29.2

Average Frequency : 49.910	Frequency Variation Index : 0.134	Standard Deviation : 0.072	Mileage: 1.0	FDI: 41.7
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Instantaneous Frequency		
Max	50.133	13:03:30
Min	49.568	19:49:10

An Hour Average Frequency		
Max	50.030	8:00:00
Min	49.773	20:00:00

No. of excursions	
above 50.03 Hz	0
below 49.97 Hz	3
above 50.00 Hz	2
below 50.00 Hz	3

Average time freq per excursion remains	
below 49.97	6:00:00
above 50.03	00:00

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