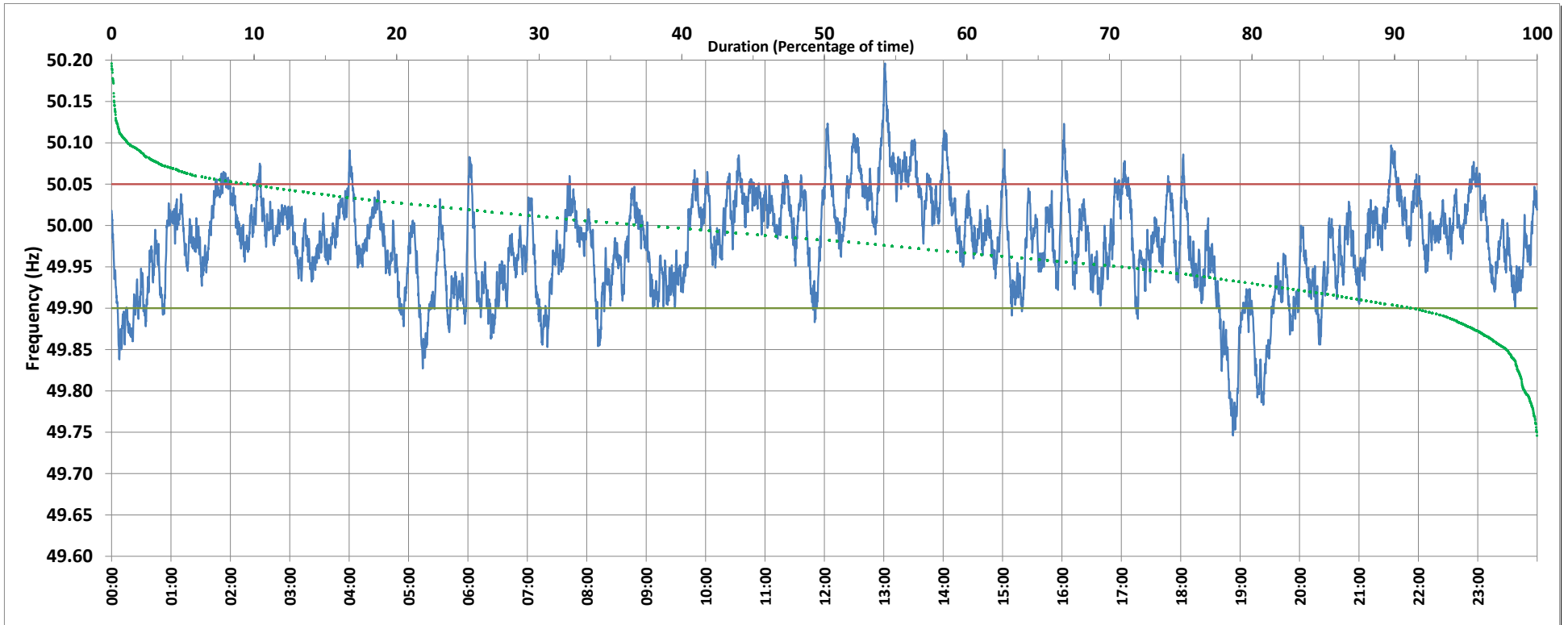


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 31-Aug-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	8.5	41.4	0.9	7.7	53.1	37.2	1.2	81.9	100.0	40.0	8.8	37.1	18.6	9.5	0.0	28.6	61.8	20.1

Average Frequency : 49.979	Frequency Variation Index : 0.039	Standard Deviation : 0.059	Mileage: 46.8	FDI: 18.1
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Instantaneous Frequency		
Max	50.196	13:01:10
Min	49.746	18:52:40

15 minute Average Frequency		
Max	50.099	13:15:00
Min	49.806	19:00:00

No. of excursions	
above 50.03 Hz	105
below 49.97 Hz	112
above 50.00 Hz	111
below 50.00 Hz	109

Average time freq per excursion remains	
below 49.97	0:05:19
above 50.03	0:02:33

No. of hours freq outside 49.9-50.05 Hz	4:20:00
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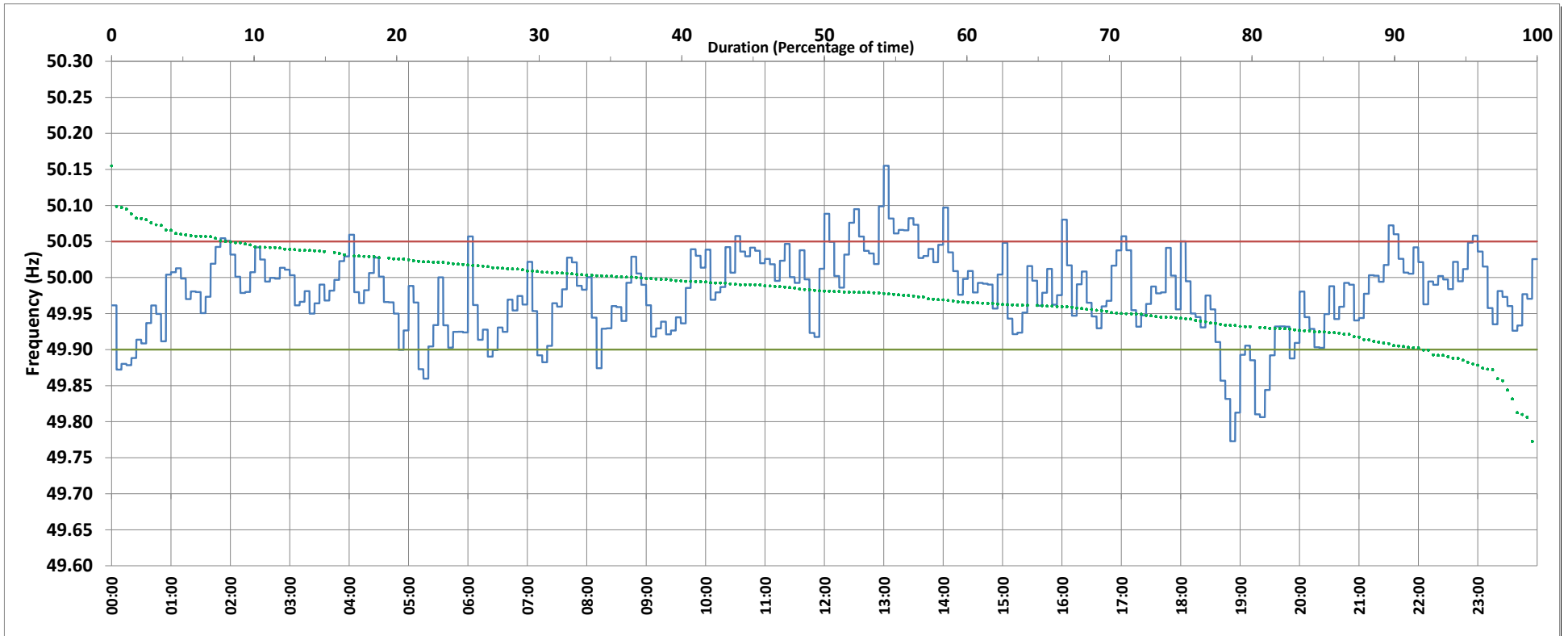
Source : VIJAYAWADA:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 31-Aug-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	7.99	42.01	0.35	7.64	54.86	36.81	0.35	83.68	100.00	40.63	7.99	37.15	17.36	8.33	0.00	28.8	62.8	20.8

Average Frequency : 49.979	Frequency Variation Index : 0.036	Standard Deviation : 0.056	Mileage: 8.5	FDI: 16.3
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Instantaneous Frequency		
Max	50.196	13:01:10
Min	49.746	18:52:40

5 minute Average Frequency		
Max	50.155	13:05:00
Min	49.773	19:00:00

No. of excursions	
above 50.03 Hz	24
below 49.97 Hz	32
above 50.00 Hz	33
below 50.00 Hz	33

Average time freq per excursion remains	
below 49.97	0:18:54
above 50.03	0:10:25

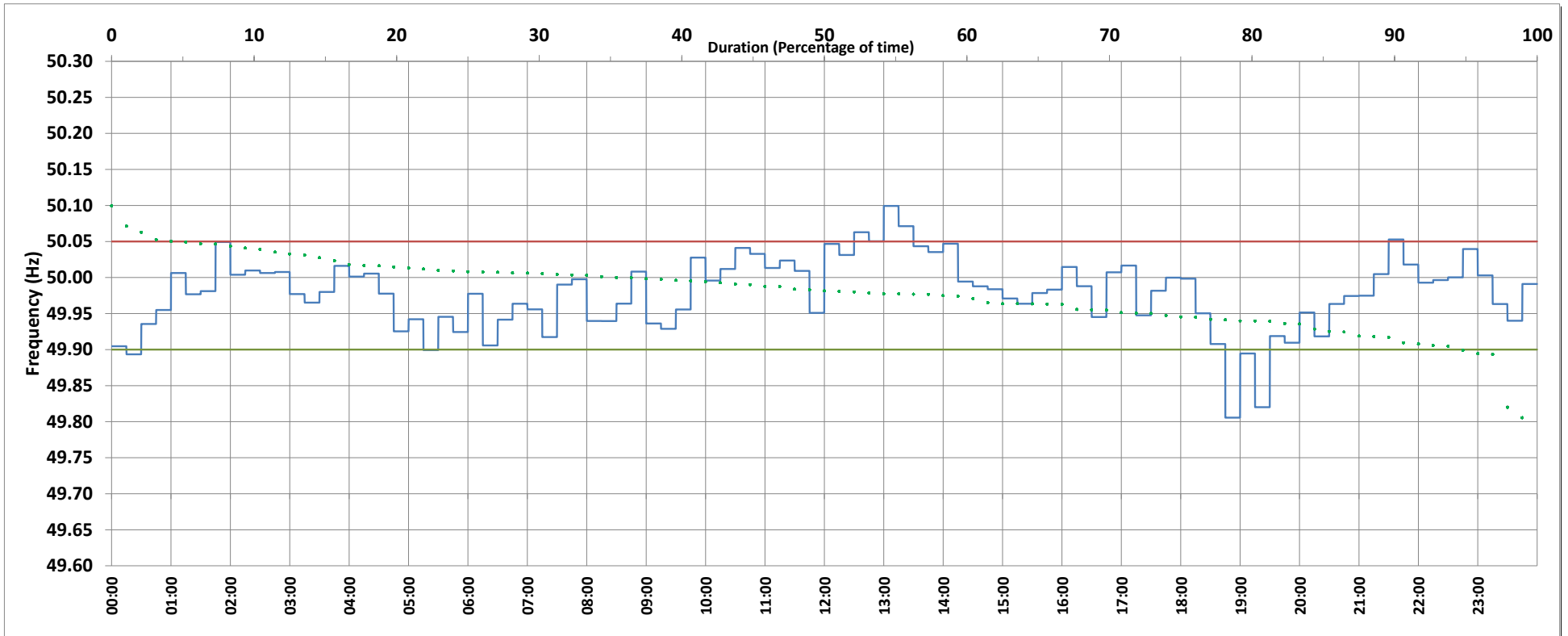
Source : VIJAYAWADA:Frequency 5 Min. (288 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



15 Min. Average Frequency profile for 31-Aug-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	5.21	38.54	0.00	5.21	58.33	36.46	0.00	89.58	100.00	46.88	5.21	36.46	14.58	5.21	0.00	26.0	68.8	20.8

Average Frequency : 49.979	Frequency Variation Index : 0.029	Standard Deviation : 0.050	Mileage: 3.0	FDI: 10.4
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Instantaneous Frequency		
Max	50.196	13:01:10
Min	49.746	18:52:40

15 minute Average Frequency		
Max	50.099	13:15:00
Min	49.806	19:00:00

No. of excursions	
above 50.03 Hz	5
below 49.97 Hz	12
above 50.00 Hz	11
below 50.00 Hz	12

Average time freq per excursion remains	
below 49.97	0:46:15
above 50.03	0:42:00

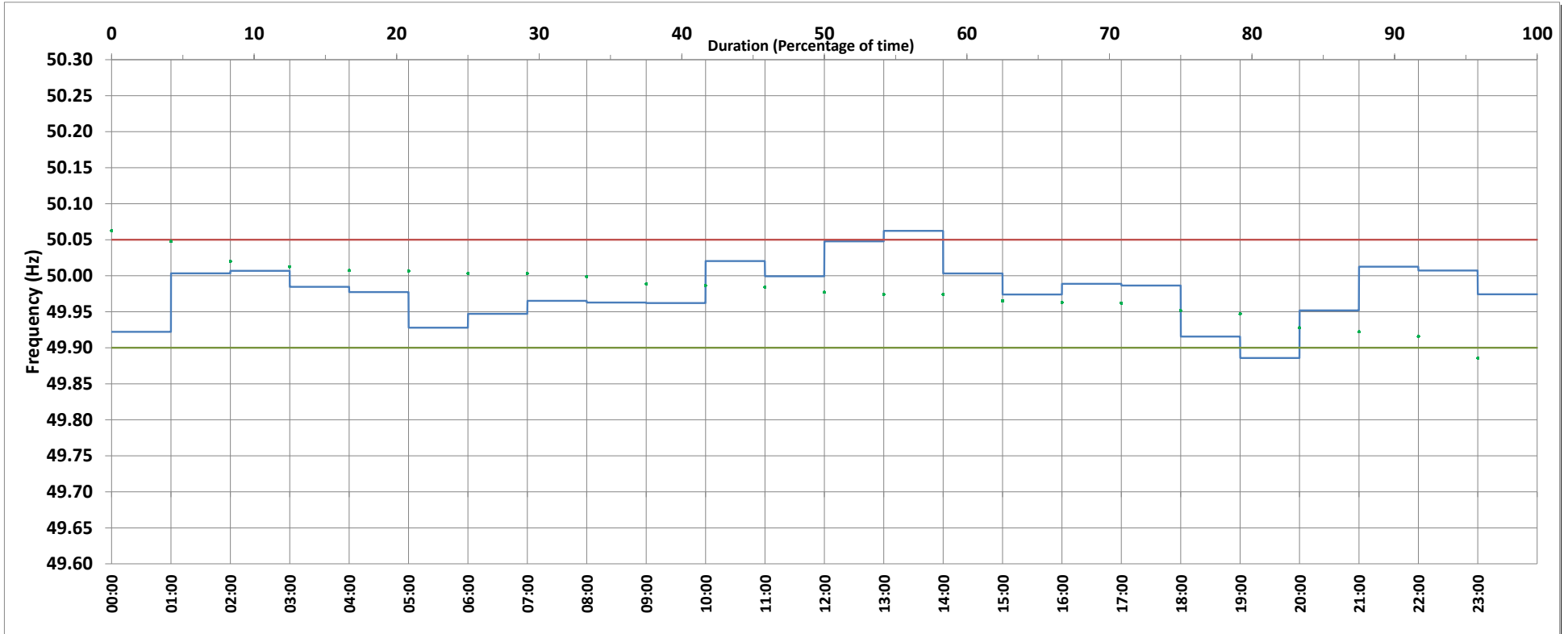
Source : VIJAYAWADA:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 31-Aug-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	4.17	37.50	0.00	4.17	62.50	33.33	0.00	91.67	100.00	54.17	4.17	33.33	8.33	4.17	0.00	20.8	75.0	16.7

Average Frequency : 49.979	Frequency Variation Index : 0.021	Standard Deviation : 0.040	Mileage: 0.7	FDI: 8.3
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Instantaneous Frequency		
Max	50.196	13:01:10
Min	49.746	18:52:40

An Hour Average Frequency		
Max	50.062	14:00:00
Min	49.886	20:00:00

No. of excursions	
above 50.03 Hz	1
below 49.97 Hz	3
above 50.00 Hz	4
below 50.00 Hz	5

Average time freq per excursion remains	
below 49.97	3:00:00
above 50.03	2:00:00

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