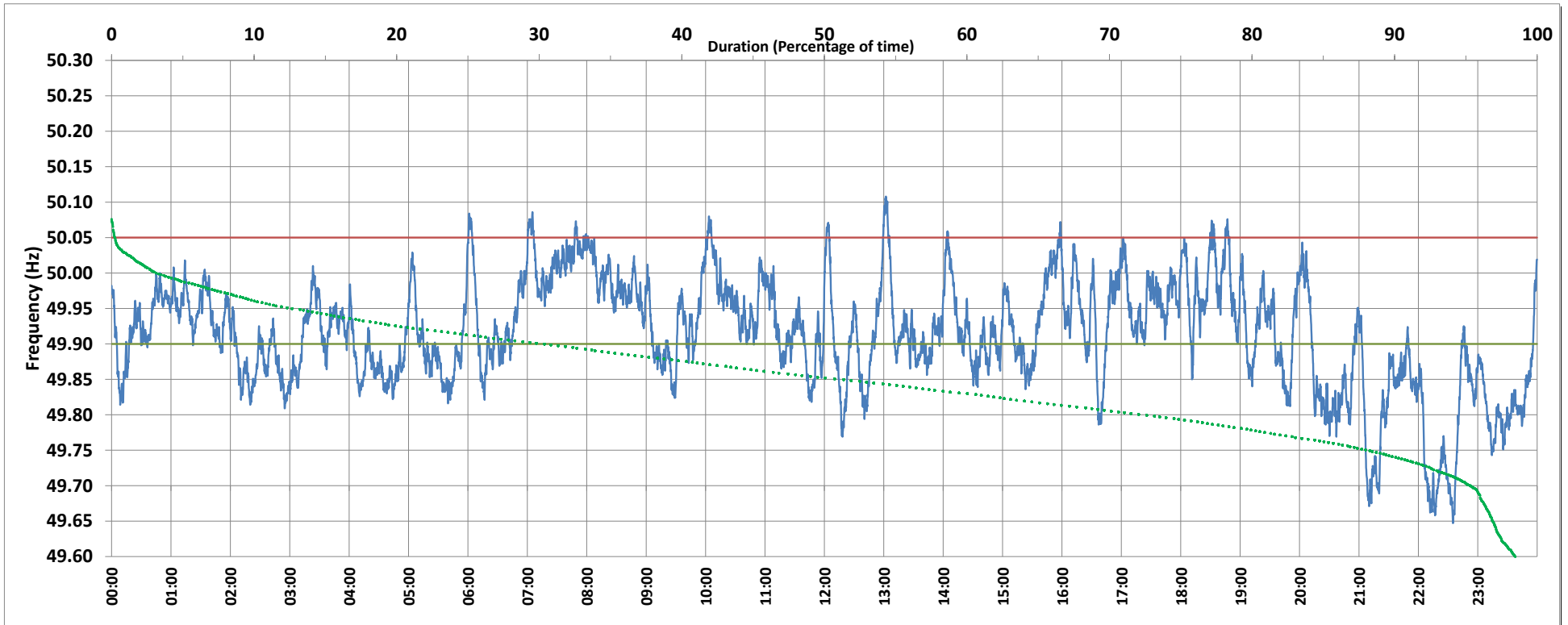


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 20-Jun-2018 (Wednesday)



<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
1.5	41.2	75.5	4.7	35.0	45.6	13.1	0.1	56.4	98.5	18.8	2.4	12.7	5.6	2.4	0.0	66.1	31.5	24.9

Average Frequency : 49.914	Frequency Variation Index : 0.134	Standard Deviation : 0.077	Mileage: 45.0	FDI: 43.6
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Instantaneous Frequency		
Max	50.108	13:02:10
Min	49.647	22:34:50

15 minute Average Frequency		
Max	50.040	8:00:00
Min	49.715	22:30:00

No. of excursions	
above 50.03 Hz	44
below 49.97 Hz	93
above 50.00 Hz	51
below 50.00 Hz	53

Average time freq per excursion remains	
below 49.97	0:11:42
above 50.03	0:01:51

No. of hours freq outside 49.9-50.05 Hz	10:27:30
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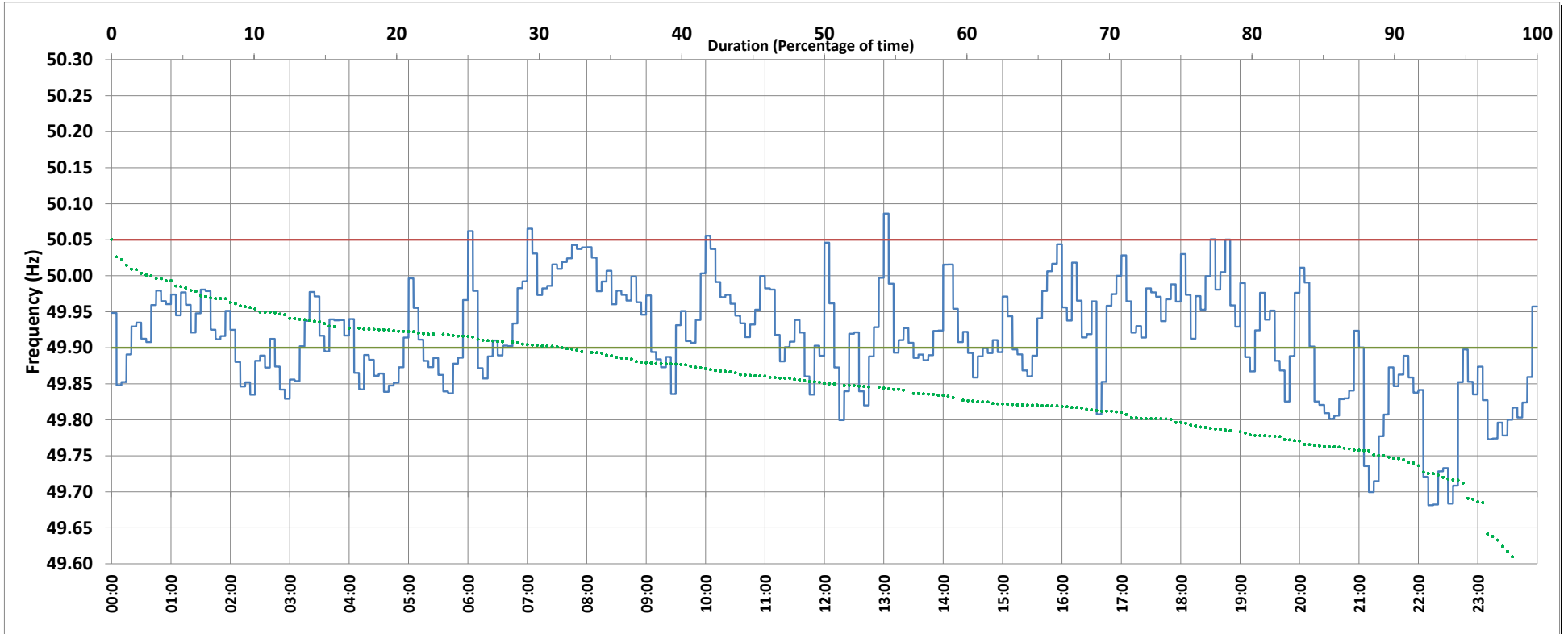
Source : VIJAYAWADA:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 20-Jun-2018 (Wednesday)



<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	41.32	74.31	4.17	35.76	48.26	10.42	0.00	56.60	98.61	20.49	2.08	10.42	5.21	2.08	0.00	65.3	32.6	24.0

Average Frequency : 49.914	Frequency Variation Index : 0.130	Standard Deviation : 0.075	Mileage: 10.0	FDI: 43.4
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Instantaneous Frequency		
Max	50.108	13:02:10
Min	49.647	22:34:50

5 minute Average Frequency		
Max	50.086	13:05:00
Min	49.681	22:20:00

No. of excursions	
above 50.03 Hz	10
below 49.97 Hz	29
above 50.00 Hz	15
below 50.00 Hz	16

Average time freq per excursion remains	
below 49.97	0:36:54
above 50.03	0:07:30

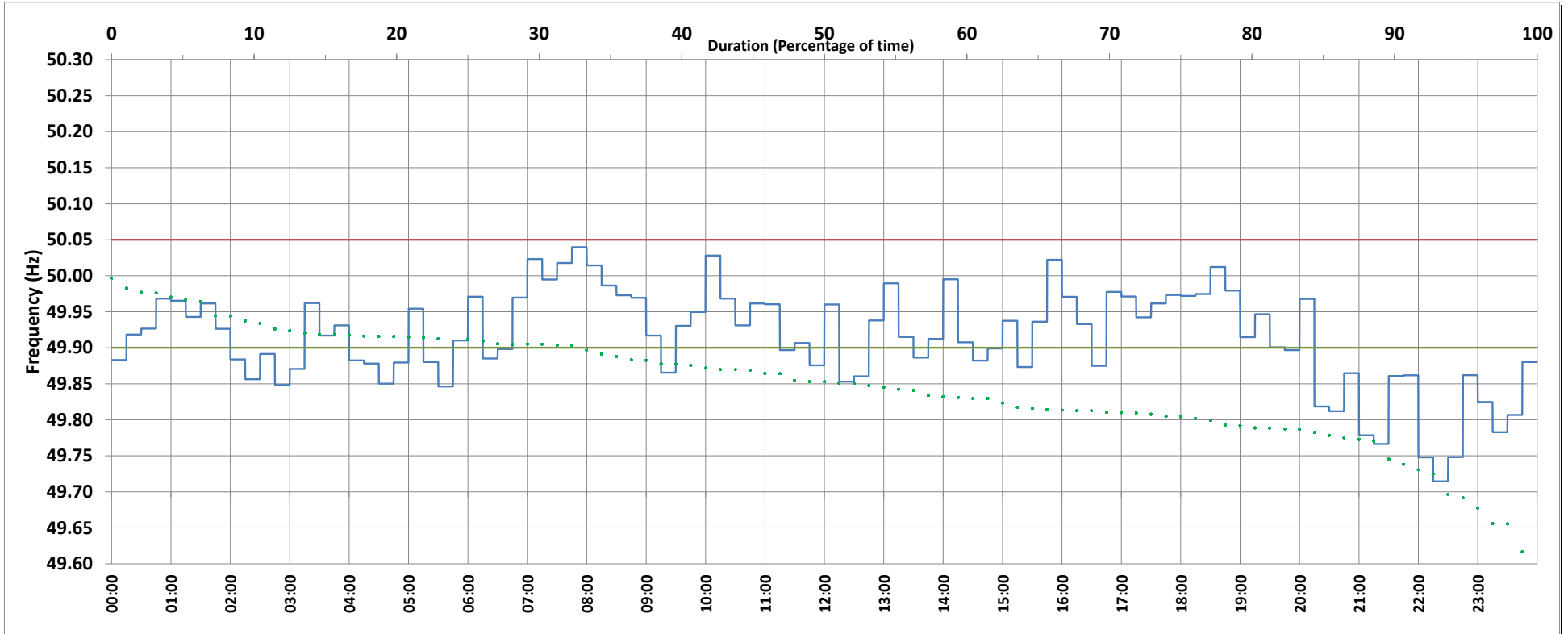
Source : VIJAYAWADA:Frequency 5 Min. (288 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



15 Min. Average Frequency profile for 20-Jun-2018 (Wednesday)



<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	79.17	6.25	35.42	51.04	7.29	0.00	58.33	100.00	19.79	0.00	7.29	1.04	0.00	0.00	65.6	34.4	24.0

Average Frequency : 49.914	Frequency Variation Index : 0.118	Standard Deviation : 0.067	Mileage: 4.2	FDI: 41.7
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Instantaneous Frequency		
Max	50.108	13:02:10
Min	49.647	22:34:50

15 minute Average Frequency		
Max	50.040	8:00:00
Min	49.715	22:30:00

No. of excursions	
above 50.03 Hz	1
below 49.97 Hz	9
above 50.00 Hz	5
below 50.00 Hz	6

Average time freq per excursion remains	
below 49.97	2:06:40
above 50.03	0:15:00

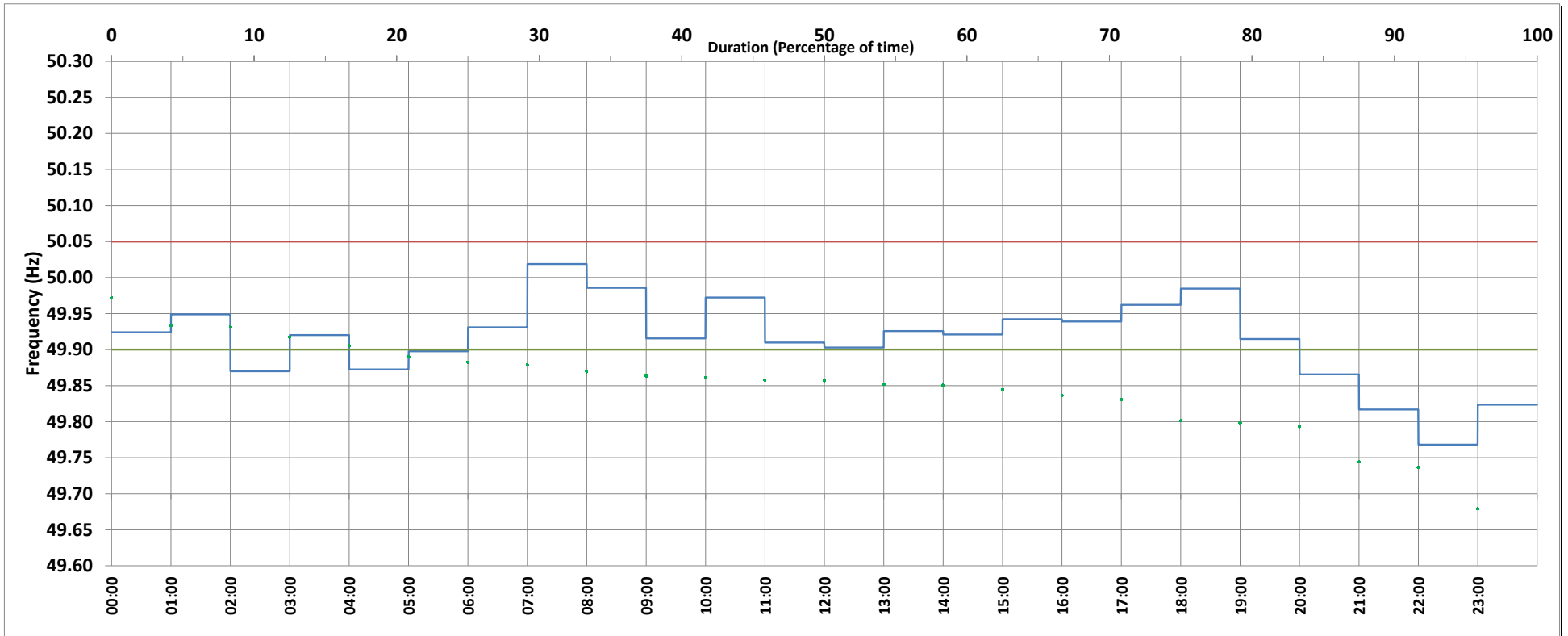
Source : VIJAYAWADA:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 20-Jun-2018 (Wednesday)



<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	29.17	83.33	4.17	25.00	66.67	4.17	0.00	70.83	95.83	16.67	0.00	4.17	0.00	0.00	4.17	79.2	20.8	50.0

Average Frequency : 49.914	Frequency Variation Index : 0.106	Standard Deviation : 0.056	Mileage: 0.9	FDI: 29.2
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Instantaneous Frequency		
Max	50.108	13:02:10
Min	49.647	22:34:50

An Hour Average Frequency		
Max	50.019	8:00:00
Min	49.768	23:00:00

No. of excursions	
above 50.03 Hz	0
below 49.97 Hz	4
above 50.00 Hz	1
below 50.00 Hz	2

Average time freq per excursion remains	
below 49.97	5:00:00
above 50.03	00:00

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