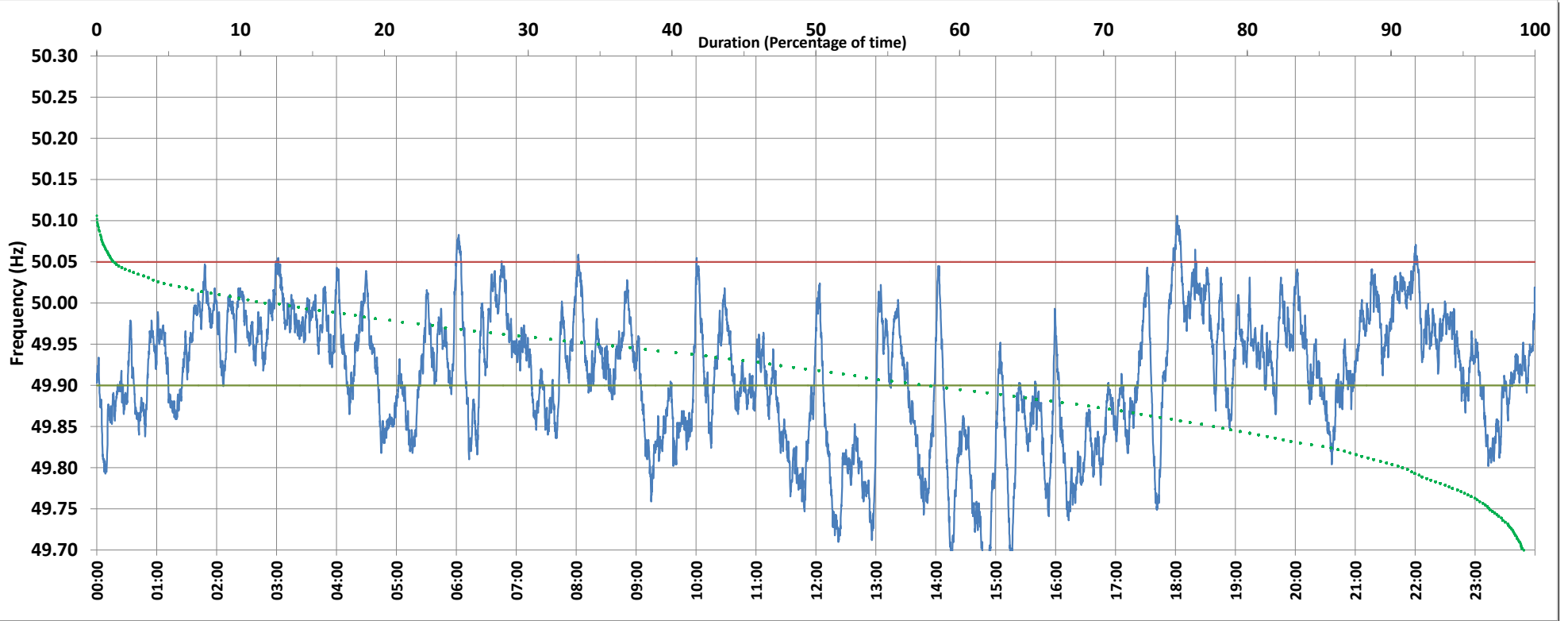


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 31-May-2018 (Thursday)



<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
0.7	42.0	74.7	8.1	33.1	45.3	12.7	0.0	56.7	99.3	21.4	1.2	11.7	3.9	1.3	0.0	64.1	34.6	22.1

Average Frequency : 49.911	Frequency Variation Index : 0.140	Standard Deviation : 0.078	Mileage: 46.5	FDI: 43.3
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Instantaneous Frequency		
Max	50.106	18:01:50
Min	49.625	14:50:30

15 minute Average Frequency		
Max	50.033	18:15:00
Min	49.708	15:00:00

No. of excursions	
above 50.03 Hz	45
below 49.97 Hz	66
above 50.00 Hz	53
below 50.00 Hz	49

Average time freq per excursion remains	
below 49.97	0:16:18
above 50.03	0:01:16

No. of hours freq outside 49.9-50.05 Hz	10:23:00
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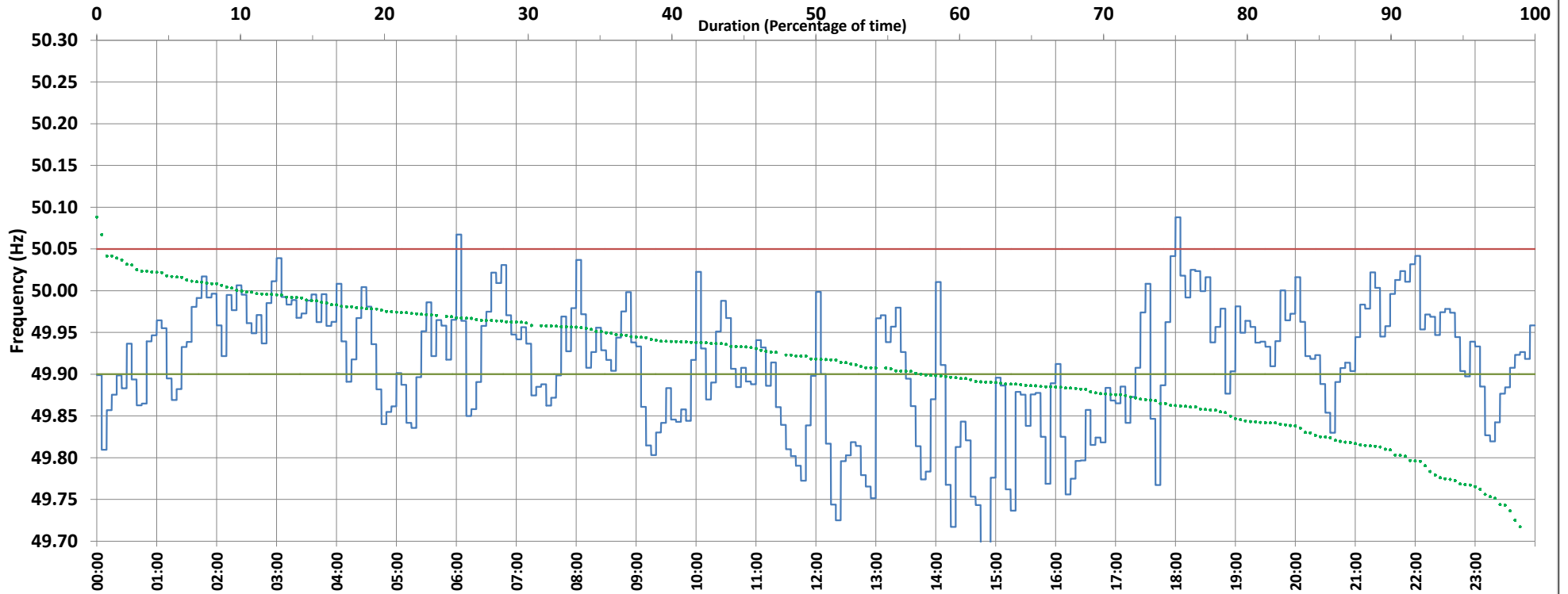
Source : BAWANA:Frequency 10 Sec. (8640 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



5 Min. Average Frequency profile for 31-May-2018 (Thursday)



<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
0.69	42.36	75.69	7.99	33.68	47.57	10.07	0.00	56.94	99.31	21.53	0.69	10.07	2.78	0.69	0.00	64.6	34.7	22.2

Average Frequency : 49.911	Frequency Variation Index : 0.136	Standard Deviation : 0.076	Mileage: 10.8	FDI: 43.1
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Instantaneous Frequency		
Max	50.106	18:01:50
Min	49.625	14:50:30

5 minute Average Frequency		
Max	50.088	18:05:00
Min	49.668	15:00:00

No. of excursions	
above 50.03 Hz	6
below 49.97 Hz	30
above 50.00 Hz	18
below 50.00 Hz	19

Average time freq per excursion remains	
below 49.97	0:36:20
above 50.03	0:06:40

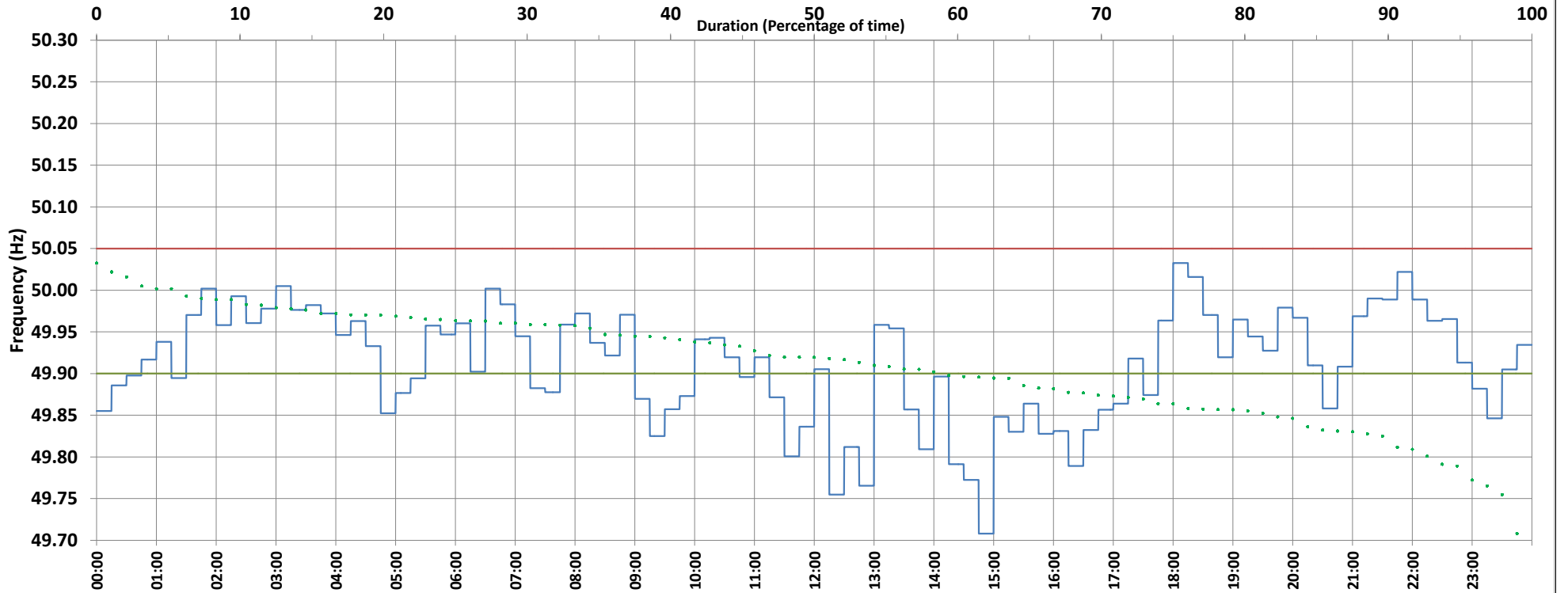
Source : BAWANA:Frequency 5 Min. (288 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



15 Min. Average Frequency profile for 31-May-2018 (Thursday)



<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	40.63	79.17	6.25	34.38	53.13	6.25	0.00	59.38	100.00	19.79	0.00	6.25	1.04	0.00	0.00	64.6	35.4	24.0

Average Frequency : 49.911	Frequency Variation Index : 0.123	Standard Deviation : 0.067	Mileage: 4.0	FDI: 40.6
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Instantaneous Frequency		
Max	50.106	18:01:50
Min	49.625	14:50:30

15 minute Average Frequency		
Max	50.033	18:15:00
Min	49.708	15:00:00

No. of excursions	
above 50.03 Hz	1
below 49.97 Hz	10
above 50.00 Hz	5
below 50.00 Hz	6

Average time freq per excursion remains	
below 49.97	1:54:00
above 50.03	0:15:00

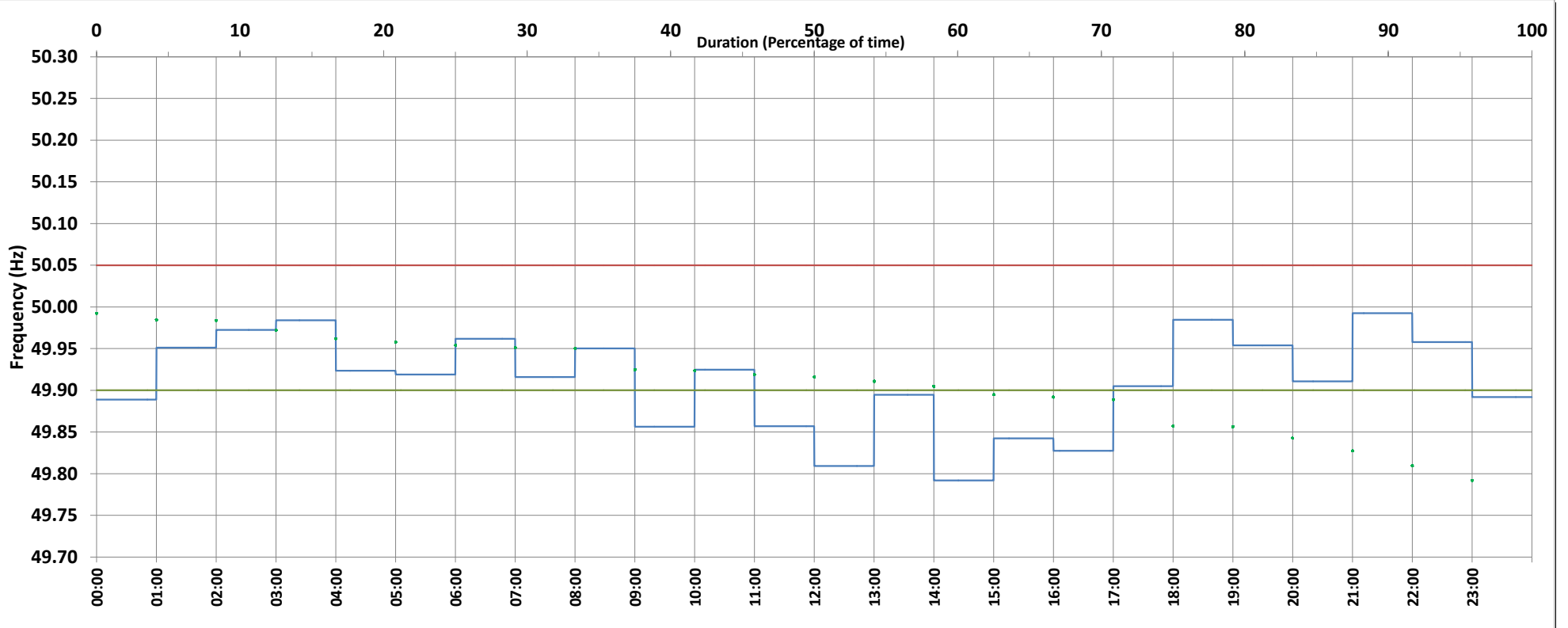
Source : BAWANA:Frequency 15 Min. (96 samples)

POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Hourly Average Frequency profile for 31-May-2018 (Thursday)



<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	37.50	83.33	4.17	33.33	62.50	0.00	0.00	62.50	95.83	16.67	0.00	0.00	0.00	0.00	4.17	62.5	37.5	25.0

Average Frequency : 49.911	Frequency Variation Index : 0.110	Standard Deviation : 0.056	Mileage: 1.2	FDI: 37.5
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Instantaneous Frequency		
Max	50.106	18:01:50
Min	49.625	14:50:30

An Hour Average Frequency		
Max	49.992	22:00:00
Min	49.792	15:00:00

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

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

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