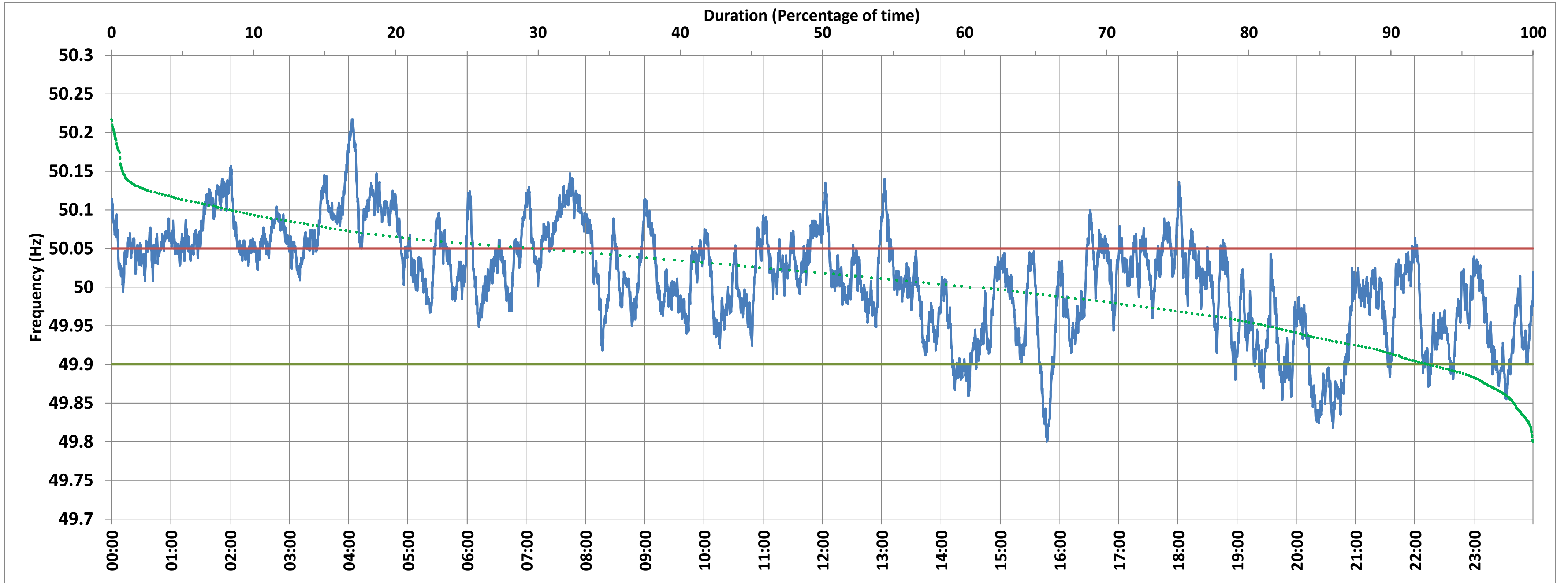




VIJAYAWADA:Frequency

National Grid Frequency Profile for 3-May-2018



<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
0.00	7.22	25.19	0.00	7.22	31.46	52.81	8.30	63.16	99.79	31.96	22.08	60.39	42.86	29.62	0.21

Average Frequency :	50.011	Frequency Variation Index :	0.047	Standard Deviation :	0.068	Mileage	44.29
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Instantaneous Frequency		
Max	50.217	4:03:10
Min	49.800	15:47:20

15 minute Average Frequency		
Max	50.140	4:15:00
Min	49.851	20:30:00

No. of excursions above 50.03 Hz	126
No. of excursions below 49.97 Hz	84
No. of excursions above 50.00 Hz	95
No. of excursions below 50.00 Hz	92

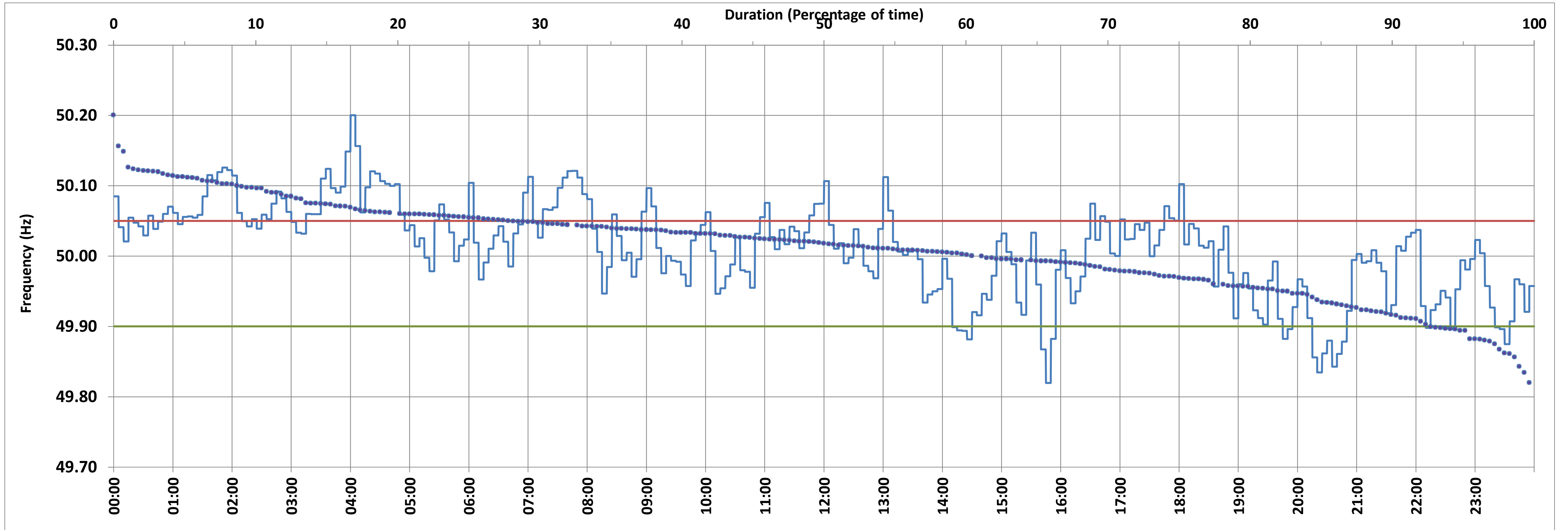
% time <49.95	18.62
% time between 49.95 to 50.05	51.76

Average time freq remains below 49.97 per excursion	0:04:19	Average time frequency remains above 50.03 per excursion	0:04:54
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VIJAYAWADA:Frequency

5 Min. Average Frequency Profile for 3-May-2018



<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
0.00	7.29	25.00	0.00	7.29	31.60	52.08	8.68	64.58	99.65	32.29	19.10	61.11	42.71	28.13	0.35

Average Frequency :	50.011
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Mileage	7.9747
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Instantaneous Frequency		
Max	50.217	4:03:10
Min	49.800	15:47:20

Based on 5 minute Average Frequency			
Max	50.201	4:05:00	
Min	49.820	15:55:00	

No. of excursions above 50.03 Hz	27
No. of excursions below 49.97 Hz	18
No. of excursions above 50.00 Hz	24
No. of excursions below 50.00 Hz	24

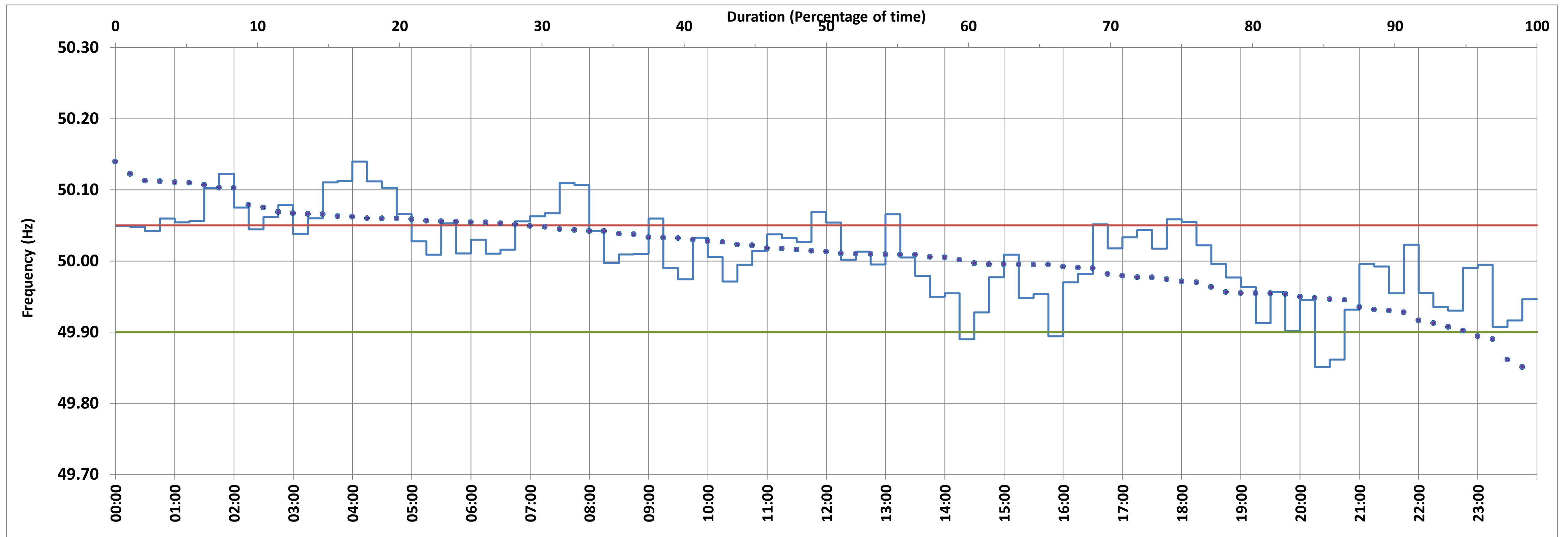
% time <49.95	17.36
% time between 49.95 to 50.05	54.51

NOTE: All calculations except Instantaneous Max/Min based on 5 minute average frequency



VIJAYAWADA:Frequency

15 Min. Average Frequency Profile for 3-May-2018



<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	
0.00	4.17	22.92	0.00	4.17	35.42	51.04	9.38	66.67	100.00	36.46	19.79	60.42	40.63	29.17	0.00	

Average Frequency :	50.011
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Mileage	3.0089
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Instantaneous Frequency		
Max	50.217	4:03:10
Min	49.800	15:47:20

Based on 15 minute Average Frequency			
Max	50.140	4:15:00	
Min	49.851	20:30:00	

No. of excursions above 50.03 Hz	11
No. of excursions below 49.97 Hz	6
No. of excursions above 50.00 Hz	8
No. of excursions below 50.00 Hz	8

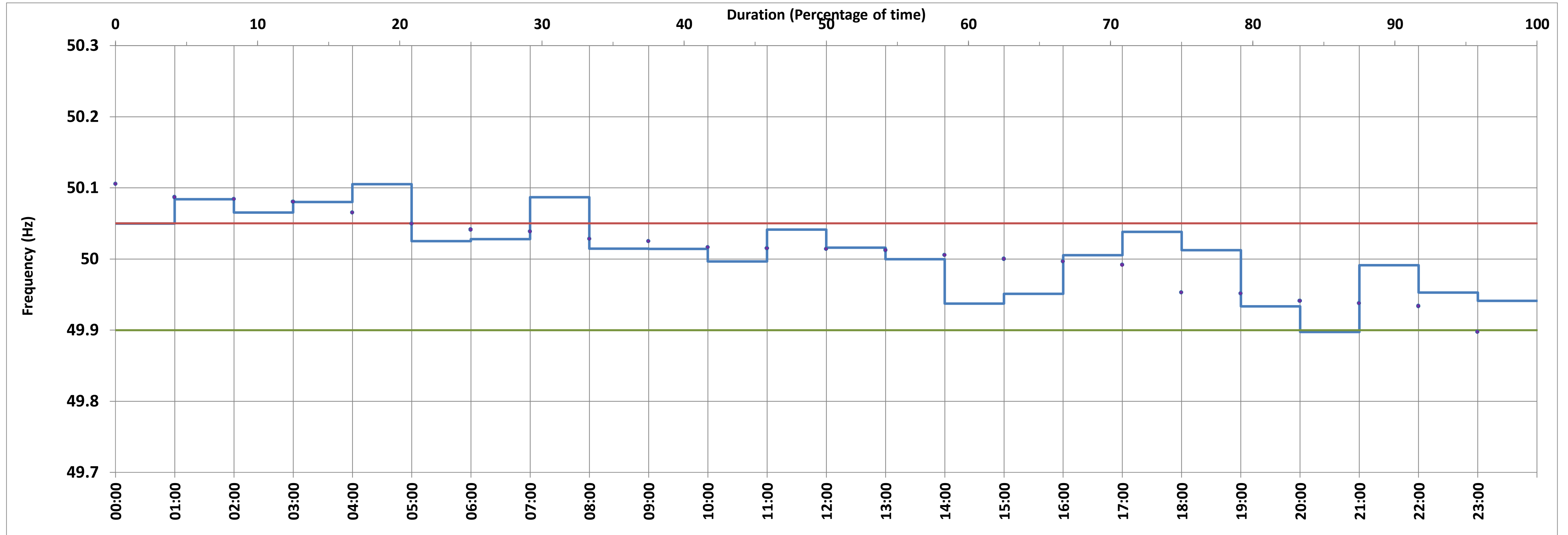
% time <49.95	16.67
% time between 49.95 to 50.05	54.17

NOTE: All calculations except Instantaneous Max/Min based on 15 minute average frequency



VIJAYAWADA:Frequency

Hourly Average Frequency Profile for 3-May-2018



<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	
0.00	4.17	25.00	0.00	4.17	33.33	58.33	4.17	75.00	100.00	41.67	16.67	62.50	33.33	20.83	0.00	

Average Frequency :	50.011
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Mileage	0.8600
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Instantaneous Frequency		
Max	50.217	4:03:10
Min	49.800	15:47:20

Based on an hour Average Frequency			
Max	50.105	5:00:00	
Min	49.897	21:00:00	

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

% time <49.95	16.67
% time between 49.95 to 50.05	62.50

NOTE: All calculations except Instantaneous Max/Min based on an hour average frequency