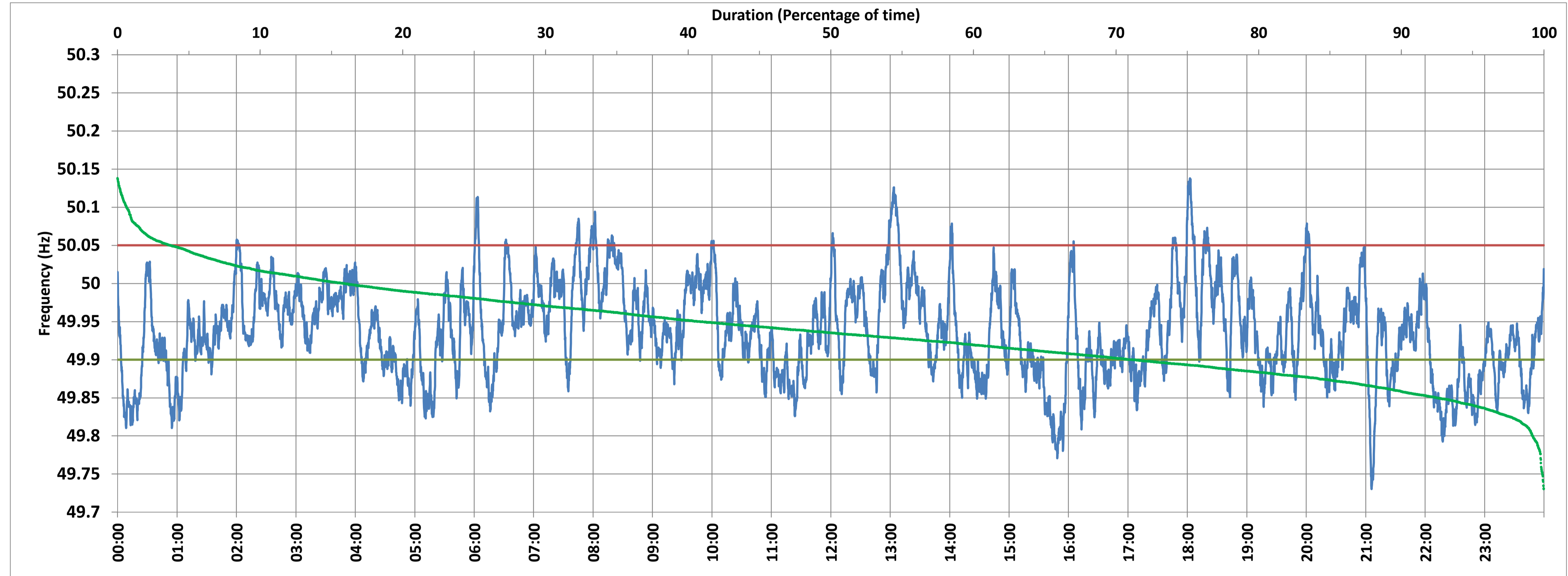




MPPTCL BINA:Frequency

National Grid Frequency Profile for 28-Mar-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 | 28.74 | 69.56 | 0.79 | 27.95 | 55.36 | 15.27 | 0.64 | 67.55 | 100.00 | 23.45 | 3.10 | 15.88 | 6.99 | 3.72 | 0.00 |

| | | | | | | | |
|---------------------|--------|-----------------------------|-------|----------------------|-------|---------|-------|
| Average Frequency : | 49.938 | Frequency Variation Index : | 0.077 | Standard Deviation : | 0.062 | Mileage | 46.32 |
|---------------------|--------|-----------------------------|-------|----------------------|-------|---------|-------|

| | | |
|-------------------------|--------|----------|
| Instantaneous Frequency | | |
| Max | 50.138 | 18:02:30 |
| Min | 49.730 | 21:05:50 |

| | | |
|-----------------------------|--------|----------|
| 15 minute Average Frequency | | |
| Max | 50.053 | 13:15:00 |
| Min | 49.828 | 16:00:00 |

| | |
|----------------------------------|-----|
| No. of excursions above 50.03 Hz | 49 |
| No. of excursions below 49.97 Hz | 125 |
| No. of excursions above 50.00 Hz | 92 |
| No. of excursions below 50.00 Hz | 93 |

| | |
|-------------------------------|-------|
| % time <49.95 | 59.05 |
| % time between 49.95 to 50.05 | 37.23 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:08:01 | Average time frequency remains above 50.03 per excursion | 0:02:03 |
|---|---------|--|---------|