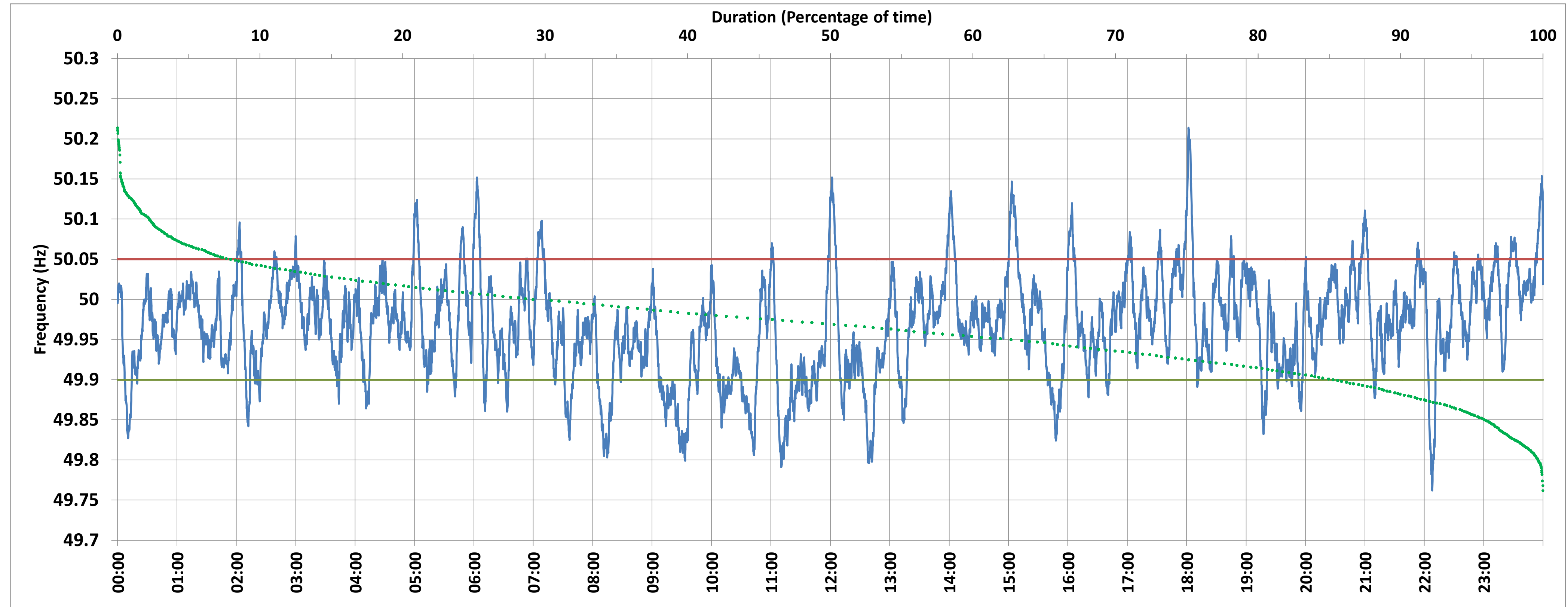




BAWANA:Frequency

National Grid Frequency Profile for 24-Dec-2017



| | | | | | | | | | | | | | | | |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|
| <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 | 14.42 | 49.73 | 0.32 | 14.10 | 55.17 | 28.14 | 2.22 | 77.64 | 99.95 | 36.09 | 6.02 | 29.14 | 14.18 | 7.94 | 0.05 |

| | | | | | |
|---------------------|--------|-----------------------------|-------|----------------------|-------|
| Average Frequency : | 49.967 | Frequency Variation Index : | 0.052 | Standard Deviation : | 0.064 |
|---------------------|--------|-----------------------------|-------|----------------------|-------|

| | | |
|-------------------------|--------|----------|
| Instantaneous Frequency | | |
| Max | 50.214 | 18:01:50 |
| Min | 49.762 | 22:08:00 |

| | | |
|-----------------------------|--------|----------|
| 15 minute Average Frequency | | |
| Max | 50.068 | 15:15:00 |
| Min | 49.854 | 12:45:00 |

| | |
|----------------------------------|-----|
| No. of excursions above 50.03 Hz | 82 |
| No. of excursions below 49.97 Hz | 145 |
| No. of excursions above 50.00 Hz | 100 |
| No. of excursions below 50.00 Hz | 101 |

| | | | |
|---|---------|--|---------|
| Average time freq remains below 49.97 per excursion | 0:04:56 | Average time frequency remains above 50.03 per excursion | 0:02:29 |
|---|---------|--|---------|