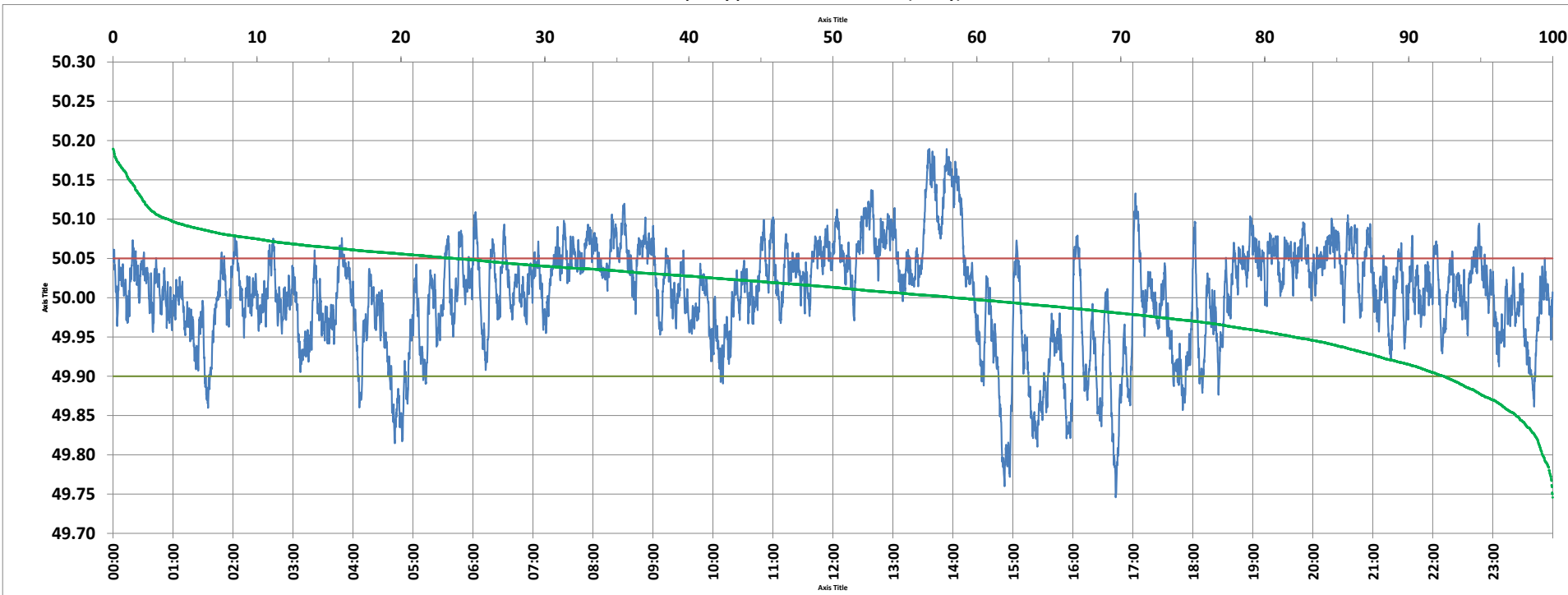


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 05-Nov-2021 (Friday)



|       |        |        |           |           |           |           |           |             |           |             |            |       |        |        |       |        |             |             |
|-------|--------|--------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-------------|------------|-------|--------|--------|-------|--------|-------------|-------------|
| <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  | 7.57   | 24.84  | 0.72      | 6.85      | 34.04     | 54.58     | 3.81      | 68.73       | 100.00    | 37.13       | 19.90      | 58.39 | 38.03  | 23.70  | 0.00  | 17.96  | 58.33       | 10.39       |

|                            |                                    |                             |               |           |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|
| Average Frequency : 50.004 | Frequency Variation Index : 0.0432 | Standard Deviation : 0.0656 | Mileage: 53.5 | FDI: 31.3 |
|----------------------------|------------------------------------|-----------------------------|---------------|-----------|

| Instantaneous Frequency |                 |
|-------------------------|-----------------|
| Max                     | 50.189 13:36:30 |
| Min                     | 49.746 16:42:50 |

| 15 minute Average Frequency |                 |
|-----------------------------|-----------------|
| Max                         | 50.142 13:45:00 |
| Min                         | 49.826 15:00:00 |

| No. of excursions |     |
|-------------------|-----|
| above 50.03 Hz    | 204 |
| below 49.97 Hz    | 117 |
| above 50.00 Hz    | 192 |
| below 50.00 Hz    | 191 |

| Average time freq per excursion remains |         |
|---|---------|
| below 49.97                             | 0:03:03 |
| above 50.03                             | 0:02:41 |

|   |         |
|---|---------|
| No. of hours freq outside 49.9-50.05 Hz | 7:30:20 |
|---|---------|

Source : AGRA 10 Sec. (8640 samples)