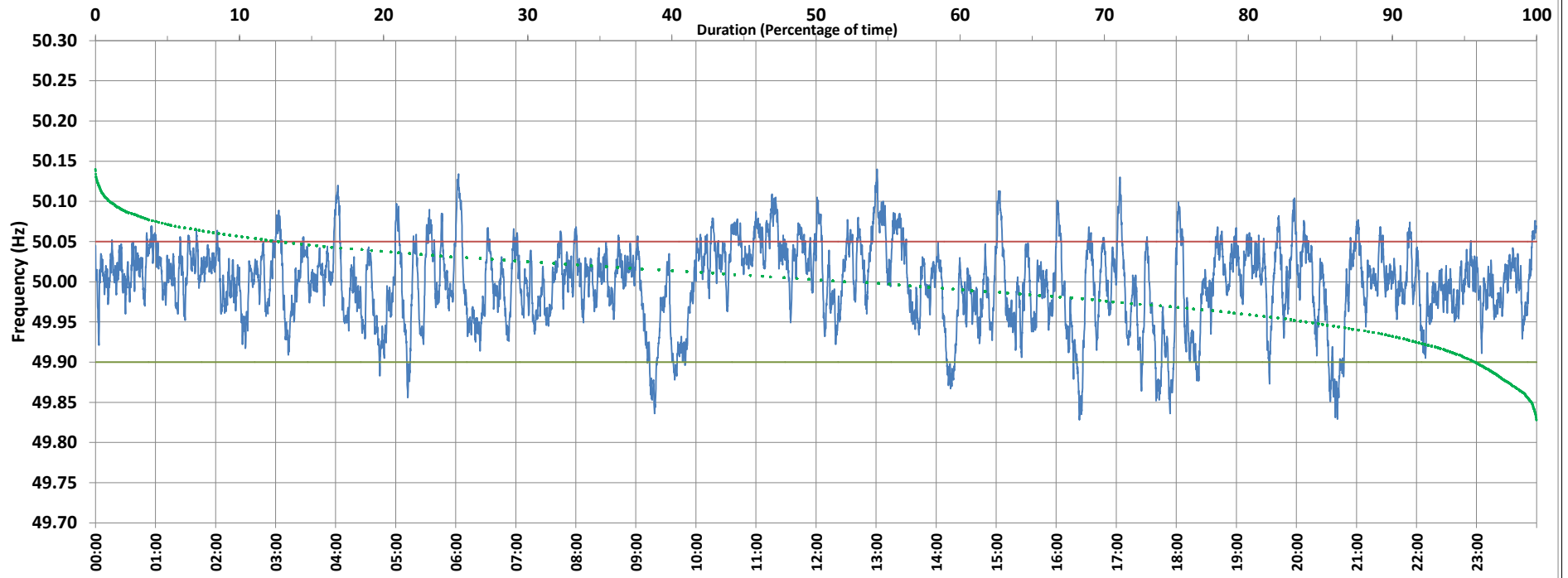


POWER SYSTEM OPERATION CORPORATION LIMITED

NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



Frequency profile for 19-Nov-2020 (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	4.19	25.43	0.00	4.19	42.29	52.47	1.05	83.13	100.00	48.82	12.20	51.97	25.75	12.69	0.00	15.54	71.77	11.35

Average Frequency : 49.998	Frequency Variation Index : 0.0245	Standard Deviation : 0.0495	Mileage: 50.8	FDI: 16.9
----------------------------	------------------------------------	-----------------------------	---------------	-----------

Instantaneous Frequency		
Max	50.140	13:01:00
Min	49.828	16:23:00

15 minute Average Frequency		
Max	50.062	13:15:00
Min	49.883	20:45:00

No. of excursions	
above 50.03 Hz	161
below 49.97 Hz	127
above 50.00 Hz	149
below 50.00 Hz	156

Average time freq per excursion remains	
below 49.97	0:02:53
above 50.03	0:02:18

No. of hours freq outside 49.9-50.05 Hz	4:03:00
-----------------------------------------	---------

Source : 400KV KALWA:Frequency 10 Sec. (8640 samples)