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TABLE II
AVERAGE VOLTAGE DROP PER 150 DATA PACKETS SENT

No of times 150 data packets/ lines ares sent	**API_API_38 m_indoor**		**API_API_38 m_outdoor**		**AT_AT_38 m_indoor**	
	Voltage drop	Data Packet	Voltage drop	Data Packet	Voltage drop	Data Packet
1	0.04	150	0.02	150	0.03	150
2	0.05	150	0.01	150	0.02	150
3	0.03	148	0.01	150	0.02	150
4	0.04	150	0.02	150	0.02	150
5	0.05	150	0.02	150	0,02	150
6	0.03	150	0.03	144	0.02	150
7	0.03	150	0.02	148	0.02	150
8	0.03	150	0.02	143	0.01	150
9	0.02	150	0.02	150	0.02	150
10	0.02	150	0.02	147	0.01	150
11	**0.03**	**150**	**0.02**	**141**	**0.01**	**150**
12	0.02	150	0.03	150	0.02	150
13	0.02	150	0.01	148	0.01	150
14	0.02	150	0.02	145	0.01	150
15	0.02	150	0.02	150	0.02	150
16	0.02	150	0.01	149	0.01	150
17	0.02	150	0.02	150	0.01	150
18	0,01	150	0.01	150	0.01	150
19	0.02	150	0.01	150	0.01	150
20	0.01	150	0.01	150	0.01	150
Average	**0.0265**		**0.075**		**0.016**	

TABLE III
VOLTAGE MEASUREMENT FOR API MODE (143 M)

No of times 150 data packets/ lines ares sent	**Voltage Drop**	**Received Data Packet**	**Temperature (^{o}C)**	**Humidity (%)**	**Soil Moisture (%)**	**Observed Wind Velocity (m/s)**	**Anemometer-Temperature (min, max)**
1	7.85	150	36	68	69	0	32.7, 36.0
2	7.81	150	37	54	69	0	36.0, 38.3
3	7.78	150	36	68	70	0	40.4, 40.6
4	7.74	148	36	57	69	1.5	37.4, 39.5
5	7.72	150	42	49	69	1.6, 1.8	34.7, 37.4
6	7.7	150	43	41	69	1.1	34.6, 39.8
7	7.68	150	43	38	68	1.2	35.1, 39.8
8	7.66	150	34	56	68	0	34.0, 34.2
9	7.64	150	37	58	68	0	34.2, 34.5
10	7.62	149	37	57	69	1.4, 1.6	32.0, 32.2
11	**7.6**	**109**	**35**	**56**	**68**	**1.7, 0.8**	**32.2, 32.8**
12	7.58	150	35	55	68	0	32.8, 32.9
13	7.57	150	35	56	67	0	33.7, 33.6
14	7.55	150	35	55	67	0	33.4, 34.9
15	7.53	150	35	58	68	2.0, 1.1	33.3, 34.3
16	7.51	150	41	50	76	1.6, 1.3	32.6, 32.7
17	7.49	150	36	55	73	2	33.0, 34.1
18	7.48	150	37	57	72	1.5, 1.1	32.9, 34.0
19	7.45	134	35	56	72	2.2, 2.0	35.7, 41.6
20	7.43	131	41	47	70	1.5, 1.7	34.5, 35.9

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