

# RAMP TEST



DATE 10/23/2019

PAGE 1

AMBIENT TEMP. °F

JOB # \_\_\_\_\_

SUBSTATION \_\_\_\_\_

HUMIDITY \_\_\_\_\_ %

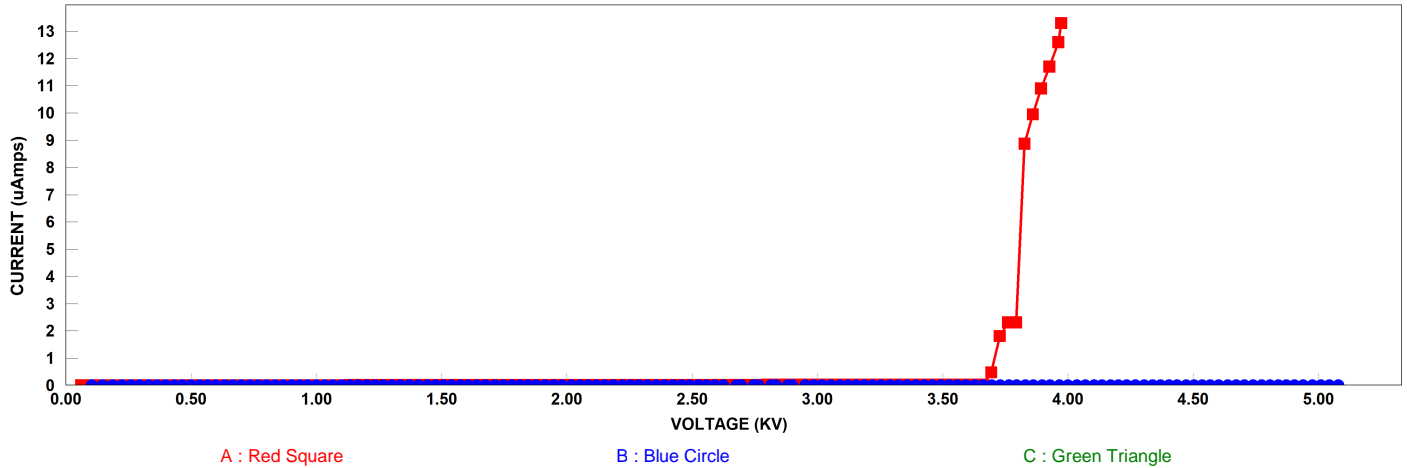
ASSET ID \_\_\_\_\_

POSITION \_\_\_\_\_

TEST STATUS \_\_\_\_\_

EQUIPMENT LOCATION \_\_\_\_\_

## CURRENT VS VOLTAGE CURVE



COMMENTS: \_\_\_\_\_  
DEFICIENCIES: \_\_\_\_\_

A						B						C					
A	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	B	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	C	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)
1	0.02	0.06	Off	0.00	100,000.0	1	0.02	0.10	Off	0.00	100,000.0	1					
2	0.03	0.10	Off	0.00	91,100.00	2	0.05	0.10	Off	0.00	93,600.00	2					
3	0.07	0.11	Off	0.00	66,700.00	3	0.08	0.15	Off	0.00	100,000.0	3					
4	0.08	0.15	Off	0.00	85,500.00	4	0.10	0.19	Off	0.00	100,000.0	4					
5	0.10	0.19	Off	0.00	94,100.00	5	0.12	0.22	Off	0.00	100,000.0	5					
6	0.12	0.22	Off	0.00	94,000.00	6	0.13	0.26	Off	0.00	169,200.0	6					
7	0.13	0.26	Off	0.00	93,200.00	7	0.15	0.29	Off	0.00	170,900.0	7					
8	0.15	0.30	Off	0.00	92,400.00	8	0.17	0.33	Off	0.00	177,100.0	8					
9	0.17	0.33	Off	0.00	93,200.00	9	0.18	0.37	Off	0.00	184,100.0	9					
10	0.18	0.37	Off	0.00	94,200.00	10	0.20	0.40	Off	0.00	193,100.0	10					
11	0.20	0.40	Off	0.00	95,900.00	11	0.22	0.43	Off	0.00	204,000.0	11					
12	0.22	0.43	Off	0.00	97,800.00	12	0.23	0.47	Off	0.00	215,000.0	12					
13	0.23	0.47	Off	0.00	100,000.0	13	0.25	0.50	Off	0.00	226,000.0	13					
14	0.25	0.50	Off	0.00	101,700.0	14	0.27	0.53	Off	0.00	237,000.0	14					
15	0.27	0.53	Off	0.01	104,200.0	15	0.28	0.56	Off	0.00	249,000.0	15					
16	0.28	0.57	Off	0.01	106,200.0	16	0.30	0.60	Off	0.00	260,000.0	16					
17	0.30	0.60	Off	0.01	108,100.0	17	0.32	0.63	Off	0.00	273,000.0	17					
18	0.32	0.63	Off	0.01	110,399.9	18	0.33	0.67	Off	0.00	282,000.0	18					
19	0.33	0.67	Off	0.01	111,600.0	19	0.35	0.70	Off	0.00	292,000.0	19					
20	0.35	0.70	Off	0.01	113,000.0	20	0.37	0.73	Off	0.00	303,000.0	20					

TEST EQUIPMENT USED: \_\_\_\_\_

TESTED BY: \_\_\_\_\_



A						B						C					
A	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	B	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	C	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)
21	0.37	0.73	Off	0.01	114,400.0	21	0.38	0.77	Off	0.00	314,000.0	21					
22	0.38	0.77	Off	0.01	115,500.0	22	0.40	0.80	Off	0.00	321,000.0	22					
23	0.40	0.80	Off	0.01	116,500.0	23	0.42	0.83	Off	0.00	332,000.0	23					
24	0.42	0.83	Off	0.01	117,500.0	24	0.43	0.87	Off	0.00	340,000.0	24					
25	0.43	0.87	Off	0.01	118,100.0	25	0.45	0.90	Off	0.00	351,000.0	25					
26	0.45	0.90	Off	0.01	119,100.0	26	0.47	0.93	Off	0.00	360,000.0	26					
27	0.47	0.93	Off	0.01	120,000.0	27	0.48	0.96	Off	0.00	370,000.0	27					
28	0.48	0.97	Off	0.01	120,800.0	28	0.50	1.00	Off	0.00	379,000.0	28					
29	0.50	1.00	Off	0.01	121,400.0	29	0.52	1.03	Off	0.00	388,000.0	29					
30	0.52	1.03	Off	0.01	121,600.0	30	0.53	1.07	Off	0.00	395,000.0	30					
31	0.53	1.07	Off	0.01	121,800.0	31	0.55	1.10	Off	0.00	403,000.0	31					
32	0.55	1.10	Off	0.01	122,400.0	32	0.57	1.13	Off	0.00	412,000.0	32					
33	0.57	1.13	Off	0.01	122,600.0	33	0.58	1.17	Off	0.00	417,000.0	33					
34	0.58	1.17	Off	0.01	122,700.0	34	0.60	1.20	Off	0.00	426,000.0	34					
35	0.60	1.20	Off	0.01	123,300.0	35	0.62	1.23	Off	0.00	433,000.0	35					
36	0.62	1.23	Off	0.01	123,500.0	36	0.63	1.27	Off	0.00	442,000.0	36					
37	0.63	1.27	Off	0.01	123,800.0	37	0.65	1.30	Off	0.00	448,000.0	37					
38	0.65	1.30	Off	0.01	124,200.0	38	0.67	1.34	Off	0.00	457,000.0	38					
39	0.67	1.34	Off	0.01	124,500.0	39	0.68	1.37	Off	0.00	459,000.0	39					
40	0.68	1.37	Off	0.01	124,600.0	40	0.70	1.41	Off	0.00	467,000.0	40					
41	0.70	1.41	Off	0.01	124,800.0	41	0.72	1.44	Off	0.00	469,000.0	41					
42	0.72	1.44	Off	0.01	124,800.0	42	0.73	1.48	Off	0.00	475,000.0	42					
43	0.73	1.47	Off	0.01	123,800.0	43	0.75	1.51	Off	0.00	481,000.0	43					
44	0.75	1.51	Off	0.01	124,100.0	44	0.77	1.54	Off	0.00	490,000.0	44					
45	0.77	1.54	Off	0.01	124,600.0	45	0.78	1.58	Off	0.00	498,000.0	45					
46	0.78	1.57	Off	0.01	125,100.0	46	0.80	1.61	Off	0.00	503,000.0	46					
47	0.80	1.61	Off	0.01	125,500.0	47	0.82	1.64	Off	0.00	509,000.0	47					
48	0.82	1.64	Off	0.01	125,800.0	48	0.83	1.67	Off	0.00	514,000.0	48					
49	0.83	1.67	Off	0.01	125,800.0	49	0.85	1.71	Off	0.00	519,000.0	49					
50	0.85	1.71	Off	0.01	126,100.0	50	0.87	1.75	Off	0.00	523,000.0	50					
51	0.87	1.75	Off	0.01	126,100.0	51	0.88	1.78	Off	0.00	529,000.0	51					
52	0.88	1.78	Off	0.01	126,300.0	52	0.90	1.81	Off	0.00	534,000.0	52					
53	0.90	1.81	Off	0.01	126,300.0	53	0.92	1.85	Off	0.00	538,000.0	53					
54	0.92	1.85	Off	0.01	126,700.0	54	0.93	1.88	Off	0.00	546,000.0	54					
55	0.93	1.88	Off	0.01	126,900.0	55	0.95	1.91	Off	0.00	552,000.0	55					
56	0.95	1.91	Off	0.01	127,400.0	56	0.97	1.95	Off	0.00	557,000.0	56					
57	0.97	1.95	Off	0.02	127,600.0	57	0.98	1.98	Off	0.00	559,000.0	57					
58	0.98	1.98	Off	0.02	127,700.0	58	1.00	2.02	Off	0.00	562,000.0	58					
59	1.00	2.02	Off	0.02	127,900.0	59	1.02	2.05	Off	0.00	564,000.0	59					
60	1.02	2.05	Off	0.02	128,000.0	60	1.03	2.09	Off	0.00	568,000.0	60					
61	1.03	2.09	Off	0.02	128,200.0	61	1.05	2.12	Off	0.00	574,000.0	61					
62	1.05	2.12	Off	0.02	128,200.0	62	1.07	2.15	Off	0.00	575,999.9	62					
63	1.07	2.15	Off	0.02	128,300.0	63	1.08	2.18	Off	0.00	581,000.0	63					
64	1.08	2.19	Off	0.02	128,500.0	64	1.10	2.22	Off	0.00	588,000.0	64					
65	1.10	2.22	Off	0.02	128,900.0	65	1.12	2.25	Off	0.00	592,000.0	65					
66	1.12	2.26	Off	0.02	129,100.0	66	1.13	2.29	Off	0.00	597,000.0	66					
67	1.13	2.29	Off	0.02	129,300.0	67	1.15	2.32	Off	0.00	600,000.0	67					
68	1.15	2.32	Off	0.02	129,500.0	68	1.17	2.36	Off	0.00	601,000.0	68					
69	1.17	2.36	Off	0.02	129,800.0	69	1.18	2.39	Off	0.00	601,000.0	69					
70	1.18	2.39	Off	0.02	130,000.0	70	1.20	2.42	Off	0.00	605,000.0	70					
71	1.20	2.42	Off	0.02	130,100.0	71	1.22	2.46	Off	0.00	613,000.0	71					
72	1.22	2.46	Off	0.02	130,300.0	72	1.23	2.49	Off	0.00	618,000.0	72					
73	1.23	2.49	Off	0.02	130,300.0	73	1.25	2.53	Off	0.00	622,000.0	73					



A						B						C					
A	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	B	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	C	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)
74	1.25	2.53	Off	0.02	130,500.0	74	1.27	2.56	Off	0.00	626,000.0	74					
75	1.27	2.56	Off	0.02	130,700.0	75	1.28	2.59	Off	0.00	629,000.0	75					
76	1.28	2.59	Off	0.02	130,800.0	76	1.30	2.63	Off	0.00	633,000.0	76					
77	1.30	2.63	Off	0.02	131,100.0	77	1.32	2.68	Off	0.00	639,000.0	77					
78	1.32	2.66	Off	0.02	131,400.0	78	1.33	2.70	Off	0.00	638,000.0	78					
79	1.33	2.70	Off	0.02	131,600.0	79	1.35	2.75	Off	0.00	645,000.0	79					
80	1.35	2.73	Off	0.02	131,700.0	80	1.37	2.77	Off	0.00	645,000.0	80					
81	1.37	2.77	Off	0.02	131,900.0	81	1.38	2.82	Off	0.00	651,000.0	81					
82	1.38	2.80	Off	0.02	131,900.0	82	1.40	2.84	Off	0.00	652,000.0	82					
83	1.40	2.84	Off	0.02	132,200.0	83	1.42	2.88	Off	0.00	660,000.0	83					
84	1.42	2.88	Off	0.02	132,900.0	84	1.43	2.90	Off	0.00	661,000.0	84					
85	1.43	2.92	Off	0.02	133,400.0	85	1.45	2.95	Off	0.00	666,000.0	85					
86	1.45	2.95	Off	0.02	133,600.0	86	1.47	2.99	Off	0.00	670,000.0	86					
87	1.47	2.99	Off	0.02	133,600.0	87	1.48	3.02	Off	0.00	669,000.0	87					
88	1.48	3.02	Off	0.02	133,700.0	88	1.50	3.05	Off	0.00	670,000.0	88					
89	1.50	3.05	Off	0.02	133,600.0	89	1.52	3.09	Off	0.00	672,000.0	89					
90	1.52	3.09	Off	0.02	133,600.0	90	1.53	3.12	Off	0.00	674,000.0	90					
91	1.53	3.12	Off	0.02	133,600.0	91	1.55	3.16	Off	0.00	678,000.0	91					
92	1.55	3.16	Off	0.02	133,600.0	92	1.57	3.19	Off	0.00	682,000.0	92					
93	1.57	3.19	Off	0.02	133,800.0	93	1.58	3.22	Off	0.00	686,000.0	93					
94	1.58	3.22	Off	0.02	134,000.0	94	1.60	3.26	Off	0.00	690,000.0	94					
95	1.60	3.26	Off	0.02	134,300.0	95	1.62	3.29	Off	0.00	693,000.0	95					
96	1.62	3.29	Off	0.02	134,500.0	96	1.63	3.32	Off	0.00	692,000.0	96					
97	1.63	3.32	Off	0.02	134,600.0	97	1.65	3.36	Off	0.00	691,000.0	97					
98	1.65	3.36	Off	0.02	134,600.0	98	1.67	3.39	Off	0.00	691,000.0	98					
99	1.67	3.39	Off	0.03	134,700.0	99	1.68	3.43	Off	0.00	688,000.0	99					
100	1.68	3.43	Off	0.03	134,500.0	100	1.70	3.46	Off	0.01	690,000.0	100					
101	1.70	3.46	Off	0.03	134,500.0	101	1.72	3.49	Off	0.01	692,000.0	101					
102	1.72	3.49	Off	0.03	134,500.0	102	1.73	3.53	Off	0.01	693,000.0	102					
103	1.73	3.53	Off	0.03	134,600.0	103	1.75	3.56	Off	0.01	695,000.0	103					
104	1.75	3.56	Off	0.03	134,800.0	104	1.77	3.59	Off	0.01	699,000.0	104					
105	1.77	3.59	Off	0.03	135,000.0	105	1.78	3.63	Off	0.01	700,000.0	105					
106	1.78	3.63	Off	0.03	135,100.0	106	1.80	3.66	Off	0.01	701,000.0	106					
107	1.80	3.66	Off	0.03	135,000.0	107	1.82	3.70	Off	0.01	700,000.0	107					
108	1.82	3.69	Off	0.48	7,680.00	108	1.83	3.73	Off	0.01	699,000.0	108					
109	1.83	3.73	Off	1.81	2,060.00	109	1.85	3.77	Off	0.01	698,000.0	109					
110	1.85	3.76	Off	2.31	1,630.00	110	1.87	3.80	Off	0.01	699,000.0	110					
111	1.87	3.79	Off	2.31	1,640.00	111	1.88	3.83	Off	0.01	702,000.0	111					
112	1.88	3.83	Off	8.87	431.00	112	1.90	3.86	Off	0.01	702,000.0	112					
113	1.90	3.86	Off	9.95	388.00	113	1.92	3.90	Off	0.01	702,000.0	113					
114	1.92	3.89	Off	10.90	359.00	114	1.93	3.93	Off	0.01	704,000.0	114					
115	1.93	3.93	Off	11.70	334.00	115	1.95	3.97	Off	0.01	699,000.0	115					
116	1.95	3.96	Off	12.60	313.00	116	1.97	4.00	Off	0.01	698,000.0	116					
117	2.50	3.97	Off	13.30	299.00	117	1.98	4.04	Off	0.01	696,000.0	117					
118			Off			118	2.00	4.07	Off	0.01	698,000.0	118					
119			Off			119	2.02	4.11	Off	0.01	695,000.0	119					
120			Off			120	2.03	4.14	Off	0.01	697,000.0	120					
121			Off			121	2.05	4.17	Off	0.01	694,000.0	121					
122			Off			122	2.07	4.20	Off	0.01	695,000.0	122					
123			Off			123	2.08	4.24	Off	0.01	668,000.0	123					
124			Off			124	2.10	4.27	Off	0.01	660,000.0	124					
125			Off			125	2.12	4.30	Off	0.01	656,000.0	125					
126			Off			126	2.13	4.34	Off	0.01	659,000.0	126					



A						B						C					
A	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	B	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)	C	TIME (minutes)	Volts (kV)	FILTER SETTING	CURRENT uA	RESISTANCE (megohms)
127			Off			127	2.15	4.37	Off	0.01	660,000.0	127					
128			Off			128	2.17	4.40	Off	0.01	662,000.0	128					
129			Off			129	2.18	4.44	Off	0.01	662,000.0	129					
130			Off			130	2.20	4.47	Off	0.01	663,000.0	130					
131			Off			131	2.22	4.50	Off	0.01	663,000.0	131					
132			Off			132	2.23	4.54	Off	0.01	667,000.0	132					
133			Off			133	2.25	4.57	Off	0.01	668,000.0	133					
134			Off			134	2.27	4.60	Off	0.01	668,000.0	134					
135			Off			135	2.28	4.64	Off	0.01	669,000.0	135					
136			Off			136	2.30	4.67	Off	0.01	668,000.0	136					
137			Off			137	2.32	4.70	Off	0.01	665,000.0	137					
138			Off			138	2.33	4.74	Off	0.01	664,000.0	138					
139			Off			139	2.35	4.77	Off	0.01	662,000.0	139					
140			Off			140	2.37	4.81	Off	0.01	661,000.0	140					
141			Off			141	2.38	4.84	Off	0.01	660,000.0	141					
142			Off			142	2.40	4.87	Off	0.01	661,000.0	142					
143			Off			143	2.42	4.91	Off	0.01	657,000.0	143					
144			Off			144	2.43	4.94	Off	0.01	655,000.0	144					
145			Off			145	2.45	4.98	Off	0.01	654,000.0	145					
146			Off			146	2.47	5.01	Off	0.01	653,000.0	146					
147			Off			147	2.48	5.04	Off	0.01	642,000.0	147					
148			Off			148	2.50	5.08	Off	0.01	634,000.0	148					

Filter Setting Codes: