

DAC MEASUREMENT REPORT

Date
Inspector
Location
Cable from
CableSection
Phase to Ground Voltage

Wednesday, March 22, 2017 12:14 PM
AFIT / MAMAN / SUPARMAN / RADEN
P PARANG TRITIS
CP 242 to BT 220
Year 0
11.50 kV (RMS) Length 651 m

Cable from CP 242 to BT 220		
CP 242	MERLIN GERIN	
BT 220		
L1,L2,L3:		
0 m	Termination	
	Cablepart 35 m	XLPE
35 m	Joint	1
	Cablepart 53 m	XLPE
88 m	Joint	2
	Cablepart 65 m	XLPE
153 m	Joint	3
	Cablepart 48 m	XLPE
201 m	Joint	4
	Cablepart 233 m	XLPE
434 m	Joint	5
	Cablepart 53 m	XLPE
487 m	Joint	6
	Cablepart 58 m	XLPE
545 m	Joint	7
	Cablepart 106 m	XLPE
651 m	Termination	

KABEL TEST 20m. XLPE

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	L1	L2	L3
GroundNoise [pC]	234	246	224
PDIV [kV RMS]	11.5	17.3	17.3
PDEV [kV RMS]	8.2	8.2	8.1
PDmax [pC] (PDIV)	558	2093	1027
PDlevel [pC] (PDIV)	361	1269	617
PDmax [pC] (Uo)	558	416	457
PDlevel [pC] (Uo)	361	348	367
PDmax [pC] (1.7*Uo)	2385	5081	1409
PDlevel [pC] (1.7*Uo)	1629	2044	840
PDmax [pC] (2*Uo)	-	-	-
PDlevel [pC] (2*Uo)	-	-	-
Capacitance [uF]	0.173	0.173	0.174
Frequency [Hz]	442.82	443.47	441.51
Diel. Losses	1.2 %	1.2 %	1.2 %

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	PDIV (kV)	PDlevel at PDIV (pC)		PDlevel U<U ₀ (pC)		PDoccurrence	PDlevel U ₀ <U<2U ₀ (pC)		PDoccurrence
		Max	Avg	Max	Avg	U<U ₀	Max	Avg	U ₀ <U<2U ₀
Whole Cable	8.1			357	199	2	2747	488	2
Termination						0			0
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Joint	8.1			159	123	1	157	150	1
Cablepart						0			0
Joint						0			0
Cablepart	11.3			146	142	1	572	339	1
Joint	27.6					0	2747	1126	2
Cablepart	8.1			357	217	2	287	216	1
Joint						0			0
Cablepart						0			0
Joint						0			0
Cablepart	8.1			287	256	1	257	246	1
Joint						0			0
Cablepart	8.1			306	265	1	288	277	2
Termination						0			0
L1:	8.1			306	203	3	288	228	2
Termination						0			0
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Joint	8.1			142	125	1			0
Cablepart						0			0
Joint						0			0
Cablepart	11.3			146	142	1	234	187	1
Joint						0			0
Cablepart	8.1			239	203	2	249	225	2
Joint						0			0
Cablepart						0			0
Joint						0			0
Cablepart	8.1			287	258	1			0
Joint						0			0
Cablepart	8.1			306	265	1	288	277	2
Termination						0			0
L2:	11.3			250	158	1	2747	767	2
Termination						0			0
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Joint	11.3			159	128	1	157	157	1
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Joint	27.6					0	2747	1126	2
Cablepart	24.3	223	194			0	223	194	1
Joint						0			0
Cablepart						0			0
Joint						0			0
Cablepart	16.2			250	250	1	257	246	1
Joint						0			0
Cablepart						0			0
Termination						0			0
L3:	8.1			357	205	2	572	268	2
Termination						0			0
Cablepart						0			0

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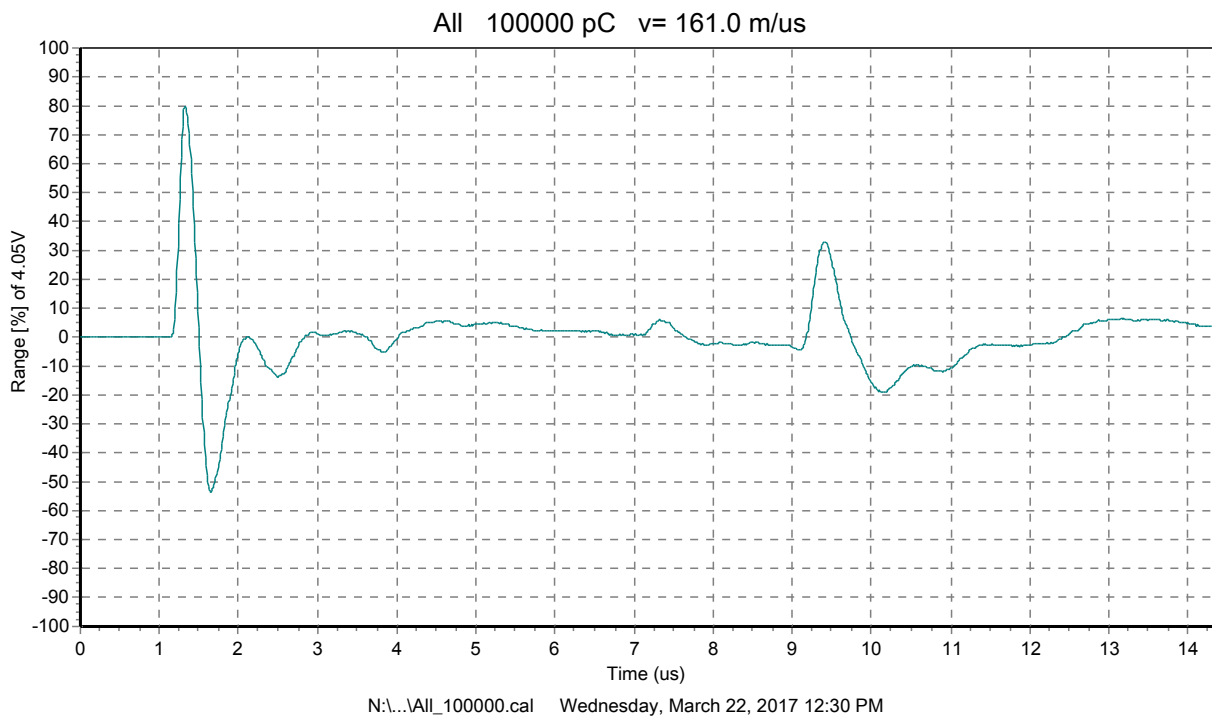
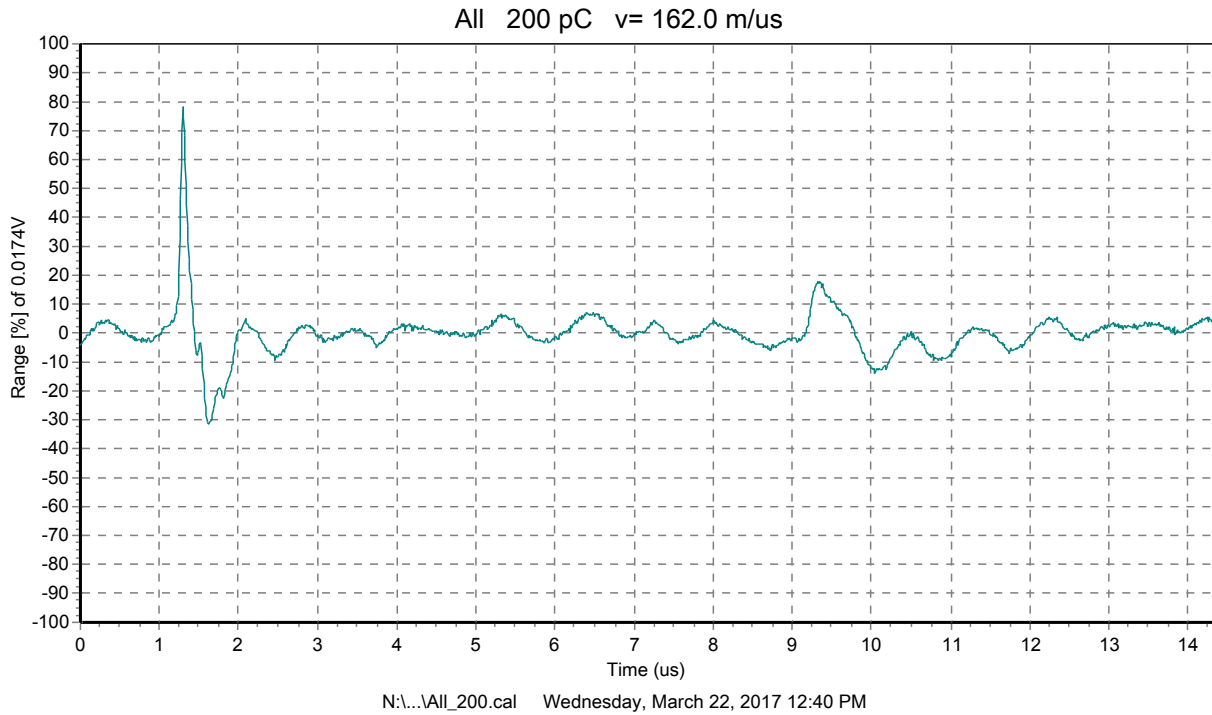
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Cablepart						0			0
Joint	8.1			123	112	1	152	147	1
Cablepart						0			0
Joint						0			0
Cablepart	11.3			146	146	1	572	440	2
Joint						0			0
Cablepart	8.1			357	227	2	287	223	1
Joint						0			0
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Joint						0			0
Cablepart						0			0
Termination						0			0

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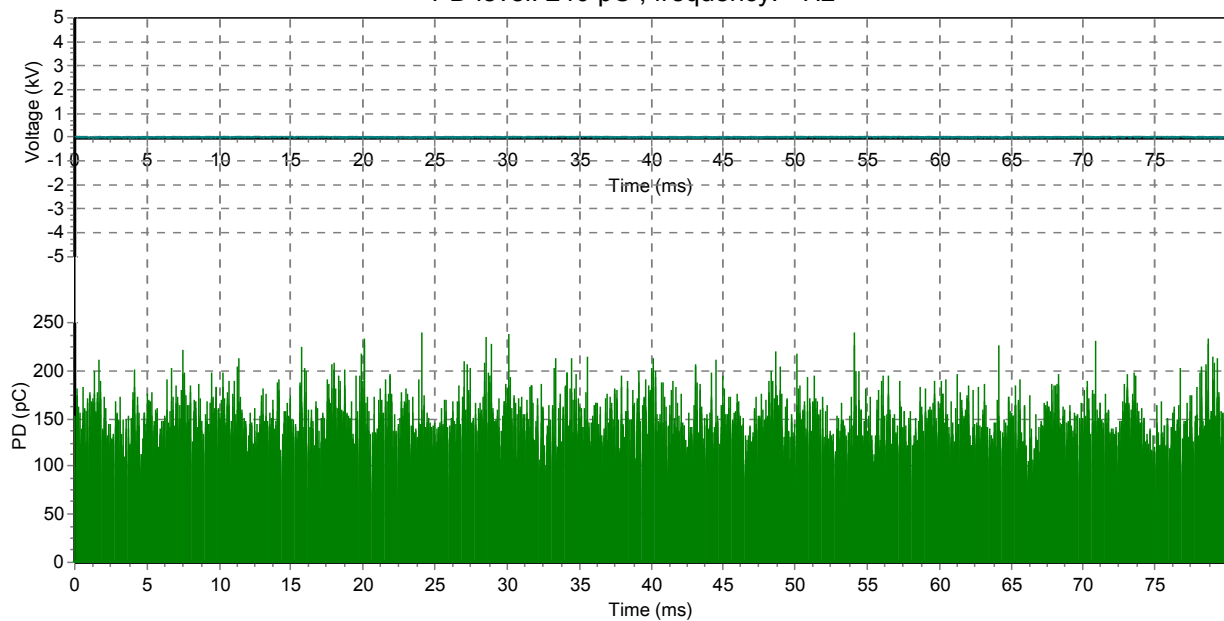
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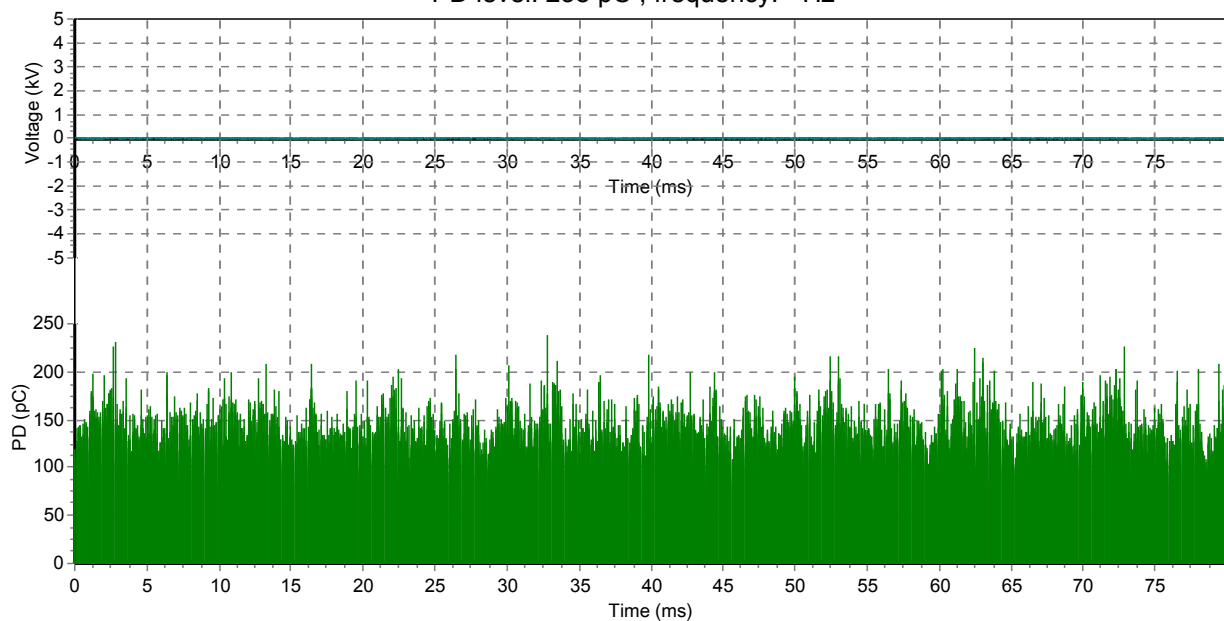
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L1 @0.0 kV Test 1
 PD level: 240 pC ; frequency: - Hz



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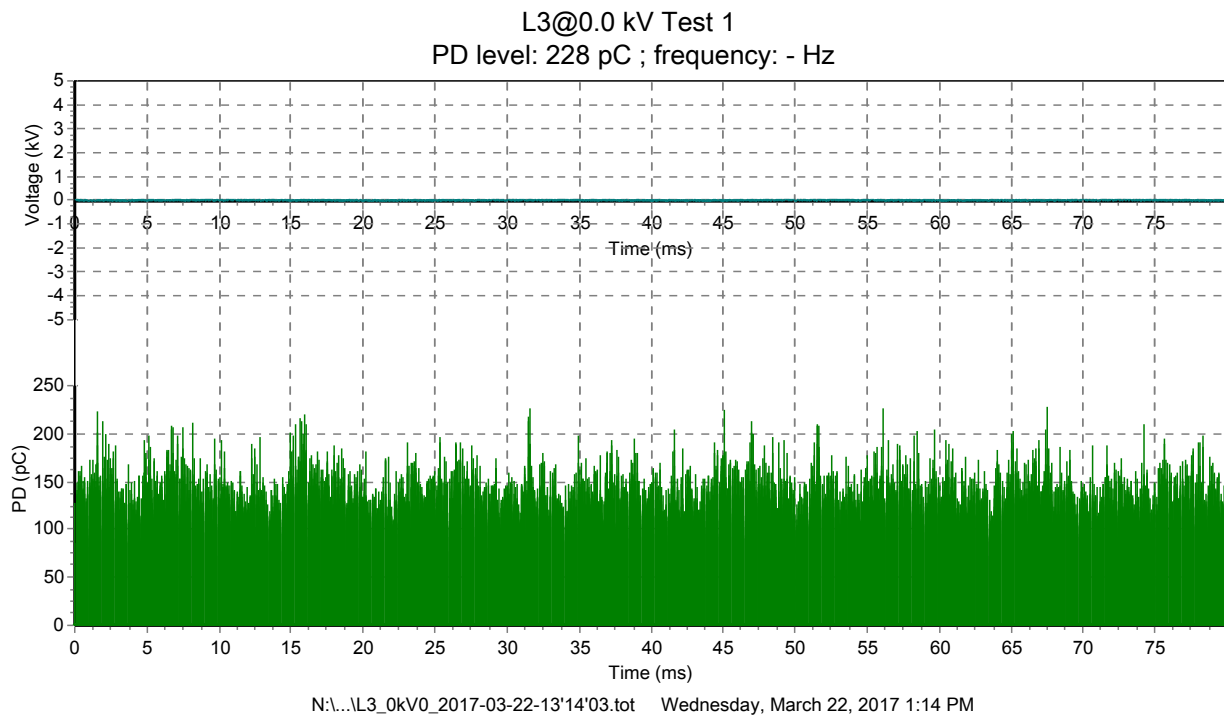
L2@0.0 kV Test 1
 PD level: 238 pC ; frequency: - Hz



N:\...L2_0kV0_2017-03-22-13'01'01.tot Wednesday, March 22, 2017 1:01 PM

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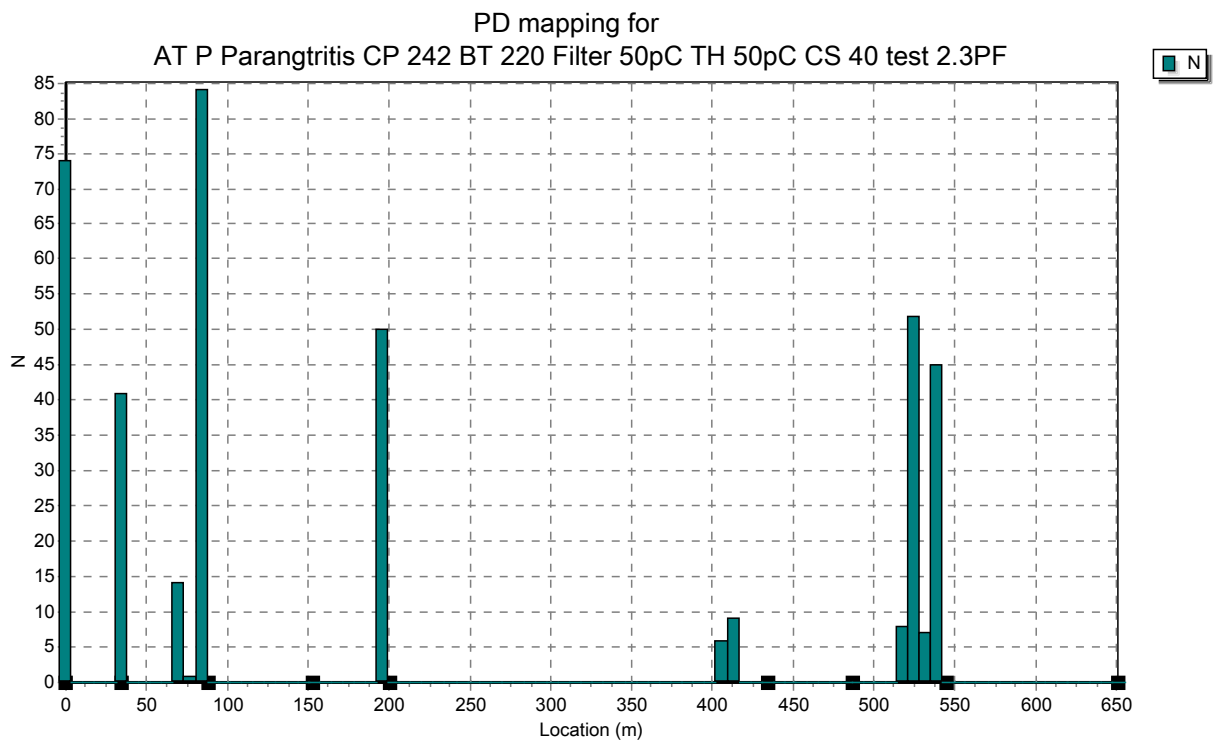
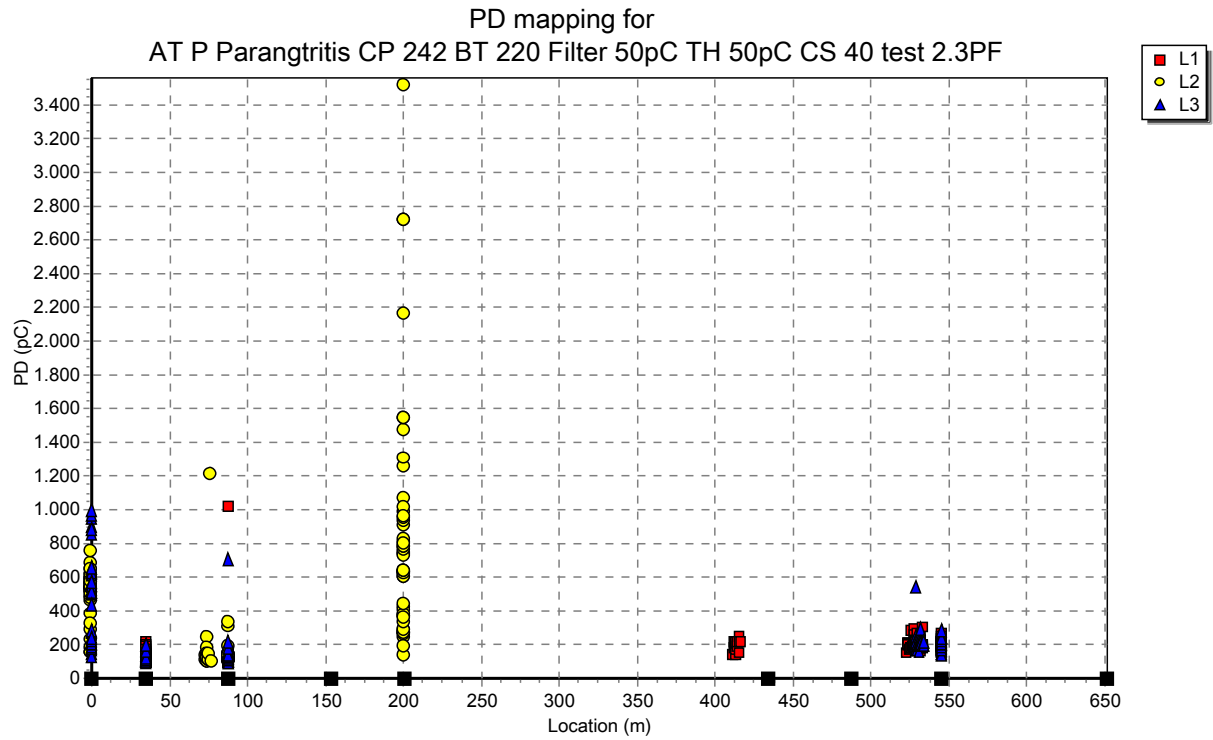
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