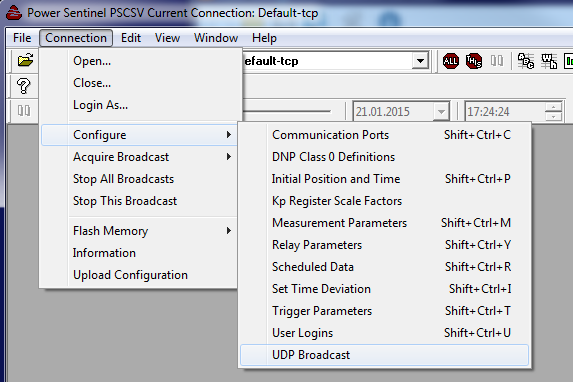
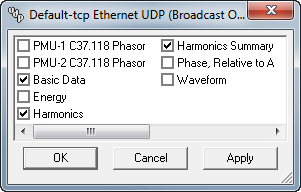
**arbiter1133Areceiver.py** is used to get UDP Broadcast data and store it to CSV files.

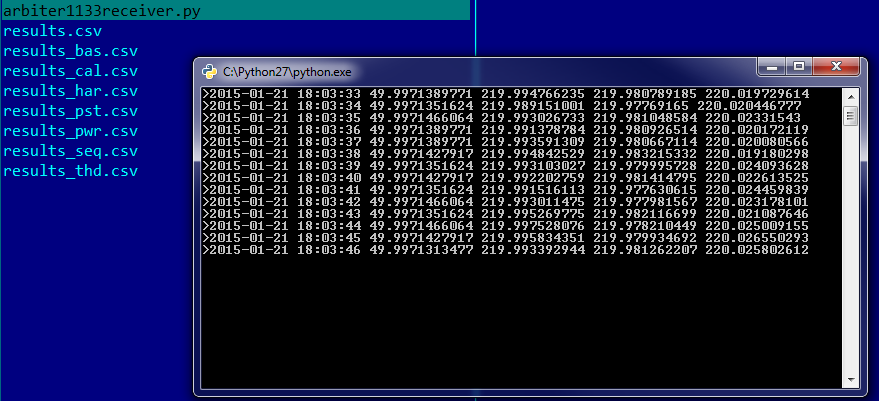
Tested in Python 2.7.9.

To use this script we need to enable UDP broadcast in Arbiter 1133A. It is not turned on by default on Arbiter 1133A power up. To do this use Power Sentinel PSCSV software. Login into Arbiter as admin (default credentials are user: **admin** pass: **801n60**). Then configure UDP broadcast as shown on pictures below





During the script work in the main window timestamp , frequency and voltage measurements are displayed.



Script creates 7 csv files on each run (rewrites them if there were any before)

**results.csv**

Time, f, Ua, Uab, Ia, KUa, Phi\_Uab, Phi\_Iab, Phi\_UIa, Pa, Qa, Sa, Ub, Ubc, Ib, KUb, Phi\_Ubc, Phi\_Ibc, Phi\_UIb, Pb, Qb, Sb, Uc, Uca, Ic, KUc, Phi\_Uca, Phi\_Ica, Phi\_UIc, Pa, Qa, Sa, K2U, K0U, K2I, K0I, P, Q, S

**results\_bas.csv**

Time, f, Ua, Ub, Uc, Ia, Ib, Ic, PhiUIa, PhiUIb, PhiUIc, PhiUab, PhiUbc, PhiUca, PhiIab, PhiIbc, PhiIca

**results\_har.csv**

Time,Ua(1),Ua(2),Ua(3),Ua(4),Ua(5),Ua(6),Ua(7),Ua(8),Ua(9),Ua(10),Ua(11),Ua(12),Ua(13),Ua(14),Ua(15),Ua(16),Ua(17),Ua(18),Ua(19),Ua(20),Ua(21),Ua(22),Ua(23),Ua(24),Ua(25),Ua(26),Ua(27),Ua(28),Ua(29),Ua(30),Ua(31),Ua(32),Ua(33),Ua(34),Ua(35),Ua(36),Ua(37),Ua(38),Ua(39),Ua(40),Ua(41),Ua(42),Ua(43),Ua(44),Ua(45),Ua(46),Ua(47),Ua(48),Ua(49),Ua(50),Ub(1),Ub(2),Ub(3),Ub(4),Ub(5),Ub(6),Ub(7),Ub(8),Ub(9),Ub(10),Ub(11),Ub(12),Ub(13),Ub(14),Ub(15),Ub(16),Ub(17),Ub(18),Ub(19),Ub(20),Ub(21),Ub(22),Ub(23),Ub(24),Ub(25),Ub(26),Ub(27),Ub(28),Ub(29),Ub(30),Ub(31),Ub(32),Ub(33),Ub(34),Ub(35),Ub(36),Ub(37),Ub(38),Ub(39),Ub(40),Ub(41),Ub(42),Ub(43),Ub(44),Ub(45),Ub(46),Ub(47),Ub(48),Ub(49),Ub(50),Uc(1),Uc(2),Uc(3),Uc(4),Uc(5),Uc(6),Uc(7),Uc(8),Uc(9),Uc(10),Uc(11),Uc(12),Uc(13),Uc(14),Uc(15),Uc(16),Uc(17),Uc(18),Uc(19),Uc(20),Uc(21),Uc(22),Uc(23),Uc(24),Uc(25),Uc(26),Uc(27),Uc(28),Uc(29),Uc(30),Uc(31),Uc(32),Uc(33),Uc(34),Uc(35),Uc(36),Uc(37),Uc(38),Uc(39),Uc(40),Uc(41),Uc(42),Uc(43),Uc(44),Uc(45),Uc(46),Uc(47),Uc(48),Uc(49),Uc(50),Ia(1),Ia(2),Ia(3),Ia(4),Ia(5),Ia(6),Ia(7),Ia(8),Ia(9),Ia(10),Ia(11),Ia(12),Ia(13),Ia(14),Ia(15),Ia(16),Ia(17),Ia(18),Ia(19),Ia(20),Ia(21),Ia(22),Ia(23),Ia(24),Ia(25),Ia(26),Ia(27),Ia(28),Ia(29),Ia(30),Ia(31),Ia(32),Ia(33),Ia(34),Ia(35),Ia(36),Ia(37),Ia(38),Ia(39),Ia(40),Ia(41),Ia(42),Ia(43),Ia(44),Ia(45),Ia(46),Ia(47),Ia(48),Ia(49),Ia(50),Ib(1),Ib(2),Ib(3),Ib(4),Ib(5),Ib(6),Ib(7),Ib(8),Ib(9),Ib(10),Ib(11),Ib(12),Ib(13),Ib(14),Ib(15),Ib(16),Ib(17),Ib(18),Ib(19),Ib(20),Ib(21),Ib(22),Ib(23),Ib(24),Ib(25),Ib(26),Ib(27),Ib(28),Ib(29),Ib(30),Ib(31),Ib(32),Ib(33),Ib(34),Ib(35),Ib(36),Ib(37),Ib(38),Ib(39),Ib(40),Ib(41),Ib(42),Ib(43),Ib(44),Ib(45),Ib(46),Ib(47),Ib(48),Ib(49),Ib(50),Ic(1),Ic(2),Ic(3),Ic(4),Ic(5),Ic(6),Ic(7),Ic(8),Ic(9),Ic(10),Ic(11),Ic(12),Ic(13),Ic(14),Ic(15),Ic(16),Ic(17),Ic(18),Ic(19),Ic(20),Ic(21),Ic(22),Ic(23),Ic(24),Ic(25),Ic(26),Ic(27),Ic(28),Ic(29),Ic(30),Ic(31),Ic(32),Ic(33),Ic(34),Ic(35),Ic(36),Ic(37),Ic(38),Ic(39),Ic(40),Ic(41),Ic(42),Ic(43),Ic(44),Ic(45),Ic(46),Ic(47),Ic(48),Ic(49),Ic(50)

**results\_pst.csv**

Time, PstUa, PstUb, PstUc, PstIa, PstIb, PstIc

**results\_pwr.csv**

Time, PA, QA, SA, PFA, QQA, PB, QB, SB, PFB, QQB, PC, QC, SC, PFC, QQC, PTOT, QTOT, STOT, PFTOT, QQTOT

**results\_seq.csv**

Time, U0MAG, U1MAG,U2MAG, I0MAG,I1MAG,I2MAG, PhiUI0, PhiUI1, PhiUI2

**results\_thd.csv**

Time, ThdUa, ThdUb, ThdUc, ThdIa, ThdIb, ThdIc