**select** rk, MEASUREMENT\_POINT\_ID, SAMPLE\_TIME\_F, customer\_name,

customer\_code, val1, val2, val3, val4, val5, val6, val7, val8, val9, val10, val11, val12, val13, val14, val15,

val16, tu\_ngoai, ti\_ngoai, ti\_trong, tu\_trong, hsn\_ngoai, serial,meterTypeId,mpc,

METER\_TIME,p1,p2,p3,p4,p5,p6,p7,p8,val20,val21,val22,val23,val24,val25,val26,val27,val28,val29,val30,val31,val32

**from** ( **SELECT** MP.MEASUREMENT\_POINT\_ID, **TO\_CHAR**(D.SAMPLE\_TIME, 'DD/MM/YYYY HH24:MI:SS') SAMPLE\_TIME\_F,

C.CUSTOMER\_NAME, C.CUSTOMER\_CODE, D.ACTIVE\_ENERGY\_TOTAL\_POS val1, D.ACTIVE\_ENERGY\_T1\_POS val2,

D.ACTIVE\_ENERGY\_T2\_POS val3, D.ACTIVE\_ENERGY\_T3\_POS val4, D.ACTIVE\_ENERGY\_TOTAL\_NEG val5,

D.ACTIVE\_ENERGY\_T1\_NEG val6, D.ACTIVE\_ENERGY\_T2\_NEG val7, D.ACTIVE\_ENERGY\_T3\_NEG val8,

D.REACTIVE\_ENERGY\_TOTAL\_POS val9, **NULL** val10, **NULL** val11, **NULL** val12,

D.REACTIVE\_ENERGY\_TOTAL\_NEG val13, **NULL** val14, **NULL** val15, **NULL** val16,

MP.TU\_RATIO tu\_ngoai, MP.TI\_RATIO ti\_ngoai, MPM.TI\_RATIO ti\_trong, MPM.TU\_RATIO tu\_trong,

MP.MULTIPLIER hsn\_ngoai, M.SERIAL , M.METER\_TYPE\_ID meterTypeId, MP.MEASUREMENT\_POINT\_CODE mpc,

**TO\_CHAR**(D.METER\_TIME, 'DD/MM/YYYY HH24:MI:SS') METER\_TIME, D.P\_MAX\_DEMAND\_T1\_POS p1, D.P\_MAX\_DEMAND\_T2\_POS p2,

D.P\_MAX\_DEMAND\_T3\_POS p3, D.P\_MAX\_DEMAND\_TOTAL\_POS p4, **TO\_CHAR**(D.P\_MAX\_DEMAND\_T1\_POS\_DATE, 'DD/MM/YYYY HH24:MI:SS') p5,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_T2\_POS\_DATE, 'DD/MM/YYYY HH24:MI:SS') p6, **TO\_CHAR**(D.P\_MAX\_DEMAND\_T3\_POS\_DATE, 'DD/MM/YYYY HH24:MI:SS') p7,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_TOTAL\_POS\_DATE, 'DD/MM/YYYY HH24:MI:SS') p8, D.REACTIVE\_ENERGY\_Q1 val20, D.REACTIVE\_ENERGY\_Q2 val21,

D.REACTIVE\_ENERGY\_Q3 val22, D.REACTIVE\_ENERGY\_Q4 val23, D.P\_MAX\_DEMAND\_T1\_NEG val24, D.P\_MAX\_DEMAND\_T2\_NEG val25,

D.P\_MAX\_DEMAND\_T3\_NEG val26, D.P\_MAX\_DEMAND\_TOTAL\_NEG val27,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_T1\_NEG\_DATE, 'DD/MM/YYYY HH24:MI:SS') val28,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_T2\_NEG\_DATE, 'DD/MM/YYYY HH24:MI:SS') val29,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_T3\_NEG\_DATE, 'DD/MM/YYYY HH24:MI:SS') val30,

**TO\_CHAR**(D.P\_MAX\_DEMAND\_TOTAL\_NEG\_DATE, 'DD/MM/YYYY HH24:MI:SS') val31,

MPM.end\_date val32, D.SAMPLE\_TIME SAMPLE\_TIME,

rank() over (**partition** **by** MPM.MEASUREMENT\_POINT\_ID **order** **by** D.SAMPLE\_TIME desc) rk

**FROM** D\_INSTANTANEOUS D **JOIN** MEASUREMENT\_POINT\_METER MPM

**ON** D.MEASUREMENT\_POINT\_METER\_ID = MPM.MEASUREMENT\_POINT\_METER\_ID **JOIN** MEASUREMENT\_POINTS MP

**ON** MP.MEASUREMENT\_POINT\_ID = MPM.MEASUREMENT\_POINT\_ID **JOIN** METERS M **ON** M.METER\_ID = MPM.METER\_ID

**JOIN** CUSTOMERS C **ON** C.CUSTOMER\_ID = MP.CUSTOMER\_ID **WHERE** mp.org\_id **in** (805,834,835,838,845)

**AND** MPM.MEASUREMENT\_POINT\_ID **in** ('6990','14180')

**AND** (**trunc**(D.SAMPLE\_TIME, 'MI') = **trunc**(**TO\_DATE**('2015/03/02 00:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'MI')

**or** **trunc**(D.SAMPLE\_TIME, 'MI') = **trunc**(**TO\_DATE**('2015/03/04 00:00:00', 'yyyy/mm/dd hh24:mi:ss'), 'MI'))

**ORDER** **BY** D.SAMPLE\_TIME **ASC** )

**order** **by** customer\_code