

1.Client PC Setup

Connect Client PC and Baseband5216/6630 with LMT port

> Configure the Client PC's IP address as follows;

- IP Address : 169.254.2.1

- Subnet mask : 255.255.0.0

- Default gateway : 169.254.2.2

> Stop the Symantec Management Client Service if you use

Ericsson PC

(Services -> Symantec Management Client

and Press stop) and set

"Out of Ericsson premises"

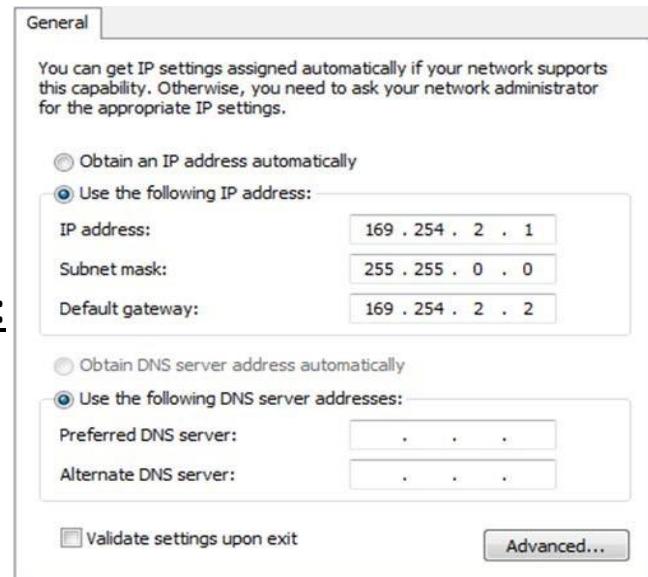
Login Cygwin by using command:

moshell 169.254.2.2

Lt all

User:-rbs

PWD:-rbs



- To Login

User name- rbs

P.W- rbs

- To check cell status

St cell

```
LPJWR03> st cell
210321-09:48:08 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
Proxy Adm State Op. State MO
=====
59 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=FPJWR03A
194 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=FPJWR03B
371 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=FPJWR03C
521 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=PJWR03K
753 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=PJWR03L
983 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,EUtranCellFDD=PJWR03M
=====
Total: 6 M0s
LPJWR03>
```

- To check Current Alarms

Alt

```
LPJWR03> alt
210321-09:49:13 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
Collecting Alarms...
=====
Date & Time (UTC) S Specific Problem MO (Cause/AdditionalInfo)
=====
2021-03-21 04:12:57 C External Alarm FieldReplaceableUnit=SUP-1,AlarmPort=1 (DOOR OPEN)
2021-03-21 04:13:34 m Resource Allocation Failure Service Degraded SectorCarrier=3 (Insufficient RF power in radio equipment)
2021-03-21 04:13:50 m Service Degraded EUtranCellFDD=PJWR03M (PerformanceDegraded)
>>> Total: 3 Alarms (1 Critical, 0 Major)
LPJWR03>
```

- To check RRU Status

st rru

```
LPJWR03> st rru
210321-09:49:52 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
Proxy Adm State Op. State MO
=====
1961 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-1
1972 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-2
1983 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-3
1994 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-31
2005 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-32
2016 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=RRU-33
=====
Total: 6 M0s
LPJWR03>
```

- To check MME status

St mme

```
LPJWR03> st mme
210321-09:50:52 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
Proxy Adm State Op. State MO
=====
1823 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,TermPointToMme=MME_HP_1
1824 1 (UNLOCKED) 1 (ENABLED) ENodeBFunction=1,TermPointToMme=MME_HP_2
=====
Total: 2 MOs
LPJWR03> [ ] CPU
```

- To check RRU product detail.

Hget rru pro

```
LPJWR03> hget rru pro
210321-09:51:22 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
MO productName productNumber productRevision productionDate serialNumber
=====
FieldReplaceableUnit=RRU-1 RRUS 12 B3 KRC 161 282/2 R1J 20141128 CA72216115
FieldReplaceableUnit=RRU-2 RRUS 12 B3 KRC 161 282/2 R1K 20141209 D820238171
FieldReplaceableUnit=RRU-3 RRUS 12 B3 KRC 161 282/2 R1K 20141218 D820298996
FieldReplaceableUnit=RRU-31 Radio 2219 B0A KRC 161 625/1 R1E 20190129 CN32779768
FieldReplaceableUnit=RRU-32 Radio 2219 B0A KRC 161 625/1 R1E 20190129 CN32779844
FieldReplaceableUnit=RRU-33 Radio 2219 B0A KRC 161 625/1 R1E 20190129 CN32779805
=====
Total: 6 MOs
```

- To check current software version

Cvcu

```
LPJWR03> cvcu
210321-09:52:33 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
210321-09:52 BackupName SwVersion
=====
LastCreatedBackup: preipmig_20mar CXP9024418/15_R7M38
LastRestoredBackup: preipmig_20mar CXP9024418/15_R7M38
Current SwVersion: CXP9024418/15_R7M38 (20.Q2)
BrmHouseKeeping: ENABLED (max: 20 backups)
BrmFailSafe: IDLE
RestoreEscalationList: s[3] = preipmig_20mar Final_backup_for_BASEBAND_CXP9024418/15_R7M38_20210219T183524+0000 Rollback_backup_BASEBAND_CXP9024418/15_R7F45_20210219T181830+0000
=====
LPJWR03> [ ] CPU 0% Memory 7%
```

- To check vswr and serial no of used bbu and rru

Cabx

```
BOARD LNH PORT T S OpMode AutoNeg MacAddress VlanIds LOS BER
=====
DUS5201 000100 TN_A E 1 1G FULL_SLAVE true 98:C5:D8:E4:48:7E 742,786,942,1142,2327
DUS5201 000100 TN_B E 0 1G FULL true 98:C5:D8:E4:48:7F 831,1031,1231
=====
FRU LNH BOARD RF BP TX (W/dBm) VSWR (RL) RX (dBm) UEs/gUEs Sector/AntennaGroup/Cells (State:CellIDs:PCIs)
=====
RRU-1 BXP_2050 RRUS12B3 A 11 21.7 (43.4) 1.16 (22.6) -96.2 22/- SE=S1 AG=1 GT=1/G1800-3 GT=1/G1800-4 FDD=PJWR03K (1, 1, 1:1:222)
RRU-1 BXP_2050 RRUS12B3 B 11 36.7 (45.6) 1.13 (24.2) -97.1 22/- SE=S1 AG=1 GT=1/G1800-3 GT=1/G1800-4 FDD=PJWR03K (1, 1, 1:1:222)
RRU-2 BXP_2051 RRUS12B3 A 11 36.8 (45.7) 1.20 (20.7) -96.8 16/- SE=S2 AG=2 GT=2/G1800-4 FDD=PJWR03L (1, 1:2:223)
RRU-2 BXP_2051 RRUS12B3 B 11 37.6 (45.7) 1.13 (24.3) -94.7 16/- SE=S2 AG=2 GT=2/G1800-4 GT=2/G1800-5 FDD=PJWR03L (1, 1, 1:2:223)
RRU-3 BXP_2052 RRUS12B3 A 11 7.4 (38.7) 1.14 (23.5) -98.4 22/- SE=S3 AG=3 GT=3/G1800-3 GT=3/G1800-4 FDD=PJWR03M (1, 1, D:3:224)
RRU-3 BXP_2052 RRUS12B3 B 11 5.2 (37.1) 1.26 (18.7) -99.3 22/- SE=S3 AG=3 GT=3/G1800-3 GT=3/G1800-4 GT=3/G1800-5 FDD=PJWR03M (1, 1, D:3:224)
RRU-31 BXP_2053 RRU2219B0A A 11 16.1 (42.1) 1.24 (19.3) -79.0 1/- SE=S31 AG=31 GT=1/G900-1 GT=1/G900-2 FDD=FPJWR03A (1, 1, 1:21:222)
RRU-31 BXP_2053 RRU2219B0A B 11 3.8 (35.8) 1.23 (19.9) -76.8 1/- SE=S31 AG=31 FDD=FPJWR03A (1:21:222)
RRU-32 BXP_2048 RRU2219B0A A 11 11.5 (48.6) 1.37 (16.1) -94.8 8/- SE=S32 AG=32 GT=2/G900-1 GT=2/G900-2 FDD=FPJWR03B (1, 1, 1:22:223)
RRU-32 BXP_2048 RRU2219B0A B 11 4.9 (36.9) 1.26 (18.9) -95.1 8/- SE=S32 AG=32 FDD=FPJWR03B (1:22:223)
RRU-33 BXP_2049 RRU2219B0A A 11 16.9 (42.3) 1.11 (25.4) -90.0 13/- SE=S33 AG=33 GT=3/G900-1 GT=3/G900-2 FDD=FPJWR03C (1, 1, 1:23:224)
RRU-33 BXP_2049 RRU2219B0A B 11 15.8 (42.0) 1.27 (18.6) -89.7 13/- SE=S33 AG=33 FDD=FPJWR03C (1:23:224)
=====
Tip: use option "a" or "af" to show the connected AntennaSubunits and AntennaNearUnits.
LPJWR03> [ ] CPU Hamilour Cluster
```

- To check abis

St abis

```
LPJWR03> st abis
210321-09:59:14 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
$ssh_pid = 10857
Connected to 10.198.18.151 (SubNetwork=ONRM_ROOT_MO,SubNetwork=LTE,SubNetwork=Baseband,MeContext=LPJWR03,ManagedElement=LPJWR03)
=====
Proxy Adm State Op. State MO
=====
 3 1 (UNLOCKED) 1 (ENABLED) BtsFunction=1,GsmSector=1,AbisIp=1
 9 1 (UNLOCKED) 1 (ENABLED) BtsFunction=1,GsmSector=2,AbisIp=1
 15 1 (UNLOCKED) 1 (ENABLED) BtsFunction=1,GsmSector=3,AbisIp=1
 2340 1 (UNLOCKED) SystemFunctions=1,HealthCheckM=1,HcRule=BtsFunction_CheckAbisLinkStatus
12949           1 (ENABLED) Transport=1,Router=ABIS,InterfaceIPv4=TN_A_ABIS
=====
Total: 5 MOs
```

- To check linkrate

Get . linkr

```
LPJWR03> get . linkr
210321-10:00:08 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
MO          Attribute   Value
=====
Rilink=31      linkRate    4900
Rilink=32      linkRate    9800
Rilink=33      linkRate    9800
Rilink=R5_1    linkRate    9800
Rilink=R5_13   linkRate    2500
Rilink=R5_14   linkRate    2500
Rilink=R5_15   linkRate    2500
Rilink=R5_2    linkRate    9800
Rilink=R5_3    linkRate    9800
=====
Total: 9 MOs
```

Get rilink

```
LPJWR03> get rilink
210321-10:00:59 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
2037          Equipment=1,RiLink=31
=====
availabilityStatus      i[0] =
fronthaulDeviceLineRate 0 (NOT_SET)
linkRate                4900
linkTag                 0
operationalState        1 (ENABLED)
rilinkId                31
riPortRef1              FieldReplaceableUnit=R503,RiPort=9
riPortRef2              FieldReplaceableUnit=RRU-31,RiPort=DATA_1
transportType            0 (NOT_SET)
=====
2038          Equipment=1,RiLink=32
```

- To check gps status

Gpsstatus

```
LPJWR03> gpsstatus
210321-10:02:37 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
coli>/netsync/gpsstatus
***** GPS Information *****
GPSS Protocol      : ECP (Ericsson-Personality) (2)
Product Designation : GPS 03 01
Product No.        : NCD 901 56/1
Product Rev.       : R1B
Additional Information : TU8KBZ2469.1544
Antenna feedline   : Normal
GPS Time Week     : 2150
GPS TOW           : 16375
GPS state         :
          Operational with 1PPS and Time message
***** GPSS Instantaneous Position *****
GpsLatitude        : N 31.32.4359
GpsLongitude       : E 76.8.6291
GpsAltitude        : 39.7
HDOP               : 0.66
VDOP               : 0.63
PDOP               : 0.92
noOfSatellitesForPosit : 9
***** GPSS Averaged Position *****
GpsLatitude        : N 31 32.4364
GpsLongitude       : E 76 08.6294
GpsAltitude        : 436.2
***** Satellite Information *****
```

Get gnssinfo

```
LPJWR03> get gnssinfo
210321-10:03:48 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
12881          SystemFunctions=1, SysM=1, Schema=RsyncGnssInfo
=====
baseModelIdentifier
baseModelVersion
identifier          RsyncGnssInfo
schemaId           RsyncGnssInfo
selectedModelOptions
version            s[0] =
                  1.25.1
=====
13075          Transport=1, Synchronization=1, TimeSyncIO=1, GnssInfo=1
=====
altitude          436.20
gnssInfoId        1
gnssRecControlPath 1 (CONTROL_PATH_EXIST)
gnssReceiverControl Connected GNSS Receiver does not support assigning control
gnssReceiverFirmware
  >>> 1.executingSlot = Unknown
  >>> 2.fwRevisionSlot0 = Unknown
  >>> 3.fwRevisionSlot1 = Unknown
  >>> 4.fwRevisionSlot2 = Unknown
gnssReceiverFwUpgradeStatus 1 (UPGRADE_UNSUPPORTED)
gnssReceiverProductData
  >>> 1.additionalInfo = TU8KBZ2469.1544
  >>> 2.productName = GPS 03 01
  >>> 3.productRevision = R1B
  >>> 4.serialNumber = Unknown
gnssReceiverStatus 6 (SYNCHRONIZED)
hdop              0.66
latitude          N 31 32.4364
```

- To check time and phase

Get . timeandp

```
LPJWR03> get . timeandp
210321-10:05:11 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
MO                         Attribute      Value
=====
ENodeBFunction=1           timeAndPhaseSyncAlignment true
ENodeBFunction=1           timeAndPhaseSyncCritical true
=====
Total: 1 MOs
```

- To ping service gateway

mcc Transport=1,Router=LTEUP ping 10.206.80.47 -c 20 -s 1472

```
LPJWR03> mcc Transport=1,Router=LTEUP ping 10.206.80.47 -c 20 -s 1472
210321-10:06:20 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
Run COMCLI command(s) on following 1 MOs ?
=====
12964  Transport=1,Router=LTEUP
=====
Run COMCLI commands(s) on 1 MOs. Are you Sure [y/n] ? y
=====
Id   MO                               Command          Result
=====
12964 Router=LTEUP                  ping 10.206.80.47 -c 20 -s 1472
>ManagedElement=LPJWR03,Transport=1,Router=LTEUP
>ping 10.206.80.47 -c 20 -s 1472
PING 10.206.80.47 (10.206.80.47) 1472(1500) bytes of data.
1480 bytes from 10.206.80.47: icmp_seq=1 ttl=61 time=6.98 ms
1480 bytes from 10.206.80.47: icmp_seq=2 ttl=61 time=7.30 ms
1480 bytes from 10.206.80.47: icmp_seq=3 ttl=61 time=7.08 ms
1480 bytes from 10.206.80.47: icmp_seq=4 ttl=61 time=6.89 ms
1480 bytes from 10.206.80.47: icmp_seq=5 ttl=61 time=7.04 ms
1480 bytes from 10.206.80.47: icmp_seq=6 ttl=61 time=6.78 ms
1480 bytes from 10.206.80.47: icmp_seq=7 ttl=61 time=7.11 ms
```

- To ping mme

mcc Transport=1,Router=LTECP ping 10.155.90.121 -c 20 -s 1472

```
LPJWR03> mcc Transport=1,Router=LTECP ping 10.155.90.121 -c 20 -s 1472
210321-10:07:38 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
Run COMCLI command(s) on following 1 MOs ?
=====
12954  Transport=1,Router=LTECP
=====
Run COMCLI commands(s) on 1 MOs. Are you Sure [y/n] ? y
=====
Id   MO                               Command          Result
=====
12954 Router=LTECP                  ping 10.155.90.121 -c 20 -s 1472
>ManagedElement=LPJWR03,Transport=1,Router=LTECP
>ping 10.155.90.121 -c 20 -s 1472
PING 10.155.90.121 (10.155.90.121) 1472(1500) bytes of data.
1480 bytes from 10.155.90.121: icmp_seq=1 ttl=61 time=6.75 ms
1480 bytes from 10.155.90.121: icmp_seq=2 ttl=61 time=6.17 ms
1480 bytes from 10.155.90.121: icmp_seq=3 ttl=61 time=6.60 ms
1480 bytes from 10.155.90.121: icmp_seq=4 ttl=61 time=6.16 ms
```

- To check software on enodeb

Lpr upgrade

```
LPJWR03> lpr upgrade
210321-10:08:23 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
=====
Proxy MO
=====
2195 SystemFunctions=1,Fm=1,FmAlarmModel=1,FmAlarmType=GNSSReceiverFirmwareUpgradeFailure
12756 SystemFunctions=1,SwM=1,UpgradePackage=CXP9024418/15-R7F45
12757 SystemFunctions=1,SwM=1,UpgradePackage=CXP9024418/15-R7M38
=====
Total: 3 MOs
LPJWR03>
```

- To check port status

St port

```
LPJWR03> st port
210321-10:12:01 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/32263
$ssh_pid = 1326
Connected to 10.198.18.151 (SubNetwork=ONRM_ROOT_MO,SubNetwork=LTE,SubNetwork=Baseband,MeContext=
=====
Proxy Adm State Op. State MO
=====
1889 1 (ENABLED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=4,EcPort=1
1892 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=4,RiPort=A
1893 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=4,RiPort=B
1894 1 (UNLOCKED) 1 (ENABLED) Equipment=1,FieldReplaceableUnit=4,RiPort=C
1895 1 (UNLOCKED) 0 (DISABLED) Equipment=1,FieldReplaceableUnit=4,RiPort=D
1896 1 (UNLOCKED) 0 (DISABLED) Equipment=1,FieldReplaceableUnit=4,RiPort=E
```

- To check sectorcarrier

St sector

```
LPJWR03> st sector
210321-10:28:00 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/25212
=====
Proxy Adm State Op. State MO
=====
1803 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=1
1806 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=13
1809 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=14
1812 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=15
1815 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=2
1818 1 (ENABLED) 1 (ENABLED) ENodeBFunction=1,SectorCarrier=3
2066 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S1
2067 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S2
2068 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S3
2069 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S31
2070 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S32
2071 1 (UNLOCKED) 1 (ENABLED) NodeSupport=1,SectorEquipmentFunction=S33
```

- To check cell on sector carrier

Get (Proxi)

```

LPJWR03> get 1806
210321-10:30:43 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/25211
=====
1806          ENodeBFunction=1,SectorCarrier=13
=====
antCalModeTddAasDl          0
availabilityStatus           i[0] =
configuredMaxTxPower        40000
digitalTilt                  30
dlCalibrationData           Struct{3}
  >>> 1.dlCalibrationActiveMethod = 0 (NONE)
  >>> 2.dlCalibrationStatus = 0 (INACTIVE)
  >>> 3.dlCalibrationSupportedMethods =
essScLocalId                 0
essScPairId                  0
maximumTransmissionPower     460
microSleepTxActivation       true
noOfMutedTxAntennas          0
noOfRxAntennas                2
noOfTxAntennas                2
operationalState              1 (ENABLED)
pimMitigAggressiveness       1 (MEDIUM)
pimMitigDLMutingFixed         false
pimMitigDLMutingPerc          40
pimMitigDLMitingPeriod        8
pimMitigLevelThresh           -145
pimMitigStatus                0 (PIM_MITIG_STATUS_UNKNOWN)
prsEnabled                     true
radioTransmitPerfMode         1 (CAPACITY)
reservedBy                   [1] =
  >>> reservedBy = ENodeBFunction=1,EUtranCellFDD=FPJWR03A
  [0] =
  [1] =
  [2] =

```

- To check ret status

St ret

```

TPJWR03> st ret
210321-10:32:47 10.198.25.22 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/8824
=====
Proxy Adm State   Op. State   MO
=====
3693 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-1
3694 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-1,RetSubUnit=1
3695 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-2
3696 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-2,RetSubUnit=1
3697 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-3
3698 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-3,RetSubUnit=1
3699 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-4
3700 1 (UNLOCKED) 1 (ENABLED) Equipment=1,AntennaUnitGroup=10,AntennaNearUnit=RET-4,RetSubUnit=1

```

- To check cell power

Get . maxtxp

```

TPJWR03> get . maxtxp
210321-10:34:00 10.198.25.22 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/8824
=====
MO                         Attribute      Value
=====
SectorCarrier=10            configuredMaxTxPower 80000
SectorCarrier=19            configuredMaxTxPower 26400
SectorCarrier=20            configuredMaxTxPower 26400
SectorCarrier=21            configuredMaxTxPower 26400
SectorCarrier=22            configuredMaxTxPower 80000
SectorCarrier=7             configuredMaxTxPower 53600
SectorCarrier=8             configuredMaxTxPower 53600
SectorCarrier=81            configuredMaxTxPower 40000
SectorCarrier=82            configuredMaxTxPower 40000
SectorCarrier=83            configuredMaxTxPower 40000
SectorCarrier=9             configuredMaxTxPower 53600
=====
Total: 11 MOs

```

- To check remote electrical tilt

```

LSHML23> get . electrical
210321-10:35:41 10.194.217.203 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/11293
=====
MO                                         Attribute      Value
=====
AntennaUnitGroup=10,AntennaNearUnit=RET-1,RetSubUnit=1  electricalAntennaTilt 40
AntennaUnitGroup=10,AntennaNearUnit=RET-2,RetSubUnit=1  electricalAntennaTilt 40
AntennaUnitGroup=11,AntennaNearUnit=RET-1,RetSubUnit=1  electricalAntennaTilt 30
AntennaUnitGroup=11,AntennaNearUnit=RET-2,RetSubUnit=1  electricalAntennaTilt 30
AntennaUnitGroup=11,AntennaNearUnit=RET-3,RetSubUnit=1  electricalAntennaTilt 20
AntennaUnitGroup=11,AntennaNearUnit=RET-4,RetSubUnit=1  electricalAntennaTilt 20
=====
Total: 6 MOs

LSHML23>

```

CPU

- To check node up time

Uptime

```

LSHML23> uptime
...
210321-10:36:29 10.194.217.203 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/11293
colic>/os/uptime
05:06:30 up 23 min, 0 users, load average: 2.22, 2.82, 3.51
colic>

LSHML23>

```

CPU

- To check radioclock

Get . radioclock

```

LSHML23> get . radioclock
210321-10:37:19 10.194.217.203 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/11293
=====
MO                                         Attribute      Value
=====
Synchronization=1,RadioEquipmentClock=1          currentRadioClockReference Synchronization=1,RadioEquipmentClock=1,RadioEquipmentClock=1
=1
Synchronization=1,RadioEquipmentClock=1          radioClockPriorityTable [3] =
>>> radioClockPriorityTable = Transport=1,Synchronization=1,RadioEquipmentClock=1,RadioEquipmentClockReference=1
>>> radioClockPriorityTable = Transport=1,Synchronization=1,RadioEquipmentClock=1,RadioEquipmentClockReference=2
>>> radioClockPriorityTable = Transport=1,Synchronization=1,RadioEquipmentClock=1,RadioEquipmentClockReference=3
Synchronization=1,RadioEquipmentClock=1          radioClockState    6 (RNT_TIME_LOCKED)
=====
Total: 1 MOs

```

CPU

- To check oam ip

Get tn_a_oam

```

LPJWR03> get tn_a_oam
210321-13:52:15 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/7119
=====
12968                                         Transport=1,Router=OAM,InterfaceIPv4=TN_A_OAM
=====
aclEgress
aclIngress
arpTimeout
availabilityStatus
bfdProfile
bfdStaticRoutes
egressQosMarking
encapsulation
ingressQosMarking
interfaceIPv4Id
loopback
mtu
operationalState
pcpArp
reservedBy
routesHoldDownTimer
routingPolicyIngress
userLabel
=====
12969                                         Transport=1,Router=OAM,InterfaceIPv4=TN_A_OAM,AddressIPv4=TN_A_OAM
=====
address
addressIPv4Id
configurationMode
dhcpClientIdentifier

```

CPU

- To check cp and up ip

Get tn_a_cp

Get tn_a_up

To check ethernet

Get . ethernet

g

```
LPJWR03> get . ethernet
210321-13:54:15 10.198.18.151 20.0d MSRBS_NODE_MODEL_20.Q2_453.28212.68_480e stopfile=/tmp/7119
=====
MO                               Attribute      Value
=====
EthernetPort=TN_A               ethernetPortId  TN_A
EthernetPort=TN_B               ethernetPortId  TN_B
=====
Total: 2 MOs
```

- To check alarm log

lga

```
2021-03-21 04:07:01 AL  *  Service Degraded          EUtranCellFDD=PJWR03M
2021-03-21 04:07:10 AL  m  Service Degraded          EUtranCellFDD=PJWR03M
2021-03-21 04:12:57 AL  C  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=1 (DOOR OPEN)
2021-03-21 04:13:34 AL  m  Resource Allocation Failure Service Degraded SectorCarrier=3 (Insufficient RF power in radio equipment)
2021-03-21 04:13:50 AL  m  Service Degraded          EUtranCellFDD=PJWR03M
2021-03-21 05:13:45 AL  m  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=3 (DG ON LOAD)
2021-03-21 05:38:16 AL  m  Service Degraded          EUtranCellFDD=PJWR03M
2021-03-21 05:38:15 AL  *  Resource Allocation Failure Service Degraded SectorCarrier=3 (Insufficient RF power in radio equipment)
2021-03-21 05:38:15 AL  m  VSWR Over Threshold     FieldReplaceableUnit=RRU-3,RfPort=B (ReturnLoss 9.7 dB, VSWR 2.0, Sensitivity 100%)
2021-03-21 05:38:35 AL  *  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=3 (DG ON LOAD)
2021-03-21 05:38:52 AL  M  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=5 (SITE ON BATTERY)
2021-03-21 05:39:24 AL  *  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=5 (SITE ON BATTERY)
2021-03-21 05:39:34 AL  m  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=3 (DG ON LOAD)
2021-03-21 05:40:52 AL  *  External Alarm           FieldReplaceableUnit=SUP-1,AlarmPort=3 (DG ON LOAD)
2021-03-21 06:10:21 AL  *  VSWR Over Threshold     FieldReplaceableUnit=RRU-3,RfPort=B (ReturnLoss 9.7 dB, VSWR 2.0, Sensitivity 100%)
2021-03-21 06:10:22 AL  *  Service Degraded          EUtranCellFDD=PJWR03M
```