NUCLEUS™ PAGING STATION QUICK REFERENCE MENU GUIDE

STN – STATION

TX FREQ RANGE (read-only)
CURRENT TX CHN *
  1
  thru
  32
ALIGN 1 VCO **
  thru
ALIGN 4 DELAY **
SYS TIMER ALARM *
  DISABLE
  2 MIN
  15 MIN
  30 MIN
  60 MIN
  90 MIN
  120 MIN
  180 MIN
FRONT PANEL PASSWORD *
  ENABLED
  DISABLED
  PASSWORD (DEFAULT = 6000)
SET STATION TIME
  YEAR
  MONTH
  DAY
  HOUR
  MINUTE
  SECONDS

RX – RECEIVER

LINK/MONITOR RECEIVER
RX FREQ RANGE (read-only)
RX CHN FREQ
CHN SPACING *
  12.5 KHZ
  20 KHZ
  25 KHZ
RX DEEMPHASIS *
  ENABLED
  DISABLED
RX OUTPUT *
  INVERTED
  NOT INVERTED
MONITOR RX OUTPUT *
  ANALOG
  TTL CNET
FM CUBED SATELLITE RECEIVER
RX UNIT ADDRESS (read-only)
NETOP ID (read-only)
GROUP ADDRESS
L-BAND FREQ
LNB POWER SUPPLY *
  DISABLED
  ENABLED
INTERFACE PROTOCOL *
  RS232
  RS485
  RS232 AND RS485
INTERFACE SPEED (read-only)
FEC SETUP *
  DISABLED
  ENABLED
ANT ALIGN TONE
  DISABLED
  ENABLED

TX – TRANSMIT

TX CHN FREQS
  CHN 1 FREQ
  thru
  CHN 32 FREQ
  MEAN FREQ
TX CHN PWR *(if CHN MAPPED PWR disabled)*
  OPERATING PWR
TX CHN PWR *(if CHN MAPPED PWR enabled)*
  CHN 1 PWR
  thru
  CHN n PWR *(if CHN n FREQ ≠ 0)*
  MEAN FREQ PWR
TX CHN OFFSETS
  HIGH SPEED OFFSET
  LOW SPEED OFFSET
LOW SPEED SPLATTER FILTER *
  88 US LOW PASS
  140 US LOW PASS
  250 US LOW PASS
NOMINAL BINARY DEVIATION
SPECIAL TX SETUP
  TX DATA INVERT *
    ENABLED
    DISABLED
  TX = RX *
    ENABLED
    DISABLED
    TX = RX CHANNEL *
      1
      thru
      32
  IDLE DEVIATION *
    NULL
    SPACE
    MARK

ASET – ALARM SETUP

If CHN MAPPED PWR disabled:
NON–CHAN MAPPED PWR ALARMS
  FWD PWR ALM PT
  RFL PWR ALM PT
  EXT WM FWD PWR ALM PT
  EXT WM RFL PWR ALM PT
If CHN MAPPED PWR enabled:
INT FWD CHN MAPPED ALMS
  CHN 1 FWD ALM PT
  thru
  CHN 32 FWD ALM PT
INT RFL CHN MAPPED ALMS
  CHN 1 RFL ALM PT
  thru
  CHN 32 RFL ALM PT
EXT FWD CHN MAPPED ALMS *(if EXT WATTMETER TYPE ≠ NONE)*
  CHN 1 EXT FWD ALM PT
  thru
  CHN 32 EXT FWD ALM PT
EXT RFL CHN MAPPED ALMS *(if EXT WATTMETER TYPE ≠ NONE)*
  CHN 1 EXT RFL ALM PT
  thru
  CHN 32 EXT RFL ALM PT

OPT 1 – STATION OPTIONS 1

ANTENNA RELAY *
  DISABLED
  ENABLED
EXT CIRCULATOR *
  NOT PRESENT
  PRESENT
CHN MAPPED PWR *
  DISABLED
  ENABLED

STAT – STATION STATUS

FWD PWR
RFL PWR
VSWR
EXT WM FWD PWR
EXT WM RFL PWR
EXT WM VSWR
SOFTWARE VERSIONS
  APPLICATION
  EXCITER
  BOOT
INTERNAL FM CUBED® RX (read-only)
ALIGNMENT ID
  SCM (read-only)
  EXCITER (read-only)

CNFG – STATION CONFIGURATION

MAX PWR (read only)
  NO PA
  20 W
  25 W
  100 W
  125 W
  300 W
  350 W
BATTERY REVERT SETUP
  BATTERY TYPE *
    VENTED LEAD CALCIUM
    SEALED LEAD CALCIUM
    NICAD
    GENERIC
    BATTERY REVERT DISABLED
  CHARGING *
    ENABLED
    DISABLED
  BACKUP *
    BACKUP STATION
    BACKUP CONTROL
    FIXED CUTBK RED %
EXT WATTMETER TYPE *
  NONE
  CLASS 1 EXT
  CLASS 2 EXT
  CLASS 3 EXT
  CLASS 4 EXT
CONTROL *
  INTERNAL CNET
  EXT SYNCH LOCAL CTRL
RX TYPE *
  NO INTERNAL
  INTERNAL LINK
  INTERNAL MONITOR
  INTERNAL SAT RX TYPE *
    NONE
    FM CUBED®
  SPECIAL KEY SELECT *
    NONE
    CD INT
    CD EXT
    SPCL KEY
    FAST LOW
    FAST HIGH
    EXT LOW
    EXT HIGH

ALMS – STATION ALARMS

LOW FORWARD POWER
HIGH REFLECTED POWER
EXT LOW FORWARD POWER
EXT HIGH REFLECTED POWER
REDUNDANCY SWITCHOVER
PA FAN
SYNTH OUT OF LOCK
BATTERY REVERT
SYS TIMER EXPIRED
PA FAIL
STATION RESET
HIGH STABILITY REF FAIL
ALIGNMENT ID MISMATCHED
INT SAT RX FAIL
INT SAT RX NO CD
INT SAT RX NOT AUTH
INT SAT RX LNB FAIL

SERV – SERVICE MODE

PA TEST MODE *
  ACTIVE
  INACTIVE
SELECT SYMBOL *
  STAIRCASE
  01–10
  00–11
  10
  11
  01
  00
  CARRIER
  KEY ON SYMBOL

DIS – ACCESS DISABLE

MAINT ACCESS
  DISABLED
  ENABLED
PAGING ACCESS
  DISABLED
  ENABLED
DISABLE STATUS (read-only)
  DISABLE_1
  thru
  DISABLE_n

ALGN – STATION ALIGNMENT

CAL STATION POWER
  INITIALIZE CALIBRATION
  INPUT MEASURED PWR
  CALIBRATE ***
    INPUT MEASURED PWR
CAL EXT WM
ALIGN UHSO
KEY START
  START
KEY AND READ POWER
KEY AND READ EXT WM POWER

RESET – RESET STATION

PRESS BUTTONS 1 & 3 SIMULTANEOUSLY

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* Select one of the following

** Alignment channels are displayed in the STN menu but are automatically selected during alignment procedures from the ALGN menu. *Do not* attempt to select them from the STN menu.

*** For factory use only

NUCLEUS II PAGING STATION QUICK REFERENCE MENU GUIDE

STN – STATION
TX FREQ RANGE (read-only)
CURRENT TX CHN *
 1
 thru
 32
ALIGN 1 VCO **
 thru
ALIGN 6 VCO**
 MEAN
ALIGN 1 DELAY**
 thru
ALIGN 4 DELAY **
SYS TIMER ALARM *
 DISABLE
 2 MIN
 15 MIN
 30 MIN
 60 MIN
 90 MIN
 120 MIN
 180 MIN
FRONT PANEL PASSWORD *
 ENABLED
 DISABLED
PASSWORD (DEFAULT = 6000)
SET STATION TIME
 YEAR
 MONTH
 DAY
 HOUR
 MINUTE
 SECONDS

RX – RECEIVER
LINK/MONITOR RECEIVER
RX FREQ RANGE (read-only)
RX CHN FREQ
CHN SPACING *
 12.5 KHZ
 20 KHZ
 25 KHZ
RX DEEMPHASIS *
 ENABLED
 DISABLED
RX OUTPUT *
 INVERTED
 NOT INVERTED
MONITOR RX OUTPUT *
 ANALOG
 TTL CNET

TX – TRANSMIT
TX CHN FREQS
 CHN 1 FREQ
 thru
 CHN 32 FREQ
 MEAN FREQ
TX CHN PWR (if CHN MAPPED PWR disabled)
 OPERATING PWR
TX CHN PWR (if CHN MAPPED PWR enabled)
 CHN 1 PWR
 thru
 CHN n PWR (if CHN n FREQ ≠ 0)
 MEAN FREQ PWR
TX CHN OFFSETS
 HIGH SPEED OFFSET
 LOW SPEED OFFSET
LOW SPEED SPLATTER FILTER *
 88 US LOW PASS
 140 US LOW PASS
 250 US LOW PASS
 160 US LOW PASS
HIGH SPEED SPLATTER FILTER *
 88 US LOW PASS
 160 US LOW PASS
NOMINAL BINARY DEVIATION
SPECIAL TX SETUP
 TX DATA INVERT *
  ENABLED
  DISABLED
 TX = RX *
  ENABLED
  DISABLED
 TX = RX CHANNEL *
  1
  thru
  32
IDLE DEVIATION *
 NULL
 SPACE
 MARK

ASET – ALARM SETUP
If CHN MAPPED PWR disabled:
 NON–CHAN MAPPED PWR ALARMS
  FWD PWR ALM PT
  RFL PWR ALM PT
  EXT WM FWD PWR ALM PT
  EXT WM RFL PWR ALM PT
If CHN MAPPED PWR enabled:
 INT FWD CHN MAPPED ALMS
  CHN 1 FWD ALM PT
  thru
  CHN 32 FWD ALM PT
 INT RFL CHN MAPPED ALMS
  CHN 1 RFL ALM PT
  thru
  CHN 32 RFL ALM PT
 EXT FWD CHN MAPPED ALMS (if EXT WATTMETER TYPE ≠ NONE)
  CHN 1 EXT FWD ALM PT
  thru
  CHN 32 EXT FWD ALM PT
 EXT RFL CHN MAPPED ALMS (if EXT WATTMETER TYPE ≠ NONE)
  CHN 1 EXT RFL ALM PT
  thru
  CHN 32 EXT RFL ALM PT

OPT 1 – STATION OPTIONS 1
ANTENNA RELAY *
 DISABLED
 ENABLED
EXT CIRCULATOR *
 NOT PRESENT
 PRESENT
CHN MAPPED PWR *
 DISABLED
 ENABLED

STAT – STATION STATUS
FWD PWR
RFL PWR
VSWR
EXT WM FWD PWR
EXT WM RFL PWR
EXT WM VSWR
SOFTWARE VERSIONS (read-only)
 APPLICATION (read-only)
 EXCITER (read-only)
 BOOT (read-only)
 ALIGNMENT ID
 SCM (read-only)
 EXCITER (read-only)

CNFG – STATION CONFIGURATION
MAX PWR (read only)
 NO PA
 20 W
 25 W
 100 W
 125 W
 300 W
 350 W
BATTERY REVERT SETUP
 BATTERY TYPE *
  SEALED LEAD CALCIUM
  BATTERY REVERT DISABLED
 CHARGING *
  ENABLED
  DISABLED
 BACKUP *
  BACKUP STATION
  BACKUP CONTROL
  FIXED CUTBK RED %
 EXT WATTMETER TYPE *
  NONE
  CLASS 1 EXT
  CLASS 2 EXT
  CLASS 3 EXT
  CLASS 4 EXT
 CONTROL *
  INTERNAL CNET
  EXT SYNCH LOCAL CTRL
 RX TYPE *
  NO INTERNAL
  INTERNAL LINK
  INTERNAL MONITOR
 SPECIAL KEY SELECT *
  NONE
  CD INT
  CD EXT
  SPCL KEY
  FAST LOW
  FAST HIGH
  EXT LOW
  EXT HIGH

ALMS – STATION ALARMS
LOW FORWARD POWER
HIGH REFLECTED POWER
EXT LOW FORWARD POWER
EXT HIGH REFLECTED POWER
PA FAN
SYNTH OUT OF LOCK
BATTERY REVERT
SYS TIMER EXPIRED
PA FAIL
STATION RESET
HIGH STABILITY REF FAIL
ALIGNMENT ID MISMATCHED

SERV – SERVICE MODE
PA TEST MODE *
 ACTIVE
 INACTIVE
SELECT SYMBOL *
 STAIRCASE
 01–10
 00–11
 10
 11
 01
 00
 CARRIER
 KEY ON SYMBOL

DIS – ACCESS DISABLE
MAINT ACCESS
 DISABLED
 ENABLED
PAGING ACCESS
 DISABLED
 ENABLED
DISABLE STATUS (read-only)
 DISABLE_1
 thru
 DISABLE_n

ALGN – STATION ALIGNMENT
CAL STATION POWER
 MANUAL PA CALIBRATION
 AUTO PA ALIGNMENT
CAL EXT WM
ALIGN UHSO
 KEY START
 START
KEY AND READ POWER
KEY AND READ EXT WM POWER

RESET – RESET STATION
PRESS BUTTONS 1 & 3 SIMULTANEOUSLY

* Select one of the following

** Alignment channels are displayed in
   the STN menu but are automatically
   selected during alignment procedures
   from the ALGN menu. Do not attempt
   to select them from the STN menu.

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