

Sleeping Cell Detection Manual

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Sleeping Cell Detection Manual

- Sleeping Cell Detection is to raise an alarm(Silent Alarm) about AP which is associated with few stations.
- Sleeping Cell Detection will not work for AP in the Exception Groups.
(Configuration → Radio → Advanced → Exception Groups)

CLI /WEC

- Field Description:

1) Sleeping Cell Detection Enable/Disable:

CLI: WEC8050/configure/rrm/sleep-cell-detect# enable/ no enable

WEC: Configuration → Radio → Advanced → Sleeping Cell Detection → SERVICE

2) APC Threshold : minimum number of associated stations per APC that determines whether to generate a Silent Alarm.

If the number of associated stations is less than this value, Sleeping Cell Detection does not work. Because it is treated as holiday.

CLI: WEC8050/configure/rrm/sleep-cell-detect# apc-threshold

WEC: Configuration → Radio → Advanced → Sleeping Cell Detection → APC THRESHOLD

3) AP Threshold : minimum number of associated stations per AP that determines whether to generate a Silent Alarm.

CLI: WEC8050/configure/rrm/sleep-cell-detect# ap-threshold

WEC: Configuration → Radio → Advanced → Sleeping Cell Detection → AP THRESHOLD

4) PERIOD_1ST : specific period 1 for Sleeping Cell Detection start/end

RANGE : check the number of associated stations to determine whether to generate a Silent Alarm. If it is zero, it is deactivated (PERIOD_ALL period will be used).

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CLI: WEC8050/configure/rrm/sleep-cell-detect# period_1st

WEC: Configuration → Radio → Advanced → Sleeping Cell Detection → Period(1ST)

5) PERIOD_2ND : specific period 2 for Sleeping Cell Detection start/end

RANGE : check the number of associated stations to determine whether to generate a Silent Alarm. If it is zero, it is deactivated (PERIOD_ALL period will be used).

6) PERIOD_ALL : Sleeping Cell Detection start/end period except PERIOD_1ST and PERIOD_2ND

CLI: WEC8050/configure/rrm/sleep-cell-detect# period_all

WEC: Configuration → Radio → Advanced → Sleeping Cell Detection → Period(ALL)

- Sleeping Cell Detection :

WEC8050# show rrm sleep-cell-detect

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WEC8050/configure/rrm/sleep-cell-detect# show rrm sleep-cell-detect

Sleeping Cell Detection ... Enabled
APC Theshold ..... 10
AP Theshold ..... 10
Period 1st -----
Range ..... 1
Start Hour ..... 8
End Hour ..... 21
Period 2nd -----
Range ..... 2
Start Hour ..... 0
End Hour ..... 4
Period All -----
Range ..... 2
```

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- WEC: Configuration → Radio → Advanced → Sleeping Cell Detection

The screenshot shows the Samsung Wireless Enterprise configuration interface. The top navigation bar includes the logo and menu items: Monitor, Configuration (highlighted), Administration, and Help. A left sidebar contains a tree view of configuration categories, with 'Radio' expanded to show 'Advanced' and 'Sleeping Cell Detection' selected. The main content area displays the configuration for 'Sleeping Cell Detection' under the path 'Radio > Advanced > Sleeping Cell Detection'.

SERVICE Enable Disable

APC THRESHOLD ¹

AP THRESHOLD ²

Period (1st)

RANGE (UNIT:15MIN) ³

START HOUR O'clock

END HOUR O'clock

Period (2nd)

RANGE (UNIT:15MIN) ³

START HOUR O'clock

END HOUR O'clock

Period (ALL)

RANGE (UNIT:15MIN)