MT7986 EDCCA Application note

CTD/SE2/CS6

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How to use EDCCA Command

- Set command
  - *EDCCAEnable*
    - iwpriv ra0 set EDCCAEnable=0/1 (1 : **Auto mode**, 0 : **Force Disable**)
    - Auto mode : EDCCA will detect energy and block TX when energy is over threshold.
    - Force disable : EDCCA will ignore energy.
  - *EDCCAThreshold*
    - iwpriv ra0 set EDCCAThreshold=**BandwidthID** : **Threshold**
      - **BandwidthID**
        - 0: *BW20* , 1: *BW40* , 2: *BW80*
        - 127: Reset
          - If EDCCACfgMode=1, It will reset to the value that you enter last time.
          - If EDCCACfgMode=0, It will reset to Profile setting or HW setting.
      - **Threshold**
        - xxdbm (Only Positive value, ex. If you want to set to -60dbm, you should enter 60)
        - 127 is invalid value, means not going to set
        - Range : (**0 , -126)** dbm
- Show command
  - iwpriv ra0 show EDCCAEnable
  - iwpriv ra0 show EDCCAThreshold

How to use EDCCA profile

- EDCCAEnable=*0/1*
  - *0* : Disable
  - *1* : Enable
- EDCCAThreshold=***xx:yy:zz***
  - *xx* : Pri/Sec BW20 Threshold
  - *yy* : Sec BW40 Threshold
  - *zz* : Sec BW80 Threshold
- EDCCACfgMode=0/1
  - 0 : EDCCA reset value will follow profile/HW setting
  - 1 : EDCCA reset value will follow cmd setting