

MEDIATEK

MT7986 CCA Idle Power for Noise Floor Measurement Application Note

2021.08.17

Application Note - Outline

- **History**
- **Feature Introduction**
 - Purpose
- **How to Configure**
 - Runtime Config – Command
- **How to Check**
 - Expected Results
 - Debug

Version History

Version	Date	Author (Optional)	Description
1.0	2021/08/17	Phil Lin	Initial version for MT7986

Feature Introduction - Purpose

- The noise floor info could be retrieved.

Runtime Config - Command

- `iwpriv ra0 set set_enable_nf=<ENABLE>-<Sampling_Period(ms)>-<No. of values to average>`

How to Check - Expected Results

- Example :
- `iwpriv ra0 set set_enable_nf=1-100-10` read CR per 100ms, average for 10 counts

```

200.833831] -95      -97      -97      -97
201.832590] Average Power
201.835234] WF0      WF1      WF2      WF3
201.838289] -95      -98      -98      -98
202.838429] Average Power
202.841084] WF0      WF1      WF2      WF3
202.844141] -97      -98      -98      -98
203.843412] Average Power
203.846056] WF0      WF1      WF2      WF3
203.849111] -93      -96      -96      -96
204.848274] Average Power
204.850925] WF0      WF1      WF2      WF3
204.853981] -95      -96      -96      -96
205.854170] Average Power
205.856813] WF0      WF1      WF2      WF3
205.859877] -97      -98      -98      -98
205.859877] -97      -98      -98      -98

```

How to Check - Debug

- NA

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