Configuring Guard Interval for HE (High Efficiency)

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Longer guard intervals improve link reliability for long range outdoor deployments and the feature like guard interval supports URWB stacks.

To configure a guard interval, use the following CLI command:

```
Device# configure dot11Radio [interface] guard-interval [gi]
```

gi - Guard interval values are:

1600 - To configure 1600 ns guard interval (supported only in HE mode)

3200 - To configure 3200 ns guard interval (supported only in HE mode)

400 - To configure 400 ns guard interval (supported in HT and VHT modes)

800 - To configure 800 ns guard interval (default guard interval mode and disable mode in HT, VHT, and HE)

Example:

```
Device# configure dot11Radio 1 high-efficiency enable

Device# configure dot11Radio 1 guard-interval 1600

Device# configure dot11Radio 1 guard-interval 3200

Device# wr
```

To validate a guard interval, use the following show commands:

```
Device# show dot11Radio 1 config
Maximum tx mcs: 9
High-efficiency : enabled
Maximum tx nss : 2
RTS protection : disabled
guard-interval : 1600 ns

Device# show dot11Radio 2 config
Maximum tx mcs: 9
High-efficiency : enabled
```

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```
Maximum tx nss : 2
RTS protection : disabled
guard-interval : 3200 ns
```