Configuring Guard Interval for HE (High Efficiency)

Configuring Guard Interval for HE

Longer guard intervals improve link reliability for longer range outdoor deployments and this features like guard interval supports URWB stacks.

To configure a guard interval, use the following CLI commands.

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

gi will be one of the following values

1600 - Configure 1600 ns guard intervasl (only in HE mode)

3200 - Configure 3200 ns guard interval (only in HE mode)

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

800 - Configure 800 ns guard interval (default guard interval mode and disabled mode in HT, VHT, 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 CLI 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
Maximum tx nss : 2
```

```
RTS protection : disabled
guard-interval : 3200 ns
```