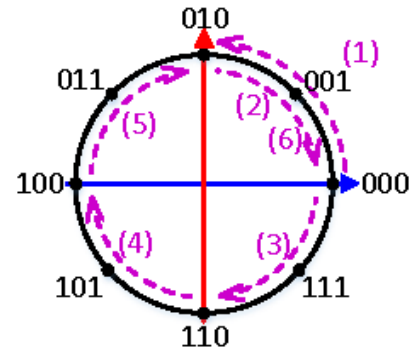


Starting Phase: ① is close to 90°, the embedded information will be decoded as bit 010.



Rotation Radius: ① ② ③ are located in the green area with large radius, ④ ⑤ ⑥ are located in the yellow area with small radius. Thus, the 1st/2nd half of the waveform will be decoded as bit 1, 0, respectively.

Rotation Velocity: From ① to ⑦, the point rotates {107°, 101°, 124°, 26°, 100°, 114°} respectively, most of which are > the decision boundary 67.5°. Thus, the embedded information will be decoded as bit 1, respectively.

| | Standard ZigBee Waveform | | | | | | Customized ZigBee Waveform | | | | | |
|--------------------|--------------------------|-----|-----|-----|-----|-----|----------------------------|-----|-----|-----|-----|-----|
| Time Interval | ①→② | ②→③ | ③→④ | ④→⑤ | ⑤→⑥ | ⑥→⑦ | ①→② | ②→③ | ③→④ | ④→⑤ | ⑤→⑥ | ⑥→⑦ |
| Rotation Direction | CCW | CW | CW | CW | CW | CW | CCW | CW | CW | CW | CW | CW |
| Decoding Results | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |