www.ti.com xWR6843AOPEVM Rev F

4.5 xWR6843AOPEVM Antenna

The xWR6843AOPEVM includes four receiver and three transmitter short range antennas on the package of the chip. Figure 4-7 shows the antenna on package.

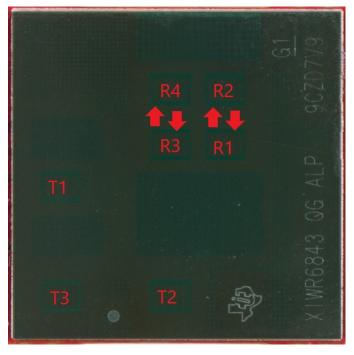
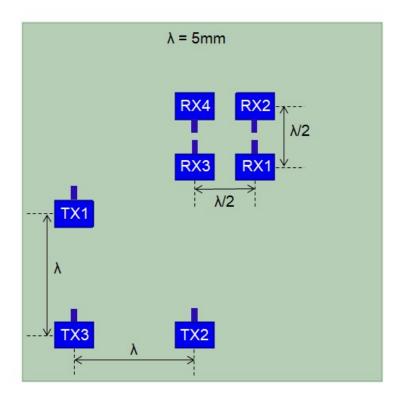
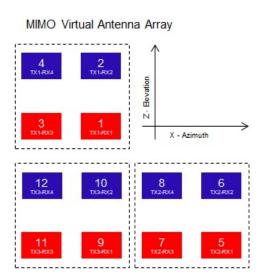


Figure 4-7. AOP Antennas





RX1 and RX3 are 180° out of phase with respect to RX2 and RX4. Because of this, a 180° phase inversion needs to be applied in software processing for the corresponding virtual RX channels (highlighted in Red)

Figure 4-8. IWR6843AOP antenna placement MIMO array