

AWR6843 AOP (Antenna-on-Package)

**(datasheet)**

## Antenna Specification

Item	Description
Type	Micro-strip Patch Antenna
Gain	5.2 dBi
Directionality	Omni-directional
Polarization	Not applicable
Connection type with the transmitter	Built-in
Manufacturer and Model	Manufacturer: Texas Instruments Model: AWR6843AOP
Measuring institution	Texas Instruments

# Antenna Positions

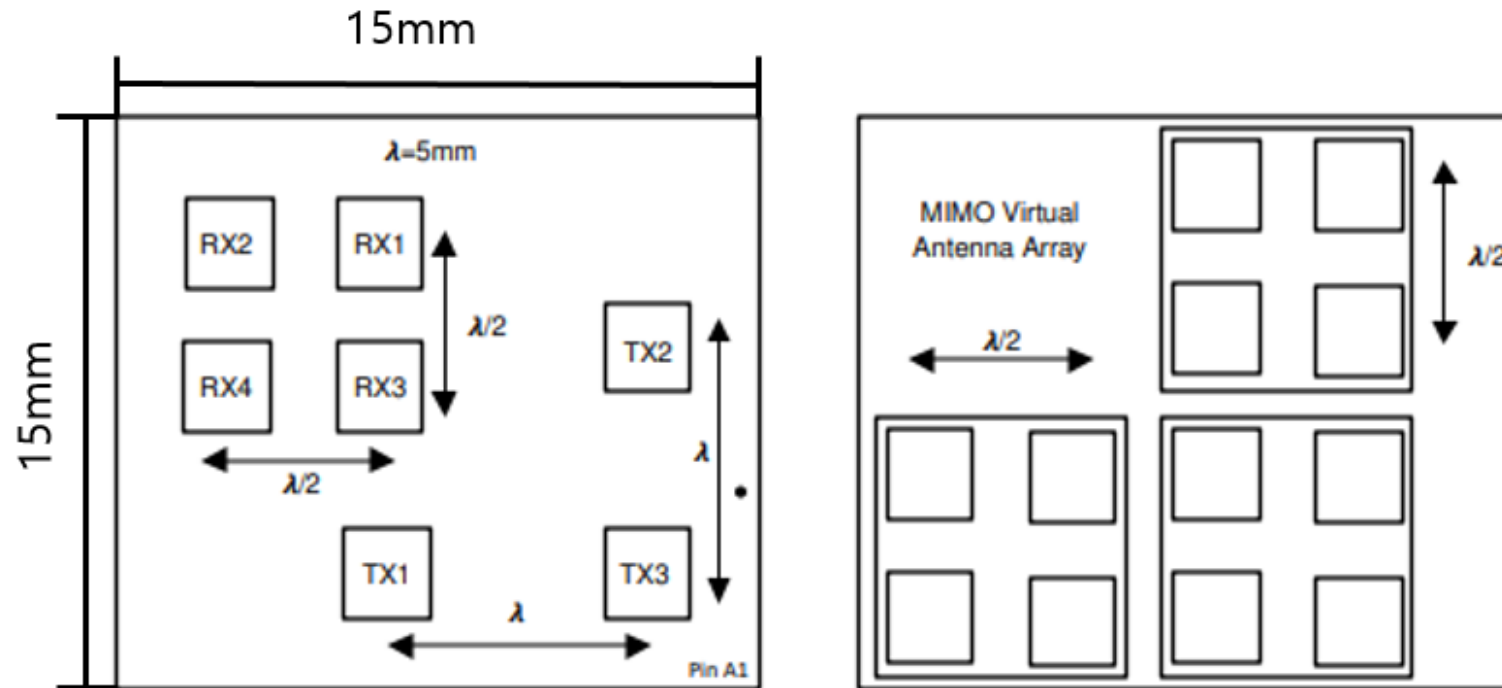


Figure 1. Antenna Positions (Placement and Relative Spacing)

# TI AWR6843AOP (Antenna On-Package)

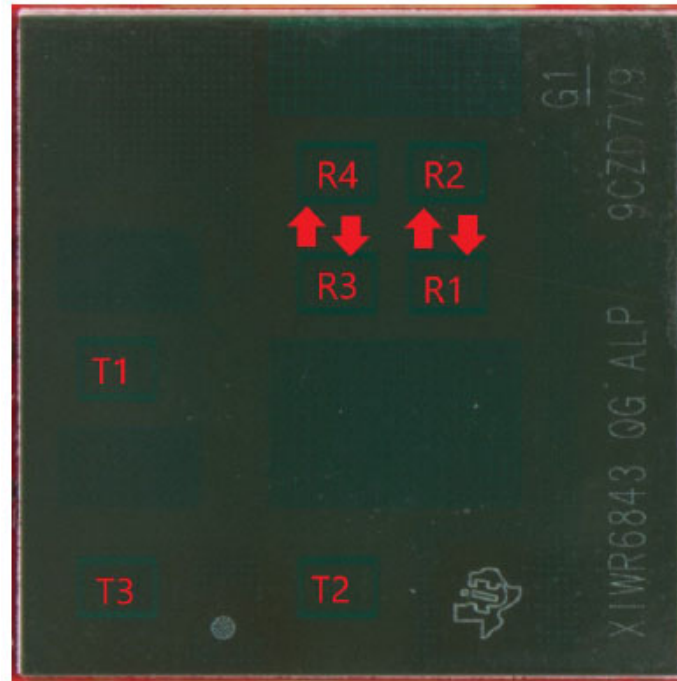


Figure 2. Antenna Picture

# TI AWR6843AOP (Antenna On-Package)

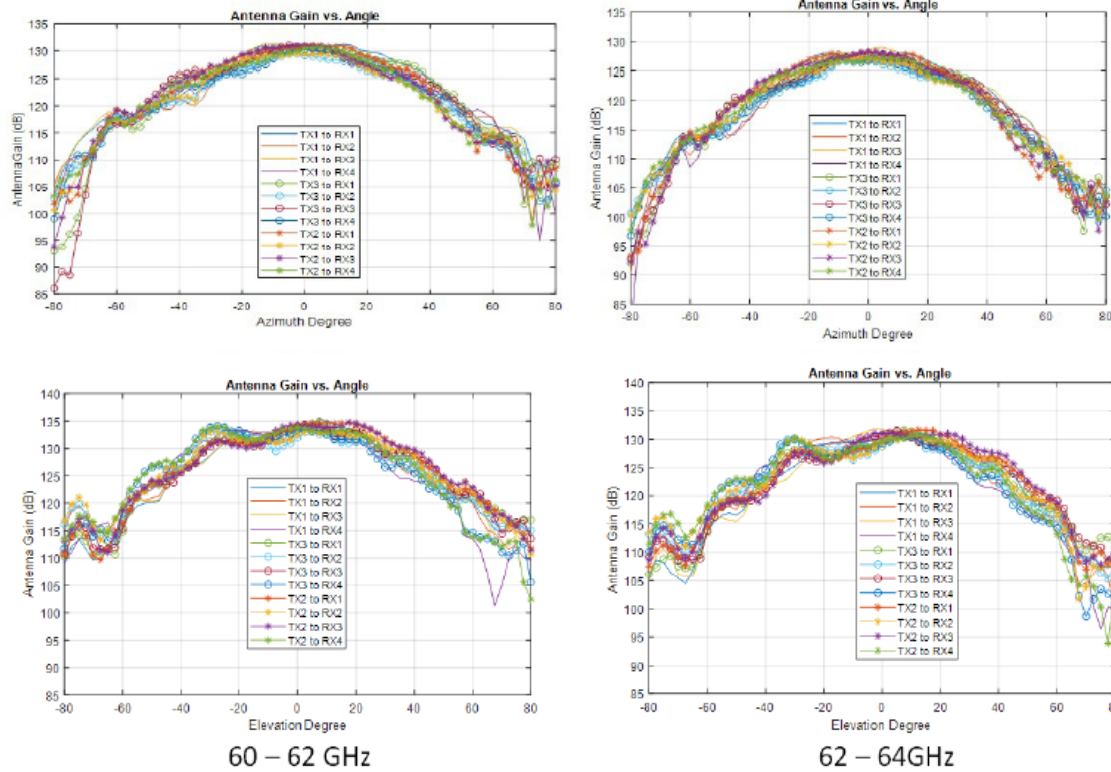
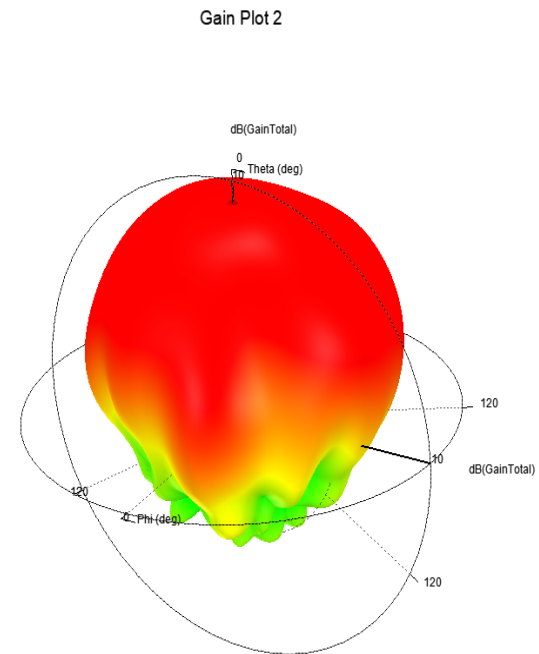
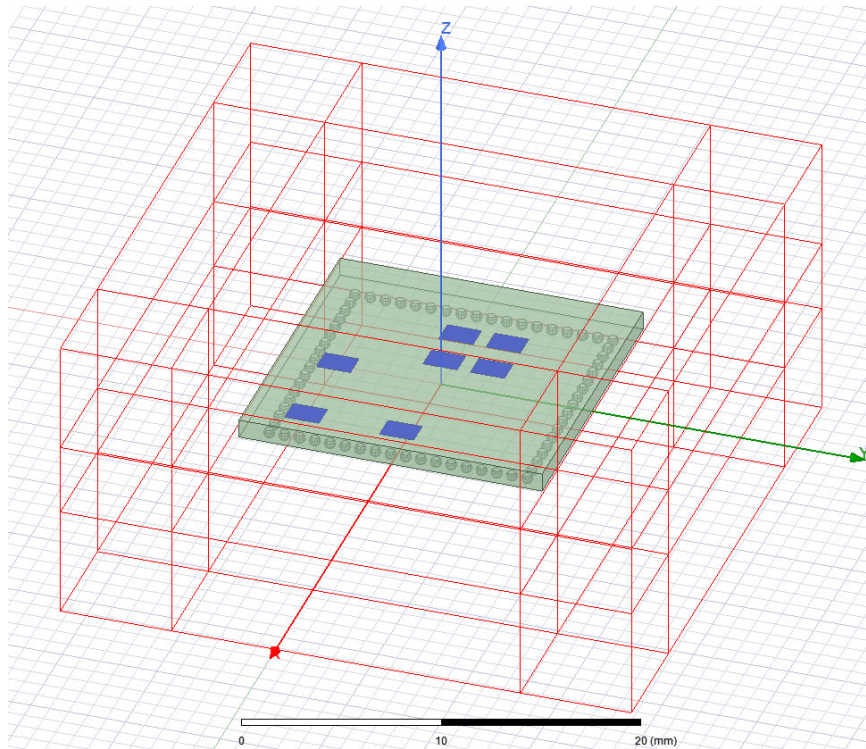


Figure 3. Antenna Radiation pattern

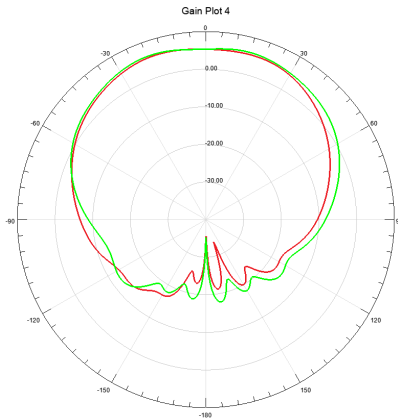
# Simulation

- Analysis HFSS Encrypted

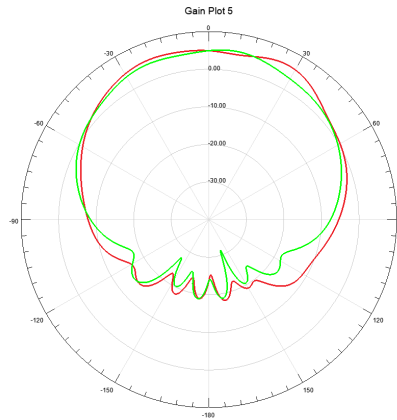


# RX, TX Radiation Pattern

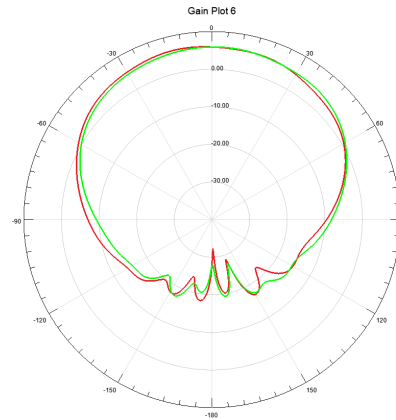
RX1



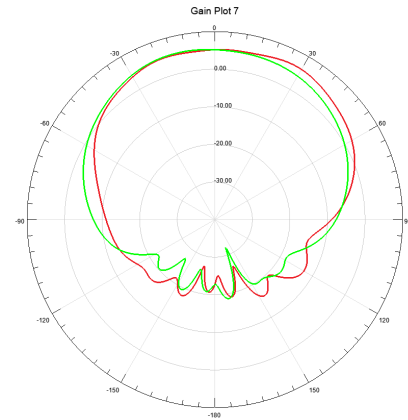
RX2



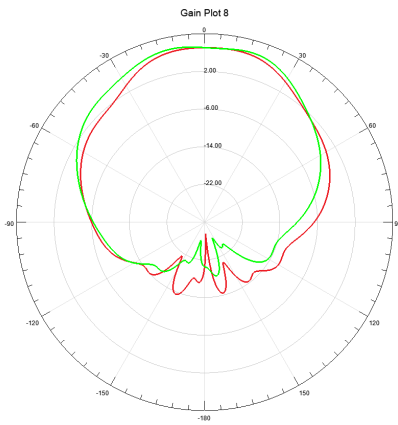
RX3



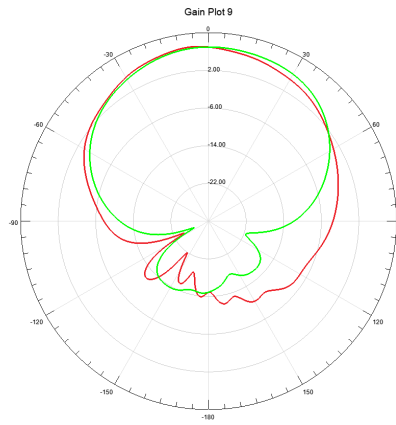
RX4



TX1



TX2



TX3

