



Antenna Report

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1) Antenna direction diagram

1.1) RX antenna direction diagram

The antenna pattern results are as follows:

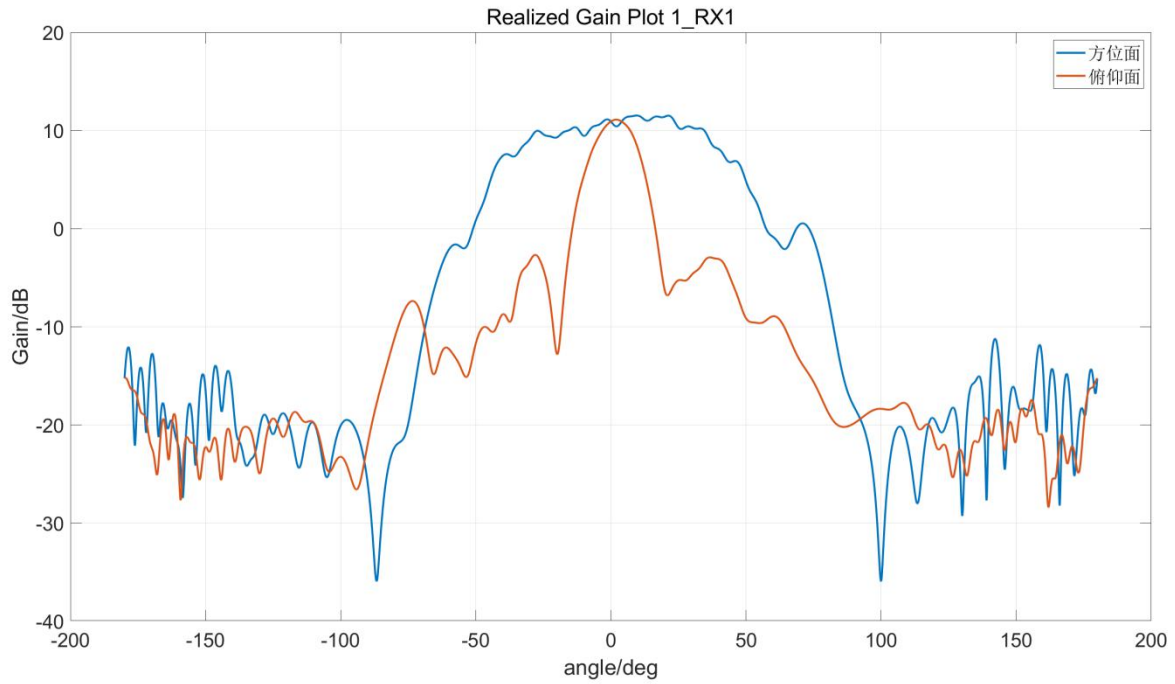


Figure 1.1 RX1 directional diagram

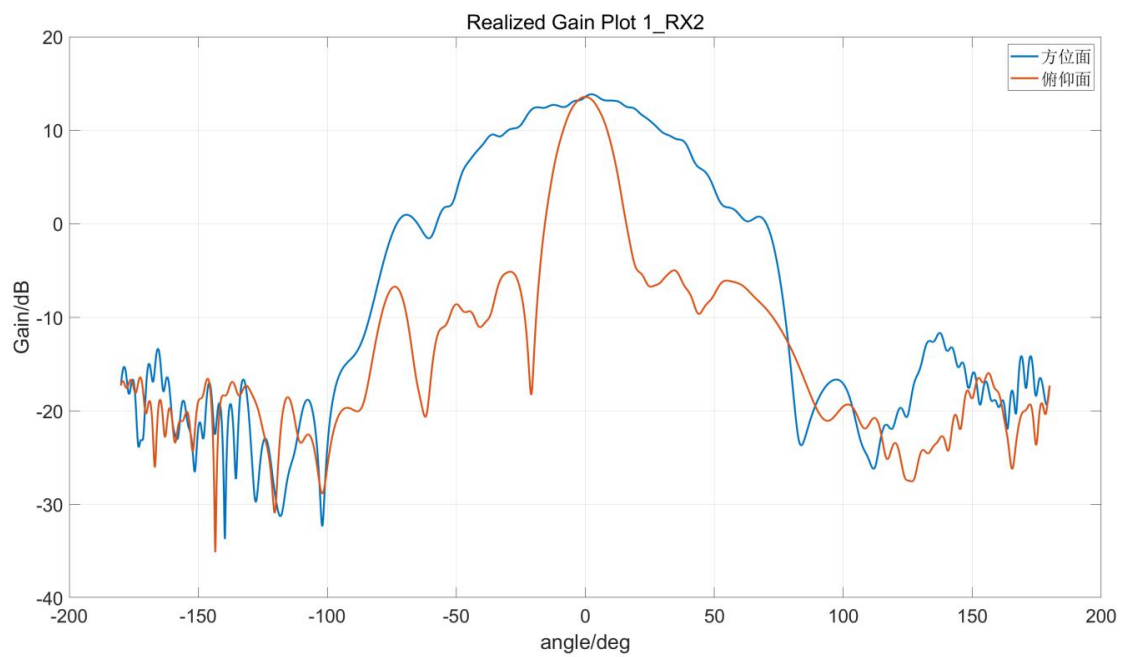


Figure 1.2 RX2directional diagram

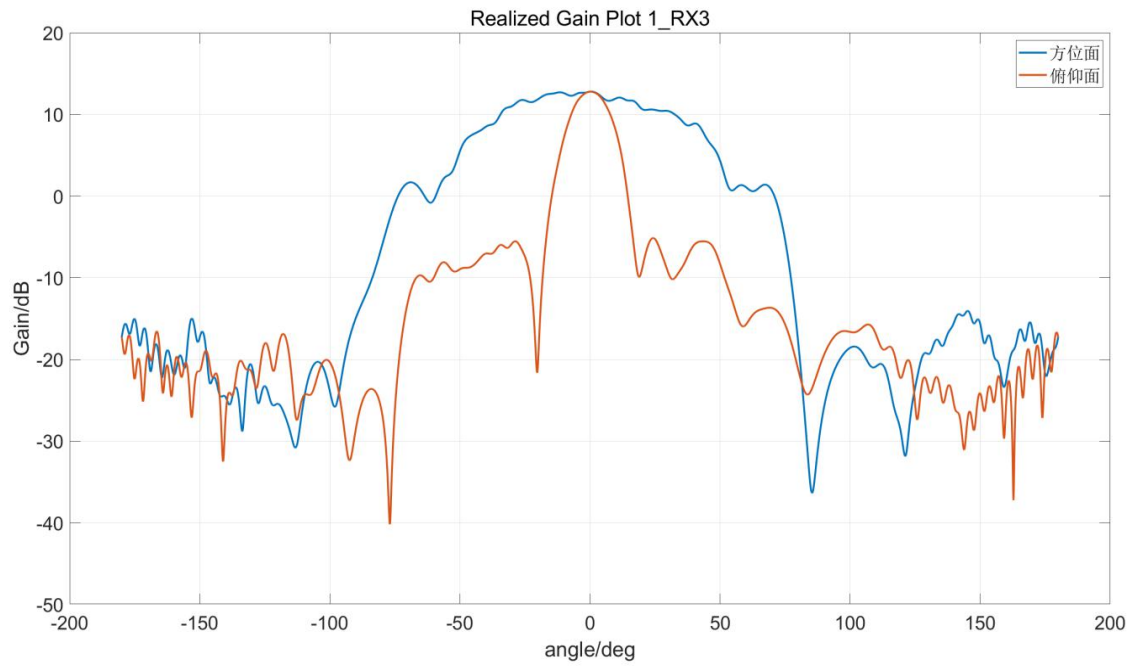


Figure1.3 RX3 directional diagram

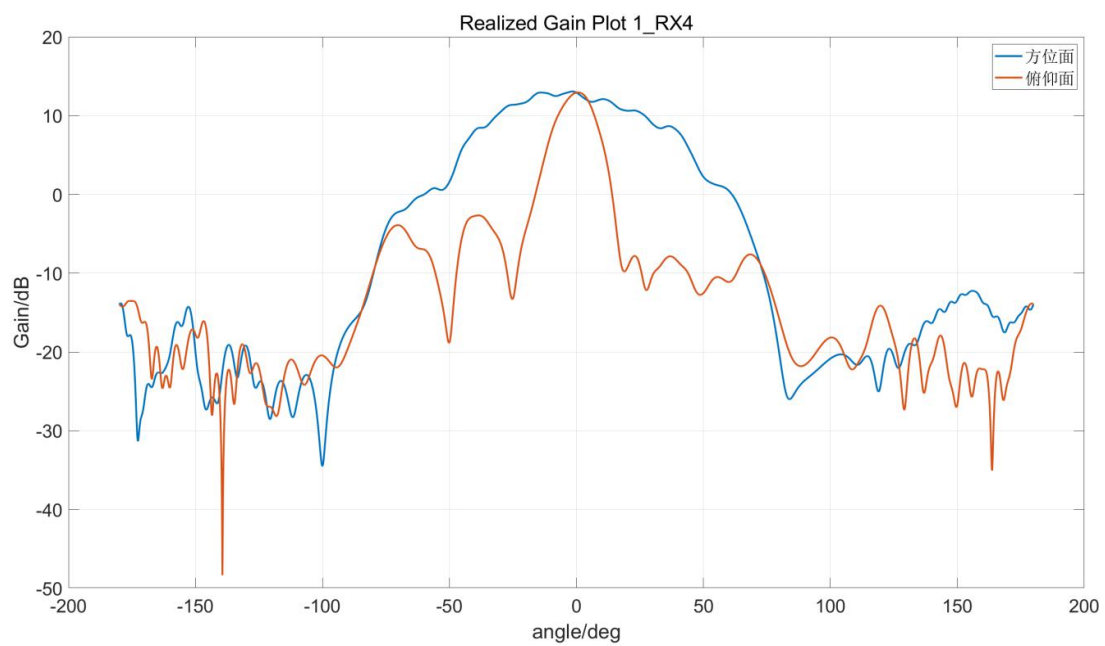


Figure1.4 RX4 directional diagram

	Maximum gain of pitch surface	Pitch surface 6dB wave width	Pitch side lobe level	Azimuth plane 6dB wave width
RX1	11.1dB	23.2°	-13.7dB	94°
RX2	13.5dB	21.9°	-18.7dB	83.6°
RX3	12.8dB	21.4°	-18.2dB	93.7°
RX4	13dB	20.7°	-15.6dB	85.2°

1.2) TX antenna direction diagram

The antenna pattern results are as follows:

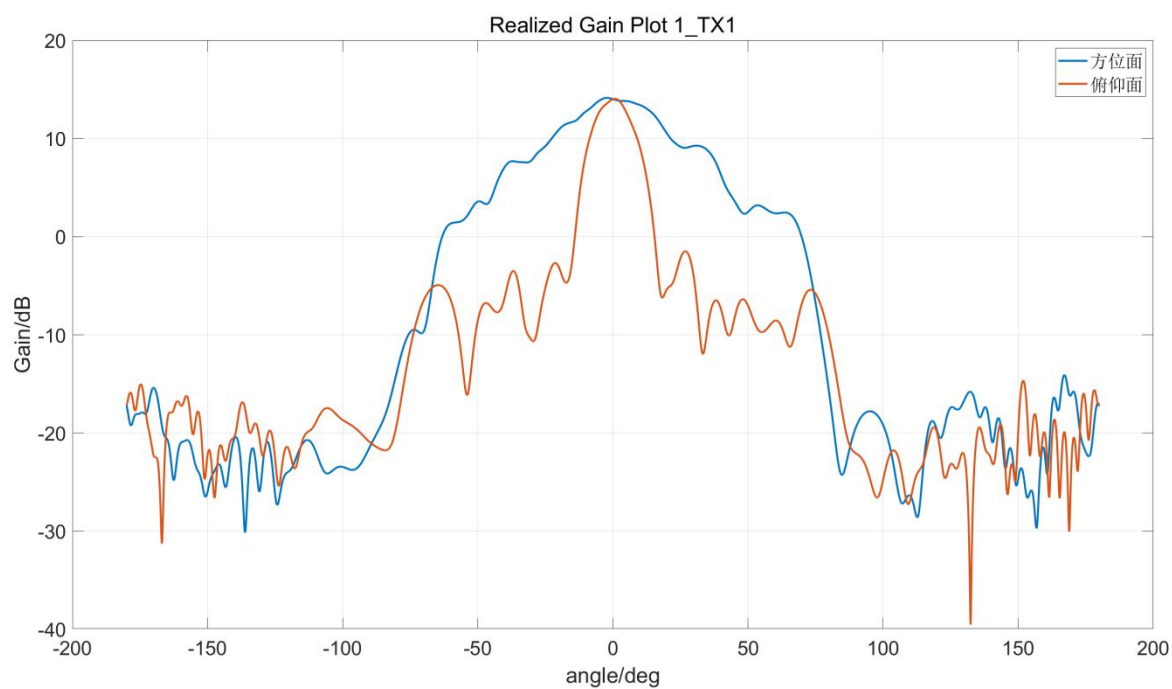


Figure1.5 TX1 directional diagram

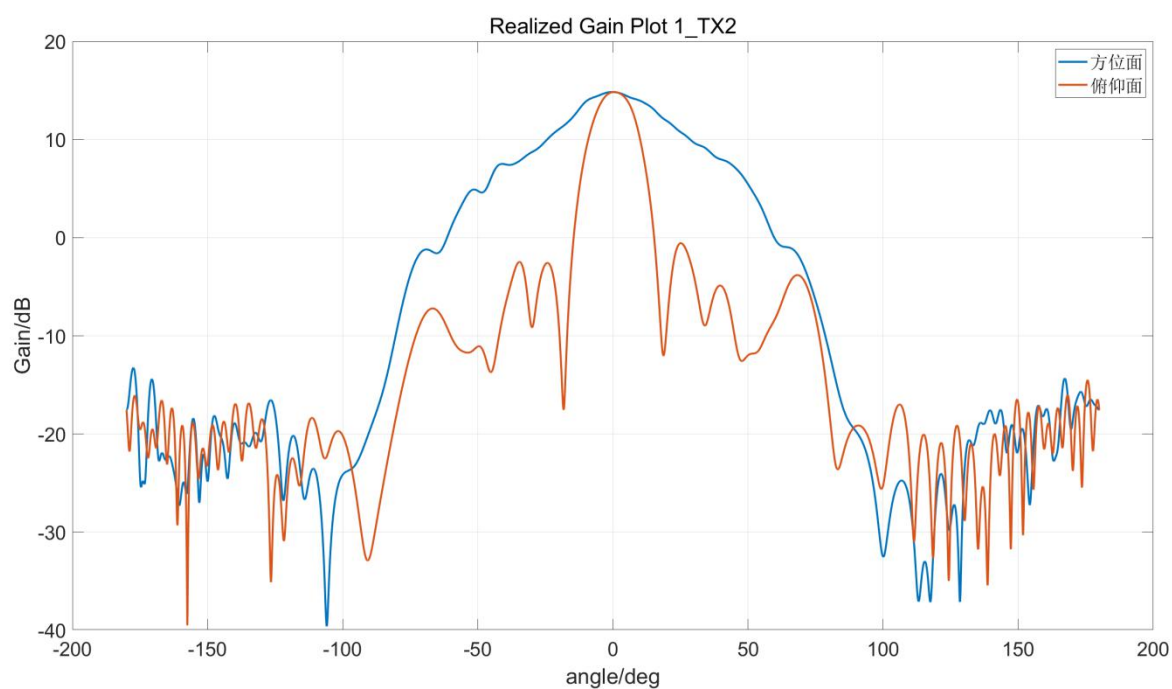


Figure1.6 TX2 directional diagram

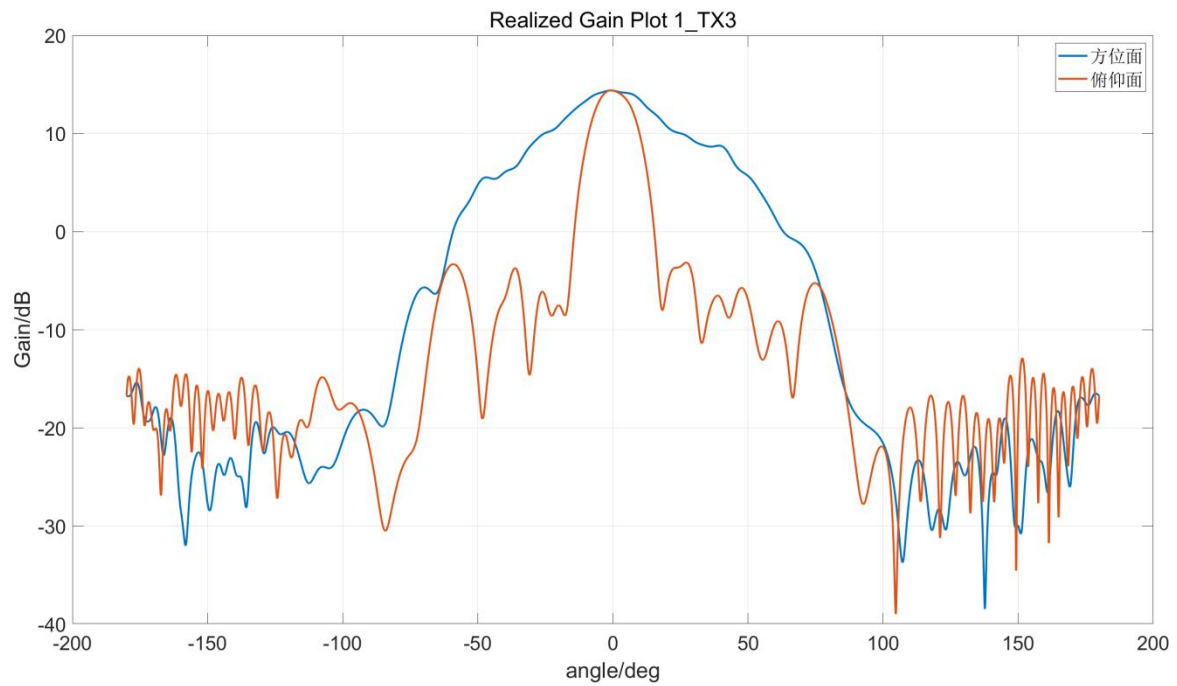


Figure1.7 TX3 directional diagram

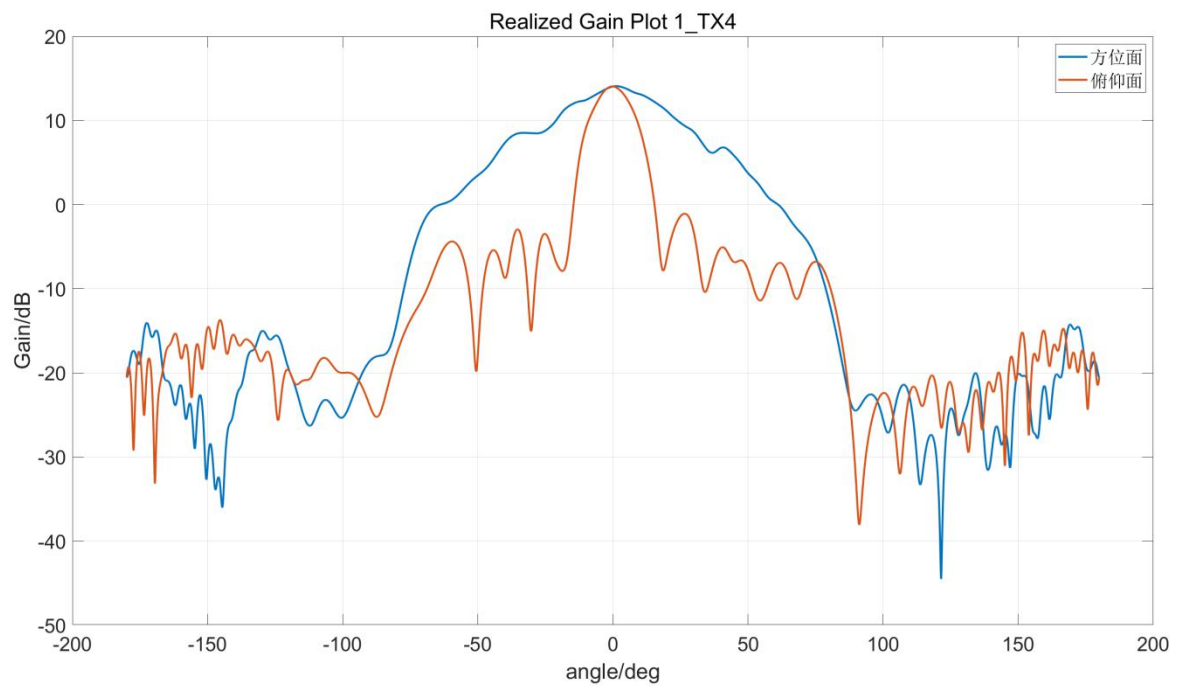


Figure1.8 TX4 directional diagram

	Maximum gain of pitch surface	Pitch surface 6dB wave width	Pitch side lobe level	Azimuth plane 6dB wave width
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TX1	14dB	21.3°	-15.5dB	66.6°
TX2	14.8dB	21°	-15.4dB	65°
TX3	14.4dB	21.5°	-17.5dB	73°
TX4	14dB	21.7°	-15.1dB	69.5°