A plane E&M wave is generated by shaking a sheet of charge up and down. At the time shown, the sheet is moving

1. Up
2. Down
3. The sheet is not moving at this time
4. Don't Have A Clue
At the time shown the charge on the top half of our ¼ wave antenna is positive and at its maximum value. At this time:

1. The current across the spark gap is about zero.
2. The current across the spark gap is maximum and downward.
3. The current across the spark gap is maximum and upward.
4. Can’t tell from the information given.
When located as shown, our receiving antenna sees maximum power when oriented such that

1. Its straight portion is parallel to the straight portion of the transmitter
2. Its straight portion is perpendicular to the straight portion of the transmitter
3. Don’t have a clue.
As we move our receiving antenna around the spark gap transmitting antenna in the manner shown in the figure, we will see
1. Increased received power at position B as compared to position A
2. Decreased received power at position B as compared to position A
3. No change in received power when the receiver is at position B as compared to position A
4. Don’t have a clue.