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(54) **METHOD AND SYSTEM FOR MOBILE DEVICE SIGNAL TO INTERFERENCE PLUS NOISE RATIO (SINR) IMPROVEMENT VIA POLARIZATION ADJUSTING/OPTIMIZATION**

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(57) **ABSTRACT**

Aspects of the subject disclosure may include an adaptive antenna system with beamforming and signal polarization adjusting capabilities that improve or enhance signal to noise ratio in relation to various user effects, including specific anthropomorphic mannequin (SAM) head and personal digital assistants (PDA) hand (talk mode), PDA hand (data mode), and dual hands (read mode). Other embodiments are disclosed.