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Figure 1. The structure of the proposed model.



$$N_D$$
$$h_{min}$$
$$\begin{matrix} ? \\ ? \\ ? \\ \dot{Q} \\ r_a^a \\ [0, 2\pi) \end{matrix}$$
$$d_j = \sqrt{D_j^2 + h_j^2}$$
$$\frac{1}{j} \sum_{j=1}^N$$
$$\dot{N}_D$$
$$h_j = h_{min} + \omega \frac{j}{N_D}$$
$$j_{\omega_0}^{\text{NL}} >$$
$$\begin{matrix} Q \\ J \\ f_{d_j}(w) \\ d_j \\ ? \\ ? \\ \vdots \end{matrix}$$
$$f_{d_j}(w) = \frac{2w}{r_a^2},$$
$$\frac{L_{m,j}}{w} \leq$$
$$\frac{\bar{L}_{p,j}}{\bar{L}_{m,j}} =$$
$$L_{p,j} = \frac{h_j}{\sqrt{h_j^2 + r_a^2}}$$
$$\bigvee_j f_{d_j}(w)$$
$$R_{j,l}$$
$$l \in \{1, 2\}$$
$$\frac{\tilde{R}_{j,l}}{l}.$$
$$J(SINR_{j,l})$$
$$SINR_{j,l} = \frac{P_r a_j d_j^{-L} |R_{j,l}|^2}{1 + P_r d_j^{-L} |R_{j,l}|^2 \sum_{i=1}^{j-1} a_i} \quad (2)$$