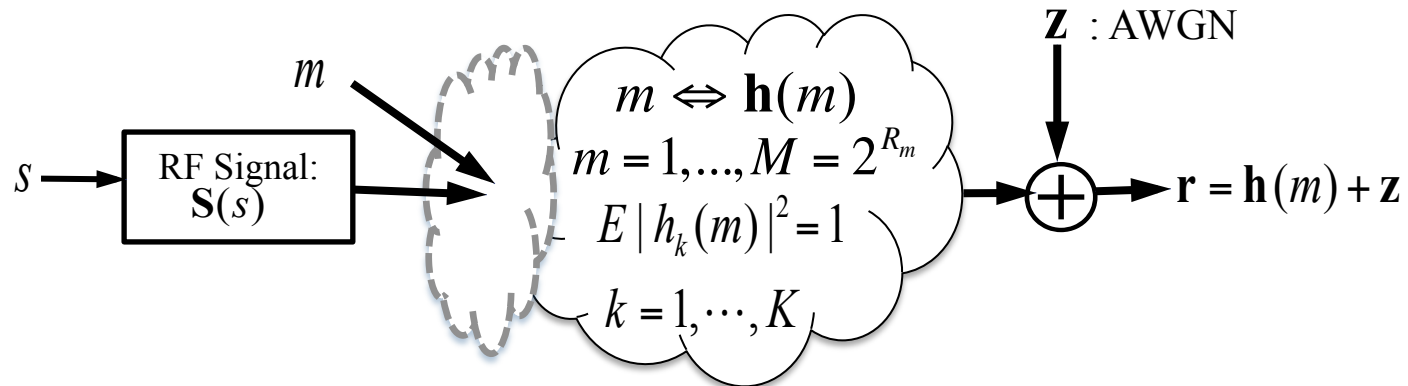


m : MBM message, $m \in \{1, \dots, 2^{R_m}\}$

s : SBM message, $s \in \{1, \dots, 2^{R_s}\}$

$$R = R_m + R_s$$



$\mathbf{S}(s)$, specifies the combination
of Baseband and RF modulation