Abstract

In this study channel estimation and error recovery schemes to support self-healing Multi Input Multi Output transmitter and receiver architecture is proposed. The paper can coexist with existing Automatic modulation Identification hardware module. This technique is used for interference identification and source identification of received signal. The Decision theoretic approach uses the likelihood function where probabilistic and hypothesis-testing arguments to formulate the recognition problem at the output of the channel and accordingly classification are performed. The merits of the proposed approach are its lesser computational complexity, ease in implementation and robustness to model mismatch.

References

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