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Coverage Report:

1. Tx-Interface Coverage:

The screenshot displays the IMC 64b Analysis Center interface. The top toolbar includes various icons for Assertions, Context, Source Map, Item, Show, Freeze, Exclude, and Refinement. The main window is divided into several panes. The left pane shows a tree view of assertions for the functional item 'inst_htax_tx_intf[1]'. The middle pane displays a table of assertions with columns for Name, Overall Average Grade, Assertion Status Grade, and Enclosing Entity. The right pane shows the source code for the 'htax_tx_interface' module, with a specific assertion highlighted. The bottom pane shows the attributes for the selected assertion, including Actual Proof Bound, Assertion Average Grade, and Assertion Combined Average Grade.

Name	Overall Average Grade	Assertion Status Grade	Enclosing Entity
assert_valid_packet_transfer	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_sot_only_after_previous_tx_e...	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_release_gnt_check_tx_eot	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_eot_asserted_for_one_cycle	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_eot_without_tx_vc_gnt	100%	100%	top.inst_htax_tx_intf[1]
assert_no_tx_sot_without_previous_tx...	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_vc_gnt_subset_vc_request	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_req_without_tx_output_req	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_output_req_without_tx_vc_req	100%	100%	top.inst_htax_tx_intf[1]
assert_tx_output_req_one_hot	100%	100%	top.inst_htax_tx_intf[1]

2. Rx-Interface Coverage:

The screenshot displays the IMC 64b Analysis Center interface. The top toolbar includes various icons for Assertions, Context, Source Map, Item, Show, Freeze, Exclude, and Refinement. The main window is divided into several panes. The left pane shows a tree view of assertions for the functional item 'inst_htax_rx_intf[1]'. The middle pane displays a table of assertions with columns for Name, Overall Average Grade, Assertion Status Grade, and Enclosing Entity. The right pane shows the source code for the 'htax_rx_interface' module, with a specific assertion highlighted. The bottom pane shows the attributes for the selected assertion, including Actual Proof Bound, Assertion Average Grade, and Assertion Combined Average Grade.

Name	Overall Average Grade	Assertion Status Grade	Enclosing Entity
assert_rx_vc_gnt_for_corresponding_r...	100%	100%	top.inst_htax_rx_intf[1]