

Total Items	58
Pass Items	54
Fail Items	4
NY Items	0

Section	Main Title	Description	Testname	Priority	Method	Owner	Status	Milestone	Remark
1	Half duplex - Transmit only								
1.1	Baud rate test								
1.1.1	Commond baud rate	Commond baud rate with value: 4800	half_trans_baud_4800_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.1.2	Commond baud rate	Commond baud rate with value: 9600	half_trans_baud_9600_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.1.3	Commond baud rate	Commond baud rate with value: 19200	half_trans_baud_19200_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.1.4	Commond baud rate	Commond baud rate with value: 57600	half_trans_baud_57600_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.1.5	Commond baud rate	Commond baud rate with value: 115200	half_trans_baud_115200_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.1.6	Random baud rate	Randomize baud rate within valid range (1 -> 115200)	half_trans_baud_random_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
1.2	Data bits transmit								
1.2.1	Transmit 5 bits data	Transmit: 5 bits data, random parity, random stop bit	half_trans_5_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.2.2	Transmit 6 bits data	Transmit: 6 bits data, random parity, random stop bit	half_trans_6_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.2.3	Transmit 7 bits data	Transmit: 7 bits data, random parity, random stop bit	half_trans_7_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.2.4	Transmit 8 bits data	Transmit: 8 bits data, random parity, random stop bit	half_trans_8_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.2.5	Transmit 9 bits data	Transmit: 9 bits data, no parity, random stop bit	half_trans_9_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.3	Parity								
1.3.1	NONE	Random data	half_trans_parity_none_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.3.2	ODD	Transmit data with odd number bit 1	half_trans_parity_1_odd_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.3.3	ODD	Transmit data with odd number bit 0	half_trans_parity_0_odd_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.3.4	EVEN	Transmit data with even number bit 1	half_trans_parity_1_even_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.3.5	EVEN	Transmit data with even number bit 0	half_trans_parity_0_even_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.4	Stop bit								
1.4.1	1 stop bit	Transmit 1 stop bit	half_trans_stop_1_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
1.4.2	2 stop bit	Transmit 2 stop bit	half_trans_stop_2_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2	Half duplex - Received only								
2.1	Baud rate test								
2.1.1	Commond baud rate	Commond baud rate with value: 4800	half_rcv_baud_4800_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.1.2	Commond baud rate	Commond baud rate with value: 9600	half_rcv_baud_9600_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.1.3	Commond baud rate	Commond baud rate with value: 19200	half_rcv_baud_19200_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.1.4	Commond baud rate	Commond baud rate with value: 57600	half_rcv_baud_57600_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.1.5	Commond baud rate	Commond baud rate with value: 115200	half_rcv_baud_115200_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.1.6	Random baud rate	Randomize baud rate within valid range (1 -> 115200)	half_rcv_baud_random_test	High	Directed	Nguyen Vy	PASSED	30/10/2025	
2.2	Data bits transmit								
2.2.1	Transmit 5 bits data	Transmit: 5 bits data, random parity, random stop bit	half_rcv_5_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.2.2	Transmit 6 bits data	Transmit: 6 bits data, random parity, random stop bit	half_rcv_6_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.2.3	Transmit 7 bits data	Transmit: 7 bits data, random parity, random stop bit	half_rcv_7_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.2.4	Transmit 8 bits data	Transmit: 8 bits data, random parity, random stop bit	half_rcv_8_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.2.5	Transmit 9 bits data	Transmit: 9 bits data, no parity, random stop bit	half_rcv_9_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.3	Parity								
2.3.1	NONE	Random data	half_rcv_parity_none_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.3.2	ODD	Transmit data with odd number bit 1	half_rcv_parity_1_odd_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.3.3	ODD	Transmit data with odd number bit 0	half_rcv_parity_0_odd_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.3.4	EVEN	Transmit data with even number bit 1	half_rcv_parity_1_even_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.3.5	EVEN	Transmit data with even number bit 0	half_rcv_parity_0_even_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.4	Stop bit								
2.4.1	1 stop bit	Transmit 1 stop bit	half_rcv_stop_1_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
2.4.2	2 stop bit	Transmit 2 stop bit	half_rcv_stop_2_bit_test	High	Directed	Nguyen Vy	PASSED	2/11/2025	
3	Full duplex								
3.1	Baud rate test								
3.1.1	Commond baud rate	Commond baud rate with value: 4800	full_baud_4800_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.1.2	Commond baud rate	Commond baud rate with value: 9600	full_baud_9600_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.1.3	Commond baud rate	Commond baud rate with value: 19200	full_baud_19200_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.1.4	Commond baud rate	Commond baud rate with value: 57600	full_baud_57600_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.1.5	Commond baud rate	Commond baud rate with value: 115200	full_baud_115200_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.1.6	Random baud rate	Randomize baud rate within valid range (1 -> 115200)	full_baud_random_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.2	Data bits transmit								
3.2.1	Transmit 5 bits data	Transmit: 5 bits data, random parity, random stop bit	full_data_5_bit_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.2.2	Transmit 6 bits data	Transmit: 6 bits data, random parity, random stop bit	full_data_6_bit_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.2.3	Transmit 7 bits data	Transmit: 7 bits data, random parity, random stop bit	full_data_7_bit_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.2.4	Transmit 8 bits data	Transmit: 8 bits data, random parity, random stop bit	full_data_8_bit_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.2.5	Transmit 9 bits data	Transmit: 9 bits data, no parity, random stop bit	full_data_9_bit_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.3	Parity								
3.3.1	NONE	Random data	full_parity_none_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.3.2	ODD	Transmit data with odd number bit 1	full_parity_1_odd_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.3.3	ODD	Transmit data with odd number bit 0	full_parity_0_odd_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.3.4	EVEN	Transmit data with even number bit 1	full_parity_1_even_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.3.5	EVEN	Transmit data with even number bit 0	full_parity_0_even_test	High	Directed	Nguyen Vy	PASSED	4/11/2025	
3.4	Stop bit								
3.4.1	1 stop bit	Transmit 1 stop bit	full_stop_1_bit_test	High	Directed	Nguyen Vy	PASSED	6/11/2025	
3.4.2	2 stop bit	Transmit 2 stop bit	full_stop_2_bit_test	High	Directed	Nguyen Vy	PASSED	6/11/2025	
3.5	Error								
3.5.1	Stop bit error	Mismatch stop bit	error_stop_bit_test	High	Directed	Nguyen Vy	FAILED	6/11/2025	This testcase was created to check for errors when the tx signal and the rx signal was configured differently. So it must FAILED TEST
3.5.2	Parity bit error	Mismatch parity bit	error_parity_bit_test	High	Directed	Nguyen Vy	FAILED	6/11/2025	This testcase was created to check for errors when the tx signal and the rx signal was configured differently. So it must FAILED TEST
3.5.3	Baud rate error	Different baud rate TX and RX	error_baud_test	High	Directed	Nguyen Vy	FAILED	6/11/2025	This testcase was created to check for errors when the tx signal and the rx signal was configured differently. So it must FAILED TEST
3.5.4	Data frame error	Error any bit (data, parity, stop bit)	error_data_bit_test	High	Directed	Nguyen Vy	FAILED	6/11/2025	This testcase was created to check for errors when the tx signal and the rx signal was configured differently. So it must FAILED TEST