VSI Waveform Specifications

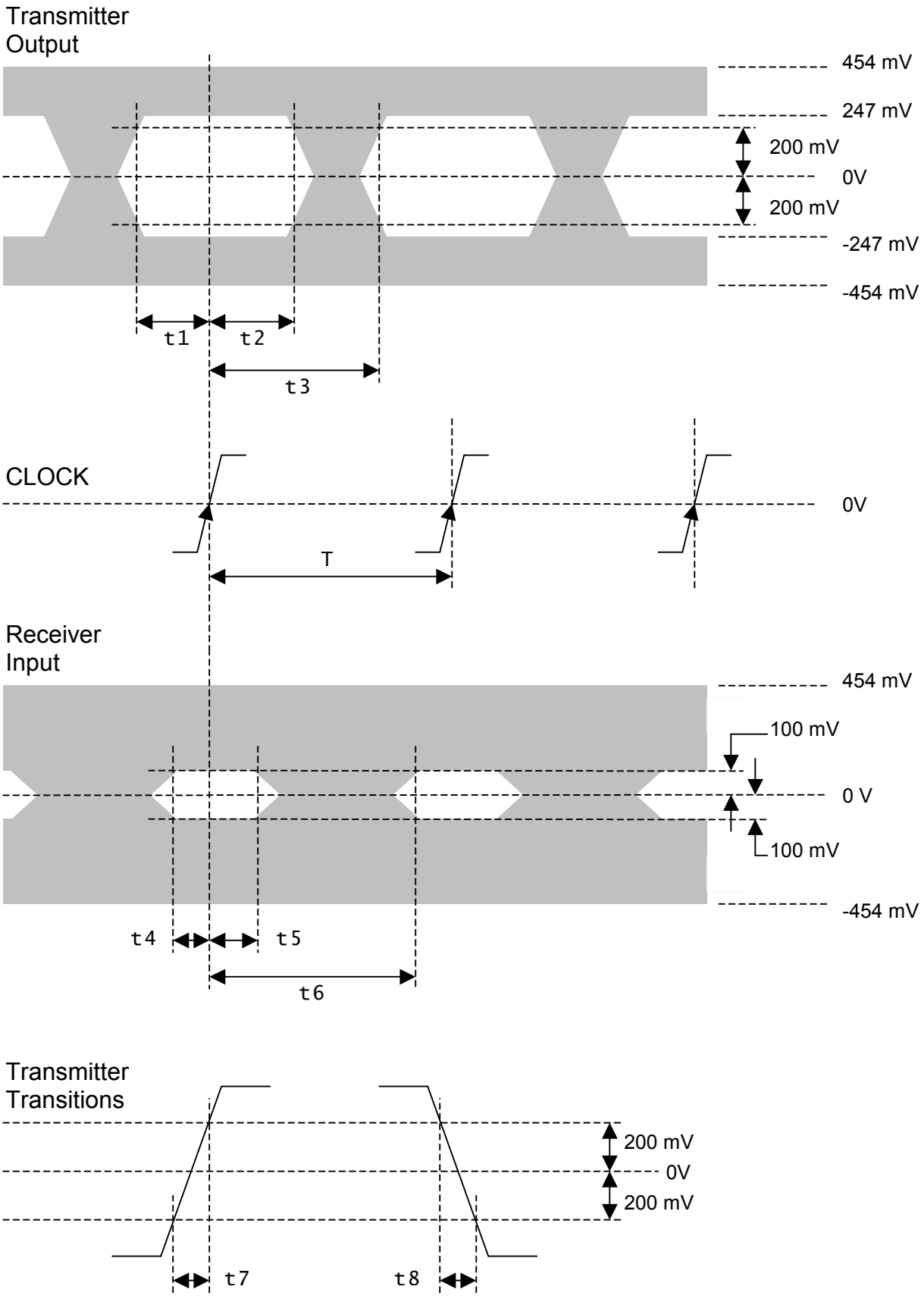

Figure W1 : Amplitude Specifications and Timing Parameter Definitions

Param	Spec	32MHz	64MHz	128MHz
T	1/CLOCK	31.3	15.6	7.8
t1	0.3T	9.4	4.7	2.3
t2	0.35T	10.9	5.5	2.7
t3	T-t1	21.9	10.9	5.5
t4	0.15T	4.7	2.3	1.2
t5	0.2T	6.3	3.1	1.6
t6	T-t4	26.6	13.3	6.6
t7,t8	min	0.25	0.25	0.25
t7,t8	max	2.5	2.5	2.5

Table W1 : Timing Specifications and Values at Rated Frequencies

Notes

1. All waveforms are net differential voltages.
2. The timing reference for all measurements is the positive zero crossing of CLOCK monitored at the same point in the interface.
3. For the purposes of qualification all lines should be actively driven with their normal signals. Any unallocated lines should be paired up with a BS_n.
4. The amplitude and transmitter transition time specifications apply to all waveforms on the Interface.
5. The full set of timing specifications apply to all BS_n and xPPS signals and the trailing edge of CLOCK.
6. If a secondary clocked data stream is transmitted on the unallocated lines then it will be subject to the same specifications.