

Comment #30

Table 130A-1—5GSEI host output characteristics

Parameter	Subclause reference	Value	Units
Signaling rate per lane (range)		5.15625 ± 100 ppm	GBd
DC common-mode output voltage (max.)		1.9	V
AC common-mode output voltage (max, RMS)		30	mV
Differential peak-to-peak output voltage (max) Transmitter disabled Transmitter enabled		35 1200	mV mV
Differential output return loss (min.)		See Equation (130A-2)	dB
Output waveform Transmitter steady-state voltage, vf (max.) Transmitter steady-state voltage, vf (min.) Linear fit pulse peak (min) Pre-cursor ratio		600 285 $0.41 \times vf$ 1.25	mV mV mV -
Max output jitter (peak-to-peak) Random jitter Deterministic jitter Duty Cycle Distortion Total jitter		0.15 0.12 0.035 0.3	UI UI UI UI
Signal-to-noise-and-distortion ratio (min)		16	dB

Signaling rate:	130A.3.1.1
DC common-mode output voltage (max):	130A.3.1.2
AC common-mode output voltage (max, RMS):	130A.3.1.2
Differential peak-to-peak output voltage (max)	
Transmitter disabled:	130A.3.1.2
Transmitter enabled:	130A.3.1.2
Differential output return loss (min):	130A.3.1.3
Output waveform	
Transmitter steady-state voltage, vf (max):	130A.3.1.4.2
Transmitter steady-state voltage, vf (min):	130A.3.1.4.2
Linear fir pulse peak (min):	130A.3.1.4.2
Pre-cursor ratio:	130A.3.1.4
Max output jitter (peak-to-peak)	
Random jitter:	130A.3.1.6
Deterministic jitter:	130A.3.1.6
Duty Cycle Distortion:	130A.3.1.6
Total jitter:	130A.3.1.6
Signal-to-noise-and-distortion ratio (min):	130A.3.1.7