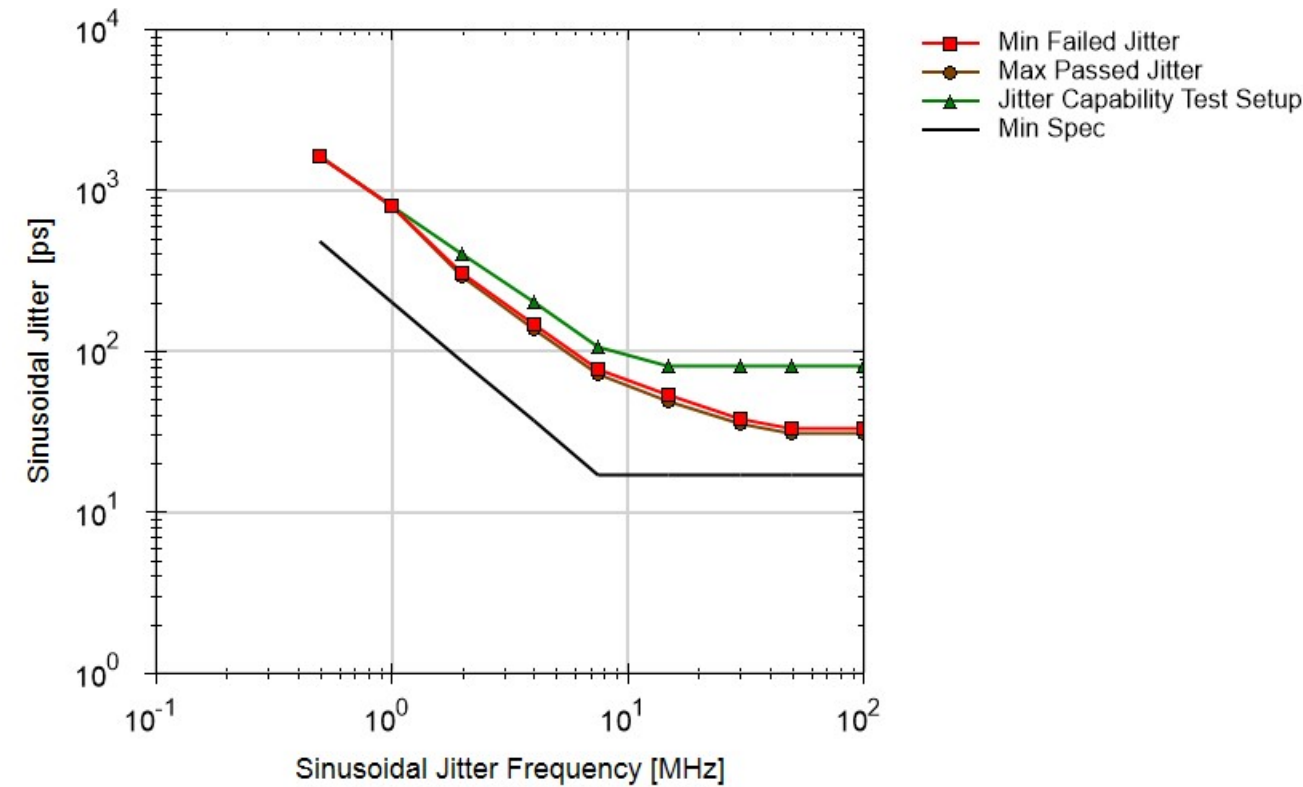


Product Number: USB USB Station Unknown User 26/05/2021 00:52:27

Rx1_10G_JToI

for USB3.1 Host with Type-C Connector



Specification	Electrical Compliance Test Specification Enhanced SuperSpeed USB 1.0
Test Properties:	
Type-C Fixture	USB_IF
CLB Trace Length	5.6
Eye-Height	72.26 mV
Eye-Width	48.43 ps
Pre-Shoot	2.2 dB
De-Emphasis	-3.1 dB
Differential Voltage	831.9 mV
Random Jitter	1 ps
Second Tone SJ for Eye-Width Adjustment	1.66 ps
Offline	False
SSC Deviation	5000 ppm
Train with Jitter	False
Retrain at each Jitter Frequency	False
Target BER	100E-12
Relax time for BER Measurement	1 s
Allowed Errors	1
Frequency mode	Compliance Frequencies
Use fixed number of steps	False
Show min failed points	True
J-BERT Generator	M1.DataOut1
J-BERT Error Detector	M1.DataIn1
Use Voltage Settings from Rx Tests for Loopback Training	True
Loopback Training Method	PowerOnReset
CDR during Loopback Training	False
LFPS Idle	M8020A Idle
LFPS Trigger Threshold	50 mV
Power On Reset Link Training Suite	C:\ProgramData\BitifEye\ValiFrame\Settings\USB\USB31_M8020A_RxPowerOnReset_Coffee_Lake.txt

Settings File
CDR Loopbandwidth 15 MHz
CDR Transition Density 50 %
CDR Peaking 1 dB
Analyzer CTLE USB 10Gb/s -3dB
Input Sensitivity High
Auto-align Timeout 60 s
Error Detector Operation Mode Differential
Input Polarity inverted False
Power Automation Manual

Result	Sinusoidal Jitter Frequency [MHz]	Min Failed Jitter [ps]	Max Passed Jitter [ps]	Jitter Capability Test Setup [ps]	Min Spec [ps]	Margin [%]
pass	0.500	1600.0	1600.0	1600.0	476.0	236.1
pass	1.000	800.0	800.0	800.0	202.9	294.4
pass	2.000	307.0	287.0	400.0	86.5	232.0
pass	4.000	147.0	137.0	200.0	36.8	271.8
pass	7.500	77.0	72.0	106.7	17.0	323.5
pass	15.000	53.0	49.0	80.0	17.0	188.2
pass	30.000	38.0	35.0	80.0	17.0	105.9
pass	50.000	33.0	31.0	80.0	17.0	82.4
pass	100.000	33.0	31.0	80.0	17.0	82.4