National Enhance Technology Corp.

Performance Test Report

Model No.: NV-450M & NV-450S

Model Name: G.fast Master & Slave Modem

Test By: Johnny
Approval By: Blake
Test Date: Feb. 17, 2020
Test conditions :

Test Items	Description
G.fast Master Modem x 1	H/W version : PCB:C.2 F/W version: B.4.6
G.fast Slave Modem x 1	H/W version : PCB:C.2 F/W version: B.4.6
Operation System	(PC)Windows XP Professional 2002 Service Peck3 Intel(R)Core(TM) i5-4590 CPU 3.3GHZ 3GB RAM
Browser	Chrome (ver 49.0.2623.112)
Ethernet Cable	Cat 5e Ethernet Cable
Phone Wire	24 AWG + Simulator card
Power Supply	Sky Power ZZU1588-200120-2T AC to DC Switching power supply O/P: 12Vdc/2A

Configuration : See Figure 1

Test Items
(1) G-fast 212a symmetric (2) G-fast 212a asymmetric (3) G-fast 106a symmetric (4) G-fast 106a asymmetric

Performance Result:

(1) G-fast 212a symmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	805.6	683.3
100	608.5	518.9
200	355.6	308.2
300	254.5	214.4
400	141.9	128.1
500	100.5	74.2
600	77.6	61.1

(2) G-fast 212a asymmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	1227.1	277.3
100	947.8	211.8
200	555.1	124.9
300	397.1	87.7
400	228.3	50.7

(3) G-fast 106a symmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	513.1	443.9
100	474.1	409.2
200	373.3	318.6
300	269.2	238.4
400	159.3	134.7
500	118.1	79.7
600	86.5	50.5

(4) G-fast 106a asymmetric

Distance (meters)	Down Stream [Mbps]	Up Stream [Mbps]
1.8	799.3	175.9
100	727.3	162.2
200	597.2	128.5
300	426.5	91.3
400	250.7	54.2
500	184.2	31.5
600	126.2	21.5

Note:

The performance data above is for reference only, the actual data rate will vary depending on the quality of the copper wire and environment factors.



Figure 1