



National Enhance Technology Corp.

Test Report

Model Number : NV-600L

Product Name : VDSL2 CO Router

Test Type : Performance test

Test by : Aska

Approval by : Blake

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◆ **Test Environments:**

Test Items	Descriptions
VDSL2 CO Router x 1	NV-600L
CPE Device	NV-600R/NV-600RI
Operation System	Windows XP
Ethernet Cable	Cat 5e. UTP RJ-45 8P8C Ethernet Cable
Loop Simulator	Simulator Card (24AWG)
Room temperature	25 degree C

◆ **Test conditions:**

Test Items	Descriptions
Noise injection	None
Tone mode	V43 (Default Value)
Max Interleave Delay	1 (Default Value)
Target SNRM	6 dB (Default Value)

◆ **Test Procedure:**

1. NV-600L connect to CPE Device.
2. Access the web management, then setting the band profile and band plan.
3. On the channel config page, it will show the US(Upstream) and DS(Downstream) information.
4. Gather the test data at interval of every 200 meter size as steps until the link can not be established.
5. Test the band profile and band plan from the profile setting table via web ui.

◆ Compatibility Table:

The following shows the band profile and band plan compatibility:

Band Profile List		Band Plan List	
A0	VDSL2 Profile8a	B0	Annex A M1_EU32
A1	VDSL2 Profile8b	B1	Annex A M9_EU64
A2	VDSL2 Profile8c	B2	Annex B 997-M2x-A (B05)
A3	VDSL2 Profile8d	B3	Annex B 997-M2x-M (B06)
A4	VDSL2 Profile12a	B4	Annex B 997-M1c-A-7 (B07)
A5	VDSL2 Profile12b	B5	Annex B 998-M1x-B (B08)
A6	VDSL2 Profile17a	B6	Annex B 998-M2x-A (B10)
A7	VDSL2 Profile30a	B7	Annex B 998-M2x-M (B11)
A8	VDSL2 Profile17b	B8	Annex B 998-M2x-B (B12)
		B9	Annex B 998-M2x-NUS0 (B13)
		B10	Annex C
		B11	Annex C_8K
		B12	Annex B 997-M2x-NUS0
		B13	Annex C 1M1
		B14	Annex C_8K 1M1
		B15	Annex B 998E17-M2x-A
		B16	Annex B 998E17-M2x-NUS0

NV-600L with NV-600R/NV-600RI Compatibility table:

The following table shows the band profile and band plan compatibility.

Band Plan \ Band Profile	B0	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16
A0 (8a)	O	O	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X
A1 (8b)	O	O	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X
A2 (8c)	X	X	O	X	O	X	X	O	X	X	X	X	X	X	X	X	X
A3 (8d)	O	O	O	X	O	O	O	O	O	X	X	X	X	X	X	X	X
A4 (12a)	O	O	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X
A5 (12b)	O	O	X	X	O	O	O	O	O	O	X	X	X	X	X	X	X
A6 (17a)	O	X	X	X	O	O	O	O	O	X	O	X	X	O	X	X	O
A7 (30a)	O	X	X	X	X	X	X	X	X	X	X	O	O	X	O	X	X
A8 (17b)	X	X	X	X	X	X	X	O	O	X	X	X	X	X	X	O	X

Note: O = Compatible; X = Not Compatible

◆ NV-600L with NV-600R/NV-600RI Performance table

■ NV-600L with NV-600R series (Profile : 8A)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	4.50	84.20
200	3.80	81.60
300	3.60	79.50
400	2.10	67.30
600	1.80	64.4
800	4.50	55.30
1000	1.00	49.30
1200	0.70	37.30
1400	0.60	31.70
1600	0.10	29.00
1800	0.10	25.30
2000	0.10	21.00
2100	0.10	18.90

Annex A M9_EU64		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.80	83.30
200	5.10	80.20
300	4.90	79.00
400	3.30	66.90
600	4.10	64.60
800	2.80	52.40
1000	2.00	45.10
1200	2.20	34.90
1400	1.40	25.90
1600	0.90	22.50
1800	0.80	18.10
2000	0.70	12.70
2100	0.70	11.60

Annex B 997 M2x-A (B05)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	23.10	56.70
200	20.40	55.20
300	17.80	53.80
400	13.70	45.80
600	12.20	43.20
800	7.20	37.50
1000	2.70	34.00
1200	1.80	28.80
1400	2.60	25.60
1600	0.10	24.20
1800	0.10	23.00
2000	0.10	19.00

Annex B 997 M2x-M (B06)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	26.20	56.60
200	21.60	54.60
300	22.00	52.60
400	15.40	45.10
600	13.1	42.20
800	7.80	36.60
1000	3.50	32.90
1200	2.90	27.60
1400	3.00	24.90
1600	1.00	19.70
1800	0.80	16.80
2000	0.60	13.00
2200	0.50	9.30

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	5.50	75.80
200	4.90	74.20
300	2.40	70.60
400	3.30	59.70
600	2.90	54.80
800	2.20	45.20
1000	1.60	38.50
1200	0.80	29.60
1400	0.40	29.50
1600	0.10	25.10
1800	0.10	22.30
2000	0.10	19.00

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.00	75.30
200	5.70	73.30
300	6.00	70.80
400	4.00	59.40
600	3.40	53.70
800	2.70	44.80
1000	2.20	38.30
1200	1.20	29.40
1400	1.10	24.30
1600	0.70	20.50
1800	0.60	16.10
2000	0.50	12.70
2100	0.50	11.90

■ NV-600L with NV-600R series (Profile : 8A)

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	4.90	80.40
200	4.40	78.90
300	4.00	76.10
400	2.20	64.60
600	3.00	62.00
800	1.60	51.30
1000	2.00	45.40
1200	0.90	35.40
1400	0.20	30.40
1600	0.10	27.00
1800	0.10	23.10
2000	0.10	21.90
2100	0.10	19.50

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.00	81.80
200	5.40	78.70
300	5.20	75.70
400	3.30	64.20
600	4.30	62.50
800	2.40	50.50
1000	2.10	42.70
1200	1.30	34.00
1400	1.50	26.60
1600	0.90	22.30
1800	0.90	17.90
2000	0.80	13.30
2100	0.80	12.00

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.80	81.70
200	5.10	78.70
300	5.00	76.40
400	3.10	64.20
600	2.70	59.60
800	2.10	50.50
1000	1.80	42.60
1200	1.30	33.80
1400	1.10	31.30
1600	0.70	22.60
1800	0.60	18.80
2000	0.50	12.80
2200	0.50	10.20

Notes:

- ◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
- ◆ 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.

■ NV-600L with NV-600R series (Profile : 8B)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	5.10	82.60
200	4.80	84.10
300	5.60	83.50
400	4.60	80.00
600	3.70	73.40
800	2.30	61.40
1000	1.60	52.20
1200	1.00	40.50
1400	0.70	31.30
1600	0.10	26.30
1700	0.10	25.10

Annex A M9_EU64		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.40	85.10
200	6.40	83.70
300	6.60	84.10
400	5.30	77.00
600	5.00	72.20
800	3.80	59.50
1000	3.60	43.60
1200	2.10	37.90
1400	0.90	25.10
1600	0.80	22.00
1800	0.70	18.0
2000	0.60	13.80
2100	0.50	12.20

Annex B 997 M2x-A (B05)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	21.50	58.40
200	25.00	59.10
300	23.50	58.40
400	22.10	55.60
600	21.50	51.80
800	11.70	43.40
1000	5.10	37.40
1200	3.40	31.20
1400	1.90	24.40

Annex B 997 M2x-M (B06)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	27.80	58.20
200	27.50	58.70
300	27.30	56.70
400	24.00	54.50
600	21.70	50.40
800	12.80	41.80
1000	6.50	36.90
1200	4.40	30.00
1400	2.90	24.80
1600	0.70	19.0
1800	0.70	16.70
2000	0.50	13.40
2100	0.50	11.90

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.20	84.80
200	6.80	85.60
300	6.40	83.30
400	6.60	80.40
600	6.00	70.30
800	5.40	60.50
1000	4.20	48.00
1200	1.60	35.70
1400	0.10	27.50
1600	0.10	25.30
1700	0.10	23.00

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	8.50	85.80
200	8.10	85.10
300	7.90	82.30
400	7.50	80.50
600	6.90	70.00
800	6.00	56.70
1000	5.00	46.40
1200	2.40	35.50
1400	0.70	24.10
1600	0.50	23.60
1800	0.40	16.30
2000	0.30	12.70
2100	0.30	11.70

■ **NV-600L with NV-600R series (Profile : 8B)**

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.80	85.00
200	6.20	86.00
300	5.10	83.40
400	5.30	80.00
600	5.10	71.30
800	2.10	50.40
1000	2.00	49.70
1200	1.50	38.80
1400	0.70	32.50
1600	0.10	27.00
1800	0.10	23.70

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.70	84.50
200	7.70	85.50
300	7.50	82.40
400	6.30	78.90
600	3.90	68.20
800	4.00	59.20
1000	1.60	45.40
1200	2.20	37.00
1400	1.40	31.10
1600	0.80	22.10
1800	0.70	17.90
2000	0.50	13.80
2100	0.50	12.40

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.60	84.00
200	7.20	85.50
300	6.90	83.60
400	5.90	78.00
600	5.60	75.50
800	3.90	59.00
1000	4.00	50.00
1200	2.00	37.10
1400	1.10	31.50
1600	0.60	22.20
1800	0.50	18.0
2000	0.40	14.00
2100	0.30	12.70

Notes:

- ◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
- ◆ 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.

■ NV-600L with NV-600R series (Profile : 8C)

Annex B 997 M2x-A (B05)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	13.00	60.00
200	9.00	59.40
300	8.50	58.10
400	9.40	55.30
600	9.40	51.40
800	8.00	45.40
1000	7.30	39.10
1200	6.20	31.10
1400	5.90	23.90
1600	2.40	23.10
1800	1.00	21.60
2000	0.20	16.10
2100	0.20	14.60

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.40	84.70
200	6.40	83.70
300	6.10	81.00
400	5.60	75.60
600	4.00	68.70
800	4.50	58.10
1000	4.00	46.80
1200	2.80	37.30
1400	0.80	29.60
1600	0.20	26.50
1800	0.20	21.70
2000	0.20	16.70
2100	0.20	14.90

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	8.50	86.20
200	7.90	86.20
300	7.70	83.10
400	6.70	78.60
600	6.80	69.20
800	5.70	59.10
1000	5.80	47.70
1200	4.60	35.20
1400	3.50	27.10
1600	1.60	17.30
1800	1.00	11.90
2000	1.00	7.60
2100	1.00	5.80

Notes:

- ◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
- ◆ 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.

■ NV-600L with NV-600R series (Profile : 8D)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.50	86.60
200	5.40	85.90
300	5.00	83.80
400	3.80	77.80
600	4.40	74.50
800	3.10	62.90
1000	2.40	52.90
1200	1.90	40.60
1400	2.30	29.90
1600	0.20	28.50
1800	0.20	24.10
2000	0.20	18.40
2100	0.20	16.20

Annex A M9_EU64		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.50	85.50
200	6.70	84.50
300	6.30	82.90
400	5.00	76.00
600	5.60	71.40
800	3.80	59.80
1000	3.50	49.40
1200	3.10	37.40
1400	2.10	24.30
1600	1.20	20.40
1800	1.00	14.70
2000	1.00	10.00
2100	0.90	8.30

Annex B 997 M2x-A (B05)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	26.80	58.40
200	21.90	57.30
300	20.60	56.00
400	16.70	51.10
600	14.10	48.00
800	10.40	42.00
1000	5.10	37.70
1200	4.10	31.80
1400	2.70	25.80
1600	0.90	24.60
1800	0.40	22.60
2000	0.20	18.60
2100	0.10	17.10

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.60	80.10
200	5.50	78.30
300	5.20	75.90
400	4.30	67.30
600	3.80	62.10
800	3.20	51.50
1000	2.70	43.70
1200	1.60	33.60
1400	0.80	32.10
1600	0.20	26.80
1800	0.20	22.20
2000	0.10	18.80
2100	0.10	16.70

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.70	79.80
200	6.60	77.70
300	6.50	75.20
400	5.00	67.90
600	4.60	61.20
800	3.90	50.00
1000	3.40	43.60
1200	2.20	33.70
1400	1.00	24.40
1600	0.80	19.70
1800	0.70	15.10
2000	0.70	12.00
2100	0.70	10.20

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	6.40	84.40
200	5.10	82.50
300	5.40	81.20
400	3.80	74.90
600	4.40	71.00
800	3.00	58.70
1000	3.40	51.80
1200	1.90	38.60
1400	0.90	31.40
1600	0.20	29.00
1800	0.20	24.30
2000	0.20	19.40
2100	0.20	17.50

■ NV-600L with NV-600R series (Profile : 8D)

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.60	83.90
200	6.50	82.50
300	6.50	81.50
400	4.90	74.40
600	4.50	68.00
800	3.70	59.20
1000	3.20	48.30
1200	2.70	37.40
1400	2.30	24.90
1600	1.00	20.70
1800	1.00	15.10
2000	1.00	11.10
2100	1.00	9.20

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	7.30	84.00
200	6.30	82.20
300	6.00	80.50
400	4.50	74.40
600	4.30	69.30
800	3.5	58.40
1000	3.10	48.60
1200	2.40	37.30
1400	2.00	31.10
1600	0.80	21.50
1800	0.80	16.10
2000	0.70	10.80
2100	0.70	10.00

Notes:

◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
 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.

■ NV-600L with NV-600R series (Profile : 12A)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	26.70	88.40
200	27.20	86.00
300	25.80	85.10
400	18.30	78.70
600	16.10	72.50
800	9.70	55.30
1000	2.10	42.10
1200	3.20	40.90
1400	1.30	30.30
1600	0.20	29.50
1800	0.10	22.60
2000	0.10	12.40

Annex A M9_EU64		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.60	87.80
200	28.50	85.70
300	27.80	84.20
400	20.30	77.70
600	18.60	74.00
800	11.90	53.60
1000	5.90	48.00
1200	2.90	38.30
1400	2.40	29.10
1600	1.00	21.70
1800	0.90	14.80
2000	0.80	7.80

Annex B 997 M2x-A (B05)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	48.50	59.20
200	42.10	57.80
300	32.90	56.80
400	32.60	51.50
600	28.40	47.80
800	16.30	42.30
1000	8.70	39.00
1200	3.60	32.40
1400	4.30	27.30
1600	0.90	25.90
1800	0.10	23.00
2000	0.10	14.80

Annex B 997 M2x-M (B06)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	51.90	58.60
200	46.70	57.20
300	45.80	55.70
400	34.30	51.10
600	29.20	47.80
800	16.40	44.10
1000	9.50	37.30
1200	4.40	31.10
1400	4.60	26.40
1600	1.40	24.20
1800	0.90	16.30
2000	0.80	8.10

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	33.00	82.50
200	27.00	80.20
300	26.80	76.60
400	22.20	68.10
600	19.70	61.80
800	9.20	51.20
1000	3.60	46.30
1200	1.50	35.10
1400	0.30	30.10
1600	0.10	27.60
1800	0.10	24.60
2000	0.10	18.60

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	33.60	81.90
200	31.20	78.70
300	30.90	75.90
400	24.60	68.10
600	21.10	61.90
800	9.80	50.80
1000	3.40	43.70
1200	1.90	34.90
1400	1.20	24.50
1600	0.70	18.60
1800	0.70	15.60
1900	0.80	8.10

■ NV-600L with NV-600R series (Profile : 12A)

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.70	85.90
200	27.50	84.40
300	25.80	81.10
400	20.40	75.70
600	16.90	68.30
800	6.70	58.60
1000	3.40	53.20
1200	2.0	39.70
1400	0.90	32.50
1600	0.20	30.90
1800	0.10	27.20
2000	0.10	14.80

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.50	85.60
200	29.20	83.40
300	27.80	81.40
400	20.60	74.70
600	19.10	67.30
800	8.00	58.20
1000	3.10	50.50
1200	2.60	38.70
1400	2.40	26.40
1600	1.00	22.00
1800	0.90	17.40
2000	0.90	0.90
2100	0.80	0.70

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.60	85.60
200	29.10	83.30
300	27.70	81.30
400	20.90	74.60
600	19.40	67.30
800	7.60	58.00
1000	4.10	51.80
1200	1.90	39.50
1400	1.30	33.70
1600	0.70	22.40
1800	0.70	17.90
2000	0.70	9.80

Notes:

- ◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
- 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.

■ NV-600L with NV-600R series (Profile : 12B)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	31.90	88.40
200	26.70	86.30
300	26.70	85.00
400	19.30	78.40
600	16.10	72.70
800	10.50	55.40
1000	2.20	54.60
1200	2.20	41.20
1400	2.30	31.90
1500	1.10	31.00

Annex A M9_EU64		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	31.90	87.90
200	27.90	85.90
300	28.00	83.80
400	20.00	78.30
600	17.30	72.50
800	10.40	55.40
1000	5.40	50.20
1200	2.20	41.00
1400	1.60	31.40
1500	1.30	31.00

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	33.00	82.50
200	29.50	80.60
300	28.50	76.30
400	23.60	67.40
600	19.80	62.50
800	8.80	51.40
1000	2.80	45.10
1200	1.50	35.10
1400	0.90	32.70

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	33.50	81.80
200	29.90	79.30
300	29.10	75.60
400	23.30	67.00
600	24.10	63.90
800	9.50	51.00
1000	3.00	43.80
1200	1.60	35.10
1400	1.00	31.40

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.20	85.60
200	27.40	83.80
300	26.10	81.30
400	20.20	74.90
600	18.00	67.90
800	7.50	58.60
1000	2.10	51.10
1200	1.80	39.60
1400	1.30	34.70

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.00	85.90
200	29.00	83.40
300	27.10	81.30
400	20.30	75.50
600	18.70	68.70
800	7.60	58.30
1000	3.30	53.50
1200	2.00	40.20
1400	0.80	33.80

■ NV-600L with NV-600R series (Profile : 12B)

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.10	85.90
200	28.80	83.60
300	27.70	82.10
400	20.50	74.80
600	18.40	68.20
800	7.50	58.70
1000	2.20	52.40
1200	1.70	40.00
1400	0.70	33.70

Annex B 998-M2x-NUS0(B13)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	31.90	85.90
200	27.20	83.70
300	27.10	81.70
400	20.90	74.90
600	17.20	69.50
800	7.90	57.60
1000	3.70	51.80
1200	1.90	40.00
1400	0.70	33.50

Notes:

◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
 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.

■ NV-600L with NV-600R series (Profile : 17A)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.60	100
200	22.00	100
300	22.20	100
400	15.40	100
600	14.40	94.50
800	10.00	52.70
1000	4.10	54.80
1200	3.30	38.60
1400	1.70	31.10

Annex B 997 M1c-A-7 (B07)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	29.40	100
200	24.40	100
300	22.50	100
400	19.00	100
600	17.50	83.90
800	5.90	58.90
1000	3.20	46.50
1200	1.70	35.90
1300	1.10	34.20

Annex B 998 M1x-B (B08)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	29.00	100
200	25.50	100
300	23.10	100
400	19.8	100
600	16.50	83.50
800	6.70	58.10
1000	3.40	47.20
1200	1.90	36.20
1300	1.40	34.60

Annex B 998 M2x-A (B10)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.40	100
200	22.90	100
300	21.80	100
400	16.00	100
600	16.40	89.80
800	5.40	64.90
1000	2.80	52.60
1200	2.70	39.60
1400	1.10	34.50

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.50	100
200	24.00	100
300	22.30	100
400	17.10	100
600	14.60	89.30
800	6.30	62.10
1000	2.90	52.70
1200	2.40	39.90
1400	1.00	34.20

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.30	100
200	23.20	100
300	24.00	100
400	17.40	100
600	14.80	89.20
800	6.20	60.50
1000	4.00	54.00
1200	2.50	40.30
1400	0.50	33.40

Annex C		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	31.20	100
200	29.00	100
300	28.50	100
400	23.80	100
600	20.30	83.90
800	10.10	51.60
1000	6.40	43.80
1200	3.90	29.70
1300	2.20	28.60

Annex C 1M1		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	32.30	100
200	29.70	100
300	30.40	100
400	25.30	100
600	20.90	78.70
800	9.70	50.00
1000	6.10	37.90
1200	3.40	26.40
1300	1.00	22.70

Annex B 998E17-M2x-NUS0		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	38.30	100
200	30.60	100
300	29.40	100
400	21.80	100
600	20.80	78.10
800	5.80	60.40
1000	2.50	52.40
1200	2.20	39.40
1300	1.30	35.40

Notes:

◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
 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.

■ NV-600L with NV-600R series (Profile : 17B)

Annex B 998 M2x-M (B11)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	29.40	100
200	25.00	100
300	23.50	100
400	18.00	100
600	17.70	87.90
800	6.80	59.60
1000	5.00	51.30
1200	3.40	37.20
1400	1.80	25.40
1600	1.00	20.70
1800	1.00	16.10
2000	0.90	8.10

Annex B 998 M2x-B (B12)		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	28.90	100
200	24.40	100
300	23.10	100
400	18.10	100
600	18.40	87.70
800	6.60	59.70
1000	4.50	51.90
1200	3.40	43.80
1400	2.10	26.30
1600	0.80	21.40
1800	0.80	15.80
2000	0.70	8.30

Annex B 998E17-M2x-A		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	37.30	100
200	29.80	100
300	26.70	100
400	20.90	100
600	20.80	78.10
800	6.40	57.50
1000	2.50	52.50
1200	2.60	38.50
1400	0.80	32.50
1600	0.20	30.30
1800	0.10	25.10
2000	0.10	13.60

Notes:

◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
 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.

■ NV-600L with NV-600R series (Profile : 30A)

Annex A M1_EU32		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	77.20	100
200	55.70	100
300	33.80	100
400	18.60	100
600	10.80	94.20
800	12.80	47.10
1000	3.50	47.20
1200	3.30	38.30
1400	1.60	30.00

Annex C_8K		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	100	100
200	100	100
300	100	100
400	49.20	97.50
600	17.30	67.80
800	12.10	42.50
1000	5.00	28.30
1200	3.30	28.00
1300	2.40	25.50

Annex C 8K_1M1		
Cable Length (meters)	US [Mbps]	DS [Mbps]
100	100	100
200	100	100
300	85.50	100
400	51.00	94.00
600	18.30	64.30
800	15.60	51.20
1000	13.00	39.80
1200	3.80	24.00
1300	2.80	21.80

Notes:

◆ DS: Downstream; US: Upstream. Actual Data Rate Unit: Mbps
 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.