



Performance Test Report

Date: Oct. 5, 2017
Test by: Johnny
Approval by: Blake

Model No.: NV-202M & NV-202S (H/W ver: B.2)
Product Name : Twisted-pair copper wire LAN extender with Remote Power

Test Equipments :

1. Power Device : PoE Splitter SPS-5712T (IEEE 802.3at)
2. DC Electronic Load : Prodigit 3311D
3. PC/OS : Intel Pentium 4 CPU 3GHz / Windows XP Professional sp3
4. Packet Generator : SmartBits (SMB-6000B/C)

Test Conditions:

1. Ethernet Cable : Cat.5e RJ-45 8P8C copper cable
2. Coaxial cable : RG6/U (Impedance $75\Omega \pm 3\Omega$)
3. Phone Wire : Cat.5e 24 AWG copper wire
4. Lab temperature : 25°C
5. Test Configuration: Shown in Figure-A
6. Test Results : Shown in Table 1 & Table 2

Performance Table For Phone Wire : (DS: Down Stream / US: Up Stream)

Cable Length(Meter)	DS(Mps)	US(Mps)	PoE Output
300m	97	88	15 W
600m	50	59	13 W
900m	29	28	12 W
1200m	18	14	10.5W
1500m	13	1	8 W
2000m	5	0.2	5 W

Table 1

Performance Table For Coaxial Cable : (DS: Down Stream / US: Up Stream)

Cable Length (Meter)	DS(Mps)	US(Mps)	PoE Output
300m	85	60	14 W
500m	60	55	12 W
800m	22	20	10 W
1000m	15	13	8 W
1100m	12	10	7 W

Table 2



Figure - A