



Initial State of HFC Network

Map Legend	
Cable QR-540	
Power Supply unit	

Central powering

87V 9.7A	87V 9.7A	87V 7.7A
PS3	PS2	PS1

Power Boosters enable central powering

Power Booster	
model 90V	
In	9.7A 62V
Out	7.7A 75.9V
Gain=1.22	

Power Booster	
model 90V	
In	9.7A 59.6V
Out	6.4A 87.9V
Gain=1.48	




w. booster U=82.5V
w/o booster U=48.1V

w. booster U=66.4V
w/o booster U=46.4V

Deep Fiber Upgrade

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Map Legend

- Mini Optical Node 
- Cable QR-540 
- Power Booster 
- Power Supply unit 