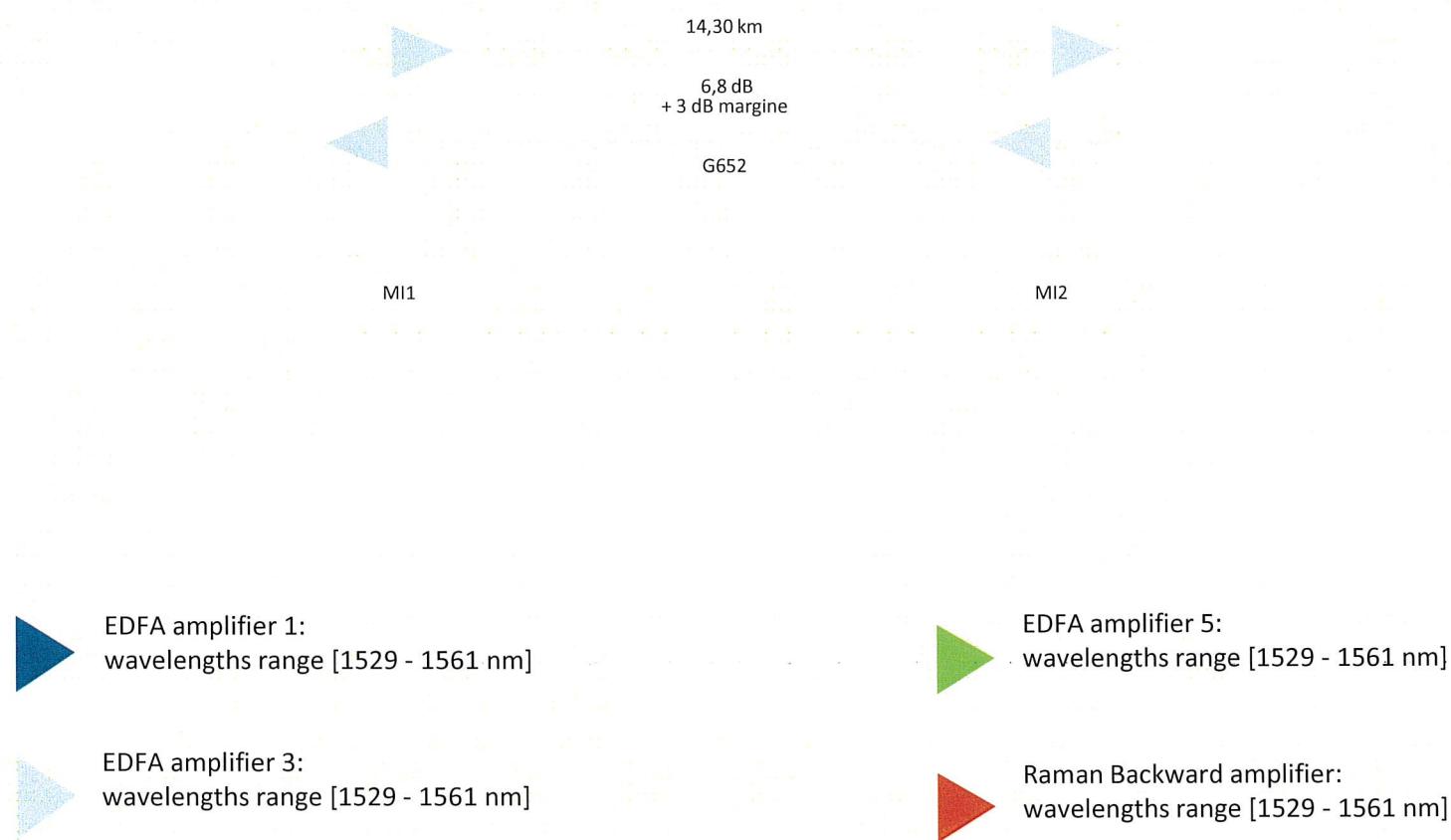


Caratterizzazione delle tratte:
T-05 T-11 T-13 T-15 T-17 T-18 T-24 T-25
T-26 T-29 T-30 T-36
necessarie allo studio di fattibilità della
soluzione *Alien Wavelength* della rete
del centro-nord

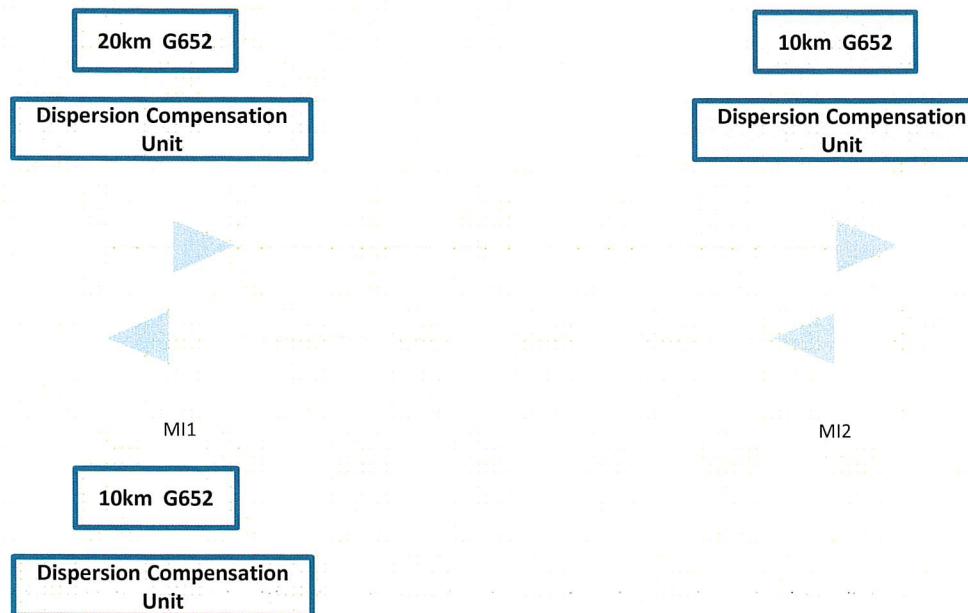


Network Configuration T-05

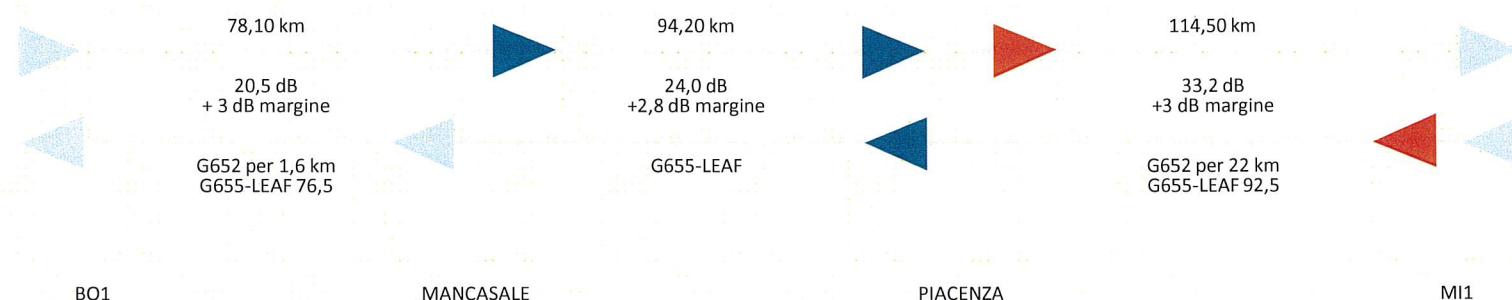


Network Configuration T-05

Dispersion Compensation Unit



Network Configuration T-11



► EDFA amplifier 1:
wavelengths range [1529 - 1561 nm]

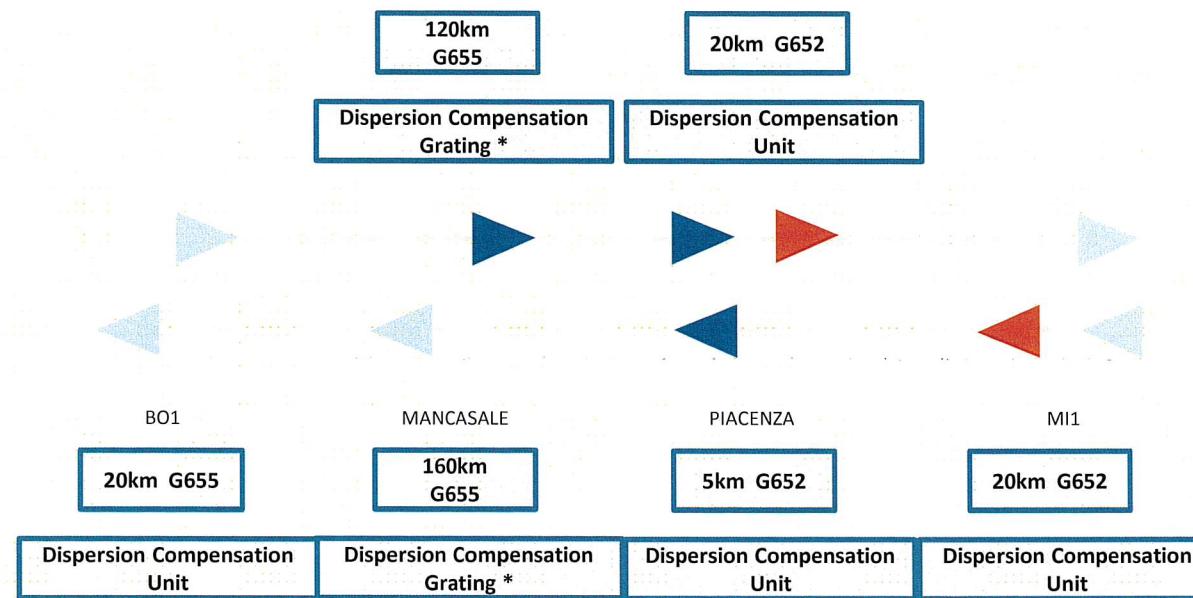
► EDFA amplifier 3:
wavelengths range [1529 - 1561 nm]

► EDFA amplifier 5:
wavelengths range [1529 - 1561 nm]

► Raman Backward amplifier:
wavelengths range [1529 - 1561 nm]

Network Configuration T-11

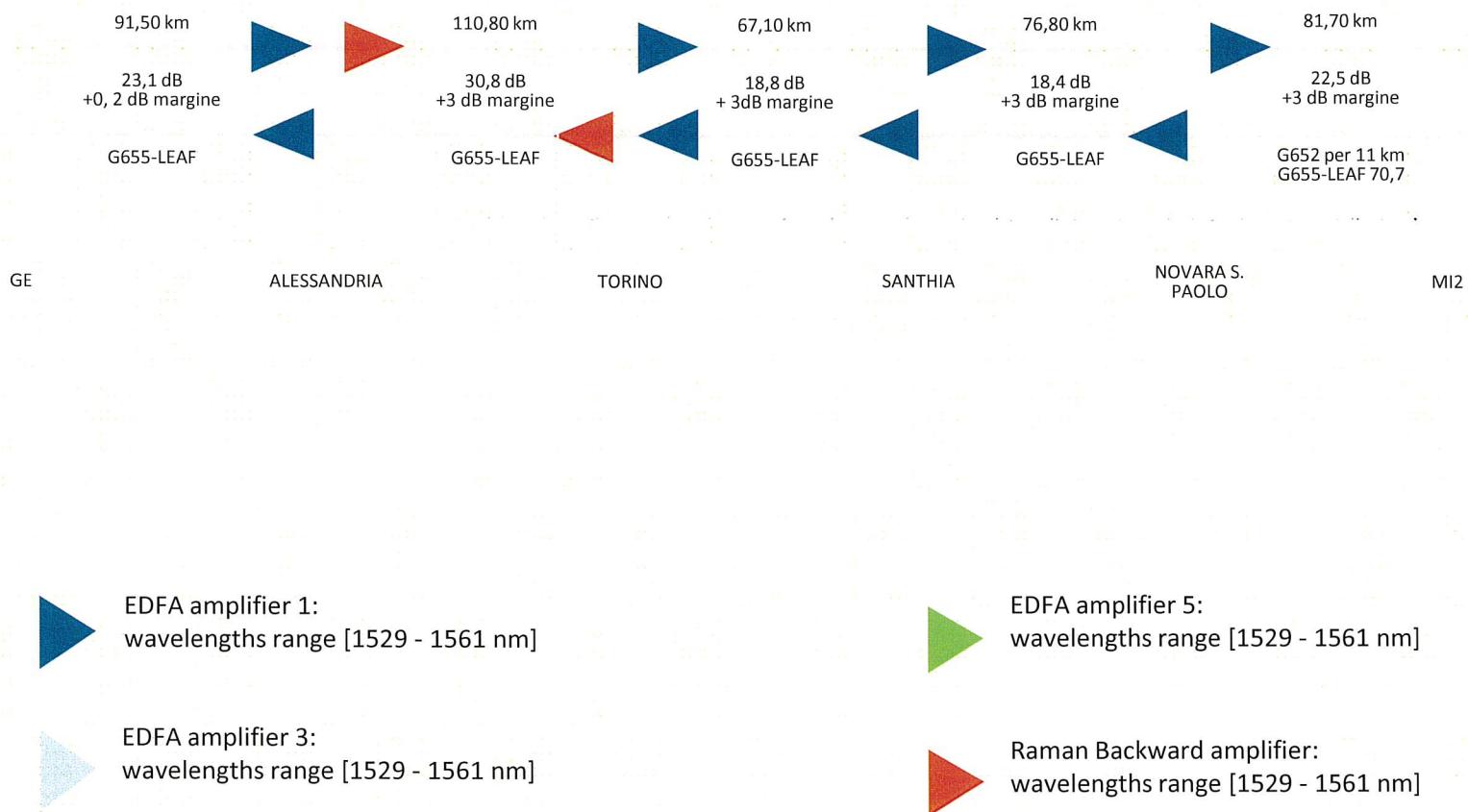
Dispersion Compensation Unit



* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
452ps/nm@1545(compensation
120km),3.7,1.0,LC/PC,235*234*28

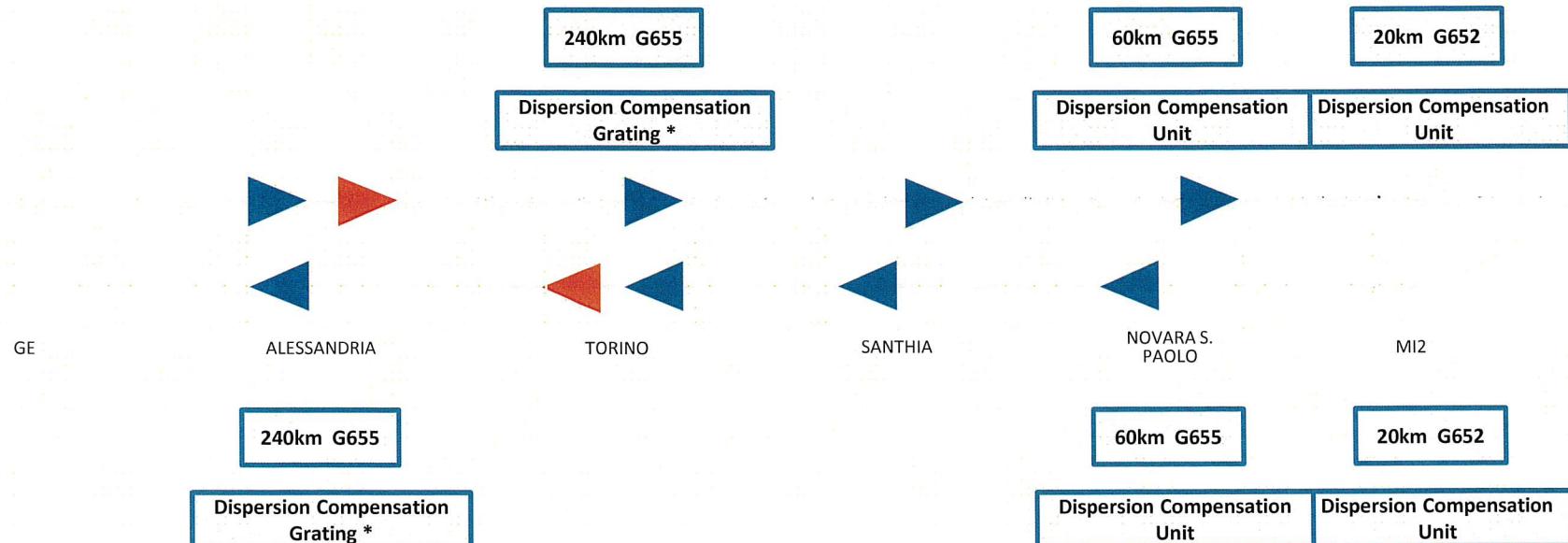
** Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
603ps/nm@1545(compensation
160km),3.7,1.0,LC/PC,235*234*28

Network Configuration T-13



Network Configuration T-13

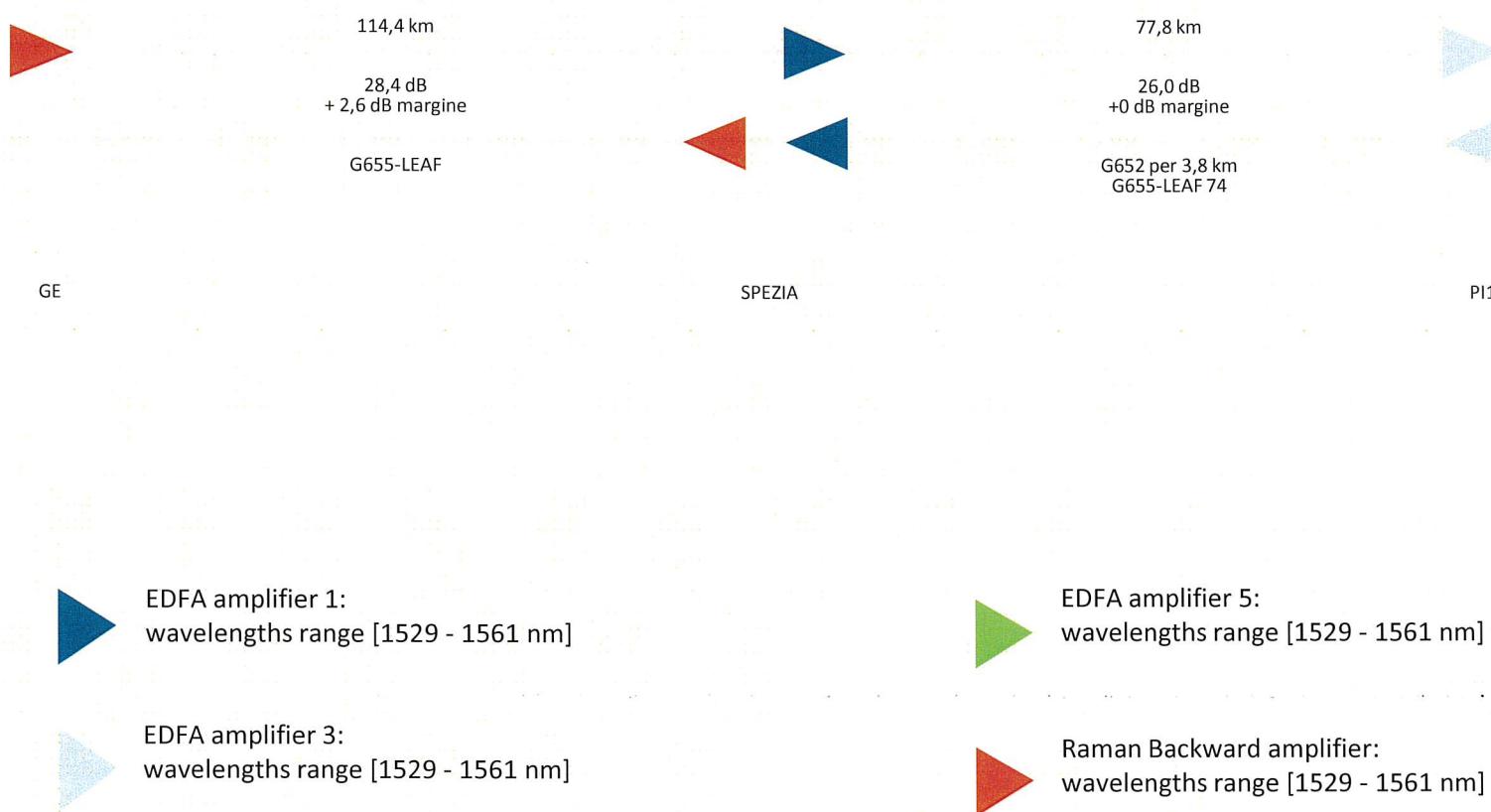
Dispersion Compensation Unit



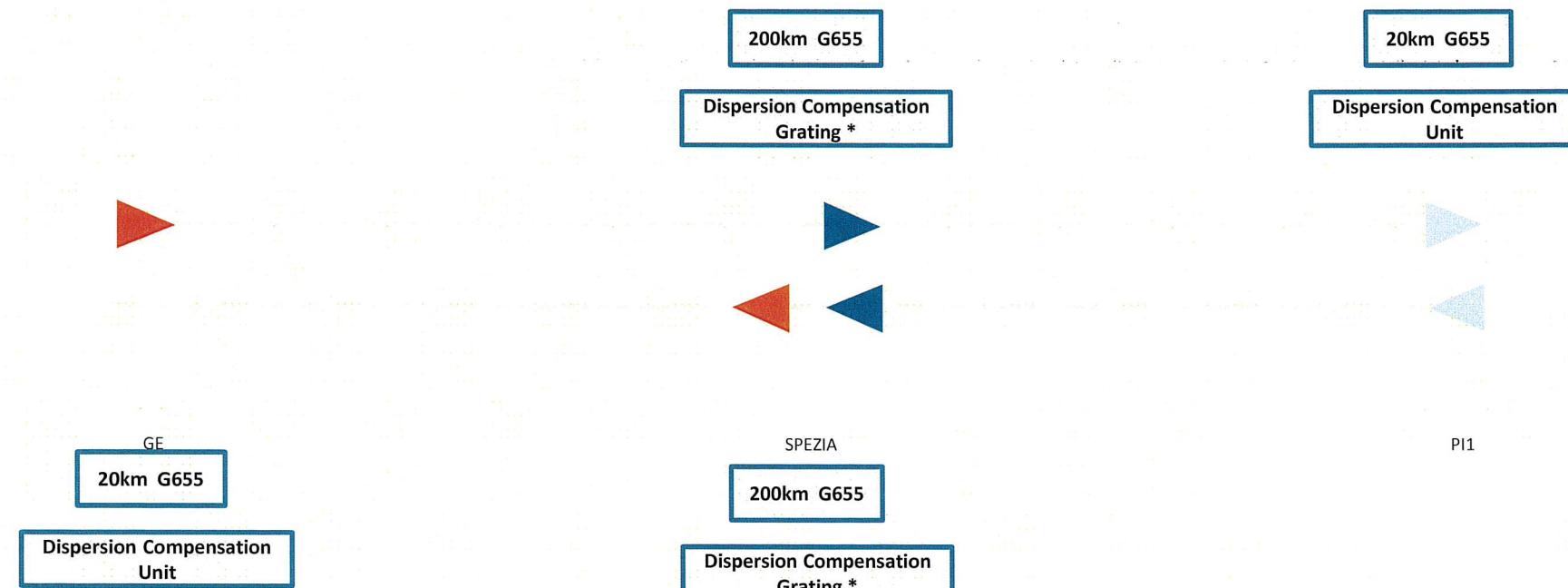
* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),
905ps/nm@1545(compensation
240km), 3.7, 1.0, LC/PC, 235*234*28

John's signature

Network Configuration T-15

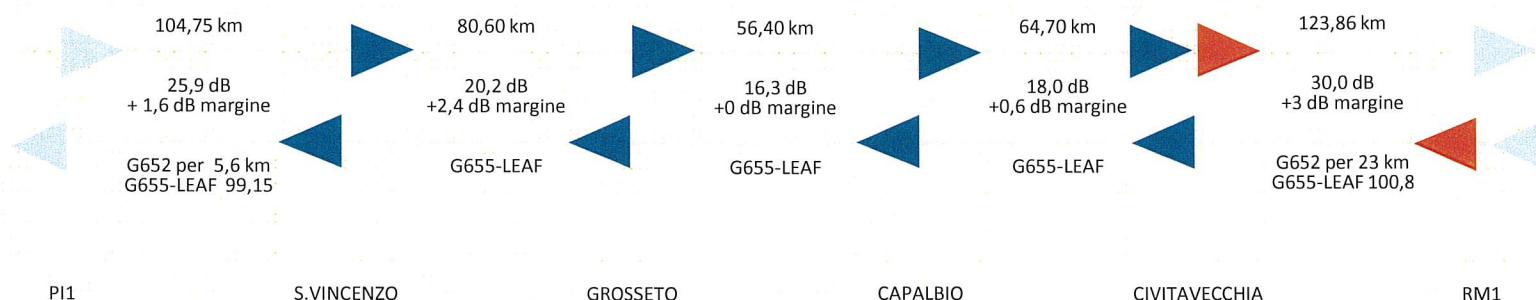


Network Configuration T-15 Dispersion Compensation Unit



* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
754ps/nm@1545(compensation
200km), 3.7, 1.0, LC/PC, 235*234*28

Network Configuration T-17



► EDFA amplifier 1:
wavelengths range [1529 - 1561 nm]

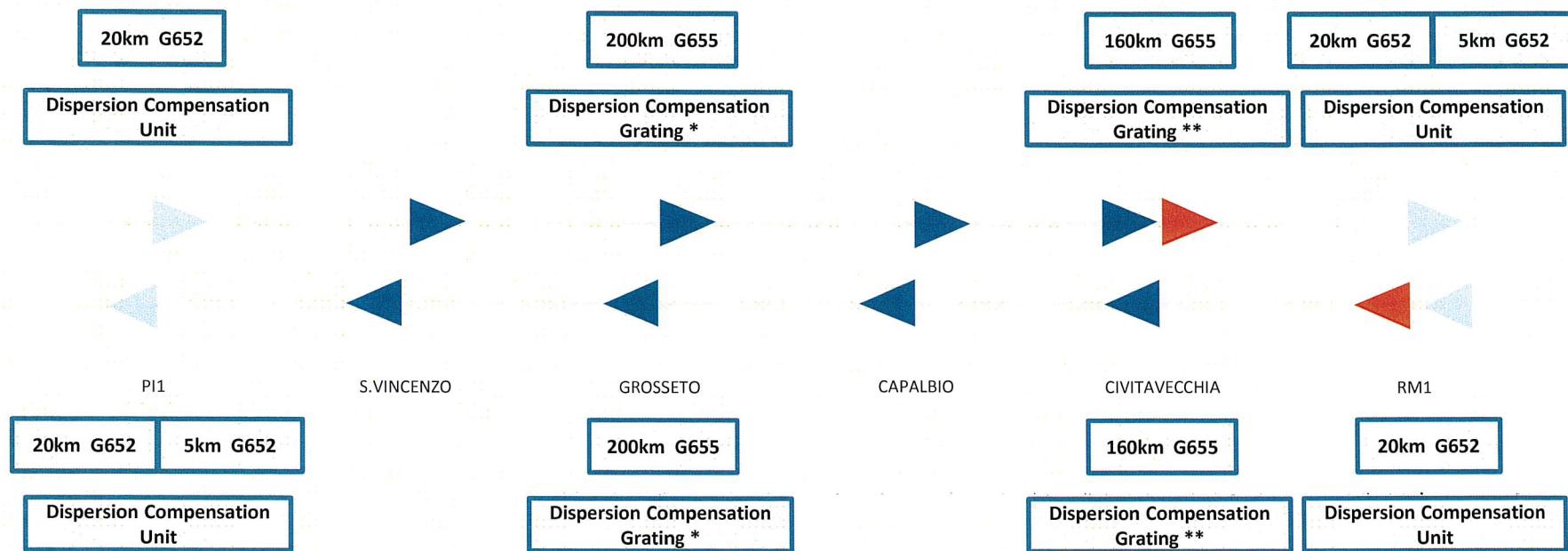
► EDFA amplifier 3:
wavelengths range [1529 - 1561 nm]

► EDFA amplifier 5:
wavelengths range [1529 - 1561 nm]

► Raman Backward amplifier:
wavelengths range [1529 - 1561 nm]

Network Configuration T-17

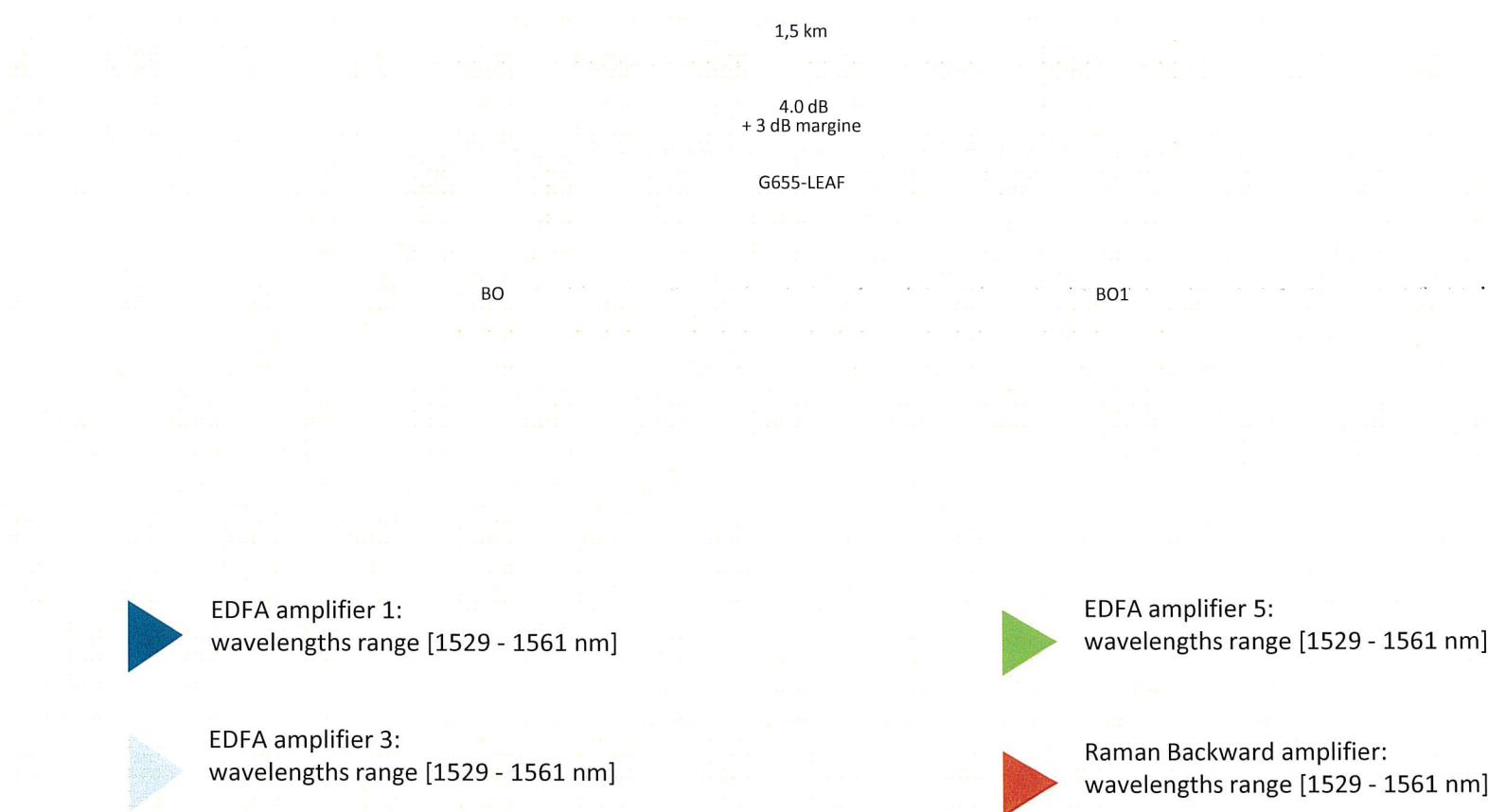
Dispersion Compensation Unit



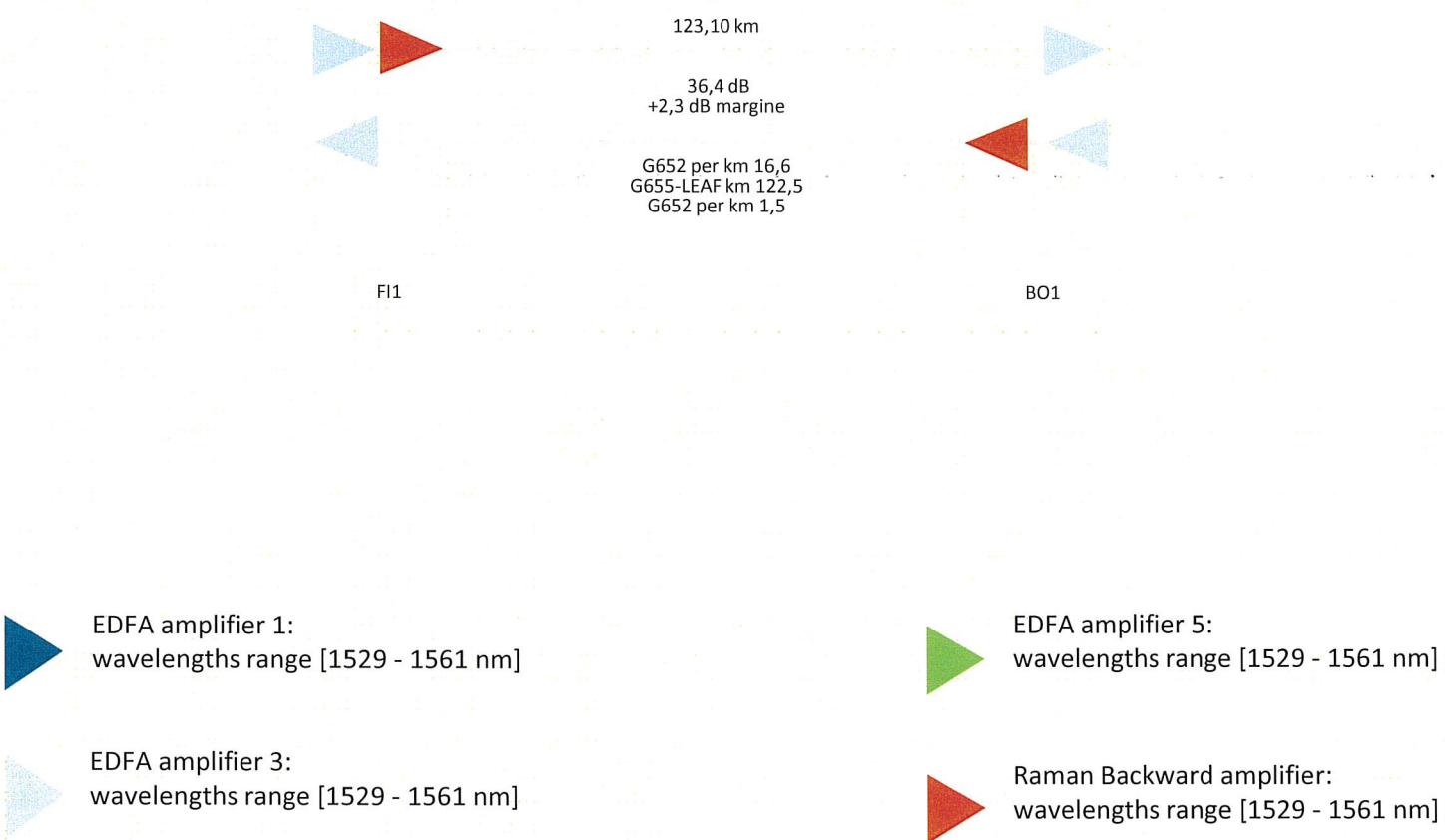
* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),
-754ps/nm@1545(compensation
200km), 3.7, 1.0, LC/PC, 235*234*28

** Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),
-603ps/nm@1545(compensation
160km), 3.7, 1.0, LC/PC, 235*234*28

Network Configuration T-18

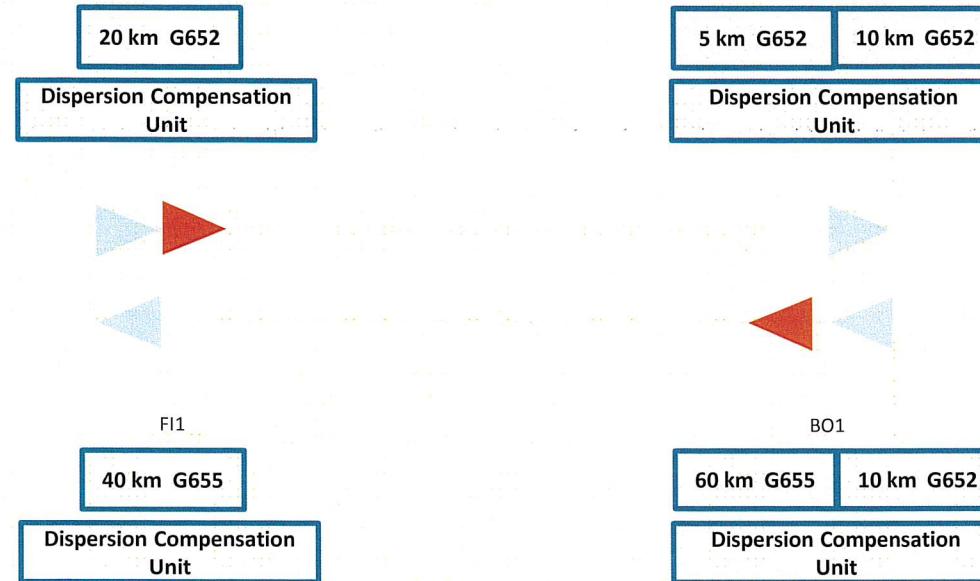


Network Configuration T-24

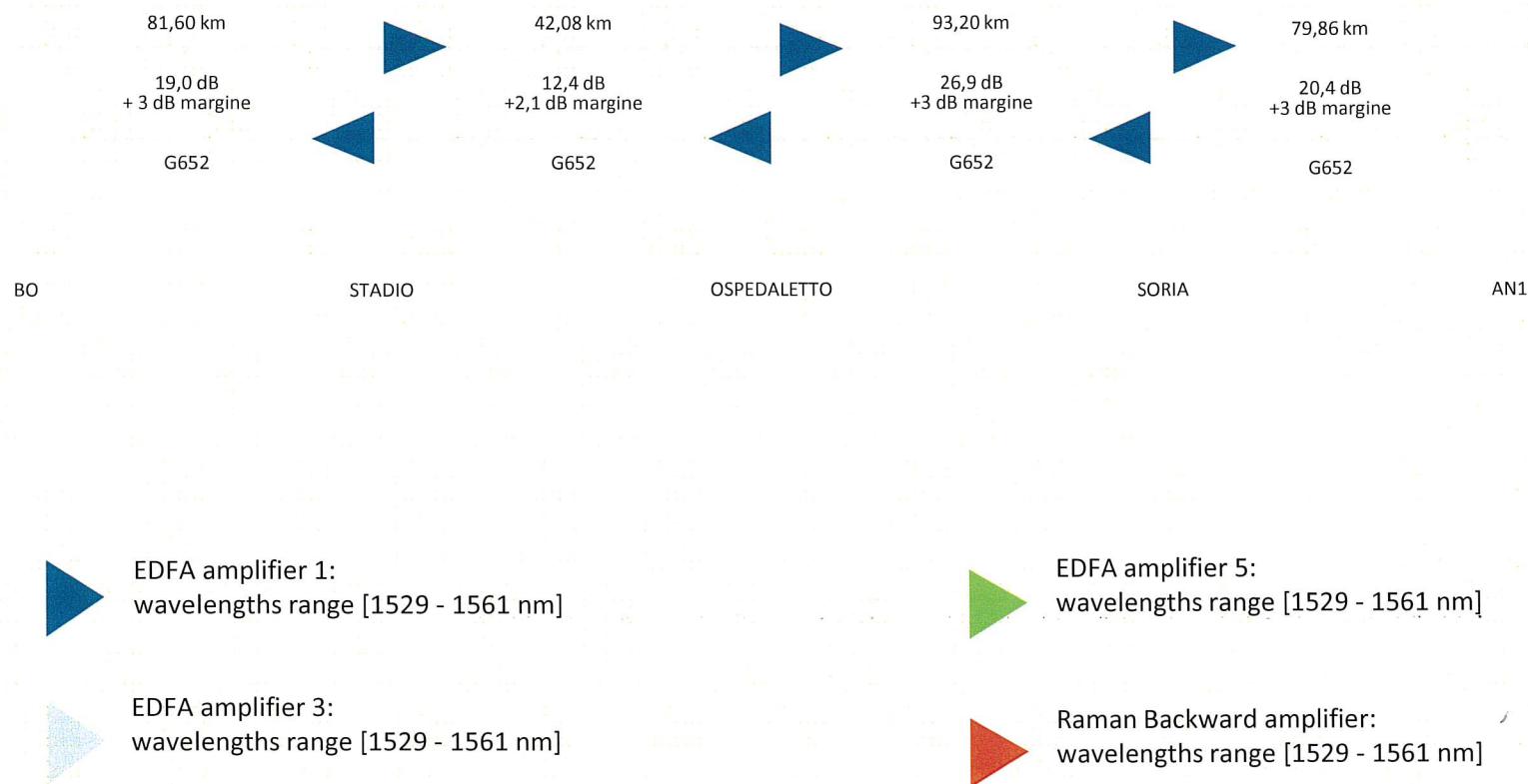


Network Configuration T-24

Dispersion Compensation Unit

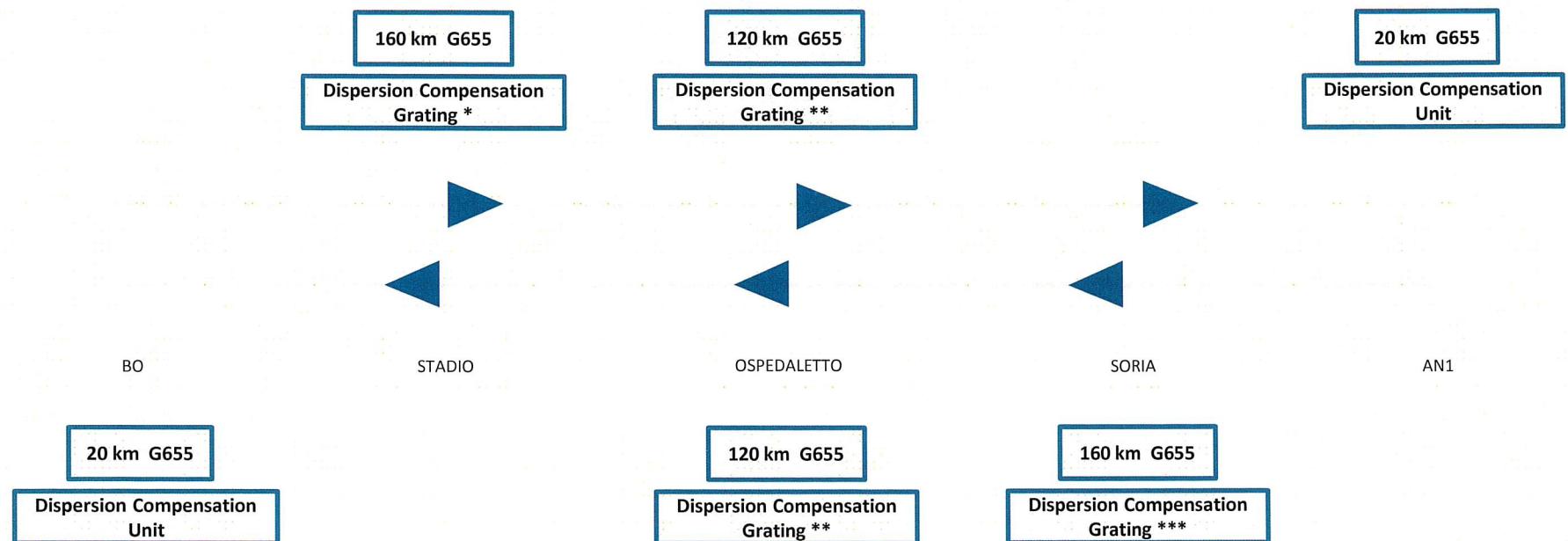


Network Configuration T-25



Network Configuration T-25

Dispersion Compensation Unit

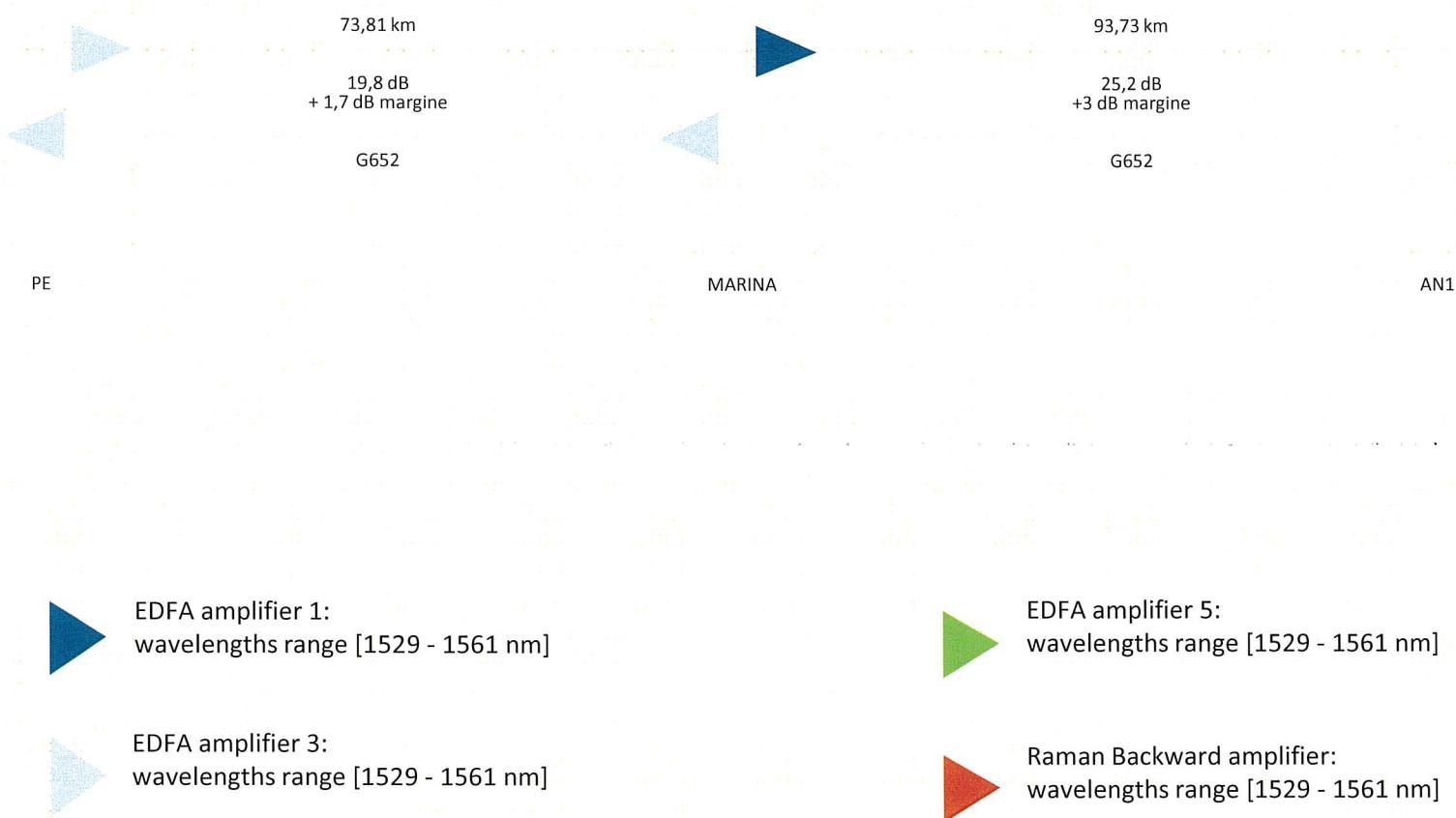


* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
603ps/nm@1545(compensation
160km),3.7,1.0,LC/PC,235*234*28

** Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
452ps/nm@1545(compensation
120km),3.7,1.0,LC/PC,235*234*28

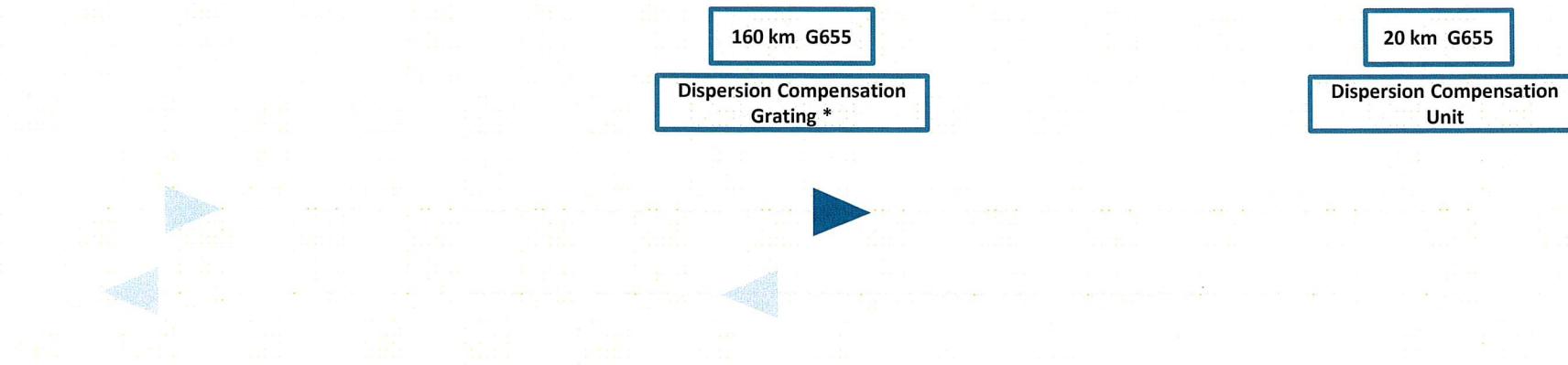
*** Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
603ps/nm@1545(compensation
160km),3.7,1.0,LC/PC,235*234*28

Network Configuration T-26



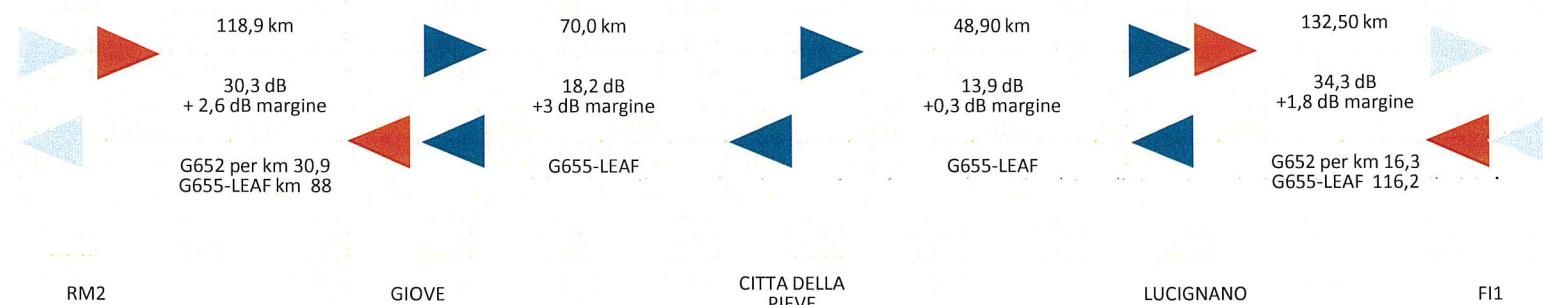
Network Configuration T-26

Dispersion Compensation Unit



* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),
603ps/nm@1545(compensation
160km), 3.7, 1.0, LC/PC, 235*234*28

Network Configuration T-29



EDFA amplifier 1: wavelengths range [1529 - 1561 nm]

EDFA amplifier 3:
wavelengths range [1529 - 1561 nm]

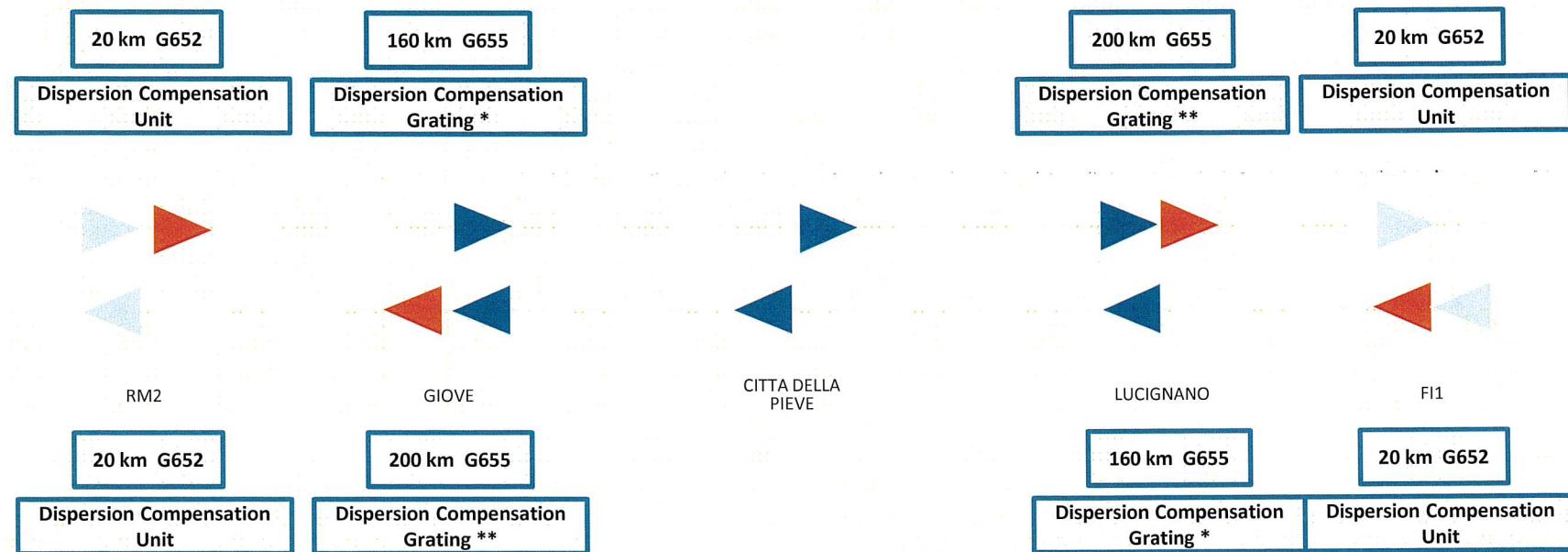
EDFA amplifier 5:
wavelengths range [1529 - 1561 nm]

Raman Backward amplifier:
wavelengths range [1529 - 1561 nm]



Network Configuration T-29

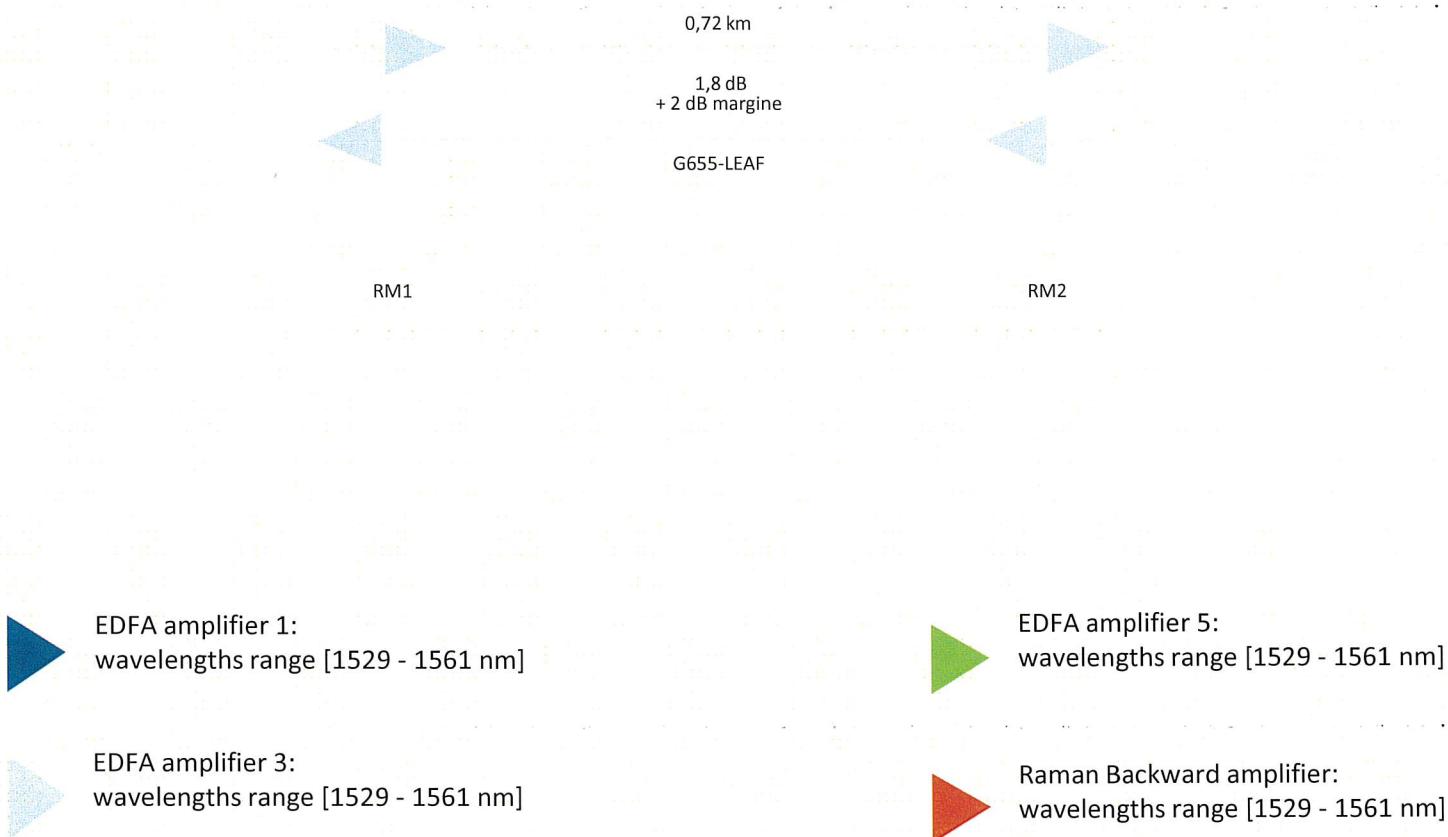
Dispersion Compensation Unit



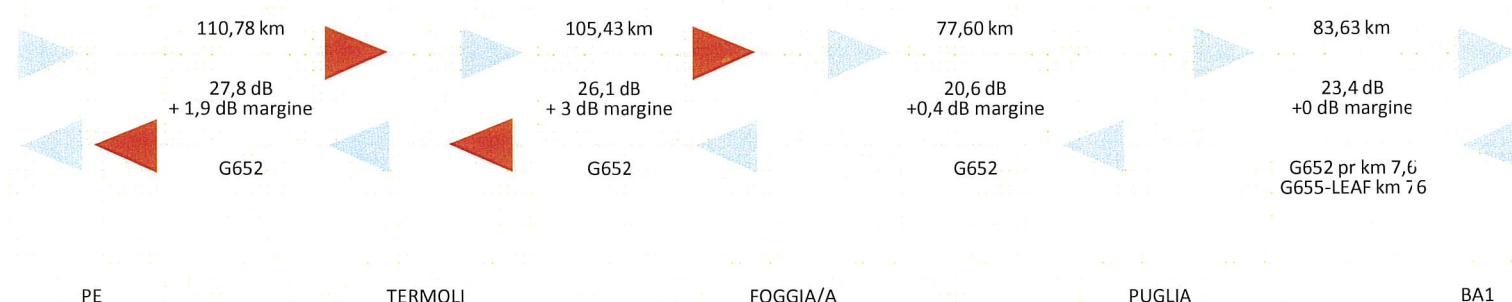
* Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
603ps/nm@1545(compensation
160km), 3.7, 1.0, LC/PC, 235*234*28

** Dispersion Compensation
Grating, 1528~1568nm(compensation
G.655 fiber),-
754ps/nm@1545(compensation
200km), 3.7, 1.0, LC/PC, 235*234*28

Network Configuration T-30



Network Configuration T-36



EDFA amplifier 1:
wavelengths range [1529 - 1561 nm]

EDFA amplifier 3:
wavelengths range [1529 - 1561 nm]

EDFA amplifier 5:
wavelengths range [1529 - 1561 nm]

Raman Backward amplifier:
wavelengths range [1529 - 1561 nm]

Network Configuration T-36

Dispersion Compensation Unit



*

Dispersion Compensation Grating
1528~1568nm(compensation
G.655 fiber),-
905ps/nm@1545(compensation
240km),3.7,1.0,LC/PC,235*234*28

- Channel Type: OTU2/OTU2e non-coherent
- TX launch of existing Trasponder:
 - [range from -3 dBm to +2 dBm]
 - [average value -1 dBm]
- Optical Spectrum Analyzer available @:
 - A/D section
 - Line



MUX/DEMUX Setup:

