Accordo
RaiWay – Aeranti-Corallo

Sperimentazione
DAB+/DMB a Venezia e Bologna

Bologna – 11 Dicembre 2008

La sperimentazione di Bologna e Venezia

La rete di trasmissione

Sede RAI
BO / VE

Multiplexer

router

Rete TLC IP
Accesso ADSL BMG
Core MPLS

2 Mb/s

Enc DMB

router

router

router

router

Enc DAB+

Enc DAB+

Enc DAB+

Emittenti

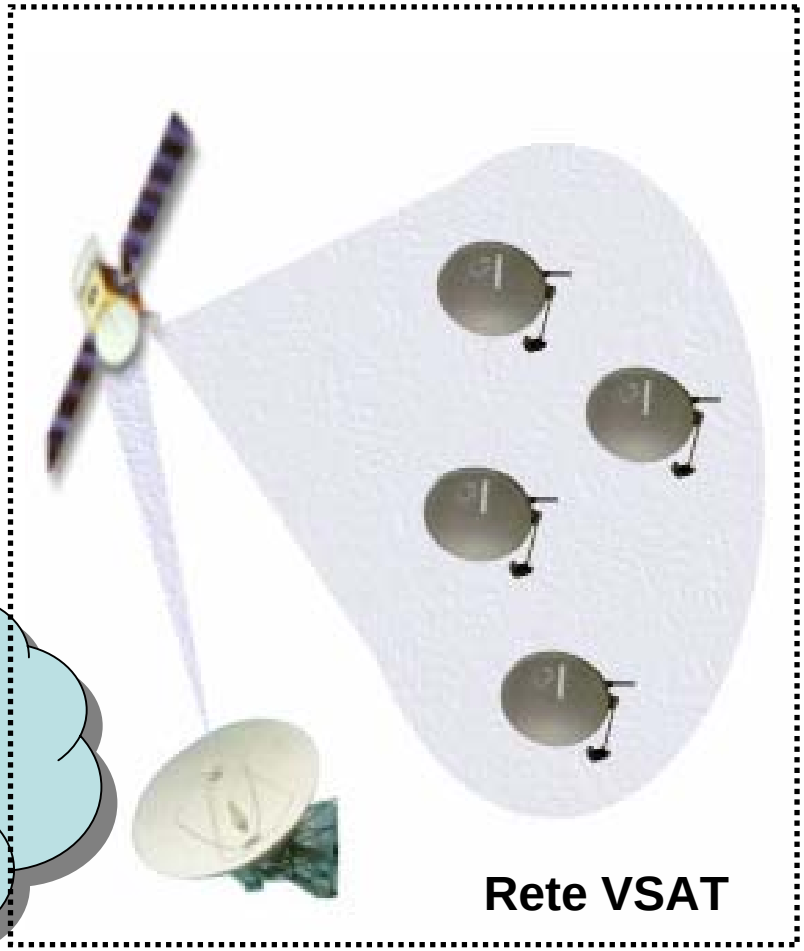
Colle Barbiano /
Campalto

Contribuzione in VSAT

- Da utilizzare nei casi difficili per la rete terrestre (zone poco o non coperte da ADSL)
- SLA equivalenti a quelli dei circuiti terrestri (Banda Minima Garantita)
- Uso di piccole antenne da 90 cm
- Collegamenti dall'Hub satellitare al sito di destinazione sempre in ADSL terrestre
- Costi nettamente più alti (3-4 volte) rispetto all'ADSL terrestre

Sede RAI

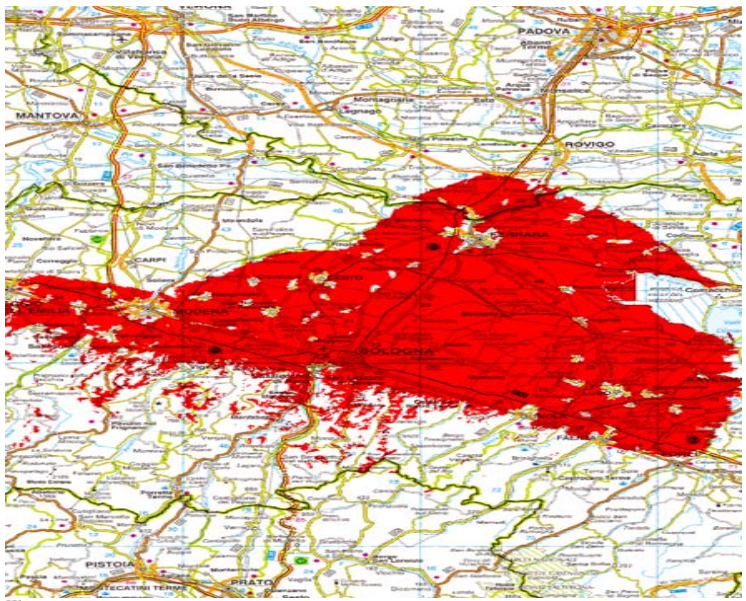
Rete TLC IP
Accesso ADSL BMG
Core MPLS



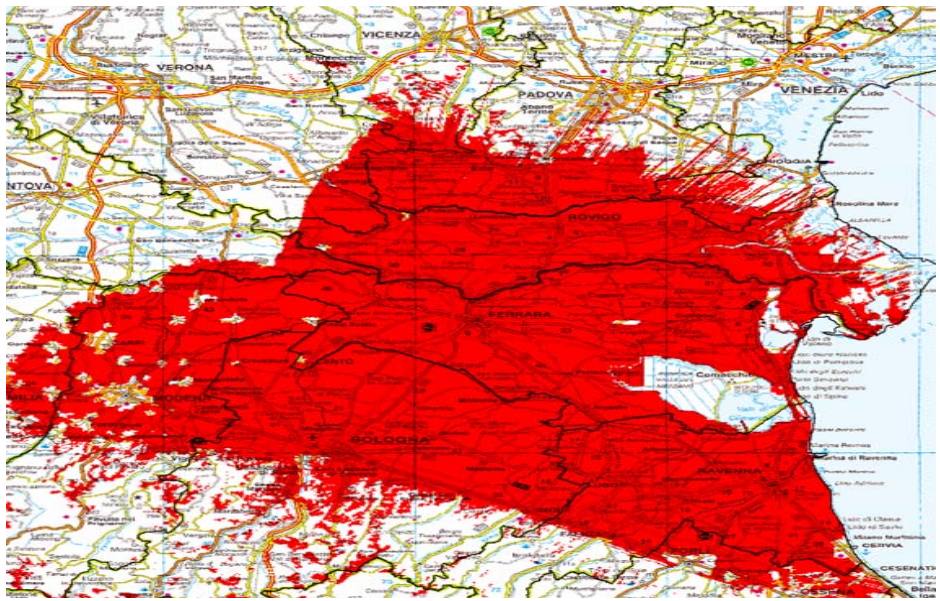
Rete VSAT

Impianto di Bologna Colle Barbiano

Copertura mobile outdoor



200 W

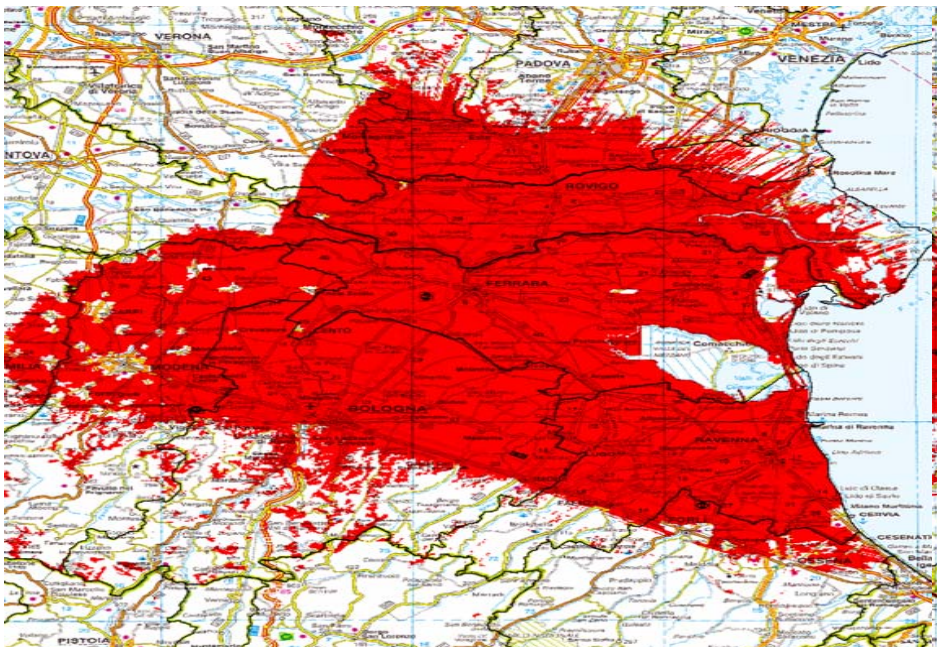


1 kW

Antenna provvisoria

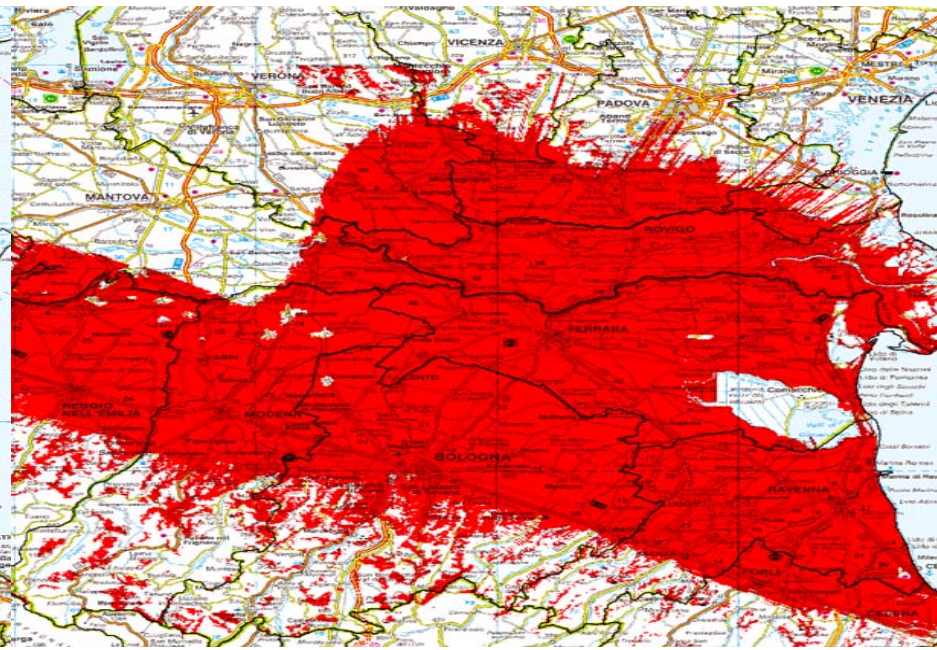
Impianto di Bologna Colle Barbiano

Copertura mobile outdoor



1 kW

Antenna provvisoria

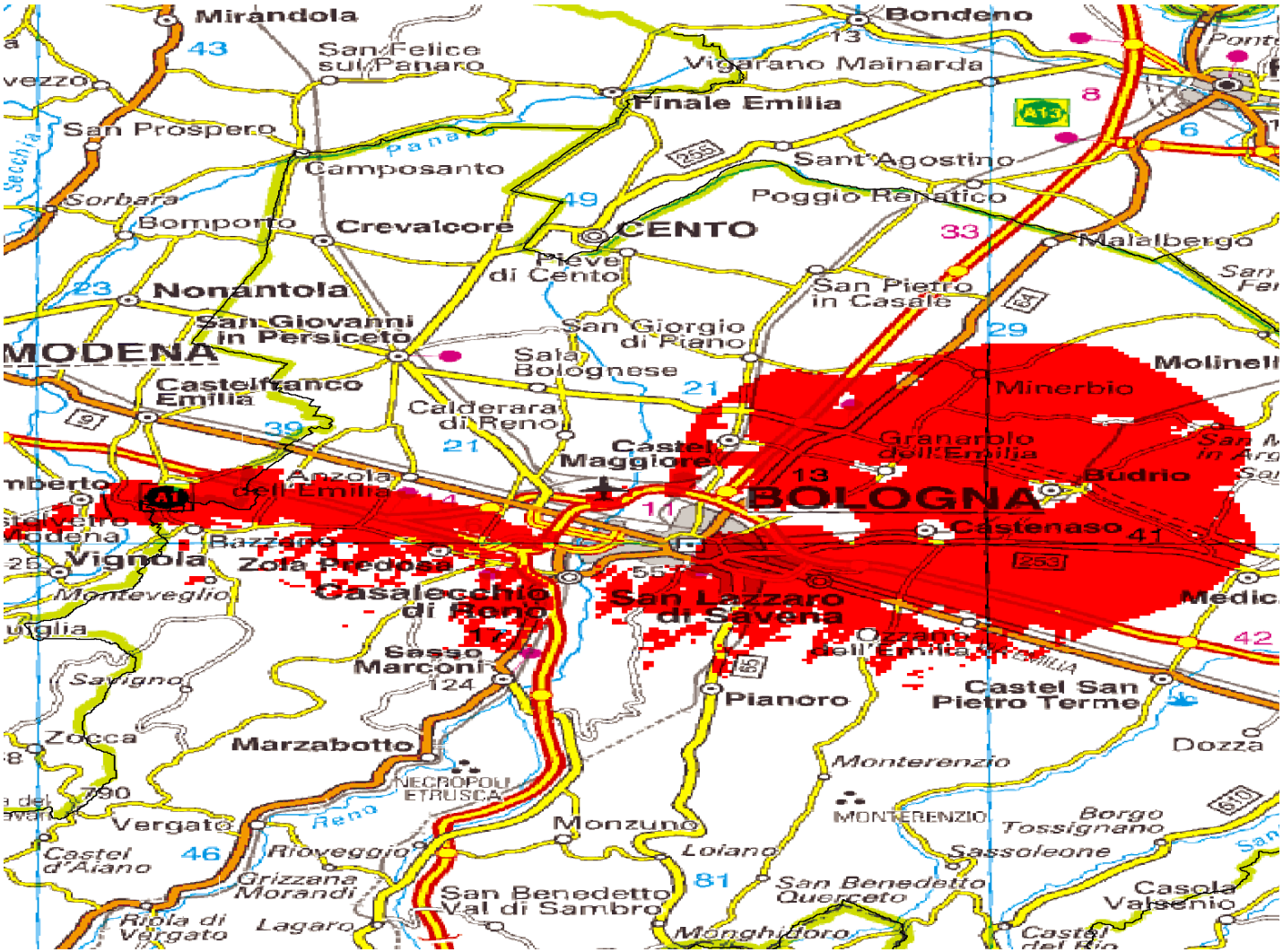


1 kW

Antenna definitiva

Impianto di Bologna Colle Barbiano

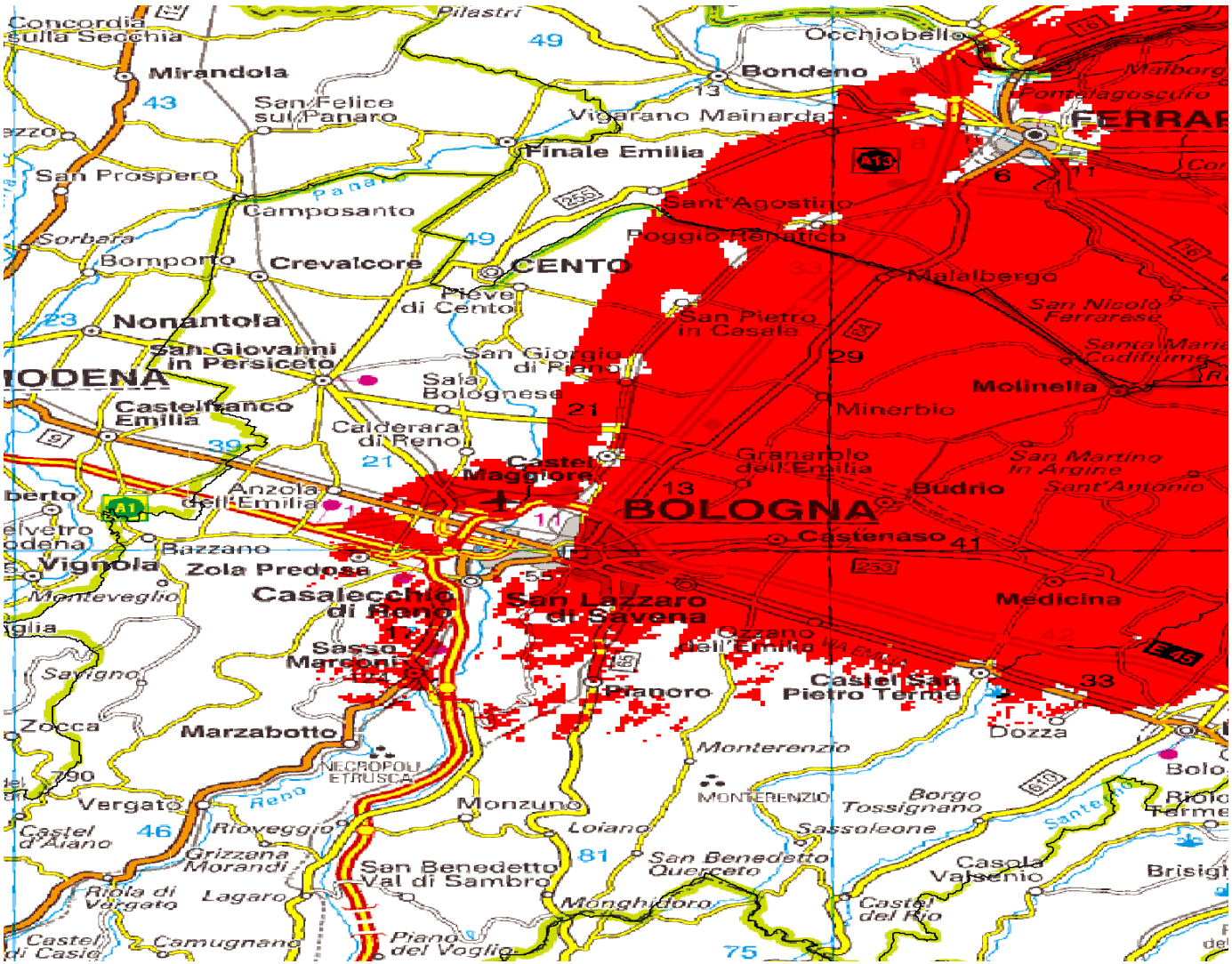
Copertura indoor blocco 12C



200 W

Impianto di Bologna Colle Barbiano

Copertura indoor blocco 12C

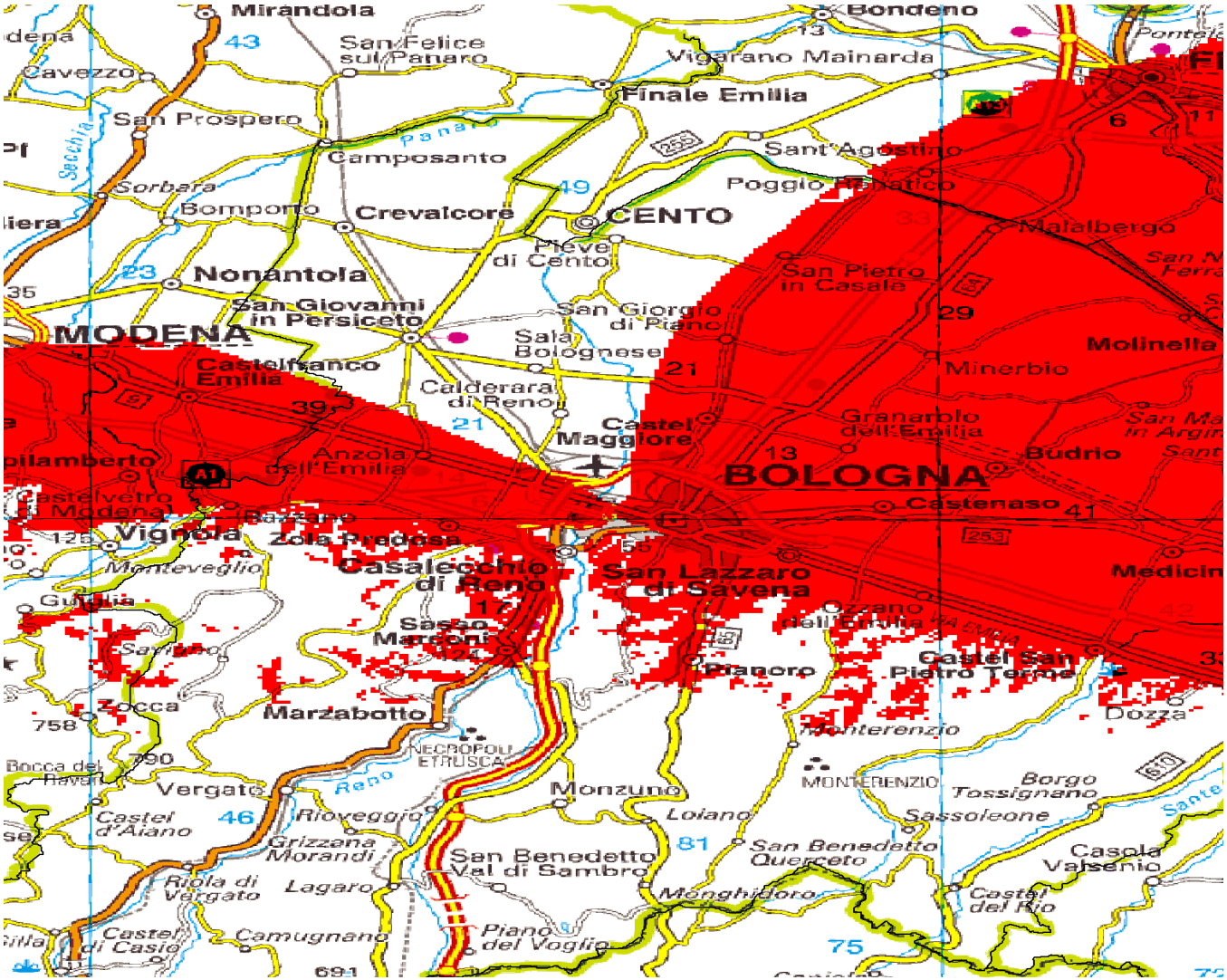


1 kW

Antenna provvisoria

Impianto di Bologna Colle Barbiano

Copertura indoor blocco 12C

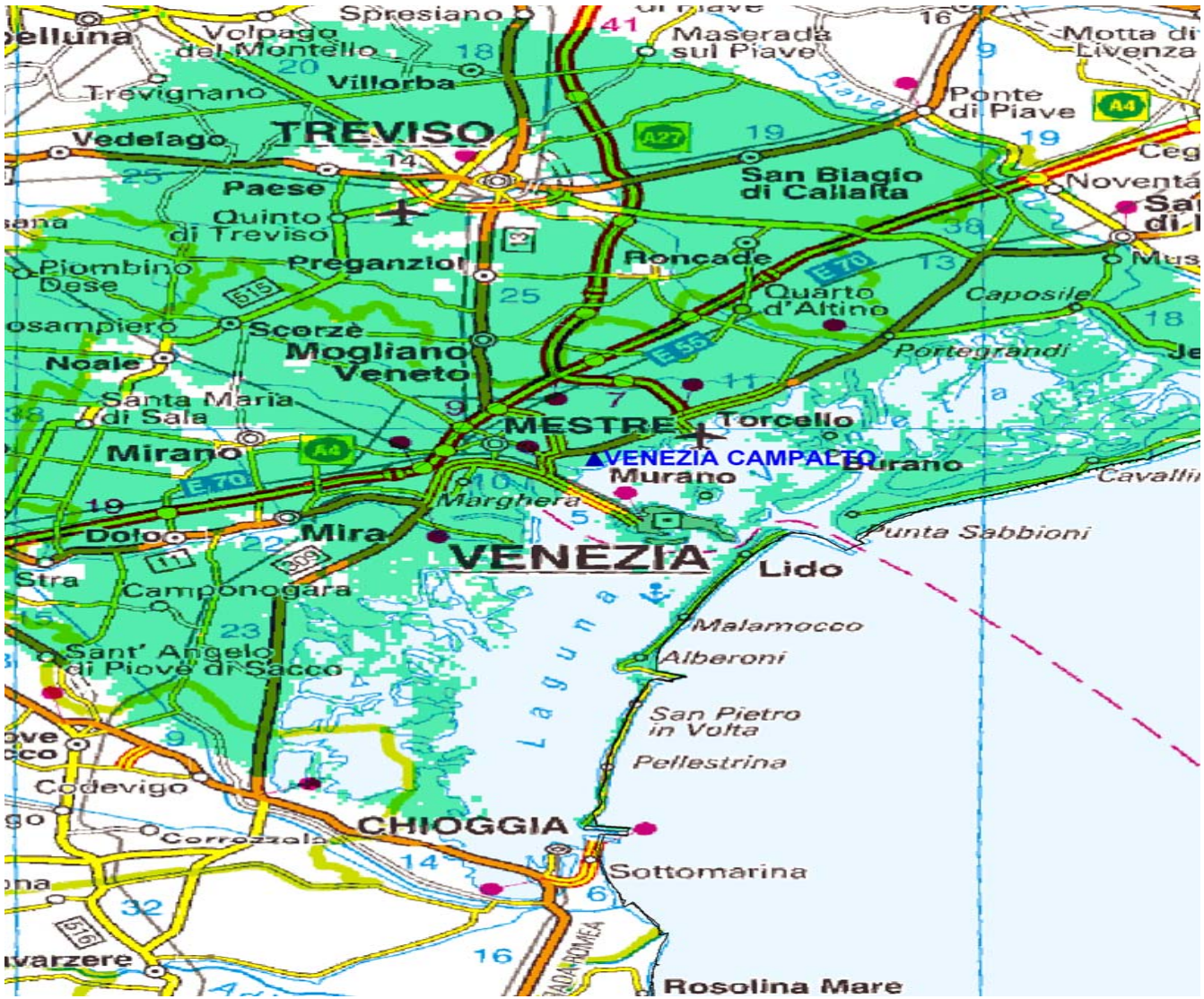


1 kW

Antenna definitiva

Impianto di Venezia Campalto

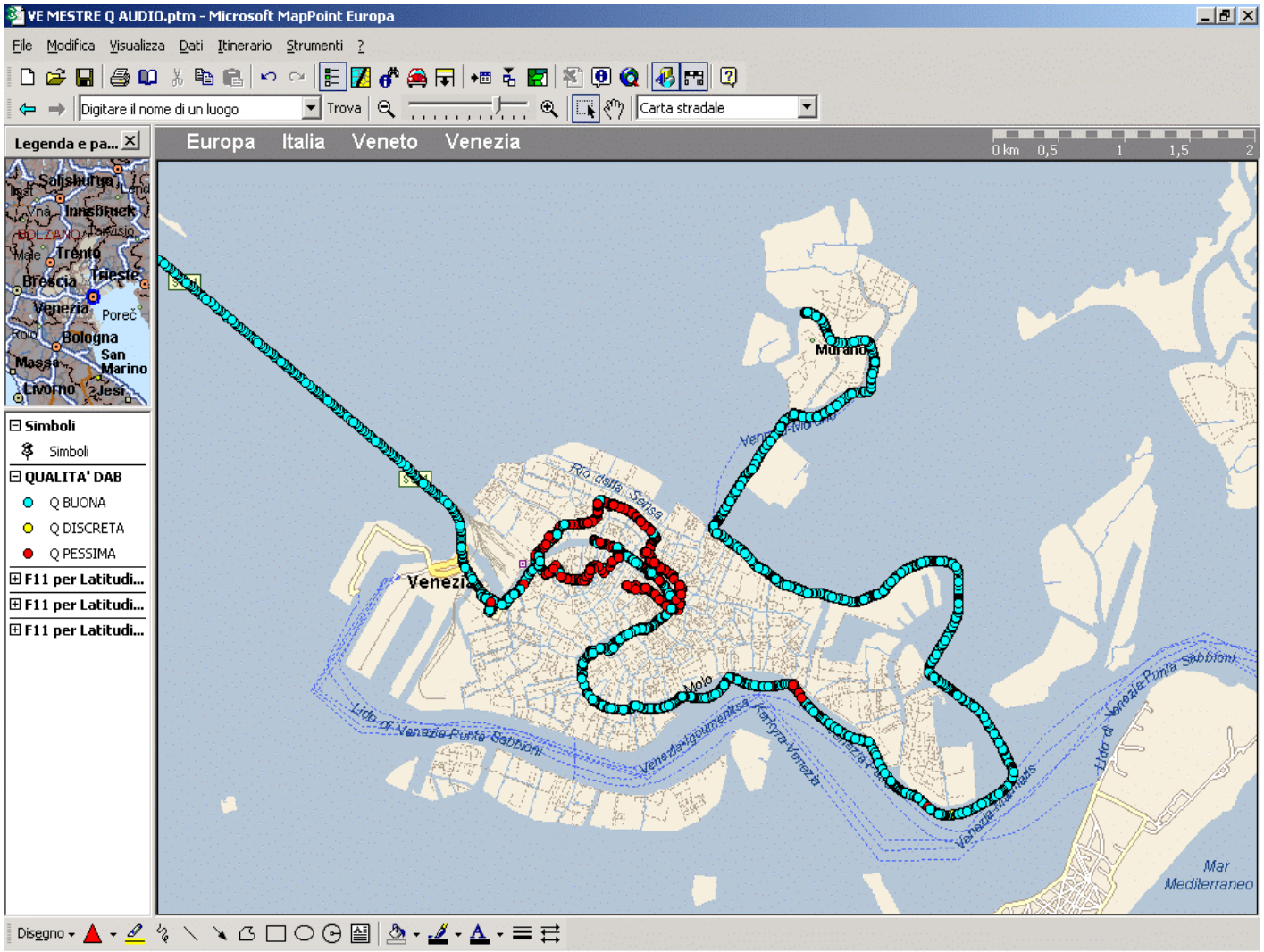
Copertura mobile outdoor



200 W

Impianto di Venezia Campalto

Misure ricezione mobile blocco Aeranti 12B



200 W

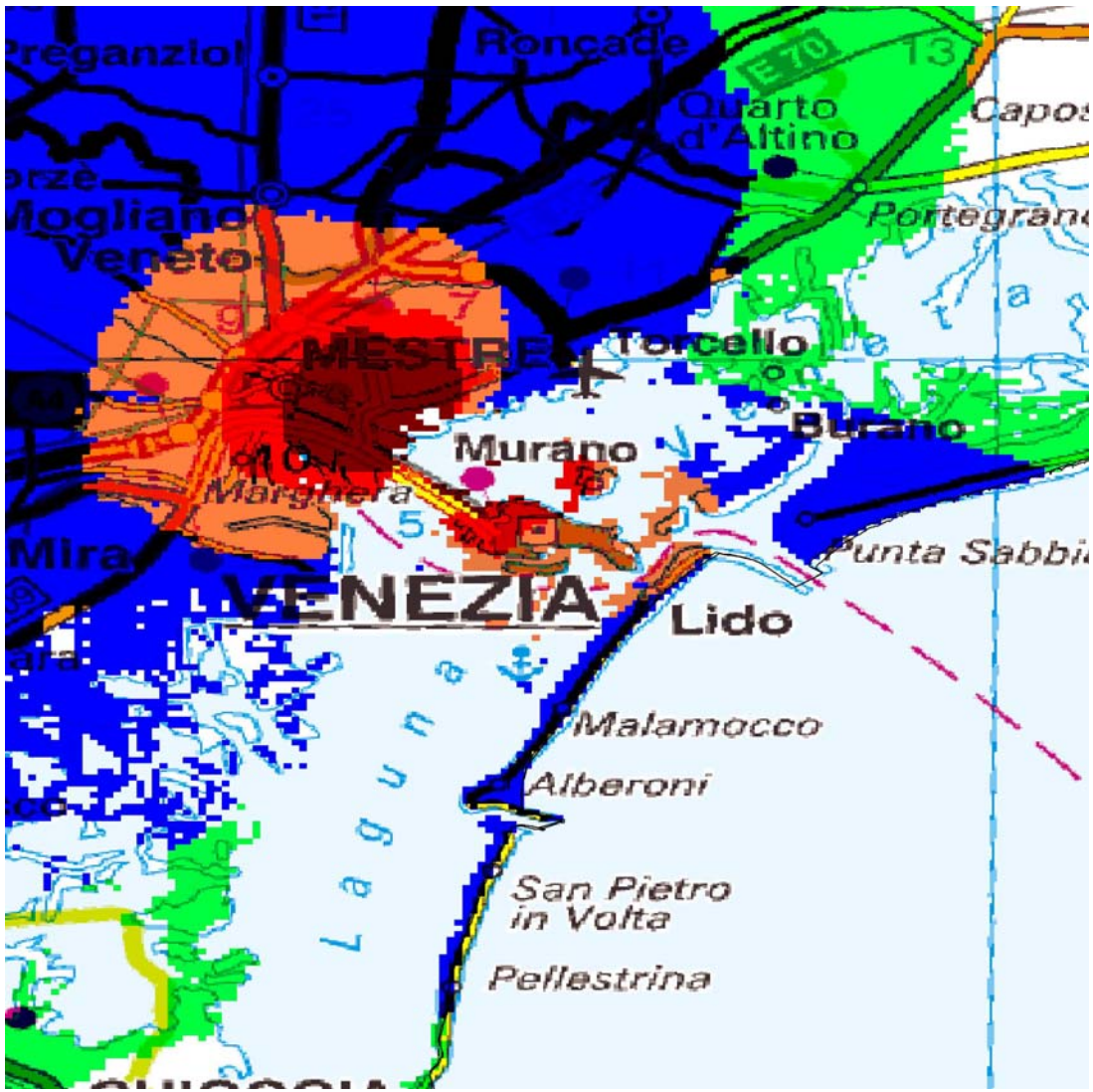
Impianto di Venezia Campalto

Alternative di sperimentazione

- **Integrazione con gap filler cittadino**
- **Integrazione con rete SFN da Monte Venda**

Impianto di Venezia Campalto

Copertura mobile outdoor



> 98

95 - 98

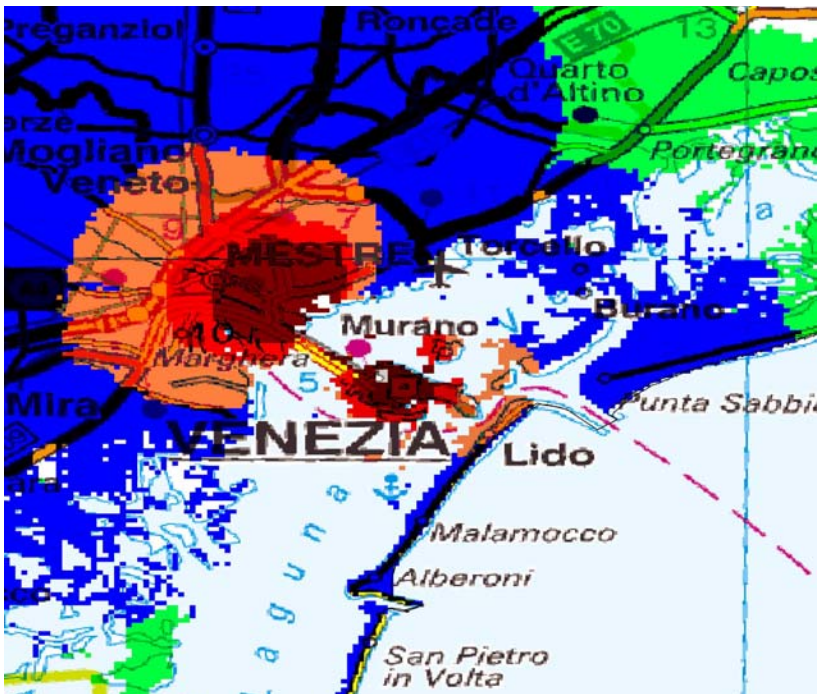
90 - 95

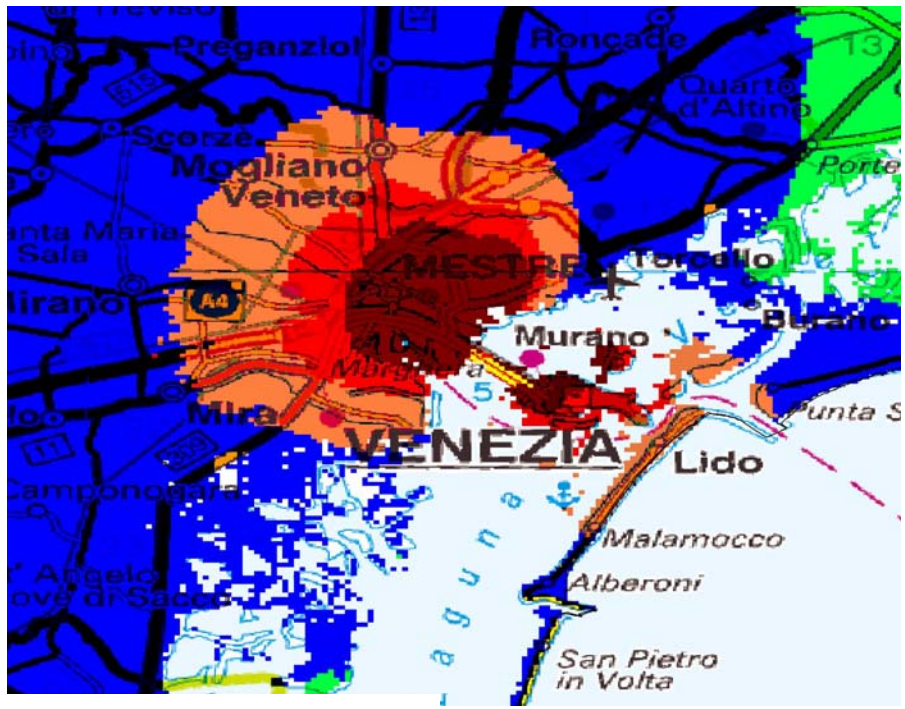
76 - 90

70 - 76

Livelli di campo in dBµ

Impianto di Venezia Campalto





TX Venezia Campalto (600 Watt)
+ gap filler Palazzo Labia (200 Watt)

TX Venezia Campalto (1 kW)
+ Monte Venda* SFN *(1 kW)

Impianto di Venezia Campalto

TX Venezia Campalto (600 Watt)
+ gap filler Palazzo Labia (200 Watt)

TX Venezia Campalto (1 kW)
+ Monte Venda* SFN *(1 kW)