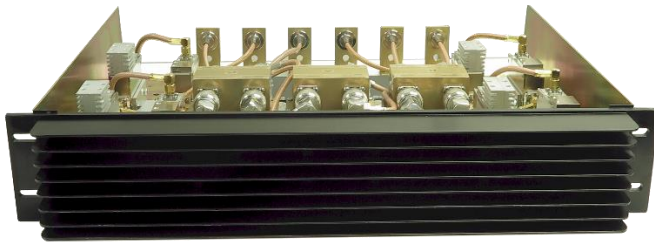


Control Station Combiner CSC-79-04

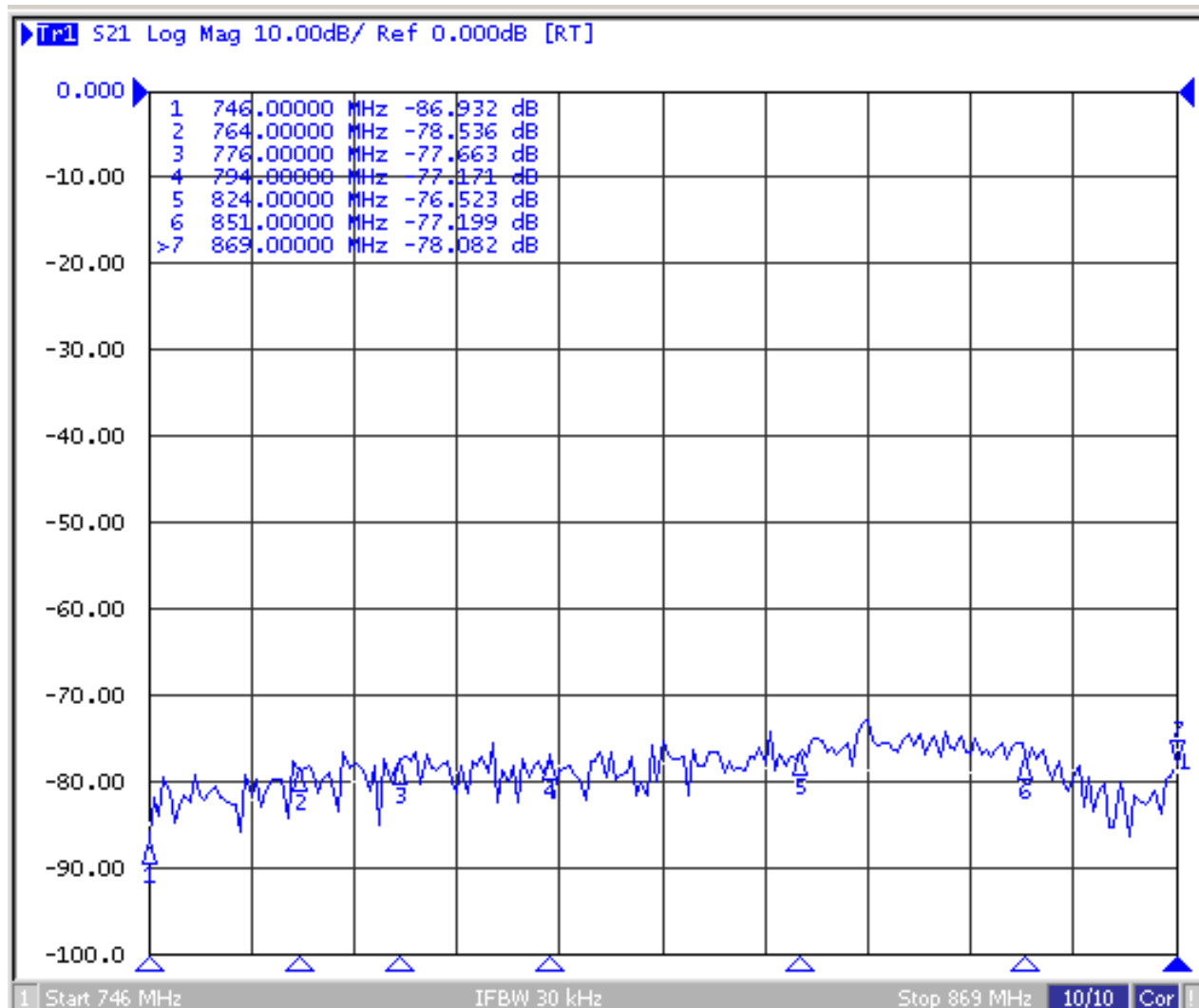
Our Control Station Combiners (CSC) is an ideal solution to reduce the number of antennas required on a communications site by maintaining a high radio-to-radio isolation at all times. It can significantly reduce tower clutter and loading, and simplify cabling installation at control center facilities.

This product provides frequency-agile operation across a frequency range from 746 up to 869 MHz. covering the public safety bands 700 and 800.

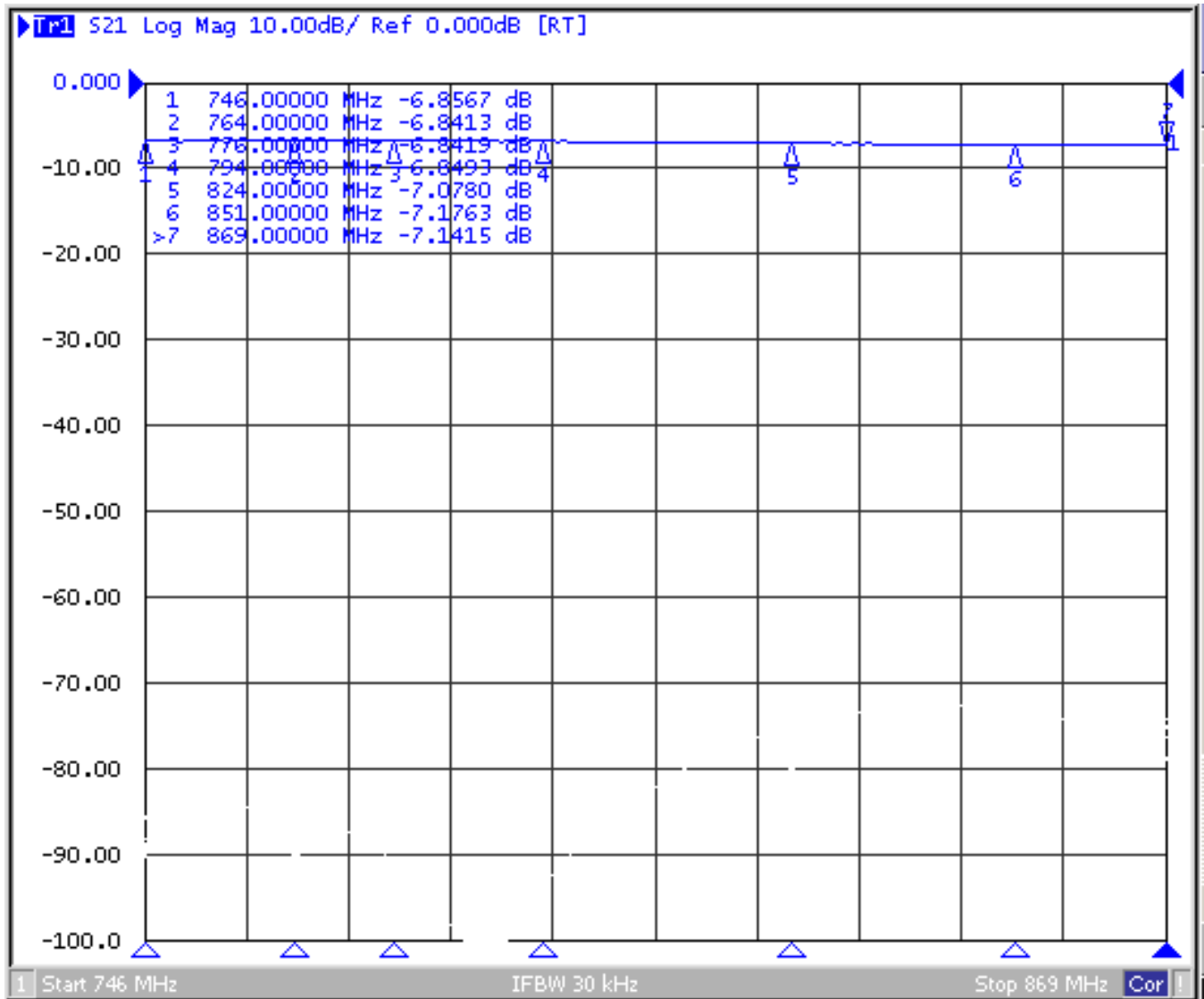
This combiner has the possibilities to be connected to two antennas TX and RX.
In case of only one antenna is used for TX and RX, an external duplexer is required



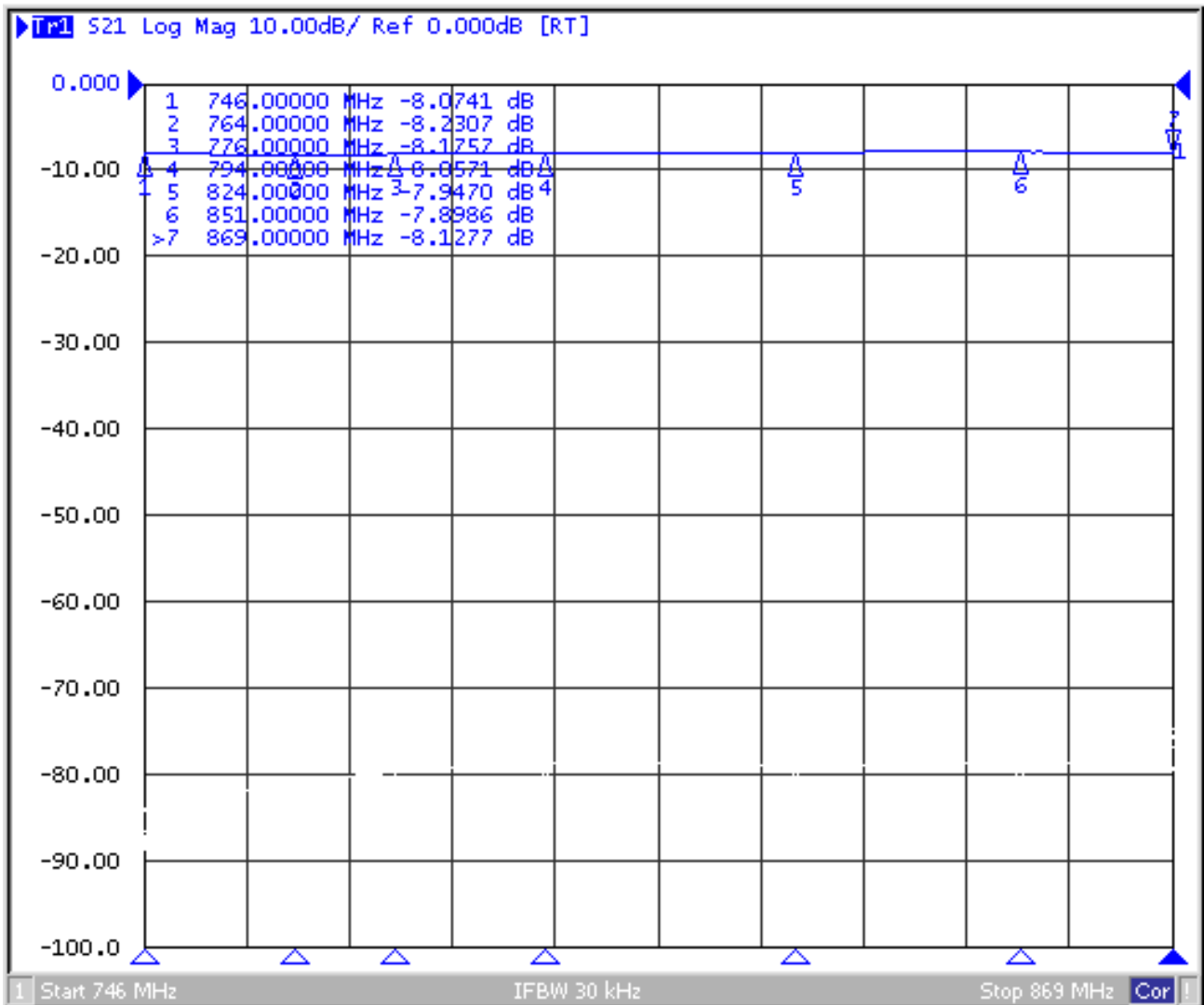
Frequency Band, MHz	746-869
Number of Radio ports	4 (also available in 8, 12, 16 and 32 ports)
Number of Antenna ports	2 (1 RX and 1 TX)
RF Power CW, Watts	50 per channel
Return Loss dB	> 15
ANT to RX Insertion Loss, dB (4 channels)	7.5 Typ. (add 3dB when number of channels is doubled)
TX to ANT Insertion Loss, dB (4 channels)	8.5 Typ. (add 3dB when number of channels is doubled)
RX to RX Isolation, dB	75 Typ , 70 min
TX to TX Isolation, dB	75 Typ , 70 min
Ant to TX isolation, dB	75 Typ , 70 min
Connectors	N (Female)
Dimensions H, W, D, inch (4 channels)	3.5, 19, 15.5 (add 3.5 inch to height when number of channels is doubled)



Typical test results of Radio1-Radio2 Isolation



Typical test results of ANT-RX Insertion Loss



Typical test results of TX-ANT Insertion Loss