

Solution of poor reception for digital terrestrial broadcasting

◇ Measure for digital broadcasting poor reception area

[~*Application*~]

Our handy spectrum analyzer (MSA438/MSA458) can measure wide range span(50kHz~3.3GHz) spectrum data.

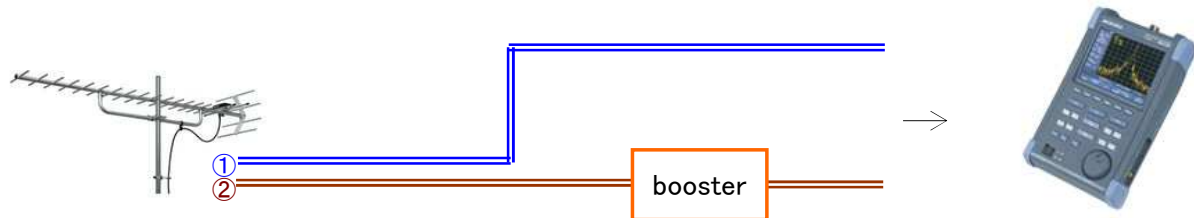
Recently, it has been reported that there is still area of poor reception in inner-city area.

This product have efficacy for digital broadcast poor reception area. It is happened, despite there is enough reception level (40~50dB at end terminal), television not can receive. To measure clearance of dropped ripple is required to solve the problem.

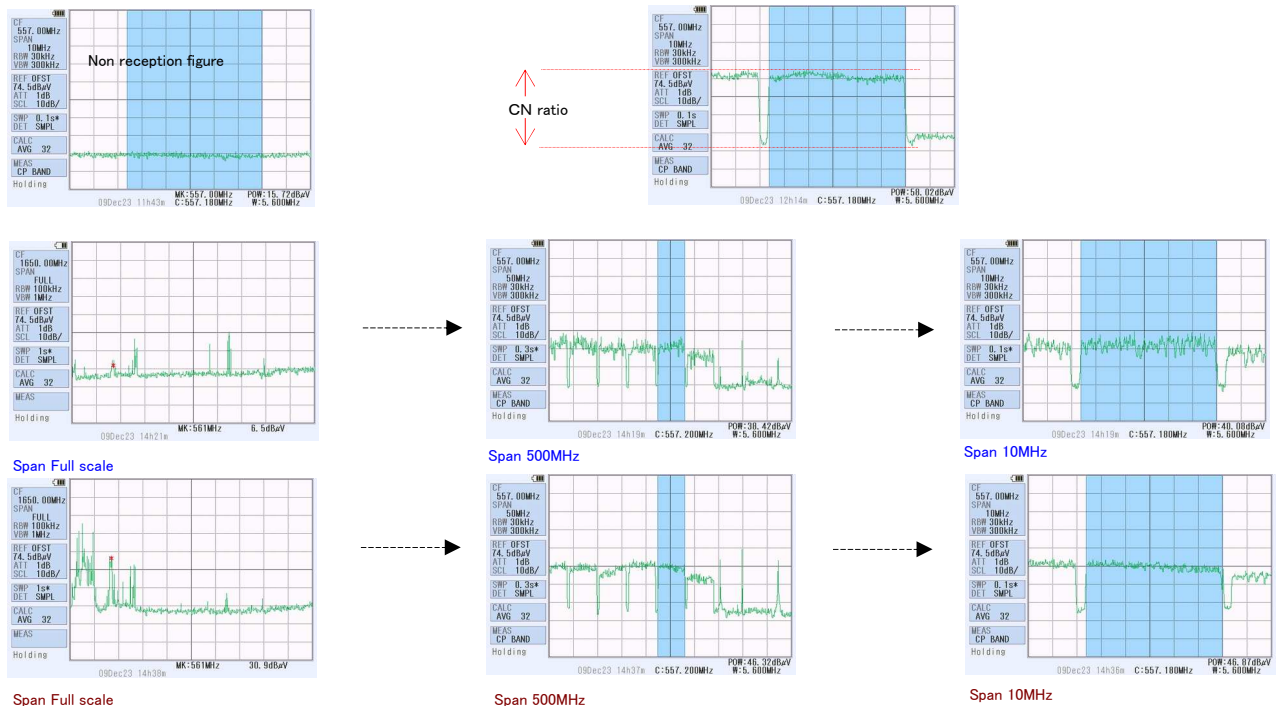
For brief sequence of measurement, Use the full span function in this spectrum analyzer. Indicate wide band spectrum. Narrow down the span. Detect a point of dropped noise. Moreover narrow down the span until the dropped noise is visible in this analyzer screen. This analyzer is helpful for checking phenomenon of multipath and distortion by booster interference.

[~*Solution*~]

(Diagram)



(Measured figure)



[~*System constitution & Price*~]

① [Application of terrestrial broadcasting radio wave reception]

- 3.3GHz Handy Spectrum analyzer MSA438
- Television antenna
- Coaxial cable and connector

② [Application of surveillance]

- 3.3GHz Handy Spectrum analyzer MSA438
- Logging Software MAS410
- Laptop PC