



JRC Radio Monitoring System



About JRC Radio Monitoring System (RMS)

- RMS is a signal strength measurement system for 4G/5G.
- It quickly creates coverage maps by sending signal strength measured at terminals to a server in real time and creating a database of signal strength.
- Since signal strength is measured using the terminals actually used, analysis closer to actual use is possible than when using a dedicated drive test tool.
- Coverage maps can be created more quickly than with a drive test tool because multiple terminals can be measured at the same time.
- Using the measured data, various analyses are possible, such as coverage range for each base station, handover points, and blind zones.

Functionalities

- Web Dashboard
- RSRP Map(Signal Strength Analysis)
- FTP(Throughput Analysis)
- Signal Strength Graph
- RMS Client Application

Web Dashboard



The dashboard screen lists various information.

- RSRP Map: Coverage map
- Server Status: Server resource usage status
- Online Users: List of connected users
- Online Status: History of the number of connected users
- Upload Data: History of the number of data uploads
- RSRP Stat Info: Field strength statistics by level

■ RSRP Map(Signal Strength Analysis)



The RSRP Map screen allows analysis of received signal strength with raw or statistical data. It also shows blind zones where terminals could not connect to the base station, which is useful for enhancing the coverage area. It helps in tuning handover parameters by clearly indicating the point where the handover took place. Filtering by base station, signal strength, and measurement date and time is possible.

■ RMS Client Application



Network Status Signal Status FTP(Speed Test)



Signal Meter eNB Navigator LTEBox Navigator

The RMS client application sends measured data to the server and also has functions to help maintain and inspect the user's network connection status.

■ FTP(Throughput Analysis)



Capable of providing the Throughput measurement (FTP) while moving and Signal quality analysis by throughput.

■ Height Map (LOS Analysis)



Capable of displaying the altitude profile between the base station and the user's location, and performing LOS/NLOS determination.

► Derivative Application Base Station Navigator



A derivative application of RMS and works in conjunction with base stations. With this app, users can check the location and signal status of base stations.

*Specifications are subject to change without notice.



Japan Radio Co., Ltd.

Japan Radio Co., Ltd.
1-12, Fukuoka 2-chome,
Fujimino-shi, Saitama
356-8580, Japan

Web / E-mail
www.jrclte.com
jrclteweb@jrclte.com