

Verifying network installations and modifications

Manpower for maintenance, upgrades, and general network evolution is invariably a costly aspect of network operations. With this in mind AND has, over recent years, looked at possible ways to help increase productivity for field staff and at the same time reduce expenditure.

AND Verify option, with its interface to KWS VAROS 107 measurement equipment (DOCSIS), enables the reliable verification of network installations and modifications.

Using AND WebAccess, field technicians can compare AND calculations with measurement results. A warning is issued if there is a tolerance violation allowing the technician to take immediate action to analyse and resolve issues. Reports can be transferred effortlessly to the AND documentation system for later review.

Connect the VAROS 107 test & measurement device via WLAN to your mobile device, e.g. tablet or iPad. Tests can then be initiated via AND WebAccess.

Simply select the pre-defined test point in the AND documentation and start RF measurements for the given channel raster.

Results are directly compared with AND calculations and if anything is outside the tolerance this is then shown in red.

Saved measurement results can be sent to the AND server.

Back in the office the measurement results of an AND project can be reviewed in the AND client. By modifying tolerances, the measurements can be compared once more with the adjusted AND calculations.

Calculated	QAM 256	256-QAM	Measured 1	Measured 2	Tolerance
300.00	QAM 256	256-QAM	66.4	67.1	≥40.0
390.00	QAM 256	256-QAM	65.9	66.8	≥40.0
400.00	QAM 256	256-QAM	67.1	68.0	≥40.0
644.00	QAM 256	256-QAM	71.0	71.4	≥40.0
781.00	QAM 256	256-QAM	60.4	61.0	≥40.0
800.00	QAM 256	256-QAM	59.2	60.1	≥40.0
874.00	QAM 256	256-QAM	68.0	68.7	≥40.0
1090.00	QAM 256	256-QAM	71.2	81.2	≥40.0
1171.00	QAM 256	256-QAM	65.3	66.6	≥40.0
1200.00	QAM 256	256-QAM	59.2	61.5	≥40.0

Continuous Measurement [] Description

Measure Attenuation 0dB Save

Figure 1: AND Verify compares calculations and measurements