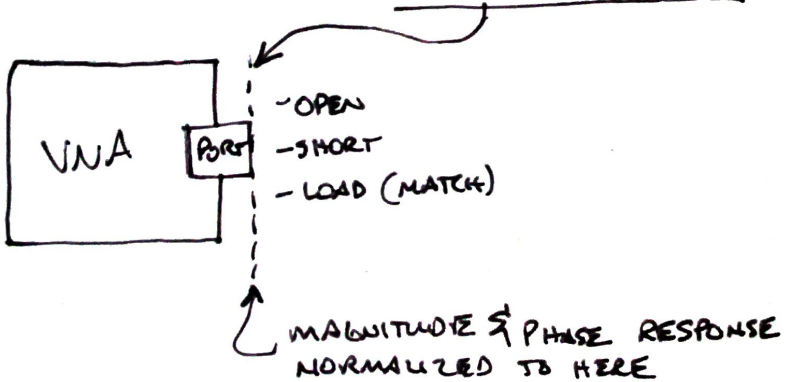


PORT EXTENSION ON THE NANO VNA

- REMEMBER, USER CALIBRATION...

- CORRECTS FOR SYSTEMATIC ERRORS
 - FREQUENCY RESPONSE / TRACKING
 - SOURCE MATCH
 - LEAKAGE & CROSS TALK

- ESTABLISHES THE CALIBRATION PLANE



BUT: WHAT IF YOUR DUT DOESN'T ATTACH THE SAME WAY AS YOUR OPEN - SHORT - LOAD CAL STANDARDS? ?

• MAYBE YOU NEED...

- FIXTURE, ADAPTER
- CABLE

• OR YOUR DUT ISN'T DIRECTLY ACCESSIBLE

ANSWER IS...

W2AEW

(2)

PORT EXTENSION

• ALLOWS YOU TO "MOVE" THE CALIBRATION PLANE TO THE END OF YOUR FIXTURE, ADAPTER, CABLE, ETC.

• VERY HANDY, BUT NOT PERFECT...

- ASSUMES THAT THE EXTENSION IS SIMPLY CHANGING/EXTENDING THE LENGTH (DELAY) OF THE SOURCE LINE

- DOESN'T ACCOUNT FOR Z DISCONTINUITIES OF ADAPTER OR FIXTURE

- FOR MOST AMATEUR/HOBBY USE - ITS OK

THE NANOVNA REFERS TO THIS AS ELECTRICAL DELAY

... LETS GO SEE HOW TO USE IT...