BRYANT SOLUTIONS®
RF ENGINEERING & TRAINING SERVICES

DEVICE SETUP	Rohde & Schwarz (R&S) PR200 Receiver Setup Procedure for Low Noise Applications
RELATED DOCUMENTS	Bryant Solutions' Reference Manual.
WARNING	When interference is detected, <u>always</u> verify it is not due to test unit saturation. Refer to Bryant Solutions' Reference Manual for saturation testing procedures.

1) MODE/DISPLAY
   a) **APP → F1 →** SELECT RECEIVER
   b) **DISP → LAYOUT →** SELECT PREFERRED SCREEN LAYOUT (SUCH AS SPECTRUM)
   c) **APP CONFIG →** SELECT VFO-A OR VFO-B (SUCH AS VFO-A)

2) VERTICAL RANGE
   a) **RANGES → LEVEL REF. →** ENTER LEVEL REFERENCE (SUCH AS -50 dBm)
   b) **RANGES → LEVEL RANGE →** ENTER LEVEL RANGE (SUCH AS 100 dB)

3) FREQUENCY & SPAN
   a) **FREQ → CENTER →** ENTER CENTER FREQUENCY
   b) **FREQ → CONFIG → AFC →** SELECT OFF
   c) **SPECTRUM → SPAN →** ENTER FREQUENCY SPAN

4) BW SETTING
   a) **DEM/BW → CONFIG → MEASURE TIME →** SELECT AUTO
   b) **SPECTRUM → RESOLUTION →** SELECT AUTO

5) SWEEP/TRACE
   a) **DEM/BW → CONFIG →** SELECT CONTINUOUS
   b) **SPECTRUM → FFT DET →** SELECT AVERAGE

6) INTERNAL AMP/ATTEN
   a) **GAIN → ATT →** ENTER 0 dB
   b) **GAIN → AMP →** SELECT LOW NOISE
   c) **GAIN → MGC →** SELECT OFF

7) TONE SETUP (OPTIONAL)

    a) DEM/BW → TONE → SELECT ON

    b) DEM/BW → DEM → SELECT PULSE

    c) DEM/BW → BW → ENTER 500 kHz

    d) DEM/BW → SQUELCH → SELECT ON & SELECT SQUELCH LEVEL

    e) If interference is a CW, its center frequency is drifting, and the changes are within the defined bandwidth selected above (7d), then set **AFC (Automatic Frequency Control) = ON** (see step 3b); otherwise, set it to **OFF**. The AFC feature automatically centers drifting signals. The changes in center frequency must occur within the defined bandwidth for this feature to work.