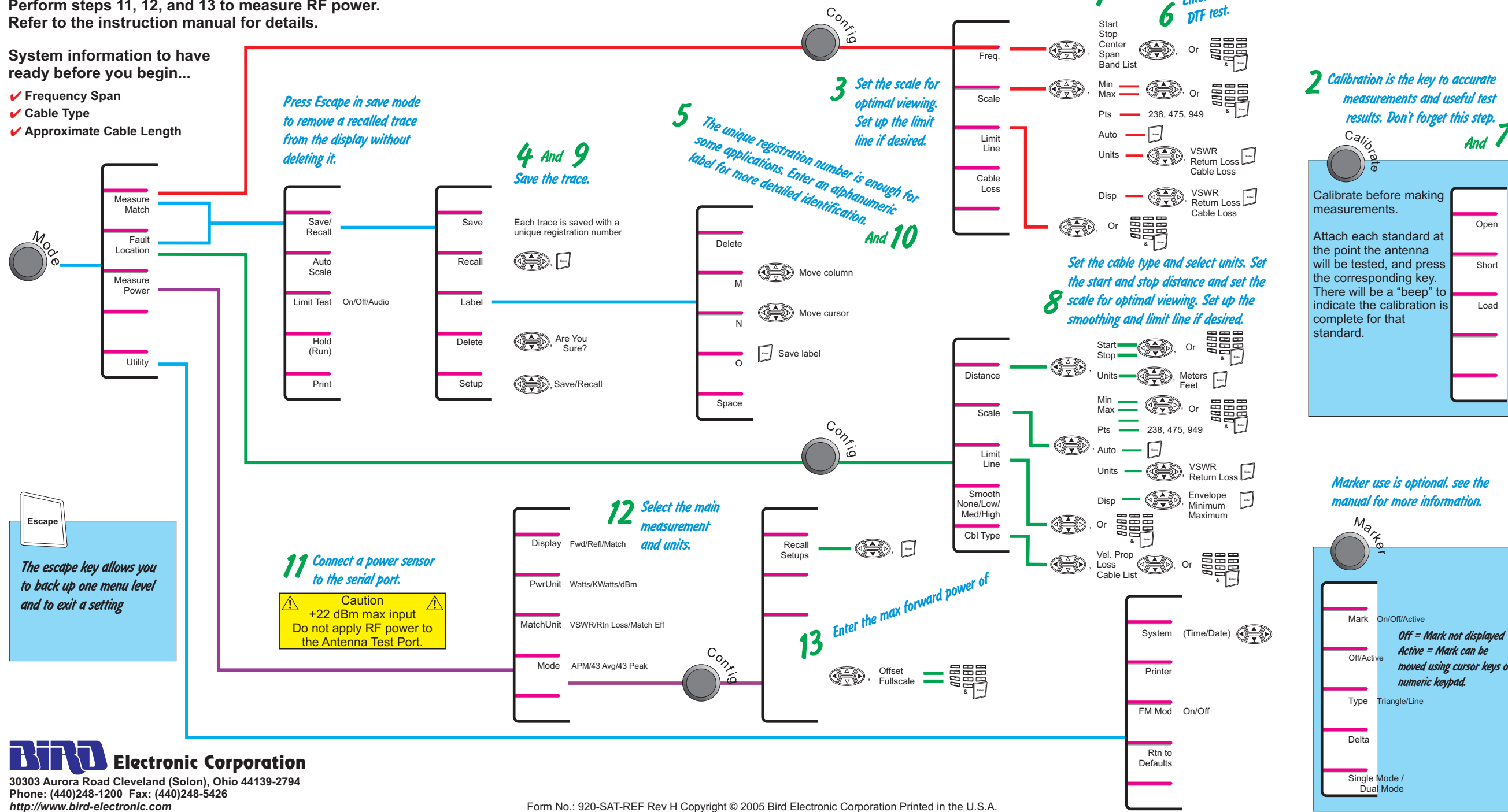


# Site Analyzer™ Quick Start and Reference Card

Perform steps 1 – 5 for a Measure Match (Sweep) test. Perform steps 6 – 10 for a Fault Location (DTF) test. Perform steps 11, 12, and 13 to measure RF power. Refer to the instruction manual for details.

System information to have ready before you begin...

- ✓ Frequency Span
- ✓ Cable Type
- ✓ Approximate Cable Length



Press Escape in save mode to remove a recalled trace from the display without deleting it.

**4 And 9**  
Save the trace.

**5** The unique registration number is enough for some applications. Enter an alphanumeric label for more detailed identification. **And 10**

**3** Set the scale for optimal viewing. Set up the limit line if desired.

**1** Enter system frequency for measure match test.  
**6** Enter frequency span from chart on reverse side for DTF test.

**2** Calibration is the key to accurate measurements and useful test results. Don't forget this step. **And 7**

**8** Set the cable type and select units. Set the start and stop distance and set the scale for optimal viewing. Set up the smoothing and limit line if desired.

**11** Connect a power sensor to the serial port.

**Caution**  
+22 dBm max input  
Do not apply RF power to the Antenna Test Port.

**12** Select the main measurement and units.

**13** Enter the max forward power of

**Calibrate**

Calibrate before making measurements.

Attach each standard at the point the antenna will be tested, and press the corresponding key. There will be a "beep" to indicate the calibration is complete for that standard.

- Open
- Short
- Load

**Marker**

Marker use is optional, see the manual for more information.

- Mark On/Off/Active
- Off/Active
- Type Triangle/Line
- Delta
- Single Mode / Dual Mode

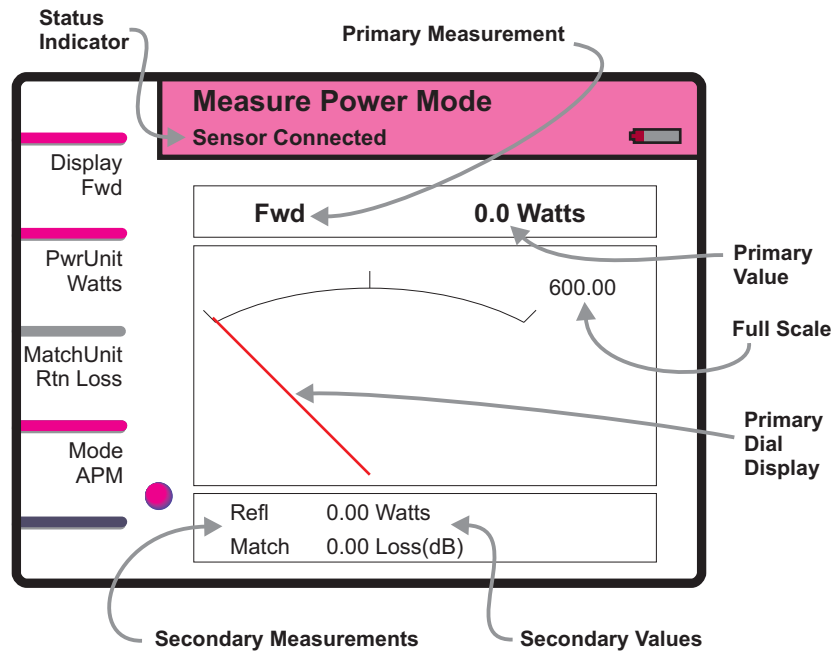
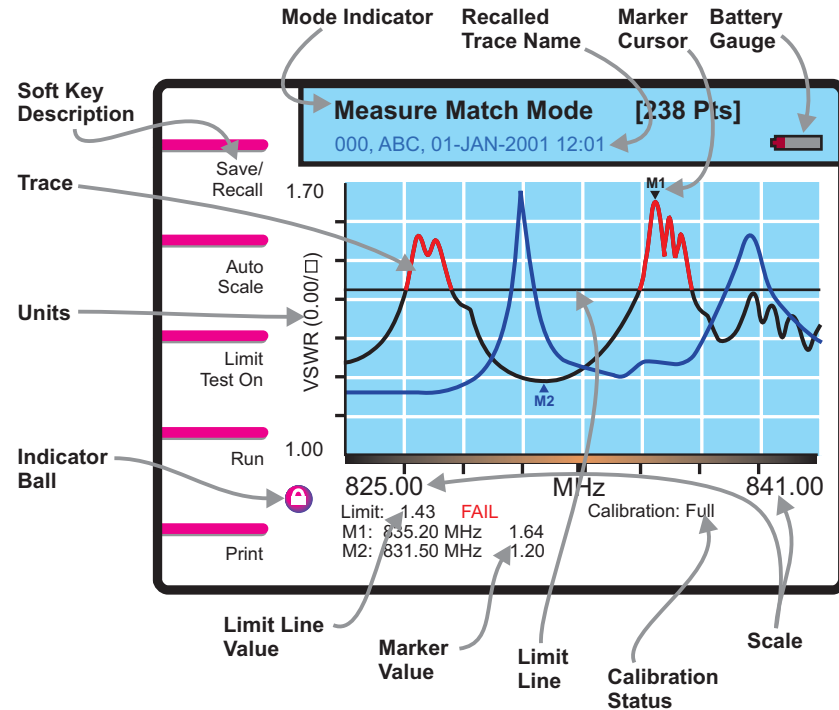
# Distance to Fault Chart

Maximum distance and resolution (238 points) given cable velocity and frequency span. Refer to the user's manual (Chapter 4) for improved performance at 475 points and 949 points

Velocity Percent	66%				88%			
	Distance m	Distance ft	Resolution cm	Resolution in	Distance m	Distance ft	Resolution cm	Resolution in
25	937.9	999.9	395.7	155.8	999.9	999.9	527.6	207.7
50	468.9	999.9	197.9	77.9	625.2	999.9	263.8	103.8
75	312.6	999.9	131.9	51.9	468.8	999.9	175.9	69.2
100	234.5	769.2	98.9	38.9	312.6	999.9	131.9	51.9
200	117.2	384.6	49.5	19.5	156.3	512.8	66.0	26.0
300	78.2	256.4	33.0	13.0	104.2	341.9	44.0	17.3
400	58.6	192.3	24.7	9.7	78.2	256.4	33.0	13.0
500	46.9	153.8	19.8	7.8	62.5	205.1	26.4	10.4
600	39.1	128.2	16.5	6.5	52.1	170.9	22.0	8.7
700	33.5	109.9	14.1	5.6	44.7	146.5	18.8	7.4
800	29.3	96.2	12.4	4.9	39.1	128.2	16.5	6.5
900	26.1	85.5	11.0	4.3	34.7	114.0	14.7	5.8
1000	23.4	76.9	9.9	3.9	31.3	102.6	13.2	5.2
1500	15.6	51.5	6.6	2.6	20.8	68.4	8.8	3.5
2000	11.7	38.5	4.9	2.0	15.6	51.3	6.6	2.6
2500	9.4	30.8	4.0	1.6	12.5	41.0	5.3	2.1
3000	7.8	25.6	3.3	1.3	10.4	34.2	4.4	1.7
3500	6.7	22.0	2.8	1.1	8.9	29.3	3.8	1.5
4000	5.9	19.2	2.5	1.0	7.8	25.6	3.3	1.3
4500	5.2	17.1	2.2	0.9	6.9	22.8	2.9	1.2
5000	4.7	15.4	2.0	0.8	6.3	20.5	2.6	1.0
5500	4.3	14.0	1.8	0.7	5.7	18.6	2.4	0.9
5975	3.9	12.9	1.7	0.7	5.2	17.2	2.2	0.9

$Frequency\ Span\ (MHz) = Stop\ Frequency\ (MHz) - Start\ Frequency\ (MHz)$   
 $Distance\ (ft) = Velocity\ of\ Propagation\ (Vp) \times 117,000 / Frequency\ Span\ (MHz)$   
 $Resolution\ (in) = Distance\ (ft) \times 12 / (238\ Data\ Points - 1)$   
 $Distance\ (m) = Velocity\ of\ Propagation\ (Vp) \times 35,500 / Frequency\ Span\ (MHz)$   
 $Resolution\ (cm) = Distance\ (m) \times 100 / (238\ Data\ Points - 1)$   
 Note: Maximum Distance is 999.9

# Screen Description



# Component Description

