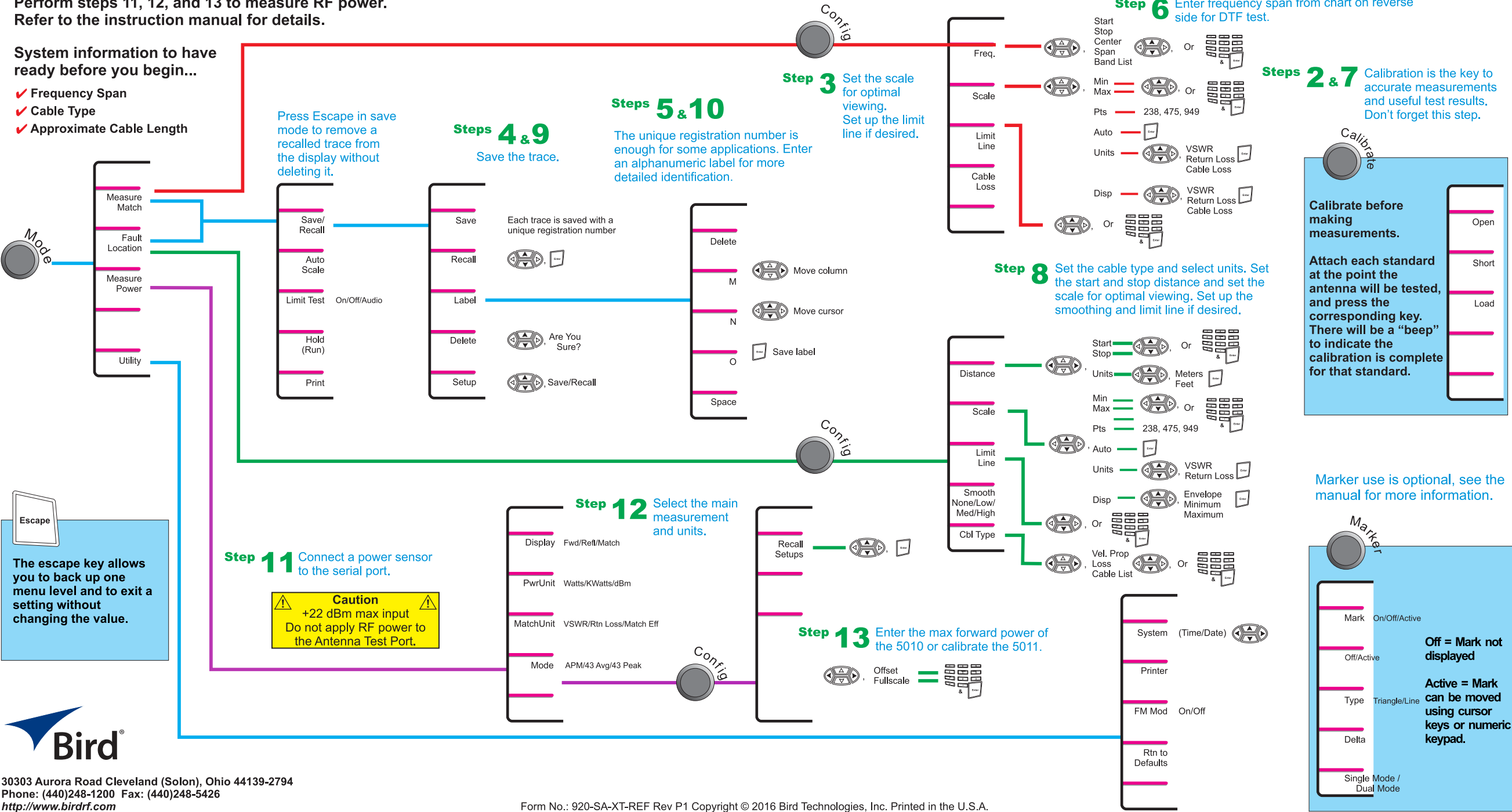


Site Analyzer™ Quick Start and Reference Card

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



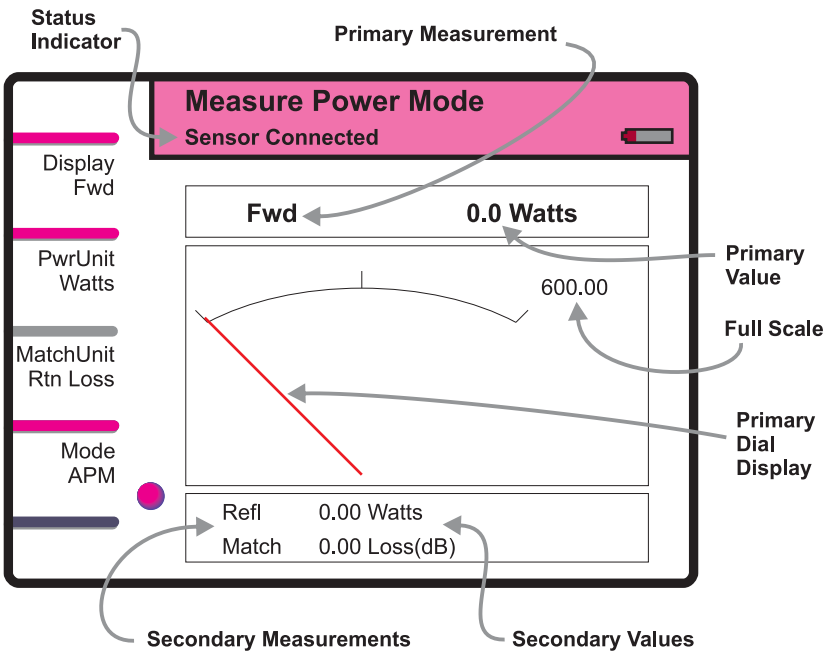
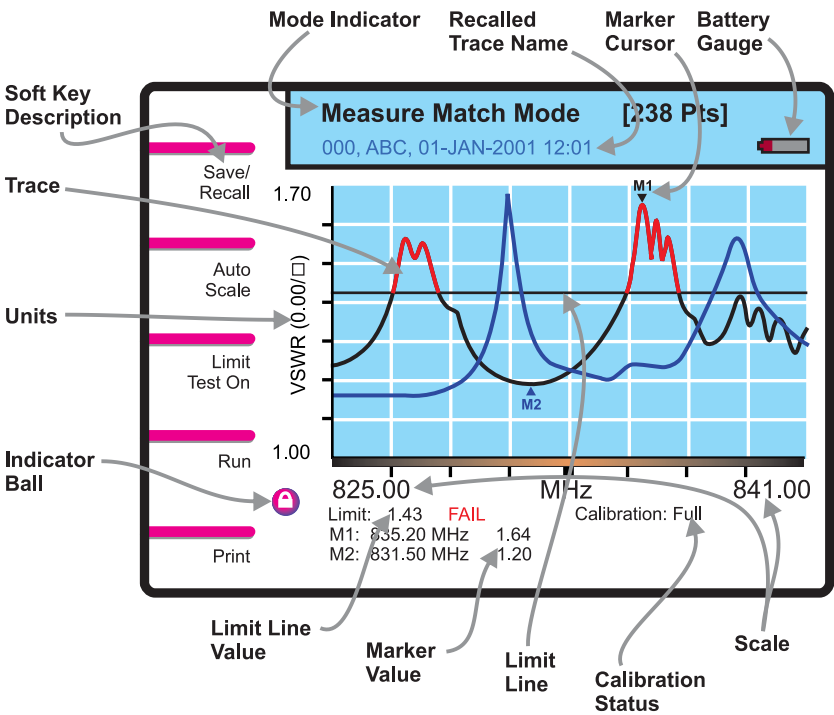
Distance to Fault Chart

Maximum distance and resolution (238 points) given cable velocity and frequency span. Refer to the appendix in the user's manual (920-SA-XT) for improved performance at 475 points and 949 points.

Fault Location Distance and Resolution - 238 Data Points								
Vel Prop	0.66				0.88			
Freq Span (MHz)	Max Distance ft	m	Resolution in	cm	Max Distance ft	m	Resolution in	cm
25	999.9	937.9	155.8	395.7	999.9	999.9	207.7	527.6
50	999.9	468.9	77.9	197.9	999.9	625.2	103.9	263.8
75	999.9	312.6	51.9	131.9	999.9	416.8	69.2	175.9
100	769.2	234.5	38.9	98.9	999.9	312.6	51.9	131.9
200	384.6	117.2	19.5	49.5	512.8	156.3	26.0	66.0
300	256.4	78.2	13.0	33.0	341.9	104.2	17.3	44.0
400	192.3	58.6	9.7	24.7	256.4	78.2	13.0	33.0
500	153.8	46.9	7.8	19.8	205.1	62.5	10.4	26.4
600	128.2	39.1	6.5	16.5	170.9	52.1	8.7	22.0
700	109.9	33.5	5.6	14.1	146.5	44.7	7.4	18.8
800	96.2	29.3	4.9	12.4	128.2	39.1	6.5	16.5
900	85.5	26.1	4.3	11.0	114.0	34.7	5.8	14.7
1000	76.9	23.4	3.9	9.9	102.6	31.3	5.2	13.2
1500	51.3	15.6	2.6	6.6	68.4	20.8	3.5	8.8
2000	38.5	11.7	1.9	4.9	51.3	15.6	2.6	6.6
2500	30.8	9.4	1.6	4.0	41.0	12.5	2.1	5.3
3000	25.6	7.8	1.3	3.3	34.2	10.4	1.7	4.4
3500	22.0	6.7	1.1	2.8	29.3	8.9	1.5	3.8
4000	19.2	5.9	1.0	2.5	25.6	7.8	1.3	3.3
4500	17.1	5.2	0.9	2.2	22.8	6.9	1.2	2.9
5000	15.4	4.7	0.8	2.0	20.5	6.3	1.0	2.6
5500	14.0	4.3	0.7	1.8	18.6	5.7	0.9	2.4
5975	12.9	3.9	0.7	1.7	17.2	5.2	0.9	2.2

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

Screen Description



Component Description

