

Notes for measurements on SR785 to produce ASD (Noise) plots.

Preet Baxi (preetb@umich.edu)

1. System -> Preset -> Enter : restore everything to factory
2. Display Setup ->
3. Measurement group -> FFT
4. Measurement -> FFT 2
5. View -> Log mag
6. Units ->
7. dB Units -> OFF
8. Pk. units -> RMS
9. PSD Units -> ON
10. Phase units -> deg (not needed here)
11. dBm Ref. impedance-> 50 ohms
12. Display options ->
13. Display -> Live
14. Format -> Single
15. RPM Freq -> Off
16. Grid -> On
17. Grid Div -> 10
18. Phase Suppression -> 0
19. d/dx window % -> 0.5
20. Input ->
21. Input Source -> Analog
22. Analyzer Config -> Dual Chan.
23. Input Config ->
24. Channel -> Ch2
25. Input Mode -> A-B
26. Ch2 coupling -> AC
27. Input range -> -50dbVpeak
28. AA Filter -> ON
29. Anti Wt Filter -> OFF
30. Auto Range -> Up Only
31. Auto Offset -> Off
32. Average ->
33. Compute Averages -> YES
34. Average Type -> Linear/Fixed Length
35. # of Avgs -> 10
36. Display Average -> RMS
37. Time Record Increment -> 100%
38. Average preview -> OFF
39. Preview Time -> 2 sec
40. Output ->
41. Hard Copy Button -> ASCII Dump
42. Bitmap / Printer -> PC X 8 bit
43. Bitmap area -> Graphs
44. Vector / Plotter -> PostScript
45. Destination -> Disk File
46. Freq ->
47. # of lines -> 800
48. First Span (4 Hz to 3.2 KHZ)
49. Start
50. Print Screen (To capture data)
51. Span up -> 3 times
52. Second Span (32 Hz to 25.6 KHZ)
53. Start
54. Print Screen (To capture data)
55. Span up -> 2 times
56. Third Span (128 Hz to 102.4 KHZ)
57. Start
58. Print Screen (To capture data)