

Notes for measurements on SR785 to produce transfer function and phase plots.

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1. System -> Preset -> Enter : restore everything to factory
2. Display Setup ->
3. Measurement group -> Swept Sine
4. Measurement -> Frequency Response (Freq. Resp.)
5. View -> Linear mag
6. Units ->
7. dB Units -> OFF
8. Pk. units -> OFF
9. PSD Units -> OFF
10. Phase units -> deg
11. dBm Ref. impedance-> 50 ohms
12. Active display -> bottom display
13. Measurement group -> Swept sine
14. Measurement -> Frequency Response (Freq Res)
15. View -> Phase
16. Units ->
17. dB Unit -> Off
18. Pk. Units -> Off
19. dB Ref. impedance -> 50 Ohms
20. Display options ->
21. Display -> Live
22. Format -> Dual
23. RPM Freq -> Off
24. Grid -> On
25. Grid Div -> 10
26. Phase Suppression -> 0
27. d/dx window % -> 0.5
28. Input ->
29. Input Source -> Analog
30. Analyzer Config -> Dual Chan.
31. Input Config ->
32. Channel -> Ch1
33. Input Mode -> A-B
34. Ch1 coupling -> AC
35. Input range -> 2dbVpeak
36. AA Filter -> ON
37. Anti Wt Filter -> OFF
38. Auto Range -> Up Only
39. Auto Offset -> Off
40. Channel -> Ch2
41. Input Mode -> A-B
42. Ch2 coupling -> AC
43. Input range -> 2dbVpeak
44. AA Filter -> ON
45. Anti Wt Filter -> OFF
46. Autop Range -> Up Only
47. Auto Offset -> OFF
48. Source ->
49. Auto level ref -> OFF
50. Amplitude -> 1V
51. Source ramping -> OFF
52. Source Ramp Rate -> 1 V/s
53. Offset -> 0.0 mV
54. Average ->
55. Settle Time -> 100 ms (type it in) -> displays as 101.56 ms
56. Settle Cycles -> 2
57. Integration Time -> 100 ms (type it in) -> displays as 101.56 ms
58. Integration Cycles -> 5
59. Freq ->
60. Start -> 102.4KHz (Start at highest)
61. Stop -> 1 KHz
62. Repeat -> Single Shot
63. Type -> Log
64. Auto Resolution -> OFF
65. # of Points -> 100
66. Output ->
67. Hard Copy Button -> ASCII Dump
68. Bitmap / Printer -> PC X 8 bit
69. Bitmap area -> Graphs
70. Vector / Plotter -> PostScript
71. Destination -> Disk File
72. Start
73. Print Screen (To capture data)