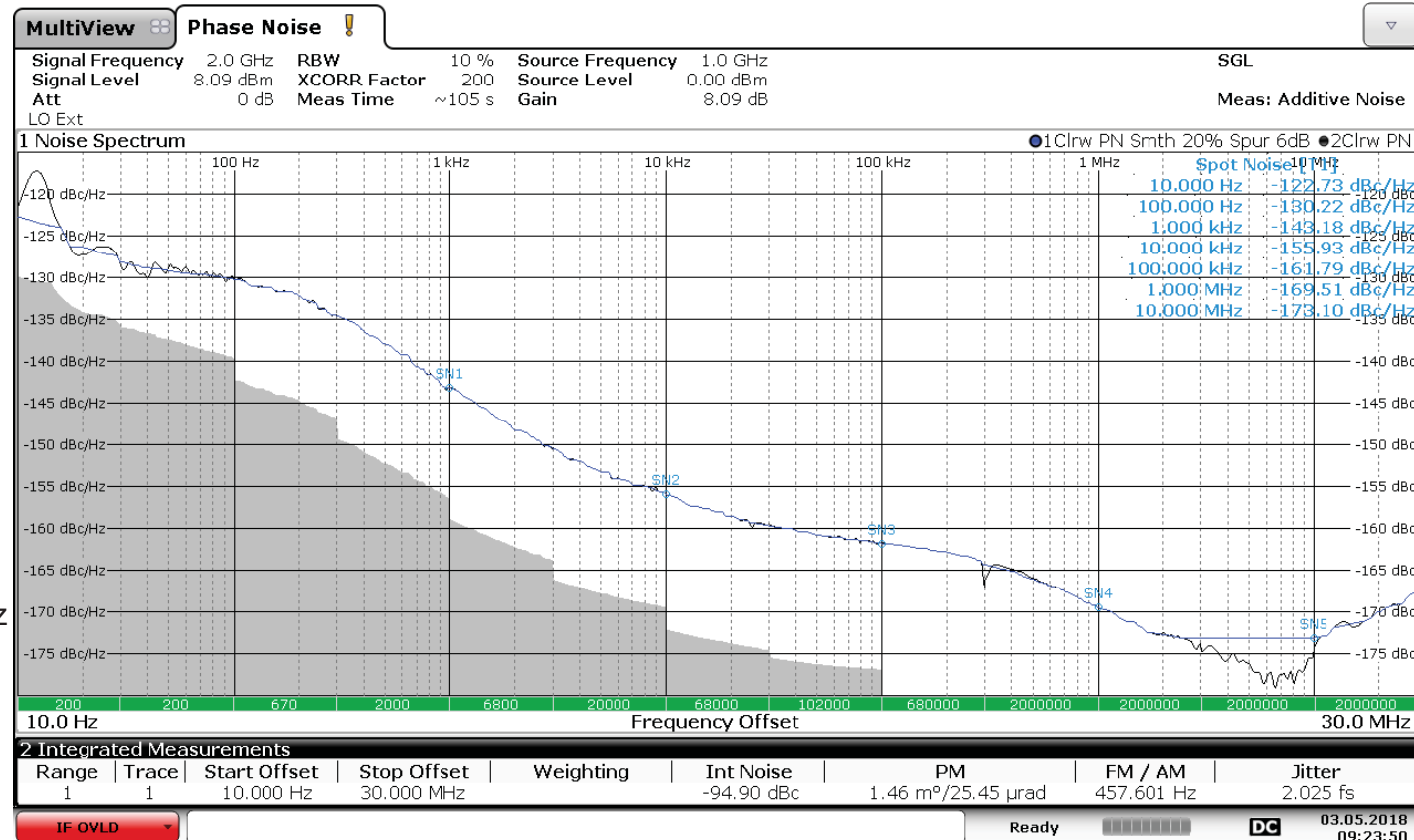


ADL5544

- ▶ 30 MHz to 6 GHz RF/IF Gain Block
- ▶ Fixed gain of 16.6 dB
- ▶ Broadband operation from 30 MHz to 6 GHz
- ▶ Input/output internally matched to 50 Ω
- ▶ Integrated bias control circuit
- ▶ OIP3 of 32.4 dBm at 1900 MHz
- ▶ P1dB of 15.4 dBm at 1900 MHz
- ▶ Noise figure of 3.4 dB at 1900 MHz
- ▶ Single 5 V power supply
- ▶ Low quiescent current of 55 mA
- ▶ Wide operating temperature range of -40°C to $+105^{\circ}\text{C}$
- ▶ Thermally efficient SOT-89 package
- ▶ ESD rating of ± 1.5 kV (Class 1C) to 6 GHz
- ▶ RF/IF Gain Block

2GHz Power in: 0.8dBm Power out: 16.3dBm



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