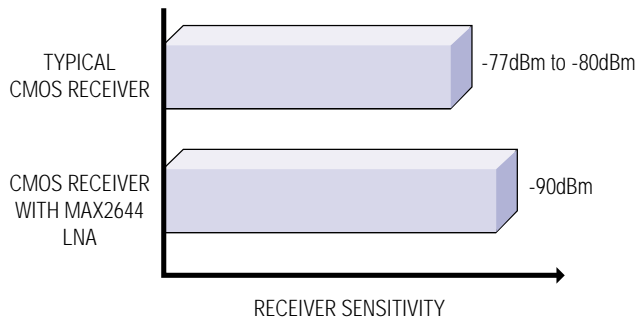
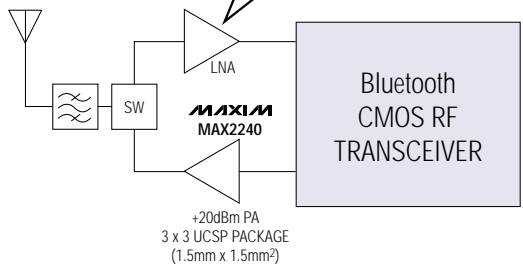


INDUSTRY'S SMALLEST 2.4GHz LNA INCREASES BLUETOOTH RECEIVER SENSITIVITY TO -90dBm

The MAX2644 2.4GHz SiGe LNA is internally matched to 50Ω at the output, saving an inductor and capacitor required in other LNA IC solutions. Total board space required is only 7mm²—ideal for space-sensitive Bluetooth™ modules.



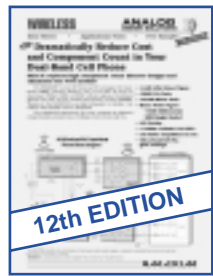
- MAX2644 LNA Features:**
- ◆ 16dB Gain, 2dB NF, -3dBm Input IP3 for 7mA
 - ◆ Adjustable Bias (3mA to 10mA)
 - ◆ +2.7V to +5.5V Supply
 - ◆ SC70-6 Package



A Family of Six High-Performance SiGe LNAs are Available in the Ultra-Small SC70-6 Package, Covering Major Wireless Applications from 800MHz to 2700MHz

PART	TEST FREQUENCY (MHz)	GAIN (dB)	NOISE FIGURE (dB)	INPUT IP3 (dBm)	ADJUSTABLE BIAS	APPLICATIONS
MAX2642/43	900	16.7	1.3	0	Yes	900MHz ISM, cellular, PMR, cordless
NEW MAX2644	2450	16	2.0	-3	Yes	Bluetooth, 802.11, HomeRF™, WCDMA, satellite radio, MMDS
NEW MAX2654	1575	15	1.5	-7	—	GPS
NEW MAX2655	1575	14	1.7	+3	Yes	GPS in cellular phones
NEW MAX2656	1960	13.5	1.9	+1.5	Yes	PCS, DCS, WLL

Bluetooth is a registered trademark of the Bluetooth Special Interest Group.
HomeRF is a registered trademark of the HomeRF Working Group.



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MAX2644/2654-56