

New radio range – cc1310 using two CC1310 Lauchpads and TI SmartRF studio

Test conditions, Cow hill lab, TX/RX set at 50kbps, 2-GFSK, 25kHz deviation for most of testing, also tested at 500kBps, 175khz dev with no real changes, both CC1310 Lauchpad units had low cost PCB antenna

Freq (Mhz)	TX power dBm	RX @1 meter range(dBm)	9 meter range	notes
750	14	-32	-52	all RX is at 0.0% PER and 0.00% Bit error rate and tested at 50k-500kBPS no discernable receive signal loss
850		-20		
868		-20	-49	
950		-32		
1000		-39	-70	
1100		-50		Would go from -70 to -80 by just walking around room between TX and RX units
868	-10		-72	
868 OFF			-93	