

8 Technical specifications

Operation frequency ranges:

L*	136-155 MHz
H	155-174 MHz

*Configuration required:

Channel Spacing	12.5 kHz
Inner Band frequency separation	20 MHz

Rx mode:

Sensitivity	-117 dBm /12 Db sinad
Bit error level sensitivity	-118 dBm
Adjacent channel selectivity	58 dB (ch.sep. 12.5KHz)
Intermodulation response	65 Db
Data out signal	200 Mv p-p
Audio out signal	1V p-p

Tx mode:

Nominal output power	12W±15%
Spurious/harmonics requirements	Power 50+10 log (Pout) = 61.3 Db OR 70 Db, whichever is less
Max. deviation for max. input voltage	25.5 kHz, 0.8V p-p 1 kHz signal
Frequency stability at operating temp.range	+/-2.5 ppm
Operating temp.	-23°F - 141°F (-30°C - 60°C)
Rx mode current consumption	140 ma max.
Tx mode current consumption	2.4 A ±5%
Weight	1.44 lbs. (655gr.)