

## NCI RF Specifications Per FCC 2.1033 (b)(4)

- Frequency Range 903-927 Mhz
- Spectrum Technique Direct Sequence Spread Spectrum
- Modulation Scheme Minimum Shift Key (MSK)
- Bit Rate 62.5 kb/sec (12Mhz/192)
- Chipping Rate 1Mc/sec (62.5kb/sec x 16 chips/bit)
- Channel Capacity 17( From 0-16)
- Channel Spacing 1.5 Mhz
- Power supply 3.6Vdc/240 mA (Constant Tx)
- Power Consumption 3.6Vdc/90 mA (Constant Rx)
- PLL VCO 1.4 V max
- Null to Null Bandwidth 1.6 Mhz
- 6 dB Bandwidth 600 Khz
- First Side-lobe Level 29dBc
- Output Power 20dBm
- Receive Sensitivity -90 dBm
- Frequency Tolerance  $\pm 20$ ppm
- Total Frequency Drift  $\pm 45$ ppm
- List of Channel Frequency:

CHANNEL	Freq.(Mhz)
0	903.0
1	904.5
2	906.0
3	907.5
4	909.0
5	910.5
6	912.0
7	913.5
8	915.0
9	916.5
10	918.0
11	919.5
12	921.0
13	922.5
14	924.0
15	925.5
16	927.0