

## Operational Principle

1. The 6210 is a member of the low-cost, high-performance family of intelligent 2.4 GHz RF transceivers with embedded microcontrollers.
2. The 6210 is optimized to provide a single chip solution for Ultra Low Power (ULP) wireless applications. The combination of processing power, memory, low power oscillators, real-time counter and a range of power saving modes provides an ideal platform for implementation of RF protocols.
3. Benefits of using 6210 include tighter protocol timing, security, lower power consumption and improved co-existence performance. For the application layer the 6210 offers a rich set of peripherals including: SPI (master and slave), UART, PWM,, and so on.ANTENNA, The antenna is typically fed from the end of the monopole section by a plated through-hole via which is in turn connected to the RF output on the 2.4GHz band.
4. Frequency List

<b>1CH</b>	2402 MHz	<b>21CH</b>	2442 MHz
<b>2CH</b>	2404 MHz	<b>22CH</b>	2444 MHz
<b>3CH</b>	2406 MHz	<b>23CH</b>	2446 MHz
<b>4CH</b>	2408 MHz	<b>24CH</b>	2448 MHz
<b>5CH</b>	2410 MHz	<b>25CH</b>	2450 MHz
<b>6CH</b>	2412 MHz	<b>26CH</b>	2452 MHz
<b>7CH</b>	2414 MHz	<b>27CH</b>	2454 MHz
<b>8CH</b>	2416 MHz	<b>28CH</b>	2456 MHz
<b>9CH</b>	2418 MHz	<b>29CH</b>	2458 MHz
<b>10CH</b>	2420 MHz	<b>30CH</b>	2460 MHz
<b>11CH</b>	2422 MHz	<b>31CH</b>	2462 MHz
<b>12CH</b>	2424 MHz	<b>32CH</b>	2464 MHz
<b>13CH</b>	2426 MHz	<b>33CH</b>	2466 MHz
<b>14CH</b>	2428 MHz	<b>34CH</b>	2468 MHz
<b>15CH</b>	2430 MHz	<b>35CH</b>	2470 MHz
<b>16CH</b>	2432 MHz	<b>36CH</b>	2472 MHz
<b>17CH</b>	2434 MHz	<b>37CH</b>	2474 MHz
<b>18CH</b>	2436 MHz	<b>38CH</b>	2476 MHz
<b>19CH</b>	2438 MHz	<b>39CH</b>	2478 MHz
<b>20CH</b>	2440 MHz	<b>40CH</b>	2480 MHz