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UltraWAVE Micro BTS/BSPlus/NIB Power Tune-up Procedure

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1. Power Tune-up Procedure

The output power of the UltraWAVE Micro BTS/BSPlus/NIB is controlled by the BTS system software. There is no hardware adjustment for output power setting. Under the normal operational condition, the maximum output power is automatically set to 40W(+46dBm) at the antenna port for all transmitter channels.

When the system operator need to change the power setting at the BTS, change can be made through the software commands from the remote operation & control center or from the local Craft PC. The power level is controlled down to -12 dB (+35dBm) from the maximum power in 2 dB steps (6 levels).

The output power level at the highest and lowest channel frequency (Channel #512: 1,930.2MHz and Channel #810: 1,989.8MHz) is automatically limited to 8W(+39 dBm) by the software in order to meet the FCC spurious requirement at the band edge frequencies (1,930.0MHz and 1,990.0MHz). This limitation only applies to these two channels and all other channels are set with nominal 40W(+46dBm).

2. Glossary

BTS: Base Transceiver Station

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