Operational Description

Wireless PTT (WPTT) uses Texas Instruments CC2530 RF system on chip and external Molex 0479500001 antenna. PTT and pairing status is transmitted between main unit and WPTT through digital IO lines.

In XG C-C1 wireless PTT module acts as PTT button status transmitter. Main CPU indicates mechanical PTT button status to wptt chip and wptt chip transmits external wireless PTT button status. In addition there is one signal indicating pairing status to main cpu.

Pairing mode is activated when user press PTT buttons 3 times quickly. When wireless button is paired and active, \PAIRING signal goes low.

Wireless PTT is adopted to XG C-C1 through addon card. Card has Secure Digital memory card form factor and connector. SD card interface supports wireless PTT interface plus additional GPIO pin and audio IO lines. Audio IO is intended for future applications. Card interface signaling follows SD card interface definition when applicable. For example power supply pins are compatible with SD card and signal direction is taken into account.