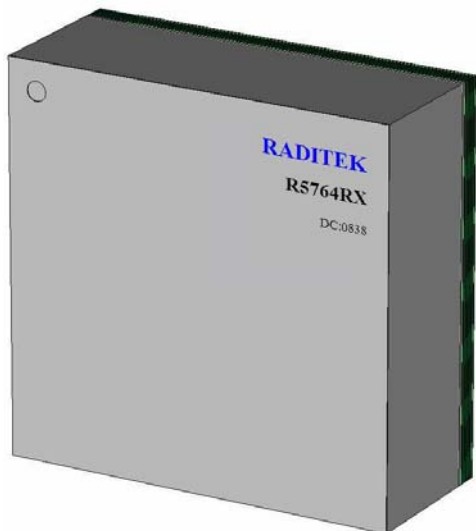


Overview Transmit / Receiver Modules 57 to 64 GHz



Introducing the new R5764TX-10d transmitter and R5764RX receiver modules that enable super wide band, high speed data links including uncompressed HDTV transmission, works over a short distance (10M / 30 feet) . These units are housed in a fully integrated miniature 81 pin BGA package, each is smaller than a US Dime (10 x 10 x 4 mm). This is the first commercial 60GHz wireless system available at a commercially viable price. Limited quantities available now for use in Lab Testing Kits

Introduction:

The core products: [R5764TX-10d transmitter](#) and [R5764RX receiver](#) modules are housed in a fully integrated miniature 81 pin BGA package, each is smaller than a US Dime (10cent) coin (10 x 10 x 4 mm)!

They works in the unlicensed 57 to 64GHz band and can be tuned (via an internal synthesizer) to one of 15 channels, each with 0.5GHz bandwidth. This is the first commercial 60GHz wireless system available at a commercially viable price. Suitable for SOHO and home applications as well

Applications include:

1. **Uncompressed HDTV transmission wireless connection to 30 feet (10m).** A small board with SDI and HDMI interface is being developed, available around September 2008. This is good for uncompressed HDTV TV camera links in a TV studio, for example.
2. **Very broadband wireless data links.** A pair of test boards and a design kit for evaluation and development are available for \$13,500 each. See data sheet for R5764-LAB.
3. **RFID applications** (under development). We are developing a miniature synthetic aperture radar scanner that can read a matrix of conductive dots (minimum of 200 bits of coded information) on a plastic or cardboard tag. It will be able to scan and read the card up to 30 feet away.
4. **Pan (Personal Area Network).** By connecting Blue Ray players, HD camcorders, DVR and TV together with wireless 60GHz links, full (uncompressed) wireless video (and audio) broadband is now possible.
 - a. Initially self contained modules with audio and SDI/HDMI interfaces
 - b. Integrate the module in the product.
5. The cost of the R5764TX-10d, can be below \$35 each in 1 million quantity.

For more information please contact sales@raditek.com, or call (408) 266 7404,

Overview Transmit / Receiver Modules 57 to 64 GHz

Technical: Malcolm Lee Skype direct at malcolm8888 and/or e-mail at malcolm@raditek.com.

RADITEK Inc is a California corporation. Founded by Peter Corbett and Malcolm Lee, in 1993 its extensive product line includes all kinds of RF and microwave components, including isolators, oscillators, synthesizers, filters and couplers.

Please see our web site at ww.raditek.com.

We have isolator products to over 100GHz, and phase locked oscillators and synthesizers to over 40 GHz.

The 57-64GHz modules are the highest frequency active products currently.