

Specializes in RF Design and Development of "High Volume / Low Cost" Microwave, Wireless and Telecom Broadband Components, Assemblies and Systems.

Satcom Systems / Terrestrial Systems / Intelligent Satellite Network Solutions / Upconverter / Downconverter
TWTA / SSPA / LNA / LNB / BUC / BDC / Transceiver



Ku-Band BUC (Ku Band Block Up Converter) 2-280W P1dB
Latest devices means highest power at the best efficiency at the smallest size and weight!
Available in various power levels covering C, X, Ku and Ka band.

2 Watt, Ku band BUC shown. RBUK-14.0-14.5-L-2W-ER-v7
Additional examples below



C-Band BUC. (C band Block Up Converter)
Features another very high efficiency power amplifier. The example shown shows a 60 Watt, P1dB model C band specifications cover Standard-C, Intelesat, InSat, Palapa-C, Full-C

60W, C band version shown. RBUK-C-WR137-F(f)-60W-h1
Additional examples below



Intelligent Satellite Network Solution
The Raditek ISNS-SAT solution allows Interactive Internet access with Lowest cost remotes and simple hub installation, with the most features and uses, including: **Interactive internet solution; lowest cost SCADA; The most private/secure/asked for ATM (Bank) networks with up to 98% satellite efficiency!** And to 8Mbps SCPC and 100Mbps DVB-S2 data rates, for the standard modem family to 8PSK, TPC (Turbo Product) code, and the latest 30Mbps/16QAM, modem, with a leading edge LDPC

(Low Density Parity Check) coder under development. (Hub unit examples shown) Each 2-U high rack unit supports up to 32 remotes!



RADITEK Internet on the move
The Raditek RIOTM-KU-8W*-p10 is a leading edge "Internet on the move": solution, when used with Raditek's IPI-SAT system allows far superior (than any TDMA based) internet access at high speeds. The sleek, super low profile, (11 cm high) self contained System easily mounts on the roof of any vehicle, boat or plane. The module contains separate, phased array (flat) tracking Tx and Rx antennas, LNB, BUC, GPS and antenna control unit. Just preprogram all the likely satellites and our modem and go!



Intelligent Satellite Network Solution (Remote or Mini-hub. Each modem is a fully switched internet based network modem. The RISN-1000-BRT-j8 is suitable for virtually any Internet application VOIP, Data and video. They are the most flexible, with the widest range of data rates from 16 Kbps to 8 Mbps in SCPC mode. As it uses no TDMA-like overhead for multiplexing, and superior coding, smaller BUC power and antenna can be used. Full network control and monitoring with our optional NMS system. Supports single or multi-single hop **STAR** and/or **MESH** networks



RMOD-SCPC-5Mb-20Mb-70MHz/or L-Band TPC/LDPC/16QAM SCPC (Single Channel per carrier) modem. Options include: high speed IP, full/partial E1/T1 and both 2MB IP and E1/partial E1 (drop and insert) multiplexed together. Ideal for Backhaul applications requiring to 4 x E1, for example. Self contained unit with built in diagnostic tools (eg BER tester) and like all RADITEK modems, supports full PC GUI control and front panel operation. This modem can be configured to be your DVB-S2 modulator/hub unit as well.



Another C band, BUC example: 2W (P1dB) BUC, 10MHz External Reference, **RBUK-C-10M ER-2W-w13**
Two years Warranty
Low cost, low mass, compact and high efficiency.



Another Ku band, BUC example: 8W (P1dB) BUC, 10MHz External Reference, **RBUK-Ku-10M ER-8W-w13**
Optional MS Connector
Low DC Power Consumption (75W Max.)

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 <p>Unlicensed band, last mile Point to Point Radio Family 2.4GHz or 5.85GHz E1/T1</p> <p>PDH / Ethernet Convergent System 1xE1/T1 and 2xE1/T1</p> <p>RADLINK-2.4G or 5.85G-PDH-Ethernet-a9</p>	 <p>Licensed band/Carrier Class point to point radios.</p> <p>RADTR frequency-IP-170MB-a9 6 to 28GHz.</p> <p>PDH 4-16E1s/E3 and/or Ethernet up to 170Mbps, to 2 x STM1 Applications Ethernet IP Trunking or Access Networks Cellular Backhaul TDM/PDH/IP Radio Networks</p>
 <p>Raditek Wimax Pico Base Station 5.8GHz (unlicensed frequency band)</p> <p>Key Features: IEEE 802.16-2004 Compliant</p> <p>Up to +20dBm Transmit Power Synchronization with Built-in GPS Receiver Full QoS Traffic Classifier and Scheduling: UGS, rtPS, nrtPS, BE IEEE 802.1Q Management VLAN IEEE 802.1d Transparent Bridging Network Management System (EMS)</p>	 <p>C and Ku Band SSPA Amplifier, C-Band</p> <p>Shown is: 400W C band over 5.850-6.725GHz</p> <p>Redundant Ready Features High RF output power Low spurious levels Various output power rating</p> <p>RF output sample port Available for specific C, X and Ku bandsatellite brands, also: Surge Protection Built-in Redundancy (1:1) Optional Built in Isolator and Harmonic reject filter (optional) High Reverse Power/VSWR Detection (optional)</p>
<p>Satcom band SSPA s, Ku-Band example shown: (powers available include: 16, 25, 40, 80, 100,150,200W. In-door and Out-door versions shown, Redundant Ready.</p>  <p>Indoor Model Outdoor Model</p> <p>Features High RF output power Low Spurious levels Various output power rating Easy installation and configuration</p>	 <p>TWT Amplifiers for broad band, high power applications, pulsed and CW, 1GHz and above to over 40GHz (where allowed). Example shown: 2.0-8.0GHz, 50W CW</p> <p>RTWTA-2-8-50W CW-w9</p>
 <p>C-Band & Ku Band HUB/Earth Station Antenna, 6.2 Meters, Motorized</p> <p>RADITEK can even supply all kinds of antennas from man pack/ad hoc to the large hub units such as the ones shown here. C-Band, X & Ku Band Example shown: Earth Station Antenna, 9m diameter, Motorized</p> 	