



ITC 2011

C-Band Special Session

C-Band Vendor Products

Teletronics Technology
Corporation

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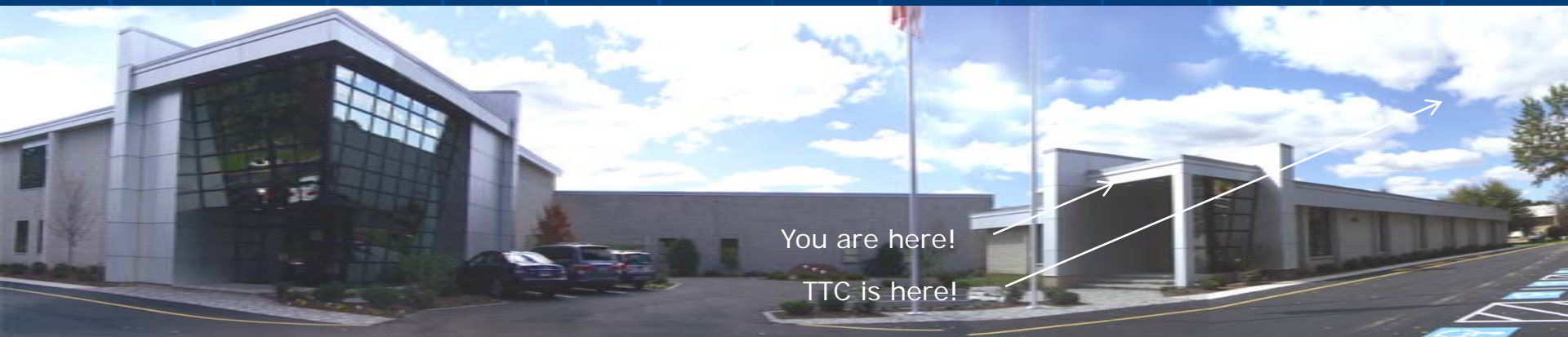
Bally's

Las Vegas, NV



Teletronics Technology Corp.

- Located in Newtown, PA
 - (40 miles north of PHL)
- Offer a wide range of Airborne and Ground products supporting Telemetry and Flight Test applications
- President: Mansour Radmand
- Chief Technology Officer: Albert Berdugo
- Company was founded in 1998
- Purchased RF Networks in 2006
- 250 employees
- Small business





Teletronics Technology Corp.

- Company product offerings are divided into five product lines
 - Data Acquisition
 - Traditional Encoders and Signal Conditioning
 - Network Products
 - Network based Encoders, Recorders, Switches and Transceivers
 - Ground Products
 - Analysis Software, Display platforms, Decomutators, Receivers, Demodulators
 - RF Products
 - Transmitters, Receivers, Termination Receivers, Tracking Transponders, Antennas, RF sub-systems
 - Special Products
 - Cameras, customer Displays, Blue tooth based products, battery packs, etc



C-Band Transmitters

- TTS-9670
 - Second Series
 - Incorporates next generation modulator section
 - Offered in 5, 10 & 20 Watts
 - Multimode
 - Tier 2 compliant
 - RS-232 & Ethernet Programming
 - Size: 2.5" x 3.5" x 1.0"
 - Status
 - 5 & 10 Watt units shipped
 - 20 Watt unit in test





C-Band Receivers

- MTGS-3000 Series II
 - Dual Receiver
 - Full L, S, C, P band
 - Tier 2 Compliant
 - Three Independent Demods
 - 70 MHz, IF Outputs
 - Data or Video
 - 30 & 60 Mbps data rates
 - Pre-detection Combiner & Post Branch Selection (Data & AM)
 - Ethernet, RS-232, GPIB-488 Control





C-Band Receivers

- BDC-2000 Series
 - Converts Full C into S or L band
 - Bulk Down Converter
 - Two and Four Channels
 - Tier 2 Compliant
 - Control
 - Front Panel
 - Ethernet, RS-232, HPIB-488





C-Band Receivers

- RMDS-500 Series
 - Second generation
 - L, S, or C (L, & M) bands
 - C band module in development
- Tier 2 Compliant
- PCI form factor
- 70 MHz IF output
- Selectable post detection filtering
- Receiver down converter, bit sync, decomutator, and simulator/recorder
- Controllable through TTCware and GSS





C-Band Receivers *(2012 planned)*

TRS-1600 Series

- Airborne Receiver
 - L, S, or C band
 - Tier 1 Compliant
 - 100 Kbps to 20 Mbps



RCVR-310-X

- L, S, or C band
- PCM/FM & SOQPSK
 - 0.5 to 20 Mbps





C-Band Transponders

- XPDR-2150
 - 50 Watt
 - RCC-262 Complaint

- XPDR-520 (planned)
 - 20 Watt
 - RCC-262 Compliance
 - Repackaged from 2150





C-Band Transceiver

- nXCVR-3100 Series
 - C-band (in development)
 - 4400-5150 MHz
 - 10 Watt minimum
 - Wireless Router
 - IP & Ethernet Traffic
 - TDMA
 - Burst Mode SOQPSK
 - Based on -2100 series OFDM





C-Band Test Capability

- Transmitter Automated Tester
 - L, S, and now C-band
 - Includes
 - Pre-ATP
 - ESS
 - Full Temperature
 - Final ATP



C-Band Re-Rad

- RTAS-3000
 - Re-Rad System
 - Receives S-band
 - Transmits C-band
 - Four Channels
 - 5 Watts Output
 - IRIG-106 Compliance





C-Band Test Capability

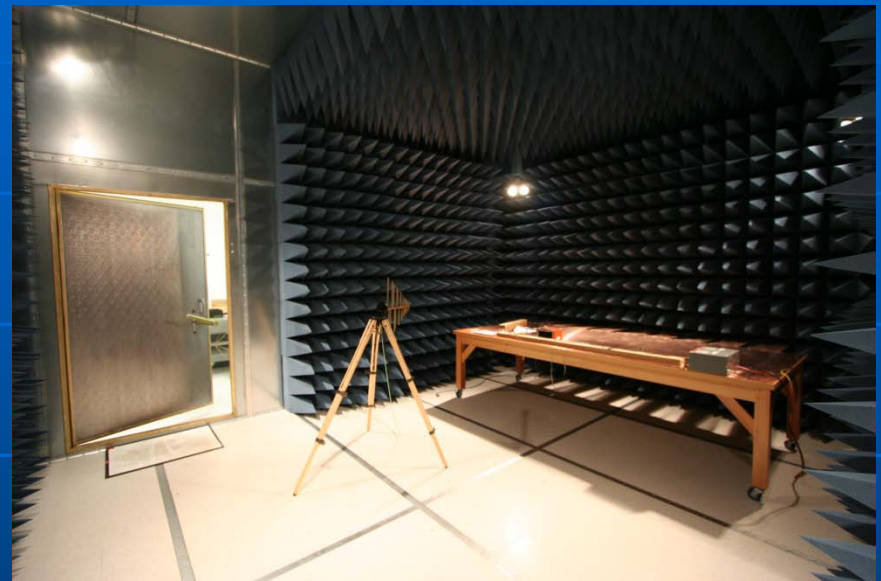
- 21 foot tower
- FCC Approved Experiment
 - S-Band Currently
 - C-Band 2012





C-Band Test Capability

- Shielded Room
 - Two Rooms
- EMI testing
 - 461 & DO-160



- Controlled Multipath Environment for interface testing



C-Band Products



Teletronics Technology
Corporation

COME SEE US IN
BOOTH # 101