

MTTS PLUS



**Small, lightweight modular,
rapidly deployable, transit
case troposcatter system**

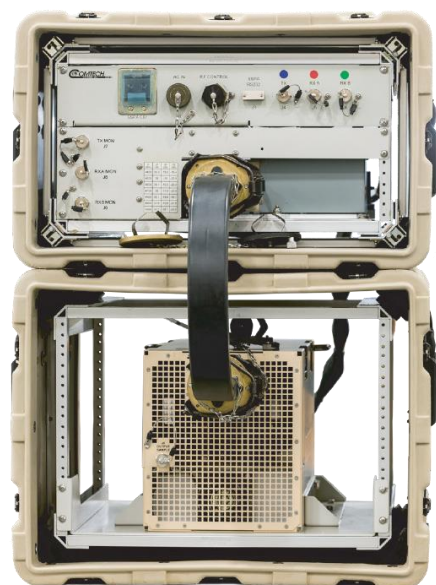
MTTS PLUS

Designed using the industry leading CS67PLUS 200 Mbps troposcatter radio, the MTTS PLUS operates single stream from 946 kbps to 105 Mbps or dual stream from 1.892 to 210 Mbps. This flexible, transit case-based system can be deployed in dual or quad-diversity configurations. Adaptive Coding and Modulation (ACM) can optimize average throughput over time. The feature-rich MTTS PLUS can be easily combined with existing antennas or new Comtech supplied antennas for deploying angle, frequency, or space diversity systems. When combined with fly-away or trailer mounted antennas, the MTTS PLUS is the ideal Beyond Line-of-Sight troposcatter system for tactical Military, Disaster Recovery, and Emergency Restoral Communications anywhere in the world.

Each system comes with a quad-diversity radio as well as at least one filter transit case and 500W/1kW SSPA transit case. Multiple Filter/SSPA transit cases are available for systems requiring greater performance using quad-diversity.

Key Features:

- 200 Mbps data throughput (dualstream)
- Troposcatter optimized
- IP Interface
- Redundant radio and power supply
- Multiple soft-fail modes
- ACM to maximize average throughput
- Adaptive link power control
- Easy-to-use Graphical User Interface
- Built-in Path Analysis Tools (optional)
- MTTS can be used with fixed transportable, and fly-away troposcatter antennas



Technical Specifications:

Frequency Range	4.4 - 5.0 GHz in 100 KHz increments
Transmit Output Power	500 or 1,000 watts
RF Transmit/Receive interface	Type HN Female
Data Interface	100/1000 Base-T Ethernet
Data Rate	Single Stream: 946 kbps to 105.194 Mbps Dual Stream: 1.892 to 210.388 Mbps
Diversity Order	Quad, Dual, Single
Monitor & Control	Comtech Integrated Management System (CIMS)
Engineering Orderwire	Modem GUI Chat Polycom VoIP
Redundancy	CS67PLUS - 1:1 hot standby SSPA - Soft fail using diversity
Bit in Test (BIT)	Full set of alarms and parameters monitored

AC Power:

AC Voltage	180-264 VAC
Frequency	47 to 63 Hz
Power Consumption	4500 VA maximum @ 1000 W output Space diversity
	9000 VA maximum @ 1000 W output Quad or Dual diversity
	2250 VA maximum @ 500 W output Space diversity 4500 VA maximum @ 500 W output Quad or Dual diversity

Dimensions:	Radio Case	C-Band Filter Case	C-Band Amplifier Case
Height	15.19 in. (38.58 cm)	15.28 in. (38.81 cm)	18.72 in. (47.55 cm)
Width	24.54 in. (62.33 cm)	24.54 in. (62.33 cm)	24.54 in. (62.33 cm)
Depth	35.83 in. (91 cm)	38.58 in. (98 cm)	38.58 in. (98 cm)
Weight	103 lbs (56.7 kg)	128 lbs (56.7 kg)	140 lbs (56.7 kg)

Enviromental:

Operating Temperature	-40 °C (-40 °F) to 60 °C (140 °F) -40 °F to 140 °F
Storage Temperature	-59 °F to 167 °F (-51 °C to 75 °C)
Humidity	Up to 100% condensing
Altitude	Up to 10,000 meters

**About Us**

Comtech Telecommunications Corp. is a leading global technology company providing terrestrial and wireless network solutions, next-generation 9-1-1 emergency services, satellite and space communications technologies, and cloud native solutions to commercial and government customers around the world. Our unique culture of innovation and employee empowerment unleashes a relentless passion for customer success. With multiple facilities located in technology corridors throughout the United States and the world, Comtech leverages its global presence, technology leadership and decades of experience to create the world's most innovative communications solutions.

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