Bittium

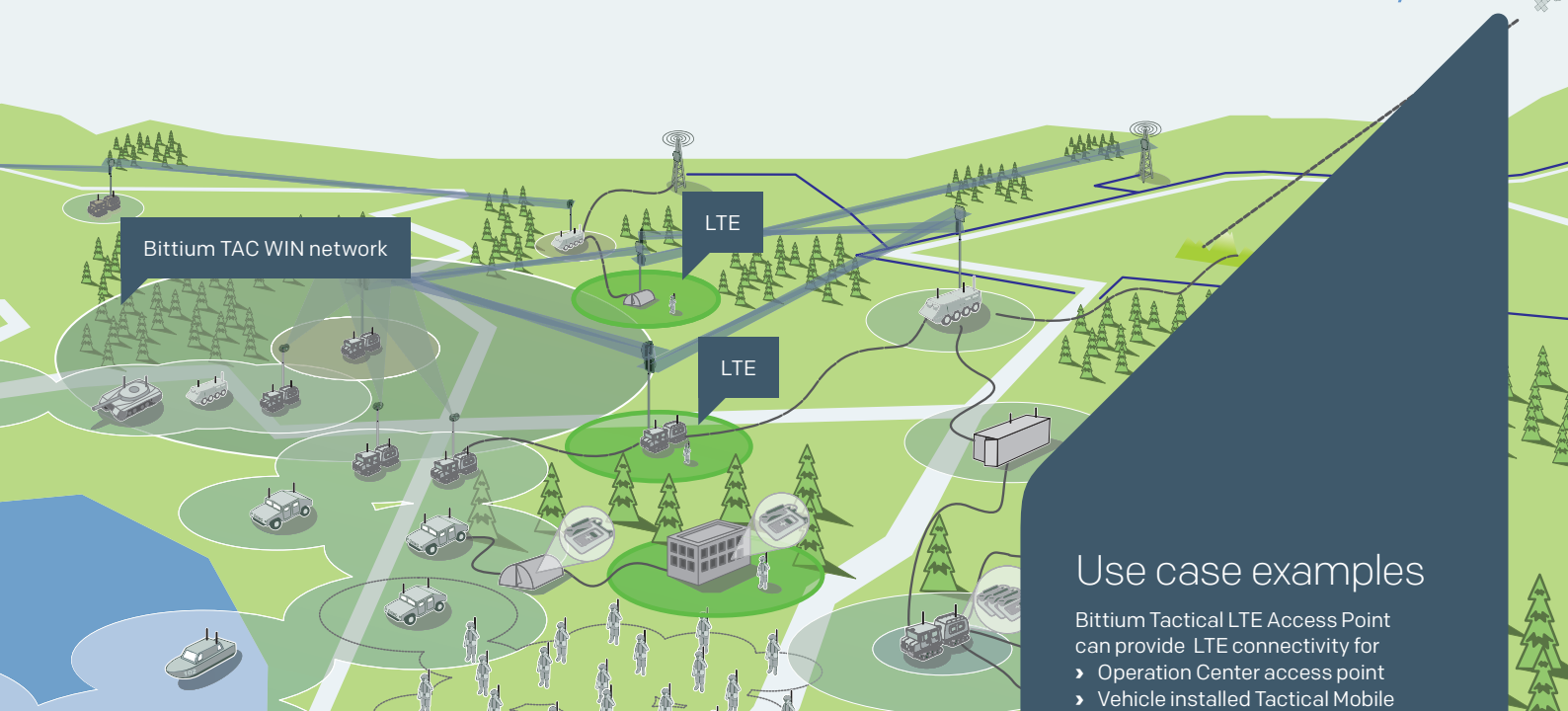## Bittium Tactical LTE Access Point™
Preliminary Product Information for Deployable LTE Connectivity

Bittium TAC WIN network

LTE

LTE

Use case examples

Bittium Tactical LTE Access Point can provide LTE connectivity for

› Operation Center access point
› Vehicle installed Tactical Mobile hot spot for soldiers, border control and public safety
› Temporary deployments
› Disaster area hotspots

Key features

› Rapidly deployable, turnkey LTE hot spots
› Supports both off-the-shelf LTE mobile devices and rugged special terminals designed to be used on the battlefield
› Bittium lite-EPC software optimized for LTE hot spots
› Low system size, weight and power (SWaP)
› Rugged design
› Stand-alone, fully integrated solution
› High-speed, low latency for IP services including voice, messaging, video, situational awareness and data
› Optimized for mobile customer applications
› Mast/wall mounting options for various use scenarios and environments
› Supports multiple LTE frequency bands
› Fully integrated with Bittium TAC WIN and Bittium Tough VoIP system

Bittium Tactical LTE Access Point is a connectivity option providing wireless LTE access to Bittium Tactical Wireless IP Network™ (TAC WIN) and bringing the high-speed multimedia data and VoIP services for troops in the field at a reasonable cost. Bittium TAC WIN is a solution to build wireless broadband wide area networks supporting high-speed data transfer and flexible access options. It is the perfect backbone network for deployable LTE. Bittium Tactical LTE Access Point supports off-the-shelf LTE devices as well as rugged special terminals designed to be used in the battlefield.

FOR MORE INFORMATION, PLEASE CONTACT:

defense@bittium.com

Bittium Tactical LTE Access Point™
Technical Features

Rugged eNodeB

› **Bandwidths supported**
5 / 10 / 15 / 20 MHz

› **Operating LTE frequency bands**
Band 7 / 2600MHz
(DL 2620-2690 / UL 2500-2570 MHz),
Band 1 / 2100MHz
(DL 2110-2170 / UL 1920-1980 MHz),
Other bands based on market
prioritization

› **Antenna configuration**
2 TX / 2 RX MIMO

› **Transmit power**
250 mW – 5 W per TX path

› **Synchronization**
RF GPS, IEEE1588v2

› **Size, weight and power**
5.0 L / 5.2 kg / max. 120 W (typ. 110 W)

› **Power input**
90 – 264 VAC

› **Operating temp**
- 40 to +55 C

› **Ingress protection**
IP67

› **Mounting**
Mast / wall

› **Antennas**
Integrated directional,
integrated OMNI
or external antenna (N –type connector)

› **Backhaul interface**
100/1000 Base-T or Fiber

Lite-EPC

› EPC hardware is subject to change

Accessories

› **Antennas**
OMNI antenna set (2 pcs, +1dBi),
integrated directional antenna (+6dBi /
70°), GPS antenna

› **Cables**
Power cable 50 m, outdoor Ethernet
(copper) cable 50 m,
outdoor optical cable 100 m

› **SFP modules**
Different SFP modules
for optical backhaul connection

› **Mounting bracket**
Directional mounting bracket
for wall and pole mounting

Antenna

eNodeB

Bittium lite-EPC

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