



Spacecom and Comtech Telecommunications Corp. Demonstrate 1.3 Gigabit C-band Link over AMOS-17 Using Comtech EF Data Modems with Telemedia South Africa

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TEL AVIV, Israel & MELVILLE, N.Y.--(BUSINESS WIRE)--May 12, 2020-- May 12, 2020 -- Spacecom (Tel Aviv Stock Exchange: SCC), operator of the AMOS satellite fleet, and Comtech Telecommunications Corp. (NASDAQ: CMTL) today announced the successful demonstration of a 1.3 Gbps link using Comtech EF Data's CDM-760 Advanced High-Speed Trunking and Broadcast Modems operating over AMOS-17 C-band HTS payload. The exceptionally high throughput of 1.3 Gbps on a single link was established between two Telemedia facilities over AMOS-17's C-band spot beam using a single CDM-760 modem per facility. Telemedia is a leading provider of broadcast and teleport services in South Africa.

In addition, using the DoubleTalk® Carrier-in-Carrier® adaptive cancellation functionality of the CDM-760, the team established a symmetrical 270Mbps/270Mbps link between two Telemedia sites using a total of only 62.8MHz on AMOS-17, achieving spectral efficiencies of 8.6 bits/Hz in such a high capacity C-band link.

Ping tests showed that these links had a round-trip delay of less than 500ms, including the satellite link, modems and external routers, which is extremely low latency for a GEO satellite link.

According to Eran Shapiro, Director of Business and Technology Ventures at Spacecom, "We were thrilled to partner with Comtech EF Data and Telemedia to demonstrate the very high throughput customers can enjoy on AMOS-17 C-band spot beams, without having to compromise on service availability or on solution complexity. The throughput and efficiencies of AMOS-17's spot beams are unique over Sub Saharan Africa. Comtech EF Data's modems and team proved this, while only using one modem per site. Engaging the African market with key enabling connectivity technologies for commercial and government sectors is a strategic goal for Spacecom. Together with Comtech EF Data, we are able to address important market segments with cost-effective, easy to deploy and maintain solutions."

Mark Toppenberg, President of the Commercial Group at Comtech EF Data stated, "It is exciting to see the AMOS-17 satellite performance that fully utilizes the functionality, horsepower and efficiency of Comtech EF Data's high-performance satellite modems. Customers will really benefit from the high data rates that can be achieved even with small antennas. The combination of HTS throughput, C-band reliability and low latency makes the solution ideal for IP trunking, mobile backhaul, critical applications and remote enterprise offices."

About Spacecom

Spacecom (Space-Communication Ltd.), operator of the AMOS-3 and AMOS-7 satellites co-located at 4°W, AMOS-17 at 17°E and AMOS-4 at 65°E, provides high-quality broadcast and communication services to Europe, the Middle East, Africa, and Asia via direct-to-home (DTH) operators, Internet service providers (ISPs), telecom and MNO operators, network integrators and government agencies. AMOS-17 further expands Spacecom's reach in Africa and Asia, reinforcing its position as a leading multi-regional satellite operator.

About Comtech

Comtech EF Data Corp., a subsidiary within Comtech Telecommunications Corp.'s (NASDAQ: CMTL) Commercial Solutions segment, is a leading supplier of communications equipment with a focus on satellite bandwidth efficiency and link optimization. The high-performance satellite communications ground equipment is deployed globally to support mission-critical and demanding applications for government, mobile backhaul, premium enterprise and mobility. Service providers, satellite operators, governments and commercial users wanting to optimize communications, increase throughput and delight customers, are leveraging the performance and flexibility of the Comtech brand. The solutions are facilitating fixed and mobile networks in 160+ countries and across every ocean. For more information, visit www.comtecheftdata.com.

Comtech Telecommunications Corp. designs, develops, produces and markets innovative products, systems and services for advanced communications solutions. The Company sells products to a diverse customer base in the global commercial and government communications markets.

Certain information in this press release contains statements that are forward-looking in nature and involve certain significant risks and uncertainties. Actual results could differ materially from such forward-looking information. The Company's Securities and Exchange Commission filings identify many such risks and uncertainties. Any forward-looking information in this press release is qualified in its entirety by the risks and uncertainties described in such Securities and Exchange Commission filings.

About Telemedia

Telemedia was founded in 1981 with a focus on the supply, installation and service support for radio and television broadcasting equipment to Southern Africa. Since then Telemedia has evolved into a broad-based media broadcast and telco facility providing a sophisticated and versatile product range. We specialize in providing complete broadcast pipelines and VSAT connectivity services and hosting at our Teleport in Johannesburg.

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