UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

T-MOBILE US, INC., T-MOBILE USA, INC., TELECOMMUNICATION SYSTEMS, INC., ERICSSON INC., and TELEFONAKTIEBOLAGET LM ERICSSON Petitioners,

v.

TRACBEAM, LLC, Patent Owner

Case No. IPR2015-01708 Patent 7,525,484

JOINT SUBMISSION OF NARROWING AGREEMENT UNDER 37 U.S.C. § 317



Pursuant to 35 U.S.C. § 317(b) and 37 C.F.R. § 42.74, Petitioners T-Mobile US, Inc., T-Mobile USA, Inc., TeleCommunication Systems, Inc., Ericsson Inc., and Telefonaktiebolaget LM Ericsson (collectively "Petitioners") and Patent Owner TracBeam, LLC ("Patent Owner") jointly submit a signed and binding Narrowing Agreement, memorializing their agreement to narrow their disputes relating to Patent Owner's patents, including the present proceeding.

The agreement recites certain confidential and sensitive business information of both Petitioners and Patent Owner. Accordingly, the parties jointly request that the Board treat this agreement (Exhibit 2003) as business confidential information, maintain the agreement separate from the file of the involved patent, and make the agreement available only as necessary and permitted under 35 U.S.C. §317(b) and 37 C.F.R. § 42.74(c).

Respectfully submitted,

Date: November 24, 2015 By: /Sean Luner/

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CERTIFICATE OF FILING AND SERVICE

I hereby certify that true and correct copies of the foregoing **JOINT**

SUBMISSION OF NARROWING AGREEMENT UNDER 37 U.S.C. § 317

AND EXHIBIT 2003 are being filed via PRPS and served by electronic mail this

24th day of November, 2015 on counsel for Petitioners as follows:

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