

IBM and Novatrans to collaborate on a joint project for a mass-production of high-power Terahertz chips for numerous applications

IBM and Novatrans have joined forces and entered into a joint development agreement to develop a mass-production tool that will produce Novatrans' TeraChip - an advanced Terahertz (THz: 300-3,000GHz) frequency chip, developed by Novatrans along with top scientists from Weitzman Institute in Israel. Subject to certain conditions, the agreement is effective October 2015. Under the agreement, on the effective date, IBM would become a minority shareholder of Novatrans.

The tool will be used for fabrication of the high-power high-speed TeraChips. Novatrans expects a dramatic reduction in manufacturing costs and a large-scale production of TeraChips enhanced by IBM's leading edge wafer-to-wafer fabrication techniques.

Novatrans believes that lowering the TeraChip cost will expedite the creation of THz applications markets in major industries and that commercializing THz will close the last gap in the electromagnetic spectrum. Novatrans anticipates that the TeraChip initial markets will include: homeland-security (Air-Port security check points), medical imaging, pharmaceutical, food agriculture quality, data-center communication and additional industrial scanning applications.