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November 11, 2011

VIA ELECTRONIC FILING

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Re: **Notice of *Ex Parte* Presentation in LightSquared Subsidiary LLC
Request for Modification of its Authority for an Ancillary
Terrestrial Component, IB Docket No. 11-109; IBFS File No. SAT-
MOD-20101118-00239**

Dear Ms. Dortch:

On November 9, 2011, Deere & Company (“Deere”) met with Julius Knapp, Chief, of the Office of Engineering and Technology (“OET”), Ron Repasi, Deputy Chief of OET, Walter Johnston, Chief, Electromagnetic Compatibility Division, OET, and Michael Ha, Engineer, OET to discuss the above-referenced application. Attending this meeting on behalf of Deere were Tony Thelen, Director, John Deere Intelligent Solutions Group, Paul Galyean, Director, Systems Engineering and IME/Robotics, Mark Rentz, Senior Systems Engineer, Steve Wilson, GNSS Products Director, Jerry Roell, Director, John Deere FarmSight, Bill Behan, Director, Public Affairs, along with Catherine Wang and Tim Bransford of Bingham McCutchen LLP, outside counsel to Deere.

During this meeting, we discussed the integral role that high precision GPS technology plays in today’s agricultural sector and in particular, the initiative to increase food production to meet soaring worldwide demand. For that purpose, every inch matters. As illustrated in the presentation attached as **Exhibit I**, we discussed how farmers rely on high precision GPS for greatly enhanced productivity, efficiency and safety, and also to materially reduce use of pesticides, fuel, seed, fertilizer, and water serving both critical environmental and costs concerns.

We discussed the status of the ongoing technical evaluation of the interference impact of LightSquared’s revised proposal to transmit a 10 MHz base station signal centered at 1531 MHz (“Low 10 MHz”). Given that prior testing has already demonstrated that the Low 10 MHz approach alone does not protect high precision GPS receivers, we discussed the need for rigorous and comprehensive testing, including consideration of various performance characteristics, of high precision receivers under

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test that have been retrofitted with filters developed by LightSquared vendors that are intended to harden devices to Low 10 MHz transmissions. Such filters have not yet been made available to Deere. We generally discussed the technical challenges, including handset related issues, to allowing the use of L-Band satellite spectrum to be converted for use for stand-alone terrestrial services.

Deere reiterated its commitment to assist and cooperate with the Commission and interested parties in this process to objectively review and analyze equipment and proposals brought forward as mitigation solutions.

If you have any questions regarding this meeting, please do not hesitate to contact the undersigned.

Very truly yours,

/s/

Catherine Wang
Tim Bransford

Attachment

CC: Julius Knapp
Ron Repasi
Walter Johnston
Michael Ha

GPS Enabled Precision

John Deere Intelligent Solutions Group | November 2011



GPS Enabled Precision

Enables those who build and feed the world.

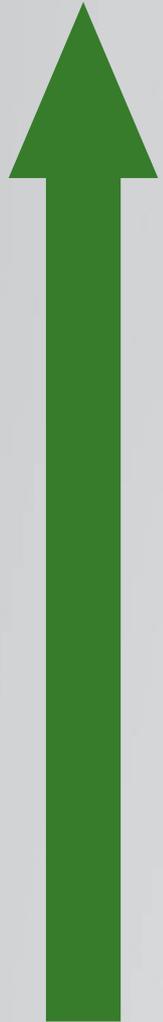
Immediate and Ongoing Needs

- + population growth
- + urbanization

Double food production by 2050 to meet world demand.

To meet this need – every inch matters.

GPS Enabled Precision



Increases:

Yield

Efficiency

Productivity

Safety



Decreases:

Environmental Impact

Inputs

Costs

Theft

GPS Enabled Precision Ag



GPS Enabled Precision Ag

**Sprayer nozzles
shut-off when not
above crop section.**

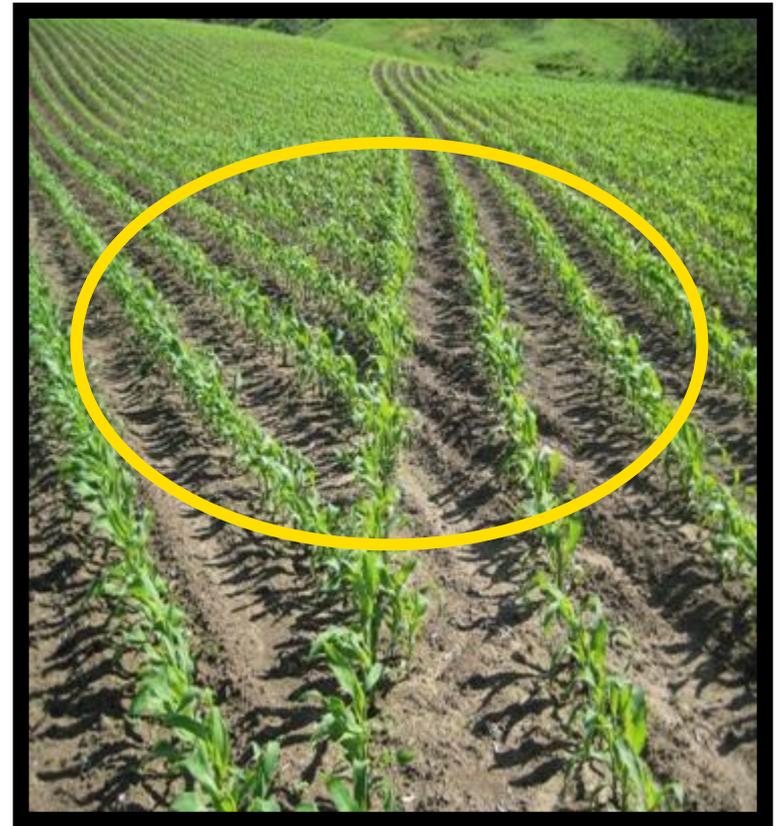


GPS Enabled Precision Ag

Field Planted without
Swath Control



Field Planted with
Swath Control Pro™



Precision Seeding

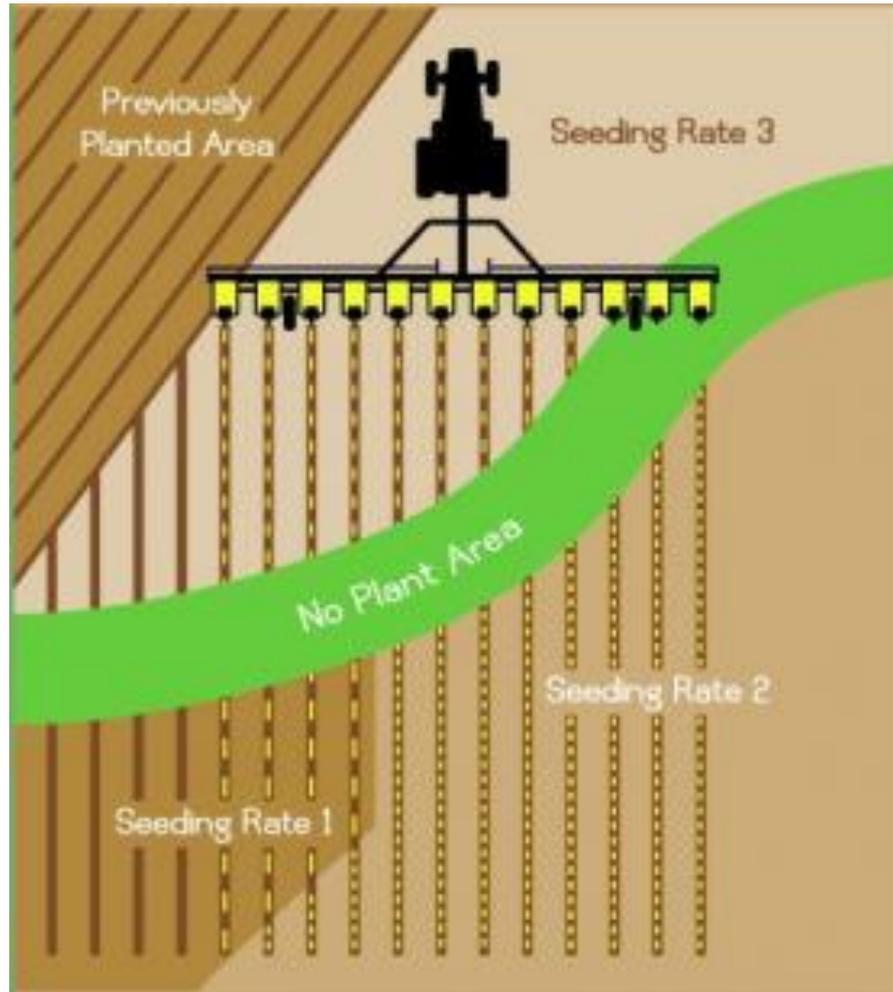


Image Source: http://farministrynews.com/site-files/farministrynews.com/files/imagecache/galleryformatter_slide_penton/gallery_images/web07RAVNplantcontrolillus.jpg



**Overlap
used to be
measured
in feet.**

**With
precision
GPS,
overlap is
now
measured
in inches.**

Increasing Precision: Every Inch Matters



Water Optimization & Precise Planting



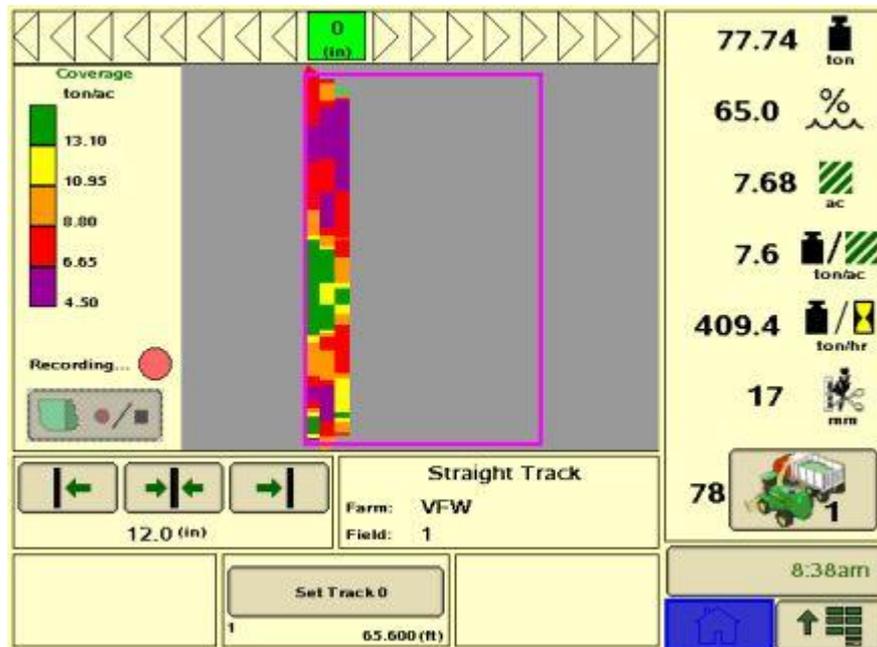
Increasing Precision: Every Inch Matters



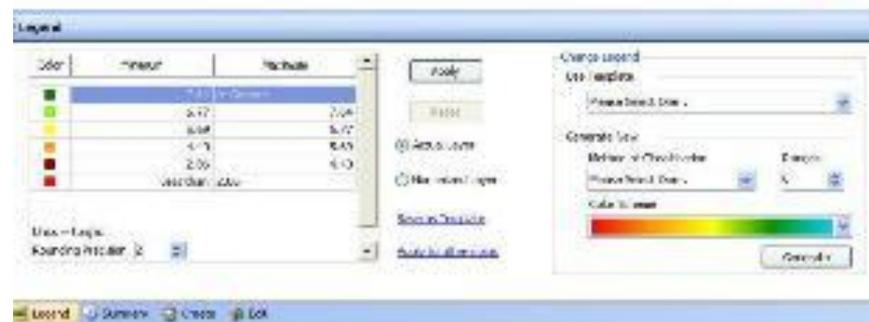
GPS Enables Operator Efficiency



Precision Enabled Decision Making



Record and Adjust While Operating



Actionable Information for Analysis and Decision Making.

GPS Enabled Precision

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