VIA ELECTRONIC FILING

Before the
Federal Communications Commission
Washington, D.C. 20554

In the Matter of	)	
	)	
	)	
Amendment of Part 101 of the Commission's Rules to Facilitate the Use of Microwave for Wireless Backhaul and Other Uses and to Provide Additional Flexibility to Broadcast Auxiliary Service and Operational Fixed Microwave Licenses.	)	WT Docket 10-153

PETITION FOR RECONSIDERATION
OF WIRELESS STRATEGIES, INC.

Pursuant to Section 1.429 of the Commission's Rules, Wireless Strategies, Inc. files this Petition for Reconsideration in the above captioned proceeding.[1]

Wireless Strategies, Inc. ("WSI") strongly supports the Commission's goal of bringing broadband to un-served and underserved communities. For this reason WSI asks the Commission to reconsider their decisions regarding Rule 101.115 -- decisions that would have the unintentional side effect of preventing many of these communities from ever being economically viable to serve.[2]

First WSI will address two points from the Commission's statement from page 30 paragraph 75:

(1) *"To the extent WSI proposes to allow the use of antennas that do not meet Category B standards, such a change would not result in the efficient use of spectrum. Eliminating the minimum Category B standards would allow licensees to deploy inefficient antennas that would radiate excessive radio frequency energy away from the desired path of communication. That change would result in an increased potential for interference and make it more difficult for other licensees to share spectrum."* While the concern is valid, the Commission has previously put safeguards in place -- Rules 101.103 and 101.115(f) -- to eliminate this potential issue. To wit, Rule 101.103 prevents <u>any</u> antenna from causing harmful interference to existing licensees

[1] Amendment of Part 101 of the Commission's Rules to Facilitate the Use of Microwave for Wireless Backhaul and Other Uses, Action by the Commission August 3, 2012, Second Report and Order, Second Further Notice of Proposed Rulemaking, Second Notice of Inquiry, Order on Reconsideration, and Memorandum Opinion and Order (FCC 12-87).
[2] FCC 12-87, page 30 para. 75, and page 47 §101.115 (b)

and applicants, and Rule 101.115(f) prevents antennas that do not meet Category A standards from blocking new applicant paths.

(2) *"The Category B standards have been in existence for many years, and WSI has not argued that it is burdensome for licensees to meet the Category B standards. We therefore reject the concept of allowing antennas that do not meet Category B standards."* The point is not that the Category B standards are burdensome for licensees, it's that the current Category B standards (resulting in antenna diameters of 3 feet at 6 GHz and 2 feet at 11 GHz) prevents it from being economically viable to service the majority of un-served and underserved communities.

Second, WSI still believes that the best approach is to let operators decide on the optimal antenna performance for a given application, consistent with Rules 101.103 and 101.115(f). However, if the Commission believes it desirable to specify a non-complying antenna standard, it should set that standard at the point where the resulting diameter makes it economically viable to serve these communities. With antenna site lease charges now averaging $150 per foot of diameter per month, WSI believes a 1-foot antenna system is the threshold at which it becomes economically viable to serve most of these un-served and underserved communities, and at sizes below 1 foot it becomes increasingly difficult to prior coordinate. Thus, with the safeguards of Rules 101.103 and 101.115(f) to protect against ineffective use of spectrum, a minimum antenna size of 1 foot in the 6 GHz and 11 GHz bands would allow the Commission to achieve its goal of bringing service to the un-served and underserved communities.

In conclusion, WSI respectfully asks the Commission to reconsider allowing applicants to decide on the optimum performance specifications, and therefore the size, of antennas not meeting Category A performance standards, provided they comply with the requirements of Rules 101.103 and 101.115(f). However, if the Commission decides it is desirable to set a minimum performance standard, the standard should result in an antenna diameter of approximately 1-foot in both the 6 GHz and 11 GHz bands so that it becomes economically viable to provide service to un-served and underserved communities.

Respectfully submitted

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August 31, 2012

cc:

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