

AL-GA Wireless BroadBand LLC.

Eufaula, Alabama and Georgetown, Georgia

December 19, 2012

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

Comments being filed concerning **WT Docket No.11-49**

Al-Ga Wireless Broadband LLC is a small wireless internet service provider in the Eufaul, Al (Barbour County) and Quitman County Georgetown Ga. Area. We presently serve over 150 hard to reach and low income clients in this region with 900 Mhz Ubiquiti and Canopy equipment. This area is **very under served** with high speed service. Because of the large amount of Tall pine trees and hilly terrain it is necessary to 900 MHz to reach these customers.

I am familiar with the joint test report that WISPA and Progeny prepared and submitted to the FCC

Equipment	Test #	WISP Equipment Frequency (MHz)	Progeny Frequency Block(s) (MHz)	% Throughput Reduction /w Progeny Network "ON"
Cambium Canopy M9000 AP and M9000 SMC (SM on hill; AP on valley floor; both horizontal polarization)	1 DL 1 UL	902-910 (Outside Progeny B and C Blocks)	919-921 (B-Block) 925-927 (C-Block)	AP to SM – 0.5% SM to AP – None Overall = 0.5%
	2 DL 2 UL	916-924 (Overlaps Progeny B Block)	919-921 (B-Block) 925-927 (C-Block)	AP to SM – 14.9% SM to AP – 8.3% Overall = 23.2%
	3 DL 3 UL	919-927 (Overlaps Progeny B and C Blocks)	919-921 (B-Block) 925-927 (C-Block)	AP to SM – 49% SM to AP – 13.2% Overall = 62.2%
Ubiquiti Rocket M900S AP and CPE (AP on hill; CPE on valley floor; dual H and V polarization)	4 DL 4 UL	902-912 (Outside Progeny B and C Blocks)	919-921 (B-Block) 925-927 (C-Block)	AP to CPE – (+) 2% CPE to AP – 2.3% Overall = 0.2%
	5 DL 5 UL	912-922 (Overlaps Progeny B Block)	919-921 (B-Block) 925-927 (C-Block)	AP to CPE – 7.9% CPE to AP – 41.5% Overall = 49.4%
	6 DL 6 UL	917-927 (Overlaps Progeny B and C Blocks)	919-921 (B-Block) 925-927 (C-Block)	AP to CPE – 2.5% CPE to AP – 17.6% Overall = 20.1%

The above demonstrated throughput reductions as well as Progeny's ability to deploy an unknown and unlimited number of future base station transmitters creates a high level of new interference and constitutes an **"unacceptable level"** of both current and future interference because of the:

- Throughput reductions
- Reliability reductions
- Loss of channel use

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- Increased costs to re-engineer and re-build our network to deploy more low-level APs and backhauls to escape from Progeny interference
- Loss of our ability to serve as many customers
- Unlimited and unknown number of additional Progeny base station transmitters that may be deployed in the future which will cause us to experience continuing throughput reductions, reliability problems, customer losses, business harm, etc.

With the above test results your approval of this Progeny request will cause **unacceptable level of interference** to our customers, business plan, and the possible survivability of this service. I plead with you to reject this docket request.

Sincerely,



William M. Gleaton

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