

VIA ECFS

September 12, 2019

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

**EX PARTE FILING OF ENCINA COMMUNICATIONS CORPORATION
RE NOTICE OF PROPOSED RULE MAKING
ET DOCKET 18-295 UNLICENSED USE OF THE 6 GHz BAND AND
EXPANDING FLEXIBLE USE IN MID-BAND SPECTRUM
GN DOCKET NUMBER 17-183**

Dear Ms. Dortch:

Encina Communications Corp. (ECC) responds to the ex parte filings from RLAN proponents dated July 31, 2019¹ and August 23, 2019².

I. INTRODUCTION

The proposed random deployment of unlicensed devices in the 6 GHz band will cause harmful or catastrophic interference to existing and new licensed stations, and present a threat to public safety and the national communications infrastructure.

II. THE FLAW IN RLAN PROPONENT'S PROPOSALS

In their July 31, 2019 filing, RLAN proponents (Apple Inc. *et al.*) presented cases where they argued that uncoordinated unlicensed devices will not cause harmful interference. However, cases where unlicensed devices will not cause harmful interference is not the point -- the point is there are millions of instances where uncoordinated unlicensed devices *will* cause harmful or even catastrophic interference.³

In their August 23, 2019 filing, RLAN proponents (Broadcom Inc. *et al.*) presented cases to show that under specific benchtop conditions, uncoordinated unlicensed devices will not cause harmful interference. Once again, cases where uncoordinated unlicensed devices will not cause harmful interference is not the point -- the point is that there are millions of instances where uncoordinated unlicensed devices *will* cause harmful interference.

¹ Apple Inc. *et al.* filing of July 31, 2019

² Broadcom Inc. *et al.* filing of August 23, 2019

³ FWCC filing of August 22, 2019, ECC filing of July 18, 2009, ECC filing of March 14, 2019.

Also in their August 23, 2019 filing, RLAN proponents state that “FS outdoor testing is in progress.” Unless their outdoor testing demonstrates how harmful interference from all randomly deployed unlicensed devices can be eliminated, simply giving instances where uncoordinated unlicensed devices will not cause harmful interference is meaningless.

III. CONCLUSION

The proposed random deployment of unlicensed devices in the 6 GHz band will cause harmful or catastrophic interference to existing and new licensed stations, and present a threat to public safety and the national communications infrastructure.

Respectfully Submitted,
Michael Mulcay, Chairman & CTO

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