

FEDERAL COMMUNICATIONS COMMISSION
Experimental Licensing Branch
445 12th Street, S.W., Room 7A-321
Washington, D.C. 20554

February 14, 2019

Attn: 1845 W 205th St.
Physical Optics Corporation
1845 W 205th St.
Torrance, CA 90501
United States

DISMISSED-WITHOUT PREJUDICE

Dear 1845 W 205th St.,

This refers to application, File No. 2074-EX-ST-2018, for an experimental authorization.

You are advised that the Commission is unable to grant your application for the facilities requested. NTIA objects to the FCC STA request on behalf of Physical Optics Corporation for Torrance and Long Beach, CA during the period 01 January 2019 thru 01 July 2019, for the following reasons:

1. There is no description of the function of this radar in the 15.4-15.7 GHz band. Physical Optics Corporation should be aware that the 15.4-15.7 GHz band is allocated for Aeronautical Radionavigation and as such is suitable for unmanned aircraft detect and avoid (DAA) systems.
2. Physical Optics Corporation should also be aware that an allocation for Radiolocation is required for counter drone operations and there is no Radiolocation allocation in the 15.4-15.7 GHz band for US Civil operators. Further, Federal Government counter drone operators would be constrained by the footnote US511E which limits Federal Government Radiolocation operations in this band to system that require an emission bandwidths that exceed 1.6 GHz.

If you still wish to pursue testing, we recommend contacting the FAA to prior coordinate.

Responses to this correspondence must contain the Reference number : 46141

Sincerely,

Anthony Serafini
Chief
Experimental Licensing Branch