Imad Salha, 1930 S Vineyard Ave, Ontario, CA 91761,

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE

EXPERIMENTAL	WB2XDG
(Nature of Service)	(Call Sign)
XC MO	0059-EX-RR-2008
(Class of Station)	(File Number)

NAME BAE SYSTEMS

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(b) of the Commission's Rules

Station Locations

(1) MOBILE: SANTA MONICA, CA, within 6 km, centered around NL 34-00-57; WL 118-27-05
(2) MOBILE: NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL AIRPORT, NEWPORT NEWS, VA, within 10 km, centered around NL 37-07-54; WL 76-29-34
(3) MOBILE: RENO/TAHOE INTERNATIONAL AIRPORT, RENO, NV, within 10 km, centered around NL 39-29-54; WL 119-46-05
(4) MOBILE: WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OH, within 10 km, centered around NL 39-49-34; WL 84-02-53
(5) MOBILE: WALLOPS FLIGHT FACILITY, WALLOPS ISLAND, VA, within 10 km, centered around NL 37-56-24; WL 75-27-59
(6) MOBILE: LANGLEY AIR FORCE BASE, HAMPTON, VA, within 10 km, centered around NL 37-04-58; WL 76-21-37
(7) MOBILE: NATIONWIDE
(8) MOBILE: NATIONWIDE

Frequency Information

MOBILE: SANTA MONICA, CA, within 6 km, centered around NL 34-00-57; WL 118-27-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

This authorization effective April 01, 2008 and
will expire 3:00 A.M. EST April 01, 2010

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

MOBILE: NEWPORT NEWS/WILLIAMSBURG INTERNATIONAL AIRPORT, NEWPORT NEWS, VA, within 10 km, centered around NL 37-07-54; WL 76-29-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: RENO/TAHOE INTERNATIONAL AIRPORT, RENO, NV, within 10 km, centered around NL 39-29-54; WL 119-46-05

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OH, within 10 km, centered around NL 39-49-34; WL 84-02-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: WALLOPS FLIGHT FACILITY, WALLOPS ISLAND, VA, within 10 km, centered around NL 37-56-24; WL 75-27-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

Frequency Information

MOBILE: LANGLEY AIR FORCE BASE, HAMPTON, VA, within 10 km, centered around NL 37-04-58; WL 76-21-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: NATIONWIDE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
94 GHz	MO	500MF3N	500 mW (ERP)	

MOBILE: NATIONWIDE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
92-95 GHz	MO	3G00F8N	2 W (ERP)	

Special Conditions:

(1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

(2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

(3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

(4) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by NASA LaRC Cooperative Agreement number NCC-1-350. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.