

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

EXPERIMENTAL
(Nature of Service)

XT FX MO
(Class of Station)

WQ2XLG
(Call Sign)

0250-EX-CN-2026
(File Number)

NAME Saronic Technologies, Inc.

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(h) of the Commission's Rules

Station Locations

- (1) Coastal Waters, MS - NL 30-15-17; WL 88-55-47; MOBILE: Offshore- MS Gulfport, within 2.32 km, centered around NL 30-15-17; WL 88-55-47
- (2) Gulf of Mexico, GM - NL 30-08-43; WL 88-43-13; MOBILE: Offshore- MS Gulfport, within 14.82 km, centered around NL 30-08-43; WL 88-43-13
- (3) Gulfport, MS - NL 30-21-27; WL 89-05-29
- (4) Gulf of Mexico, GM - NL 29-55-19; WL 88-40-59; MOBILE: Offshore- MS Gulfport, within 12.96 km, centered around NL 29-55-19; WL 88-40-59
- (5) Gulf of Mexico, GM - NL 29-34-00; WL 88-14-44; MOBILE: Offshore- MS Gulfport, within 23.15 km, centered around NL 29-34-00; WL 88-14-44

Frequency Information

Coastal Waters, MS - NL 30-15-17; WL 88-55-47; MOBILE: Offshore- MS Gulfport, within 2.32 km, centered around NL 30-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	1M25G1D	254 W (ERP)	0.0005 %
		2M50G1D		
		5M00G1D		
		10M0G1D		
		20M0G1D		

This authorization effective June 29, 2026 and
will expire 3:00 A.M. EST July 01, 2028

FEDERAL
COMMUNICATIONS
COMMISSION



Frequency Information

Coastal Waters, MS - NL 30-15-17; WL 88-55-47; MOBILE: Offshore- MS Gulfport, within 2.32 km, centered around NL 30-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %

Gulf of Mexico, GM - NL 30-08-43; WL 88-43-13; MOBILE: Offshore- MS Gulfport, within 14.82 km, centered around NL 30-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2221.5-2246.5 MHz	MO	1M25G1D	254 W (ERP)	0.0005 %

Frequency Information

Gulf of Mexico, GM - NL 30-08-43; WL 88-43-13; MOBILE: Offshore- MS Gulfport, within 14.82 km, centered around NL 30-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %

Gulfport, MS - NL 30-21-27; WL 89-05-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	FX	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2221.5-2246.5 MHz	FX	1M25G1D 2M50G1D	254 W (ERP)	0.0005 %

Frequency Information

Gulfport, MS - NL 30-21-27; WL 89-05-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	FX	5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	FX	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	FX	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %

Gulf of Mexico, GM - NL 29-55-19; WL 88-40-59; MOBILE: Offshore- MS Gulfport, within 12.96 km, centered around NL 29-55-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D	254 W (ERP)	0.0005 %

Frequency Information

Gulf of Mexico, GM - NL 29-55-19; WL 88-40-59; MOBILE: Offshore- MS Gulfport, within 12.96 km, centered around NL 29-55-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %

Gulf of Mexico, GM - NL 29-34-00; WL 88-14-44; MOBILE: Offshore- MS Gulfport, within 23.15 km, centered around NL 29-34-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %
2221.5-2246.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D	254 W (ERP)	0.0005 %

Frequency Information

Gulf of Mexico, GM - NL 29-34-00; WL 88-14-44; MOBILE: Offshore- MS Gulfport, within 23.15 km, centered around NL 29-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2221.5-2246.5 MHz	MO	20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	254 W (ERP)	0.0005 %
2395-2483.5 MHz	MO	1M25G1D 2M50G1D 5M00G1D 10M0G1D 20M0G1D	507 W (ERP)	0.0005 %

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) 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.
- (3) The applicant must coordinate with the local Society of Broadcast Engineers Frequency Coordinator and the Fixed Microwave Service licensees in the proposed areas prior to operation in the frequency range from 2450 MHz to 2483.5 MHz.
- (4) Stop buzzers, Charles Floyd-Jones (504) 442-0596 and Jack Corso (703) 999-7213.
- (5) Operation is restricted to the 2221.5-2246.5 MHz band. The 2200-2221.5 MHz and 2246.5-2290 MHz bands are not permitted.
- (6) Operation is ground based transmit and light of sight operations only.
- (7) The long-term use the band 2221.5 -2246.5 MHz including renewal of this experimental license is not possible unless the operation is in direct support of a federal contract, as this band is restricted for federal-only use.
- (8) All transmissions overlapping the 2400-2420 MHz or 2460-2480 MHz frequency ranges must be disabled whenever the International Space Station (ISS, NORAD ID 25544) is within horizon-to-horizon view of the test location.
- (9) Operations shall be conducted on a non-interference basis for all federal users.

Special Conditions:

- (10) Upon notification from the FCC, operation on this assignment is subject to immediate cessation, if it causes harmful interference to ground stations in NTIA Manual 8.3.15 assignments and NASA operations.