

**TrellisWare Technologies, Inc.**  
**Experimental Application No. 0362-EX-CN-2021**  
**Narrative Statement**  
**Including Stop Buzzer & Gov't Contract Information**

TrellisWare Technologies, Inc. (“TrellisWare”) hereby provides information concerning its pending application for experimental authority to operate in the following frequency bands:

230-232 MHz  
237-238.2 MHz  
237.600 MHz  
240-243 MHz  
245-250 MHz  
260-262 MHz  
264-265.2 MHz  
271.600 MHz  
271-272.2 MHz  
286-287.2 MHz  
286.600 MHz  
300-304 MHz  
302.000 MHz  
311-313 MHz  
320-321.2 MHz  
344-345.2 MHz  
361-362.2 MHz  
361.600 MHz  
364-369 MHz  
373-376 MHz  
398-400 MHz

**Government Contract**

This experimental license is requested for the purpose of conducting testing of Trellis Ware’s TSM-enabled software defined radios (“SDRs”) pursuant to the following U.S. Government contract:

Agency: CSISR, U.S. Army, *via* National Spectrum Consortium

Contract No. NSC-19-9020

Government POC: Mr. Herald Beljour, (973) 445-9263, [herald.beljour.civ@mail.mil](mailto:herald.beljour.civ@mail.mil)

TrellisWare is currently under contract to the U.S. Army to develop and test software-defined tactical radios (“SDRs”) and waveforms. TrellisWare needs to conduct real-world testing at multiple frequencies, specifically the frequencies listed above.

TrellisWare will provide mobility and scalability across one network, and robust communication in harsh RF environments. TrellisWare will also troubleshoot technical issues, and train its applicable employees on all aspects of the SDRs to ensure the highest quality customer support.

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**FAA Coordination**

TrellisWare plans to operate in the 230-400 MHz spectrum range only on frequencies that are outside the FAA's "Annex A" bands. Officials state that no FAA coordination is required for the 220-400 MHz band, because no Annex A bands are included.

**Public Interest Statement**

TrellisWare submits that issuance of the requested experimental license will serve the public interest, convenience and necessity. The subject SDRs will contribute to the expansion of services to government & defense, by providing robust communications solutions when other radios cannot accommodate large-scale, highly mobile, or harsh RF environment missions. Grant of the requested experimental license will enable TrellisWare to conduct necessary testing and product development that will ensure that the subject SDRs are properly designed so that they will be operational at the highest level of efficiency when used by its government & defense customers.

**Restrictions on Operation**

TrellisWare also understands that the proposed experimental operation must not cause harmful interference to authorized facilities or operations. TrellisWare does not anticipate any interference issues. In the unlikely event that any interference occurs, TrellisWare will immediately take steps to resolve the interference, including discontinuing operation, if necessary. TrellisWare proposes to include following information in the subject SDRs' user's manuals:

***FCC Statement***

*Permission to operate this device has been granted under experimental authority issued by the Federal Communications Commission, is strictly temporary and may be cancelled at any time.*

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**Request for Expedited Processing**

TrellisWare proposes to start testing and developing the subject SDRs immediately; TrellisWare respectfully requests expedited processing to achieve this start date. The U.S. Army would like to take delivery as soon as the products become available. TrellisWare needs sufficient time to properly test, develop, and troubleshoot the SDRs at its proposed site.

**Special Conditions:**

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

**Stop Buzzer Contact**

"Stop Buzzer" contact is Michael Smith. Mr. Smith can be reached at (858) 888-5298, and shall be available during testing to cease operations in the event of any interference.

**Additional Information**

Required information concerning: (a) testing location and antenna specifications; (b) contacts; and (c) technical information are included in the accompanying application. If any further information is required to process the application, please contact the individual listed in the application as the person who can best handle inquiries pertaining to same.