

TrellisWare Technologies, Inc.
Application No. 0300-EX-CN-2018
Narrative Statement Addendum Regarding
Government Contract

TRELLSWARE TECHNOLOGIES, INC.
FORM 442 NARRATIVE STATEMENT

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

230-232 MHz
237-238.2 MHz
240-243 MHz
245-250 MHz
260-262 MHz
264-265.2 MHz
271-272.2 MHz
286-287.2 MHz
300-304 MHz
311-313 MHz
320-321.2 MHz
344-345.2 MHz
361-362.2 MHz
364-369 MHz
373-376 MHz
383.384.2 MHz
393-396 MHz
398-400 MHz
1375-1390 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: U.S. Special Operations Command
Contract No. H92222-17-D-0024
Government POC: Mr. Christopher Yates, (813) 826-1355, christopher.yates@socom.mil

TrellisWare is currently under contract to the U.S. Special Operations Command to deliver software-defined tactical radios. In order to test and validate these radios, TrellisWare needs to conduct real-world testing at multiple frequencies, specifically the frequencies listed above.

TrellisWare proposes to test and develop its TSM-enabled SDRs for delivery to the U.S. Special Operations Command. Because mission-critical communications take place in highly mobile, dynamic environments, TrellisWare must test and develop the subject SDRs to ensure that they

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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 TSM-enabled SDRs to ensure the highest quality customer support.

FAA Coordination

TrellisWare plans to operate in the 225-400 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 225-400 MHz band, because no Annex A bands are included.

Regarding operations in the 1375-1390 MHz, band, TrellisWare has obtained FCC coordination. The FAA coordination number is NG T180196.

Public Interest Statement

TrellisWare submits that issuance of the requested experimental license will serve the public interest, convenience and necessity. The TSM-enabled SDRs will contribute to the expansion of services to government & defense, by providing robust communications solutions when other MANETs 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 on or before May 10, 2018, but not before approval has been granted; TrellisWare respectfully requests expedited processing to achieve this start date. The U.S. Special Operations Command 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.