

**TrellisWare Technologies, Inc.**  
**Experimental Application No. 0799-EX-CN-2021**  
**Military Assignment Group Pre-Coordination Document**

Please see the attached NTIA/DoD license. The license pertains to the frequencies in the instant application and is valid until August 30, 2023.

06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 5.1 of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 230 MHz -232 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA	Transmit Coordinates (303) 330053N1170535W	TX Radius (306) 45 Kilometer(s)		
Receive Antenna Location (401,400) SAN DIEGO, CA	Receive Coordinates (403) 330053N1170535W	RX Radius (406)		
Command Application Number (702)	Serial Number (102) NG 214480	National Authority (103 or 710) J1430177		

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS, REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS  
None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 237.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA	Transmit Coordinates (303) 330053N1170535W	TX Radius (306) 45 Kilometer(s)		
Receive Antenna Location (401,400) SAN DIEGO, CA	Receive Coordinates (403) 330053N1170535W	RX Radius (406)		
Command Application Number (702)	Serial Number (102) NG 214478	National Authority (103 or 710) J1430183		

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFc) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS  
None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

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06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 240 MHz -243 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W	TX Radius (306) 45 Kilometer(s)	
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W	RX Radius (406)	
Command Application Number (702)		Serial Number (102) NG 214479	National Authority (103 or 710) J1430186	

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS  
None.

06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 245 MHz -250 MHz	Bandwidth (114) 4.00 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214481	National Authority (103 or 710) J1430189	

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222 17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (W AFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS  
None.

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06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 260 MHz -262 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214482	National Authority (103 or 710) J1430195	

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFIC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.1 of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 264.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214483	National Authority (103 or 710) J1430196	

Restrictions (500, 501, 520)

MO18,N ,180703,KEN,NMSC WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFc) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

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06/28/2021

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6 of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 271.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
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Transmit Antenna Location (301,300) SAN DIEGO, CA	Transmit Coordinates (303) 330053N1170535W	TX Radius (306) 45 Kilometer(s)
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Receive Antenna Location (401,400) SAN DIEGO, CA	Receive Coordinates (403) 330053N1170535W	RX Radius (406)
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Command Application Number (702) NG 214484	Serial Number (102) J1430201	National Authority (103 or 710)
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Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

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Radio Frequency Authorization (RFA)

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This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 286.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA	Transmit Coordinates (303) 330053N1170535W			TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA	Receive Coordinates (403) 330053N1170535W			RX Radius (406)
Command Application Number (702)	Serial Number (10 ; ) NG 214485	National Authority (103 or 710) J1430213		

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

06/28/2021

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 302 MHz	Bandwidth (114) 4.00 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214486	National Authority (103 or /10) J1430223	

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NIS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFc) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

06/28/2021

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110)	Bandwidth (114)	Emission (114)	Power (115)	TX Equipment (340)
311 MHz	1.20 MHz	G1D	2 Watt(s)	
-313 MHz				

Transmit Antenna Location (301,300)	Transmit Coordinates (303)	TX Radius (306)
SAN DIEGO, CA	330053N1170535W	45 Kilometer(s)

Receive Antenna Location (401,400)	Receive Coordinates (403)	RX Radius (406)
SAN DIEGO, CA	330053N1170535W	

Command Application Number (702)	Serial Number (102)	National Authority (103 or 710)
	NG 214487	J1430230

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018.N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAJ CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

06/28/2021

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 320.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (10..) NG 214488	National Authority (103 or 710) J1430235	

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (W AFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

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Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6 i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 344.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214489	National Authority (103 or 710) J1430249	

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024. STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

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Radio Frequency Authorization (RFA)

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This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 361.6 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W		TX Radius (306) 45 Kilometer(s)
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W		RX Radius (406)
Command Application Number (702)		Serial Number (102) NG 214490	National Authority (103 or 710) J1430256	

Restrictions (500, 501, 520)

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFc) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS  
None.

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This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110)	Bandwidth (114)	Emission (114)	Power (115)	TX Equipment (340)
364 MHz -369 MHz	4.00 MHz	G1D	2 Watt(s)	

Transmit Antenna Location (301,300)	Transmit Coordinates (303)	TX Radius (306)
SAN DIEGO, CA	330053N1170535W	45 Kilometer(s)

Receive Antenna Location (401,400)	Receive Coordinates (403)	RX Radius (406)
SAN DIEGO, CA	330053N1170535W	

Command Application Number (702)	Serial Number (10^)	National Authority (103 or 710)
	NG 214491	J1430258

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (W AFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None

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\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6 i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This license expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110) 373 MHz -376 MHz	Bandwidth (114) 1.20 MHz	Emission (114) G1D	Power (115) 2 Watt(s)	TX Equipment (340)
Transmit Antenna Location (301,300) SAN DIEGO, CA		Transmit Coordinates (303) 330053N1170535W	TX Radius (306) 45 Kilometer(s)	
Receive Antenna Location (401,400) SAN DIEGO, CA		Receive Coordinates (403) 330053N1170535W	RX Radius (406)	
Command Application Number (702)		Serial Number (102) NG 214492	National Authority (103 or 710) J1430262	

Restrictions (500, 501, 520)

L039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858-888-5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (WAFIC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

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06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110)	Bandwidth (114)	Emission (114)	Power (115)	TX Equipment (340)
398 MHz -400 MHz	1.20 MHz	G1D	2 Watt(s)	

Transmit Antenna Location (301,300)	Transmit Coordinates (303)	TX Radius (306)
SAN DIEGO, CA	330053N1170535W	45 Kilometer(s)

Receive Antenna Location (401,400)	Receive Coordinates (403)	RX Radius (406)
SAN DIEGO, CA	330053N1170535W	

Command Application Number (702)	Serial Number (102)	National Authority (103 or 710)
	NG 214495	J1430080

Restrictions (500, 501, 520)

E039 - THE AUTHORIZED EMISSION BANDWIDTH SHALL BE SO LOCATED WITHIN THE BAND THAT IT DOES NOT EXTEND BEYOND THE UPPER OR LOWER LIMITS OF THE AUTHORIZED BAND SHOWN IN THE \*FRB ENTRY OF CIRCUIT REMARKS. IF A PORTION(S) OF THE AUTHORIZED BAND IS/ARE TO BE EXCLUDED (\*FBE) THE AUTHORIZED EMISSION BANDWIDTH MUST NOT EXTEND INTO ANY PORTION(S) OF THE EXCLUDED BAND(S).

M018,N ,180703,KEN,NMSC - WHEN A FREQUENCY APPLICATION HAS BEEN PRE-COORDINATED BETWEEN TWO AGENCIES PRIOR TO THE APPLICATION BEING SUBMITTED TO THE FAS, USE THIS CIRCUIT REMARKS FIELD (\*NTS) TO INDICATE AGENCY, PERSON, DATE AND LIMITATIONS/REFERENCE. (OPTIONAL)

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0024.STOP BUZZERS, MICHAEL SMITH AT 858 888 5298. MAG CHAIR (WHITTINGTON) CONCURS 7/03/2018. TRELLISWARE MUST CONTACT THE WESTERN AREA FREQUENCY COORDINATOR (W AFC) JAMIE HEATON AT 760-939-6832 PRIOR TO TRANSMITTING.

SPECIAL HANDLING INSTRUCTIONS

None.

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*

06/28/2021

\*\*\*\*\* UNCLASSIFIED \*\*\*\*\*  
Radio Frequency Authorization (RFA)

This license is granted pursuant to Chapter 1 Part 1.1 Section 6.i of the NTIA Manual by authority of the Department of Defense Army Spectrum Management Office (ASMO).

This License expires on: August 30, 2023. For continued use of this equipment, YOU MUST SUBMIT a request to your Frequency Manager 90 days prior to August 30, 2023.

Frequency (110)	Bandwidth (114)	Emission (114)	Power (115)	TX Equipment (340)
1382.5 MHz	15.00 MHz	W7D	2 Watt(s)	C,TWT TSM-ENABLED SD
	15.00 MHz	G1D	2 Watt(s)	

Transmit Antenna Location (301,300)	Transmit Coordinates (303)	TX Radius (306)
SAN DIEGO, CA	330053N1170535W	45 Kilometer(s)

Receive Antenna Location (401,400)	Receive Coordinates (403)	RX Radius (406)
SAN DIEGO, CA	330053N1170535W	

Command Application Number (702)	Serial Number (102)	National Authority (103 or 710)
	NG 214496	J1418418

Restrictions (500, 501, 520)  
C089 - THIS FREQUENCY ASSIGNMENT WAS COORDINATED PRIOR TO AUTHORIZATION WITH FAA HEADQUARTERS, 800 INDEPENDENCE AVENUE, S.W., WASHINGTON, DC 20591; TELEPHONE: 202-267-8699.

Supplementary Details - TESTING SOFTWARE-DEFINED TACTICAL RADIOS. USSOCOM CONTRACT, H92222-17-D-0 024, CHRISTOPHER YATES 813-826-1335. STOP BUZZERS, MICHAELSMITH AT 858-888-5298.

SPECIAL HANDLING INSTRUCTIONS  
None.