



Todd Dudley <tdudley@xtar.com>

XTAR: Pre-Coordination for X-band License/STA Request: Tampa Microwave X-band Test Circuit

12 messages

Todd Dudley <tdudley@xtar.com>

Fri, Sep 27, 2019 at 4:22 PM

To: "Nguyen, Jimmy CIV USAF (US)" <jimmy.nguyen@us.af.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, robert.e.avery1.civ@mail.mil, "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (USA)" <dan.kibe@navy.mil>, farsheed.alaaee@s3-corp.com, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>
Cc: Jim Chambers <jchambers@xtar.com>

Gentlemen,

I hope everyone is well. Tampa Microwave is working to constantly improve its family of X-band VSATs, which are already in use by the DoD. We would like to setup a standing INCONUS test network for them to conduct their testing in order to minimize pass-through costs to the DoD were the terminals required to be tested (a) only on WGS (preemption delays and program costs) or (b) OCONUS.(exorbitant transportation costs).

Pre-coordination sheet is attached. We greatly appreciate the Precoordination Sheet provided to us previously for the Mallard testing, and we have filled the same sheet out again, now to describe the proposed Tampa Microwave circuit. In short summary, Tampa will be testing their 65cm/95cm/1.3m VSATs using a 2.4m hub located in/near St. Petersburg, FL. As you are aware, XTAR does not cause interference with WGS satellites because of the use of directional (i.e. parabolic) VSAT antennas such as those proposed for testing, and the wide separation (>12 degrees) between XTAR and WGS assets, coordinated before launch in 2005.

Antenna patterns for the 3 VSATs are provided within; we will provide the 2.4m patterns (once the antenna is selected) as part of the FCC license request but wanted to get this pre-coordination package in to you for your soonest SA.

I would be pleased to discuss over the phone or answer any questions by email, otherwise simply looking for the "all-clear" to submit the license/STA request.

Thank you and best regards,
Todd

**SMO Precoordination Sheet - Tampa Microwave X-band Test Network - 27 Sep 19.docx**
1929K

Todd Dudley <tdudley@xtar.com>

Thu, Oct 3, 2019 at 3:19 PM

To: "Nguyen, Jimmy CIV USAF (US)" <jimmy.nguyen@us.af.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, robert.e.avery1.civ@mail.mil, "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (USA)" <dan.kibe@navy.mil>, farsheed.alaaee@s3-corp.com, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>
Cc: Jim Chambers <jchambers@xtar.com>

Gentlemen,

Just want to ensure you've received and have been able to pre-coord on this before we submit a STA/License request. Please let me know if you have any questions; we'd like to submit to FCC early next week if possible.

Thank you,
Todd

[Quoted text hidden]

--

Todd C. Dudley



Director, Navy and Maritime Programs
43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com
www.xtar.com



NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI <jimmy.nguyen@us.af.mil> Fri, Oct 4, 2019 at 9:24 AM
To: Todd Dudley <tdudley@xtar.com>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, "Robert E Avery1 CIV USARMY HQDA CIO G-6 (US)" <robert.e.avery1.civ@mail.mil>, "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (USA)" <dan.kibe@navy.mil>, "Farsheed Alaei CIV USN NAVMARSPECCN FTM MD (USA)" <farsheed.alaei@s3-corp.com>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.ingram.civ@mail.mil>
Cc: Jim Chambers <jchambers@xtar.com>

Todd,

Others can chime in but below is my comments/questions.

- a) As previously advised, support for COMSATCOM at Mil X band in the US&P will be considered on a short term, case by case basis. I can't support any automatically renewal.
- b) I am not fully clear about the requirement for this coordination. If this is strictly for IR&D, please provide the IR&D end to end schedule. If this is the requirement to support DoD terminals required to be tested then please provide the DoD POCs for this requirement.
- c) Also, do you have the Government POC/s that has/have a desire/requirement for the terminals that you mentioned below and/or listed in the Coord document.

Thanks.

V/R

Jimmy

[Quoted text hidden]

DISCLAIMER: This email communication and any attached files are XTAR proprietary and may be legally privileged. Export-controlled information shall not be disseminated without proper authorization and proper export-control markings, per XTAR export policy. If you have received this transmission in error please notify the sender immediately and then delete this email and all its attachments. If you are not the addressee, any disclosure, reproduction, copying, distribution, or any other dissemination or use of this communication is strictly prohibited. Thank you.

Jones, Keith K CIV NMSC, NMSC <keith.k.jones@navy.mil>

Fri, Oct 4, 2019 at 9:40 AM

To: Todd Dudley <tdudley@xtar.com>

Cc: Jim Chambers <jchambers@xtar.com>, "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>, "farsheed.alaae@s3-corp.com" <farsheed.alaae@s3-corp.com>, "Kibe, Dan M GS13 NMSC, NMSC" <dan.kibe@navy.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.inghram.civ@mail.mil>, "robert.e.avery1.civ@mail.mil" <robert.e.avery1.civ@mail.mil>, "Alaae, Farsheed CTR NMSC" <farsheed.alaae.ctr@navy.mil>, "Palacios, Eric M CIV USN NAVMARSPECCN FTM MD (USA)" <eric.palacios1@navy.mil>

Good morning Todd,

Navy has reviewed your request and we concur with AF comments/questions below.

Standing by.

Keith K. Jones

Telecommunications Specialist

Navy and Marine Corps Spectrum Center

N5 Plans & Strategic Div

6910 Cooper Ave, Fort Meade, MD 20755-0549

Comm: 301-225-3695

DSN: 375-3695

Fax 301-225-0583

NIPRNet Email: keith.k.jones@navy.mil

SIPRNet Email: keith.jones@navy.smil.mil

****FOR OFFICIAL USE ONLY - PRIVACY SENSITIVE**** This message may contain information that is covered by the "Privacy Act of 1974" and should be viewed only by those with an official "need to know." If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the content of this information is prohibited. If you have received this communication in error, please notify me immediately by e-mail and delete the original message.

[Quoted text hidden]

Todd Dudley <tdudley@xtar.com>

Mon, Nov 4, 2019 at 3:47 PM

To: "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>

Cc: Jim Chambers <jchambers@xtar.com>, "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>, "farsheed.alaae@s3-corp.com" <farsheed.alaae@s3-corp.com>, "Kibe, Dan M GS13 NMSC, NMSC" <dan.kibe@navy.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.inghram.civ@mail.mil>, "robert.e.avery1.civ@mail.mil" <robert.e.avery1.civ@mail.mil>, "Alaae, Farsheed CTR NMSC" <farsheed.alaae.ctr@navy.mil>, "Palacios, Eric M CIV USN NAVMARSPECCN FTM MD (USA)" <eric.palacios1@navy.mil>

Good afternoon gentlemen,

I hope you are all doing well. It has been a couple of weeks - I've been away on business travel but didn't want to leave your questions unanswered:

a) As previously advised, support for COMSATCOM at Mil X band in the US&P will be considered on a short term, case by case basis. I can't support any automatically renewal.

We are ok with the 6-month STA time frame limitations. Question: Do we simply reapply for recurring 6-month STA extensions as Tampa Microwave's support to the SOCOM DoD program continues?

b) I am not fully clear about the requirement for this coordination. If this is strictly for IR&D, please provide the IR&D end to end schedule. If this is the requirement to support DoD terminals required to be tested then please provide the DoD POCs for this requirement.

This is for pre-delivery production testing of a SOCOM terminal, and repair and replacement of in-service SOCOM stocks. Since this is to support a program of record requirement for SOCOM, we don't have an end-to-end schedule. See below SOCOM POC info at bottom.

c) Also, do you have the Government POC/s that has/have a desire/requirement for the terminals that you mentioned below and/or listed in the Coord document.

SOCOM POCs:

Timothy N Theaker
Spectrum Manager
Satellite Operations, J636-S
Comm: 813-826-5899
DSN: 312-299-5899
Red: 299-3309
SOCOM SPECTRUM <SOCOM_SPECTRUM@socom.mil>

SDN-L Program Manager
D. Jarrett Potts
HQUSSOCOM
Acquisition Program Manager SDN
COMM: 813-826-7011
DSN: 299-7011
RED: 299-5962
Potts, Daniel J CIV USSOCOM HQ <Daniel.Potts@socom.mil>

Thank you for your continued assistance. We are working on providing the antenna patterns for the 2.4m hub presently and will forward to you when ready to assist with your pre-coordination clearance.

Todd

[Quoted text hidden]

Todd Dudley <tdudley@xtar.com> Fri, Nov 15, 2019 at 1:00 PM
To: "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>, "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "farsheed.alaae@s3-corp.com" <farsheed.alaae@s3-corp.com>, "Kibe, Dan M GS13 NMSC, NMSC" <dan.kibe@navy.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA)" <ricardo.brooks@navy.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.inghram.civ@mail.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US)" <stephen.b.harris6.civ@mail.mil>, "Alaae, Farsheed CTR NMSC" <farsheed.alaae.ctr@navy.mil>, "Palacios, Eric M CIV USN NAVMARSPECCN FTM MD (USA)" <eric.palacios1@navy.mil>, "robert.e.avery1.civ@mail.mil" <robert.e.avery1.civ@mail.mil>
Cc: Jim Chambers <jjchambers@xtar.com>, Richard Galos <Rgalos@xtar.com>

Gentlemen,

Attaching a final version of the Tampa Microwave STA Request. A separate version for CUBIC/GATR is forthcoming. Together, the two STAs will permit both companies to better support manufacturer repair and return of DoD stock, and permit pre-delivery testing and product improvement.

Being X-band, this is being done for USG benefit, of course. SMO concurrence on this precoord document greatly appreciated, when ready.

Have a great weekend. Please contact me if you have any questions.

Thank you,
Todd

[Quoted text hidden]

 **SMO Precoordination Sheet - XTAR Tampa Microwave Test Network - 14 Nov 19.pdf**
1254K

Harris, Stephen B CIV USARMY HQDA CIO G-6 (USA) <stephen.b.harris6.civ@mail.mil> Thu, Nov 21, 2019 at 5:21 PM
To: Todd Dudley <tdudley@xtar.com>

Hi Todd,

Welcome back from your travels.

Remind me to send you the holiday invitation for the 5th of December downtown D.C.

Best Regards,
Stephen

-----Original Message-----

From: Todd Dudley <tdudley@xtar.com>

Sent: Friday, November 15, 2019 1:01 PM

To: Nguyen, Jimmy CIV USAF (USA) <jimmy.nguyen@us.af.mil>; Jones, Keith K CIV USN NAVMARSPECCN FTM MD (USA) <keith.k.jones@navy.mil>; farsheed.alaae@s3-corp.com; Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (USA) <dan.kibe@navy.mil>; Xu, Shaobei CIV USAF AFSMO (USA) <shaobei.xu.1@us.af.mil>; Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA) <ricardo.brooks@navy.mil>; Inghram, Travis J CIV USARMY SMDC (US) <travis.j.inghram.civ@mail.mil>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (USA) <stephen.b.harris6.civ@mail.mil>; Alaae, Farsheed CTR NMSC <farsheed.alaae.ctr@navy.mil>; Palacios, Eric M CIV USN NAVMARSPECCN FTM MD (USA) <eric.m.palacios4.civ@mail.mil>; robert.e.avery1.civ@mail.mil

Cc: Jim Chambers <jchambers@xtar.com>; Richard Galos <Rgalos@xtar.com>

Subject: Re: [Non-DoD Source] Re: XTAR: Pre-Coordination for X-band License/STA Request: Tampa Microwave X-band Test Circuit

All active links contained in this email were disabled. Please verify the identity of the sender, and confirm the authenticity of all links contained within the message prior to copying and pasting the address to a Web browser.

Gentlemen,

Attaching a final version of the Tampa Microwave STA Request. A separate version for CUBIC/GATR is forthcoming. Together, the two STAs will permit both companies to better support manufacturer repair and return of DoD stock, and permit pre-delivery testing and product improvement.

Being X-band, this is being done for USG benefit, of course. SMO concurrence on this precoord document greatly appreciated, when ready.

Have a great weekend. Please contact me if you have any questions.

Thank you,
Todd

On Mon, Nov 4, 2019 at 3:47 PM Todd Dudley <tdudley@xtar.com < Caution-mailto:tdudley@xtar.com > > wrote:

Good afternoon gentlemen,

I hope you are all doing well. It has been a couple of weeks - I've been away on business travel but didn't want to leave your questions unanswered:

a) As previously advised, support for COMSATCOM at Mil X band in the US&P will be considered on a short term, case by case basis. I can't support any automatically renewal.

We are ok with the 6-month STA time frame limitations. Question: Do we simply reapply for recurring 6-month STA extensions as Tampa Microwave's support to the SOCOM DoD program continues?

b) I am not fully clear about the requirement for this coordination. If this is strictly for IR&D, please provide the IR&D end to end schedule. If this is the requirement to support DoD terminals required to be tested then please provide the DoD POCs for this requirement.

This is for pre-delivery production testing of a SOCOM terminal, and repair and replacement of in-service SOCOM stocks. Since this is to support a program of record requirement for SOCOM, we don't have an end-to-end schedule. See below SOCOM POC info at bottom.

c) Also, do you have the Government POC/s that has/have a desire/requirement for the terminals that you mentioned below and/or listed in the Coord document.

SOCOM POCs:

Timothy N Theaker

Spectrum Manager

Satellite Operations, J636-S

Comm: 813-826-5899

DSN: 312-299-5899

Red: 299-3309

SOCOM SPECTRUM <SOCOM_SPECTRUM@socom.mil < Caution-mailto:SOCOM_SPECTRUM@socom.mil > >

SDN-L Program Manager

D. Jarrett Potts

HQUSSOCOM

Acquisition Program Manager SDN

COMM: 813-826-7011

DSN: 299-7011

RED: 299-5962

Potts, Daniel J CIV USSOCOM HQ <Daniel.Potts@socom.mil < Caution-mailto:Daniel.Potts@socom.mil > >

Thank you for your continued assistance. We are working on providing the antenna patterns for the 2.4m hub presently and will forward to you when ready to assist with your pre-coordination clearance.

Todd

On Fri, Oct 4, 2019 at 9:40 AM Jones, Keith K CIV NMSC, NMSC <keith.k.jones@navy.mil < Caution-mailto:keith.k.jones@navy.mil > > wrote:

Good morning Todd,

Navy has reviewed your request and we concur with AF comments/questions below.

Standing by.

Keith K. Jones

Telecommunications Specialist

Navy and Marine Corps Spectrum Center

N5 Plans & Strategic Div

6910 Cooper Ave, Fort Meade, MD 20755-0549

Comm: 301-225-3695

DSN: 375-3695

Fax 301-225-0583

NIPRNet Email: keith.k.jones@navy.mil < Caution-mailto:keith.k.jones@navy.mil >

SIPRNet Email: keith.jones@navy.smil.mil < Caution-mailto:keith.jones@navy.smil.mil >

[Quoted text hidden]

<Caution-<http://www.xtar.com/images/sig.png>>

Director, Navy and Maritime Programs

43777 Central Station Drive, Suite 360
Ashburn, VA 20147

COMM: +1 (571) 281-3572 < tel:%2B1571-281-3572 >

VOSIP: +1 (703) 729-3502

Email: tdudley@xtar.com < Caution-mailto:tdudley@xtar.com >

[Caution-www.xtar.com](http://www.xtar.com) < Caution-<http://www.xtar.com> >

<Caution-<https://docs.google.com/uc?export=download&id=0BxBoBBs3SOZhTTkyLTBwa1pFTE0&revid=0BxBoBBs3SOZhMUQxcjM0aU01SXVksHhHV0FUTkxicFpqTzZzPQ>> < Caution-https://twitter.com/XTARLLC?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor > <Caution-<https://docs.google.com/a/xtar.com/uc?id=0BxBoBBs3SOZhZVA0dlpSMnR1Snc&export=download>> < Caution-<https://www.linkedin.com/company/xtar> >

DISCLAIMER: This email communication and any attached files are XTAR proprietary and may be legally privileged. Export-controlled information shall not be disseminated without proper authorization and proper export-control markings, per XTAR export policy. If you have received this transmission in error please notify the sender immediately and then delete this email and all its attachments. If you are not the addressee, any disclosure, reproduction, copying, distribution, or any other dissemination or use of this communication is strictly prohibited. Thank you.

--

Todd C. Dudley

<Caution-<http://www.xtar.com/images/sig.png>>

Director, Navy and Maritime Programs
43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572 < tel:%2B1571-281-3572 >
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com < Caution-mailto:tdudley@xtar.com >

[Caution-www.xtar.com](http://www.xtar.com)

<Caution-<https://docs.google.com/uc?export=download&id=0BxBoBBs3SOZhTTkyLTBwa1pFTE0&revid=0BxBoBBs3SOZhMUQxcjM0aU01SXVksHhHV0FUTkxicFpqTzZzPQ>> < Caution-https://twitter.com/XTARLLC?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor > <Caution-<https://docs.google.com/a/xtar.com/uc?id=0BxBoBBs3SOZhZVA0dlpSMnR1Snc&export=download>> < Caution-<https://www.linkedin.com/company/xtar> >

--

Todd C. Dudley

<Caution-<http://www.xtar.com/images/sig.png>>

Director, Navy and Maritime Programs
43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572 < tel:%2B1571-281-3572 >
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com < Caution-mailto:tdudley@xtar.com >

[Caution-www.xtar.com](http://www.xtar.com)

<Caution-<https://docs.google.com/uc?export=download&id=0BxBoBBs3SOZhTTkyLTBwa1pFTE0&revid=0BxBoBBs3SOZhMUQxcjM0aU01SXVksHhHV0FUTkxicFpqTzZzPQ>> < Caution-https://twitter.com/XTARLLC?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor > <Caution-<https://docs.google.com/a/xtar.com/uc?id=0BxBoBBs3SOZhZVA0dlpSMnR1Snc&export=download>> < Caution-<https://www.linkedin.com/company/xtar> >

[Quoted text hidden]

NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI <jimmy.nguyen@us.af.mil>

Fri, Nov 22, 2019 at 11:02 AM

To: Todd Dudley <tdudley@xtar.com>

Cc: "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "farsheed.alaae@s3-corp.com" <farsheed.alaae@s3-corp.com>, "Kibe, Dan M GS13 NMSC, NMSC" <dan.kibe@navy.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.ingham.civ@mail.mil>, "eric.palacios1@navy.mil" <eric.palacios1@navy.mil>, "AVERY, ROBERT E CIV USAF ACC AFSMO/AFSMO" <robert.avery.9@us.af.mil>, "Theaker, Timothy N CTRCTR USSOCOM SOCOM (USA)" <Timothy.Theaker.ctr@socom.mil>, "WATT, VERNON F GS-13 USSOCOM SOCOM AFELM US SOCOM JX/J633-O" <vernon.watt@us.af.mil>

Todd,

AF can support this request up to 31 July 2023 with the conditions below. As this is SOCOM requirement, I will take the lead to coordinate with Navy and Army (Navy and Army POCs are not in the Office today) and obtain their concurrence. I will advise you, hopefully by early next week, on the submittal of this request to the FCC for coordination with NTIA. While waiting for my email or coordination with Navy and Army, based on the needed date and the timeline to get this thru the FCC via Experimental License or STA Process, I would recommend you contact FCC and get their advice on the best process (e.g., Experimental License or STA Process) to meet our needed date. As advised above, we can support a STA or Experimental License with a 31 July 2023 expiration date. Please let me know if you have any questions.

Condition 1: Please update the attached Precoord Sheet with the followings and send it back to me:

- a. Block I, question 1: Change to read "AF sponsor"
- b. Block I, question 2: Add " Contract Number: H92401-18-D-0005; Period of Performance: 01 Aug 2018 through 31 July 2023; 5 years contract with no options years"

Condition 2: Navy and Army may give me additional conditions after my coordination with them ... but the followings are the four AF conditions for this STA or Experimental License

1. All XTAR testing granted shall be conducted on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, authorized DoD stations
2. All XTAR testing shall be conducted IAW the purpose, configuration and RF parameters (e.g., orbital slot/s, specific frequencies, emission designators, etc.) that XTAR coordinated with Air Force (Jimmy Nguyen) and ARSTRAT (Travis Inghram) for this specific STA/Experimental License
3. The emissions designators listed in this grant are approved for the stated occupied bandwidth only. Occupied bandwidths that are less than the above emissions are not authorized
4. As soon as possible but no later than 3 business days prior to any planned testing, XTAR is required to provide Jimmy Nguyen (Email: jimmy.nguyen@us.af.mil, AFSMO) and Travis J. Inghram (Email: travis.j.ingham.civ@mail.mil, ARSTRAT) with the planned testing date/duration and the stop buzzer POC for the testing. If planned testing conflicts with DoD operations, additional evaluations and/or restrictions will be required.

Best Regards,

Jimmy

From: Todd Dudley <tdudley@xtar.com>

Sent: Friday, November 15, 2019 1:01 PM

To: NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI <jimmy.nguyen@us.af.mil>; Jones, Keith K CIV NMSC, NMSC <keith.k.jones@navy.mil>; farsheed.alaae@s3-corp.com; Kibe, Dan M GS13 NMSC, NMSC <dan.kibe@navy.mil>; XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI <shaobei.xu.1@us.af.mil>; Brooks, Ricardo Dorian (Rickey) CIV USN NAVMARSPECCN FTM MD (USA) <ricardo.brooks@navy.mil>; Inghram, Travis J CIV USARMY SMDC (US) <travis.j.ingram.civ@mail.mil>; Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) <stephen.b.harris6.civ@mail.mil>; Alaae, Farsheed CTR NMSC <farsheed.alaae.ctr@navy.mil>; Palacios, Eric M CIV USN NAVMARSPECCN FTM MD (USA) <eric.palacios1@navy.mil>; robert.e.avery1.civ@mail.mil

Cc: Jim Chambers <jchambers@xtar.com>; Richard Galos <Rgalos@xtar.com>

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

[Quoted text hidden]

Todd C. Dudley

Director, Navy and Maritime Programs

43777 Central Station Drive, Suite 360
Ashburn, VA 20147

COMM: +1 (571) 281-3572

VOSIP: +1 (703) 729-3502

Email: tdudley@xtar.com

www.xtar.com

DISCLAIMER: This email communication and any attached files are XTAR proprietary and may be legally privileged. Export-controlled information shall not be disseminated without proper authorization and proper export-control markings, per XTAR export policy. If you have received this transmission in error please notify the sender immediately and then delete this email and all its attachments. If you are not the addressee, any disclosure, reproduction, copying, distribution, or any other dissemination or use of this communication is strictly prohibited. Thank you.

--

Todd C. Dudley

[Redacted]

Director, Navy and Maritime Programs

43777 Central Station Drive, Suite 360
Ashburn, VA 20147

COMM: +1 (571) 281-3572

VOSIP: +1 (703) 729-3502

Email: tdudley@xtar.com

www.xtar.com

[Redacted]

--

Todd C. Dudley

[Redacted]

Director, Navy and Maritime Programs

43777 Central Station Drive, Suite 360
Ashburn, VA 20147

COMM: +1 (571) 281-3572

VOSIP: +1 (703) 729-3502

Email: tdudley@xtar.com

www.xtar.com

[Redacted]

[Quoted text hidden]



SMO Precoordination Sheet - XTAR Tampa Microwave Test Network - 14 Nov 19.pdf

1254K

Todd Dudley <tdudley@xtar.com>

Fri, Nov 22, 2019 at 12:17 PM

To: "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>

Cc: "Jones, Keith K CIV NMSC, NMSC" <keith.k.jones@navy.mil>, "farsheed.alaaee@s3-corp.com" <farsheed.alaaee@s3-corp.com>, "Kibe, Dan M GS13 NMSC, NMSC" <dan.kibe@navy.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.inghram.civ@mail.mil>, "eric.palacios1@navy.mil" <eric.palacios1@navy.mil>, "AVERY, ROBERT E CIV USAF ACC AFSMO/AFSMO" <robert.avery.9@us.af.mil>, "Theaker, Timothy N CTRCTR USSOCOM SOCOM (USA)" <Timothy.Theaker.ctr@socom.mil>, "WATT, VERNON F GS-13 USSOCOM SOCOM AFELM US SOCOM JX/J633-O" <vernon.watt@us.af.mil>

Jimmy -

Thank you for your email. We will make requested edits to the precoord document and resubmit for record. Tampa advised us yesterday that they would like to begin testing with their 1.3m dish, vice the 2.4m as coordinated, until the 2.4m dish is fully ready (est Feb). We will add antenna patterns and pertinent info on the 1.3m dish into the copy that we will refile with you shortly.

V/r,
Todd

[Quoted text hidden]

Todd C. Dudley



Director, Navy and Maritime Programs

43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com
www.xtar.com



Todd Dudley <tdudley@xtar.com>
To: Richard Galos <Rgalos@xtar.com>

Fri, Nov 22, 2019 at 12:34 PM

[Quoted text hidden]

Todd C. Dudley



Director, Navy and Maritime Programs
43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com
www.xtar.com



 **SMO Precoordination Sheet - XTAR Tampa Microwave Test Network - 14 Nov 19.pdf**
1254K

AVERY, ROBERT E CIV USAF ACC AFSMO/AFSMO <robert.avery.9@us.af.mil>

Mon, Dec 2, 2019 at 2:08 PM

To: Todd Dudley <tdudley@xtar.com>

Cc: "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>, "Jones, Keith K CIV NMSC, NMSC (keith.k.jones@navy.mil)" <keith.k.jones@navy.mil>, "Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (US) (dan.kibe@navy.mil)" <dan.kibe@navy.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) (stephen.b.harris6.civ@mail.mil)" <stephen.b.harris6.civ@mail.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.inghram.civ@mail.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>

Todd,

IAW Jimmy's comments below, we have received pre-coordination concurrence from Navy and Army reps. Please move forward in submitting your experimental request to FCC.

Additionally, (if you haven't already done so) as noted in "Condition 1" below, please update the attached precoord sheet as noted below and submit back to Jimmy. If you have any

Questions or concerns, please let us know. Thank you.

V/R

Rob

[Quoted text hidden]

**SMO Precoordination Sheet - XTAR Tampa Microwave Test Network - 14 Nov 19.pdf**
1254K**Todd Dudley** <tdudley@xtar.com>

Mon, Dec 2, 2019 at 3:11 PM

To: "AVERY, ROBERT E CIV USAF ACC AFSMO/AFSMO" <robert.avery.9@us.af.mil>

Cc: "NGUYEN, JIMMY GS-14 USAF ACC AFSMO/SMI" <jimmy.nguyen@us.af.mil>, "Jones, Keith K CIV NMSC, NMSC (keith.k.jones@navy.mil)" <keith.k.jones@navy.mil>, "Kibe, Dan M CIV USN NAVMARSPECCN FTM MD (US) (dan.kibe@navy.mil)" <dan.kibe@navy.mil>, "Harris, Stephen B CIV USARMY HQDA CIO G-6 (US) (stephen.b.harris6.civ@mail.mil)" <stephen.b.harris6.civ@mail.mil>, "Inghram, Travis J CIV USARMY SMDC (US)" <travis.j.ingram.civ@mail.mil>, "XU, SHAOBEI GS-13 USAF ACC AFSMO/AFSMO/SMI" <shaobei.xu.1@us.af.mil>, Richard Galos <Rgalos@xtar.com>

Hi Rob,

Thank you for your email. We recently submitted the clarifications requested and we will submit the FCC experimental license application in the near future and keep you apprised once submitted.

Happy Holidays,
Todd

[Quoted text hidden]

Todd C. Dudley

Director, Navy and Maritime Programs
43777 Central Station Drive, Suite 360
Ashburn, VA 20147
COMM: +1 (571) 281-3572
VOSIP: +1 (703) 729-3502
Email: tdudley@xtar.com
www.xtar.com

