



DEPARTMENT OF THE AIR FORCE  
AIR FORCE SPECTRUM MANAGEMENT OFFICE

20 November 2013

MEMORANDUM FOR MR ERIC BARNES, USSOCOM SOFTACS PROGRAM MANAGER

FROM: AFSMO/SMI

SUBJECT: GATR Technologies Request for Testing in X-band (Barnes Memo, SORDAC C4, 19 November 2013)

1. AFSMO/SMI reviewed your request for GATR technologies testing in X-band over either XTAR-LANT, Anik G1, Skynet 4F, or Skynet 5C satellites and concurs with the proposed testing as describe in your Memo, SORDAC 4, 19 November 2013, for a one year period, November 25, 2013 through November 24, 2014.
2. A one year frequency authorization request must be submitted and approved by the Federal Communications Commission (FCC) prior to turning on the equipment for testing.
3. Additional testing beyond November 24, 2014 would require your office to coordinate the requirement with AFSMO/SMI prior to submitting frequency authorization request to the FCC.
4. Please refer any questions regarding this Memo to the undersigned Air Force representative at the National Telecommunications & Information Administration Interdepartmental Radio Advisory Committee (NTIA/IRAC), COMM: 301-225-3729, DSN: 375-3729, Email: jimmy.nguyen@pentagon.af.mil.

A handwritten signature in black ink, appearing to read "Jimmy Nguyen", with a long, sweeping flourish extending to the right.

Jimmy Nguyen, GS-14, DAFC  
Chief, International & Space Spectrum Division

Attachment

1. SORDAC C4 Memo



UNITED STATES SPECIAL OPERATIONS COMMAND  
7701 TAMPA POINT BLVD  
MACDILL AIR FORCE BASE, FLORIDA 32621-6221

SORDAC C4

19 November 2013

MEMORANDUM FOR MR. JIMMY NGUYEN, REPRESENTATIVE, DEFENSE  
INFORMATION SYSTEMS AGENCY, ATTN: AFSMO, P.O. BOX 549, FT. MEADE, MD  
20755-0549

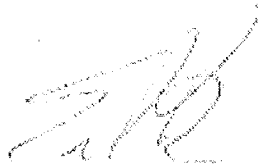
SUBJECT: GATR Technologies Request for Testing in X-band

1. The United States Special Operations Command (USSOCOM) Special Operations Forces Tactical Assured Connectivity System (SOFTACS) Program consists of several C4 systems and SATCOM products, and is responsible for providing deployable communications worldwide for US Special Operations Forces. A contract was established with GATR Technologies of Huntsville, Alabama, to facilitate the procurement of Inflatable SATCOM Antennas in the Ku-, C-, and X-band frequencies, in support of government projects, training, missions, and deployments.
2. The X-band products procured by the government are required to be tested and operationally verified as part of contract deliverables. The 2.4-meter and 1.2m GATR inflatable antennas have successfully completed Phase III ARSTRAT Testing in X-band. However, GATR does not currently have a means to verify transmit performance of the X-band equipment they are producing for this contract. To perform equipment verification and production validation tests, GATR is seeking to procure bandwidth with commercial X-band provider XTAR on their XTAR-LANT satellite, as well as Astrium on either their Anik G1, Skynet 4F, or Skynet 5C satellites.
3. This activity is supported under Government Contract Number H92222-12-D-0016. The prime contractor is GATR Technologies (GATR). The duration of this contract is July 26, 2012 to July 25 2017. This access is required during the length of this contract.
4. GATR is requesting authority for clearance of up to 1.0 MHz in the X-band transmit band, 7900-8400 MHz. The exact frequencies are to be determined by XTAR/Astrium or as directed by AFSMO/FCC/NTIA. A service agreement between GATR and both XTAR and Astrium has already been made, and final procurement of bandwidth is pending transmit authority by all applicable governing agencies.
5. Upon procuring bandwidth with XTAR or Astrium, GATR will set up a small hub for an internal network at their production facility in Huntsville, Alabama. This network will allow GATR to perform the necessary functional testing to validate production processes and make further product refinements. Note that GATR will be testing with only one satellite at any given time.

SORDAC PEO-C4

SUBJECT: GATR Technologies Request for Testing in X-band

6. The government contact for this contract is Diane Davis, USSOCOM SORDAC-K. She may be reached by phone at 813-826-7061, or by email [diane.davis@socom.mil](mailto:diane.davis@socom.mil).

A handwritten signature in black ink, appearing to read "Eric Barnes". The signature is stylized and somewhat cursive.

Eric Barnes  
Program Manager  
SOFTACS