

FW: FCC File # 0556-EX-ST-2005 [Reference Number: 3891]From: Mitchell, John E1
[john.e1.mitchell@lmco.com]
Sent: Friday, September 16, 2005 3:51 PM
To: John Kennedy
Subject: FW: FCC File # 0556-EX-ST-2005 [Reference Number: 3891]

Ed Mitchell
Transmission Sub System IPT Lead
WIN-T Program
Lockheed Martin Integrated Systems & Solutions
700 N.Frederick Road
Gaithersburg, MD 20879
Office: 301-240-7282
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-----Original Message-----

From: Mitchell, John E1
Sent: Friday, September 16, 2005 10:27 AM
To: 'Generic Office of Engineering Technology'
Cc: Keuch, Carol; 'Kung, Richard'
Subject: RE: FCC File # 0556-EX-ST-2005 [Reference Number: 3891]

Mr Kennedy:

Responses to you questions follow. I appreciate your attention to this matter.

1. Please verify that the transmissions that will be made require mobile as well as fixed/base operations.

RESPONSE: The operations will be mobile/fixed operations. We did notice as we progressed through the online application process, that this field/button seems to default back to fixed/base everytime we reviewed the application. We must have missed this during the final check.

2. Please report the PEAK effective radiated power as opposed to the mean effective radiated power.

RESPONSE: The application was incorrect. The 20.4Kw is the PEAK ERP.

3. Please explain why an increase in power is needed.

RESPONSE: Lockheed Martin has changed out the equipment chain to a higher power configuration to test additional data rates as well as be assured of a reliable communications link during the planned testing. The original equipment is be off loaded to another equipment configuration for other testing. The new equipment chain includes the following (expands the data provided to the FCC in the original application)

- Titan Antenna
model number: DATD FSS-4180 (18 inch aperture)

- AN/USC-66-V2 modem (no change)
- Aethercom block upconverter and Power Amp model number:
SSPA137-145-30

- NewTec L band converter model
number: NTC-2142

- AnaCom secondary block up converter model
number: Elsat

This revised equipment configuration will now be used for the requested test period in addition to the original STA approved under file number STA 0473 -EX-ST-2005.

4. Please indicate any other changes besides the power that were made to this callsign, WC9XFU, of which we should be aware. If none, state "None".

RESPONSE: The primary change is the equipment chain listed above that now has the higher peak transmission power. Lockheed Martin is using this equipment for testing as defined in the application. The equipment configuration listed above is similar to the Experimental License approved by the FCC for The Titan Corporation, Call Sign: WD2XSJ File Numbers: 0104-EX-ML-2005 and 0081-EX-ML-2005.

I did receive you voice mail as well on this same subject.
Regards,

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-----Original Message-----
From: Generic Office of Engineering Technology
[mailto:oetech@fccsun27w.fcc.gov]
Sent: Friday, September 16, 2005 9:24 AM
To: Mitchell, John E1
Subject: FCC File # 0556-EX-ST-2005 [Reference Number: 3891]

Dear Mr. John Mitchell:

Please address all four items below:

1. Please verify that the transmissions that will be made require mobile as well as fixed/base operations.
2. Please report the PEAK effective radiated power as opposed to the mean effective radiated power.
3. Please explain why an increase in power is needed.
4. Please indicate any other changes besides the power that were made to this call sign, WC9XFU, of which we should be aware. If none, state "None".

jkennedy@fcc.gov

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of 09/16/2005 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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