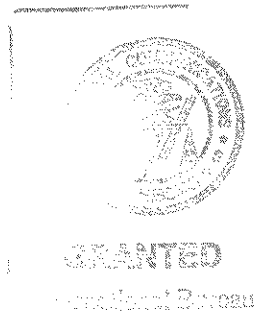


APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
STA Request (Extension)

1. Applicant

Name:	Panasonic Avionics Corporation	Phone Number:	949-672-2000
DBA Name:		Fax Number:	949-462-7103
Street:	26200 Enterprise Way	E-Mail:	loi.ninh@panasonic.aero
City:	Lake Forest	State:	CA
Country:	USA	Zipcode:	92630 -
Attention:	Mr Loi Ninh		



File # SES-STA-20071113-01565
Call Sign E070260 Grant Date 11/19/07
(or other identifier)
From 11/15/07 Term Expires 12/29/07
For 12/29/07
Approved by Jeanette D. Speris

2. Contact	
Name: Bill Wallace	Phone Number: 949-672-2000
Company: Panasonic Avionics Corporation	Fax Number: 949-462-7103
Street: 26200 Enterprise Way	E-Mail:
City: Lake Forest	State: CA
Country: USA	Zipcode: 92630 -
Attention: Bill Wallace	Relationship: Same
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESLIC2007111301559 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).	
<input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee	
<input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date 11/15/2007	
7. City Lake Forest	8. Latitude (dd mm ss.s h) 33 35 55.0 N

9. State CA	10. Longitude (dd mm ss.s h) 117 40 20.0 W
11. Please supply any need attachments. Attachment 1: A Attachment 2: B Attachment 3: C	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px;"> <p>The desired requirements and reason for use of this STA is described in Attachment 1. The antenna will operate in the standard KU-band, utilizing a US licensed satellite. The antenna meets the 2 degree requirements specific in the FCC rules and the maximum transmit power will be below the FCC limit of -14.0 dBW/4KHz for digital traffic. The</p> </div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; for these purposes. <input checked="" type="radio"/> Yes <input type="radio"/> No	
14. Name of Person Signing Brendan O'Donnell	15. Title of Person Signing Product Line Manager
WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to jboley@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

12. Description

The desired requirements and reason for use of this STA is described in Attachment 1. The antenna will operate in the standard KU-band, utilizing a US licensed satellite. The antenna meets the 2 degree requirements specific in the FCC rules and the maximum transmit power will be below the FCC limit of -14.0 dBW/4KHz for digital traffic. The permanent license application for this facility is in process. The permanent application for this system has been filed. This is an extension of the previous STA granted for this site. a 45 day time frame is requested.

Panasonic

Panasonic Avionics Corporation
26200 Enterprise Way
Lake Forest, CA 92630

88021-KKR-2007-0064
October 10, 2007

COMSEARCH
Attn: Gary Edwards
19700 Janelia Farm Blvd.
Ashburn, VA 20147

SUBJECT: STA Preparation and Filing Rationale

Dear Mr. Edwards:

Panasonic Avionics Corporation requests COMSEARCH to prepare and file an STA with the FCC prior to processing the permanent FCC License paperwork. The need for an expedited STA filing is based on Panasonic working to maintain broadband connectivity on an aircraft currently flying that previously was supported by Connection by Boeing (CBB), who discontinued service. Panasonic proposes to provide a KU Band Channel through IntelSat to these former CBB airline customers and will need this fixed channel by Friday, October 12th to support and complete development of the airlines' communication link. Please note, our customer currently has 94 Broadband enabled aircraft in service today without a link to utilize the service.

Please contact the undersigned should you have any questions.

Sincerely,

Signed Electronically

Krista K. Rubio
Panasonic Avionics Corporation
Procurement Manager
PH: 949-462-1022
Cell: 949-235-8843
Email: Krista.Rubio@panasonic.aero

FEDERAL COMMUNICATIONS COMMISSION
APPLICATION FOR SATELLITE SPACE AND EARTH STATION AUTHORIZATIONS
Technical and Operational Description)

(Place an "X" in one of the blocks below)

STA Request Registration of new Domestic Receive-Only Station Amendment to a Pending Application Modification of License/Registration Notification of Minor Modification

B1. Location of Earth Station Site.

B1a. Station Call Sign		B1b. Site identifier (HUB, REMOTE1, etc.)		B1c. Telephone Number (918)-669-4880		B1j. Geographic Coordinates N/S, Deg. - Min. - Sec. - E/W		B1k. Lat./Lon. Coordinates are:	
B1d. Mailing Street Address of Station or Area of Operation 26200 Enterprise Way				B1e. Name of Contact Person Bill Wallace				Lat. <u>33° 39' 55" N.</u>	
								Lon. <u>117° 40' 20" W</u>	
B1f. City Lake Forest		B1g. County Orange		B1h. State Ca	B1i. Zip Code 92630		B1l. Site Elevation (AMSL) 213.5		
								<input type="checkbox"/> NAD-27 <input checked="" type="checkbox"/> NAD-83	

B2. Points of Communications: List the names and orbit locations of all satellites with which this earth station will communicate. The entry "ALSAT" is sufficient to identify the names and locations of all satellite facilities licensed by the U.S. All non-U.S. licensed satellites must be listed individually.

Satellite Name and Orbit Location	Satellite Name and Orbit Location	Satellite Name and Orbit Location
G26 @ 93 deg.		

B3. Destination points for communications using non-U.S. licensed satellites. N/A

B4. Earth Station Antenna Facilities: Use additional pages as needed.

(a) Site ID*	(b) Antenna ID**	(c) Quantity	(d) Manufacturer	(e) Model	(f) Antenna Size (meters)	(g) Antenna Gain Transmit and/or Receive (dBi at GHz)
1	1.2M	1	Andrew	TYPE 123	1.2	43.3 @ 14250

B5. Antenna Heights and Maximum Power Limits: (The corresponding Antenna ID in tables B4 and B5 applies to the same antenna)

(a) Antenna ID**	(b) Antenna Structure Registration No.	Maximum Antenna Height		(c) Building Height Above Ground Level (meters)***	(f) Maximum Antenna Height Above Rooftop (meters)***	(g) Total Input Power at antenna flange (Watts)	(h) Total EIRP for all carriers (dBW)
		(c) Above Ground Level (meters)	(d) Above Mean Sea Level (meters)				
1.2M		12.5	226	10.7	1.8	4	49.3

B6. Frequency Coordination Limits: Use additional pages as needed. No Changes

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) Range of Satellite Arc Eastern Limit**	(d) Range of Satellite Arc Western Limit**	(e) Antenna Elevation Angle Eastern Limit	(f) Antenna Elevation Angle Western Limit	(g) Earth Station Azimuth Angle Eastern Limit	(h) Earth Station Azimuth Angle Western Limit	(i) Maximum EIRP Density toward the Horizon (dBW/4kHz)
1.2M	14000 – 14500	93°	93°	42.8°	42.8°	140.4°	140.4°	-25.8

B7. Particulars of Operation (Full particulars are required for each r.f. carrier): Use additional pages as needed. Add Digital Emissions

(a) Antenna ID*	(b) Frequency Limits (MHz)	(c) T/R Mode **	(d) Antenna Polarization (H,V,L,R)	(e) Emission Designator	(f) Maximum EIRP per Carrier (dBW)	(g) Maximum EIRP Density per Carrier (dBW/4kHz)	(h) Description of Modulation and Services
1	14000.00 – 14500.00	T	H,V	900KG7D	49.3	25.8	Digital Data, 400 kbps, .533 FEC, BPSK

B8. If the proposed antenna(s) operate in the Fixed Satellite Service (FSS) with geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a) and (b) as demonstrated by the manufacturer's qualification measurements? If NO, provide as an exhibit, a technical analysis showing compliance with two-degree spacing policy.	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
B9. If the proposed antenna(s) do not operate in the Fixed Satellite Service (FSS), or if they operate in the Fixed Satellite Service (FSS) with non-geostationary satellites, do(es) the proposed antenna(s) comply with the antenna gain patterns specified in Section 25.209(a2) and (b) as demonstrated by the manufacturer's qualification measurement?	<input type="checkbox"/> YES	N/A <input type="checkbox"/> NO
B10. Is the facility operated by remote control? If YES, provide the location and telephone number of the control point.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
Remote Control Point Location:		
B10a. Street Address		
B10b. City	B10c. County	B10.d. State/Country
B10e. Zip Code	B10f. Telephone Number	
B10g. Call Sign of Control Station (if appropriate)		
B11. Is frequency coordination required? If YES, attach a frequency coordination report as an exhibit.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
B12. Is coordination with another country required? If YES, attach the name of the country(ies) and plot of coordination contours as an exhibit.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
B13. FAA Notification - (See 47 CFR Part 17 and 47 CFR Part 25.113(c)) Where FAA notification is required, have you attached a copy of a completed FCC Form 854 and/or the FAA's study regarding the potential hazard of the structure to aviation? FAILURE TO COMPLY WITH 47 CFR PARTS 17 AND 25 WILL RESULT IN THE RETURN OF THIS APPLICATION	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO