Approved by OMB 3060-0678

Date & Time Filed: Oct 25 2013 6:39:36:140PM

File Number: SES-LIC-INTR2013-02251

Callsign/Satellite ID:

APPLICATION FOR EARTH STATION AUTHORIZATIONS

FCC Use Only

321-797-9234

FCC 312 MAIN FORM FOR OFFICIAL USE ONLY

APPLICANT INFORMATION

Enter a description of this application to identify it on the main menu:

QXR FCC Form 312 10-25-2013

1-8. Legal Name of Applicant

HARRIS CORPORATION Name:

Number:

Fax DBA 321-727-9125 Number: Name:

E-Mail: bfitch@harris.com Street: 1029 West Nasa Blvd.

State: FL. City: Melbourne

USA Zipcode: Country: 32919 -

Attention: Bruce Fitch

9-16. Name of Contact Representative

Company: Holland & Knight LLP

Phone 202-955-3000 George Y. Wheeler Name: Number: Fax Number: 202-955-5564

800 17th Street, NW E-Mail: george.wheeler@hklaw.com Street:

Suite 1100

State: DC City: Washington

USA Zipcode: Country: 20006-

Attention: George Y. Wheeler Relationship: Legal Counsel

CLASSIFICATION OF FILING

17. Choose the button next to the classification that applies to this filing for both questions a. and b. Choose only one for 17a and only one for 17b.

al. Earth Station

(N/A) a2. Space Station

b1. Application for License of New Station

O b2. Application for Registration of New Domestic Receive-Only Station

Phone

(N/A) b3. Amendment to a Pending Application (N/A) b4. Modification of License or Registration

(N/A) b5. Assignment of License or Registration

(N/A) b6. Transfer of Control of License or Registration

(N/A) b7. Notification of Minor Modification

(N/A) b8. Application for License of New Receive-Only Station Using Non-U.S. Licensed

(N/A) b9. Letter of Intent to Use Non-U.S. Licensed Satellite to Provide Service in the United States

b10. Other (Please specify)

b11. Application for Earth Station to Access a Non-U.S.satellite Not Currently Authorized to Provide the Proposed Service in the Proposed Frequencies in the United States.

10/25/2013 6:55 PM

17c. Is a fee submitted with this applica			
 If Yes, complete and attach FCC Fo 	rm 159.		
If No, indicate reason for fee exemption			
O Governmental Entity O Noncomm	ercial educational licensee		
Other(please explain):			
17d.			
Fee Classification BAX - Fixed	Satellite Transmit/Receiv	e Earth Stati	on
18. If this filing is in reference to an	19. If this filing is an amend	ment to a pendi	ng application enter:
existing station, enter:	(a) Date pending application	was filed:	(b) File number of pending application:
(a) Call sign of station: Not Applicable	Not Applicable		Not Applicable
Tot Applicable	TYPE OF S	ERVICE.	11
20 NATURE OF SERVICE: This filing			ollowing type(s) of service(s): Select all that apply:
20. NATURE OF SERVICE. This mini	5 15 for all addition backets to provi	ide of the me to	and of the control of
a. Fixed Satellite			
b. Mobile Satellite			
c. Radiodetermination Satellite			
d. Earth Exploration Satellite			
e. Direct to Home Fixed Satellite			
f. Digital Audio Radio Service			
g. Other (please specify)			
21. STATUS: Choose the button next to	the applicable status.	2. If earth statio	n applicant, check all that apply.
Choose only one.			censed satellites
O Common Carrier Non-Common			.S. licensed satellites
23. If applicant is providing INTERNATA Are these facilities:	TIONAL COMMON CARRIER	R service, see in	structions regarding Sec. 214 filings. Choose one.
O Connected to a Public Switched Ne	twork O Not connected to a Pu	ublic Switched	Network ● N/A
24. FREQUENCY BAND(S): Place an	"X" in the box(es) next to all a	pplicable freque	ency band(s).
a. C-Band (4/6 GHz) Db. Ku-Bar	nd (12/14 GHz)		
C.Other (Please specify upper and le	ower frequencies in MHz.)		
Frequency Lower: Frequency Upper:			
	TYPE OF S		
25. CLASS OF STATION: Choose the	button next to the class of static	on that applies.	Choose only one.
a. Fixed Earth Station			
o b. Temporary-Fixed Earth Station			
O c. 12/14 GHz VSAT Network			
O d. Mobile Earth Station			
(N/A) e. Geostationary Space Station	4:		
(N/A) f. Non-Geostationary Space Sta O g. Other (please specify)	tion		
26. TYPE OF EARTH STATION FAC Transmit/Receive Transmit-On	ILITY: Choose only one. ly O Receive-Only O N/A		
	PURPOSE OF MO	ODIFICATION	ON
27. The purpose of this proposed mod	ification is to: (Place an 'X' in th	ne box(es) next	to all that apply.)
Not Applicable			
	ENVIRONMEN	TAL POLIC	Y
28. Would a Commission grant of any			

environmental impact as defined by 47 CFR 1.1307? If YES, submit the statement as required by Sections 1.1308 and 1.1311 of the Commission's rules, 47 C.F.R. §§ 1.1308 and 1.1311, as an exhibit to this application. A Radiation Hazard Study must accompany all applications for new transmitting facilities, major modifications, or major amendments.

Radiation Hazard

ALIEN OWNERSHIP Earth station applicants not proposing to provide broadcast, common carrier, aeronautical en route or aeronautical fixed radio station services are not required to respond to Items 30-34.

en route of aeronautical fixed fauto station services are not required to respond	o rems so s
29. Is the applicant a foreign government or the representative of any foreign government?	O Yes O No
30. Is the applicant an alien or the representative of an alien?	O Yes O No O N/A
31. Is the applicant a corporation organized under the laws of any foreign government?	O Yes O No O N/A
32. Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	○ Yes ● No ○ N/A
33. Is the applicant a corporation directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country?	O Yes @ No O N/A
34. If any answer to questions 29, 30, 31, 32 and/or 33 is Yes, attach as an exhibit an identification of the aliens or foreign entities, their nationality, their relationship to the applicant, and the percentage of stock they own or vote.	
BASIC QUALIFICATIONS	
35. Does the Applicant request any waivers or exemptions from any of the Commission's Rules? If Yes, attach as an exhibit, copies of the requests for waivers or exceptions with supporting documents.	O Yes No
36. Has the applicant or any party to this application or amendment had any FCC station authorization or license revoked or had any application for an initial, modification or renewal of FCC station authorization, license, or construction permit denied by the Commission? If Yes, attach as an exhibit, an explination of circumstances.	O Yes ● No
37. Has the applicant, or any party to this application or amendment, or any party directly or indirectly controlling the applicant ever been convicted of a felony by any state or federal court? If Yes, attach as an exhibit, an explination of circumstances.	O Yes O No
38. Has any court finally adjudged the applicant, or any person directly or indirectly controlling the applicant, guilty of unlawfully monopolizing or attempting unlawfully to monopolize radio communication, directly or indirectly, through control of manufacture or sale of radio apparatus, exclusive traffic arrangement or any other means or unfair methods of competition? If Yes, attach as an exhibit, an explanation of circumstances	O Yes No
29. To the applicating or any person live of a rindicately restrictly generally applicant, convendy a party in any	O Vac S No
pending matter referred to in the preceding two items? If yes, attach as an exhinit, an explanation of the circumstances.	Ves Vo
40. If the applicant is a corporation and is applying for a space station license, attach as an exhibit the names, address, and citizenship of those stockholders owning a record and/or voting 10 percent or more of the Filer's voting stock and the percentages so held. In the case of fiduciary control, indicate the beneficiary(ies) or class of beneficiaries. Also list the names and addresses of the officers and directors of the Filer.	
41. 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.	● Yes ○ No

WILLFUL FALSE STATEMEN		M ARE PUNISHABLE BY FIN OCATION OF ANY STATION	
Attachment 1: Graphs	Attachment 2:	Attachn	
47. Please supply any need attachme	ents.		
45. Name of Person Signing Jim Sheppard		46. Title of Person Signing Program Manager	
O Individual O Unincorporated Association O Partnership O Corporation O Governmental Entity O Other (please specify)			
The Applicant waives any claim to the power of the United States because of accordance with this application. The the spectrum aggregation limit in 47 as if set out in full in this application this application and in all attached exagood faith. 44. Applicant is a (an): (Choose the left)	of the previous use of the same applicant certifies that gran CFR Part 20. All statements. The undersigned, individua chibits are true, complete and	e, whether by license or otherwise of this application would not cause made in exhibits are a material partly and for the applicant, hereby cocorrect to the best of his or her kn	, and requests an authorization in se the applicant to be in violation of rt hereof and are incorporated herein prtifies that all statements made in
		FICATION	
By selecting C, the undersigned cert coverage requirements specified in 4 is not feasible as a technical matter t so many compromises in satellite de narrative description and technical a	47 C.F.R. Part 25 and will not to do so, or that, while techni- sign and operation as to mak	comply with such requirements be ally feasible, such services would e it economically unreasonable. A	ecause it O
geographic coverage requirements sp By selecting B, the undersigned cert coverage requirements specified in 4	ifies that the applicant is sub	ect to the geographic service or go apply with such requirements.	eographic O B
43a. Geographic Service Rule Certif By selecting A, the undersigned cert	ifies that the applicant is not	subject to the geographic service of	or ® A
43. Description. (Summarize the natural authority to construct and open project for the Federal Aviation	rate a 2.4 meter C Band	earth station to be used in c	
42b. What administration has license administration has coordinated or is			se will be issued, what
Yes, answer 42b and attach an exhibatory appropriate. If No, proceed to question	it providing the information	pecified in 47 C.F.R. 25.137, as	tates? If O Yes O No

SATELLITE EARTH STATION AUTHORIZATIONS FCC Form 312 - Schedule B:(Technical and Operational Description)

FOR OFFICIAL USE ONLY

Location of Earth Stati	on Site				
E1: Site Identifier:	1- QXR	E5. Call Sign:	NEW		
E2: Contact Name	Bruce Fitch	E6. Phone Number:	321-30	9-5517	
E3. Street:	3441 Buck Mountain Road	E7. City:	Dover		
		E8. County:	Pope		
E4. State	AR	E9. Zip Code	72837		
E10. Area of Operatio	n:	United States			
E11. Latitude:	35 ° 24 ' 9.1 " N				
E12. Longitude:	92 ° 59 ' 39.7 " W				
E13. Lat/Lon Coordin	ates are:	O _{NAD-27}	NAI	0-83	O _{N/A}
E14. Site Elevation (A	MSL):	337.6 meters			
as demonstrated by the technical analysis show E16. If the proposed at Fixed Satellite Service the antenna gain patter	tenna(s) comply with the antenna gain patter e manufacturer's qualification measurement? wing compliance with two-degree spacing pontenna(s) do not operate in the Fixed Satellite (FSS) with non-geostationary satellites, do ms specified in Section 25.209(a2) and (b) as	If NO, provide as Non Complicy. e Service (FSS), or if they opens) the proposed antenna(s) or	p Stmnt a erate in the comply with	o _{Yes} o	No N/A No N/A
qualification measurent E17. Is the facility ope control point.	erated by remote control? If YES, provide the	e location and telephone numb	per of the	o Yes	● No
E18. Is frequency as	coordination required? If YES, attac	ch a frequency coordinat	ion report	• Yes	o No
	on with another country required? If lot of coordination contours as	YES, attach the name o	f the	o Yes	● No
E20. FAA Notific FAA notification 854 and or the FA aviation? FAILURE TO CO	ation - (See 47 CFR Part 17 and 4 is required, have you attached a c AA's study regarding the potential OMPLY WITH 47 CFR PARTS 1'OF THIS APPLICATION.	opy of a completed FC hazard of the structur	C Form e to	• Yes	o _{No}
POINTS OF COMM	UNICATION			A	
Satellite Name:AI following:	LSAT ALL AUTHORIZED U.S. A	ALSAT If you selected (OTHER, pl	ease enter	the
E21. Common Na	me:	E22. ITU Nam	ie:		111111111111111111111111111111111111111
E23. Orbit Location	on:	E24. Country:			
	UNICATION (Destination Points)		A TOTAL PROPERTY OF THE PARTY O	No. Please and a little of the second	of the state of th
E25. Site Identifie	r:				

		mon Nan	ie:					E	27. Co	unt	ry:		
Site ID		E28. tenna Id	100	29. antity	Mar	E30. nufacturer	E31. Model	E32. Antenn Size			1/42. Antenna GainTransmi and/or Recieve(dBi at GHz)		
1- QXR	1		1		Prode	elin	1244	2.4	38.	0 d	Bi at 4.0		
VAK							1		42.	0 d	Bi at 6.1	75	
E28 Anter Id	nna	E33/3 Minor/		iamete or(mete	rs)	E35. Above Ground Level (meters)	E36. Above Sea Level (meters)	Ground	Po a a	Inp owe	rat nna Ho ge	E39. Maximum Antenna eight Above Rooftop (meters)	E40. Tota EIRP for al carriers (dBW)
1		2.4/2.4			5	5.4	343.1	0.0	0.3	7	5.4	1	37.7
FREQU E28 Anter Id	3. nna	E43/4 Freque Bands(N	ncy	E45. T/R Mode	Pol	E46. Ante		E47. Emission Designato	E	IR	aximum P per r(dBW)	E49. Maxir Densi Carrier(dl	ty per
1	-	3700 420		R		izontal and	Vertical	166KG7W			()	0.0	,
E50. N	Mod	ulation as	nd Se	rvices I	Digita	l Data							
1		5925 642	25	T	Hor	izontal and	Vertical	166KG7W	37.7			21.5	
E50. N	Mod	ulation a	nd Se	rvices I	Digita	l Data							
FREQU	JENO	CY COOR	DINA	TION		- 0,	,,				one conse		
E28 Anten Id	ına	E51. Satelli Orbit T	te	E52 Frequ Limits	iency		E56. Earth Station Azimuth Angle Eastern Limit	E57. Antenna Elevation Angle Eastern Limit	E58 Eart Station Azimu Ang Weste	ch on uth le ern	E59. Antenn Elevatio Angle Wester Limit	on EIRP towa n Horizon(laximum Density ard the 1BW/4kH2
1		Geostatio	nary	3700 4	200	74.0/ 139.0	149.28	44.21	240.78	3	26.74	0.0	
		Geostatio	nary	5925 6	425	74.0/ 139.0	149.28	44.21	240.78	3	26.74	15.0	
E61. Ca	TE Call Si		POIN callsi	NT LOCA	ATION	4	not the calls	ign for which	this		E65. Phone	e Number	
E62. St	reet A	Address											
E63. Ci	ity						E67. County	1			E64/ State	68. e/Country	E66. Zip Code



U.S. Department of Transportation

800 Independence Ave., S.W. Washington, D.C. 20591

Federal Aviation Administration

ASU330-FTI-06-6219 18 January 2006

Harris Corporation Attn: Elizabeth Briscoe Mail Stop F- 11A 1025 West NASA Boulevard Melbourne, FL 32919

Subject: FAA Concurrence for Harris C-Band and Ku-Band License Submissions

Dear Ms. Briscoe:

This letter serves to affirm that Harris Corporation, the FAA Telecommunications Infrastructure contractor, requires C-Band and Ku-Band Satellite Frequency Licenses to meet the FAA's data and voice service requirements from remote locations. FAA Satellite communications are essential to the air traffic control and safety of flight within the National Airspace System (NAS). These licenses will also be used in response to emergency operations such as disaster recovery. Granting these licenses is considered in the best interest of the flying public.

If you have any questions regarding matter, please call me at 202.493.5963.

Sincerely,

//s//

Susan Eicher FTI Contracting Officer

ANALYSIS OF NON-IONIZING RADIATION for HARRIS CORPORATION

Site: Russelville State: AR

Latitude: 35 24 9.1 Longitude: 92 59 39.7 (NAD83) 10-22-2013

The Office of Science and Technology Bulletin, No. 65, October 1985 and revised August 1997, specifies that the maximum level of non-ionizing radiation that a person may be exposed to over a six minute period is an average power density equal to 5 mW/cm**2 (five milliwatts per centimeter squared) for a controlled environment. For an uncontrolled environment, the maximum level of non-ionizing radiation that a person may be exposed to over a thirty minute period is an average power density equal to 1 mW/cm**2 (one milliwatt per centimeter squared). It is the purpose of this report to determine the maximum power flux densities of the earth station in the far zone, near zone, transition zone, at the main reflector surface, and between the antenna edge and the ground.

Parameters which were used in the calculations:

Antenna Diameter, (D) = 2.4000 m

Antenna Surface Area (Sa) = $pi(D^{**2})/4$ = 4.5239 m**2

Wavelength at 6.1750 GHz (lambda) = 0.0485 m

Transmit Power at Flange (P) = 0.3700 Watts

Antenna Gain at Earth Site (GES) = 42.0000 dBi = 15848.9319Power Ratio:

AntiLog(GES/10)

pi = 3.1415927

Antenna Aperture Efficiency (n) = 0.6000

1. FAR ZONE CALCULATIONS

2. NEAR ZONE CALCULATIONS

Power Flux Density is considered to be at a maximum value throughout the entire length of this Zone. The Zone is contained within a cylindrical volume which has the same diameter as the antenna. Beyond the Near Zone, the Power Flux Density will decrease with distance from the Antenna.

Distance to the Near Zone (Dn) =
$$D^{**2}$$
 = 29.6907 m $4*lambda$

Near Zone Power Density (Rn) =
$$16.0(n)P$$
 = 0.1963 W/m**2 pi(D**2)

= 0.0196 mW/cm**2

3. TRANSITION ZONE CALCULATIONS

The Power Density begins to decrease with distance in the Transition Zone. While the Power Density decreases inversely with distance in the Transition Zone, the Power Density decreases inversely with the square of the distance in the Far Zone. Since the maximum Power Density in the Transition Zone will not exceed the Near Zone values, it is not calculated.

4. MAIN REFLECTOR ZONE

Main Reflector Power Density = 2(P) = 0.1636 W/m**2

----Sa

= 0.0164 mW/cm**2

5. ZONE BETWEEN THE MAIN REFLECTOR AND THE GROUND

Applying uniform illumination of the Main Reflector Surface:

Main to Ground Power Density = P = 0.0818 W/m**2

----Sa

= 0.0082 mW/cm**2

CALCULATED SAFETY MARGINS SUMMARY AND EVALUATION

Controlled Safety Margin = 5.0 - Calculated Zone Value (mW/cm**2)

	Zones	Safety Margins (mW/cm**2)	Conclusions
1.	Far Zone	4.9908	Complies with ANSI
2.	Near Zone	4.9804	Complies with ANSI
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI
4.	Main Reflector Surface	4.9836	Complies with ANSI
5.	Main Reflector to Ground	4.9918	Complies with ANSI

Uncontrolled Safety Margin = 1.0 - Calculated Zone Value (mW/cm**2)

	Zones	Safety Margins (mW/cm**2)	Conclusions	
1.	Far Zone	0.9908	Complies with ANSI	
2.	Near Zone	0.9804	Complies with ANSI	
3.	Transition Zone	Rf < Rt < Rn	Complies with ANSI	
4.	Main Reflector Surface	0.9836	Complies with ANSI	
5.	Main Reflector to Ground	0.9918	Complies with ANSI	

6. EVALUATION ========

- A. Controlled Environment
- B. Uncontrolled Environment All Zones comply with ANSI Standards.

Micronet Communications, Inc.

720 F Avenue, Suite 100 Plano, Texas 75074 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1324603 5.93 GHz

Licensee: HARRIS CORPORATION Page 1

Pursuant to Parts 25.203 and 101.103(d) of the FCC Rules and Regulations, a frequency coordination study was conducted by Micronet Communications, Inc. for the following proposed earth station:

Russelville, AR

The results of the study indicate that no unacceptable interference will result with existing, proposed or prior coordinated radio facilities.

Coordination was performed with existing, proposed and prior coordinated carriers within coordination range on the following dates:

09/18/2013 Original PCN (Expedited response requested by 10/02/2013)

There were no unresolved interference objections.

The attached coordination data was forwarded on the latest date to the following parties within coordination range or their authorized coordination agents:

ALLTEL COMMUNICATIONS LLC ARISTOTLE.NET INC. ARKANSAS STATE OF ARKANSAS STATE OF STATE POLICE ARKANSAS VALLEY ELECTRIC COOP CORP COMSEARCH INC CONTERRA ULTRA BROADBAND LLC COXCOM INC ENTERGY SERVICES INC KN TELECOMMUNICATIONS INC LITTLE ROCK CITY OF METROPOLITAN AREA NETWORKS INC MICRONET COMMUNICATIONS INC NEW CINGULAR WIRELESS PCS LLC NEW CINGULAR WIRELESS PCS LLC - AR NORTHWEST ARKANSAS RSA LIMITED PARTNERSHIP RADIO DYNAMICS SHERWOOD CITY OF SOUTHWESTERN BELL TELEPHONE COMPANY SOUTHWESTERN BELL TELEPHONE L P

ALLTEL COMMUNICATIONS INC

VERIZON WIRELESS (VAW) (AR) VERIZON WIRELESS (VAW) LLC

Micronet Communications, Inc.

720 F Avenue, Suite 100 Plano, Texas 75074 972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1324603 5.93 GHz

Licensee: HARRIS CORPORATION Page 2

Respectfully Submitted,

ereny B. Lewis

Jeremy Lewis Systems Engineer

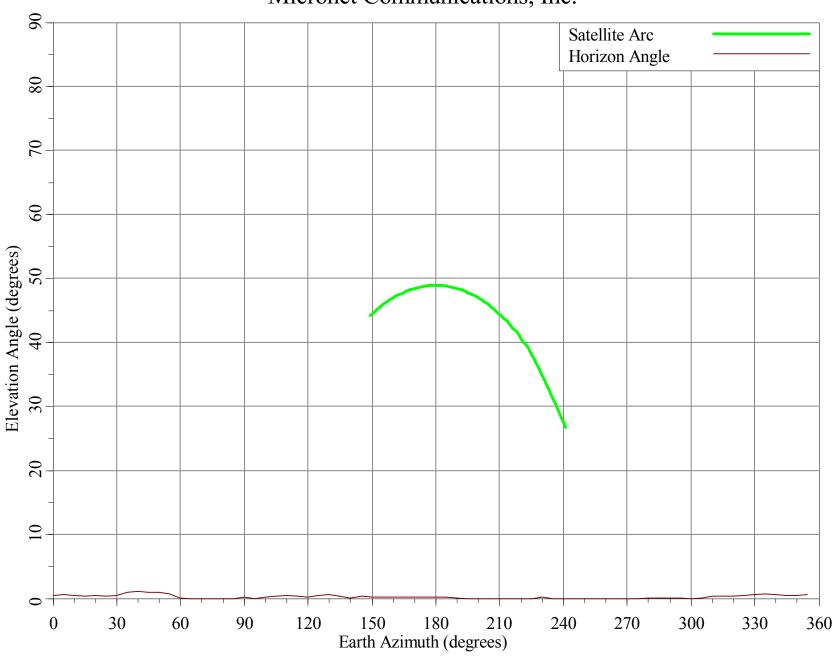
Attached: 1 data sheet

Micronet Communications, Inc. 720 F Avenue, Suite 100 Plano, Texas 75074 972-422-7200

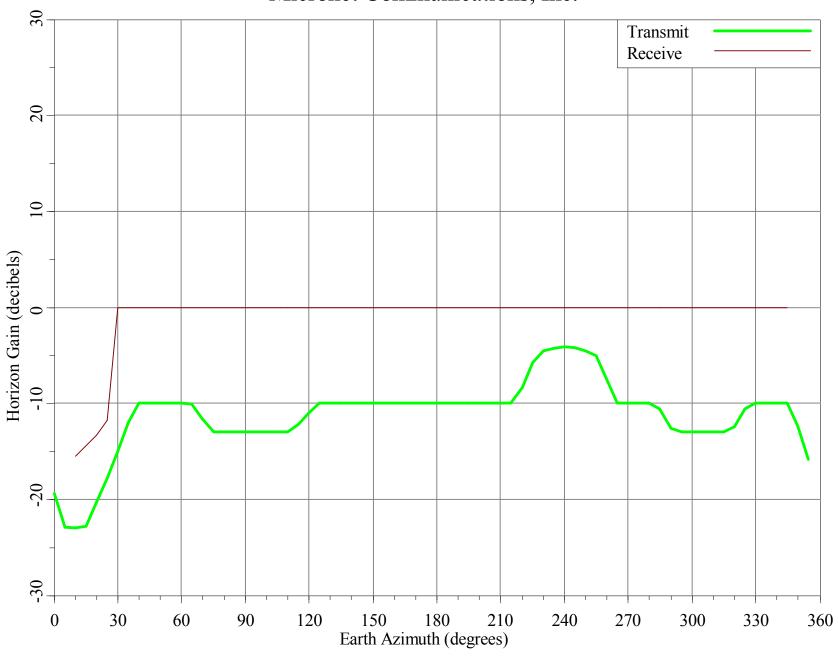
File: M1324603

	========	=========	=======================================
TECHNICAL CHARACTERISTI			
	========	========	
Company:	ARRIS CORPO	RATION	
	usselville,	AR	
Call Sign:			
Latitude	(NAD83)		
Longitude		92 59	
Elevation AMSL		1107.70	337.63
Receive Frequency Range	(MHz)	3700-4200 5925-6425	
Transmit Frequency Range Range of Satellite Orbital Long.	(MHz)	74.00	120 00
Range of Azimuths from North	(deg w)	149.28	240 78
		10.00	
Antenna Elevation Angles			
intellina Brevaeren inigree	(acg)	11.21	20.71
Equipment Parameters		Receive	Transmıt
Antenna Gain, Main Beam	(dbI)	38.00	42.00
	(deg)	1.50	1.00
Antennas Receive: PRODELIN	,		
Transmit: PRODELIN	1244 (2.4M))	
Max Transmitter Power	(dbW/4KHz)		-20.50
Max EIRP Main Beam	(dbW/4KHz) (dbW/4KHz)		21.50
Modulation / Emission Designator			
Coordination Parameters		Receive	Transmit
Max Greater Circle Distances			
Max Rain Scatter Distances	(km)	508.78	
Max Interference Power Long Term	(dbW)	-140.60	-154.00
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		1	A

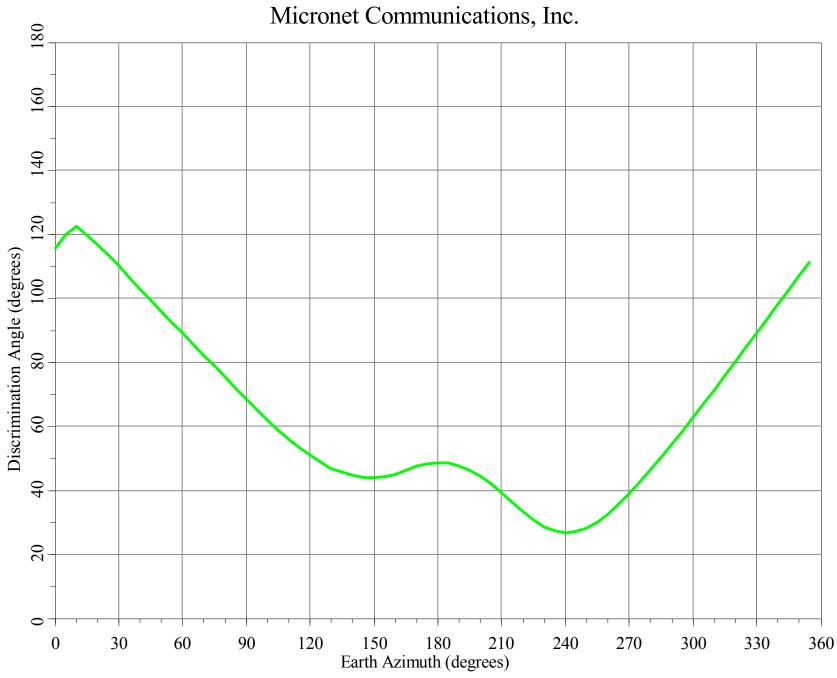
Horizon Angle & Satellite Arc for Russelville, AR Micronet Communications, Inc.



Horizon Gain for Russelville, AR Micronet Communications, Inc.

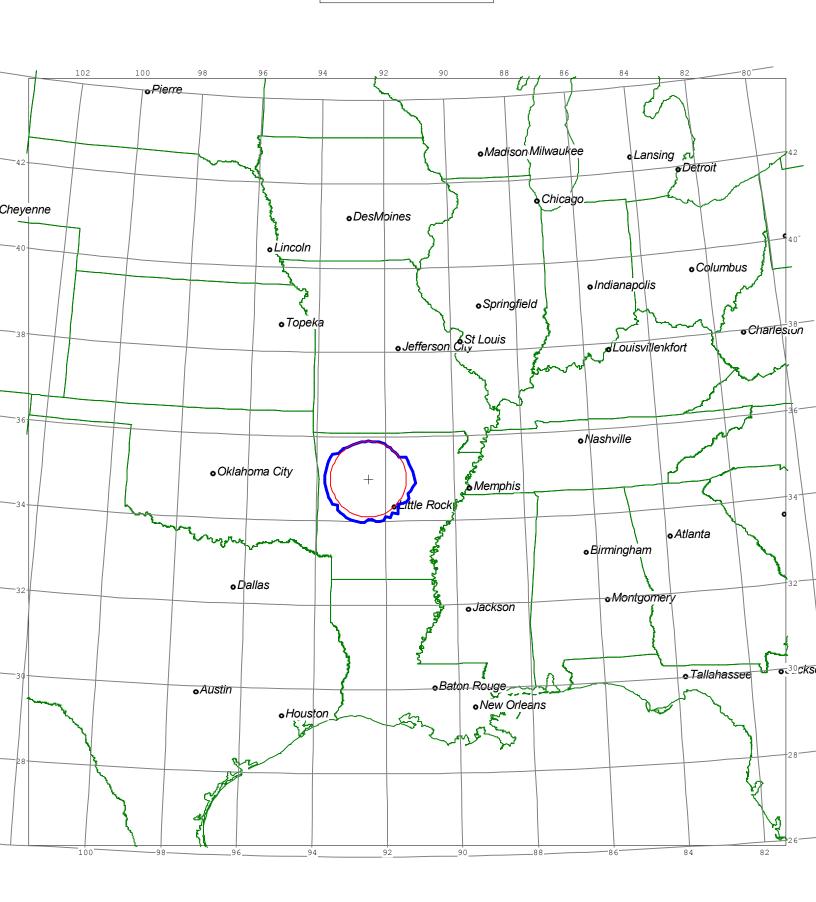


Minimum Discrimination Angles for Russelville, AR Micronet Communications, Inc.



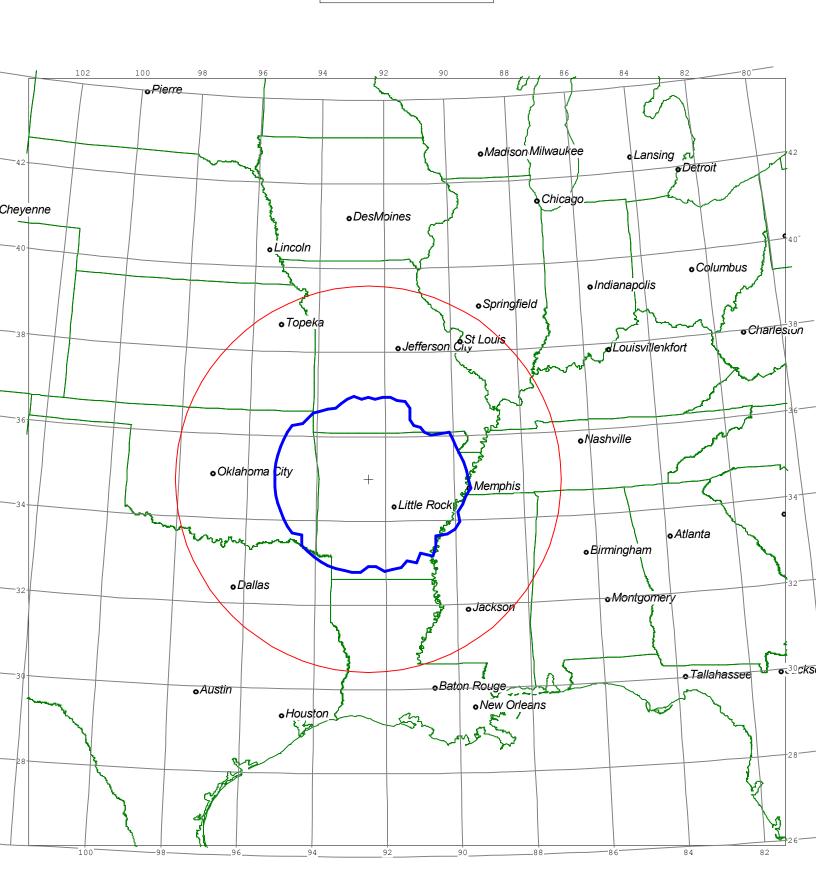
Final Contour & Rain Scatter for Russelville, AR - Transmit

Final Contour Rain Scatter



Final Contour & Rain Scatter for Russelville, AR - Receive SCALE - 1:100000000 1 inch = 157.8 miles

LE - 1:10000000 1 inch = 157.8 mi Final Contour Rain Scatter



HARRIS CORPORATION FCC FORM 312 OCTOBER 2013

Non-Compliant Antenna Statement

Re: 2.4 Meter Fixed Earth Station

Fixed Satellite Service

C-Band: 3700 – 4200 MHz and 5925.0 – 6425.0 MHz

Harris Corporation ("Harris" or "Applicant") proposes to use a Prodelin 1244, 2.4 meter antenna for its proposed earth station located in Russelville, AR at the coordinates of 35-24-09.1 N, 092-59-39.7 W. The Prodelin 1244 does not strictly comply with 25.209 of the FCC Rules and Regulations.

Pursuant to the *Part 25 Earth Station Fifth Report and Order*, the International Bureau (Bureau) provides a List of Approved Non-Routine Earth Station Antennas. Specifically the website http://www.fcc.gov/ib/sd/nresa lists non-routine earth station antennas licensed for use by one or more U.S. earth station operators since March 15, 2005.

"The Commission has ruled that an Earth station applicant proposing to use an antenna on this list may no longer be required to attach antenna radiation plots as an exhibit to their applications, as required by Section 25.132 (b)(3) of the Commission's rules, 47 C.F.R. § 25.132 (b)(3). Rather, they need only to provide an attachment to their applications citing the particular non-routine earth station antenna they plan to use, and an application file number and call sign of a license in which that type of non-routine antenna has been previously approved."

Accordingly, Harris submits the application file number and call sign, <u>File No. SES-LIC-20060302-00342</u> (<u>Call Sign: E060075</u>), of a previously licensed Prodelin 1244, 2.4 meter earth station, which indicates that the 2.4 meter antenna proposed in this application will operate without conflict.

The applicant agrees to accept any adjacent satellite interference in the 4 GHz receive band as a result of the performance of the antenna in the 1° to 1.5° region. The applicant understands that no adjacent satellite interference protection will be available in the 1° to 1.5° regions. The applicant understands that adjacent satellite interference protection applies only to the extent of the criteria set forth in §25.209. Should the use of this antenna cause interference to other systems; the applicant agrees to terminate transmission upon notice from the Commission.

HARRIS CORPORATION FCC FORM 312 NEW EARTH STATION QEVQDGT 2013

FAA NOTIFICATION NOT REQUIRED

FAA notification is not required pursuant to 47 C.F.R. § 17.7(a), because the antenna is less than 6.1 meters in height above ground level.

FCC IBFS - Electronic Filing Submission_id :IB2013002251 Successfully filed on :Oct 25 2013 6:39:36:140PM

Return to Main Menu



Step 3: Confirm Payment

1 | 2 | 3

Thank you.

Your transaction has been successfully completed.

Pay.gov Tracking Information

Application Name: Remittance Advice

Pay.gov Tracking ID: 25CTAETE Agency Tracking ID: PGC2406021

Transaction Date and Time: 10/25/2013 19:01 EDT

Payment Summary

Address Information

Account Information Card Type: American Express

Card Number: *********1009

Account Holder HOLLAND & KNIGHT

Name: LLP Billing 800 17TH STREET,

Address: STE. 1100

Billing Address

City: WASHINGTON

State / DC Province:

Zip / Postal Code: 20006-3906

Country: USA

Payment Information

Payment Amount: \$2,615.00

Transaction Date 10/25/2013 19:01

and Time: EDT



Payment Confirmation

Your transaction has been approved. For your records, please note the following:

AGENCY TRACKING ID: AUTHORIZATION NUMBER : PGC2406021 267398 \$2,615.00

AMOUNT PAID:

PRINT FORM 159

CLOSE

Customer Service

FCC Fees

Web Policies / Privacy

FCC Home Page

10/25/2013 7:01 PM

If you have any questions or concerns please contact your licensing system help desk.

Agency Tracking ID:PGC2406021 Authorization Number:267398 Successful Authorization -- Date Paid: 10/25/13 FILE COPY ONLY!!

		IONS COMMISSION		APPROVED BY OMI
CAREFULLY BEFORE PROCEEDING	REMITTANC	E ADVICE	SPECIAL USE	
PROCEEDING	FORM	159	SFEC	IAL OSE
(1) LOCKBOX #979093	PAGE NO 1	OF 1	FCC	USE ONLY
	SECTION A	- Payer Information		
(2) PAYER NAME (if paying by cre	dit card, enter name exactly as it appears of	on your card)	(3) TOTAL	AMOUNT PAID (dollars and cents)
HOLLAND & KNIGHT I	LLP		\$2615.00	
(4) STREET ADDRESS LINE NO. 800 17TH STREET, STE.				
(5) STREET ADDRESS LINE NO.				
TELECOM-C. NAFTALI				
(6) CITY		(7) S	TATE	(8) ZIP CODE
WASHINGTON		DC		20006-3906
(9) DAYTIME TELEPHONE NUM	BER (INCLUDING AREA CODE)	(10) COUNTRY	CODE (IF NOT	IN U.S.A.)
202-9553000 x7040		US		
FCC RE	GISTRATION NUMBER (FRN) AND T	TAX IDENTIFICATION NUM	IBER (TIN) RI	EQUIRED
(11) PAYER (FRN)		(12) FCC USE ONLY		
0004148995				
	ER NAME AND THE APPLICANT N. F MORE THAN ONE APPLICANT, US			
NAME OF TAXABLE PARTY OF TAXABLE PARTY OF TAXABLE PARTY.	F MORE THAN ONE AFFEICANT, D.	SE CONTINUATION SHEET	S (FORM 159-	(L)
(13) APPLICANT NAME		SE CONTINUATION SHEET	S (FORM 159-	()
(13) APPLICANT NAME HARRIS CORPORATIO	N	SE CONTINUATION SHEET	S (FORM 159-	C)
(13) APPLICANT NAME	N	SE CONTINUATION SHEET	S (FURM 159-	C)
(13) APPLICANT NAME HARRIS CORPORATIO (14) STREET ADDRESS LINE NO	N). 1	SE CONTINUATION SHEET	5 (FURM 159-	()
(13) APPLICANT NAME HARRIS CORPORATIO! (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO	N). 1	(17) S		(18) ZIP CODE
(13) APPLICANT NAME HARRIS CORPORATIO (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd.	N). 1			
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne	N). 1	(17) S	TATE	(18) ZIP CODE 32919-
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUM 321-797-9234	N 0. 1 0. 2	(17) S FL (20) COUNTRY US	TATE CODE (IF NO	(18) ZIP CODE 32919- F IN U.S.A.)
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUM 321-797-9234	N 0. 1 0. 2 MBER (INCLUDING AREA CODE)	(17) S FL (20) COUNTRY US	TATE CODE (IF NO	(18) ZIP CODE 32919- F IN U.S.A.)
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUM 321-797-9234 FCC RE (21) APPLICANT (FRN) 0003791472	N D. 1 D. 2 MBER (INCLUDING AREA CODE) GISTRATION NUMBER (FRN) AND T	(17) S FL (20) COUNTRY US TAX IDENTIFICATION NUM (22) FCC USE ONLY	TATE CODE (IF NO IBER (TIN) R	(18) ZIP CODE 32919- F IN U.S.A.) EQUIRED
(13) APPLICANT NAME HARRIS CORPORATIO! (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUI 321-797-9234 FCC RE (21) APPLICANT (FRN) 0003791472	N 0. 1 0. 2 MBER (INCLUDING AREA CODE)	(17) S FL (20) COUNTRY US TAX IDENTIFICATION NUM (22) FCC USE ONLY TORE BOXES ARE NEEDED	TATE CODE (IF NOT IBER (TIN) R	(18) ZIP CODE 32919- I IN U.S.A.) EQUIRED
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUM 321-797-9234 FCC RE (21) APPLICANT (FRN) 0003791472	N D. 1 D. 2 MBER (INCLUDING AREA CODE) GISTRATION NUMBER (FRN) AND T	(17) S FL (20) COUNTRY US TAX IDENTIFICATION NUM (22) FCC USE ONLY	TATE CODE (IF NOT IBER (TIN) R , USE CONTINE	(18) ZIP CODE 32919- F IN U.S.A.) EQUIRED
(13) APPLICANT NAME HARRIS CORPORATION (14) STREET ADDRESS LINE NO 1029 West Nasa Blvd. (15) STREET ADDRESS LINE NO (16) CITY Melbourne (19) DAYTIME TELEPHONE NUM 321-797-9234 FCC RE (21) APPLICANT (FRN) 0003791472 COMPLETE SE (23A) FCC Call Sign/Other ID (26A) Fee Due for (PTC)	N D. 1 D. 2 MBER (INCLUDING AREA CODE) GISTRATION NUMBER (FRN) AND T	(17) S FL (20) COUNTRY US TAX IDENTIFICATION NUM (22) FCC USE ONLY TORE BOXES ARE NEEDED (24A) Payment Type Code(1	TATE CODE (IF NO' IBER (TIN) RI , USE CONTIL PTC) X	(18) ZIP CODE 32919- I IN U.S.A.) EQUIRED NUATION SHEET (25A) Quantity

(23B) FCC Call Sign/Other ID	(24B) Payment Type Code(PTC)	(25B) Quantity
(26B) Fee Due for (PTC)	(27B) Total Fee	FCC Use Only
(28B) FCC CODE 1	(29B) FCC CODE 2	