E960499 SES-STA-20111224-01507 IB2011005261
Harris CapRock Communications, Inc.

Approved by OMB
3060−0678

STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATIONEnter a description of this application to identify it on the main menu:
Request for STA to operate Andrew 3.7m while permanent applicaiton is under review

1. Applicant

Name:	Harris CapRock Communications, Inc.	**Phone Number:**	832−668−2751
DBA Name:		**Fax Number:**	832−668−2780
Street:	4400 S. Sam Houston Parkway Ea	**E−Mail:**	esands@harris.com
City:	Houston	**State:**	TX
Country:	USA	**Zipcode:**	77048 −
Attention:	Ms EllenAnn Sands		

SES-STA-20111224-01507
E960499 Grant Date 1-6-12
Call Sign
(or other identifier)
Term Dates
From 1-7-12 To 3-7-12
Appr

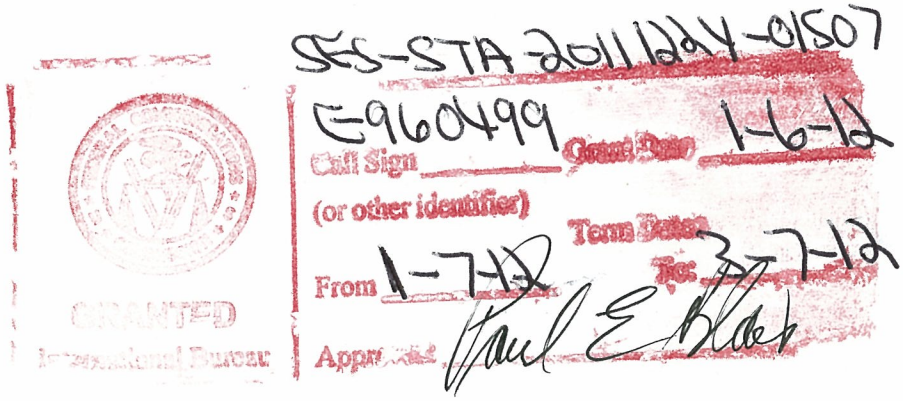
Conditions:
Applicant: Harris CapRock Inc
File Number: SES-STA-20111224-01507
Call Sign: E960499

Harris CapRock Communications, Inc. is granted, under the following conditions, Special Temporary Authority for 60 days, from 1/7/2012 through 2/29/2012, to operate as described in SES-STA-20111224-01507. Based on the following conditions:

1. Operations under this authority are on a non-interference basis only.

2. Operations under this authority are on a non-protected basis only.

3. Off axis EIRP limits shall not exceed 47 C.F.F § 25.218 envelopes.



2. Contact

Name:	Raul Magallanes	**Phone Number:**	281–317–1397
Company:	The Law Office of Raul Magallanes, PLLC	**Fax Number:**	281–271–8085
Street:	PO Box 1213	E–Mail:	raul@rmtelecomlaw.com
City:	Houston	**State:**	TX
Country:	USA	**Zipcode:**	77549 –
Attention:	Raul Magallanes	**Relationship:**	Legal Counsel

(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 or Submission ID

4a. Is a fee submitted with this application?
◉ If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R.Section 1.1114).
○ Governmental Entity ○ Noncommercial educational licensee
○ Other(please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

◉ Use Prior to Grant ○ Change Station Location ○ Other

6. Requested Use Prior Date 01/07/2012	

7. CitySedalia	8. Latitude (dd mm ss.s h) 39 28 0.0 N
9. State CO	10. Longitude (dd mm ss.s h) 104 59 31.0 W

11. Please supply any need attachments.

Attachment 1: Cover Letter Attachment 2: Exhibit A Attachment 3: Exhibit B

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.)

Request for STA to operate Andrew 3.7m while permanent applicaiton is under review

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.

(◉) Yes ( ) No

14. Name of Person Signing EllenAnn Sands	15. Title of Person Signing Corporate Counsel

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 PRA@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.

TELECOMMUNICATIONS LAW
The Law Office of
Raúl Magallanes

FCC LICENSING & REGULATION
P.O. Box 1213, Houston, TX 77549
(281) 317-1397 T, (281) 271-8085 F
info@rmtelecomlaw.com
www.rmtelecomlaw.com

December 24, 2011

System Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Request for Special Temporary Authority – Harris CapRock Communicaions, Inc.

Pursuant to Section 25.120(a) of the Rules and Regulations ("Regulations") of the Federal Communications Commission ("Commission"), Harris CapRock Communications, Inc.. ("Harris CapRock") seeks Commission consideration for a Special Temporary Authority ("STA") to operate a VSAT station (callsign E960499, SES-RWL-20070320-00375) while an application for modification of authority to add a new C-band Andrew 3.7m antenna undergoes Commission review.

According to Section 25.120(b)(3) of the Regulations, the Commission may grant temporary authority for a period not to exceed 60 days, if the STA request has not been placed on public notice, and the applicant plans to file a request for regular authority for the service. In the instant case, the STA request has not been placed on public notice but Harris CapRock has filed an application for modification of authority. See Submission ID: **IB2011005260**. Therefore, Harris CapRock respectfully requests an STA for a period not to exceed 60 days.

Harris CapRock is a global satellite communications provider for the energy, government, and maritime industries as well as for disaster recovery services. The company uses the latest field-proven satellite technologies to deliver highly-reliable managed communications services, including broadband internet, voice over IP, secure networking and real-time video, to the world's harshest and most remote locations. The Andrew 3.7m C-band hub at issue will be used to support remote antennas in hard to reach locations throughout the United States. In particular, these remotes will support critical communications related to drilling and other energy field services.

According to Section 25.120 (b)(1) of the Regulations, "The Commission may grant a temporary authorization only upon a finding that there are extraordinary circumstances requiring temporary operations in the public interest and that delay in the institution of these temporary operations would seriously prejudice the public interest". Because of the important nature of the communications carried by the proposed Harris CapRock's Andrew 3.7m hub, it is critical that Harris CapRock operate while the application for permanent authority is underway. As this is a C-band system, frequency coordination has been completed with no known cases of interference. Furthermore, Harris CapRock wishes to operate this earth station on AMC-9 at 83 degrees West.

The requested date for prior use is January 7, 2012. In accordance to Section 25.120(a) of the Regulations, this STA is being filed at least 3 working days prior to the date of proposed operation.

Sincerely,

/s/ Raul Magallanes
Attorney

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1128702 5.93 GHz
Licensee: Harris CapRock Communications Inc

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:

Douglas, CO

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:

11/10/2011 Original PCN
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:

ADCOM911
AIRLIFE DENVER
AT&T COMMUNICATIONS
AT&T COMMUNICATIONS OF THE MOUNTAIN STATES INC
AT&T CORP
BNSF RAILWAY COMPANY
BOULDER COUNTY OF SHERIFF'S COMM CENTER
CBS COMMUNICATIONS SERVICES
CBS TELEVISION STATIONS INC
CENTURYTEL OF EAGLE INC
COLORADO INTERSTATE GAS COMPANY
COLORADO SPRINGS CITY OF
COLORADO SPRINGS UTILITIES
COLORADO STATE OF TELECOMMUNICATIONS DIVISION
COMSEARCH INC
CORBAN COMMUNICATIONS INC
ENTRAVISION HOLDINGS LLC
FONES WEST DIGITAL SYSTEMS INC
GRAY TELEVISION LICENSEE INC
GREAT WESTERN COMMUNICATIONS LLC
INTERMOUNTAIN RURAL ELECTRIC ASSOCIATION
INTERNATIONAL COMMUNICATIONS GROUP INC D/B/A CORBAN NETWORKS
MCI COMMUNICATION SERVICES INC
METROPOLITAN AREA NETWORKS INC
MHO NETWORKS
MICRONET COMMUNICATIONS INC
MULTIMEDIA HOLDINGS CORPORATION
NE COLORADO CELLULAR INC
NE COLORADO WIRELESS TECHNOLOGIES INC

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1128702 5.93 GHz
Licensee: Harris CapRock Communications Inc

NEW CINGULAR WIRELESS PCS LLC
NEW CINGULAR WIRELESS PCS LLC - AZ
OPEN RANGE COMMUNICATIONS
QWEST CORPORATION
RADIO DYNAMICS
SANGRE DE CRISTO COMMUNICATIONS INC D/B/A KOAA-TV
SPRINT COMMUNICATIONS COMPANY LP
TRI STATE GENERATION AND TRANSMISSION ASSOCIATION INC
UNITED POWER ASSOCIATION
VERIZON WIRELESS (VAW) LLC VODAFONE AIRTOUCH LICENSES LLC D/B/A

Respectfully Submitted,

Jeremy B. Lewis

Jeremy Lewis
System Engineer

Attached: 1 data sheet

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

File: M1128702

TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

Company:		Harris CapRock Communications Inc	
Site Name, State:		Douglas, CO	
Call Sign:			
Latitude	(NAD83)	39 28 0.0 N	
Longitude	(NAD83)	104 59 31.0 W	
Elevation AMSL	(ft/m)	5653.41	1723.16
Receive Frequency Range	(MHz)	3700-4200	
Transmit Frequency Range	(MHz)	5925-6425	
Range of Satellite Orbital Long.	(deg W)	74.00	139.00
Range of Azimuths from North	(deg)	136.62	226.71
Antenna Centerline	(ft/m)	12.00	3.66
Antenna Elevation Angles	(deg)	34.27	32.47

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	42.50	45.50
15 DB Half Beamwidth	(deg)	2.40	0.86
Antennas	Receive: ANDREW 3.7 METER		
	Transmit: ANDREW 3.7 METER		
Max Transmitter Power	(dbW/4KHz)		-12.60
Max EIRP Main Beam	(dbW/4KHz)		32.90
Modulation / Emission Designator	DIGITAL	5M46G7W	683KG7W

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	247.34	134.44
Max Rain Scatter Distances	(km)	395.22	100.00
Max Interference Power Long Term	(dbW)	-140.60	-151.80
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		2	A

Request for Routine Processing of Non-Compliant Antenna

The antenna at issue is a C-band Andrew 3.7m Type ES37-2LPC37 ("Antenna"). This Antenna does not strictly comply with Section 25.209 of the Regulations. However, according to Section 25.218 of the Regulations, an applicant may request routine processing of an application if it meets the applicable off-axis EIRP envelopes.

Furthermore, an application pursuant to Section 25.218 must file the corresponding tables outlined in Section 25.115(h) of the Regulations. Applicant presents below the tables outlined in Section 25.115(h) and therefore requests routine processing of this application.

EIRP DENSITY TABLE, AZIMUTH - §25.115 (h) (1)					
Antenna Manufacturer	Andew		**Antenna Diameter**	3.70	m
Antenna Model	ES37		**Antenna Gain**	45.5	dBi
Transmit Frequency	6.000	GHz	**Max EIRP Density**	-12.6	dBW/4KHz

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
1.5	21.9	16.4	-5.5
1.6	21.2	12.9	-8.3
1.7	20.5	8.9	-11.6
1.8	19.9	0.9	-19.0
1.9	19.3	0.9	-18.4
2.0	18.8	5.9	-12.8
2.1	18.2	7.9	-10.3
2.2	17.7	7.9	-9.8
2.3	17.3	7.9	-9.3
2.4	16.8	6.9	-9.9
2.5	16.4	6.9	-9.4
2.6	15.9	7.9	-8.0
2.7	15.5	7.9	-7.6
2.8	15.1	7.9	-7.2
2.9	14.7	6.9	-7.8
3.0	14.4	5.9	-8.4
3.1	14.0	3.9	-10.1
3.2	13.7	-0.1	-13.7
3.3	13.3	-4.1	-17.4
3.4	13.0	-4.1	-17.1
3.5	12.7	-2.1	-14.8
3.6	12.4	1.9	-10.5
3.7	12.1	1.9	-10.2
3.8	11.8	1.9	-9.9
3.9	11.5	0.9	-10.6
4.0	11.2	-3.1	-14.3
4.1	11.0	-6.1	-17.0
4.2	10.7	-13.1	-23.8
4.3	10.5	-9.1	-19.5
4.4	10.2	-6.1	-16.3
4.5	10.0	-4.1	-14.0
4.6	9.7	-4.1	-13.8
4.7	9.5	-4.1	-13.6

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
7.5	5.3	-18.1	-23.4
7.6	5.3	-15.1	-20.4
7.7	5.3	-13.1	-18.4
7.8	5.3	-10.1	-15.4
7.9	5.3	-9.1	-14.4
8.0	5.3	-8.1	-13.4
8.1	5.3	-8.1	-13.4
8.2	5.3	-8.1	-13.4
8.3	5.3	-9.1	-14.4
8.4	5.3	-11.1	-16.4
8.5	5.3	-13.1	-18.4
8.6	5.3	-18.1	-23.4
8.7	5.3	-25.1	-30.4
8.8	5.3	-23.1	-28.4
8.9	5.3	-18.1	-23.4
9.0	5.3	-16.1	-21.4
9.1	5.3	-15.1	-20.4
9.2	5.3	-15.1	-20.4
9.3	5.1	-15.1	-20.2
9.4	5.0	-16.1	-21.0
9.5	4.9	-17.1	-21.9
9.6	4.7	-18.1	-22.8
9.7	4.6	-18.1	-22.7
9.8	4.5	-21.1	-25.6
9.9	4.4	-22.1	-26.5
10.0	4.3	-23.1	-27.4
15.0	-0.1	-25.1	-25.0
20.0	-3.2	-17.1	-13.8
25.0	-5.6	-23.1	-17.4
30.0	-7.6	-31.1	-23.4
35.0	-9.3	-23.1	-13.8
40.0	-10.8	-41.1	-30.3
45.0	-12.0	-31.1	-19.0

4.8	9.3	-8.1	-17.3
4.9	9.0	-15.1	-24.1
5.0	8.8	-23.1	-31.9
5.1	8.6	-16.1	-24.7
5.2	8.4	-10.1	-18.5
5.3	8.2	-7.1	-15.3
5.4	8.0	-6.1	-14.1
5.5	7.8	-6.1	-13.9
5.6	7.6	-6.6	-14.2
5.7	7.4	-7.1	-14.5
5.8	7.2	-8.1	-15.3
5.9	7.0	-9.1	-16.1
6.0	6.8	-10.1	-16.9
6.1	6.7	-12.1	-18.7
6.2	6.5	-13.1	-19.6
6.3	6.3	-13.1	-19.4
6.4	6.1	-13.1	-19.2
6.5	6.0	-13.1	-19.0
6.6	5.8	-14.1	-19.9
6.7	5.6	-14.1	-19.7
6.8	5.5	-15.1	-20.6
6.9	5.3	-17.1	-22.4
7.0	5.2	-19.1	-24.2
7.1	5.3	-21.1	-26.4
7.2	5.3	-21.1	-26.4
7.3	5.3	-20.1	-25.4
7.4	5.3	-19.6	-24.9

50.0	-12.7	-29.1	-16.4
55.0	-12.7	-29.1	-16.4
60.0	-12.7	-39.1	-26.4
65.0	-12.7	-31.1	-18.4
70.0	-12.7	-29.1	-16.4
75.0	-12.7	-27.1	-14.4
80.0	-12.7	-27.1	-14.4
85.0	-12.7	-27.1	-14.4
90.0	-12.7	-32.1	-19.4
95.0	-12.7	-35.1	-22.4
100.0	-12.7	-35.1	-22.4
105.0	-12.7	-33.1	-20.4
110.0	-12.7	-37.1	-24.4
115.0	-12.7	-45.1	-32.4
120.0	-12.7	-37.1	-24.4
125.0	-12.7	-45.1	-32.4
130.0	-12.7	-43.1	-30.4
135.0	-12.7	-45.1	-32.4
140.0	-12.7	-39.1	-26.4
145.0	-12.7	-43.1	-30.4
150.0	-12.7	-43.1	-30.4
155.0	-12.7	-39.1	-26.4
160.0	-12.7	-36.1	-23.4
165.0	-12.7	-37.1	-24.4
170.0	-12.7	-45.1	-32.4
175.0	-12.7	-41.1	-28.4
180.0	-12.7	-47.1	-34.4

EIRP DENSITY TABLE, ELEVATION - §25.115 (h) (2)					
Antenna Manufacturer	Andrew		**Antenna Diameter**	3.70	m
Antenna Model	ES37		**Antenna Gain**	45.5	dBi
Transmit Frequency	6.0000	GHz	**Max EIRP Density**	-12.6	dBW/4KHz

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
1.5	24.9	15.9	-9.0
1.6	24.2	13.9	-10.3
1.7	23.5	9.9	-13.6
1.8	22.9	3.9	-19.0
1.9	22.3	-6.1	-28.4
2.0	21.8	1.9	-19.8
2.1	21.2	5.9	-15.3
2.2	20.7	6.9	-13.8
2.3	20.3	7.9	-12.3
2.4	19.8	6.9	-12.9
2.5	19.4	6.9	-12.4
2.6	18.9	5.9	-13.0
2.7	18.5	6.9	-11.6
2.8	18.1	6.9	-11.2
2.9	17.7	6.9	-10.8
3.0	17.4	5.9	-11.4
3.1	17.0	3.9	-13.1
3.2	16.7	2.9	-13.7
3.3	16.3	0.9	-15.4
3.4	16.0	-0.1	-16.1
3.5	15.7	0.9	-14.8
3.6	15.4	0.9	-14.5
3.7	15.1	0.9	-14.2
3.8	14.8	0.9	-13.9
3.9	14.5	-0.1	-14.6
4.0	14.2	-1.1	-15.3
4.1	14.0	-2.1	-16.0
4.2	13.7	-2.1	-15.8
4.3	13.5	-1.1	-14.5
4.4	13.2	-0.1	-13.3
4.5	13.0	0.9	-12.0
4.6	12.7	-0.1	-12.8
4.7	12.5	-1.1	-13.6
4.8	12.3	-3.1	-15.3

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
6.1	9.7	-9.1	-18.7
6.2	9.5	-9.1	-18.6
6.3	9.3	-10.1	-19.4
6.4	9.1	-11.1	-20.2
6.5	9.0	-13.1	-22.0
6.6	8.8	-15.1	-23.9
6.7	8.6	-23.1	-31.7
6.8	8.5	-27.1	-35.6
6.9	8.3	-25.1	-33.4
7.0	8.2	-22.1	-30.2
7.1	8.0	-21.1	-29.1
7.2	7.9	-22.1	-29.9
7.3	7.7	-22.1	-29.8
7.4	7.6	-19.1	-26.6
7.5	7.4	-15.1	-22.5
7.6	7.3	-13.1	-20.3
7.7	7.1	-10.1	-17.2
7.8	7.0	-9.1	-16.1
7.9	6.9	-8.1	-14.9
8.0	6.7	-8.1	-14.8
8.1	6.6	-9.1	-15.7
8.2	6.5	-10.1	-16.5
8.3	6.3	-12.1	-18.4
8.4	6.2	-14.1	-20.3
8.5	6.1	-17.1	-23.1
8.6	5.9	-19.1	-25.0
8.7	5.8	-18.1	-23.9
8.8	5.7	-15.1	-20.8
8.9	5.6	-13.1	-18.6
9.0	5.4	-11.1	-16.5
9.1	5.3	-10.1	-15.4
9.2	5.2	-9.1	-14.3
9.3	5.1	-8.1	-13.2
9.4	5.0	-7.1	-12.0

4.9	12.0	-6.1	-18.1
5.0	11.8	-9.1	-20.9
5.1	11.6	-10.1	-21.7
5.2	11.4	-9.1	-20.5
5.3	11.2	-7.1	-18.3
5.4	11.0	-6.1	-17.1
5.5	10.8	-6.1	-16.9
5.6	10.6	-7.1	-17.7
5.7	10.4	-8.1	-18.5
5.8	10.2	-9.1	-19.3
5.9	10.0	-10.1	-20.1
6.0	9.8	-9.1	-18.9

9.5	4.9	-7.1	-11.9
9.6	4.7	-7.1	-11.8
9.7	4.6	-8.1	-12.7
9.8	4.5	-9.1	-13.6
9.9	4.4	-11.1	-15.5
10.0	4.3	-14.1	-18.4
15.0	-0.1	-21.1	-21.0
20.0	-3.2	-22.1	-18.8
25.0	-5.6	-27.1	-21.4
30.0	-7.6	-31.1	-23.4
35.0	-9.3	-24.1	-14.8
40.0	-10.8	-13.1	-2.3
45.0	-12.0	-47.1	-35.0

EIRP DENSITY TABLE, HORIZON - §25.115 (h) (3)			
Antenna Manufacturer	Andrew	**Antenna Diameter**	3.70 m
Antenna Model	ES37	**Antenna Gain**	45.5 dBi
Transmit Frequency	6.0000 GHz	**Max EIRP Density**	-12.6 dBW/4KHz

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
1.5	21.9	12.9	-9.0
1.6	21.2	9.4	-11.8
1.7	20.5	5.4	-15.1
1.8	19.9	-2.6	-22.5
1.9	19.3	-2.6	-21.9
2.0	18.8	2.4	-16.3
2.1	18.2	4.4	-13.8
2.2	17.7	4.4	-13.3
2.3	17.3	4.4	-12.8
2.4	16.8	3.4	-13.4
2.5	16.4	3.4	-12.9
2.6	15.9	4.4	-11.5
2.7	15.5	4.4	-11.1
2.8	15.1	4.4	-10.7
2.9	14.7	3.4	-11.3
3.0	14.4	2.4	-11.9
3.1	14.0	0.4	-13.6
3.2	13.7	-3.6	-17.2
3.3	13.3	-7.6	-20.9
3.4	13.0	-7.6	-20.6
3.5	12.7	-5.6	-18.3
3.6	12.4	-1.6	-14.0
3.7	12.1	-1.6	-13.7
3.8	11.8	-1.6	-13.4
3.9	11.5	-2.6	-14.1
4.0	11.2	-6.6	-17.8
4.1	11.0	-9.6	-20.5
4.2	10.7	-16.6	-27.3
4.3	10.5	-12.6	-23.0
4.4	10.2	-9.6	-19.8
4.5	10.0	-7.6	-17.5
4.6	9.7	-7.6	-17.3
4.7	9.5	-7.6	-17.1
4.8	9.3	-11.6	-20.8

Off-Axis degrees	§25.218 SD (dBW/4KHz)	Actual SD (dBW/4KHz)	Margin (dB)
7.5	-5.3	-21.6	-16.3
7.6	-5.3	-18.6	-13.3
7.7	-5.3	-16.6	-11.3
7.8	-5.3	-13.6	-8.3
7.9	-5.3	-12.6	-7.3
8.0	-5.3	-11.6	-6.3
8.1	-5.3	-11.6	-6.3
8.2	-5.3	-11.6	-6.3
8.3	-5.3	-12.6	-7.3
8.4	-5.3	-14.6	-9.3
8.5	-5.3	-16.6	-11.3
8.6	-5.3	-21.6	-16.3
8.7	-5.3	-28.6	-23.3
8.8	-5.3	-26.6	-21.3
8.9	-5.3	-21.6	-16.3
9.0	-5.3	-19.6	-14.3
9.1	-5.3	-18.6	-13.3
9.2	-5.3	-18.6	-13.3
9.3	5.1	-18.6	-23.7
9.4	5.0	-19.6	-24.5
9.5	4.9	-20.6	-25.4
9.6	4.7	-21.6	-26.3
9.7	4.6	-21.6	-26.2
9.8	4.5	-24.6	-29.1
9.9	4.4	-25.6	-30.0
10.0	4.3	-26.6	-30.9
15.0	-0.1	-28.6	-28.5
20.0	-3.2	-20.6	-17.3
25.0	-5.6	-26.6	-20.9
30.0	-7.6	-34.6	-26.9
35.0	-9.3	-26.6	-17.3
40.0	-10.8	-44.6	-33.8
45.0	-12.0	-34.6	-22.5
50.0	-12.7	-32.6	-19.9

4.9	9.0	-18.6	-27.6
5.0	8.8	-26.6	-35.4
5.1	8.6	-19.6	-28.2
5.2	8.4	-13.6	-22.0
5.3	8.2	-10.6	-18.8
5.4	8.0	-9.6	-17.6
5.5	7.8	-9.6	-17.4
5.6	7.6	-10.1	-17.7
5.7	7.4	-10.6	-18.0
5.8	7.2	-11.6	-18.8
5.9	7.0	-12.6	-19.6
6.0	6.8	-13.6	-20.4
6.1	6.7	-15.6	-22.2
6.2	6.5	-16.6	-23.1
6.3	6.3	-16.6	-22.9
6.4	6.1	-16.6	-22.7
6.5	6.0	-16.6	-22.5
6.6	5.8	-17.6	-23.4
6.7	5.6	-17.6	-23.2
6.8	5.5	-18.6	-24.1
6.9	5.3	-20.6	-25.9
7.0	5.2	-22.6	-27.7
7.1	-5.3	-24.6	-19.3
7.2	-5.3	-24.6	-19.3
7.3	-5.3	-23.6	-18.3
7.4	-5.3	-23.1	-17.8

55.0	-12.7	-32.6	-19.9
60.0	-12.7	-42.6	-29.9
65.0	-12.7	-34.6	-21.9
70.0	-12.7	-32.6	-19.9
75.0	-12.7	-30.6	-17.9
80.0	-12.7	-30.6	-17.9
85.0	-12.7	-30.6	-17.9
90.0	-12.7	-35.6	-22.9
95.0	-12.7	-38.6	-25.9
100.0	-12.7	-38.6	-25.9
105.0	-12.7	-36.6	-23.9
110.0	-12.7	-40.6	-27.9
115.0	-12.7	-48.6	-35.9
120.0	-12.7	-40.6	-27.9
125.0	-12.7	-48.6	-35.9
130.0	-12.7	-46.6	-33.9
135.0	-12.7	-48.6	-35.9
140.0	-12.7	-42.6	-29.9
145.0	-12.7	-46.6	-33.9
150.0	-12.7	-46.6	-33.9
155.0	-12.7	-42.6	-29.9
160.0	-12.7	-39.6	-26.9
165.0	-12.7	-40.6	-27.9
170.0	-12.7	-48.6	-35.9
175.0	-12.7	-44.6	-31.9
180.0	-12.7	-50.6	-37.9