

SUPPLEMENTAL STATEMENT

The applicant requests the Emission Designator 9M38G7W be added to the Receive Frequency Range 3700-4200 MHz for Call Sign E030216 (SES-MOD-20170427-00481). The attached coordination documents demonstrate that no unacceptable interference will result with existing, proposed, or prior coordinated radio facilities.

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Should the Commission require additional information, it is asked to contact Tim Doughty, Keller and Heckman LLP, 1001 G Street NW, Washington, DC 20001; (202)434-4271; e-mail: doughty@khlaw.com or Wes Wright; 202.434.4239; e-mail: wright@khlaw.com.

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1703010 5.93 GHz
Licensee: Harris CapRock Communications Inc.

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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:

Boomvang, GM

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:

07/19/2017 No-impact change notification pursuant to Section
101.103(d)(2)(ix) - No response required.
03/23/2017 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:

COMSEARCH INC

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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

File: M1703010

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	Harris CapRock Communications Inc.		
Site Name, State:	Boomvang, GM		
Call Sign:	E050331		
Latitude	(NAD83)	27 21	12.8 N
Longitude	(NAD83)	94 37	31.1 W
Elevation AMSL	(ft/m)	0.00	0.00
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)	140.68	244.84
Antenna Centerline	(ft/m)	103.02	31.40
Antenna Elevation Angles	(deg)	50.75	32.06

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	38.50	41.70
15 DB Half Beamwidth	(deg)	1.00	1.20
Antennas	Receive: SEATEL 9797		
	Transmit: SEATEL 9797		
Max Transmitter Power	(dbW/4KHz)		-15.90
Max EIRP Main Beam	(dbW/4KHz)		25.80
Modulation / Emission Designator	ANALOG 9M38G7W		

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	246.54	137.31
Max Rain Scatter Distances	(km)	238.94	100.00
Max Interference Power Long Term	(dbW)	-140.60	-154.00
Max Interference Power Short Term	(dbW)	-118.40	-130.80
Rain Zone / Radio Zone		2	A

Micronet Communications, Inc.

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972-422-7200

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1703012 5.93 GHz
Licensee: Harris CapRock Communications Inc.

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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:

Gunnison, GM

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:

07/19/2017 No-impact change notification pursuant to Section
101.103(d)(2)(ix) - No response required.
03/23/2017 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:

COMSEARCH INC
MICRONET COMMUNICATIONS INC
RIGNET SATCOM, INC.
TAMPNET LICENSEE LLC

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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

File: M1703012

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	Harris CapRock Communications Inc.		
Site Name, State:	Gunnison, GM		
Call Sign:	E030159		
Latitude	(NAD83)	27 18	19.0 N
Longitude	(NAD83)	93 32	20.0 W
Elevation AMSL	(ft/m)	65.94	20.10
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)	142.27	245.71
Antenna Centerline	(ft/m)	88.91	27.10
Antenna Elevation Angles	(deg)	51.47	31.13

Equipment Parameters		Receive	Transmit
Antenna Gain, Main Beam	(dbI)	38.50	41.70
15 DB Half Beamwidth	(deg)	1.00	1.20
Antennas	Receive: SEATEL 9797		
	Transmit: SEATEL 9797		
Max Transmitter Power	(dbW/4KHz)		-15.90
Max EIRP Main Beam	(dbW/4KHz)		25.80
Modulation / Emission Designator	ANALOG 9M38G7W		

Coordination Parameters		Receive	Transmit
Max Greater Circle Distances	(km)	248.28	138.18
Max Rain Scatter Distances	(km)	301.12	100.00
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

Micronet Communications, Inc.

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

SUPPLEMENTAL SHOWING PART 101.103(D)

File Number: M1703013 5.93 GHz
Licensee: Harris CapRock Communications Inc.

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:

Constitution, GM

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:

07/19/2017 No-impact change notification pursuant to Section
101.103(d)(2)(ix) - No response required.
03/23/2017 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:

COMSEARCH INC
MICRONET COMMUNICATIONS INC
RIGNET SATCOM, INC.
TAMPNET LICENSEE LLC

Respectfully Submitted,



Jeremy Lewis
Systems Engineer

Attached: 1 data sheet

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

File: M1703013

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TECHNICAL CHARACTERISTICS OF TRANSMIT RECEIVE EARTH STATION

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Company:	Harris CapRock Communications Inc.		
Site Name, State:	Constitution, GM		
Call Sign:	E050206		
Latitude	(NAD83)	27 17	31.9 N
Longitude	(NAD83)	90 58	4.8 W
Elevation AMSL	(ft/m)	0.00	0.00
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)	146.36	247.59
Antenna Centerline	(ft/m)	158.20	48.22
Antenna Elevation Angles	(deg)	53.00	28.86

Equipment Parameters	Receive	Transmit
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Antenna Gain, Main Beam	(dbI)	38.50	41.70
15 DB Half Beamwidth	(deg)	1.00	1.20

Antennas Receive: SEATEL 9797
 Transmit: SEATEL 9797

Max Transmitter Power	(dbW/4KHz)		-15.90
Max EIRP Main Beam	(dbW/4KHz)		25.80
Modulation / Emission Designator	ANALOG	9M38G7W	

Coordination Parameters	Receive	Transmit
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Max Greater Circle Distances	(km)	252.62	140.33
Max Rain Scatter Distances	(km)	301.91	100.00
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