

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

File: M1703010

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TECHNICAL CHARACTERISTICS OF TRANSMIT ONLY 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)		
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		Transmit
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Antenna Gain, Main Beam	(dbI)	41.70
15 DB Half Beamwidth	(deg)	1.20

Antennas Transmit: SEATEL 9797

Max Transmitter Power	(dbW/4KHz)	-22.14
Max EIRP Main Beam	(dbW/4KHz)	19.56
Modulation / Emission Designator	ANALOG 9M38G7W	

Coordination Parameters		Transmit
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Max Greater Circle Distances	(km)	120.30
Max Rain Scatter Distances	(km)	100.00
Max Interference Power Long Term	(dbW)	-154.00
Max Interference Power Short Term	(dbW)	-130.80
Rain Zone / Radio Zone		2 A