

Towanda Bryant

From: Williams, Teresa G [tw238j@att.com]
Sent: Tuesday, July 05, 2011 1:01 PM
To: Towanda Bryant
Subject: Corrections for SES-MOD-20110628-00749, KE35

Correction Highlighted in yellow.

Site No. 1, Site ID: 1

City: SPARREVOHN County: State: AK

Latitude: 610624.0N Longitude: 1553621.0W

PTComms: ALSAT

Ant	Diameter	Max Input	Max Output	Gain	Gain	
Row	Antenna ID	(m)	Power (W)	Eirp (dBW)	(dBi@GHz)	(dBi@GHz)
1	1	7.00	25.0	64.5	47.7 @ 4	50.5 @ 6

Calc Calc Calc Calc

Crđ Freq Lo Freq Hi SatArc SatArc Elev Elev Azim Azim Elev Elev Azim Azim Antenna ID

Row	(MHz)	(MHz)	(East)	(West)	(East)	(West)	(East)	(West)	(East)	(West)	(East)	(West)	
1	5925	6425	95 W	150W	5.1	20.6	116.3	173.6	5.1	20.6	116.3	173.6	1
2	3700	4200	95 W	150W	5.1	20.6	116.3	173.6	5.1	20.6	116.3	173.6	1

Frq Freq Lo Freq Hi Emission EIRP Eirp Den. T/R Band- Modu- Pt Pt Pow.Den. Antenna ID

Row	(MHz)	(MHz)	(dBW)	(dBW/4kHz)	width	lation	(dBW)	(Watts)	(dBW/4kHz)			
1	5925	6425	13M9G1D	64.50	30.10	T	13.9 MHz	Digital	14.00	25.12	-20.40	1
2	5925	6425	29K0G1D	55.40	47.80	T	29.0 kHz	Digital	8.10	6.46	0.50	1
3	5925	6425	13M9G7W	64.50	30.10	T	13.9 MHz	Digital	14.00	25.12	-20.40	1
4	3700	4200	13M9G1D			R	13.9 MHz	Digital				1

5	3700	4200	29K0G1D		R	29.0 kHz Digital				1
6	3700	4200	13M9G7W		R	13.9 MHz Digital				1
7	5925	6425	57K0G7W	58.40	47.80	T	57.0 kHz Digital	11.10	12.88	0.50 1
8	3700	4200	57K0G7W		R	57.0 kHz Digital				1

Certifications are OK

East Elev Angle (5.2 differs from calculated (7.2) by more than 0.5 degrees on SiteID 1, AntennaID 1

East Azim Angle (123.9 differs from calculated (120.9) by more than 0.5 degrees on SiteID 1, AntennaID 1

West Elev Angle (15.5 differs from calculated (20.6) by more than 0.5 degrees on SiteID 1, AntennaID 1

West Azim Angle (176.0 differs from calculated (173.6) by more than 0.5 degrees on SiteID 1, AntennaID 1

East Elev Angle (5.2 differs from calculated (7.2) by more than 0.5 degrees on SiteID 1, AntennaID 1

East Azim Angle (123.9 differs from calculated (120.9) by more than 0.5 degrees on SiteID 1, AntennaID 1

West Elev Angle (15.5 differs from calculated (20.6) by more than 0.5 degrees on SiteID 1, AntennaID 1

West Azim Angle (176.0 differs from calculated (173.6) by more than 0.5 degrees on SiteID 1, AntennaID 1

PowDen (0.5 dBW) on 5925-6425 29K0G1D exceeds Max Digital PowDen of -2.7for ROUTINE PROCESSING on SiteID 1, AntennaID 1

To meet ROUTINE PROCESSING level, this power density may be reduced by 3.2 dB;

OR a 2-DEGREE SPACING ANALYSIS is required.

PowDen (0.5 dBW) on 5925-6425 57K0G7W exceeds Max Digital PowDen of -2.7for ROUTINE PROCESSING on SiteID 1, AntennaID 1

To meet ROUTINE PROCESSING level, this power density may be reduced by 3.2 dB;

OR a 2-DEGREE SPACING ANALYSIS is required.

The safe RF radiation limit of 5.0 mW/cm² is not exceeded by this facility.1

Thank you,

Tessie (Teresa) Williams

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