

ORLANDO, FL  
 28 25 49.9  
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POINTING AZIMUTH AND ELEVATION ANGLES

SATELLITE LONGITUDE	LONG DIFF	AZIMUTH	ELEV ANGLE	SATELLITE NAME
70.00	-11.46	156.93	54.50	BRASILSAT B2
71.00	-10.46	158.80	54.87	
72.00	-9.46	160.70	55.22	AMC 6
73.00	-8.46	162.64	55.54	
74.00	-7.46	164.61	55.82	SBS 6
75.00	-6.46	166.61	56.07	
76.00	-5.46	168.64	56.29	COMSTAR 1&2
77.00	-4.46	170.69	56.47	
78.00	-3.46	172.75	56.61	ANC 5
79.00	-2.46	174.84	56.72	
80.00	-1.46	176.93	56.79	
81.00	-.46	179.03	56.83	
82.00	.54	181.13	56.83	NIMIG 2
83.00	1.54	183.22	56.79	AMC 9
84.00	2.54	185.32	56.71	BRASILSAT B3
85.00	3.54	187.40	56.60	XM 3
86.00	4.54	189.46	56.46	
87.00	5.54	191.51	56.27	AMC 3
88.00	6.54	193.53	56.05	
89.00	7.54	195.53	55.80	
90.00	8.54	197.50	55.52	
91.00	9.54	199.44	55.20	
92.00	10.54	201.34	54.85	BRASILSAT B4
93.00	11.54	203.21	54.47	INTELSAT 6
94.00	12.54	205.03	54.06	
95.00	13.54	206.82	53.62	
96.00	14.54	208.57	53.15	
97.00	15.54	210.28	52.66	INTELSAT 5
98.00	16.54	211.95	52.15	
99.00	17.54	213.57	51.61	GALAXY 4R
100.00	18.54	215.16	51.04	
101.00	19.54	216.70	50.46	
102.00	20.54	218.20	49.85	
103.00	21.54	219.66	49.23	AMC 1
104.00	22.54	221.07	48.59	
105.00	23.54	222.45	47.92	AMC 2
106.00	24.54	223.80	47.25	
107.00	25.54	225.10	46.56	ANIK F1
108.00	26.54	226.37	45.85	
109.00	27.54	227.60	45.13	
110.00	28.54	228.80	44.39	EHOSTAR 6
111.00	29.54	229.96	43.65	ANIK F2
112.00	30.54	231.09	42.89	
113.00	31.54	232.20	42.12	SOLIDARIDAD 2
114.00	32.54	233.27	41.34	
115.00	33.54	234.31	40.55	
116.00	34.54	235.33	39.76	SATMEX 5
117.00	35.54	236.31	38.95	
118.00	36.54	237.28	38.14	
119.00	37.54	238.22	37.32	EHOSTAR 7

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120.00	38.54	239.13	36.49	
121.00	39.54	240.02	35.66	ECHOSTAR 9
122.00	40.54	240.89	34.82	
123.00	41.54	241.74	33.98	GALAXY 10R
124.00	42.54	242.58	33.13	
125.00	43.54	243.39	32.27	GALAXY 12
126.00	44.54	244.18	31.42	
127.00	45.54	244.96	30.55	
128.00	46.54	245.71	29.69	
129.00	47.54	246.46	28.82	INTELSAT 7
130.00	48.54	247.18	27.95	
131.00	49.54	247.90	27.08	AMC 11
132.00	50.54	248.60	26.20	
133.00	51.54	249.28	25.32	GALAXY 1
134.00	52.54	249.96	24.44	
135.00	53.54	250.62	23.56	AMC 10
136.00	54.54	251.27	22.67	
137.00	55.54	251.90	21.79	AMC 7
138.00	56.54	252.53	20.90	
139.00	57.54	253.15	20.01	AMC 8
140.00	58.54	253.76	19.12	
141.00	59.54	254.36	18.24	
142.00	60.54	254.95	17.35	
143.00	61.54	255.53	16.46	
144.00	62.54	256.10	15.57	ECHOSTAR 1,2

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AZIMUTH	HORIZON	DISC	HORIZON	4GHZ COORD	6 GHZ	RAIN4	RAIN6
DEGREES	ANGLE	ANGLE	GAIN DBI	DISTANCE	DISTANCE	SCATTER	SCATTER
	DEGREES	DEGREES		KM	KM	KM	KM
5.	.2	161.2	-10.0	.0	120.5	.0	208.4
10.	.2	156.5	-10.0	.0	120.5	.0	208.4
15.	.2	151.8	-10.0	.0	120.5	.0	208.4
20.	.2	147.2	-10.0	.0	120.5	.0	208.4
25.	.4	142.3	-10.0	.0	120.5	.0	208.4
30.	.4	137.7	-10.0	.0	120.5	.0	208.4
35.	3.4	130.2	-10.0	.0	120.5	.0	208.4
40.	3.8	125.2	-10.0	.0	120.5	.0	208.4
45.	4.7	119.8	-10.0	.0	120.5	.0	208.4
50.	5.5	114.5	-10.0	.0	120.5	.0	208.4
55.	5.5	110.1	-10.0	.0	120.5	.0	208.4
60.	5.9	105.3	-10.0	.0	120.5	.0	208.4
65.	5.9	101.0	-10.0	.0	120.5	.0	208.4
70.	6.4	96.2	-10.0	.0	120.5	.0	208.4
75.	6.6	91.8	-10.0	.0	120.5	.0	208.4
80.	6.8	87.5	-10.0	.0	120.5	.0	208.4
85.	6.8	83.4	-10.0	.0	120.5	.0	208.4
90.	6.8	79.5	-10.0	.0	120.5	.0	208.4
95.	6.8	75.7	-10.0	.0	120.5	.0	208.4
100.	6.8	72.0	-10.0	.0	120.5	.0	208.4
105.	6.4	68.9	-10.0	.0	120.5	.0	208.4
110.	6.4	65.5	-10.0	.0	120.5	.0	208.4
115.	6.2	62.6	-10.0	.0	120.5	.0	208.4
120.	5.2	60.6	-10.0	.0	120.5	.0	208.4
125.	5.2	58.0	-10.0	.0	120.5	.0	208.4
130.	4.1	56.7	-10.0	.0	120.5	.0	208.4
135.	4.1	54.6	-10.0	.0	120.5	.0	208.4
140.	1.0	56.1	-10.0	.0	120.5	.0	208.4
145.	1.0	54.8	-10.0	.0	120.5	.0	208.4
150.	.5	54.4	-10.0	.0	120.5	.0	208.4
155.	.5	54.0	-10.0	.0	120.5	.0	208.4
160.	.5	54.1	-10.0	.0	120.5	.0	208.4
165.	.2	54.9	-10.0	.0	120.5	.0	208.4
170.	.2	55.8	-10.0	.0	120.5	.0	208.4
175.	.2	56.4	-10.0	.0	120.5	.0	208.4
180.	.1	56.7	-10.0	.0	120.5	.0	208.4
185.	.1	56.5	-10.0	.0	120.5	.0	208.4
190.	.0	56.0	-10.0	.0	120.5	.0	208.4
195.	.0	54.8	-10.0	.0	120.5	.0	208.4
200.	.0	52.9	-10.0	.0	120.5	.0	208.4
205.	.0	50.0	-10.0	.0	120.5	.0	208.4
210.	.0	46.4	-9.7	.0	121.6	.0	208.4

TELE-SCI SOLUTIONS, LLC  
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AZIMUTH DEGREES	HORIZON ANGLE DEGREES	DISC ANGLE DEGREES	HORIZON GAIN DBI	4GHZ COORD DISTANCE KM	6 GHZ DISTANCE KM	RAIN4 SCATTER KM	RAIN6 SCATTER KM
215.	.0	42.6	-8.7	.0	124.9	.0	208.4
220.	.0	38.6	-7.7	.0	128.8	.0	208.4
225.	.0	34.5	-6.5	.0	133.4	.0	208.4
230.	.0	30.4	-5.1	.0	138.9	.0	208.4
235.	.1	26.1	-3.4	.0	145.6	.0	208.4
240.	.1	22.3	-1.7	.0	153.0	.0	208.4
245.	.1	19.0	.0	.0	160.8	.0	208.4
250.	.3	16.4	1.6	.0	168.3	.0	208.4
255.	.3	15.3	2.4	.0	172.1	.0	208.4
260.	.3	15.7	2.1	.0	170.5	.0	208.4
265.	.3	17.6	.8	.0	164.6	.0	208.4
270.	.3	20.6	-.8	.0	156.9	.0	208.4
275.	.5	24.0	-2.5	.0	149.5	.0	208.4
280.	.5	28.0	-4.2	.0	142.4	.0	208.4
285.	.5	32.3	-5.7	.0	136.2	.0	208.4
290.	.5	36.8	-7.1	.0	130.8	.0	208.4
295.	.5	41.4	-8.4	.0	126.1	.0	208.4
300.	.5	46.1	-9.6	.0	121.9	.0	208.4
305.	.3	51.0	-10.0	.0	120.5	.0	208.4
310.	.3	55.8	-10.0	.0	120.5	.0	208.4
315.	.3	60.6	-10.0	.0	120.5	.0	208.4
320.	.3	65.5	-10.0	.0	120.5	.0	208.4
325.	.3	70.3	-10.0	.0	120.5	.0	208.4
330.	.3	75.2	-10.0	.0	120.5	.0	208.4
335.	.1	80.3	-10.0	.0	120.5	.0	208.4
340.	.1	85.2	-10.0	.0	120.5	.0	208.4
345.	.1	90.2	-10.0	.0	120.5	.0	208.4
350.	.1	95.1	-10.0	.0	120.5	.0	208.4
355.	.1	100.0	-10.0	.0	120.5	.0	208.4
360.	.1	105.0	-10.0	.0	120.5	.0	208.4

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TEMPORARY SATELLITE EARTH STATION  
FREQUENCY COORDINATION DATA  
12/29/14

COMPANY NAME: SURE SHOT TELEPRODUCTIONS  
EARTH STATION LOCATION: ORLANDO, FL  
LATITUDE(DMS): 28 25 49.9  
LONGITUDE(DMS): 81 27 50.9  
SITE GROUND ELEVATION(FT. AMSL): 103.0  
ANTENNA CENTER LINE( FT) 8.0  
ANTENNA TYPE: AVL  
2.4 METER  
ANTENNA DIAMETER(METERS): 2.4  
6 GHZ ANTENNA GAIN(DBI): 42.0  
15 DB HALF BEAMWIDTH (DEG) 1.63  
OPERATING MODE: T/O  
TRANSMIT BAND(MHZ): 6025-6165;6305-6425  
EMISSION DESIGNATOR 36MOG1F  
MODULATION: DIGITAL  
MAX. AVAILABLE RF POWER(DBW/4KHZ): -15.54  
(DBW/36MHZ) : 24.00  
MAX. EIRP (DBW/4KHZ): 26.46  
(DBW/36MHZ) : 66.00  
MAX. PERMISSIBLE INTERFERENCE POWER  
6 GHZ 20%(DBW/4KHZ) -154.0  
6 GHZ 0.0025%(DBW/4KHZ) -131.0  
SATELLITE ARC (MIN/MAX) 70/144 DEG  
AZIMUTH 156.9/256.1 DEG  
ELEVATION 54.5/ 15.6 DEG  
RADIO CLIMATE A  
RAIN ZONE 1  
MAXIMUM GREAT CIRCLE COORDINATION DISTANCE(KM)  
6 GHZ 172.1  
PRECIPITATION SCATTER CONTOUR RADIUS(KM)  
6 GHZ 208.4  
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