



May 17, 2013

Re: Shell Communications, Inc
INGLESIDE, TX
Temporary Transmit-Only Earth Station
Operation Dates: 05/23/2013 - 11/23/2013
Job Number: 130517COMSGE01

Dear Frequency Coordinator:

On behalf of Shell Communications, Inc, we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency or frequencies as described in the attached data. Please do not report cases involving 4 GHz facilities or problems involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 05/17/2013
Job Number: <PCNJobCode>

Administrative Information

Status ENGINEER PROPOSAL
Call Sign <PCNCallSign>
Licensee Code S00876
Licensee Name Shell Communications, Inc

Site Information **INGLESIDE, TX**

Venue Name
Latitude (NAD 83) 27° 51' 15.8" N
Longitude (NAD 83) 97° 13' 53.6" W
Climate Zone B
Rain Zone 2
Ground Elevation (AMSL) 3.0 m / 9.8 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 60° W to 143° West Longitude
Azimuth Range 121.6° to 245.5°
Corresponding Elevation Angles 37.9° / 30.6°
Antenna Centerline (AGL) 48.77 m / 160.0 ft

Antenna Information **Transmit - FCC32**

Manufacturer SeaTel
Model 9797
Gain / Diameter 41.3 dBi / 2.4 m
3-dB / 15-dB Beamwidth 1.35° / 2.84°

Max Available RF Power (dBW/4 kHz) -14.7
(dBW/MHz) 9.3

Maximum EIRP (dBW/4 kHz) 26.6
(dBW/MHz) 50.6

Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
Short Term -131.0 dBW/4 kHz 0.0025%

Frequency Information **Transmit 6.1 GHz**

Emission / Frequency Range (MHz) 3M47G7W / 5925.0 – 6185.0
6345.0 – 6365.0

Max Great Circle Coordination Distance 163.6 km / 101.6 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values	INGLESIDE, TX	
Licensee Name	Shell Communications, Inc	
Latitude (NAD 83)	27° 51' 15.8" N	
Longitude (NAD 83)	97° 13' 53.6" W	
Ground Elevation (AMSL)	3.0 m / 9.8 ft	
Antenna Centerline (AGL)	48.77 m / 160.0 ft	
Antenna Model	SeaTel 2.4 Meter	
Antenna Mode	Transmit 6.1 GHz	
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-14.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	110.88	-10.00	143.35
5	0.00	110.68	-10.00	143.35
10	0.00	106.88	-10.00	143.35
15	0.00	103.02	-10.00	143.35
20	0.00	99.12	-10.00	143.35
25	0.00	95.19	-10.00	143.35
30	0.00	91.25	-10.00	143.35
35	0.00	87.31	-10.00	143.35
40	0.00	83.37	-10.00	143.35
45	0.00	79.45	-10.00	143.35
50	0.00	75.57	-10.00	143.35
55	0.00	71.72	-10.00	143.35
60	0.00	67.94	-10.00	143.35
65	0.00	64.24	-10.00	143.35
70	0.00	60.64	-10.00	143.35
75	0.00	57.16	-10.00	143.35
80	0.00	53.82	-10.00	143.35
85	0.00	50.68	-10.00	143.35
90	0.00	47.76	-9.98	143.44
95	0.00	45.11	-9.36	145.83
100	0.00	42.79	-8.78	148.10
105	0.00	40.86	-8.28	150.01
110	0.00	39.37	-7.88	151.66
115	0.00	38.37	-7.60	152.82
120	0.00	37.92	-7.47	153.36
125	0.00	38.02	-7.50	153.24
130	0.00	38.68	-7.69	152.46
135	0.00	39.86	-8.01	151.11
140	0.00	41.51	-8.46	149.30
145	0.00	43.60	-8.99	147.30
150	0.00	46.04	-9.58	144.97
155	0.00	48.80	-10.00	143.35
160	0.00	51.65	-10.00	143.35
165	0.00	54.07	-10.00	143.35
170	0.00	55.92	-10.00	143.35
175	0.00	57.08	-10.00	143.35
180	0.00	57.48	-10.00	143.35
185	0.00	57.08	-10.00	143.35

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Antenna Mode	Transmit 6.1 GHz	
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-14.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	55.92	-10.00	143.35
195	0.00	54.07	-10.00	143.35
200	0.00	51.65	-10.00	143.35
205	0.00	48.77	-10.00	143.35
210	0.00	45.53	-9.46	145.44
215	0.00	42.15	-8.62	148.63
220	0.00	39.05	-7.79	152.03
225	0.00	36.29	-6.99	155.39
230	0.00	33.97	-6.28	158.50
235	0.00	32.20	-5.70	161.09
240	0.00	31.05	-5.30	162.88
245	0.00	30.60	-5.14	163.59
250	0.00	30.89	-5.25	163.13
255	0.00	31.89	-5.59	161.56
260	0.00	33.54	-6.14	159.11
265	0.00	35.75	-6.83	156.09
270	0.00	38.42	-7.61	152.77
275	0.00	41.46	-8.44	149.36
280	0.00	44.79	-9.28	146.14
285	0.00	48.35	-10.00	143.35
290	0.00	52.10	-10.00	143.35
295	0.00	55.98	-10.00	143.35
300	0.00	59.98	-10.00	143.35
305	0.00	64.06	-10.00	143.35
310	0.00	68.22	-10.00	143.35
315	0.00	72.42	-10.00	143.35
320	0.00	76.67	-10.00	143.35
325	0.00	80.94	-10.00	143.35
330	0.00	85.23	-10.00	143.35
335	0.00	89.54	-10.00	143.35
340	0.00	93.84	-10.00	143.35
345	0.00	98.13	-10.00	143.35
350	0.00	102.41	-10.00	143.35
355	0.00	106.66	-10.00	143.35