



May 24, 2011

Re: HARRIS CORPORATION
HODGEN, OK (2.4 Meter)
Temporary Transmit-Only Earth Station
Operation Dates: 05/25/2011 - 11/25/2011
Job Number: 110524COMSGE01

Dear Frequency Coordinator:

On behalf of HARRIS CORPORATION, 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

A handwritten signature in black ink, appearing to read 'Gary K. Edwards'. The signature is written in a cursive style and is positioned above a horizontal line.

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 05/24/2011
Job Number: <PCNJobCode>

Administrative Information

Status TEMPORARY (Operation from 05/25/2011 to 11/25/2011)
Call Sign <PCNCallSign>
Licensee Code HARRCO
Licensee Name HARRIS CORPORATION

Site Information HODGEN, OK

Venue Name
Latitude (NAD 83) 34° 40' 49.4" N
Longitude (NAD 83) 94° 36' 32.4" W
Climate Zone A
Rain Zone 1
Ground Elevation (AMSL) 812.9 m / 2667.0 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 87° W to 87° West Longitude
Azimuth Range 166.8° to 166.8°
Corresponding Elevation Angles 48.9° / 48.9°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information Transmit - FCC32

Manufacturer Patriot
Model TXFLY-240
Gain / Diameter 42.4 dBi / 2.4 m
3-dB / 15-dB Beamwidth 0.50° / 1.00°

Max Available RF Power (dBW/4 kHz) -22.8
(dBW/MHz) 1.2

Maximum EIRP (dBW/4 kHz) 19.6
(dBW/MHz) 43.6

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) 77K0G7D / 5925.0 - 5978.0
77K0G7D / 6030.0 - 6425.0

Max Great Circle Coordination Distance 110.0 km / 68.3 mi
Precipitation Scatter Contour Radius 100.0 km / 62.1 mi

Coordination Values	HODGEN, OK	
Licensee Name	HARRIS CORPORATION	
Latitude (NAD 83)	34° 40' 49.4" N	
Longitude (NAD 83)	94° 36' 32.4" W	
Ground Elevation (AMSL)	812.9 m / 2667.0 ft	
Antenna Centerline (AGL)	3.66 m / 12.0 ft	
Antenna Model	Patriot 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	-22.8 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	129.80	-10.00	109.95
5	0.00	128.65	-10.00	109.95
10	0.00	127.18	-10.00	109.95
15	0.00	125.41	-10.00	109.95
20	0.00	123.37	-10.00	109.95
25	0.00	121.11	-10.00	109.95
30	0.00	118.63	-10.00	109.95
35	0.00	115.99	-10.00	109.95
40	0.00	113.19	-10.00	109.95
45	0.00	110.27	-10.00	109.95
50	0.00	107.24	-10.00	109.95
55	0.00	104.13	-10.00	109.95
60	0.00	100.95	-10.00	109.95
65	0.00	97.72	-10.00	109.95
70	0.00	94.46	-10.00	109.95
75	0.00	91.18	-10.00	109.95
80	0.00	87.89	-10.00	109.95
85	0.00	84.61	-10.00	109.95
90	0.00	81.36	-10.00	109.95
95	0.00	78.14	-10.00	109.95
100	0.00	74.98	-10.00	109.95
105	0.00	71.89	-10.00	109.95
110	0.00	68.89	-10.00	109.95
115	0.00	66.00	-10.00	109.95
120	0.00	63.25	-10.00	109.95
125	0.00	60.65	-10.00	109.95
130	0.00	58.23	-10.00	109.95
135	0.00	56.02	-10.00	109.95
140	0.00	54.06	-10.00	109.95
145	0.00	52.37	-10.00	109.95
150	0.00	50.99	-10.00	109.95
155	0.00	49.94	-10.00	109.95
160	0.00	49.24	-10.00	109.95
165	0.00	48.92	-10.00	109.95
170	0.00	48.97	-10.00	109.95
175	0.00	49.40	-10.00	109.95
180	0.00	50.20	-10.00	109.95
185	0.00	51.35	-10.00	109.95

Coordination Values	HODGEN, OK	
Licensee Name	HARRIS CORPORATION	
Latitude (NAD 83)	34° 40' 49.4" N	
Longitude (NAD 83)	94° 36' 32.4" W	
Ground Elevation (AMSL)	812.9 m / 2667.0 ft	
Antenna Centerline (AGL)	3.66 m / 12.0 ft	
Antenna Model	Patriot 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	-22.8 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	52.82	-10.00	109.95
195	0.00	54.59	-10.00	109.95
200	0.00	56.63	-10.00	109.95
205	0.00	58.89	-10.00	109.95
210	0.00	61.37	-10.00	109.95
215	0.00	64.01	-10.00	109.95
220	0.00	66.81	-10.00	109.95
225	0.00	69.73	-10.00	109.95
230	0.00	72.76	-10.00	109.95
235	0.00	75.87	-10.00	109.95
240	0.00	79.05	-10.00	109.95
245	0.00	82.28	-10.00	109.95
250	0.00	85.54	-10.00	109.95
255	0.00	88.82	-10.00	109.95
260	0.00	92.11	-10.00	109.95
265	0.00	95.39	-10.00	109.95
270	0.00	98.64	-10.00	109.95
275	0.00	101.86	-10.00	109.95
280	0.00	105.02	-10.00	109.95
285	0.00	108.11	-10.00	109.95
290	0.00	111.11	-10.00	109.95
295	0.00	114.00	-10.00	109.95
300	0.00	116.75	-10.00	109.95
305	0.00	119.35	-10.00	109.95
310	0.00	121.77	-10.00	109.95
315	0.00	123.98	-10.00	109.95
320	0.00	125.94	-10.00	109.95
325	0.00	127.63	-10.00	109.95
330	0.00	129.01	-10.00	109.95
335	0.00	130.06	-10.00	109.95
340	0.00	130.76	-10.00	109.95
345	0.00	131.08	-10.00	109.95
350	0.00	131.03	-10.00	109.95
355	0.00	130.60	-10.00	109.95