



**COMSEARCH**<sup>®</sup>

A CommScope Company

June 17, 2016

Re: ESPN Inc.  
BRISTOL, CT  
Call Sign: E070231  
C-Band Transmit-Receive Earth Station  
Previous Job Number: 160304COMSGE01  
Job Number: 160617COMSGE01

\*\*\*\*\* Revision Notice \*\*\*\*\*

Dear Frequency Coordinator:

This notice is being provided in accordance with Section 25.203(c) of the FCC Rules and Regulations. We are forwarding the attached revised coordination data on behalf of ESPN Inc. for modifications to their existing C-Band Transmit-Receive Earth Station in BRISTOL, CT.

The coordination notice involves a reduction in transmit power all other operating parameters remain unchanged. Please update your database with the attached information.

Since this is a minor revision based on the transmit power reduction, all previously reported cases would be cleared at the new power level, no response to this notice is requested.

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: 06/17/2016  
Job Number: <PCNJobCode>

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**Administrative Information**

Status ENGINEER PROPOSAL  
Call Sign <PCNCallSign>  
Licensee Code ESPN  
Licensee Name ESPN Inc.

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**Site Information**

**BRISTOL, CT**  
Venue Name  
Latitude (NAD 83) 41° 38' 51.6" N  
Longitude (NAD 83) 72° 53' 51.6" W  
Climate Zone A  
Rain Zone 2  
Ground Elevation (AMSL) 89.0 m / 292.0 ft

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**Link Information**

Satellite Type Geostationary  
Mode TR - Transmit-Receive  
Modulation Digital  
Satellite Arc 12° W to 140° West Longitude  
Azimuth Range 110.3° to 254.3°  
Corresponding Elevation Angles 12.8° / 8.3°  
Antenna Centerline (AGL) 5.49 m / 18.0 ft

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**Antenna Information**

		Receive - FCC32	Transmit - FCC32	
Manufacturer		ViaSat	ViaSat	
Model		8060	8060	
Gain / Diameter		46.0 dBi / 6.1 m	49.8 dBi / 6.1 m	
3-dB / 15-dB Beamwidth		0.86° / 1.72°	0.56° / 1.12°	
Max Available RF Power	(dBW/4 kHz)		-13.4	
	(dBW/MHz)		10.6	
Maximum EIRP	(dBW/4 kHz)		36.4	
	(dBW/MHz)		60.4	
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz
	20%			
	Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz
	0.0025%			

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**Frequency Information**

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	36M0F8W - 54M0G7F / 3700.0 - 4200.0	36M0F8W - 54M0G7F / 5925.0 - 6425.0
Max Great Circle Coordination Distance	445.3 km / 276.7 mi	176.3 km / 109.5 mi
Precipitation Scatter Contour Radius	561.0 km / 348.6 mi	100.0 km / 62.1 mi

<b>Coordination Values</b>		<b>BRISTOL, CT</b>			
Licensee Name		ESPN Inc.			
Latitude (NAD 83)		41° 38' 51.6" N			
Longitude (NAD 83)		72° 53' 51.6" W			
Ground Elevation (AMSL)		89.0 m / 292.0 ft			
Antenna Centerline (AGL)		5.49 m / 18.0 ft			
Antenna Model		ViaSat 6.1 Meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	
	0.0025%				
Max Available RF Power		-13.4 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	105.51	-10.00	285.28	-10.00	133.32
5	0.27	104.93	-10.00	276.35	-10.00	128.69
10	0.44	100.06	-10.00	256.11	-10.00	114.87
15	0.63	95.18	-10.00	241.30	-10.00	104.30
20	0.52	90.30	-10.00	248.51	-10.00	109.56
25	0.34	85.41	-10.00	267.83	-10.00	122.96
30	0.50	80.53	-10.00	249.71	-10.00	110.42
35	0.61	75.64	-10.00	242.49	-10.00	105.18
40	0.71	70.76	-10.00	236.54	-10.00	100.75
45	0.83	65.88	-10.00	229.36	-10.00	100.00
50	1.11	60.98	-10.00	216.75	-10.00	100.00
55	1.44	56.08	-10.00	207.29	-10.00	100.00
60	1.62	51.20	-10.00	204.73	-10.00	100.00
65	1.82	46.34	-9.65	200.88	-9.65	100.00
70	2.05	41.48	-8.45	200.68	-8.45	100.00
75	2.20	36.67	-7.11	203.60	-7.11	100.00
80	2.36	31.90	-5.59	204.84	-5.59	100.00
85	2.58	27.17	-3.85	208.68	-3.85	100.00
90	2.80	22.55	-1.83	214.27	-1.83	100.00
95	2.95	18.15	0.53	224.18	0.53	100.00
100	3.16	14.09	3.28	236.49	3.28	100.00
105	3.37	10.84	6.13	251.65	6.13	100.00
110	3.32	9.52	7.54	263.65	7.54	100.00
115	3.23	10.68	6.29	256.33	6.29	100.00
120	2.90	13.85	3.47	244.59	3.47	100.00
125	2.64	17.39	0.99	234.75	0.99	100.00
130	2.30	20.89	-1.00	230.88	-1.00	100.00
135	2.02	24.20	-2.60	228.57	-2.60	100.00
140	1.77	27.33	-3.92	228.58	-3.92	100.00
145	1.58	30.22	-5.01	228.56	-5.01	100.00
150	1.38	32.88	-5.92	229.84	-5.92	100.00
155	1.29	35.17	-6.65	228.55	-6.65	100.00
160	1.00	37.32	-7.30	234.98	-7.30	100.00
165	0.75	39.08	-7.80	246.51	-7.80	104.66
170	0.67	40.30	-8.13	250.10	-8.13	107.70
175	0.45	41.21	-8.37	265.33	-8.37	118.78
180	0.00	41.89	-8.55	294.65	-8.55	137.37
185	0.21	41.44	-8.44	294.22	-8.44	136.90

<b>Coordination Values</b>		<b>BRISTOL, CT</b>			
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Ground Elevation (AMSL)		89.0 m / 292.0 ft			
Antenna Centerline (AGL)		5.49 m / 18.0 ft			
Antenna Model		ViaSat 6.1 Meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	
	0.0025%				
Max Available RF Power		-13.4 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	40.94	-8.30	296.29	-8.30	138.09
195	0.00	39.79	-7.99	298.36	-7.99	139.01
200	0.00	38.23	-7.56	301.28	-7.56	140.30
205	0.46	35.89	-6.88	273.34	-6.88	121.83
210	1.25	32.99	-5.96	234.00	-5.96	100.00
215	1.60	30.20	-5.00	227.82	-5.00	100.00
220	1.96	27.19	-3.86	223.25	-3.86	100.00
225	2.06	24.18	-2.58	227.77	-2.58	100.00
230	2.44	20.79	-0.94	227.84	-0.94	100.00
235	2.42	17.56	0.89	239.88	0.89	100.00
240	2.84	13.90	3.43	245.92	3.43	100.00
245	3.07	10.27	6.71	263.89	6.71	100.00
250	3.35	6.56	11.57	295.50	11.57	103.39
255	2.77	5.57	13.36	445.31	13.36	176.28
260	2.84	7.87	9.60	294.06	9.60	105.43
265	2.73	12.03	4.99	260.26	4.99	100.00
270	3.00	16.53	1.54	229.28	1.54	100.00
275	3.06	21.31	-1.21	211.93	-1.21	100.00
280	2.90	26.20	-3.46	206.12	-3.46	100.00
285	2.62	31.15	-5.34	202.90	-5.34	100.00
290	2.11	36.14	-6.95	206.30	-6.95	100.00
295	1.27	41.18	-8.37	220.13	-8.37	100.00
300	0.80	46.16	-9.61	233.53	-9.61	100.00
305	0.86	51.07	-10.00	227.77	-10.00	100.00
310	0.79	56.02	-10.00	231.94	-10.00	100.00
315	0.67	60.97	-10.00	239.29	-10.00	102.82
320	0.72	65.91	-10.00	236.21	-10.00	100.50
325	0.89	70.85	-10.00	226.08	-10.00	100.00
330	0.68	75.81	-10.00	238.66	-10.00	102.34
335	0.32	80.77	-10.00	270.73	-10.00	124.93
340	0.00	85.73	-10.00	285.28	-10.00	133.32
345	0.00	90.67	-10.00	285.28	-10.00	133.32
350	0.00	95.62	-10.00	285.28	-10.00	133.32
355	0.00	100.57	-10.00	285.28	-10.00	133.32