

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of D.T.V. LLC, licensee of Class A digital television station WIRE-CD, Channel 33 in Atlanta, Georgia, in support of its Application for Construction Permit to specify an increase in effective radiated power to 15 kW. No change in site location, antenna make/model, antenna azimuth pattern or antenna height is proposed herein.

It is proposed to utilize the licensed Dielectric directional slotted cylinder antenna, which is mounted at the 244-meter level of the existing 329-meter WIRE-CD tower. Exhibit B is a map upon which the predicted 51 dBu service contour is plotted.

Azimuth and elevation pattern information for the licensed Dielectric antenna appears in Exhibit C. Exhibit D contains the summary results from a TVStudy interference study, which was conducted using a cell size of 1.0 kilometer and increment spacing of 1.0 kilometer. It concludes that the proposed WIRE-CD facility meets the Commission's de minimis interference criteria to all co-channel and adjacent-channel post-repack full-power, Class A, and LPTV facilities. A detailed power density calculation is provided in Exhibit E.

Since no change in the overall height or location of the existing WIRE-DT tower is proposed herein, the Federal Aviation Administration has not been notified of this application. In addition, the Federal Communications Commission issued Antenna Structure Registration Number 1206253 to this tower.

EXHIBIT A

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read "K. T. Fisher". The signature is stylized with a large "K", a small "T", and a long horizontal stroke at the end.

KEVIN T. FISHER

November 18, 2020

CONTOUR POPULATION
2018 U.S. CENSUS DATA
4,487,015 (1,769,082 HH)

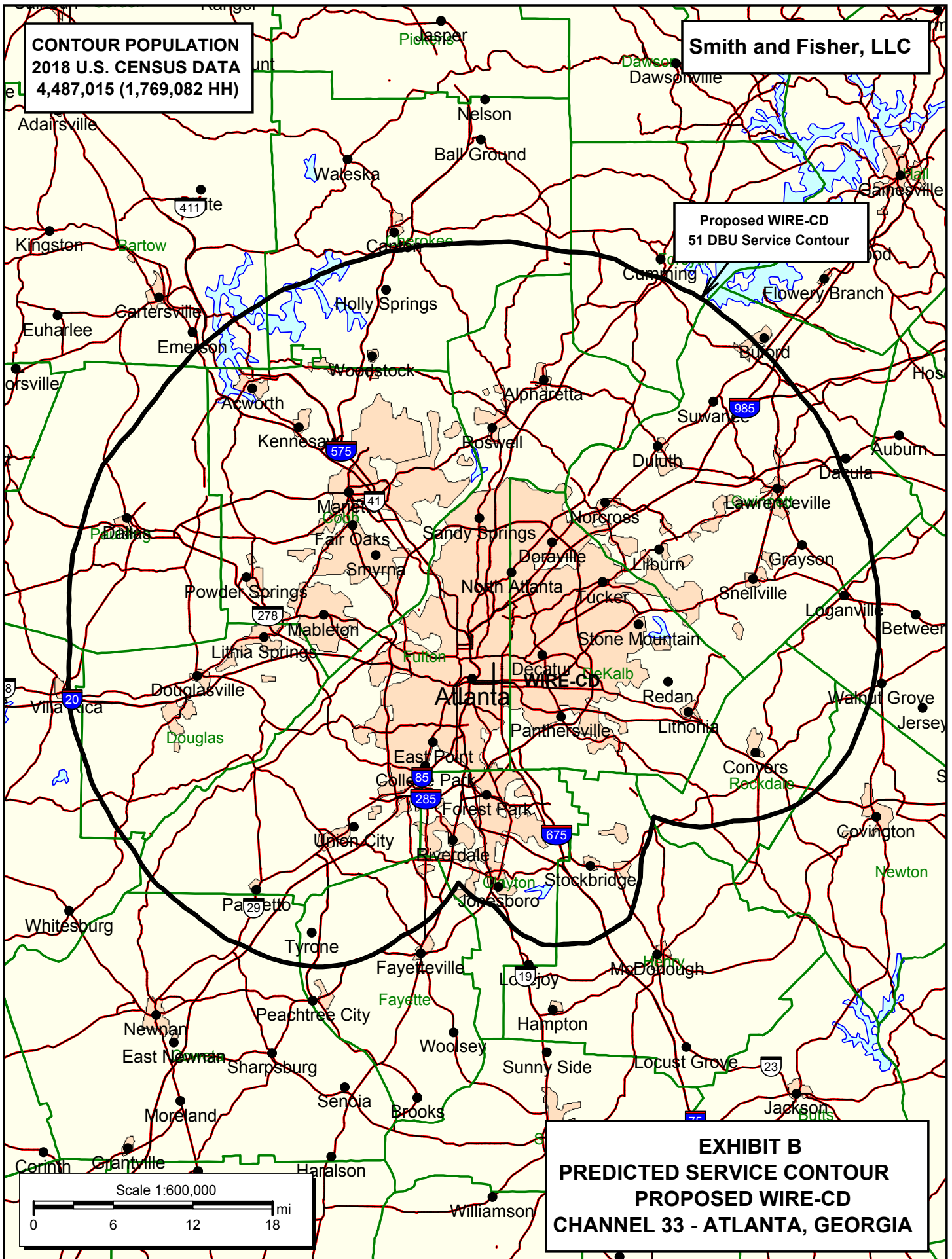
Smith and Fisher, LLC

Proposed WIRE-CD
51 DBU Service Contour

EXHIBIT B
PREDICTED SERVICE CONTOUR
PROPOSED WIRE-CD
CHANNEL 33 - ATLANTA, GEORGIA

Scale 1:600,000

0 6 12 18 mi





Antenna Model: **TFU-14EST/VP-R 3C190**

Proposal Number: **C-71284**
Date: **12-Mar-19**
Customer: **D.T.V. LLC**
Location: **Atlanta, GA**

Electrical Specifications

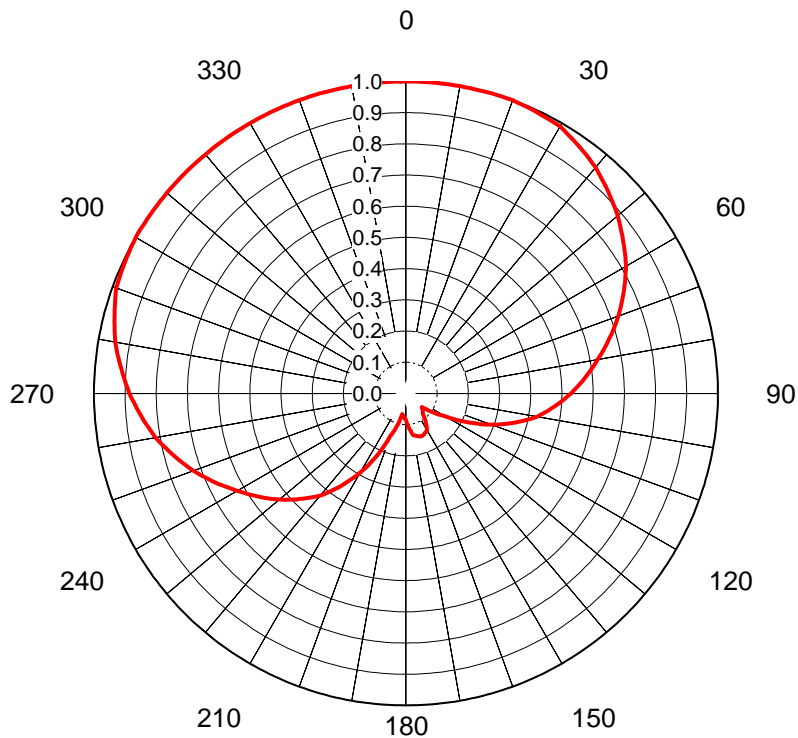
Polarization: **Elliptical**
Azimuth Pattern: **Directional**
Antenna Input: **3-1/8"** **50 Ohm** **EIA/DCA**
VSWR: **Channel** **1.08 : 1**
Bandwidth: **6 MHz**
Rated Input Power: **10 kW** **(10.00 dBk)** **Maximum Average Power**

Mechanical Specifications

Mounting: **Side Mounted**
Environmental Protection: **Full Radome**
Height: **28.6 ft (8.7m)**
Weight: **1500 lb (0.7t)** **Excludes Mounts**
Effective Projected Area: **22.5 ft² (2.1m²)** **TIA-222-G** **Basic Wind Speed: 90 m/h (144.8 km/h)**

Channel Specifications

Call	CH	Freq	Hpol ERP	Vpol ERP	TPO	Peak Main Lobe Hpol Gain	Peak Main Lobe Vpol Gain	Peak at Horizontal Hpol Gain	Peak at Horizontal Vpol Gain
WIRE	33	587 MHz	13.0 kW (11.14 dBk)	5.57 kW (7.46 dBk)	1.45 kW (1.61 dBk)	18.80 (12.74dB)	8.06 (9.06dB)	12.00 (10.79dB)	5.14 (7.11dB)



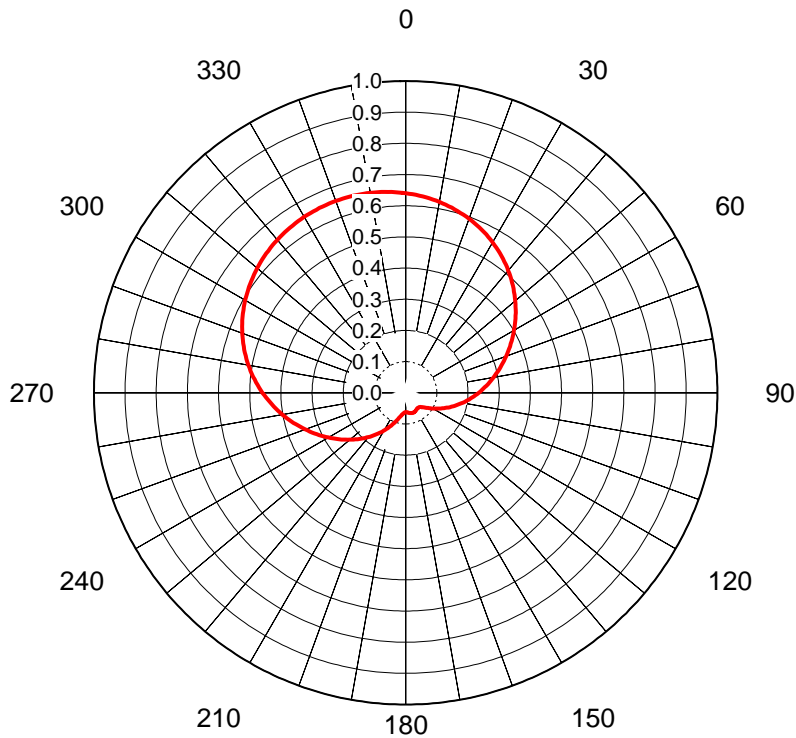
AZIMUTH PATTERN Horizontal Polarization

In Free Space

Proposal No. **C-71284**
 Date **12-Mar-19**
 Call Letters **WIRE**
 Channel **33**
 Frequency **587 MHz**
 Antenna Type **TFU-14EST/VP-R 3C190**
 Gain **1.93 (2.85dB)**
 Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	1.000	36	0.963	72	0.705	108	0.320	144	0.105	180	0.085	216	0.374	252	0.743	288	0.980
1	1.000	37	0.959	73	0.695	109	0.306	145	0.111	181	0.083	217	0.387	253	0.752	289	0.984
2	1.000	38	0.954	74	0.685	110	0.293	146	0.116	182	0.081	218	0.401	254	0.761	290	0.988
3	1.000	39	0.950	75	0.674	111	0.278	147	0.121	183	0.080	219	0.414	255	0.770	291	0.989
4	1.000	40	0.946	76	0.664	112	0.264	148	0.126	184	0.078	220	0.428	256	0.779	292	0.990
5	1.000	41	0.940	77	0.654	113	0.249	149	0.131	185	0.076	221	0.438	257	0.788	293	0.992
6	1.000	42	0.934	78	0.644	114	0.234	150	0.136	186	0.074	222	0.448	258	0.797	294	0.993
7	1.000	43	0.928	79	0.634	115	0.220	151	0.137	187	0.072	223	0.458	259	0.806	295	0.994
8	1.000	44	0.922	80	0.624	116	0.205	152	0.138	188	0.071	224	0.468	260	0.815	296	0.995
9	1.000	45	0.916	81	0.614	117	0.190	153	0.139	189	0.069	225	0.479	261	0.822	297	0.996
10	1.000	46	0.910	82	0.605	118	0.175	154	0.140	190	0.067	226	0.489	262	0.829	298	0.998
11	1.000	47	0.904	83	0.595	119	0.161	155	0.141	191	0.075	227	0.499	263	0.836	299	0.999
12	1.000	48	0.898	84	0.586	120	0.146	156	0.143	192	0.083	228	0.509	264	0.843	300	1.000
13	1.000	49	0.892	85	0.576	121	0.138	157	0.144	193	0.091	229	0.519	265	0.850	301	1.000
14	1.000	50	0.886	86	0.567	122	0.130	158	0.145	194	0.099	230	0.529	266	0.858	302	1.000
15	1.000	51	0.879	87	0.558	123	0.122	159	0.146	195	0.106	231	0.539	267	0.865	303	1.000
16	1.000	52	0.872	88	0.548	124	0.114	160	0.147	196	0.114	232	0.548	268	0.872	304	1.000
17	1.000	53	0.865	89	0.539	125	0.106	161	0.146	197	0.122	233	0.558	269	0.879	305	1.000
18	1.000	54	0.858	90	0.529	126	0.099	162	0.145	198	0.130	234	0.567	270	0.886	306	1.000
19	1.000	55	0.850	91	0.519	127	0.091	163	0.144	199	0.138	235	0.576	271	0.892	307	1.000
20	1.000	56	0.843	92	0.509	128	0.083	164	0.143	200	0.146	236	0.586	272	0.898	308	1.000
21	0.999	57	0.836	93	0.499	129	0.075	165	0.141	201	0.161	237	0.595	273	0.904	309	1.000
22	0.998	58	0.829	94	0.489	130	0.067	166	0.140	202	0.175	238	0.605	274	0.910	310	1.000
23	0.996	59	0.822	95	0.479	131	0.069	167	0.139	203	0.190	239	0.614	275	0.916	311	1.000
24	0.995	60	0.815	96	0.468	132	0.071	168	0.138	204	0.205	240	0.624	276	0.922	312	1.000
25	0.994	61	0.806	97	0.458	133	0.072	169	0.137	205	0.220	241	0.634	277	0.928	313	1.000
26	0.993	62	0.797	98	0.448	134	0.074	170	0.136	206	0.234	242	0.644	278	0.934	314	1.000
27	0.992	63	0.788	99	0.438	135	0.076	171	0.131	207	0.249	243	0.654	279	0.940	315	1.000
28	0.990	64	0.779	100	0.428	136	0.078	172	0.126	208	0.264	244	0.664	280	0.946	316	1.000
29	0.989	65	0.770	101	0.414	137	0.080	173	0.121	209	0.278	245	0.674	281	0.950	317	1.000
30	0.988	66	0.761	102	0.401	138	0.081	174	0.116	210	0.293	246	0.685	282	0.954	318	1.000
31	0.984	67	0.752	103	0.387	139	0.083	175	0.111	211	0.306	247	0.695	283	0.959	319	1.000
32	0.980	68	0.743	104	0.374	140	0.085	176	0.105	212	0.320	248	0.705	284	0.963	320	1.000
33	0.975	69	0.734	105	0.361	141	0.090	177	0.100	213	0.333	249	0.715	285	0.967	321	1.000
34	0.971	70	0.725	106	0.347	142	0.095	178	0.095	214	0.347	250	0.725	286	0.971	322	1.000
35	0.967	71	0.715	107	0.333	143	0.100	179	0.090	215	0.361	251	0.734	287	0.975	323	1.000

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AZIMUTH PATTERN Vertical Polarization

In Free Space

Proposal No. **C-71284**
Date **12-Mar-19**
Call Letters **WIRE**
Channel **33**
Frequency **587 MHz**
Antenna Type **TFU-14EST/VP-R 3C190**
Gain **2.51 (4.01dB)**
Calculated

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.640	36	0.531	72	0.332	108	0.149	144	0.063	180	0.062	216	0.167	252	0.355	288	0.549
1	0.639	37	0.527	73	0.326	109	0.145	145	0.063	181	0.062	217	0.172	253	0.361	289	0.553
2	0.637	38	0.522	74	0.320	110	0.140	146	0.064	182	0.063	218	0.176	254	0.366	290	0.558
3	0.636	39	0.517	75	0.315	111	0.136	147	0.064	183	0.063	219	0.181	255	0.372	291	0.562
4	0.634	40	0.512	76	0.309	112	0.132	148	0.065	184	0.064	220	0.185	256	0.378	292	0.566
5	0.632	41	0.507	77	0.303	113	0.128	149	0.065	185	0.065	221	0.190	257	0.384	293	0.570
6	0.630	42	0.502	78	0.298	114	0.124	150	0.066	186	0.066	222	0.195	258	0.390	294	0.573
7	0.628	43	0.497	79	0.292	115	0.120	151	0.066	187	0.067	223	0.200	259	0.396	295	0.577
8	0.626	44	0.492	80	0.287	116	0.116	152	0.066	188	0.069	224	0.204	260	0.402	296	0.581
9	0.624	45	0.486	81	0.281	117	0.112	153	0.067	189	0.070	225	0.209	261	0.407	297	0.584
10	0.622	46	0.481	82	0.276	118	0.108	154	0.067	190	0.072	226	0.214	262	0.413	298	0.588
11	0.619	47	0.476	83	0.271	119	0.104	155	0.068	191	0.074	227	0.219	263	0.419	299	0.591
12	0.617	48	0.470	84	0.265	120	0.101	156	0.068	192	0.077	228	0.224	264	0.425	300	0.594
13	0.614	49	0.465	85	0.260	121	0.097	157	0.068	193	0.079	229	0.229	265	0.431	301	0.597
14	0.612	50	0.459	86	0.255	122	0.094	158	0.068	194	0.082	230	0.234	266	0.436	302	0.600
15	0.609	51	0.453	87	0.250	123	0.091	159	0.068	195	0.085	231	0.239	267	0.442	303	0.603
16	0.606	52	0.448	88	0.244	124	0.088	160	0.068	196	0.088	232	0.244	268	0.448	304	0.606
17	0.603	53	0.442	89	0.239	125	0.085	161	0.068	197	0.091	233	0.250	269	0.453	305	0.609
18	0.600	54	0.436	90	0.234	126	0.082	162	0.068	198	0.094	234	0.255	270	0.459	306	0.612
19	0.597	55	0.431	91	0.229	127	0.079	163	0.068	199	0.097	235	0.260	271	0.465	307	0.614
20	0.594	56	0.425	92	0.224	128	0.077	164	0.068	200	0.101	236	0.265	272	0.470	308	0.617
21	0.591	57	0.419	93	0.219	129	0.074	165	0.068	201	0.104	237	0.271	273	0.476	309	0.619
22	0.588	58	0.413	94	0.214	130	0.072	166	0.067	202	0.108	238	0.276	274	0.481	310	0.622
23	0.584	59	0.407	95	0.209	131	0.070	167	0.067	203	0.112	239	0.281	275	0.486	311	0.624
24	0.581	60	0.402	96	0.204	132	0.069	168	0.066	204	0.116	240	0.287	276	0.492	312	0.626
25	0.577	61	0.396	97	0.200	133	0.067	169	0.066	205	0.120	241	0.292	277	0.497	313	0.628
26	0.573	62	0.390	98	0.195	134	0.066	170	0.066	206	0.124	242	0.298	278	0.502	314	0.630
27	0.570	63	0.384	99	0.190	135	0.065	171	0.065	207	0.128	243	0.303	279	0.507	315	0.632
28	0.566	64	0.378	100	0.185	136	0.064	172	0.065	208	0.132	244	0.309	280	0.512	316	0.634
29	0.562	65	0.372	101	0.181	137	0.063	173	0.064	209	0.136	245	0.315	281	0.517	317	0.636
30	0.558	66	0.366	102	0.176	138	0.063	174	0.064	210	0.140	246	0.320	282	0.522	318	0.637
31	0.553	67	0.361	103	0.172	139	0.062	175	0.063	211	0.145	247	0.326	283	0.527	319	0.639
32	0.549	68	0.355	104	0.167	140	0.062	176	0.063	212	0.149	248	0.332	284	0.531	320	0.640
33	0.545	69	0.349	105	0.162	141	0.062	177	0.063	213	0.153	249	0.337	285	0.536	321	0.642
34	0.540	70	0.343	106	0.158	142	0.062	178	0.062	214	0.158	250	0.343	286	0.540	322	0.643
35	0.536	71	0.337	107	0.153	143	0.063	179	0.062	215	0.162	251	0.349	287	0.545	323	0.644

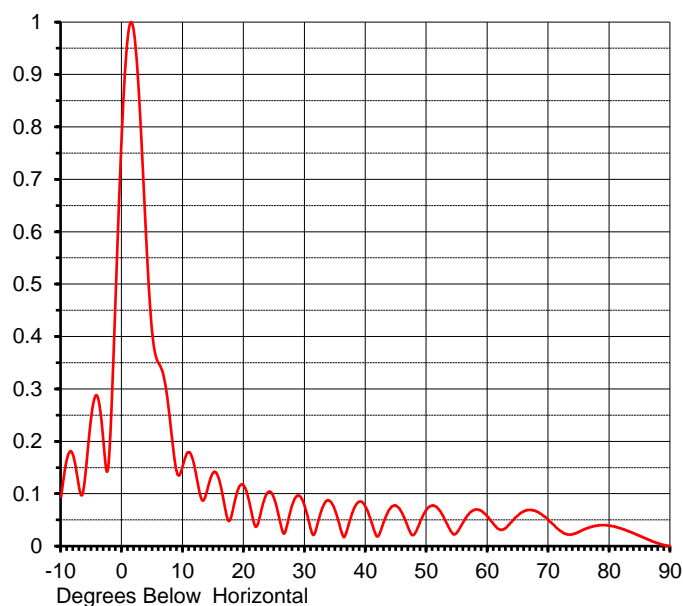
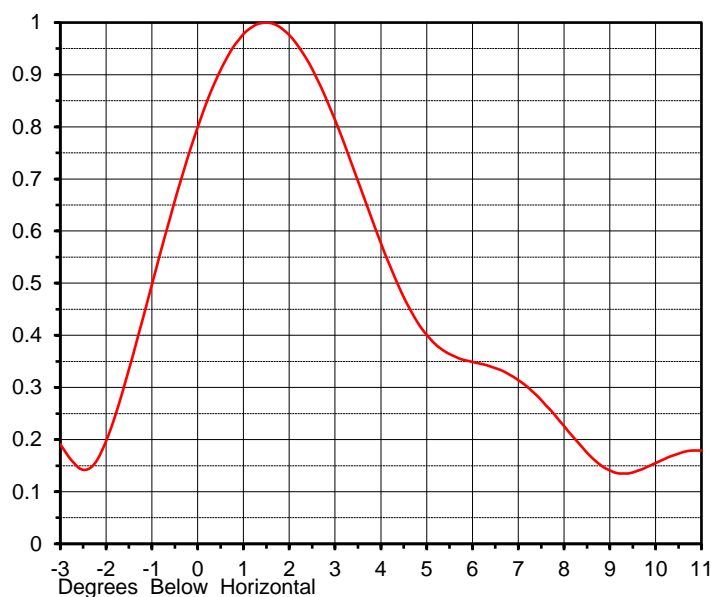
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ELEVATION PATTERN

Proposal No. **C-71284**
 Date **12-Mar-19**
 Call Letters **WIRE**
 Channel **33**
 Frequency **587 MHz**
 Antenna Type **TFU-14EST/VP-R 3C190**

RMS Directivity at Main Lobe **13.0 (11.12 dB)**
 RMS Directivity at Horizontal **8.3 (9.19 dB)**
Calculated

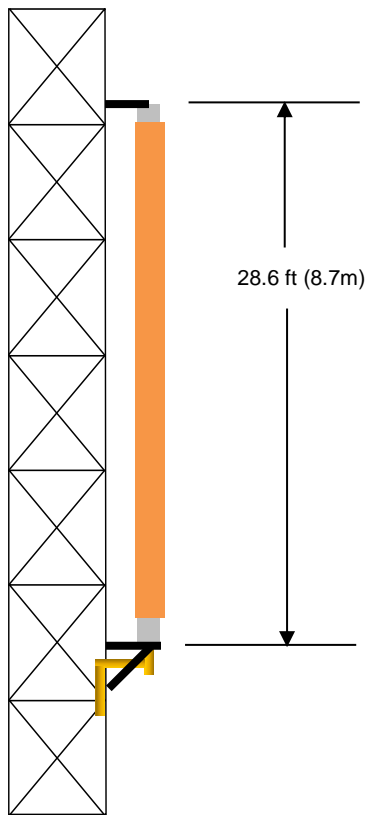
Beam Tilt **1.50 deg**
 Pattern Number **14E130150**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.094	10.0	0.155	30.0	0.075	50.0	0.070	70.0	0.049
-9.0	0.168	11.0	0.179	31.0	0.031	51.0	0.078	71.0	0.039
-8.0	0.172	12.0	0.145	32.0	0.039	52.0	0.070	72.0	0.029
-7.0	0.108	13.0	0.091	33.0	0.076	53.0	0.050	73.0	0.023
-6.0	0.140	14.0	0.108	34.0	0.087	54.0	0.028	74.0	0.023
-5.0	0.252	15.0	0.141	35.0	0.067	55.0	0.027	75.0	0.027
-4.0	0.284	16.0	0.124	36.0	0.027	56.0	0.046	76.0	0.033
-3.0	0.191	17.0	0.067	37.0	0.034	57.0	0.063	77.0	0.037
-2.0	0.197	18.0	0.060	38.0	0.070	58.0	0.070	78.0	0.039
-1.0	0.497	19.0	0.107	39.0	0.085	59.0	0.067	79.0	0.040
0.0	0.799	20.0	0.115	40.0	0.074	60.0	0.056	80.0	0.039
1.0	0.978	21.0	0.077	41.0	0.043	61.0	0.042	81.0	0.037
2.0	0.976	22.0	0.037	42.0	0.019	62.0	0.032	82.0	0.033
3.0	0.813	23.0	0.075	43.0	0.048	63.0	0.035	83.0	0.029
4.0	0.577	24.0	0.103	44.0	0.072	64.0	0.047	84.0	0.024
5.0	0.401	25.0	0.089	45.0	0.077	65.0	0.059	85.0	0.019
6.0	0.349	26.0	0.043	46.0	0.062	66.0	0.067	86.0	0.014
7.0	0.314	27.0	0.037	47.0	0.034	67.0	0.069	87.0	0.009
8.0	0.226	28.0	0.081	48.0	0.023	68.0	0.066	88.0	0.005
9.0	0.141	29.0	0.096	49.0	0.049	69.0	0.059	89.0	0.002
								90.0	0.000

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MECHANICAL SPECIFICATIONS



Proposal No. **C-71284**
 Date **12-Mar-19**
 Call Letters **WIRE**
 Channel **33**
 Frequency **587 MHz**
 Antenna Type **TFU-14EST/VP-R 3C190**

Preliminary Specifications

Side Mounted

With ice TIA-222-G

Height AGL(z) 768 ft (234.1 m)
 Basic Wind Speed 90 m/h (144.8 km/h)

Structure Class II
 Exposure Category B
 Topography Category 1

Design Ice 0.75 in $t_{iz} = 2.05$ in
 Wind Speed w/Ice 30 m/h (48.3 km/h)

Mechanical Specifications

		without ice	with ice	
Height	H2	28.6 ft (8.7m)		
Height of Center of Radiation	H3	14.3 ft (4.4m)		
Effective Projected Area	(EPA) _A	22.5 ft ² (2.1m ²)	48.7 ft ² (4.5m ²)	Mounts Excluded
Weight	W	1500 lb (0.7t)	3100 lb (1.4t)	Mounts Excluded

Antenna designed in accordance with AISC specifications for design of structural steel as prescribed by TIA-222-G

Prepared by: JBC

Date: 12-Mar-19

ME:

EE:

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Summary

Proposal No.	C-71284
Date	12-Mar-19
Call Letters	WIRE
Channel	33
Frequency	587 MHz
Antenna Type	TFU-14EST/VP-R 3C190

Antenna

	Hpol		Vpol	
ERP:	13.0 kW	(11.14 dBk)	5.57 kW	(7.46 dBk)
Peak Gain*	18.80	(12.74 dB)	8.06	(9.06 dB)

Antenna Input Power	0.691 kW	-(1.60 dBk)
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Transmission Line

Type:	Flexline Air	Attenuation:	(3.21 dB)
Size:	3"	Efficiency:	47.8%
Impedance:	50 Ohm		
Length:	800 ft	243.8 m	

Transmitter Output

1.45 kW	(1.61 dBk)
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Transmitter filter losses not included

* Directivity and Gain are with respect to half wave dipole. The gain includes feed system losses

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TVSTUDY INTERFERENCE ANALYSIS RESULTS
PROPOSED WIRE-CD
CHANNEL 33 – ATLANTA, GEORGIA

Study created: 2020.11.18 11:56:40

Study build station data: LMS TV 2020-11-16

Proposal: WIRE-CD D33 DC LIC ATLANTA, GA

File number: BLANK0000098761

Facility ID: 55108

Station data: User record

Record ID: 930

Country: U.S.

Build options:

Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WANX-LP	N19+	TX	LIC	COLUMBUS, GA	BLTTL20070813AAT	161.5 km
No	WTBS-LP	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	3.1
No	WAXC-LD	D32	LD	CP	ALEXANDER CITY, AL	BDISDTL20120831ABQ	171.7
No	W50BO	D32+	LD	CP	ASHVILLE, AL	BLANK0000054790	171.3
Yes	WSB-TV	D32	LD	CP	ATLANTA, GA	BLANK0000054733	57.1
Yes	WSB-TV	D32	LD	CP	ATLANTA, GA	BLANK0000054736	62.7
Yes	WSB-TV	D32	DT	LIC	ATLANTA, GA	BLANK0000104824	2.2
No	W11DD-D	D32	LD	CP	HARTWELL & ROYSTON, GA	BLANK0000053811	145.4
No	W32FN-D	D32	LD	CP	MACON, GA	BLANK0000071800	132.0
Yes	WPXH-TV	D33	DT	LIC	HOOVER, AL	BLANK0000105366	228.2
No	WFRZ-LD	D33	LD	LIC	MONTGOMERY, AL	BLANK0000081666	226.9
No	WDFX-TV	D33	DT	CP	OZARK, AL	BLANK0000035653	305.5
No	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	305.5
No	W33DJ-D	D33	LD	CP	DESTIN, FL	BLANK0000071526	410.2
No	W33EN-D	D33	LD	CP	MADISON, FL	BNPDTL20090825AHE	377.0
No	WPCT	D33	DT	LIC	PANAMA CITY BEACH, FL	BLANK0000062892	418.1
No	WNXG-LD	D33	LD	CP	TALLAHASSEE, FL	BLANK0000121117	352.7
No	W33EO-D	D33	LD	CP	TALLAHASSEE, FL	BNPDTL20090825ALP	361.6

SMITH AND FISHER

No	W33DK-D	D33	LD CP	ADEL, GA	BNPDTL20100510ABL	316.5
No	WMEL-LD	D33	LD CP	AUGUSTA, GA	BLANK0000074331	206.6
No	W33DU-D	D33	LD CP	COLUMBUS, GA	BLANK0000013297	163.2
Yes	WJCN-LD	D33	LD LIC	LAGRANGE, GA	BLDTL20130411AAA	99.2
Yes	WGNM	D33	DT LIC	MACON, GA	BLANK0000113679	132.0
No	WDID-LD	D33	LD LIC	SAVANNAH, GA	BLANK0000106516	337.7
No	W33DY-D	D33	LD CP	SOPERTON, GA	BNPDTL20100510AHG	231.1
No	WKHA	D33	DT LIC	HAZARD, KY	BLANK0000075043	397.7
No	W33EH-D	D33	LD LIC	BLACK MOUNTAIN, NC	BLANK0000082269	271.5
No	WUNL-TV	D33	DT LIC	WINSTON-SALEM, NC	BLANK0000121301	465.9
No	WRLK-TV	D33	DT LIC	COLUMBIA, SC	BLANK0000111852	318.4
Yes	WNGS-LD	D33	LD LIC	GREENVILLE, SC	BLANK0000059653	222.8
No	WPDP-CD	D33-	DC LIC	CLEVELAND, TN	BLANK0000081661	156.4
No	WPGD-TV	D33	DT LIC	HENDERSONVILLE, TN	BMLCDT20131125BGF	357.5
No	WKXT-LD	D33	LD CP	Knoxville, TN	BLANK0000108601	252.9
No	W30DF-D	D33	LD CP	OLIVE HILL, TN	BDISDTL20131219GLJ	375.8
No	W34EY-D	D34	DC LIC	HUNTSVILLE, AL	BLANK0000069366	228.1
No	WHVD-LD	D34	LD LIC	HUNTSVILLE, AL	BLDTL20121213AIM	228.1
No	WBIH	D34	DT LIC	SELMA, AL	BLANK0000110807	267.0
Yes	WATC-DT	D34	DT LIC	ATLANTA, GA	BLANK0000107129	36.8
No	W34FS-D	D34z	LD LIC	COLUMBUS, GA	BLANK0000115071	175.9
No	W34FS-D	D34z	LD CP	COLUMBUS, GA	BLANK0000116354	149.8
No	WSST-TV	D34	DT LIC	CORDELE, GA	BLANK0000064103	212.2
No	W34EN-D	D34	LD CP	DALTON, GA	BDCCDTL20110721AAJ	133.5
No	W34FT-D	D34	LD CP	WASHINGTON, GA	BNPDTL20090825BXG	147.8
No	WVLT-TV	D34	DT LIC	KNOXVILLE, TN	BLANK0000081956	252.9

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D33

Mask: Stringent

Latitude: 33 44 40.90 N (NAD83)

Longitude: 84 21 35.70 W

Height AMSL: 539.4 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Dielectric-TFU-14EST/VP-R 3C190 (ID 1006263) 340.0 deg

Elev Pattn: Generic

Elec Tilt: 1.50

50.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	262.2 m	53.8 km
45.0	12.6	238.7	51.6
90.0	4.20	251.8	46.6
135.0	0.087	281.0	27.4
180.0	0.108	260.2	27.7
225.0	3.43	240.3	44.9
270.0	11.8	252.7	52.0
315.0	15.0	269.6	54.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 257 m

Distance to Canadian border: 893.9 km

Distance to Mexican border: 1485.5 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 291.4 degrees Distance: 36.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 297.0 degrees Distance: 1978.7 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

No IX check failures found.

POWER DENSITY CALCULATION

PROPOSED WIRE-CD
CHANNEL 33 – ATLANTA, GEORGIA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Atlanta facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15.0 kW (H, V), an antenna radiation center 244 meters above ground, and the specific elevation pattern of the proposed Dielectric antenna, maximum power density two meters above ground of 0.000069 mW/cm^2 is calculated to occur 103 meters northwest of the base of the tower. Since this is significantly less than 0.1 percent of the 0.39 mW/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 33 (584-590 MHz), a grant of this proposal may be considered a minor environmental action with respect to public exposure to non-ionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive non-ionizing radiation.