

## AZIMUTH PATTERN Horizontal Polarization

Proposal No. **C-70287**  
Date **24-Feb-17**  
Call Letters **WFXB 36**  
Frequency **605 MHz**  
Antenna Type **TFU-30GTH-R 6T180**

Gain **1.86 (2.7dB)**  
**Calculated**

Directional  
Drawing # **TFU-GTH\_T180-36**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.700	36	0.985	72	0.529	108	0.529	144	0.985	180	0.700	216	0.425	252	0.875	288	0.875	324	0.425
1	0.716	37	0.979	73	0.517	109	0.541	145	0.989	181	0.685	217	0.430	253	0.887	289	0.862	325	0.421
2	0.731	38	0.974	74	0.505	110	0.554	146	0.993	182	0.669	218	0.436	254	0.900	290	0.849	326	0.417
3	0.746	39	0.966	75	0.495	111	0.568	147	0.996	183	0.654	219	0.442	255	0.911	291	0.835	327	0.415
4	0.762	40	0.959	76	0.484	112	0.581	148	0.998	184	0.639	220	0.449	256	0.922	292	0.821	328	0.413
5	0.777	41	0.951	77	0.475	113	0.595	149	0.999	185	0.624	221	0.457	257	0.932	293	0.806	329	0.412
6	0.792	42	0.942	78	0.465	114	0.610	150	1.000	186	0.610	222	0.465	258	0.942	294	0.792	330	0.411
7	0.806	43	0.932	79	0.457	115	0.624	151	0.999	187	0.595	223	0.475	259	0.951	295	0.777	331	0.412
8	0.821	44	0.922	80	0.449	116	0.639	152	0.998	188	0.581	224	0.484	260	0.959	296	0.762	332	0.413
9	0.835	45	0.911	81	0.442	117	0.654	153	0.996	189	0.568	225	0.495	261	0.966	297	0.746	333	0.415
10	0.849	46	0.900	82	0.436	118	0.669	154	0.993	190	0.554	226	0.505	262	0.974	298	0.731	334	0.417
11	0.862	47	0.887	83	0.430	119	0.685	155	0.989	191	0.541	227	0.517	263	0.979	299	0.716	335	0.421
12	0.875	48	0.875	84	0.425	120	0.700	156	0.985	192	0.529	228	0.529	264	0.985	300	0.700	336	0.425
13	0.887	49	0.862	85	0.421	121	0.716	157	0.979	193	0.517	229	0.541	265	0.989	301	0.685	337	0.430
14	0.900	50	0.849	86	0.417	122	0.731	158	0.974	194	0.505	230	0.554	266	0.993	302	0.669	338	0.436
15	0.911	51	0.835	87	0.415	123	0.746	159	0.966	195	0.495	231	0.568	267	0.996	303	0.654	339	0.442
16	0.922	52	0.821	88	0.413	124	0.762	160	0.959	196	0.484	232	0.581	268	0.998	304	0.639	340	0.449
17	0.932	53	0.806	89	0.412	125	0.777	161	0.951	197	0.475	233	0.595	269	0.999	305	0.624	341	0.457
18	0.942	54	0.792	90	0.411	126	0.792	162	0.942	198	0.465	234	0.610	270	1.000	306	0.610	342	0.465
19	0.951	55	0.777	91	0.412	127	0.806	163	0.932	199	0.457	235	0.624	271	0.999	307	0.595	343	0.475
20	0.959	56	0.762	92	0.413	128	0.821	164	0.922	200	0.449	236	0.639	272	0.998	308	0.581	344	0.484
21	0.966	57	0.746	93	0.415	129	0.835	165	0.911	201	0.442	237	0.654	273	0.996	309	0.568	345	0.495
22	0.974	58	0.731	94	0.417	130	0.849	166	0.900	202	0.436	238	0.669	274	0.993	310	0.554	346	0.505
23	0.979	59	0.716	95	0.421	131	0.862	167	0.887	203	0.430	239	0.685	275	0.989	311	0.541	347	0.517
24	0.985	60	0.700	96	0.425	132	0.875	168	0.875	204	0.425	240	0.700	276	0.985	312	0.529	348	0.529
25	0.989	61	0.685	97	0.430	133	0.887	169	0.862	205	0.421	241	0.716	277	0.979	313	0.517	349	0.541
26	0.993	62	0.669	98	0.436	134	0.900	170	0.849	206	0.417	242	0.731	278	0.974	314	0.505	350	0.554
27	0.996	63	0.654	99	0.442	135	0.911	171	0.835	207	0.415	243	0.746	279	0.966	315	0.495	351	0.568
28	0.998	64	0.639	100	0.449	136	0.922	172	0.821	208	0.413	244	0.762	280	0.959	316	0.484	352	0.581
29	0.999	65	0.624	101	0.457	137	0.932	173	0.806	209	0.412	245	0.777	281	0.951	317	0.475	353	0.595
30	1.000	66	0.610	102	0.465	138	0.942	174	0.792	210	0.411	246	0.792	282	0.942	318	0.465	354	0.610
31	0.999	67	0.595	103	0.475	139	0.951	175	0.777	211	0.412	247	0.806	283	0.932	319	0.457	355	0.624
32	0.998	68	0.581	104	0.484	140	0.959	176	0.762	212	0.413	248	0.821	284	0.922	320	0.449	356	0.639
33	0.996	69	0.568	105	0.495	141	0.966	177	0.746	213	0.415	249	0.835	285	0.911	321	0.442	357	0.654
34	0.993	70	0.554	106	0.505	142	0.974	178	0.731	214	0.417	250	0.849	286	0.900	322	0.436	358	0.669
35	0.989	71	0.541	107	0.517	143	0.979	179	0.716	215	0.421	251	0.862	287	0.887	323	0.430	359	0.685

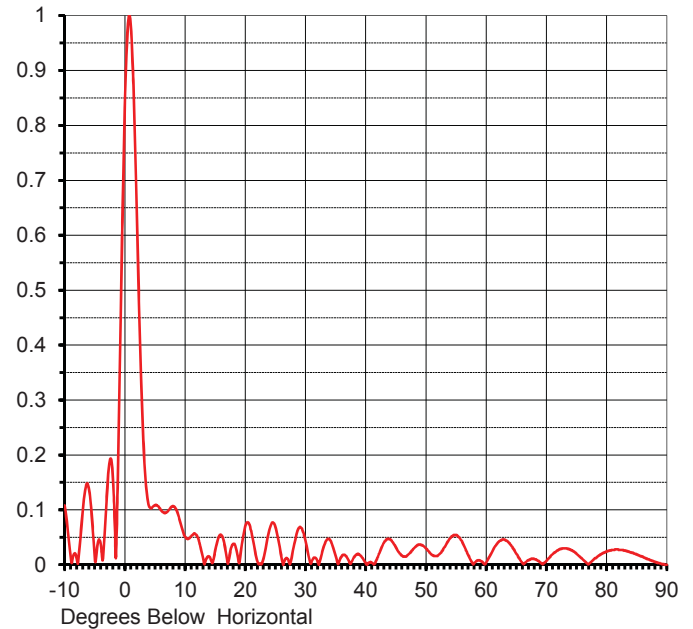
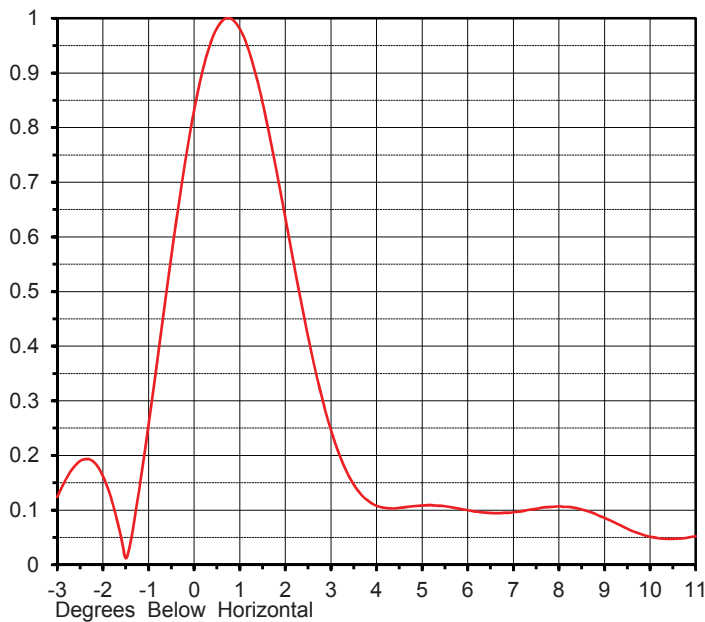
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## ELEVATION PATTERN

Proposal No. **C-70287**  
 Date **24-Feb-17**  
 Call Letters **WFXB 36**  
 Frequency **605 MHz**  
 Antenna Type **TFU-30GTH-R 6T180**

RMS Directivity at Main Lobe **27.00 ( 14.31 dB )**  
 RMS Directivity at Horizontal **18.70 ( 12.72 dB )**  
**Calculated**

Beam Tilt **0.75 deg**  
 Drawing Number **30G270075**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.108	10.0	0.051	30.0	0.043	50.0	0.030	70.0	0.007
-9.0	0.015	11.0	0.052	31.0	0.005	51.0	0.018	71.0	0.019
-8.0	0.012	12.0	0.052	32.0	0.006	52.0	0.017	72.0	0.027
-7.0	0.096	13.0	0.011	33.0	0.032	53.0	0.031	73.0	0.030
-6.0	0.141	14.0	0.015	34.0	0.046	54.0	0.048	74.0	0.027
-5.0	0.017	15.0	0.024	35.0	0.016	55.0	0.054	75.0	0.020
-4.0	0.037	16.0	0.054	36.0	0.015	56.0	0.042	76.0	0.010
-3.0	0.124	17.0	0.008	37.0	0.011	57.0	0.018	77.0	0.001
-2.0	0.162	18.0	0.038	38.0	0.013	58.0	0.003	78.0	0.011
-1.0	0.255	19.0	0.003	39.0	0.018	59.0	0.007	79.0	0.019
0.0	0.832	20.0	0.070	40.0	0.003	60.0	0.004	80.0	0.024
1.0	0.981	21.0	0.061	41.0	0.004	61.0	0.024	81.0	0.027
2.0	0.635	22.0	0.007	42.0	0.014	62.0	0.041	82.0	0.027
3.0	0.247	23.0	0.010	43.0	0.040	63.0	0.046	83.0	0.026
4.0	0.108	24.0	0.064	44.0	0.046	64.0	0.037	84.0	0.023
5.0	0.108	25.0	0.069	45.0	0.032	65.0	0.020	85.0	0.019
6.0	0.100	26.0	0.015	46.0	0.017	66.0	0.003	86.0	0.014
7.0	0.096	27.0	0.011	47.0	0.018	67.0	0.008	87.0	0.010
8.0	0.107	28.0	0.030	48.0	0.030	68.0	0.010	88.0	0.005
9.0	0.086	29.0	0.068	49.0	0.037	69.0	0.004	89.0	0.002
								90.0	0.000

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