System Summary

Exhibit No.	
Date	**20 May 2017**
Call Letters	**KRON-DT**
Channel	**7**
Antenna Type	**THV-6A7 C140**
Location	**San Francisco, CA**
Customer	**Nexstar**

Antenna

ERP:	47.5 kW (16.77 dBk)
Peak Gain*:	8.4 (9.24 dB)

Antenna Input Power:

5.7 kW

Transmission Line

Type:	Transmission Line		
Size:	6-1/8" 75 ohm		
Impedance:	75 ohm		
Length:	1110 ft (338.3 m)	Attenuation:	0.7 dB
		Efficiency:	85.42 %

Transmitter Output

6.6 kW (8.21 dBk)

* Gain is with respect to half wave dipole.

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Mechanicals

Exhibit No.	
Date	**20 May 2017**
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Channel	**7**
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Location	**San Francisco, CA**
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Preliminary Specifications

Top Mounted

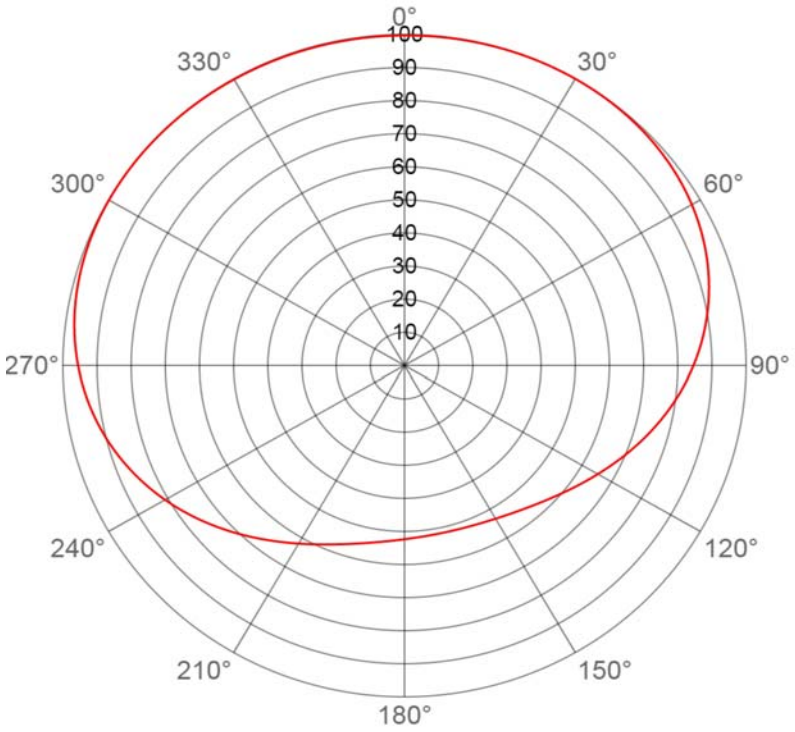
Mechanical Specification without ice TIA-222-G

Basic Wind Speed	140 mph
Structure Class	III
Exposure Category	C
Topography Category	2

Mechanical Specifications

Height less Lightning Protector	(H2)	44.0 ft (13.4 m)
Height with Lightning Protector	(H4)	48.0 ft (14.6 m)
Center of Radiation	(H3)	24.2 ft (7.4 m)

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Horizontal Polarization
AZIMUTH PATTERN

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Call Letters	**KRON-DT**
Channel	**7**
Antenna Type	**THV-6A7 C140**
Location	**San Francisco, CA**
Customer	**Nexstar**
Gain	**1.4 (1.46 dB)**
	Calculated
Drawing #	**THV-C140**

Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value	Deg	Value
0	0.997	36	0.999	72	0.935	108	0.730	144	0.547	180	0.524	216	0.654	252	0.880	288	0.991	324	0.999
1	0.997	37	0.999	73	0.931	109	0.724	145	0.544	181	0.525	217	0.660	253	0.885	289	0.992	325	0.998
2	0.997	38	0.998	74	0.927	110	0.717	146	0.542	182	0.526	218	0.666	254	0.890	290	0.993	326	0.998
3	0.997	39	0.998	75	0.923	111	0.710	147	0.540	183	0.528	219	0.672	255	0.895	291	0.994	327	0.998
4	0.998	40	0.997	76	0.919	112	0.704	148	0.537	184	0.529	220	0.678	256	0.900	292	0.995	328	0.998
5	0.998	41	0.997	77	0.914	113	0.697	149	0.535	185	0.531	221	0.685	257	0.905	293	0.995	329	0.998
6	0.998	42	0.996	78	0.910	114	0.691	150	0.533	186	0.533	222	0.691	258	0.910	294	0.996	330	0.998
7	0.998	43	0.995	79	0.905	115	0.685	151	0.531	187	0.535	223	0.697	259	0.914	295	0.997	331	0.998
8	0.998	44	0.995	80	0.900	116	0.678	152	0.529	188	0.537	224	0.704	260	0.919	296	0.997	332	0.998
9	0.998	45	0.994	81	0.895	117	0.672	153	0.528	189	0.540	225	0.710	261	0.923	297	0.998	333	0.997
10	0.998	46	0.993	82	0.890	118	0.666	154	0.526	190	0.542	226	0.717	262	0.927	298	0.998	334	0.997
11	0.998	47	0.992	83	0.885	119	0.660	155	0.525	191	0.544	227	0.724	263	0.931	299	0.999	335	0.997
12	0.999	48	0.991	84	0.880	120	0.654	156	0.524	192	0.547	228	0.730	264	0.935	300	0.999	336	0.997
13	0.999	49	0.990	85	0.875	121	0.648	157	0.523	193	0.550	229	0.737	265	0.939	301	0.999	337	0.997
14	0.999	50	0.989	86	0.869	122	0.642	158	0.521	194	0.553	230	0.743	266	0.942	302	0.999	338	0.997
15	0.999	51	0.988	87	0.864	123	0.636	159	0.521	195	0.556	231	0.750	267	0.946	303	1.000	339	0.997
16	0.999	52	0.986	88	0.858	124	0.631	160	0.520	196	0.559	232	0.757	268	0.949	304	1.000	340	0.997
17	0.999	53	0.985	89	0.852	125	0.625	161	0.519	197	0.563	233	0.763	269	0.952	305	1.000	341	0.997
18	0.999	54	0.983	90	0.846	126	0.620	162	0.518	198	0.566	234	0.770	270	0.956	306	1.000	342	0.997
19	0.999	55	0.981	91	0.840	127	0.615	163	0.518	199	0.570	235	0.777	271	0.958	307	1.000	343	0.997
20	1.000	56	0.980	92	0.834	128	0.610	164	0.517	200	0.574	236	0.783	272	0.961	308	1.000	344	0.997
21	1.000	57	0.978	93	0.828	129	0.605	165	0.517	201	0.578	237	0.790	273	0.964	309	1.000	345	0.997
22	1.000	58	0.976	94	0.822	130	0.600	166	0.517	202	0.582	238	0.796	274	0.967	310	1.000	346	0.997
23	1.000	59	0.974	95	0.816	131	0.595	167	0.517	203	0.586	239	0.803	275	0.969	311	1.000	347	0.997
24	1.000	60	0.971	96	0.809	132	0.590	168	0.517	204	0.590	240	0.809	276	0.971	312	1.000	348	0.997
25	1.000	61	0.969	97	0.803	133	0.586	169	0.517	205	0.595	241	0.816	277	0.974	313	1.000	349	0.997
26	1.000	62	0.967	98	0.796	134	0.582	170	0.517	206	0.600	242	0.822	278	0.976	314	1.000	350	0.997
27	1.000	63	0.964	99	0.790	135	0.578	171	0.517	207	0.605	243	0.828	279	0.978	315	1.000	351	0.997
28	1.000	64	0.961	100	0.783	136	0.574	172	0.517	208	0.610	244	0.834	280	0.980	316	1.000	352	0.997
29	1.000	65	0.958	101	0.777	137	0.570	173	0.518	209	0.615	245	0.840	281	0.981	317	0.999	353	0.997
30	1.000	66	0.956	102	0.770	138	0.566	174	0.518	210	0.620	246	0.846	282	0.983	318	0.999	354	0.997
31	1.000	67	0.952	103	0.763	139	0.563	175	0.519	211	0.625	247	0.852	283	0.985	319	0.999	355	0.997
32	1.000	68	0.949	104	0.757	140	0.559	176	0.520	212	0.631	248	0.858	284	0.986	320	0.999	356	0.997
33	1.000	69	0.946	105	0.750	141	0.556	177	0.521	213	0.636	249	0.864	285	0.988	321	0.999	357	0.997
34	0.999	70	0.942	106	0.743	142	0.553	178	0.521	214	0.642	250	0.869	286	0.989	322	0.999	358	0.997
35	0.999	71	0.939	107	0.737	143	0.550	179	0.523	215	0.648	251	0.875	287	0.990	323	0.999	359	0.997

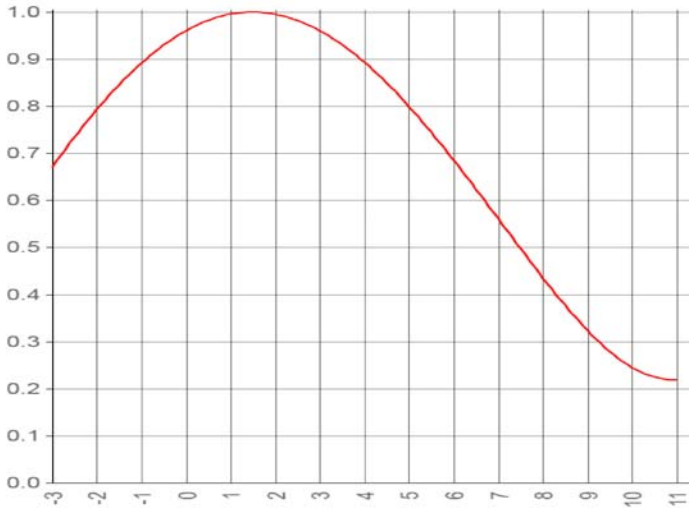
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ELEVATION PATTERN

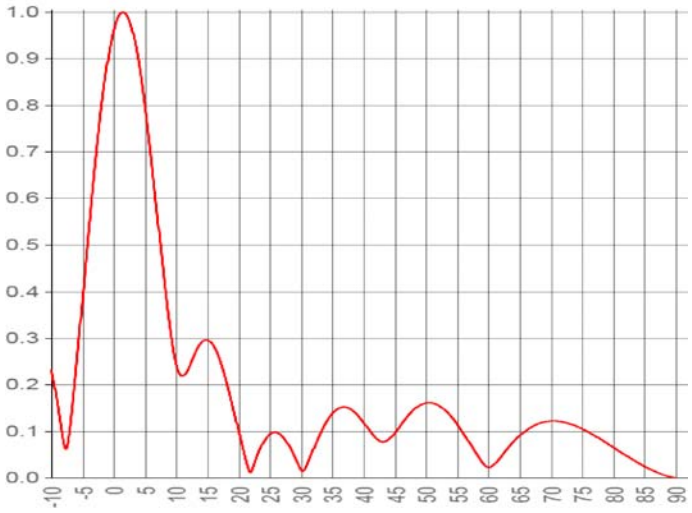
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Customer	**Nexstar**

Future fill is available!

RMS Gain at Main Lobe	**6.0 (7.78 dB)**	Beam Tilt	**1.5 Degrees**
RMS Gain at Horizontal	**5.5 (7.43 dB)**	Drawing #	**06V060150**
	Calculated		



Degrees below horizontal



Degrees below horizontal

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10	0.233	10	0.245	30	0.017	50	0.161	70	0.122
-9	0.158	11	0.219	31	0.029	51	0.161	71	0.122
-8	0.073	12	0.236	32	0.062	52	0.156	72	0.120
-7	0.106	13	0.267	33	0.093	53	0.146	73	0.116
-6	0.236	14	0.290	34	0.119	54	0.132	74	0.111
-5	0.382	15	0.296	35	0.138	55	0.115	75	0.105
-4	0.530	16	0.283	36	0.149	56	0.095	76	0.098
-3	0.669	17	0.253	37	0.152	57	0.074	77	0.091
-2	0.792	18	0.209	38	0.147	58	0.053	78	0.082
-1	0.891	19	0.157	39	0.136	59	0.033	79	0.074
0	0.960	20	0.101	40	0.119	60	0.022	80	0.065
1	0.996	21	0.046	41	0.101	61	0.029	81	0.057
2	0.995	22	0.012	42	0.085	62	0.045	82	0.048
3	0.960	23	0.048	43	0.077	63	0.062	83	0.040
4	0.893	24	0.077	44	0.082	64	0.077	84	0.032
5	0.799	25	0.094	45	0.096	65	0.090	85	0.024
6	0.685	26	0.097	46	0.114	66	0.101	86	0.018
7	0.560	27	0.089	47	0.131	67	0.110	87	0.011
8	0.435	28	0.070	48	0.146	68	0.116	88	0.006
9	0.324	29	0.044	49	0.156	69	0.120	89	0.002

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