

RF HAZARD STATEMENT
SECOND FILING WINDOW
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT
CLASS A STATION KCRP-CD
CORPUS CHRISTI, TEXAS
CHANNEL 17 15 KW (MAX-DA)

With respect to the potential for human exposure to radio frequency (RF) energy, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF energy at ground level in excess of FCC standards. Power density calculations were conducted at 2-m above ground¹ based on the following conservative assumptions, with the following results:

Call Sign	Channel	Total ERP (kW) ²	Distance (m)	Relative Field Factor ³	FCC Limit ⁴ (uW/cm ²)	Percentage of Limit
KCRP-CD	17	20.85	93	0.25	327.3	1.54%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 1.54% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF energy and it is categorically excluded from environmental processing.

Public access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a protocol is in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures are taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing “accepted” RFR protective clothing and/or RFR exposure.

¹ The radiation center is located 95 m above ground level.

² Horizontally polarized ERP 15 kW, Vertically polarized ERP 5.85 kW.

³ This is a conservative assumption for the maximum relative field at steep downward angles. See attached vertical relative field pattern.

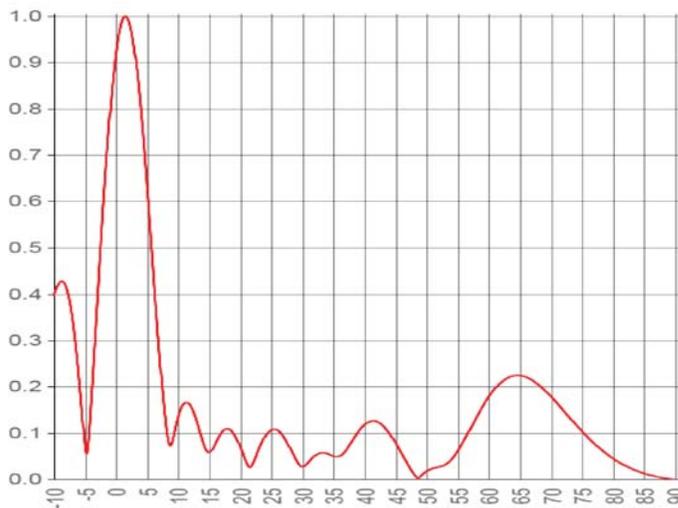
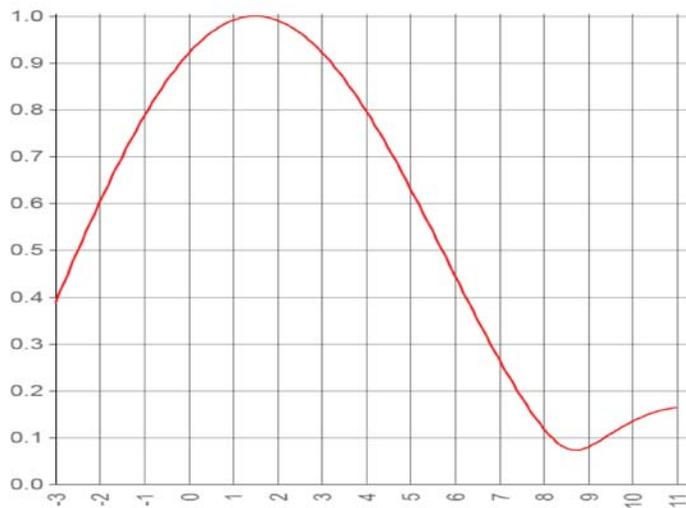
⁴ For general population/uncontrolled environments

ELEVATION PATTERN

Exhibit No. **C-70732-2**
 Date **22 Jun 2017**
 Call Letters **KRCB**
 Channel **17**
 Antenna Type **TLP-8B/VP**
 Location **Corpus Christi, TX**
 Customer **Entravision**

RMS Gain at Main Lobe **8.0 (9.03 dB)**
 RMS Gain at Horizontal **6.8 (8.32 dB)**
Calculated

Beam Tilt **1.5 Degrees**
 Drawing # **08L080150**



Degrees below horizontal

Degrees below horizontal

Angle	Field								
-10	0.396	10	0.134	30	0.027	50	0.018	70	0.179
-9	0.427	11	0.164	31	0.037	51	0.024	71	0.164
-8	0.413	12	0.158	32	0.051	52	0.027	72	0.148
-7	0.346	13	0.124	33	0.057	53	0.032	73	0.133
-6	0.225	14	0.080	34	0.055	54	0.044	74	0.118
-5	0.072	15	0.058	35	0.050	55	0.062	75	0.103
-4	0.169	16	0.078	36	0.050	56	0.085	76	0.089
-3	0.387	17	0.102	37	0.063	57	0.109	77	0.077
-2	0.601	18	0.109	38	0.083	58	0.134	78	0.065
-1	0.786	19	0.097	39	0.103	59	0.158	79	0.054
0	0.921	20	0.069	40	0.118	60	0.179	80	0.045
1	0.991	21	0.035	41	0.125	61	0.197	81	0.036
2	0.991	22	0.033	42	0.124	62	0.210	82	0.029
3	0.923	23	0.066	43	0.115	63	0.219	83	0.023
4	0.797	24	0.093	44	0.099	64	0.224	84	0.017
5	0.631	25	0.107	45	0.078	65	0.224	85	0.013
6	0.446	26	0.106	46	0.054	66	0.221	86	0.009
7	0.266	27	0.091	47	0.031	67	0.214	87	0.005
8	0.119	28	0.067	48	0.011	68	0.204	88	0.003
9	0.079	29	0.041	49	0.007	69	0.192	89	0.001

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