

RF HAZARD STATEMENT
APPLICATION FOR CONSTRUCTION PERMIT
TV STATION KSLA
SHREVEPORT, LOUISIANA
CHANNEL 23 181 KW (ND) 541 m

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
KSLA	23	235.3	524.8	1.0	351.3	0.08%

As indicated above, the exposure to RF energy at 2-m above ground level will not exceed 0.08% 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, a protocol will be 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 526.8 m above ground level.

² Horizontally polarized ERP 181 kW, Vertically polarized ERP 54.3 kW.

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

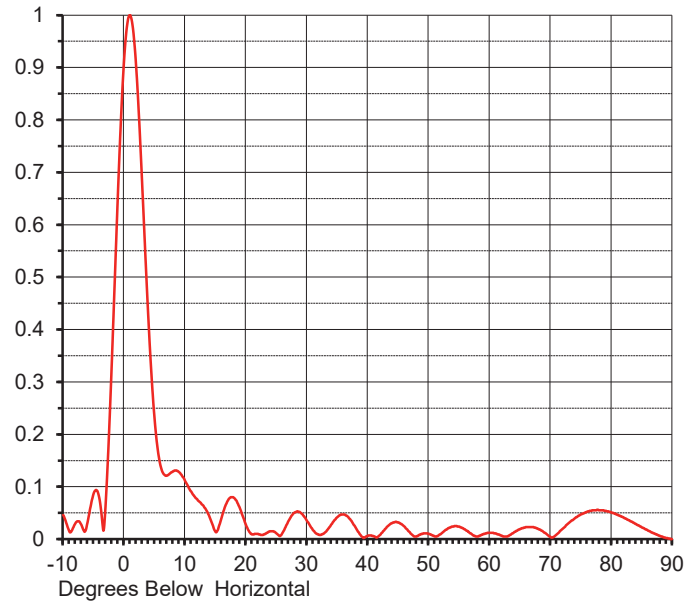
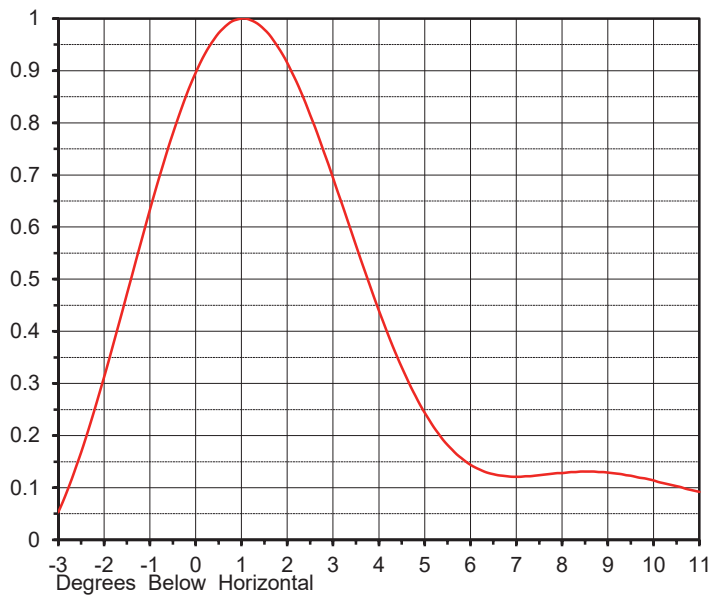
⁴ For general population/uncontrolled environments

ELEVATION PATTERN

Proposal No. **C-70637**
 Date **13-Apr-17**
 Call Letters **KSLA**
 Channel **23**
 Frequency **527 MHz**
 Antenna Type **TFU-18GTH/VP-R 04**

RMS Directivity at Main Lobe **16.0 (12.04 dB)**
 RMS Directivity at Horizontal **13.4 (11.27 dB)**
Calculated

Beam Tilt **1.00 deg**
 Pattern Number **18G160100**



Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.046	10.0	0.111	30.0	0.035	50.0	0.010	70.0	0.004
-9.0	0.015	11.0	0.091	31.0	0.017	51.0	0.005	71.0	0.009
-8.0	0.030	12.0	0.076	32.0	0.008	52.0	0.010	72.0	0.020
-7.0	0.027	13.0	0.064	33.0	0.013	53.0	0.019	73.0	0.031
-6.0	0.032	14.0	0.043	34.0	0.028	54.0	0.024	74.0	0.040
-5.0	0.087	15.0	0.014	35.0	0.042	55.0	0.024	75.0	0.047
-4.0	0.074	16.0	0.041	36.0	0.047	56.0	0.018	76.0	0.052
-3.0	0.073	17.0	0.073	37.0	0.039	57.0	0.010	77.0	0.055
-2.0	0.343	18.0	0.079	38.0	0.022	58.0	0.005	78.0	0.055
-1.0	0.664	19.0	0.059	39.0	0.005	59.0	0.010	79.0	0.054
0.0	0.915	20.0	0.027	40.0	0.006	60.0	0.012	80.0	0.051
1.0	1.000	21.0	0.009	41.0	0.005	61.0	0.011	81.0	0.046
2.0	0.897	22.0	0.010	42.0	0.008	62.0	0.006	82.0	0.041
3.0	0.668	23.0	0.009	43.0	0.021	63.0	0.006	83.0	0.035
4.0	0.417	24.0	0.015	44.0	0.031	64.0	0.013	84.0	0.029
5.0	0.230	25.0	0.011	45.0	0.032	65.0	0.019	85.0	0.022
6.0	0.139	26.0	0.012	46.0	0.024	66.0	0.023	86.0	0.016
7.0	0.121	27.0	0.035	47.0	0.011	67.0	0.023	87.0	0.011
8.0	0.129	28.0	0.051	48.0	0.005	68.0	0.019	88.0	0.006
9.0	0.128	29.0	0.050	49.0	0.010	69.0	0.012	89.0	0.002
								90.0	0.000

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