



K218EJ HOUSTON, TX Proposed Channel 209D (89.7 MHz)
HOUSTON CHRISTIAN BROADCASTERS, INC. - MINOR CHANGE

K218EJ receives incoming interference from 1st adjacent KHVU.

0 5 10 20 Kilometers

Figure 2.1

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Table 1 - 74.1204(a) Channel Study
K218EJ HOUSTON, TX - HOUSTON CHRISTIAN BROADCASTERS, INC.
STUDY August 2023 (Ch.218D NOW)

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
215	C3	KTSU	FM	L-L2C	HOUSTON	TX	US	TEXAS SOUTHERN UNI	38.0	22.8	33.3	-10.5	67.2
216	C3	KVUJ	FM	L-L2C	LAKE JACKSON	TX	US	HOPE MEDIA GROUP	162.4	64.3	25.8	38.4	39.2
217	D	K217GB	FX	L-L2C	HOUSTON	TX	US	HOPE MEDIA GROUP	31.9	18.8	9.9	8.9	37.7
217	D	K217DJ	FX	L-L2C	KEMAH	TX	US	CALVARY CHAPEL OF S	85.4	44.3	29.1	15.2	32.2
217	C2	KPVU	FM	L-L2C	PRAIRIE VIEW	TX	US	PRAIRIE VIEW A & M U	321.4	75.0	58.8	16.2	46.3
218	D	K218EJ	FX	L-L2C	HOUSTON	TX	US	CENTRO CRISTIANO DE	167.7	0.0	78.1	-78.1	108.9 (applicant)
218	C3		FM	C-AMD	Bolivar Peninsula	TX	US	HECTOR GUEVARA MII	96.2	89.0	74.8	14.2	23.4
219	C2	KHVU	FM	L-L2C	HOUSTON	TX	US	HOPE MEDIA GROUP	22.5	60.5	57.1	3.4	56.1 (interference received)
221	C1	KROI	FM	L-L2C	SEABROOK	TX	US	SUGARLAND STATION	150.5	25.1	72.1	-47.0	82.9

Terrain data DEM: NED-1

Table 2 - 74.1204(a) Channel Study for all adjacent channels
K218EJ HOUSTON, TX - HOUSTON CHRISTIAN BROADCASTERS, INC.

MINOR CHANGE August 2023 (Ch.209D proposed) (No alternate interference-free channels 215-221 or I.F.)

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Bearing TO (deg)	Distance (km)	Req. Dist. (km)	Clearance (km)	Field Strength (dBu)
Channel 215													
215	C3	KTSU	FM	L-L2C	HOUSTON	TX	US	TEXAS SOUTHERN	38.0	22.8	48.0	-25.3	67.2
Channel 216													
216	C3	KVUJ	FM	L-L2C	LAKE JACKSON	TX	US	HOPE MEDIA GRO	162.4	64.3	100.9	-36.6	39.2
Channel 217													
217	D	K217DJ	FX	L-L2C	KEMAH	TX	US	CALVARY CHAPEL (85.4	44.3	55.8	-11.5	32.2
Channel 218 (current channel)													
Channel 219													
219	C2	KHVU	FM	L-L2C	HOUSTON	TX	US	HOPE MEDIA GRO	22.5	60.5	67.1	-6.6	56.1
Channel 220													
221	C1	KROI	FM	L-L2C	SEABROOK	TX	US	SUGARLAND STAT	150.5	25.1	108.8	-83.7	82.9
Channel 221													
221	C1	KROI	FM	L-L2C	SEABROOK	TX	US	SUGARLAND STAT	150.5	25.1	147.9	-122.8	82.9

Terrain data DEM: NED-1
 (No same band I.F. channel)