

KDZA (AM) Site to Site RSS Calculations

Contributions below 25% excluded

Call: **KABQ**
 Freq: 1350 kHz
 ALBUQUERQUE, NM, US
 Hours: N
 Lat: 35-06-02 N
 Lng: 106-40-34 W
 Power: 0.5 kW
 Theo RMS: 209.21 mV/m @ 1km @ 0.5 kW
 # of Augmentations: 7

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Existing

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min	Max					
XETM/A	1350	NACO	SO	MX	519.0	35.0	14.3	23.5	268.23	116.40	6.244	100.0	6.244
KDZA	1350	PUEBLO	CO	US	396.5	207.7	19.1	30.2	150.95	159.33	4.810	77.0	7.882
KCOR	1350	SAN ANTONIO	TX	US	978.0	311.4	6.2	11.5	317.52	48.16	3.058	38.8	8.455
WWWL	1350	NEW ORLEANS	LA	US	1660.4	294.6	1.2	4.4	692.49	19.98	2.767	32.7	8.896

Proposed

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min	Max					
XETM/A	1350	NACO	SO	MX	519.0	35.0	14.3	23.5	268.23	116.40	6.244	100.0	6.244
KDZA-P	1350	PUEBLO	CO	US	405.2	207.2	18.6	29.6	118.54	155.37	3.684	59.0	7.250
KCOR	1350	SAN ANTONIO	TX	US	978.0	311.4	6.2	11.5	317.52	48.16	3.058	42.2	7.868
WWWL	1350	NEW ORLEANS	LA	US	1660.4	294.6	1.2	4.4	692.49	19.98	2.767	35.2	8.341

KDZA (AM) Site to Site RSS Calculations (cont.)

Contributions below 25% excluded

Call: **KRNT**
 Freq: 1350 kHz
 DES MOINES, IA, US
 Hours: N
 Lat: 41-33-31 N
 Lng: 093-34-45 W
 Power: 5.0 kW
 Theo RMS: 756.39 mV/m @ 1km @ 5.0 kW
 # of Augmentations: 1

Standard: FCC Rules (1992 Skywave Propagation Model) [10%]

Existing

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit		RSS Limit (mV/m)
							Min (deg)	Max (deg)			(mV/m)	(%)	
KSCJ	1360	SIOUX CITY	IA	US	253.2	115.1	29.0	42.8	410.53	237.93	1.954	100.0	1.954
WWWL	1350	NEW ORLEANS	LA	US	1332.1	347.1	3.2	7.2	268.52	26.95	1.447	74.1	2.431
WOAM	1350	PEORIA	IL	US	350.7	289.1	21.5	33.5	41.98	172.03	1.444	59.4	2.828
KDZA	1350	PUEBLO	CO	US	1011.4	65.4	5.8	11.0	163.47	38.97	1.274	45.1	3.102
WARF	1350	AKRON	OH	US	1007.0	276.5	5.9	11.1	171.31	35.37	1.212	39.1	3.330
KROC	1340	ROCHESTER	MN	US	288.7	198.3	25.8	39.0	262.42	206.24	1.082	32.5	3.501
KXEO	1340	MEXICO	MO	US	303.1	331.9	24.7	37.6	262.77	204.18	1.073	30.6	3.662
KROS	1340	CLINTON	IA	US	282.0	264.3	26.4	39.6	234.99	214.92	1.010	27.6	3.799

Proposed

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit		RSS Limit (mV/m)
							Min (deg)	Max (deg)			(mV/m)	(%)	
KSCJ	1360	SIOUX CITY	IA	US	253.2	115.1	29.0	42.8	410.53	237.93	1.954	100.0	1.954
WWWL	1350	NEW ORLEANS	LA	US	1332.1	347.1	3.2	7.2	268.52	26.95	1.447	74.1	2.431
WOAM	1350	PEORIA	IL	US	350.7	289.1	21.5	33.5	41.98	172.03	1.444	59.4	2.828
KDZA-P	1350	PUEBLO	CO	US	1006.4	65.8	5.9	11.1	159.04	39.24	1.248	44.1	3.091
WARF	1350	AKRON	OH	US	1007.0	276.5	5.9	11.1	171.31	35.37	1.212	39.2	3.320
KROC	1340	ROCHESTER	MN	US	288.7	198.3	25.8	39.0	262.42	206.24	1.082	32.6	3.492
KXEO	1340	MEXICO	MO	US	303.1	331.9	24.7	37.6	262.77	204.18	1.073	30.7	3.653
KROS	1340	CLINTON	IA	US	282.0	264.3	26.4	39.6	234.99	214.92	1.010	27.6	3.790

KDZA (AM) Site to Site RSS Calculations (cont.)

Contributions below 25% excluded

Call: **XETM/A**
 Freq: 1350 kHz
 NACO, SO, MX
 Hours: N
 Lat: 31-19-04 N
 Lng: 109-56-47 W
 Power: 1.0 kW
 Theo RMS: 281.58 mV/m @ 1km @ 1kW

Standard: Mexican [10%]

Existing

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min (deg)	Max (deg)					
XETB/A	1350	TORREON	CI	MX	897.7	316.7	10.0	10.0	227.29	74.99	3.409	100.0	3.409
KDZA	1350	PUEBLO	CO	US	911.8	213.5	9.8	9.8	161.04	73.35	2.362	69.3	4.148
WWWL	1350	NEW ORLEANS	LA	US	1908.8	279.7	1.4	1.4	922.08	12.04	2.221	53.5	4.705
KSRO	1350	SANTA ROSA	CA	US	1408.5	120.3	4.6	4.6	272.92	31.26	1.706	36.3	5.005
KCOR	1350	SAN ANTONIO	TX	US	1103.7	283.2	7.4	7.4	150.35	54.23	1.631	32.6	5.264
XESI/A	1350	SANTIAGO IXCUINTL	NA	MX	1157.3	336.9	6.8	6.8	144.34	49.16	1.419	27.0	5.452
KABQ	1350	ALBUQUERQUE	NM	US	519.0	216.8	19.1	19.1	58.12	121.35	1.410	25.9	5.631

Proposed

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min (deg)	Max (deg)					
XETB/A	1350	TORREON	CI	MX	897.7	316.7	10.0	10.0	227.29	74.99	3.409	100.0	3.409
WWWL	1350	NEW ORLEANS	LA	US	1908.8	279.7	1.4	1.4	922.08	12.04	2.221	65.1	4.069
KDZA-P	1350	PUEBLO	CO	US	920.2	213.3	9.7	9.7	150.63	72.39	2.181	53.6	4.616
KSRO	1350	SANTA ROSA	CA	US	1408.5	120.3	4.6	4.6	272.92	31.26	1.706	37.0	4.922
KCOR	1350	SAN ANTONIO	TX	US	1103.7	283.2	7.4	7.4	150.35	54.23	1.631	33.1	5.185
XESI/A	1350	SANTIAGO IXCUINTL	NA	MX	1157.3	336.9	6.8	6.8	144.34	49.16	1.419	27.4	5.375
KABQ	1350	ALBUQUERQUE	NM	US	519.0	216.8	19.1	19.1	58.12	121.35	1.410	26.2	5.557

KDZA (AM) Site to Site RSS Calculations (cont.)

Contributions below 25% excluded

Call: **XETM/O**
 Freq: 1350 kHz
 NACO, SO, MX
 Hours: N
 Lat: 31-19-37 N
 Lng: 109-56-54 W
 Power: 1.0 kW
 Theo RMS: 299.86 mV/m @ 1km @ 1kW

Standard: Mexican [10%]

Existing

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min (deg)	Max (deg)					
XETB/A	1350	TORREON	CI	MX	898.5	316.8	10.0	10.0	227.29	74.90	3.405	100.0	3.405
KDZA	1350	PUEBLO	CO	US	911.0	213.6	9.8	9.8	161.04	73.44	2.365	69.5	4.146
WWWL	1350	NEW ORLEANS	LA	US	1909.0	279.7	1.4	1.4	921.65	12.04	2.219	53.5	4.702
KSRO	1350	SANTA ROSA	CA	US	1407.8	120.3	4.6	4.6	273.00	31.31	1.709	36.4	5.003
KCOR	1350	SAN ANTONIO	TX	US	1104.0	283.3	7.4	7.4	150.18	54.19	1.628	32.5	5.261
XESI/A	1350	SANTIAGO IXCUINTL	NA	MX	1158.3	337.0	6.8	6.8	144.34	49.08	1.417	26.9	5.449
KABQ	1350	ALBUQUERQUE	NM	US	518.2	216.9	19.1	19.1	57.77	121.46	1.403	25.8	5.627

Proposed

Call	Freq (kHz)	City	St	Ct	Dist (km)	Azi (deg)	Theta		Max V-Rad (mV/m)	SW Mult (uV/m)	Limit (mV/m)	Limit (%)	RSS Limit (mV/m)
							Min (deg)	Max (deg)					
XETB/A	1350	TORREON	CI	MX	898.5	316.8	10.0	10.0	227.29	74.90	3.405	100.0	3.405
WWWL	1350	NEW ORLEANS	LA	US	1909.0	279.7	1.4	1.4	921.65	12.04	2.219	65.2	4.064
KDZA-P	1350	PUEBLO	CO	US	919.4	213.3	9.7	9.7	150.63	72.48	2.184	53.7	4.614
KSRO	1350	SANTA ROSA	CA	US	1407.8	120.3	4.6	4.6	273.00	31.31	1.709	37.1	4.920
KCOR	1350	SAN ANTONIO	TX	US	1104.0	283.3	7.4	7.4	150.18	54.19	1.628	33.1	5.182
XESI/A	1350	SANTIAGO IXCUINTL	NA	MX	1158.3	337.0	6.8	6.8	144.34	49.08	1.417	27.3	5.372
KABQ	1350	ALBUQUERQUE	NM	US	518.2	216.9	19.1	19.1	57.77	121.46	1.403	26.1	5.553