

Radiated Emissions
FCC 15.231b(3), 15.209

3/30/99
Juan Martinez
1 meter

Audiovox Corporation
302 MHz Transmitter

F_o: 302 MHz

F(MHz)	READING (dBuV)	AF (dB)	CL (dB)	Amp (dB)	DIST (dB)	DUTY (dB)	Other (dB)	Total (dBuV/m)	Limit (dBuV/m)	Margin (dB)
<u>Z-axis (Vertical)</u>										
1208(P)	40.1	24	1.65	-35	-9.5	0	0	21.25	54	-32.75
1510N(P)	37.8	25	1.82	-35	-9.5	0	0	20.12	54	-33.88
1813N(P)	38.5	26.5	2.48	-35	-9.5	0	0	22.98	54	-31.02
2115N(P)	37.2	28	2.97	-35	-9.5	0	0	23.67	54	-30.33
2417N(P)	37.3	28	3.3	-35	-9.5	0	0	24.1	54	-29.9
2719N(P)	37.2	29.9	3.47	-35	-9.5	0	0	26.07	54	-27.93
3021N(P)	37.2	31.6	3.79	-35	-9.5	0	0	28.09	54	-25.91
<u>Y-axis(Vertical)</u>										
1208(P)	43.8	24	1.65	-35	-9.5	0	0	24.95	54	-29.05
1510N(P)	38.5	25	1.82	-35	-9.5	0	0	20.82	54	-33.18
1813N(P)	39.6	26.5	2.48	-35	-9.5	0	0	24.08	54	-29.92
2115N(P)	37.1	28	2.97	-35	-9.5	0	0	23.57	54	-30.43
2417N(P)	37.1	28	3.3	-35	-9.5	0	0	23.9	54	-30.1
2719N(P)	35.9	29.9	3.47	-35	-9.5	0	0	24.77	54	-29.23
3021N(P)	36.3	31.6	3.79	-35	-9.5	0	0	27.19	54	-26.81
<u>X-axis(Vertical)</u>										
1208(P)	44.5	24	1.65	-35	-9.5	0	0	25.65	54	-28.35
1510N(P)	39.6	25	1.82	-35	-9.5	0	0	21.92	54	-32.08
1813N(P)	39.4	26.5	2.48	-35	-9.5	0	0	23.88	54	-30.12

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2115N(P)	37.6	28	2.97	-35	-9.5	0	0	24.07	54	-29.93
2417N(P)	38.2	28	3.3	-35	-9.5	0	0	25	54	-29
2719N(P)	36.5	29.9	3.47	-35	-9.5	0	0	25.37	54	-28.63
3021N(P)	36.6	31.6	3.79	-35	-9.5	0	0	27.49	54	-26.51

X-axis(Horizontal)

1208(P)	41.1	24	1.65	-35	-9.5	0	0	22.25	54	-31.75
1510N(P)	39.1	25	1.82	-35	-9.5	0	0	21.42	54	-32.58
1813N(P)	38.2	26.5	2.48	-35	-9.5	0	0	22.68	54	-31.32
2115N(P)	37.7	28	2.97	-35	-9.5	0	0	24.17	54	-29.83
2417N(P)	37.9	28	3.3	-35	-9.5	0	0	24.7	54	-29.3
2719N(P)	37.3	29.9	3.47	-35	-9.5	0	0	26.17	54	-27.83
3021N(P)	37.7	31.6	3.79	-35	-9.5	0	0	28.59	54	-25.41

Y-axis(Horizontal)

1208(P)	42.7	24	1.65	-35	-9.5	0	0	23.85	54	-30.15
1510N(P)	39.1	25	1.82	-35	-9.5	0	0	21.42	54	-32.58
1813N(P)	38.8	26.5	2.48	-35	-9.5	0	0	23.28	54	-30.72
2115N(P)	37	28	2.97	-35	-9.5	0	0	23.47	54	-30.53
2417N(P)	38.1	28	3.3	-35	-9.5	0	0	24.9	54	-29.1
2719N(P)	36.3	29.9	3.47	-35	-9.5	0	0	25.17	54	-28.83
3021N(P)	36.8	31.6	3.79	-35	-9.5	0	0	27.69	54	-26.31

Z-axis(Horizontal)

1208(P)	43.6	24	1.65	-35	-9.5	0	0	24.75	54	-29.25
1510N(P)	39.3	25	1.82	-35	-9.5	0	0	21.62	54	-32.38
1813N(P)	38.2	26.5	2.48	-35	-9.5	0	0	22.68	54	-31.32
2115N(P)	37.5	28	2.97	-35	-9.5	0	0	23.97	54	-30.03
2417N(P)	38	28	3.3	-35	-9.5	0	0	24.8	54	-29.2
2719N(P)	36.5	29.9	3.47	-35	-9.5	0	0	25.37	54	-28.63
3021N(P)	36.7	31.6	3.79	-35	-9.5	0	0	27.59	54	-26.41

NOTE: ALL REAINGS ARE IN PEAK MODE

DIST: Correction to extrapolate reading to 3m specification distance
 1M measurement distance: **-9.5 dB**

OTHER: High pass filter insertion loss (**1.802GHz**)

AF: Antenna Factor

DUTY: Duty Cycle correction factor

AMP: Pre-amp gain

CL: CABLE LOSS

N: Noise Floor Measurements

ANALYZER BANDWIDTH SETTINGS

	<u>Res Bw:</u>	<u>Video Bw:</u>
Peak(P):	1MHz	1MHz
Average:	1MHz	10 Hz