

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

**TEST METHOD:** Spurious Emissions at the Antenna Terminals - 30MHz to 9GHz

**CUSTOMER:** Cellular Specialties

**JOB NO:** R-3414N1

**TEST SAMPLE:** Bidirectional Amplifier

**MODEL NO:** 310

**SERIAL NO:** 02503

**TEST SPECIFICATION:** FCC Parts 2 and 90 (Special Mobile Radio)

**OPERATING MODE:** Continuously amplifying an input signal

**TECHNICIAN:** T. Cricco

**DATE:** 11/1/99

**NOTES:** Measurements taken using a -31dBm input signal

Uplink	Test Frequencies	Harmonic Frequencies	Reading		Downlink	Test Frequencies	Harmonic Frequencies	Reading
	MHz	GHz	dBm			MHz	GHz	dBm
	806.0	0.806	25.2			851.0	0.851	23.7
	1	1.612	-33.0			1	1.702	-38.0
	1	2.418	-9.40			1	2.553	-13.5
	1	3.224	-28.7			1	3.404	-41.9
	1	4.030	-51.0			1	4.255	-57.5
	1	4.836	-57.0			1	5.106	-62.7
	1	5.642	-55.7			1	5.957	>-73.0
	1	6.448	-61.3			1	6.808	-64.8
	1	7.254	-61.2			1	7.659	>-66.0
	806.0	8.060	>-66.0			851.0	8.510	>-66.0
	813.5	0.8135	24.7			858.5	0.8585	25.2
	1	1.627	-33.7			1	1.717	-35.2
	1	2.4405	-11.6			1	2.5755	-9.70
	1	3.254	-26.2			1	3.434	-43.1
	1	4.0675	-49.8			1	4.2925	-58.9
	1	4.881	-56.2			1	5.151	-59.8
	1	5.6945	-67.9			1	6.0095	-70.0
	1	6.508	-66.0			1	6.868	-62.7
	1	7.3215	-63.9			1	7.7265	-64.5
	813.5	8.135	>-66.0			858.5	8.585	>-65.0
	821.0	0.821	25.3			866.0	0.866	24.1
	1	1.642	-33.2			1	1.732	-35.7
	1	2.463	-7.80			1	2.598	-16.1
	1	3.284	-29.1			1	3.464	-53.1
	1	4.105	-37.6			1	4.330	-54.9
	1	4.926	-53.5			1	5.196	-61.1
	1	5.747	-50.4			1	6.062	>-70.0
	1	6.568	-60.5			1	6.928	-66.3
	1	7.389	>-65.0			1	7.794	-62.1
	821.0	8.210	>-65.0			866.0	8.660	>-66.0

EUT emissions observed throughout the given frequency spectrum were recorded and evaluated.

