Door Module Tester
FCC ID LA5WEDT003
RADIATED EMISSION MEASUREMENT DATA 15.209 GENERAL EMISSION LIMITS

	Field Strength (dBuV/m)								
Freq. (kHz)	1 m	1.5 m	2 m	3 m	Extrapolation Factor (dB/decade)	Distance Correction Factor (dB)	Field Strength (dBuV/m)	Field Strength Limit (dBuV/m)*	Margin (dB)
508	80.4	69.1		49.9	-63.9	-94.4	-14.0	33.5	47.5
1016	72.4		53.4		-63.1	-93.2	-20.8	27.5	48.3
1524	63.3		46.3		-56.5	-83.4	-20.1	23.9	44.1
2032	56.2		38.2		-59.8	-88.3	-32.1	29.5	61.7
2540	50.0	40.4			-54.5	-80.5	-30.5	29.5	60.1
3048	49.0	39.0			-56.8	-83.9	-34.9	29.5	64.4
3556	47.7	38.7			-51.1	-75.5	-27.8	29.5	57.3
4064	47.2	38.1			-51.7	-76.3	-29.1	29.5	58.7
4572	46.1	37.2			-50.5	-74.7	-28.6	29.5	58.1
5080	46.2	37.1			-51.7	-76.3	-30.1	29.5	59.7
5588	45.4	36.3			-51.7	-76.3	-30.9	29.5	60.5

Tested: Russell Grant
9-May-00
R&S Active Loop Antenna
R&S ESH3 Test Receiver 10 kHz RBW Peak Detector Function
* 15.209 General Emission Limits
Note: Fundamenatal emission at 508 kHz was measured at 3 distances and extrapolated as per attached graph.
Note: Harmonic emissions were measured at two measurement distances and the field strength obtained at
1m was extrapolated to 30 m using extrapolation factor as determined from measurements at 1, 1.5, or 2 m
Sample Calculation: 1 to 2 m is log 2 = 0.301 decades and the emission varies from 72.4 to 53.4 dBuV/m
This is a reduction of (72.4-53.4)/0.301 = 63.1 dB/decade.
1 m to 30 m is log 30 = 1.477 decade so the overall reduction in field strength from 1 to 30 m is = 1.477x63.1 = 93.2 dB