

RADIATED EMISSIONS

COMPANY NAME: Secura Key DATE: 4-5-01

EUT: Card Reader (Access Control Sys) EUT S/N: _____

EUT MODEL: RK-WL LOCATION: ☐ BREA ☐ SILVERADO ☒ AGOURA

SPECIFICATION: FCC CLASS: B TEST DISTANCE: 3M LAB: F

ANTENNA: ☒ LOOP ☐ BICONICAL ☐ LOG ☐ HORN

POLARIZATION: ☒ VERT ☒ HORIZ

☒ QUALIFICATION ☐ ENGINEERING ☐ MFG. AUDIT

ENGINEER: A. Khan

NOTES:

3M = 112.9 dBuV
10M = 85.1 dBuV

Pol. A

Pol. B

Frequency KHz (MHz)	Peak Reading (dBuV/m)	Quasi- Peak (dBuV/m)	Antenna Height (meters)	Azimuth (degrees)	Delta * (dB)	Corrected Limit (dBuV/m)	Comments
125KHz	112.9		1M	180°	-8.76	121.66	Log 53 Pol. A
250KHz	73.4		1M	180°	-16.35	89.75	Log 40 Pol. A
375KHz	67.6		1M	180°	-18.62	86.12	Log 40 Pol. A
500KHz	45.3		1M	180°	-18.02	63.82	Log 40 Pol. A
625KHz	45.5		1M	180°	-16.39	61.89	Log 40 Pol. A
750KHz	49.1		1M	180°	-11.00	60.10	Log 40 Pol. A
125KHz	117.1		1M	180°	-4.56	121.66	Log 53 Pol. B
250KHz	80.1		1M	180°	-9.65	89.75	Log 40 Pol. B
375KHz	77.6		1M	180°	-8.52	86.12	Log 40 Pol. B
500KHz	53.1		1M	180°	-10.72	63.82	Log 40 Pol. B
625KHz	53.6		1M	180°	-8.29	61.89	Log 40 Pol. B
750KHz	47.2		1M	180°	-12.9	60.10	Log 40 Pol. B

* DELTA = METER READING - CORRECTED LIMIT

Test location: Compatible Electronics

Customer : SECURA KEY

Date : 4/ 5/2001

Manufacturer : SAME

Time : 15.58

EUT name : CARD READER (ACCESS CONTRRK-WL

Model: RK-WL

Specification: Fcc_B Test distance: 3.0 mtrs

Lab: F

Distance correction factor(20*log(test/spec))

: 0.00

Test Mode :

QUALIFICATION

CLOCK: 16MHz

TEMP:65 HUMID: 70%

TEST ENG. A.KHAN

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1V	32.04	50.70	1.06	15.10	36.52	30.34	40.00	-9.66
2V	39.98	48.30	1.30	14.70	36.60	27.70	40.00	-12.30
3V	47.71	53.20	1.38	13.16	36.68	31.06	40.00	-8.94
4V	55.68	54.90	1.51	11.34	36.70	31.05	40.00	-8.95
5V	64.04	55.80	1.64	9.45	36.70	30.19	40.00	-9.81
6V	71.92	58.00	1.74	8.18	36.66	31.26	40.00	-8.74
7V	79.87	55.80	1.90	8.10	36.50	29.30	40.00	-10.70
8V	96.04	51.40	2.00	8.52	36.42	25.50	43.50	-18.00
9V	104.02	50.10	2.08	9.32	36.47	25.03	43.50	-18.47
10V	108.00	46.30	2.16	9.64	36.44	21.66	43.50	-21.84
11V	112.27	49.20	2.25	9.98	36.40	25.03	43.50	-18.47
12V	115.66	48.60	2.31	10.25	36.37	24.79	43.50	-18.71
13V	132.24	41.20	2.56	11.29	36.27	18.78	43.50	-24.72
14V	144.55	46.30	2.66	11.78	36.22	24.52	43.50	-18.98
15V	159.77	45.00	2.78	12.86	36.16	24.48	43.50	-19.02
16V	163.82	43.50	2.81	13.22	36.14	23.38	43.50	-20.12
17V	176.03	44.30	2.91	14.27	36.10	25.38	43.50	-18.12
18V	240.01	41.50	3.42	15.50	35.98	24.44	46.00	-21.56
19V	280.05	39.30	3.66	17.32	36.08	24.20	46.00	-21.80
20H	31.67	43.10	1.05	15.12	36.52	22.75	40.00	-17.25
21H	40.00	40.20	1.30	14.70	36.60	19.60	40.00	-20.40
22H	48.02	48.40	1.38	13.10	36.68	26.20	40.00	-13.80
23H	56.17	44.90	1.52	11.22	36.70	20.94	40.00	-19.06
24H	72.05	49.20	1.74	8.18	36.66	22.46	40.00	-17.54
25H	80.02	50.00	1.90	8.10	36.50	23.50	40.00	-16.50
26H	96.07	43.90	2.00	8.53	36.42	18.01	43.50	-25.49
27H	107.92	48.80	2.16	9.63	36.44	24.16	43.50	-19.34
28H	112.50	47.50	2.25	10.00	36.40	23.35	43.50	-20.15
29H	120.04	47.10	2.40	10.60	36.34	23.76	43.50	-19.74
30H	132.31	43.70	2.56	11.29	36.27	21.28	43.50	-22.22

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31H	144.06	45.70	2.65	11.76	36.22	23.89	43.50	-19.61
32H	160.08	51.00	2.78	12.89	36.16	30.51	43.50	-12.99
33H	176.33	44.80	2.91	14.29	36.10	25.90	43.50	-17.60
34H	240.06	43.50	3.42	15.50	35.98	26.44	46.00	-19.56
35H	288.51	36.80	3.76	17.87	36.05	22.38	46.00	-23.62
36V	336.04	43.40	4.12	15.60	36.07	27.04	46.00	-18.96
37V	416.80	41.10	4.87	16.42	35.83	26.56	46.00	-19.44
38V	432.07	41.00	4.93	16.71	35.86	26.77	46.00	-19.23
39V	558.83	38.00	5.52	19.86	35.50	27.87	46.00	-18.13
40H	320.58	38.50	4.02	15.47	36.04	21.96	46.00	-24.04
41H	336.06	41.90	4.12	15.60	36.07	25.54	46.00	-20.46
42H	360.01	40.60	4.32	15.79	36.04	24.67	46.00	-21.33
43H	432.08	41.30	4.93	16.71	35.86	27.07	46.00	-18.93
44H	560.04	36.70	5.52	19.90	35.50	26.62	46.00	-19.38