

Compliance Engineering Services Inc.

Report No. : 990324A6

Date : 03/24/1999

Time : 16:05

>> 3 M RADIATED EMISSION DATA <<

Test Engr : MIKE ZHU

Company : SHAN YEUN CO., LTD.
Equipment Under Test : PIR MOTION DETECTOR
Test Configuration : EUT ONLY
Type of Test : FCC 15.231
Mode of Operation : NORMAL

	Freq.	dBuV-PK	dBuV-AVE	CF(dB)	dBuV-AVE	FCC-B	EUT-B	Note
V/X:								
	314.77	51.5	35.5	-7.9	27.5	74.2	-46.7	Vertical
	629.54	34.4	18.4	-3.5	14.9	54.2	-39.3	Vertical
	944.31	33.5	17.5	2.1	19.6	54.2	-34.6	Vertical
V/Y:								
	314.72	65.3	49.3	-7.9	41.4	74.2	-32.8	Vertical
	629.54	34.5	18.5	-3.5	15.0	55.7	-40.7	Vertical
	944.10	33.5	17.5	2.1	19.6	55.7	-36.1	Vertical
V/Z:								
	314.82	70.1	54.1	-7.9	46.1	74.2	-28.1	Vertical
	629.64	35.2	19.2	-3.5	15.7	54.2	-38.5	Vertical
	944.46	32.6	16.6	2.1	18.7	54.2	-35.5	Vertical
H/X:								
	314.74	72.6	56.6	-8.1	48.4	74.2	-25.8	Horizontal
	629.51	36.2	20.2	-2.9	17.2	54.2	-37.0	Horizontal
	944.25	33.9	17.9	2.7	20.6	54.2	-33.6	Horizontal
H/Y:								
	314.83	67.2	51.2	-8.1	43.0	74.2	-31.2	Horizontal
	629.66	34.9	18.9	-2.9	15.9	54.2	-38.3	Horizontal
	944.49	34.7	18.7	2.7	21.4	54.2	-32.8	Horizontal
H/Z:								
	314.82	66.1	50.1	-8.1	41.9	74.2	-32.3	Horizontal
	629.64	34.9	18.9	-2.9	15.9	54.2	-38.3	Horizontal
	944.46	33.0	17.0	2.7	19.7	54.2	-34.5	Horizontal

Total # of data 18

V.1.0a

Duty cycle calculation: $15.84\text{ms}/100\text{ms}=0.1584$ or $M(\%)=15.84\%$

Analyzer: HP8546A EMI Receiver, 9K-6.5Ghz, cal due: 3/30/99

Antenna: EMC0 3146, 200-2000Mhz, cal due: 3/15/00

Preamplifier: HP8447D, 0.1-1300Mhz, cal due: 10/27/99