ITS Intertek Testing Services
ETL SEMKO

January 10, 2000

Federal Communications Commission
Equipment Authorization Division
Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21046

Attention: Mr. Joe Dichoso

Reference: RFC Distribution (S) PTE Ltd., FCC ID: OQ4RFC001
Confirmation # EA95625, Reference # 11664

Dear Joe:

As requested, here is the sample calculations for output power and power spectral density:

The output power was measured using "Substitution" method. The half wave dipole was placed on the turn table at 3m distance; the fixed power was input to dipole (generator output) (ex.8.2 dBm). Maximum field strength was measured (dipole reading) (ex.83.7 dBuV). Dipole was replaced by EUT. Maximum field strength was measured again (EUT reading) (ex. 86.4 dBuV). The EUT output power was calculated by:

EUT (ERP)	=	Generator Output + (EUT Reading – Dipole Reading)
	=	8.2 + (86.4 – 83.7)
	=	10.9 dBm
EUT (EIRP)	=	EUT (ERP) + 2 = 12.9 dBm

Output power density was measured with "Substitution" method. The half wave dipole was placed on the turn table at 3m distance; the fixed power was input to dipole (generator output) (ex.8.2 dBm). Maximum field strength was measured (dipole reading) (ex 83.7 dBuV). Dipole was replaced by EUT. Maximum field strength of power density was measured again (EUT reading) (ex 74.7 dBuV). The EUT output power density was calculated by:

EUT (ERP Power Density)	=	Generator + (EUT Reading – Dipole Reading)
	=	8.2 + (74.7 – 83.7) = -0.8 dBm
EUT (EIRP Power Density)	=	EUT (ERP Power Density) + 2
	=	-0.8 + 2 = 1.2 dBm

See attached pages for the output power and power spectral density test results.

Should you need more, please feel free to contact Xi-Ming Yang or the undersigned.

Thanks and regards,

Gaspara Lim
Enclosures

ITS Intertek Testing Services

Company: RFC Distribution
Project #: J99022752
Model: USB Cordless Phone 900D
Engineer: Xi-Ming Yang
Date of test: April 6, 1999

FCC Part 15.247 Radiated Emissions (Output Power)

Handset

Frequency	Antenna Polarity	EUT .Reading	Diple Reading	Genelator Output	EUT ERP	EUT EIRP	
MHz	H/V	dB(uV)	dB(uV)	dBm	dBm	dBm	
903.2	H	86.4	83.7	8.2	10.9	12.9	★
913.6	H	83.4	81.7	8.4	10.1	12.1	
924.5	H	85.0	82.7	8.0	10.3	12.3	

Base

Frequency	Antenna Polarity	EUT .Reading	Diple Reading	Genelator Output	EUT ERP	EUT EIRP
MHz	H/V	dB(uV)	dB(uV)	dBm	dBm	dBm
902.3	H	92.6	82.7	7.8	17.7	19.7
913.8	H	93.3	82.5	7.9	18.7	20.7
924.5	H	91.3	83.0	7.8	16.1	18.1

Note:
1. All measurement were made at 3 meters
2. Substitution was used to obtained the power reading

ITS Intertek Testing Services

Company: **RFC Distribution**
Project #: **J99022752**
Model: **USB Cordless Phone 900D**
Engineer: **Xi-Ming Yang**
Date of test: **April 6, 1999**

FCC Part 15.247 Radiated Emissions (Output Power Density)

Handset

Frequency	Antenna Polarity	EUT .Reading	Diple Reading	Genelator Output	EUT Power Density	EUT Power Density	
MHz	H/V	dB(uV)	dB(uV)	dBm	ERP(dBm)	EIRP(dBm)	
902.6	H	74.7	83.7	8.2	-0.8	1.2	★
913.1	H	71.7	81.7	8.4	-1.6	0.4	
924.4	H	73.3	82.7	8.0	-1.4	0.6	

Base

Frequency	Antenna Polarity	EUT .Reading	Diple Reading	Genelator Output	EUT Power Density	EUT Power Density
MHz	H/V	dB(uV)	dB(uV)	dBm	ERP(dBm)	EIRP(dBm)
902.6	H	75.6	82.7	7.8	0.7	2.7
913.1	H	77.5	82.5	7.9	2.9	4.9
924.4	H	77.3	83.0	7.8	2.1	4.1

Note: 1. All measurement were made at 3 meters
2. Substitution was used to obtained the power reading