

A

Company: GVC Corporation
Project #: J98026020
Model: 39520 (Handset Tx)
Engineer: Xi-Ming Yang
Date of test: January 21, 1999

FCC 15.247 Radiated Emissions(Output Power)

Frequency	Antenna	Reading	Antenna	Cable	Corrected	EUT	ERP	ERP
	Polarity		Factor	Loss	Reading	Ant Gan		
MHz	H/V	dB(uV)	dB(1/m)	dB	dB(uV/m)	dB	dBm	Watts
903.6	V	92.5	22.7	1.3	116.5	-1.6	19.7	0.933
914.4	V	92.1	22.9	1.3	116.3	-1.6	19.5	0.891
926.4	V	92.2	22.7	1.3	116.2	-1.6	19.4	0.871

- Note:**
1. All measurement were made at 3 meters
 2. Output Power (EIRP)
 $P(w) = (E*d)^2/30$
 $10\log P = 10\log((E*d)^2/30)$
 $P(dBw) = 10\log((d)^2/30) + 10\log ((E)^2)$
 $P(dBm) - 30dB = 10\log(9/30) + 20\log(E) \quad d = 3m$
 $P(dBm) - 30dB = -5.23dB + E(dBuV/m) - 120dB$
 $P(dBm) = E(dBuV/m) - 95.2dB$
 3. Output Power (ERP)= Output Power(EIRP)-1.6(EUT Ant Gan)



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	Polarity		Factor	Loss	Reading	Ant Gan		
MHz	H/V	dB(uV)	dB(1/m)	dB	dB(uV/m)	dB	dBm	Watts
903.6	V	92.6	22.7	1.3	116.6	-1.6	19.8	0.955
914.4	V	91.8	22.9	1.3	116.0	-1.6	19.2	0.832
926.4	V	92.4	22.7	1.3	116.4	-1.6	19.6	0.912

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 $P(w) = (E*d)^2/30$
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 $P(dBw) = 10\log((d)^2/30) + 10\log ((E)^2)$
 $P(dBm) - 30dB = 10\log(9/30) + 20\log(E) \quad d = 3m$
 $P(dBm) - 30dB = -5.23dB + E(dBuV/m) - 120dB$
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 3. Output Power (ERP)= Output Power(EIRP)-1.6(EUT Ant Gan)



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FCC 15.247 Radiated Emissions(Output Power Density)

Frequency	Antenna	Reading	Antenna	Cable	Corrected	EUT	ERP
MHz	Polarity		Factor	Loss	Reading	Ant Gan	
	H/V	dB(uV)	dB(1/m)	dB	dB(uV/m)	dB	dBm
904.5	V	78.6	22.7	1.3	102.6	-1.6	5.8
914.9	V	76.8	22.9	1.3	101.0	-1.6	4.2
925.5	V	78.6	22.7	1.3	102.6	-1.6	5.8

- Note:**
- 1. All measurement were made at 3 meters**
 - 2. Output Power (EIRP)**
 $P(w) = (E*d)^2/30$
 $10\log P = 10\log((E*d)^2/30)$
 $P(dBw) = 10\log((d)^2/30) + 10\log ((E)^2)$
 $P(dBm) - 30dB = 10\log(9/30) + 20\log(E) \quad d = 3m$
 $P(dBm) - 30dB = -5.23dB + E(dBuV/m) - 120dB$
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 - 3. Output Power (ERP)= Output Power(EIRP)-1.6(EUT Ant Gan)**

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Frequency	Antenna	Reading	Antenna	Cable	Corrected	EUT	ERP
	Polarity		Factor	Loss	Reading	Ant Gan	
MHz	H/V	dB(uV)	dB(1/m)	dB	dB(uV/m)	dB	dBm
904.5	V	79.5	22.7	1.3	103.5	-1.6	6.7
914.7	V	76.4	22.9	1.3	100.6	-1.6	3.8
925.5	V	77.8	22.7	1.3	101.8	-1.6	5.0

- Note:**
1. All measurement were made at 3 meters
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 $10\log P = 10\log((E*d)^2/30)$
 $P(dBw) = 10\log((d)^2/30) + 10\log ((E)^2)$
 $P(dBm) - 30dB = 10\log(9/30) + 20\log(E) \quad d = 3m$
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 3. Output Power (ERP)= Output Power(EIRP)-1.6(EUT Ant Gan)