

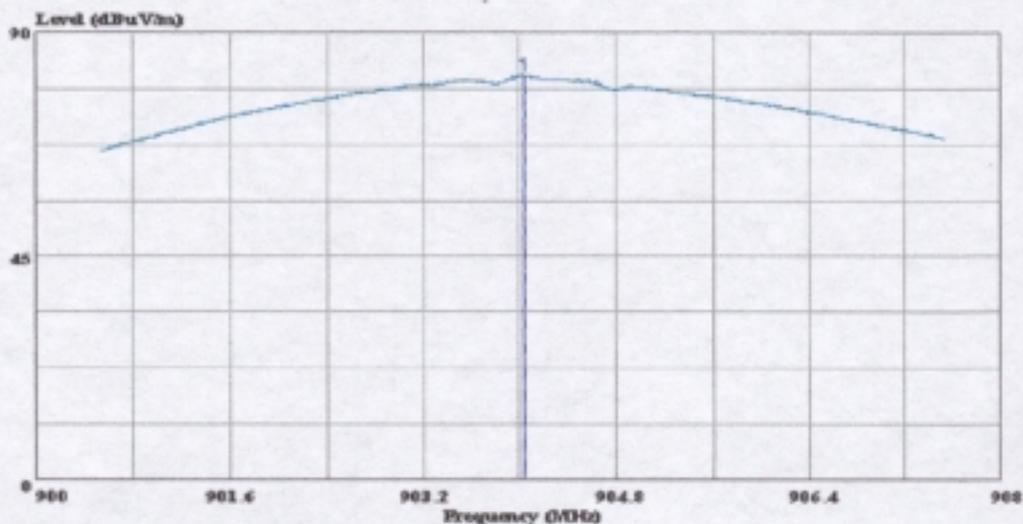


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## PEP Testing Laboratory

Data#: 2310 File#: E2000.eml

Date: 2001-05-29 Time: 17:01:08



Trace: 2349  
 Site : Chamber No.3(Jason Gong)-Linko Site  
 Condition: 3m ANT,3M(V) VERTICAL  
 eat : F004U  
 power : AC 115V / 60Hz  
 memo : Peak Value  
 : Channel 1: 904.2MHz  
 : Part No. FB004  
 : Test : E.I.R.P  
 : RBW : 3MHz; VBW:3MHz ; Span:5MHz

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	Freq	Level	Over Limit	Limit	Read	Probe	Cable	Preamp
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB
1	904.037	81.22	-----	-----	74.90	23.53	2.79	20.00

Level = 81.22  
 $E (v/m) = 10^{(81.22/20)} \times 10^{-6} = 10^{4.1} \times 10^{-6} = 0.013$   
 $E.I.R.P = [0.013 \times 3]^2 / 30 = 0.05mw$   
 E.I.R.P = 0.05mw 且 < 1W 故 pass

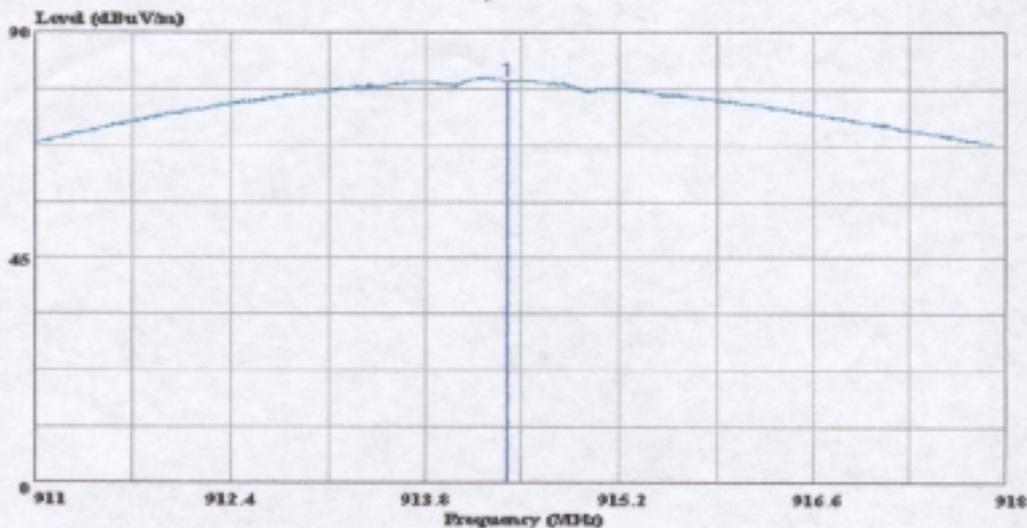


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## PEP Testing Laboratory

Data#: 2306 File#: E2000.emi

Date: 2001-05-29 Time: 16:42:22



Trace: 2305

Site : Chamber No.3(Jason Gong)-Linko Site  
 Condition: 3m ANT.3M(H) HORIZONTAL  
 out : F004U  
 power : AC 115V / 60Hz  
 memo : Peak Value  
       : Channel 1: 914.4MHz  
       : Part No. FB004  
       : Test : E.I.R.P  
       : RBW : 3MHz; VBW:3MHz ; Span:5MHz

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	Freq	Level	Over	Limit	Read	Probe	Cable	Preamp
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor
			dB	dBuV/m	dBuV	dB	dB	dB
1	914.400	80.37	-----	-----	73.66	23.93	2.78	20.00

Level = 80.37

$$E (v/m) = 10^{(80.37/20)} \times 10^{-6} = 10^4 \times 10^{-6} = 0.01$$

$$E.I.R.P = [0.01 \times 3]^2 / 30 = 0.03mw$$

E.I.R.P = 0.03mw 且 < 1W 故 pass

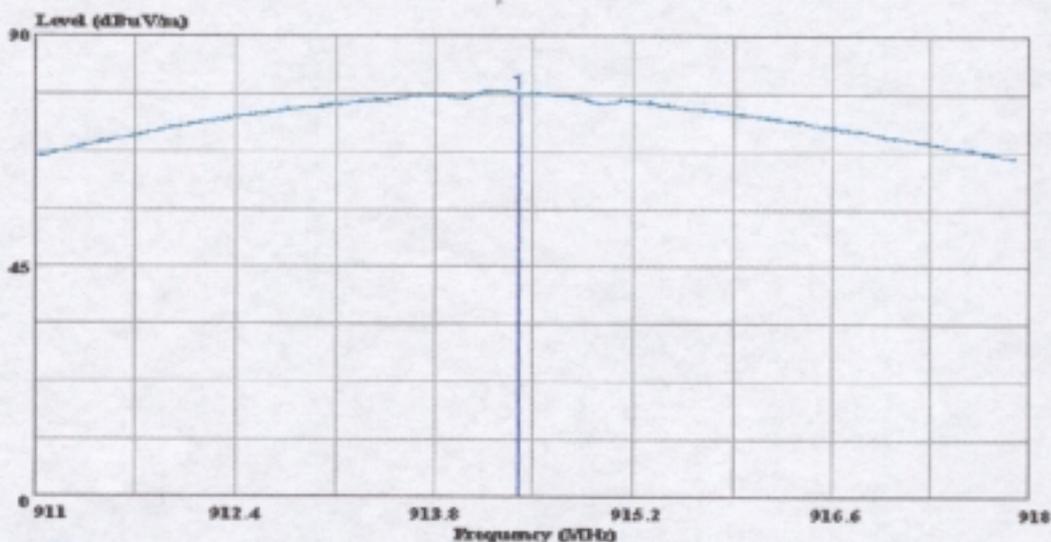


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## PEP Testing Laboratory

Data#: 2304 File#: E2000.emi

Date: 2001-05-29 Time: 16:30:24



Trace: 2303  
 Site : Chamber No.3(Jason Gong)-Linko Site  
 Condition: 3m ANT.3M(V) VERTICAL  
 eut : F004U  
 power : AC 115V / 60Hz  
 memo : Peak Value  
 : Channel 1: 914.4MHz  
 : Part No. FB004  
 : Test : E.I.R.P  
 : RBW : 3MHz; VBW:3MHz ; Span:5MHz

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	Freq	Level	Over Limit	Limit	Read	Probe	Cable	Preamp
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB
1	914.400	78.82	-----	-----	72.11	23.93	2.78	20.00

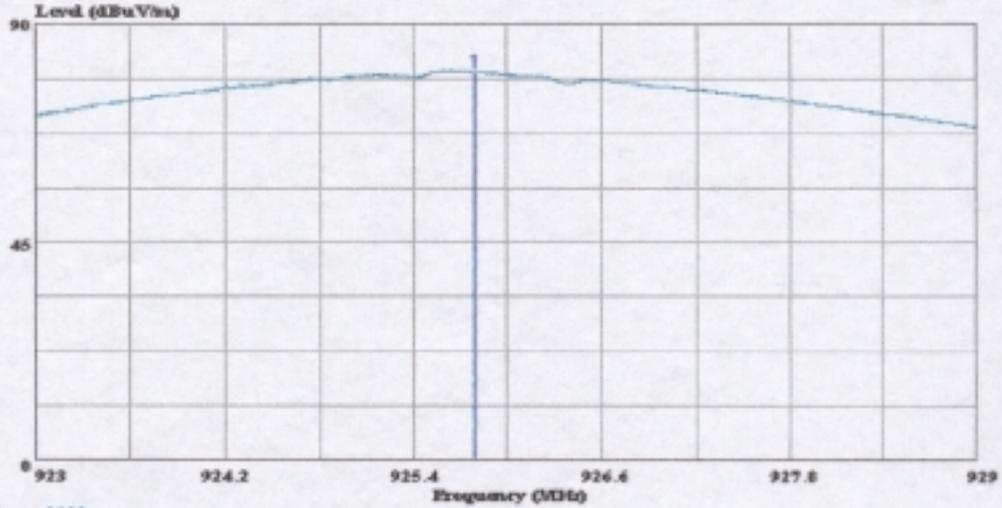
Level = 78.82  
 $E (v/m) = 10^{(78.82/20)} \times 10^{-6} = 10^{3.9} \times 10^{-6} = 0.008$   
 $E.I.R.P = [0.008 \times 3]^2 / 30 = 0.0192mw$   
 E.I.R.P = 0.0192mw 且 < 1W 故 pass



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PEP Testing Laboratory

Data#: 2300 File#: E2000.emi

Date: 2001-05-29 Time: 16:17:57



Trace: 2299  
 Site : Chamber No.3 (Jason Gong)-Linko Site  
 Condition: 3m ANT.3M(H) HORIZONTAL  
 out : F0040  
 power : AC 115V / 60Hz  
 memo : Peak Value  
       : Channel 1: 925.8MHz  
       : Prnt No.FB004  
       : Test : E.I.R.P  
       : RBW : 3MHz; VBW:3MHz ; Span:5MHz

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	Over	Limit	Read	Probe	Cable	Preamp		
Freq	Level	Limit	Line	Level	Factor	Loss		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		
1	925.800	79.97	-----	-----	72.81	24.39	2.77	20.00

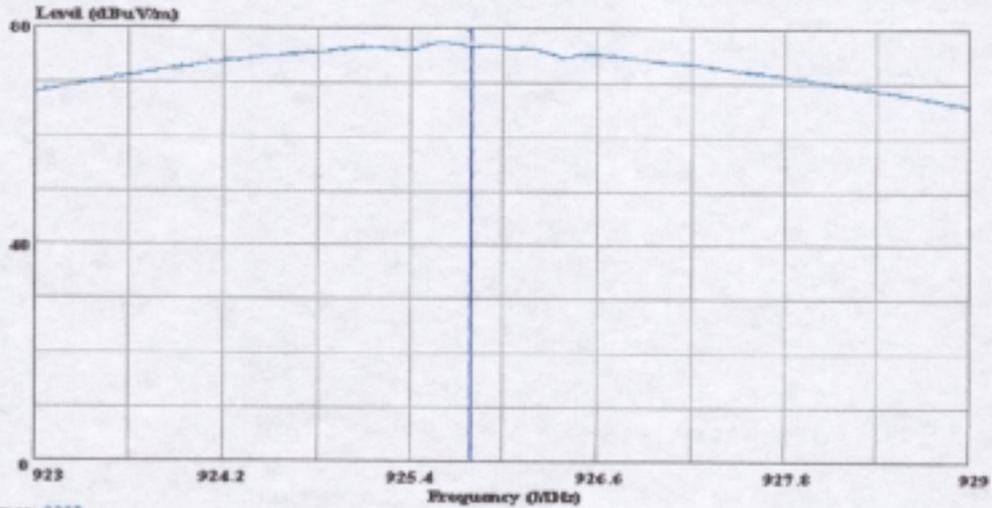
Level = 79.97  
 $E (v/m) = 10^{(79.97/20)} \times 10^{-6} = 10^4 \times 10^{-6} = 0.01$   
 $E.I.R.P = [0.01 \times 3]^2 / 30 = 0.03mw$   
 E.I.R.P = 0.03mw 且 < 1W 故 pass



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PEP Testing Laboratory

Data#: 2302 File#: E2000.emi

Date: 2001-05-29 Time: 16:23:29



Trace: 2301  
 Site : Chamber No.3(Jason Gong)-Linko Site  
 Condition: 3m ANT.3M(V) VERTICAL  
 cut : F004U  
 power : AC 115V / 60Hz  
 memo : Peak Value  
       : Channel 1: 925.8MHz  
       : Part No.FB004  
       : Test : E.I.R.P  
       : RBW : 3MHz; VBW:3MHz ; Span:5MHz

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	Over	Limit	Read	Probe	Cable	Preamp		
Freq	Level	Limit	Line	Level	Factor	Loss Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB		
1	925.800	76.77	-----	-----	69.61	24.39	2.77	20.00

Level = 76.77  
 $E (v/m) = 10^{(76.77/20)} \times 10^{-6} = 10^{3.8} \times 10^{-6} = 0.0063$   
 $E.I.R.P = [0.0063 \times 3]^2 / 30 = 0.0012mw$   
 E.I.R.P = 0.0012mw . 且 < 1W 故 pass

#### 4.4 Spurious Emissions Test

##### 4.4.1 Test result of second harmonic

FCC ID : FU5F004U

EUT Model No. FB004

RBW = 100KHz , VBW = 100MHz , Span = 2.5MHz

Channel	Antenna Polarity (H/V)	Fundamental Frequency (MHz)	(1) Fundamental Level (dBuV/m)	2 <sup>nd</sup> Harmonic Frequency (GHz)	(2) 2 <sup>nd</sup> Harmonic Level (dBuV/m)	(3) Result (1) – (2) (dB)	(4) Limit (dB)
Top	H	904.2	81.66	1.808	42.51	39.15	20
	V		81.22		40.55	40.67	
Middle	H	914.4	80.37	1.828	40.71	39.66	20
	V		78.82		40.28	38.54	
Bottom	H	925.8	79.97	1.851	42.77	37.20	20
	V		76.77		41.63	35.14	

**Note :** column (3) must at least over 20 dB .

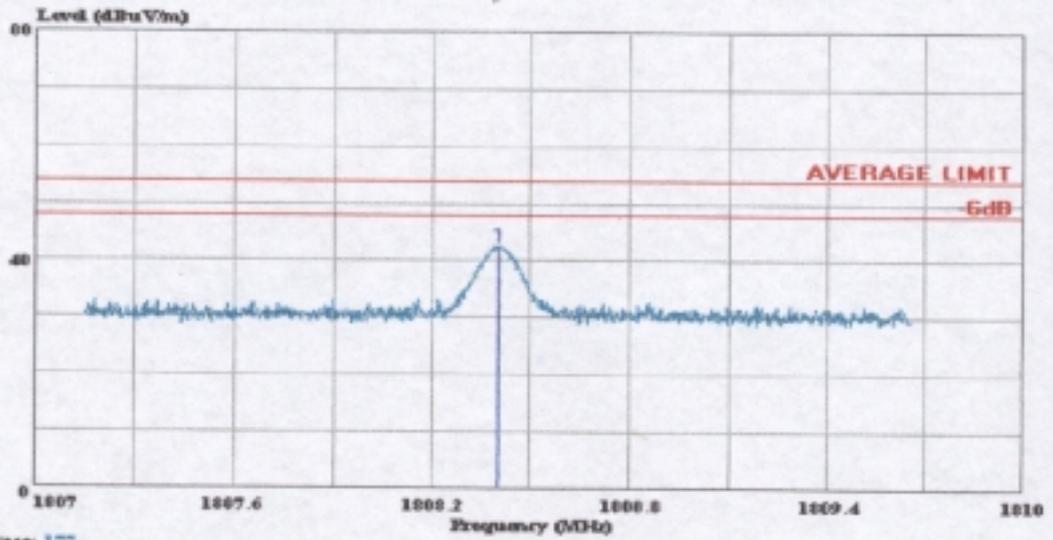
FCC ID : FU5F004U

EUT Model No. FB004



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PEP Testing Laboratory

Data#: 178 File#: 1g-5g.emi Date: 2001-05-30 Time: 20:25:48



Trace: 177  
 Site : Chamber No.3(Jason Gong)-Linko Site  
 Condition: AVERAGE LIMIT 3m HORN.3(H) HORIZONTAL  
 eut : F004U  
 power : AC 115V 60Hz  
 memo : Average Value  
 : Harmonic  
 : RBW:100KHz;VBW:100KHz;Span:2MHz  
 : Part No. FB004  
 : Channel 1 : 904.2\*2-1808.4MHz

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Freq	Level	Over Limit	Limit	Read	Probe	Cable	Preamp
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB
1 1808.407	42.51	-11.49	54.00	31.75	27.69	3.07	20.00