

01/05/05 Substitution Measurement
 Compliance Certification Services, Morgan Hill 5m Chamber Site

Test Engr: Dave & Thu
 Project #: Sample Request
 Company: Kocera Wireless Corporation
 EUT Descrip.: Wireless PCMCIA Card
 EUT M/N: KPC 650
 Test Target: FCC 22 & 24
 Mode Oper: Tx Mode at Worst EUT's Antenna Position

Test Equipment:

EMCO Horn 1-18GHz T120; S/N: 29310 @ 3m	Horn > 18GHz	Limit FCC 22 & 24
Hi Frequency Cables <input type="checkbox"/> (2 ft) <input type="checkbox"/> (2 ~ 3 ft) <input checked="" type="checkbox"/> (4 ~ 6 ft) <input type="checkbox"/> (12 ft)		
Pre-amplifer 1-26GHz		Pre-amplifer 26-40GHz

f MHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	EUT Antenna Position
T120 Horn Antenna (CMU200 Expected Value "25.0 dBm" and Power Control Bits "AUTO")										
824.70	101.2	V	25.9	0.5		0.0	25.4	33.0	-7.6	Antenna in Vertical
836.49	99.0	V	23.5	0.5		0.0	23.0	33.0	-10.0	Antenna in Vertical
848.31	97.0	V	21.5	0.5		0.0	21.0	33.0	-12.0	Antenna in Vertical
f GHz	SA reading (dBuV/m)	Ant. Pol. (H/V)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	EIRP (dBm)	Limit (dBm)	Margin (dB)	EUT Antenna Position
T120 Horn Antenna (CMU200 Expected Value "20.0 dBm" and Power Control Bits "AUTO")										
1.851	92.8	V	22.3	0.9	4.4		25.8	33.0	-7.2	Antenna in Vertical
1.880	92.4	V	22.0	0.9	4.4		25.5	33.0	-7.5	Antenna in Vertical
1.909	92.7	V	22.2	0.9	4.4		25.7	33.0	-7.3	Antenna in Vertical