

2. RADIATED FIELD STRENGTH

DATA SHEET (FCC Measurement Procedure MP-5)

FCC ID: APYDMR0121

Model R-410C

Magnetron: 2M246, mfd by LG Electronics

Date: November 10-12, 1998

	Frequency (MHz)	Load (ml)	Place of the load	Antenna Factor (dB)	Cable Loss (dB)	Reading Data (dBuV @:3m)		Radiated Field Strength (uV/m @:300m)	
						Vertical	Horizen	Vertical	Horizen
Fundamental	2466	1500	Center	20.70	1.03	82	85	978.80	1382.59
2nd Harmonic	4906	1050	Center	20.50	1.58	43	38	17.95	10.09
	4924	1050	R.F.Corner	20.50	1.58	41	36	14.26	8.02
	4922	450	Center	20.50	1.58	47	44	28.45	20.14
	4916	450	R.F.Corner	20.50	1.58	46	42	25.35	16.00
3rd Harmonic	7373	1050	Center	19.20	2.10	26	27	2.32	2.60
	7368	1050	R.F.Corner	19.20	2.10	28	29	2.92	3.27
	7388	450	Center	19.20	2.10	28	30	2.92	3.67
	7383	450	R.F.Corner	19.20	2.10	25	27	2.07	2.60
4th Harmonic	9813	1050	Center	20.00	2.62	25	25	2.40	2.40
Sprious F<1000, 4575<F	-	1050	Center	-	-	-	-	-	-
	-	1050	Center	-	-	-	-	-	-
Spurious 1000<F<4575	2553	1050	Center	20.80	1.04	24	24	1.29	1.29
	-	1050	Center	-	-	-	-	-	-
Emission Sideband	2400	1500	Center	20.70	1.01	29	32	2.13	3.01
	2415	1500	Center	20.70	1.02	35	37	4.28	5.39
	2485	1500	Center	20.70	1.03	21	22	0.88	0.99
	2500	1500	Center	20.80	1.04	21	22	0.89	1.00

Emission observed from 100 MHz through 18 GHz by spectrum analyzer. No significant emission was detected except for above data.

Microwave Leakage at 5 cm on fundamental : 0.06 mW/cm

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Since the RF output power rating is more than 1000 W, the load for measurment was increased 50%.