

2. RADIATED FIELD STRENGTH

DATA SHEET (FCC Measurement Procedure MP-5)

FCC ID: APYDMR0121

Model R-410C

Magnetron: 2M253J(L), mfd by Toshiba

Date: November 12-16, 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	2457	1500	Center	20.70	1.03	82	83	975.46	1094.48
2nd Harmonic	4905	1050	Center	20.50	1.58	37	34	9.00	6.37
	4925	1050	R.F.Corner	20.50	1.58	33	28	5.68	3.19
	4905	450	Center	20.50	1.58	34	34	6.37	6.37
3rd Harmonic	4897	450	R.F.Corner	20.50	1.58	35	28	7.15	3.19
	7363	1050	Center	19.20	2.10	33	32	5.19	4.62
	7325	1050	R.F.Corner	19.20	2.10	32	34	4.62	5.82
	7369	450	Center	19.20	2.10	32	32	4.62	4.62
	7342	450	R.F.Corner	19.20	2.10	34	35	5.82	6.53
4th Harmonic	9816	1050	Center	20.00	2.62	44	45	21.43	24.04
Sprious F<1000, 4575<F	14717	1050	Center	19.20	3.56	36	38	8.67	10.91
	17169	1050	Center	18.60	4.20	31	38	4.90	10.97
Spurious 1000<F<4575	2378	1050	Center	20.70	1.00	25	24	1.33	1.19
	1348	1050	Center	21.80	0.80	29	27	1.06	0.84
Emission Sideband	2400	1500	Center	20.70	1.01	34	36	3.79	4.77
	2415	1500	Center	20.70	1.02	38	40	6.05	7.61
	2485	1500	Center	20.70	1.03	23	24	1.11	1.24
	2500	1500	Center	20.80	1.04	28	26	2.00	1.59

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 : 0.07 mW/cm

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