

15.109 Radiated Emission Limits.

- (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

FREQUENCY	FIELD STRENGTH
IN MHZ:	IN uV / M:
30-88.....	100
88-216.....	150
216-960.....	200
Above 960.....	500

- (4) $F_o = 315\text{MHz}$. $LO = 304.3\text{MHz}(315-10.7)$ Crystal frequency = 50.71666
 (5) Detector = Peak
 (6) Frequency range scanned to 4 GHz. (Emissions not reported were more than 20dB below the specified limit).

[(Meter reading + Cable/Amp factor + Antenna factor) / 20]

- (7) Conv. Reading = 10
 (8) Corr. Reading = Conv. Reading X Duty Cycle
 (9) Date : 11/05/2007 Tested by :Y. Mohammed Approved by : Ken Addy

Freq. (MHz)	Antenna Polarity (V/H)	Meter Reading (dB uV)	Cable/Amp Factor (dB)	Antenna Factor (dB/M)	Conv. Reading (uV/M)	Duty Cycle (%)	Corr. Reading (uV/M)	Limit @ 3M (uV/M)
30			CABLE "A"+"B"	BICONOLOG				604
50.716	h	24.00	0.30	15.60	98.9	100.0%	98.9	100
101.433	h	24.00	1.40	10.21	60.3	100.0%	60.3	150
152.150	h	24.00	1.60	13.41	89.2	100.0%	89.2	150
202.867	h	24.00	2.00	11.63	76.1	100.0%	76.1	150
253.583	h	24.00	2.20	12.03	81.6	100.0%	81.6	200
304.300	h	24.00	2.50	13.32	97.9	100.0%	97.9	200
355.017	h	24.00	2.60	15.06	121.1	100.0%	121.1	200
405.733	h	24.00	2.80	16.43	145.0	100.0%	145.0	200
456.450	h	24.00	3.00	16.40	147.9	100.0%	147.9	200
507.167	h	24.00	3.10	16.73	155.4	100.0%	155.4	200
557.883	h	24.00	3.20	17.97	181.3	100.0%	181.3	200
608.600	h	24.00	3.50	18.1	190.5	100.0%	190.5	200
4000			CABLE "A"+"B"	BICONOLOG				

Note: Limit = 500 uV/m above 960 MHz