



4.2 TEST DATA OF CONDUCTED EMISSION

EUT: COLOR MONITOR

MODEL: 9AXX

MODE: 1600x1200 (93.7 kHz)

6 dB Bandwidth: 10 kHz

TEST PERSONNEL: *Howard Chen*

Freq.	L Level		N Level		Limit		Margin [dB (μV)]			
[MHz]	[dB (μV)]		[dB (μV)]		[dB (μV)]		L		N	
	QP	AV	QP	AV	QP	AV	QP	AV	QP	AV
0.186	51.60	-	49.10	-	64.21	54.21	-12.6	-	-15.1	-
0.282	27.80	-	31.90	-	60.75	50.75	-33.0	-	-28.9	-
3.282	18.40	-	21.50	-	56.00	46.00	-37.6	-	-34.5	-
4.686	23.50	-	24.50	-	56.00	46.00	-32.5	-	-31.5	-
7.778	48.00	-	46.80	-	60.00	50.00	-12.0	-	-13.2	-
15.374	32.80	-	35.00	-	60.00	50.00	-27.2	-	-25.0	-

- Remarks:
1. "*": Undetectable
 2. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 3. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 4. The emission level of other frequencies were very low against the limit.
 5. Margin value = Emission level - Limit value

ADT CO. SITE 5
CISPR 22 CLASS B

14. Apr 98 20:46

EUT: 9AXX
Op Cond: 1600X1200 93KHz
Operator: howard
Test Spec: LISN : L
Comment: 110V AC / 60Hz

Report No. F87041407

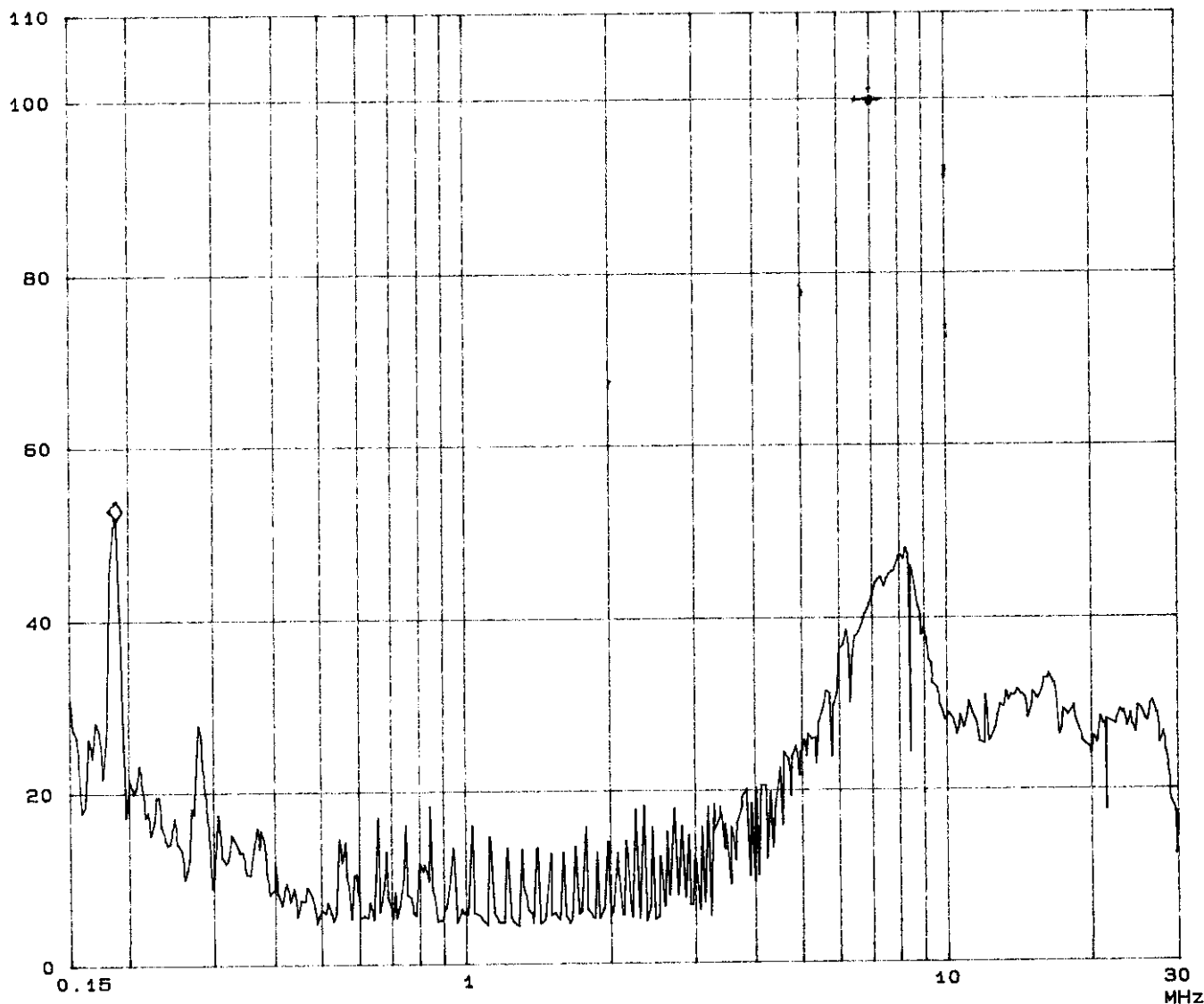
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Tested by *Howard Chen*

Fast Scan Settings (3 Ranges)

Frequencies			Receiver Settings						
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge	
150k	450k	3k	10k	PK	1ms	10dB	LN OFF	60dB	
450k	5M	3k	10k	PK	1ms	10dB	LN OFF	60dB	
5M	30M	3k	10k	PK	1ms	10dB	LN OFF	60dB	

dBuV $\diamond$ Mkr : 189.00 kHz 51.6 dBuV



ADT CO. SITE 5
CISPR 22 CLASS B

14. Apr 98 20:54

EUT: 9AXX
Op Cond: 1600X1200 93KHz
Operator: howard
Test Spec: LISN : N
Comment: 110V AC / 60Hz

Report No. F87041407

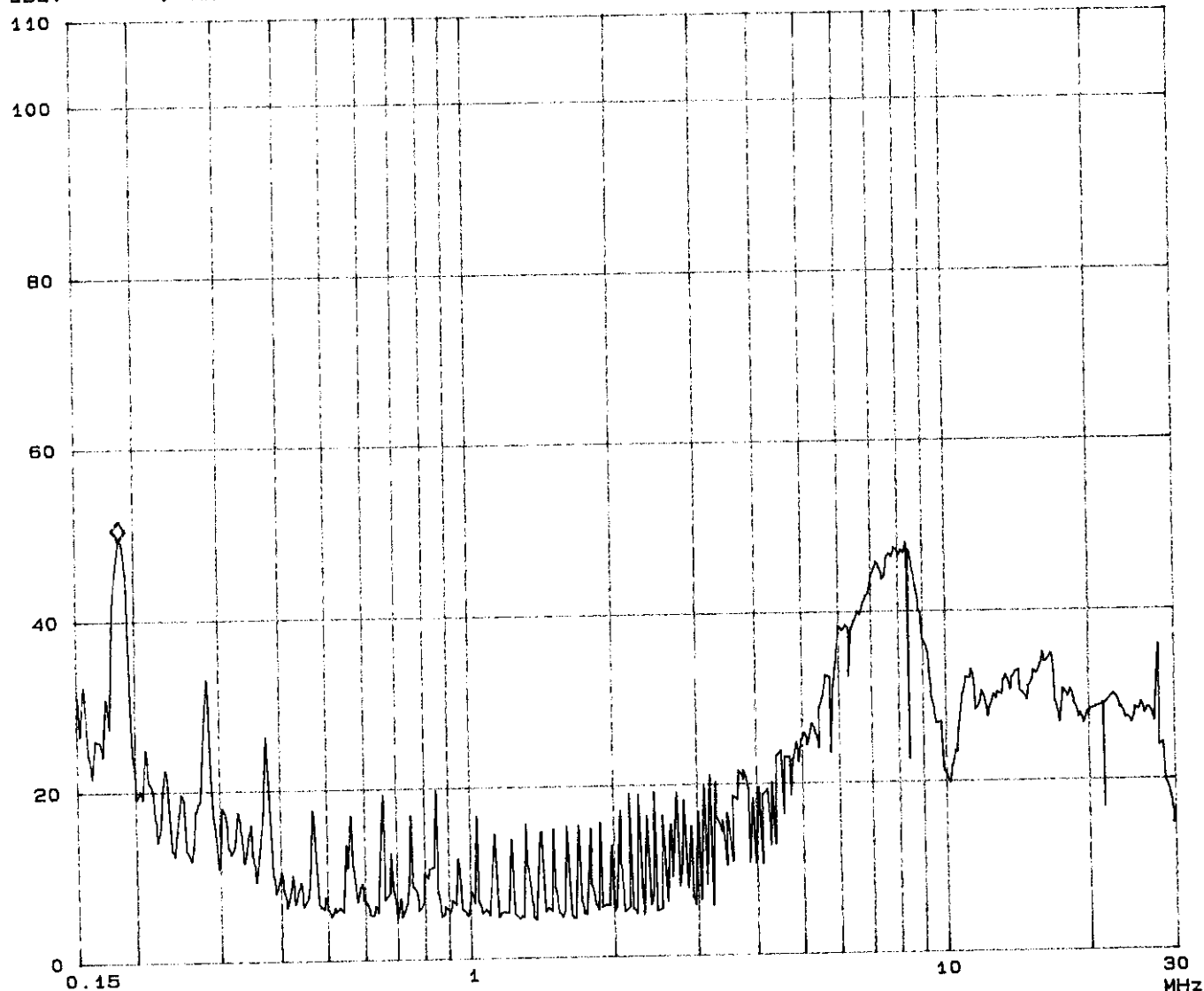
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Tested by Howard Chan

Fast Scan Settings (3 Ranges)

Frequencies			Receiver Settings						
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge	
150k	450k	3k	10k	PK	1ms	10dBLN	OFF	60dB	
450k	5M	3k	10k	PK	1ms	10dBLN	OFF	60dB	
5M	30M	3k	10k	PK	1ms	10dBLN	OFF	60dB	

dBuV ◇ Mkr : 186.00 kHz 49.3 dBuV





4.3 TEST DATA OF RADIATED EMISSION

EUT: COLOR MONITOR

MODEL: 9AXX

MODE: 1600x1200 (93.7 kHz)

POLARITY: Horizontal

ANTENNA: CHASE BILOG CBL6111A / EMCO Horn 3115

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
 Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz

MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz

MEASURED DISTANCE: 3 M

 TEST PERSONNEL *Howard Chou*

Frequency (MHz)	Correction Factor (dB/m)	Reading Data (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
38.70	16.2	4.4	20.6	30.0	-9.4
60.78	7.4	9.3	16.7	30.0	-13.3
101.28	11.8	8.5	20.3	30.0	-9.7
162.02	11.4	11.2	22.6	30.0	-7.4
202.52	11.7	9.9	21.6	30.0	-8.4
222.75	12.8	6.5	19.3	30.0	-10.7
263.16	14.9	12.8	27.7	37.0	-9.3
283.43	15.3	7.6	22.9	37.0	-14.1

- REMARKS :
1. Emission level (dBuV/m) = Correction Factor(dB/m) + Meter Reading (dBuV).
 2. Correction Factor(dB/m) = Ant. Factor(dB/m)+Cable loss(dB)
 3. The other emission levels were very low against the limit.
 4. Margin value = Emission level - Limit value



TEST DATA OF RADIATED EMISSION

EUT: COLOR MONITOR

MODEL: 9AXX

MODE: 1600x1200 (93.7 kHz)

POLARITY: Vertical

ANTENNA: CHASE BILOG CBL6111A / EMCO Horn 3115

DETECTOR FUNCTION AND BANDWIDTH: Quasi peak, 120 kHz (30-1000 MHz)
 Peak, 1 MHz (1000 MHz-2000 MHz)

FREQUENCY RANGE: 30-1000 MHz

MEASURED DISTANCE: 10 M

FREQUENCY RANGE: 1000-2000 MHz

MEASURED DISTANCE: 3 M

TEST PERSONNEL: *Howard Chen*

Frequency (MHz)	Correction Factor (dB/m)	Reading Data (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
38.70	16.3	11.1	27.4	30.0	-2.6
60.78	6.8	20.7	27.5	30.0	-2.5
101.29	9.1	14.3	23.4	30.0	-6.6
162.05	11.4	14.6	26.0	30.0	-4.0
202.42	11.4	10.5	21.9	30.0	-8.1
222.79	13.3	6.9	20.2	30.0	-9.8
263.17	16.0	6.6	22.6	37.0	-14.4
283.53	15.3	12.1	27.4	37.0	-9.6

REMARKS :

1. Emission level (dBuV/m) = Correction Factor(dB/m) + Meter Reading (dBuV).
2. Correction Factor(dB/m) = Ant. Factor(dB/m)+Cable loss(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level - Limit value