

**Test Company Name Hermon Laboratory**

Date 06 February 2003  
 Temperature 21°C  
 Humidity 45%  
 Air pressure 1017 hPa  
 Job Number 15393  
 Test Name FCC 15.107; 15.207 – AC Line Conducted Emissions  
 EUT Name WLAN 2.4 GHz, One Access Point  
 EUT Model Number ModuLite 810  
 Site Description **Shielded room #1**  
 Test equipment 163, 447, 521 787, 1003  
 Operator Name Boris E  
 Customer Name Foxcom Wireless  
**Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)**

**AC to DC power supply for amplifier when is in Modulite Remote Cover (MRC).**

**LAMBDA Model: JWS150-48/A (48VDC, 100W)**

With filter: SCHURTER S200-2-23

Notes 120V AC Line: Neutral

08:37:37 FEB 06, 2003

START  
150 kHz

ACTV DET: PEAK  
 MEAS DET: PEAK QP AVG  
 MKR 100 kHz  
 43.81 dBµV

MEASURE  
AT MKR

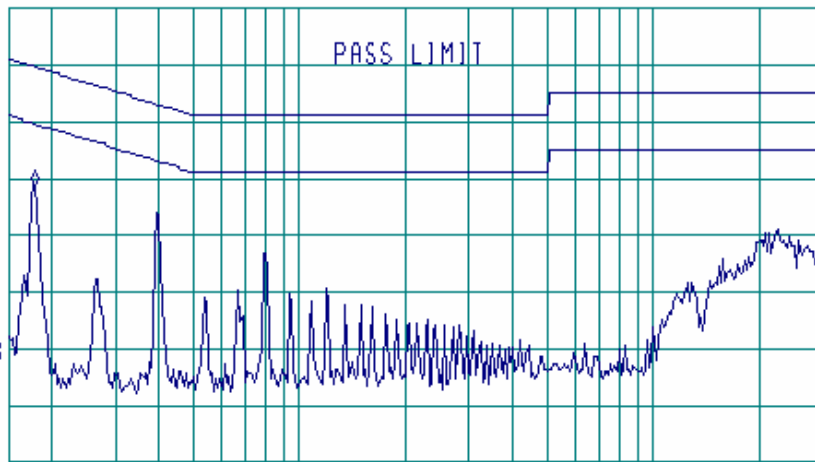
ADD TO  
LIST

LOG REF 75.0 dBµV

10  
dB/  
ATN  
10 dB

PASS LIMIT

VA SB  
SC FC  
ACORR



START 150 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.49 sec

CLEAR  
WRITE A

MAX  
HOLD A

VIEW A

BLANK A

Trace  
A B C

More  
1 of 3

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.179102	45.74	43.30	-21.28	64.58	30.15	-24.43	54.58	10.21
2	0.401416	39.75	38.97	-18.87	57.84	38.39	-9.45	47.84	10.22
3	0.800777	32.34	31.54	-24.46	56.00	31.33	-14.67	46.00	10.25
4	0.945316	28.50	24.80	-31.20	56.00	22.46	-23.54	46.00	10.25
5	22.852588	37.45	33.24	-26.76	60.00	26.74	-23.26	50.00	11.59
6	26.226609	35.11	32.78	-27.22	60.00	17.80	-32.20	50.00	11.83

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With filter: SCHURTER S200-2-23

Notes 120V AC Line: Neutral

08:56:28 FEB 06, 2003

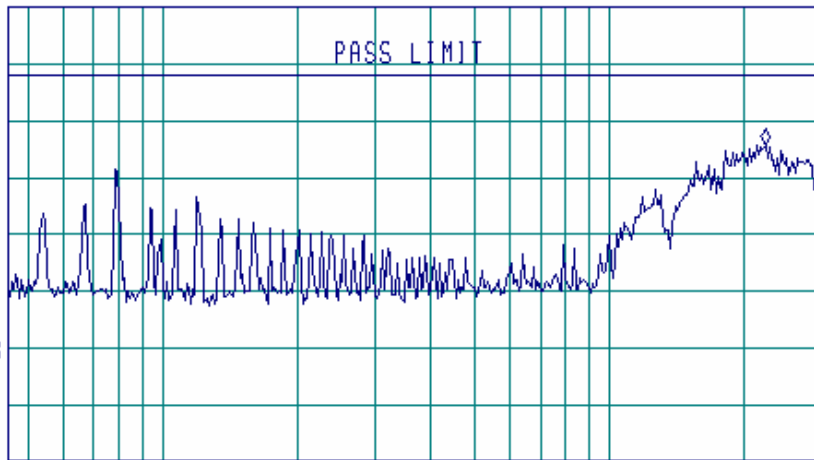
STOP  
30.00 MHz

ACTV DET: PEAK  
 MEAS DET: PEAK OP AVG  
 MKR 22.27 MHz  
 35.86 dBµV

MEASURE  
AT MKR  
  
ADD TO  
LJST

LOG REF 60.0 dBµV

10  
dB/  
ATN  
10 dB



MARKER  
↓ CF

MARKER  
△

NEXT  
PEAK

NEXT PK  
RIGHT

NEXT PK  
LEFT

START 450 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.46 sec

More  
1 of 2

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.801006	32.39	31.56	-16.44	48.00	31.32	-14.68	46.00	10.25
2	0.945316	28.50	24.80	-23.20	48.00	22.46	-23.54	46.00	10.25
3	18.647415	37.18	31.04	-16.96	48.00	19.94	-30.06	50.00	11.34
4	22.852588	37.45	33.24	-14.76	48.00	26.74	-23.26	50.00	11.59
5	26.226609	35.11	32.78	-15.22	48.00	17.80	-32.20	50.00	11.83
6	15.133110	33.70	29.36	-18.64	48.00	22.13	-27.87	50.00	11.12

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With filter: SCHURTER S200-2-23

Notes 120V AC Line: Phase

09:07:31 FEB 06, 2003

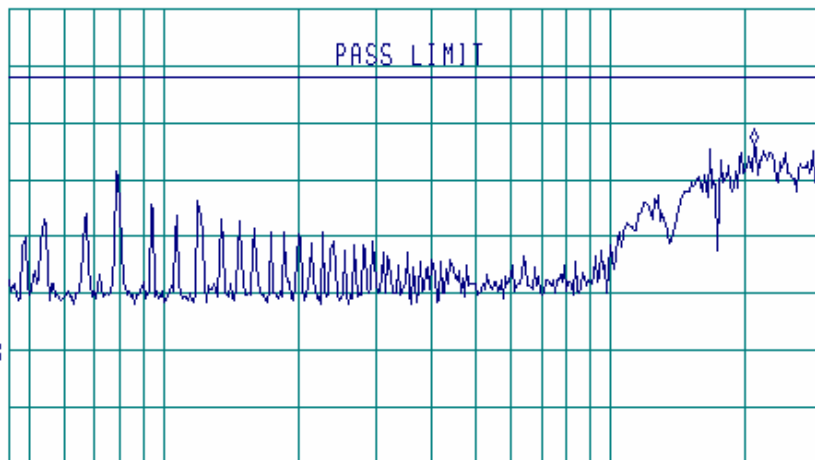
ACTV DET: PEAK  
 MEAS DET: PEAK OP AVG  
 MKR 20.93 MHz  
 35.91 dBµV

MEASURE AT MKR  
 ADD TO LIST

LOG REF 60.0 dBµV

10 dB/ATN  
 10 dB

VA SB  
 SC FC  
 ACORR



START 450 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.46 sec

MARKER ↓ CF  
 MARKER ▲  
 NEXT PEAK  
 NEXT PK RIGHT  
 NEXT PK LEFT

More 1 of 2

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.799431	32.53	31.64	-16.36	48.00	31.44	-14.56	46.00	10.24
2	20.534094	36.67	34.55	-13.45	48.00	30.21	-19.79	50.00	11.46
3	15.668838	34.80	30.68	-17.32	48.00	24.48	-25.52	50.00	11.14
4	16.748705	36.09	32.42	-15.58	48.00	24.24	-25.76	50.00	11.21
5	26.742913	36.73	32.08	-15.92	48.00	26.61	-23.39	50.00	11.89
6	19.716107	36.97	32.49	-15.51	48.00	23.29	-26.71	50.00	11.41

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## AC to DC power supply for amplifier when is in Modulite Remote Cover (MRC).

**LAMBDA Model: JWS150-48/A (48VDC, 100W)**

With filter: SCHURTER S200-2-23

Notes 120V AC Line: Phase

09:11:07 FEB 06, 2003

REF LEVEL  
75.0 dBμV

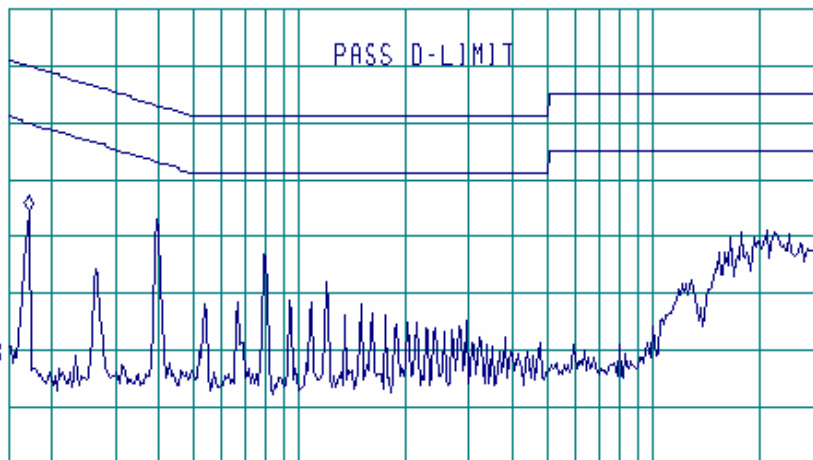
ACTV DET: PEAK  
 MEAS DET: PEAK OP AVG  
 MKR 170 kHz  
 39.27 dBμV

MEASURE  
AT MKR  
  
 ADD TO  
LIST

LOG REF 75.0 dBμV

10  
dB/  
ATN  
10 dB

VA SB  
SC FC  
ACORR



START 150 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.49 sec

CLEAR  
WRITE A  
  
 MAX  
HOLD A  
  
 VIEW A  
  
 BLANK A  
  
 Trace  
A B C  
  
 More  
1 of 3

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.180170	45.30	43.09	-21.44	64.53	30.34	-24.19	54.53	10.21
2	0.401188	38.32	37.53	-20.32	57.85	36.89	-10.96	47.85	10.22
3	0.799431	32.53	31.64	-24.36	56.00	31.44	-14.56	46.00	10.24
4	15.668838	34.80	30.68	-29.32	60.00	24.48	-25.52	50.00	11.14
5	16.748705	36.09	32.42	-27.58	60.00	24.24	-25.76	50.00	11.21
6	19.716107	36.97	32.49	-27.51	60.00	23.29	-26.71	50.00	11.41
7	20.534094	36.67	34.55	-25.45	60.00	30.21	-19.79	50.00	11.46
8	26.742913	36.73	32.08	-27.92	60.00	26.61	-23.39	50.00	11.89

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 EUT Model Number ModuLite 810  
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 Test equipment 163, 447, 521 787, 1003  
 Operator Name Boris E  
 Customer Name Foxcom Wireless  
**Model Antenna ANTENNA MARS MA-CM36-15 (5dBi)**

**AC to DC Adaptor for amplifier  
 MW Model: P30A-8P2M (48VDC, 27W)**

Notes 120V AC Line: **Neutral**

09:35:22 FEB 06, 2003

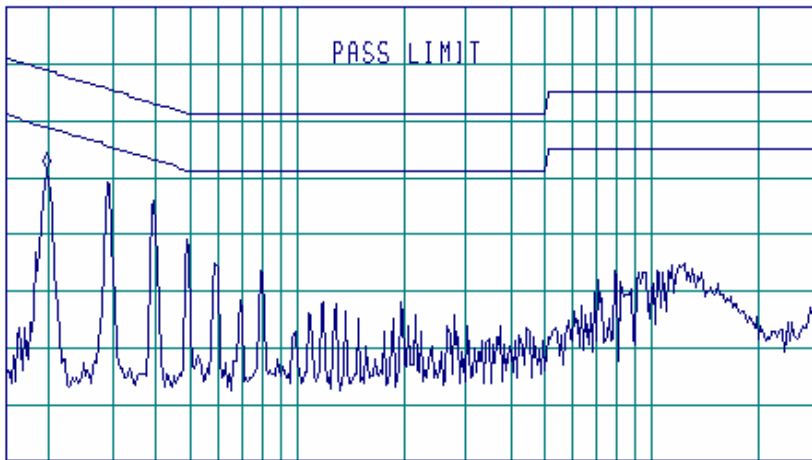
ACTV DET: PEAK  
 MEAS DET: PEAK OP AVG  
 MKR 200 kHz  
 46.61 dBµV

MEASURE AT MKR  
 ADD TO LIST

LOG REF 75.0 dBµV

10 dB/ATN  
 10 dB

VA SB  
 SC FC  
 ACORR



START 150 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.49 sec

MARKER  
 ↓ CF  
 MARKER  
 ▲  
 NEXT PEAK  
 NEXT PK RIGHT  
 NEXT PK LEFT

More  
 1 of 2

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.197581	51.42	47.60	-16.15	63.75	40.88	-12.87	53.75	10.20
2	0.296733	44.76	44.25	-16.12	60.37	40.65	-9.72	50.37	10.21
3	0.394438	41.56	38.06	-19.91	57.97	32.87	-15.10	47.97	10.21
4	0.493845	34.84	34.13	-21.99	56.12	31.70	-14.42	46.12	10.23
5	0.593202	31.24	30.28	-25.72	56.00	28.31	-17.69	46.00	10.23
6	12.244512	31.36	30.04	-29.96	60.00	26.49	-23.51	50.00	10.98

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**AC to DC Adaptor for amplifier  
 MW Model: P30A-8P2M (48VDC, 27W)**

Notes 120V AC Line: **Neutral**

09:40:36 FEB 06, 2003

REF LEVEL  
 60.0 dBµV

ACTV DET: PEAK  
 MEAS DET: PEAK QP AVG  
 MKR 490 kHz  
 33.90 dBµV

MEASURE  
 AT MKR

ADD TO  
 LIST

CLEAR  
 WRITE A

MAX  
 HOLD A

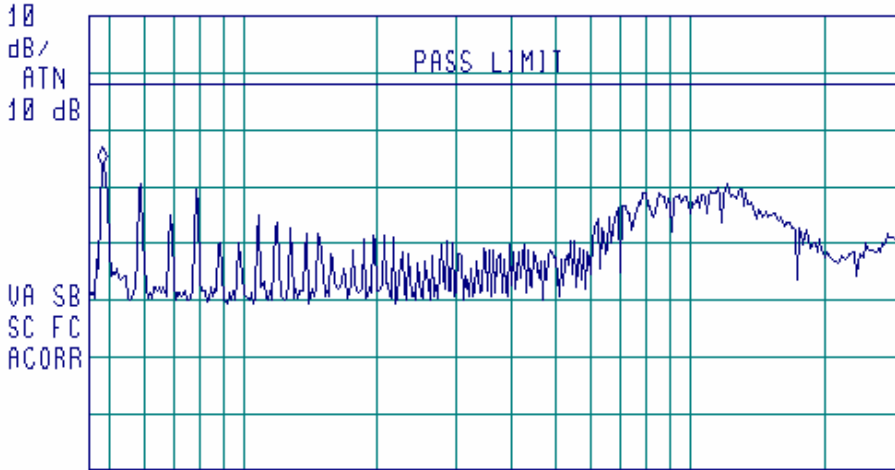
VIEW A

BLANK A

Trace  
 A B C

More  
 1 of 3

LOG REF 60.0 dBµV



START 450 kHz STOP 30.00 MHz  
 RL #1F BW 9.0 kHz AVG BW 30 kHz SWP 2.46 sec

Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.493845	34.84	34.13	-13.87	48.00	31.70	-14.42	46.12	10.23
2	0.593202	31.24	30.28	-17.72	48.00	28.31	-17.69	46.00	10.23
3	12.244512	31.36	30.04	-17.96	48.00	26.49	-23.51	50.00	10.98
4	7.732347	29.17	27.69	-20.31	48.00	16.40	-33.60	50.00	10.69
5	7.736144	29.05	27.78	-20.22	48.00	16.66	-33.34	50.00	10.69

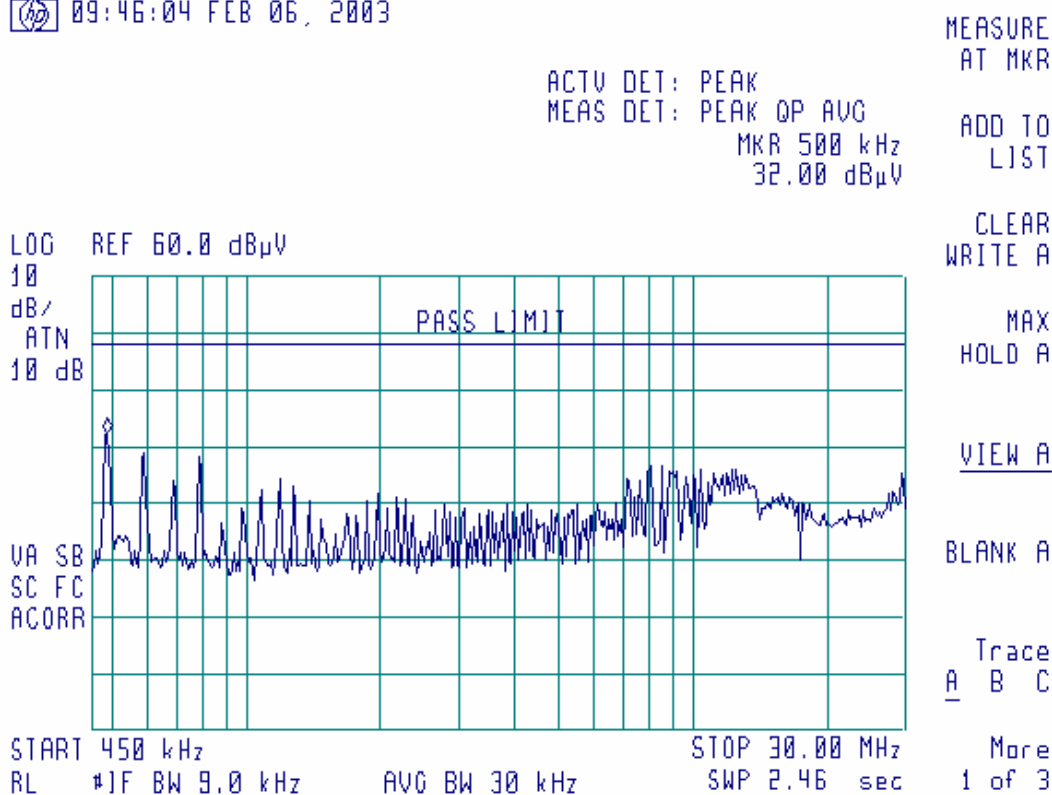
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 Customer Name Foxcom Wireless  
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**AC to DC Adaptor for amplifier**  
**MW Model: P30A-8P2M (48VDC, 27W)**

Notes 120V AC Line: **Phase**

09:46:04 FEB 06, 2003



Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.496692	33.04	32.16	-15.84	48.00	29.35	-16.71	46.06	10.23
2	0.798166	31.17	28.35	-19.65	48.00	26.62	-19.38	46.00	10.24
3	8.939722	28.38	25.48	-22.52	48.00	13.74	-36.26	50.00	10.76
4	0.596394	29.88	28.94	-19.06	48.00	26.78	-19.22	46.00	10.23
5	12.221083	26.62	24.54	-23.46	48.00	20.74	-29.26	50.00	10.98

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**AC to DC Adaptor for amplifier**

**MW Model: P30A-8P2M (48VDC, 27W)**

Notes 120V AC Line: **Phase**

09:52:10 FEB 06, 2003

ACTV DET: PEAK  
 MEAS DET: PEAK QP AVG  
 MKR 200 kHz  
 45.86 dBµV

MEASURE  
 AT MKR  
 ADD TO  
 LIST

CLEAR  
 WRITE A

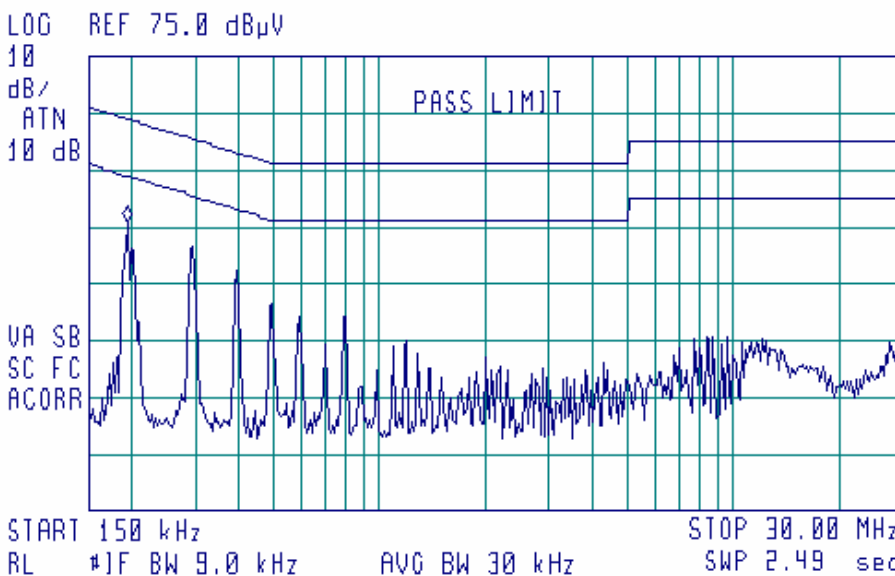
MAX  
 HOLD A

VIEW A

BLANK A

Trace  
 A B C

More  
 1 of 3



Signal	Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	QP - Lim1 (dB)	LimitLine1 (dBuV)	Avg Amp (dBuV)	Avg - Lim2 (dB)	LimitLine2 (dBuV)	Corrections (dB)
1	0.198748	51.41	47.23	-16.47	63.70	35.46	-18.24	53.70	10.20
2	0.298137	44.95	44.21	-16.12	60.33	38.19	-12.14	50.33	10.21
3	0.397740	41.82	37.56	-20.35	57.91	33.25	-14.66	47.91	10.21
4	0.496692	33.04	32.16	-23.90	56.06	29.35	-16.71	46.06	10.23
5	0.596394	29.88	28.94	-27.06	56.00	26.78	-19.22	46.00	10.23
6	0.798166	31.17	28.35	-27.65	56.00	26.62	-19.38	46.00	10.24
7	0.798701	31.90	29.13	-26.87	56.00	27.15	-18.85	46.00	10.24
8	8.939722	28.38	25.48	-34.52	60.00	13.74	-36.26	50.00	10.76