

Test Data		Channel 7								
Intentional Radiators: to 10th harmonic										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	<i>Margin</i>	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
903.450	59.7	27.2	1.6	0.0	88.5	94	5.5	120 KHz	qp	V
1806.900	21.1	26.6	2.9	-16.1	34.5	54	19.5	1 MHz	Ave	V
2710.350	25.7	28.2	3.7	-15.7	41.9	54	12.1	1 MHz	Ave	V
3613.800	20.1	32.0	3.9	-15.8	40.2	54	13.8	1 MHz	Ave	V
4517.250	21.7	32.7	6.9	-14.0	47.3	54	6.7	1 MHz	Ave	V
5420.700	19.3	34.7	6.3	-14.0	46.3	54	7.7	1 MHz	Ave	V
6324.150	16.7	34.7	6.4	-13.6	44.2	54	9.8	100 KHz	Ave	V
7227.600	16.4	36.3	7.5	-14.0	46.2	54	7.8	100 KHz	Ave	V
8131.050	16.2	37.0	8.7	-14.8	47.1	54	6.9	100 KHz	Ave	V
9034.500	15.7	37.6	8.8	-14.9	47.2	54	6.8	100 KHz	Ave	V
<i>Bold,Italic</i> =Ambient Reading										
903.450	54.0	27.2	1.6	0.0	82.8	94	11.2	120 KHz	qp	H
1806.900	18.2	26.6	2.9	-16.1	31.6	54	22.4	1 MHz	Ave	H
2710.350	21.5	28.2	3.7	-15.7	37.7	54	16.3	1 MHz	Ave	H
3613.800	19.7	32.0	3.9	-15.8	39.8	54	14.2	1 MHz	Ave	H
4517.250	19.9	32.7	6.9	-14.0	45.5	54	8.5	1 MHz	Ave	H
5420.700	19.4	34.7	6.3	-14.0	46.4	54	7.6	1 MHz	Ave	H
6324.150	16.4	34.7	6.4	-13.6	43.9	54	10.1	100 KHz	Ave	H
7227.600	16.3	36.3	7.5	-14.0	46.1	54	7.9	100 KHz	Ave	H
8131.050	15.9	37.0	8.7	-14.8	46.8	54	7.2	100 KHz	Ave	H
9034.500	15.6	37.6	8.8	-14.9	47.1	54	6.9	100 KHz	Ave	H
<i>Bold,Italic</i> =Ambient Reading										

Test Data		Channel 4								
Intentional Radiators: to 10th harmonic										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	<i>Margin</i>	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
909.450	60.4	27.3	1.6	0.0	89.3	94	4.7	120 KHz	qp	V
1818.900	22.4	26.6	2.9	-16.1	35.8	54	18.2	1 MHz	Ave	V
2728.350	26.2	28.2	3.7	-15.7	42.4	54	11.6	1 MHz	Ave	V
3637.800	20.0	32.0	3.9	-15.8	40.1	54	13.9	1 MHz	Ave	V
4547.250	20.0	32.6	6.9	-14.0	45.5	54	8.5	1 MHz	Ave	V
5456.700	19.1	34.7	6.3	-14.0	46.1	54	7.9	1 MHz	Ave	V
6366.150	16.9	34.7	6.4	-13.6	44.4	54	9.6	100 KHz	Ave	V
7275.600	16.4	36.3	7.5	-14.0	46.2	54	7.8	100 KHz	Ave	V
8185.050	15.6	37.0	8.8	-14.9	46.5	54	7.5	100 KHz	Ave	V
9094.500	15.6	37.6	8.7	-14.9	47.0	54	7.0	100 KHz	Ave	V
<i>Bold,Italic</i> =Ambient Reading										
909.450	54.9	27.3	1.6	0.0	83.8	94	10.2	120 KHz	qp	H
1818.900	18.4	26.6	2.9	-16.1	31.8	54	22.2	1 MHz	Ave	H
2728.350	24.8	28.2	3.7	-15.7	41.0	54	13.0	1 MHz	Ave	H
3637.800	19.5	32.0	3.9	-15.8	39.6	54	14.4	1 MHz	Ave	H
4547.250	19.9	32.6	6.9	-14.0	45.4	54	8.6	1 MHz	Ave	H
5456.700	19.0	34.7	6.3	-14.0	46.0	54	8.0	1 MHz	Ave	H
6366.150	16.8	34.7	6.4	-13.6	44.3	54	9.7	100 KHz	Ave	H
7275.600	16.3	36.3	7.5	-14.0	46.1	54	7.9	100 KHz	Ave	H
8185.050	15.7	37.0	8.8	-14.9	46.6	54	7.4	100 KHz	Ave	H
9094.500	15.7	37.6	8.7	-14.9	47.1	54	6.9	100 KHz	Ave	H
<i>Bold,Italic</i> =Ambient Reading										

Test Data		Channel 0								
Intentional Radiators: to 10th harmonic										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB		dBuV/m	dBuV/m				
921.450	59.7	27.4	1.7	0.0	88.8	94	5.2	120 KHz	qp	V
1842.900	24.2	26.8	3.0	-16.0	38.0	54	16.0	1 MHz	Ave	V
2764.350	32.3	29.3	3.8	-15.7	49.7	54	4.3	1 MHz	Ave	V
3685.800	19.5	32.3	4.2	-15.6	40.4	54	13.6	1 MHz	Ave	V
4607.250	21.4	32.8	6.7	-14.0	46.9	54	7.1	1 MHz	Ave	V
5528.700	18.8	34.7	6.3	-13.9	45.9	54	8.1	1 MHz	Ave	V
6450.150	18.0	34.8	6.5	-13.7	45.6	54	8.4	100 KHz	Ave	V
7371.600	15.6	36.5	7.7	-14.1	45.7	54	8.3	100 KHz	Ave	V
8293.050	15.5	37.1	8.8	-14.9	46.5	54	7.5	100 KHz	Ave	V
9214.500	15.3	37.6	8.7	-14.9	46.7	54	7.3	100 KHz	Ave	V
<i>Bold,Italic=Ambient Reading</i>										
921.450	53.9	27.4	1.7	0.0	83.0	94	11.0	120 KHz	qp	H
1842.900	18.7	26.8	3.0	-16.0	32.5	54	21.5	1 MHz	Ave	H
2764.350	25.1	29.3	3.8	-15.7	42.5	54	11.5	1 MHz	Ave	H
3685.800	19.1	32.3	4.2	-15.6	40.0	54	14.0	1 MHz	Ave	H
4607.250	19.8	32.8	6.7	-14.0	45.3	54	8.7	1 MHz	Ave	H
5528.700	19.1	34.7	6.3	-13.9	46.2	54	7.8	1 MHz	Ave	H
6450.150	18.0	34.8	6.5	-13.7	45.6	54	8.4	100 KHz	Ave	H
7371.600	15.6	36.5	7.7	-14.1	45.7	54	8.3	100 KHz	Ave	H
8293.050	14.8	37.1	8.8	-14.9	45.8	54	8.2	100 KHz	Ave	H
9214.500	15.1	37.6	8.7	-14.9	46.5	54	7.5	100 KHz	Ave	H
<i>Bold,Italic=Ambient Reading</i>										
Transmitter Fundamental, Low Line (97 VAC, -15%)										
Channel 7										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
903.450	57.5	27.200	1.600	0.000	86.3	94	7.7	120 KHz	qp	V
903.450	52.4	27.200	1.600	0.000	81.2	94	12.8	120 KHz	qp	H
Channel 4										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
909.450	58.7	27.300	1.600	0.000	87.6	94	6.4	120 KHz	qp	V
909.450	52.4	27.300	1.600	0.000	81.3	94	12.7	120 KHz	qp	H

Channel 0										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
921.450	58.8	27.400	1.700	0.000	87.9	94	6.1	120 KHz	qp	V
921.450	52.9	27.400	1.700	0.000	82.0	94	12	120 KHz	qp	H
Transmitter Fundamental, High Line (134 VAC, +15%)										
Channel 7										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
903.450	57.6	27.2	1.6	0.0	86.4	94	7.6	120 KHz	qp	V
903.450	52.4	27.2	1.6	0.0	81.2	94	12.8	120 KHz	qp	H
Channel 4										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
909.450	58.6	27.3	1.6	0.0	87.5	94	6.5	120 KHz	qp	V
909.450	52.7	27.3	1.6	0.0	81.6	94	12.4	120 KHz	qp	H
Channel 0										
Frequency	Measured Value	Antenna Factor	Cable Factor	Pre Amp Factor	Actual Value	Limit	Margin	BW	Det	Pol
MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m				
921.450	58.7	27.4	1.7	0.0	87.8	94	6.2	120 KHz	qp	V
921.450	53.1	27.4	1.7	0.0	82.2	94	11.8	120 KHz	qp	H
Actual Value = Measured value + cable factor + PreAmp Factor										
Test Equipment Used										
HP 8566A Spectrum Analyzer, SN 2043A0045										
HP 85650A Quasi-Peak Adapter, SN 2209A01339										
EMCO, Model 3105 Double ridged guide antenna, SN 2035										
Empire Devices(NDK-1) Model DM-205/T3 Di-Pole Antenna, SN 515										
Mini Circuits, Model ZFL2000 Pre-Amplifier (1MHz-2GHz), SN 86902										
MiteQ Inc., Model AFS4-00102000, 65-10-P-4, Pre-Amplifier, SN180314										