

ANNEX 1 - AC Powerline Conducted Emissions

ACCESS NODE (5.735-5.815 GHz), Model AN-50

PLOT # 107

FCC ID: QC8-AN50



UltraTech Group of Labs

Applicant: Redline Communications
Product: UNII Devices
Model: AN 50

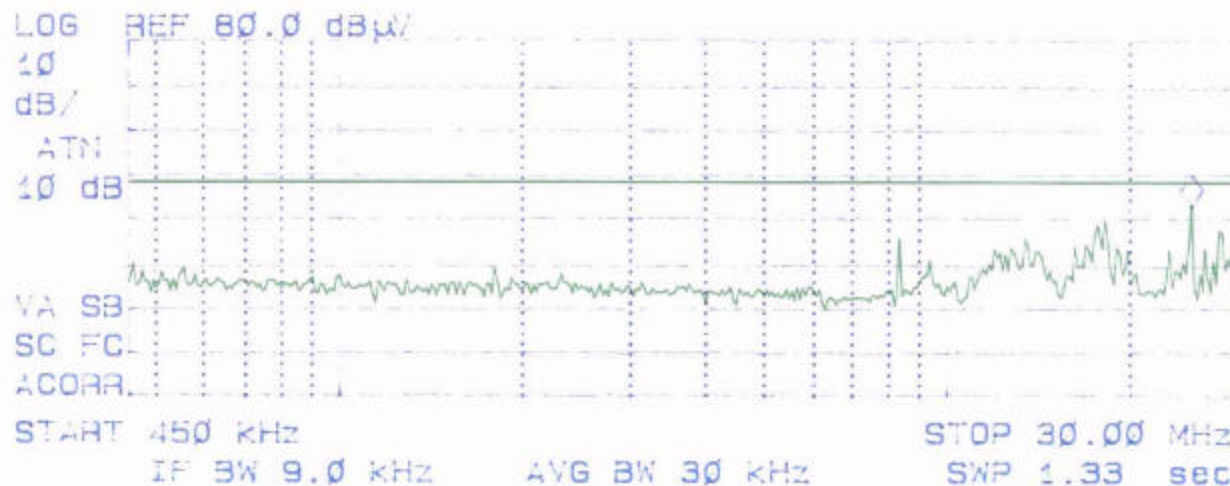
CONDUCTED EMISSIONS MEASUREMENT PLOT

Detector: ☒ PEAK ☒ QUASI-PEAK ☐ AVERAGE Temp: 23°C Humidity: 63 %
Line: 2 Line Voltage: 120 VAC Test Tech: Hung Test Date: 07 June 02
Standard: FCC 15 B Comments: TEST AX MODE

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPA1	
1	8.333525	38.3	36.8	33.0	-11.2	No user
2	18.243100	40.7	39.2	35.7	-8.8	Menu
3	24.999725	42.9	41.9	39.4	-6.1	

START
450 kHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 25.11 MHz
42.79 dBμV



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CONDUCTED EMISSIONS MEASUREMENT PLOT

Detector: ☒ PEAK ☒ QUASI-PEAK ☒ AVERAGE Temp: 23°C Humidity: 63 %
Line: 1 Line Voltage: 120 VAC Test Tech: Hung Test Date: 07 June 02
Standard: FCC 15 B Comments: *TEST RX MODE*

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QP Δ.1
1	0.453880	33.1	29.0	13.7	-19.0
2	8.333375	38.2	36.9	33.1	-11.1
3	18.243200	40.9	39.5	36.0	-8.5
4	24.999625	43.5	42.2	39.6	-5.8

No user
Menu

STOP

30.00 MHz

ACTV DET: PEAK

MEAS DET: PEAK QP AVG

MXR 25.11 MHz

41.78 dBμV

LOG REF 80.0 dBμV

10

dB/

ATN

10 dB

VA S3

SC FC

ACORR

START 450 kHz

IF BW 9.0 kHz

AVG BW 30 kHz

STOP 30.00 MHz

SWP 1.33 sec