

Test Configuration #5: Teklogix TRX7431 Radio installed inside Teklogix 9150 Base Station



UltraTech
Engineering Labs Inc.

POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS

APPLICANT: TEKLOGIX
PRODUCT: 9150
MODEL: _____

EMI Detector: Peak Quasi Peak Average Temp.: 20 °C, Humidity: 22 %
Line Tested: 1, Input Voltage: 120VAC, Tested by: HT, Test Date: 15 NOV. 99
Comments: FCC 15 B
9150 + TRX 7431 LUCENT

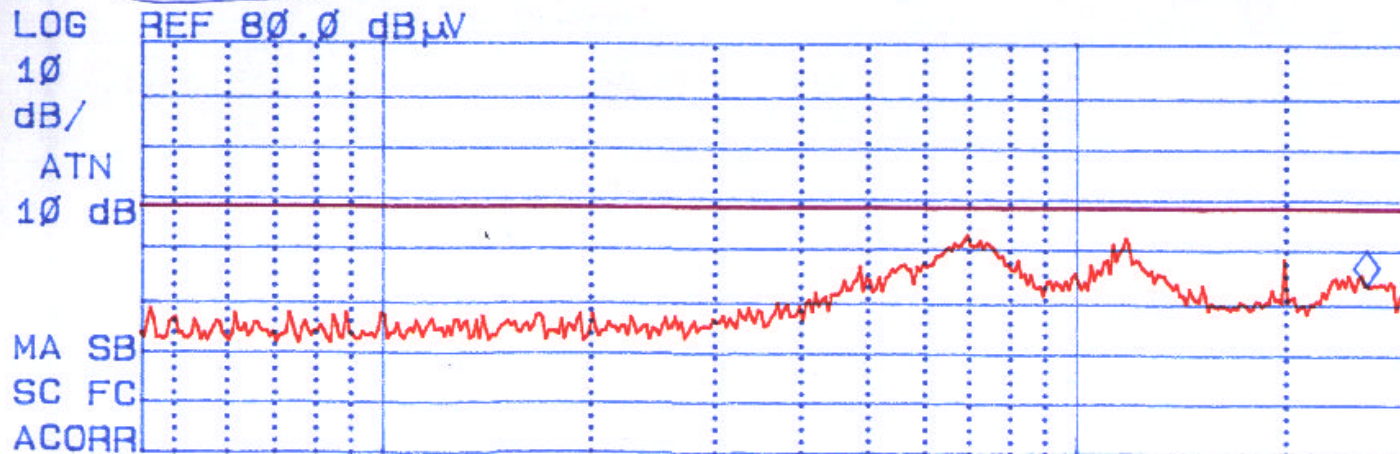
hp

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPΔ1	
1	7.183825	42.4	39.6	29.6	-8.4	No user Menu
2	11.700525	43.5	38.4	31.6	-9.6	
3	25.820425	36.3	28.4	20.2	-19.6	

STOP
30.00 MHz

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 25.87 MHz
33.09 dBμV

PLOT #5



START 450 kHz IF BW 9.0 kHz AVG BW 30 kHz STOP 30.00 MHz SWP 1.33 sec

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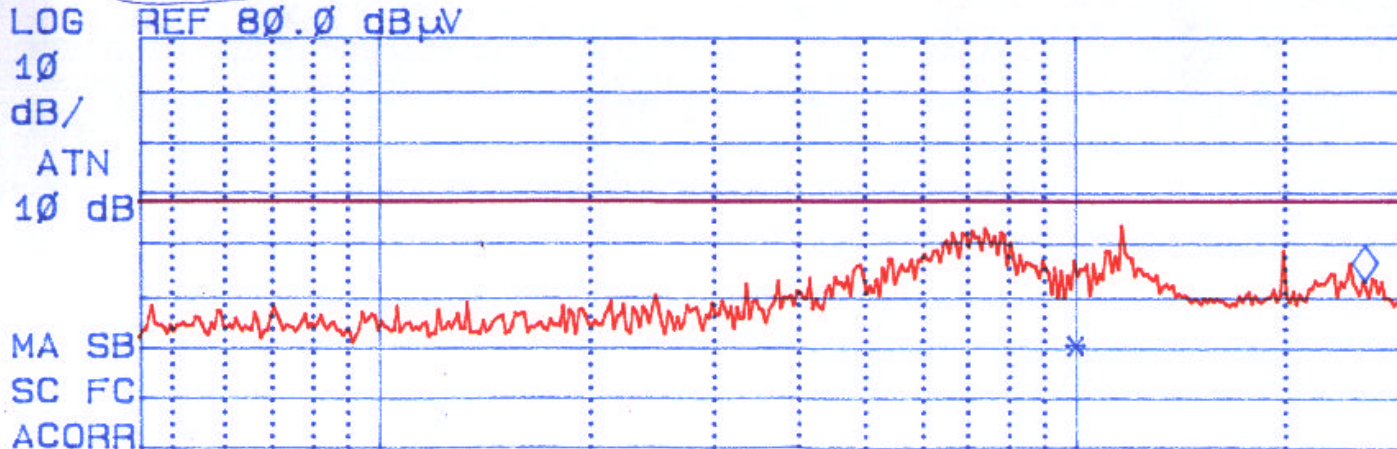
EMI Detector: Peak Quasi Peak Average Temp.: 20 °C, Humidity: 22 %
 Line Tested: 21, Input Voltage: 120VAC Tested by: HT Test Date: 15 NOV. 99
 Comments: FCC 15B
9150 + TRX7431 LUCENT

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPΔ1	
1	7.183823	41.6	38.5	28.7	-9.5	No user Menu
2	11.700524	43.2	39.0	30.4	-9.0	
3	25.820425	34.6	28.1	20.1	-19.9	

STOP
 30.00 MHz

ACTV DET: PEAK
 MEAS DET: PEAK QP AVG
 MKR 25.87 MHz
 32.53 dBμV

PLOT #6



START 450 kHz STOP 30.00 MHz
 IF BW 9.0 kHz AVG BW 30 kHz SWP 1.33 sec