

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



UltraTech
Engineering Labs Inc.

APPLICANT: TEKLOGIX
PRODUCT: 9150
MODEL: _____

POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS

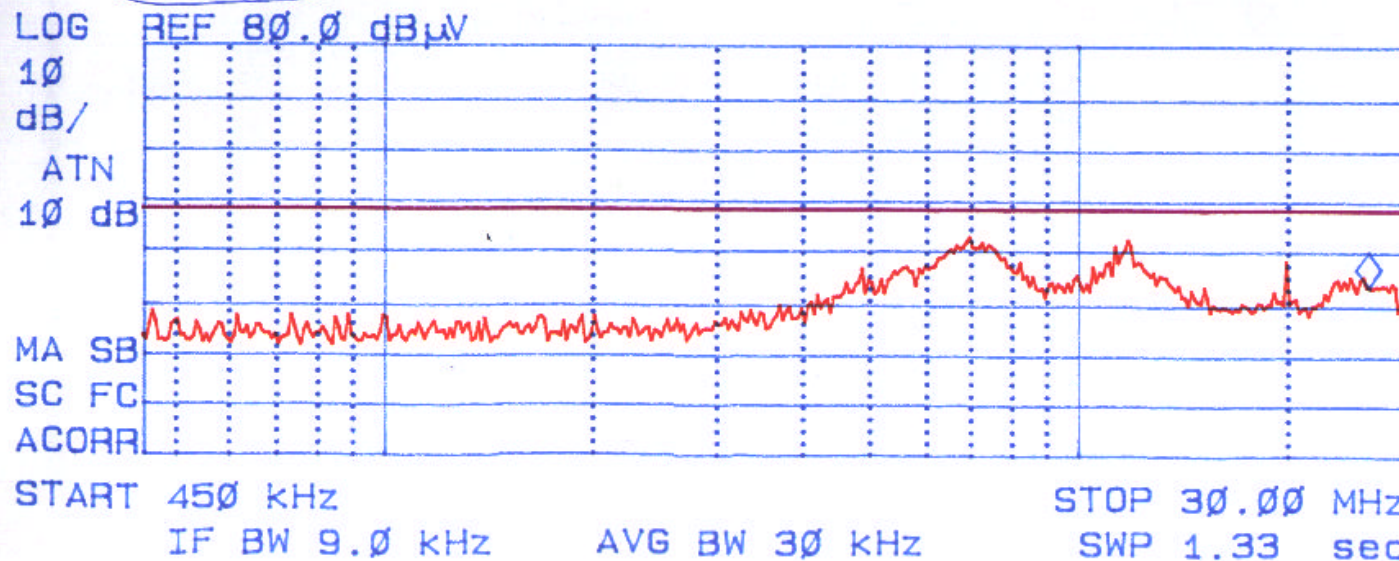
EMI Detector: ☒ Peak ☒ Quasi Peak ☐ Average Temp.: 20 °C, Humidity: 22 %
Line Tested: 1 Input Voltage: 120VAC Tested by: HT Test Date: 15 NOV. 99
Comments: FCC 15 B
9150 + TRX 7431 LUCENT

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPA1	
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



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PRODUCT: 9150
MODEL: _____

POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS

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

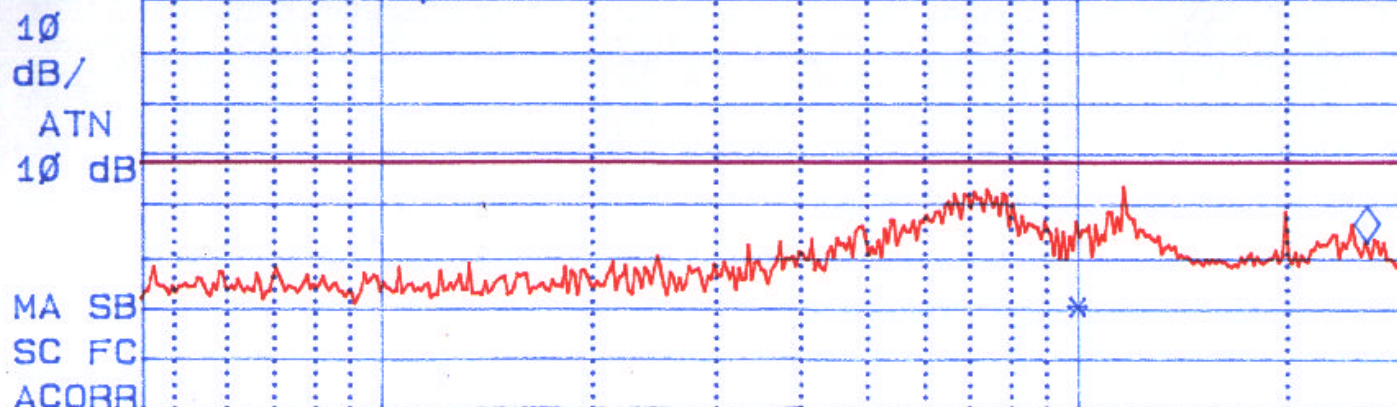
Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QPA1	
1	7.183823	41.6	38.5	28.7	-9.5	No user Menu
2	11.700524	43.2	39.0	30.4	-9.0	
3	25.820425	34.6	28.1	20.1	-19.9	

STOP
30.00 MHz

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

PLOT #6

LOG REF 80.0 dBμV



START 450 kHz

IF BW 9.0 kHz

AVG BW 30 kHz

STOP 30.00 MHz

SWP 1.33 sec