



SD3201 MW Circuit Experimental System

Features

- Designed for RF/Microwave Application in Education
- Supporting instruments to help students to understand the measurements of communication instruments
- Modules Mode is convenient for students to unit and test
- Testing points for all the circuit and modules
- Training for audio and image microwave wireless transmission
- Full experiments can meet demands of different majors in Applied Electronics, Communication, Microwave Measurement, etc.

Specification

Composition

SD3201T Transmission System Experimental Case
(composed of 7pcs MV circuit modules- drive circuit, PLL oscillator, channel selector, TV Modulator, mixer, filter amplifier, power amplifier)

SD3201R Receiving System Experimental Case
(composed of 7pcs MV circuit modules- low noise amplifier , automatic gain control circuit , PLL oscillator, channel selector, TV demodulator, mixer, IF amplifier)

Supported Experiments

Microwave transceiver communication system experiment

Microwave Circuit Modules Experiments

Main Specifications

SD3201T Transmission System	SD3201R Receiving System
Output Power: ≥8dBm	Receiving Frequency: Same with Carrier Frequency
1dB Compression Point Power: ≤13dBm(typ.)	Receiving Sensitivity: better than -40dBm
Carrier Frequency:	Selection Characteristics: 8MHz
CH1: 2468MHz CH2:2476MHz	Receiving Dynamic Range ≥30dB
CH3: 2484MHz CH4: 2492MHz	
CH5: 2500MHz CH6: 2508MHz	
Local Oscillator Suppression: ≤-40dB (to 2399MHz Local Oscillator)	

Supporting Instruments

Spectrum Analyzer

Microwave Signal Generator

Universal Frequency Counter

Network Analyzer

General Characteristics

6CH, Frequency Interval 8 MHz

Transmission Range: 2~5 m

Standard Accessories

CD (User's Guide & Experiments Guideline)	1
Power Cord	2