

## PA-5010aM-ODU 5GHz Bi-directional Amplifier for WLAN (1 Watt)



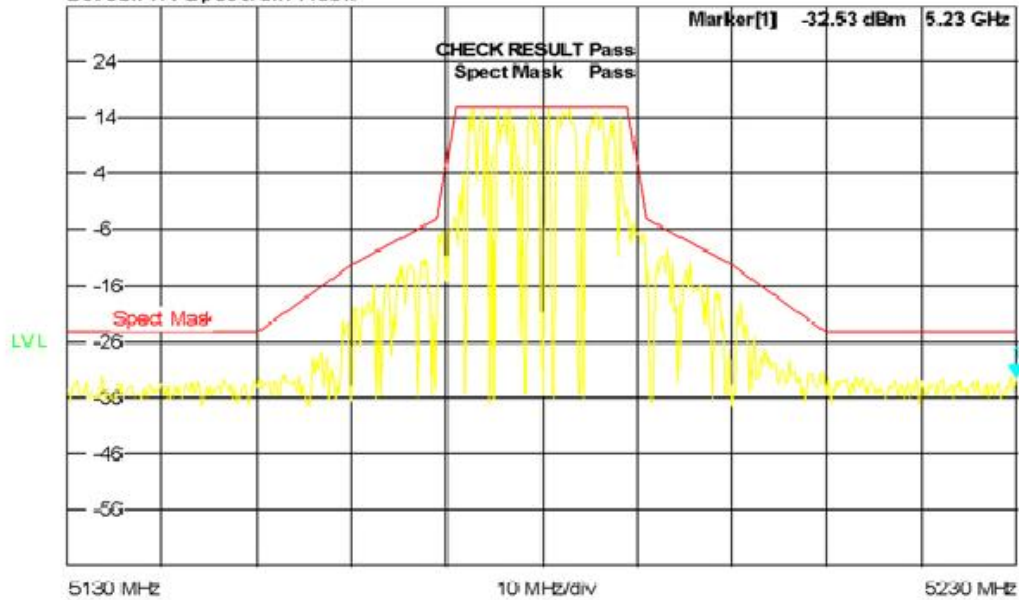
- 802.11a compliance
- Fixed TX/RX gain
- High switching speed
- TX/RX indication
- For outdoor installation

Output Power	29dBm $\pm$ 1.5 dBm / Max (yields 36Mbps for OFDM)
Operating Range	5100~5900 MHz
Operation Mode	Bi-Directional TDD
Transmit Gain	10dB +/- 2dB (optional 12dB)
Frequency Response	$\pm$ 2dB
TX/RX Switch Time	<500nSec
TX Input Power	2dBm Min / 18dBm Max
Receiver Gain	12dB +/- 2dB
Noise Figure	<3.5dBm typical
Connectors	N-type ,50 Ohm
Power Consumption	TX: <1.3A; RX: <50mA @ 5.0VDC
LED Indication	TX: green; RX: red
AC Adapter	120~230V/12V, 2A
AMP Dimensions	93L*60W*31H (mm)
Operating Temperature	-30°C to +70°C

## Spectrum Mask

R&S FSL-K91 Wireless LAN		IEEE 802.11 a	
Frequency: 5.18 GHz	Signal Level: 5.7 dBm	External Att: 30 dB	
Burst Type: Direct Link Burst	Modulation: 54 Mbps 64 QAM	Data Symbols: 1/1366	
VBW 30 kHz	RBW 100 kHz	Uncal	
SWT 100 ms	Sweep 1 of 1	Ref 3.7 dBm	Att 25 dB

Screen A : Spectrum Mask



R&S FSL-K91 Wireless LAN		IEEE 802.11 a	
Frequency: 5.3 GHz	Signal Level: 10 dBm	External Att: 30 dB	
Burst Type: Direct Link Burst	Modulation: 54 Mbps 64 QAM	Data Symbols: 1/1366	
VBW 30 kHz	RBW 100 kHz	Uncal	
SWT 100 ms	Sweep 1 of 1	Ref 8 dBm	Att 30 dB

Screen A : Spectrum Mask

