



Operational Description

This device is a VDSL/GbE WiFi Data Router, which operates in 2.4GHz bands, the maximum data rate could be up to 300Mbps which OFDM technique. If the signal to noise ratio is too poor which could not support 300Mbps, the 11Mbps data rate with DSSS technique will be applied.

The transmitter of the EUT is powered by DC 12V from power adapter. The antenna provided to the EUT, please refer to following table.

Transmitter Circuit (Ant. No.)	Brand	Model	Antenna Type	Gain (dBi) (including cable loss)	Diversity Function	Frequency range (GHz to GHz)	Connecter Type	Cable Length (mm)
Chain (1) A3	Airgain	M2450DL CM-T-G8 5CC20R2	PIFA	2.6	Yes	2.4 to 2.49	I-PEX	85
Chain (2) A1	Airgain	M2450DL CM-T1-G 190UR2	PIFA	1.8	Yes	2.4 to 2.49	I-PEX	190

Note. : For 2.4GHz<1Tx mode>: Chain (1) was chosen for final test.

The other instruction, please have a look at the users manual.