

Operational Description

The device is a 2.4GHz wireless Radio module, which operates in the 2.4GHz frequency spectrum.

The transmitter of the EUT is powered by 5.0V dc from the host equipment. The antenna is printed monopole antenna without antenna connector.

RF PRODUCT

SPEC

Frequency range : 2412 ~ 2462MHz

Channel spacing : 26 & 24MHZ

Channel List : 2412, 2438, 2462MHz(only 3 ch)

Modulation type / technology : OFDM, 64 sub-carriers, pi/4 DQPSK

L.O. frequency of receiver : 2412, 2438, 2462

MHz

Data Rate : 27.55Mbps over-the-air rate (constant), 20.33Mbps

demod

RF power(conducted power or EIRP) : EIRP

18.0dBm

Antenna type & gain : printed monopole with 2dBi gain

Continue TX/RX method : Use AM2Gtest to do Cont. TX/RX(this Tool is only for RF test)

Duty Cycle : ~ 100%

Power supply :

5.0V

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Following is the block diagram of Radio module :

There is only one switching regulator which convert source 5.0V to 3.3V, then supply to the main chip(AV7540).

