

RF circuit description

XMR201609EC21V_ provides an RF antenna PAD for customer's antenna connection. The RF trace in host PCB connected to the module RF antenna pad should be micro-strip line or other types of RF trace, whose characteristic impedance should be close to 50Ω. EC21-V, EC21-V(MINIPCI-E) comes with grounding pads which are next to the antenna pad in order to give a better grounding.

Modulation

Network Mode	UPLINK	DOWNLINK
LTE	QPSK,16QAM	QPSK,16QAM,64QAM

Antenna

Type: Fixed External
Max Gain: 4dBi

Operating Frequency

3GPP Band	Transmit	Receive	Unit
LTE FDD B4	1710~1755	2110~2155	MHz
LTE FDD B13	777~787	746~756	MHz

LTE features

Frequency Band	Bandwidths
FDD4	1.4M/3M/5M/10M/15M/20M
FDD13	5M/10M