

Vehicular communication

Names:	
Group:	
Date:	
Time (e.g., Tue 7:30-9:00):	

Measurements

Task 1. - Measure the dependency of coding rate and modulation on SNR

MCS	BPSK 1/2	BPSK 3/4	QPSK 1/2	QPSK 3/4	16QAM 1/2	16QAM 3/4	64QAM 2/3	64QAM 3/4
Required SNR [dB]								

Task 2. - Transmitting real data over 802.11 with minimal loss

MCS	BPSK 1/2	BPSK 3/4	QPSK 1/2	QPSK 3/4	16QAM 1/2	16QAM 3/4	64QAM 2/3	64QAM 3/4
Tx_gain								
Rx_gain								
Ping [ms] No frag								
Ping [ms] one frag								
Ping [ms] two frag								

Task 3. - Transmitting real data over Cellular V2X (Device to Device communication)

ICMP size	MCS	MCS 1	MCS 4	MCS 7	MCS 10	MCS 12	MCS 15	MCS 20	MCS 26
64 B	Ping [ms]								
	Packet loss [%]								
512 B	Ping [ms]								
	Packet loss [%]								

Conclusion