

Session 2 - 2021-05-09 00:55-01:30

Δίκτυα Υπολογιστών I

Ρόντος Έκτορας – Θωμάς
ΑΕΜ: 9477

G1 – Echo Packet Response Test (2021-05-09 00:55)

Started at: 2021-05-09 00:55:12:4

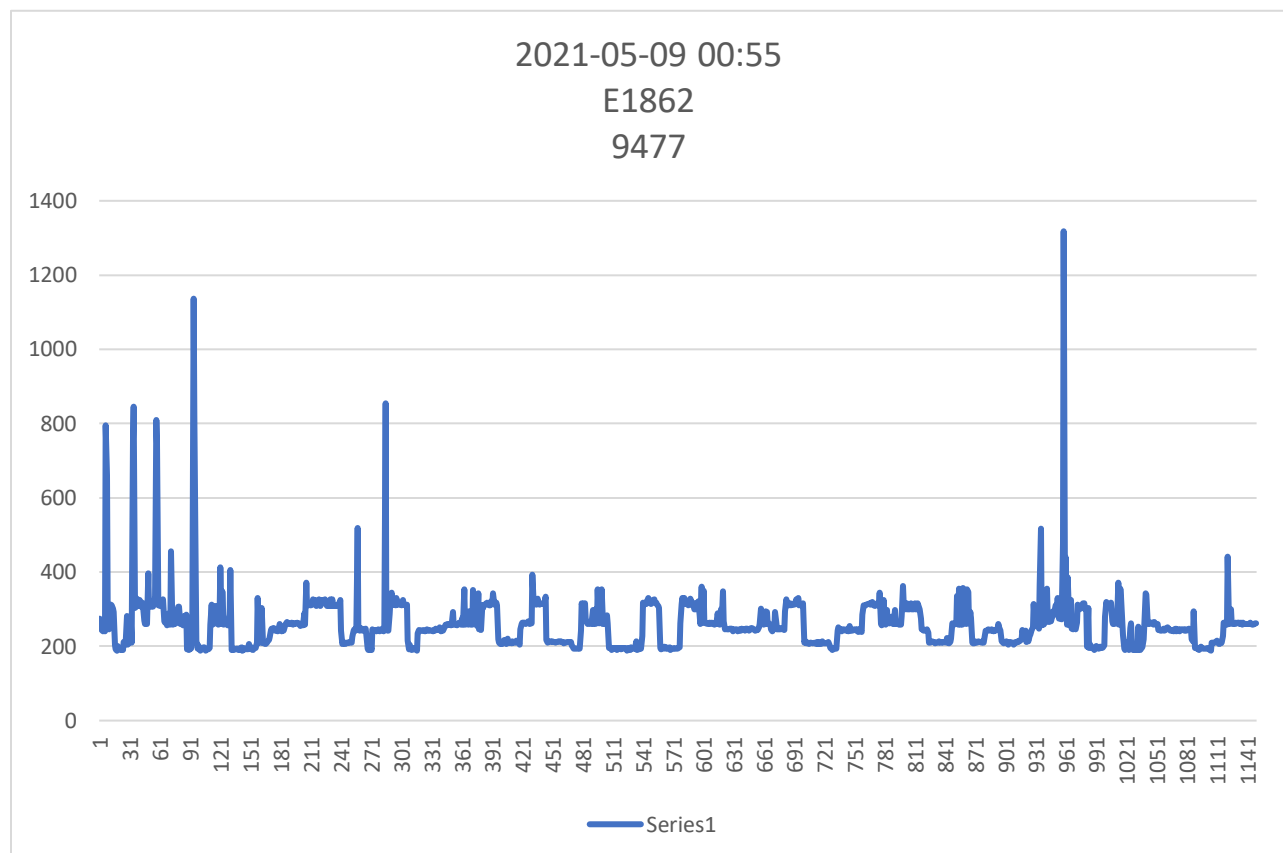
Finished at: 2021-05-09 01:00:12:6

Echo request code: E1862

Modem Speed: 2000kbps

Students online: 2

Total packets received: 1150



Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

G1' – Echo Packet Response Test 2 (2021-05-09 01:00)

Started at: 2021-05-09 01:00:51:8

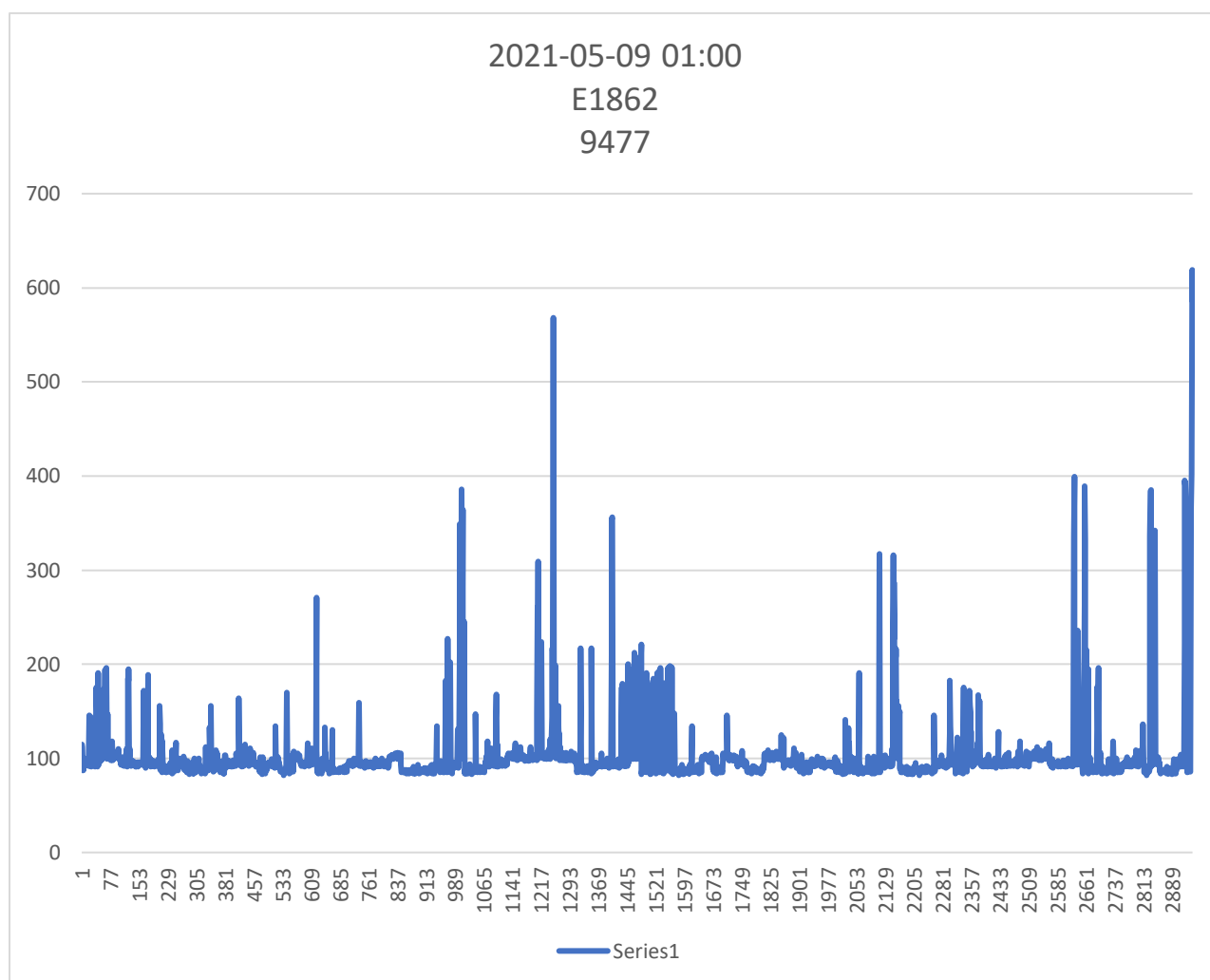
Finished at: 2021-05-09 01:05:51:8

Echo request code: E1862

Modem Speed: 8000kbps

Students online: 2

Total packets received: 2943



G2 – ARQ Response Test (2021-05-09 01:19)

Started at: 2021-05-09 01:19:33:3

Finished at: 2021-05-09 01:24:33:5

ACK result code: Q7699

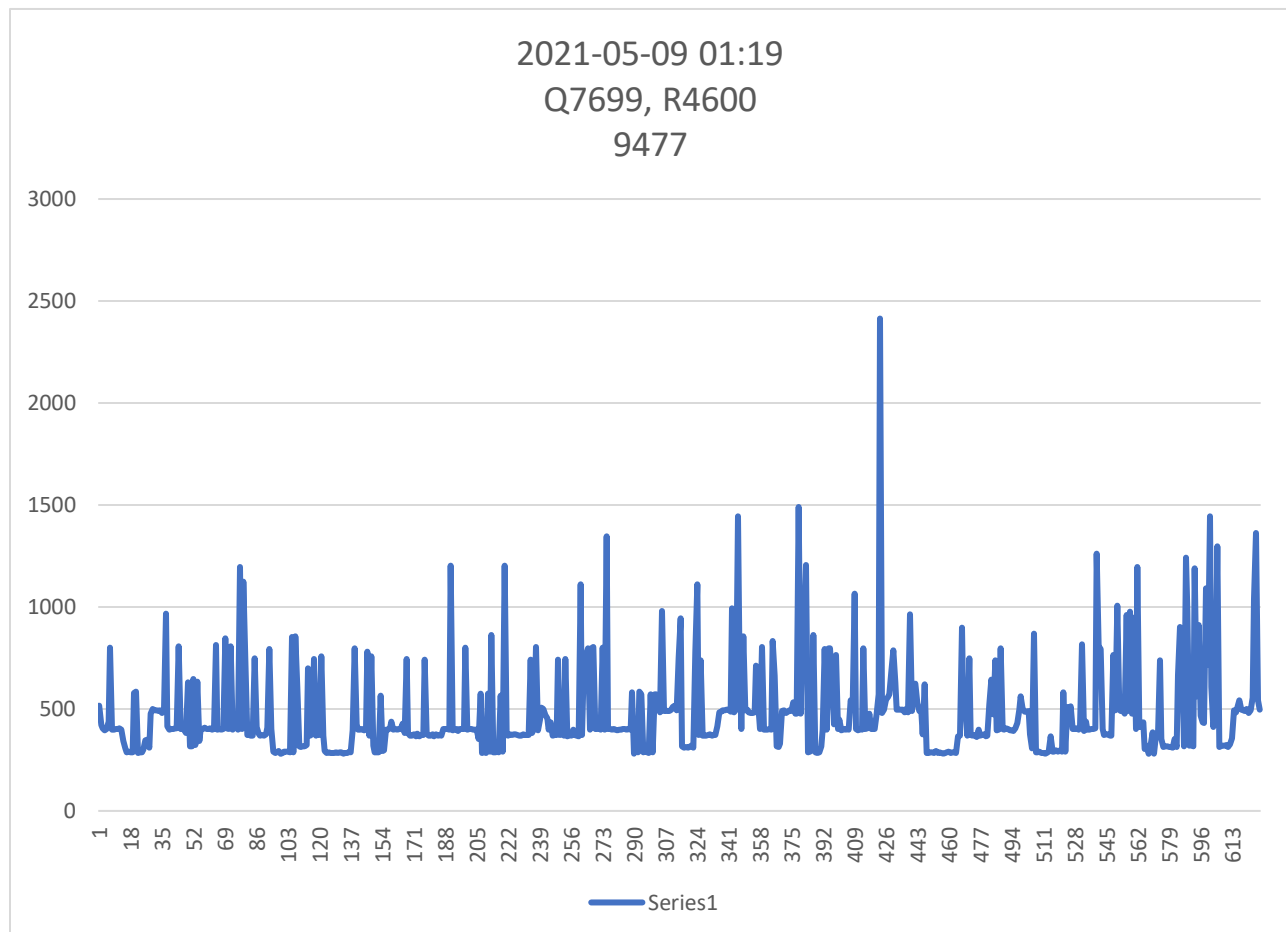
NACK result code: R4600

Modem Speed: 2000kbps

Students online: 2

Total packets received correctly: 628

Total packets received incorrectly: 130



Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

G2' – ARQ Response Test 2 (2021-05-09 01:25)

Started at: 2021-05-09 01:25:24:6

Finished at: 2021-05-09 01:30:24:8

ACK result code: Q7699

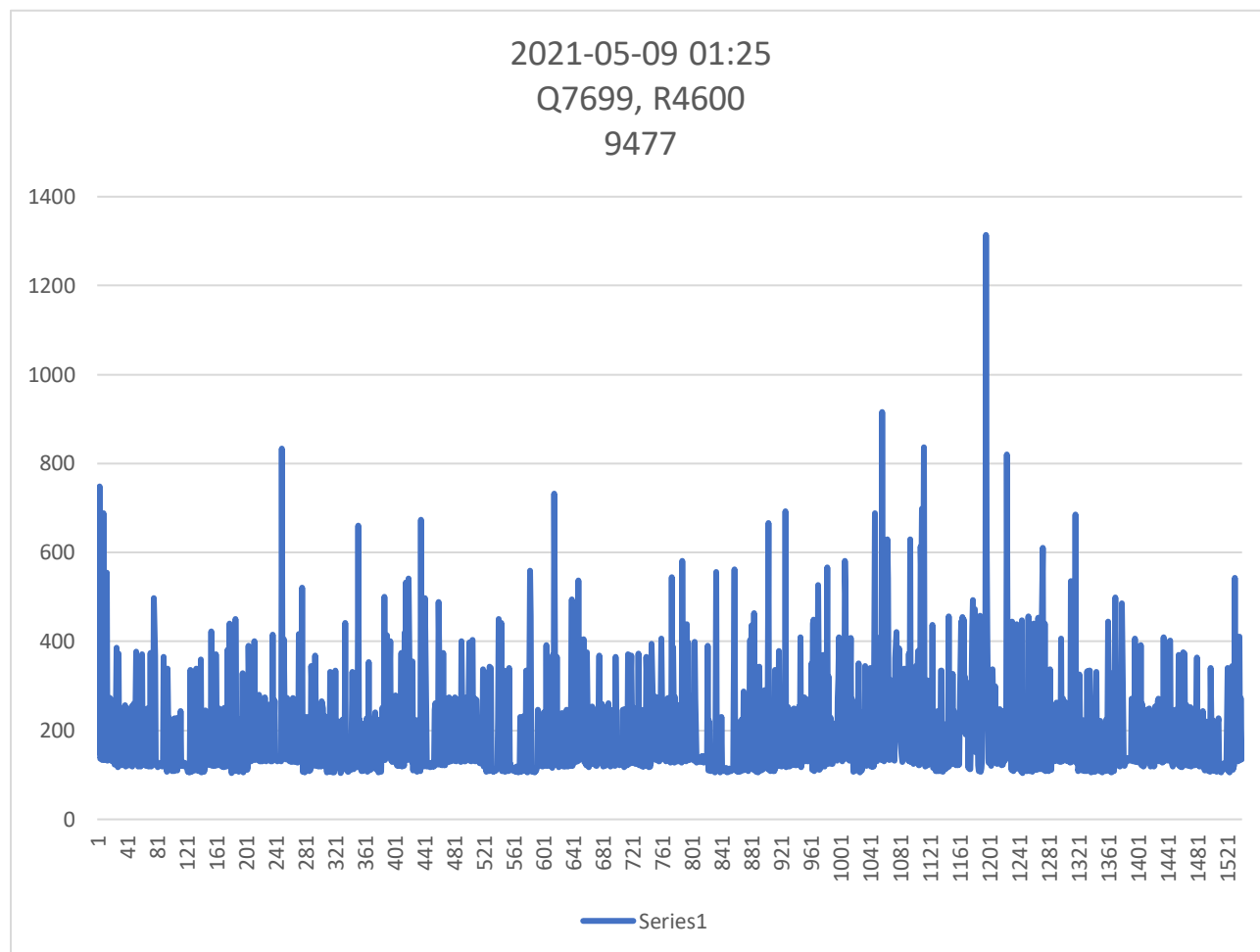
NACK result code: R4600

Modem Speed: 8000kbps

Students online: 2

Total packets received correctly: 1541

Total packets received incorrectly: 746



G3 – Retransmissions probability distribution (2021-05-09 01:19)

Started at: 2021-05-09 01:19:33:3

Finished at: 2021-05-09 01:24:33:5

ACK result code: Q7699

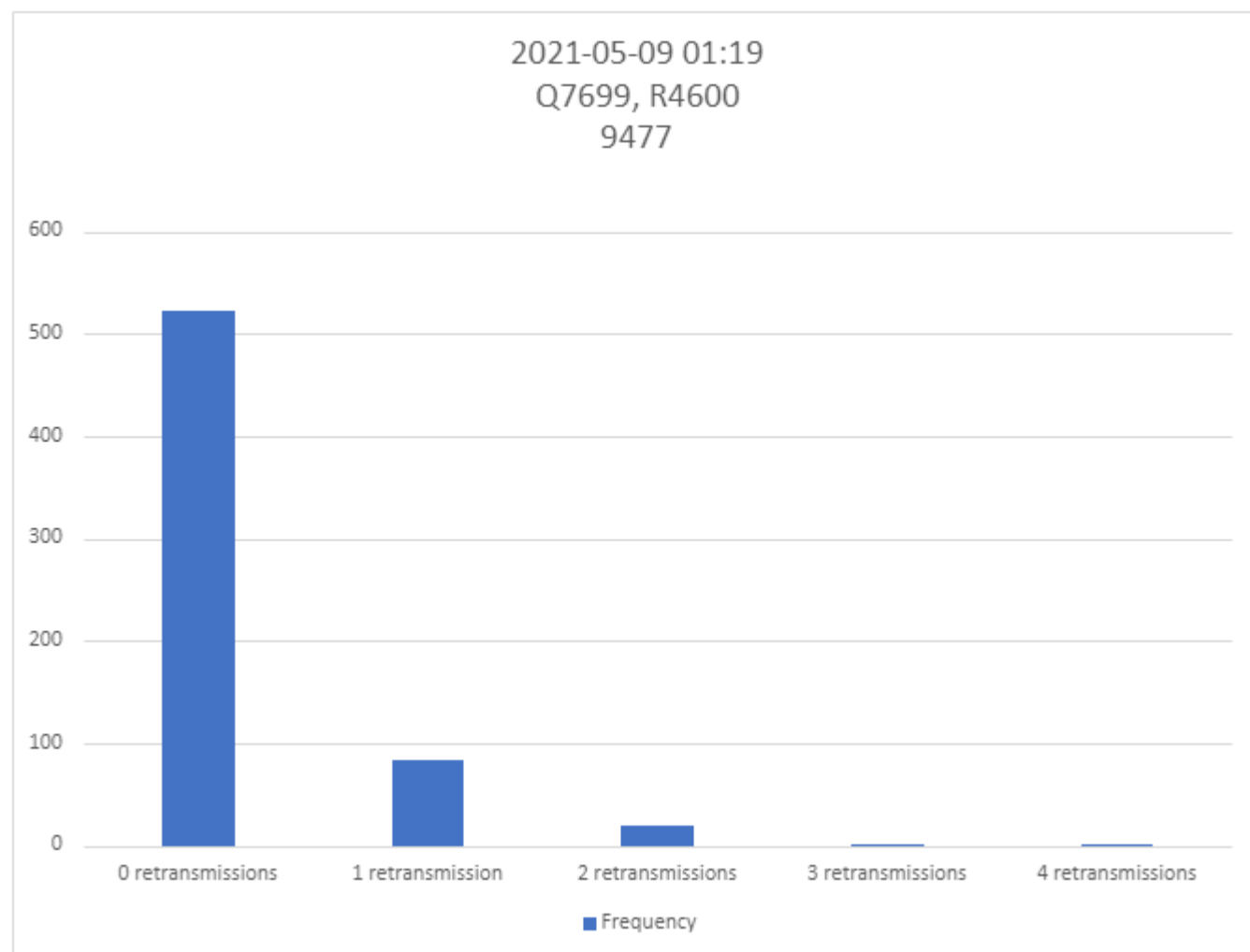
NACK result code: R4600

Modem Speed: 2000kbps

Students online: 2

Total packets received correctly: 628

Total packets received incorrectly: 130



G3' – Retransmissions probability distribution 2 (2021-05-09 01:25)

Started at: 2021-05-09 01:25:24:6

Finished at: 2021-05-09 01:30:24:8

ACK result code: Q7699

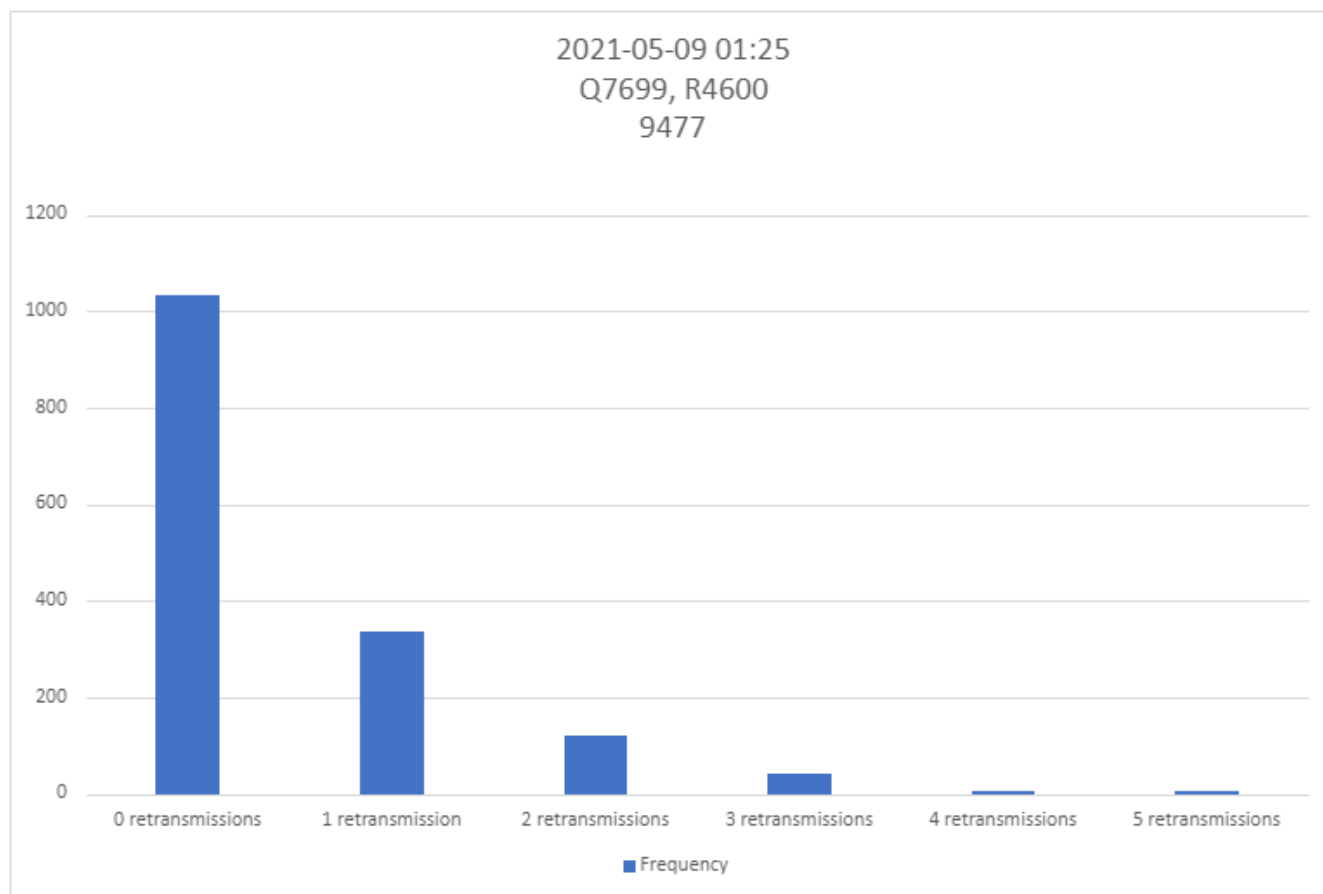
NACK result code: R4600

Modem Speed: 8000kbps

Students online: 2

Total packets received correctly: 1541

Total packets received incorrectly: 746



Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

E1 – Image without errors (2021-05-09 01:07)

Started at: 2021-05-09 01:07:51:6

Finished at: 2021-05-09 01:08:07:1

Image request code: M3200



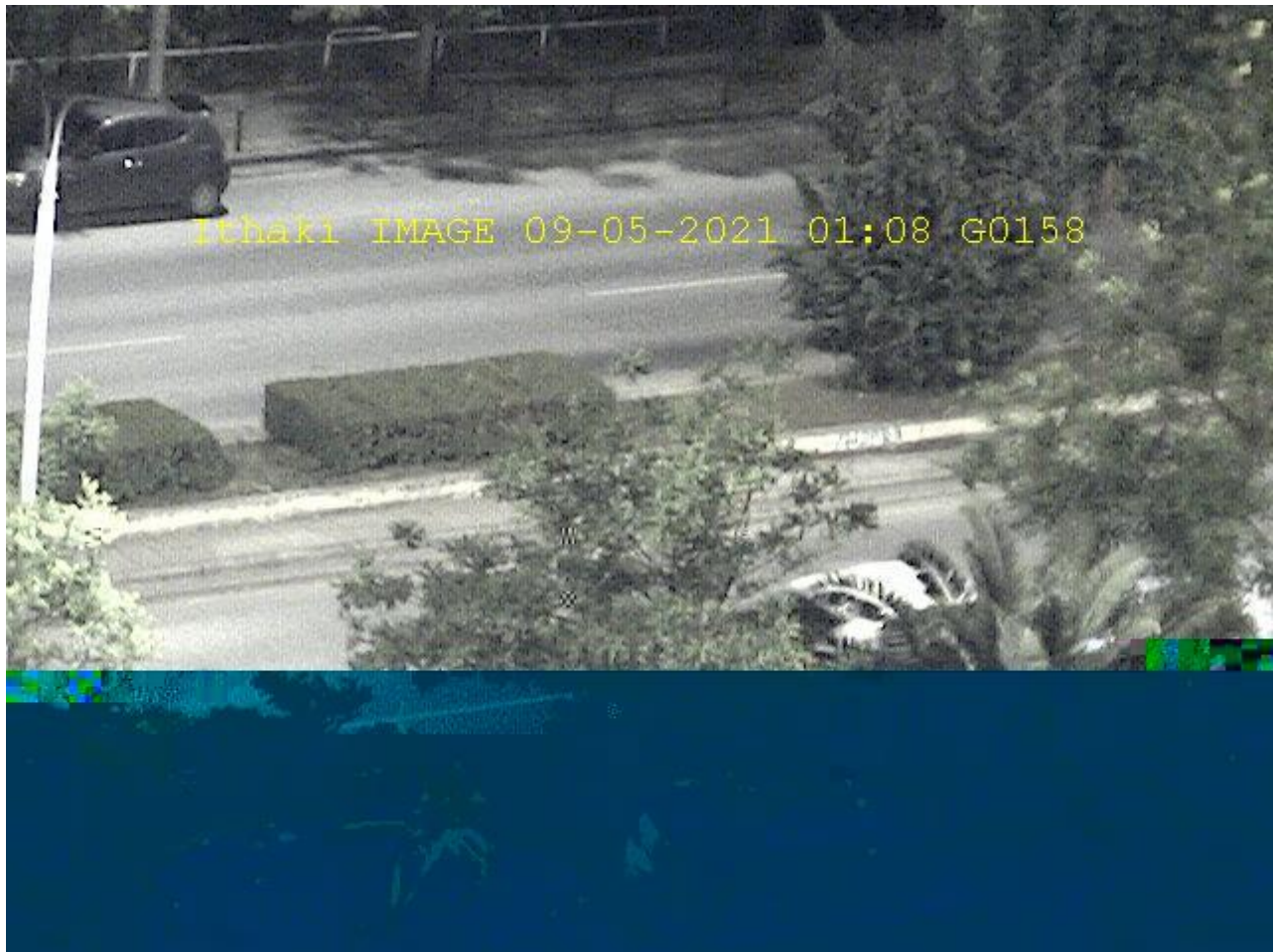
Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

E2 – Image with errors (2021-05-09 01:08)

Started at: 2021-05-09 01:08:48:9

Finished at: 2021-05-09 01:09:04:2

Image request code: G0158



Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

M1 – GPS traces (2021-05-09 01:14)

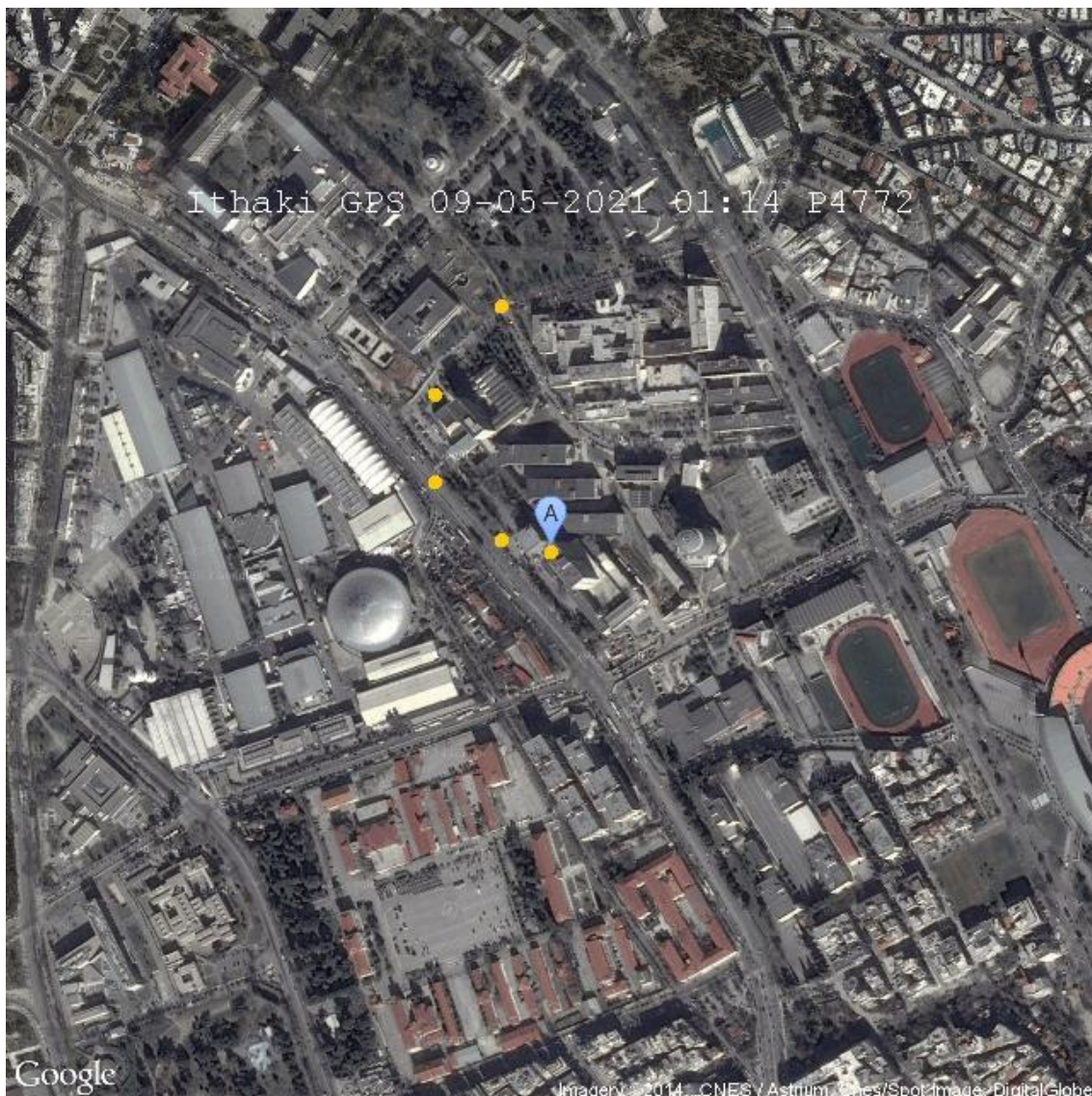
Started at: 2021-05-09 01:14:21:3

Finished at: 2021-05-09 01:14:46:7

GPS request code: P4772

Follow-up code: R=1006999

Time between traces: 20s



Δίκτυα Υπολογιστών Ι
Ρόντος Έκτορας – Θωμάς
AEM: 9477

M1' – GPS traces 2 (2021-05-09 01:17)

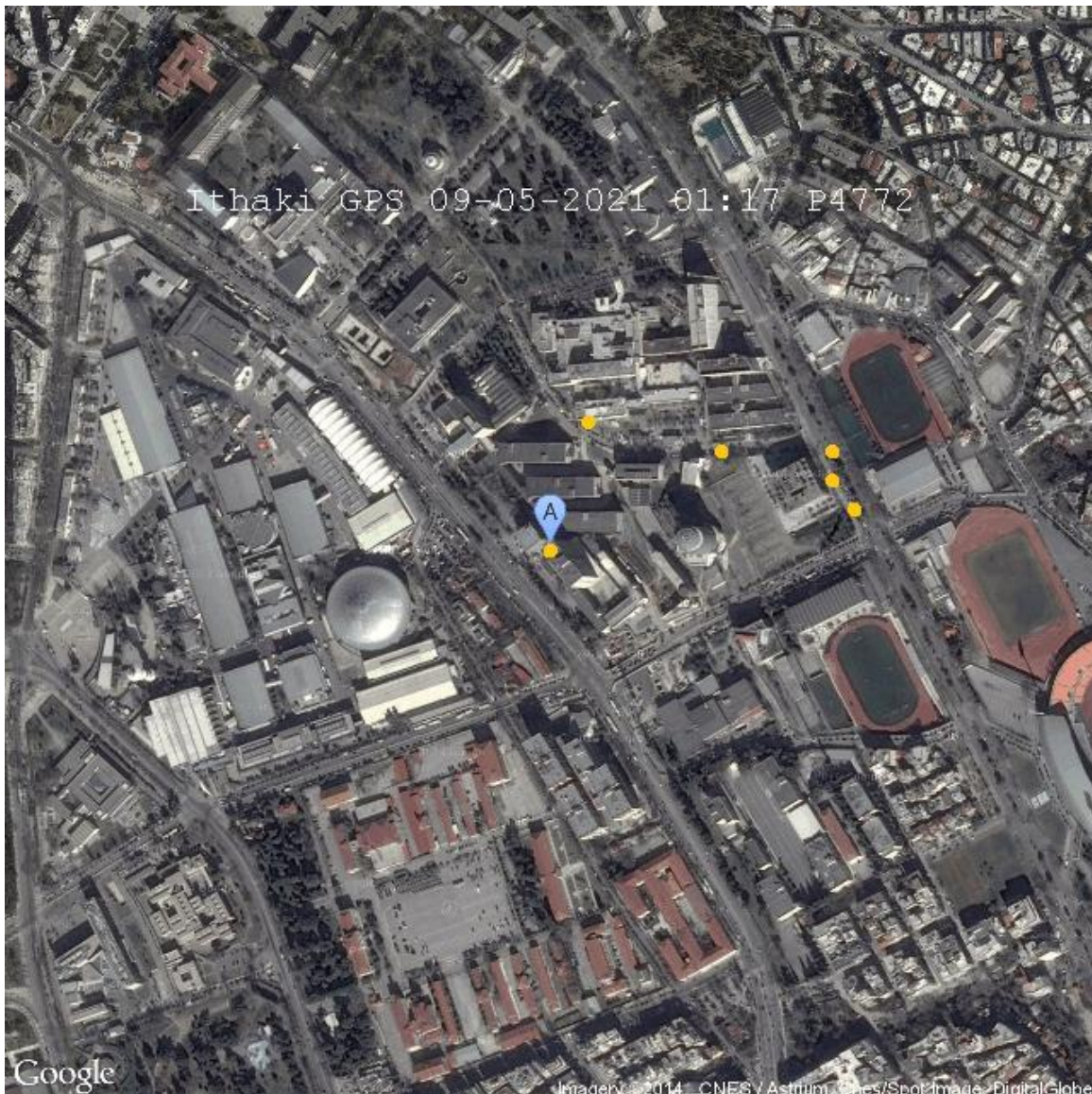
Started at: 2021-05-09 01:17:02:7

Finished at: 2021-05-09 01:17:27:7

GPS request code: P4772

Follow-up code: R=1020099

Time between traces: 20s



Υπολογισμοί BER

Θα χρησιμοποιήσω τον τύπο: $P = (1 - \text{BER})^L$, όπου $P = \text{ack} / (\text{ack} + \text{nack})$ και L το μήκος του μηνύματος σε bits.

$$G2, G3: \text{BER} = 1 - (628 / (628 + 130))^{(1/128)} = 1.4687 \times 10^{-3}$$

$$G2', G3': \text{BER}' = 1 - (1541 / (1541 + 749))^{(1/128)} = 3.0899 \times 10^{-3}$$