# Práctica WLAN: Parte 1

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# Índice

# 1. Quiz 1

Se está accediendo a la página *en.wikipedia.org*, pasando por *wikimedia* y *pagead2.googlesyndication.com*.

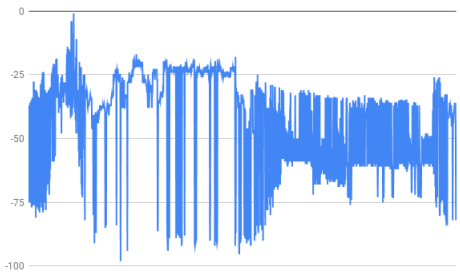
| | | | | | | |
|---|---|---|---|---|---|---|
| 427 | 13.267707 | 192.168.0.50 | 68.87.76.… | DNS | 138 | Standard query 0x605b A en.wikipedia.org |
| 503 | 14.256515 | 192.168.0.50 | 68.87.76.… | DNS | 142 | Standard query 0xca51 A upload.wikimedia.org |
| 807 | 26.709443 | 192.168.0.50 | 68.87.76.… | DNS | 151 | Standard query 0x8c12 A pagead2.googlesyndication.com |


# 2. Quiz 2

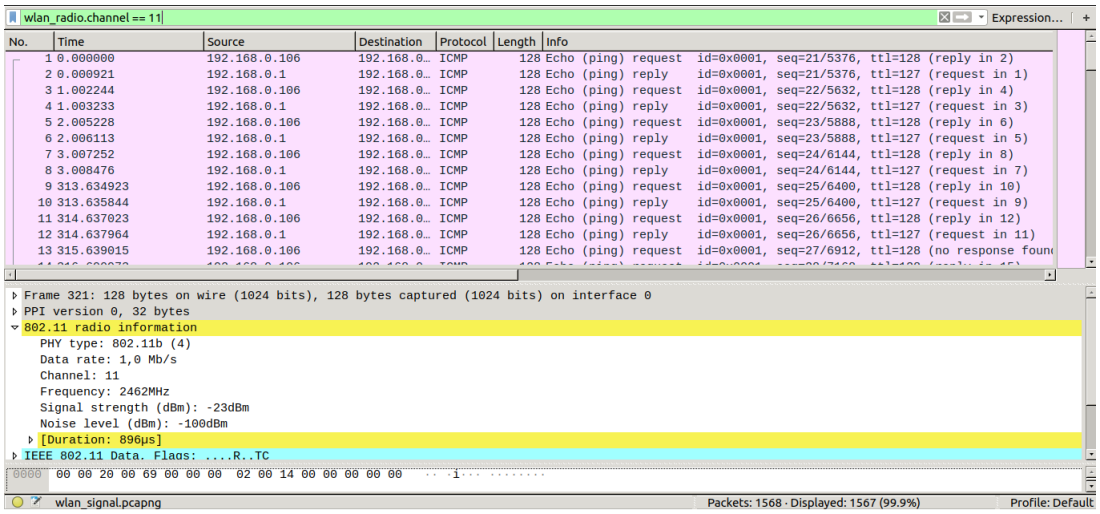
La señal más baja es aquella de la que más se pierde la señal, y mientras más mayor el valor absoluto del RSSI negativo, mayor es la pérdida de señal.

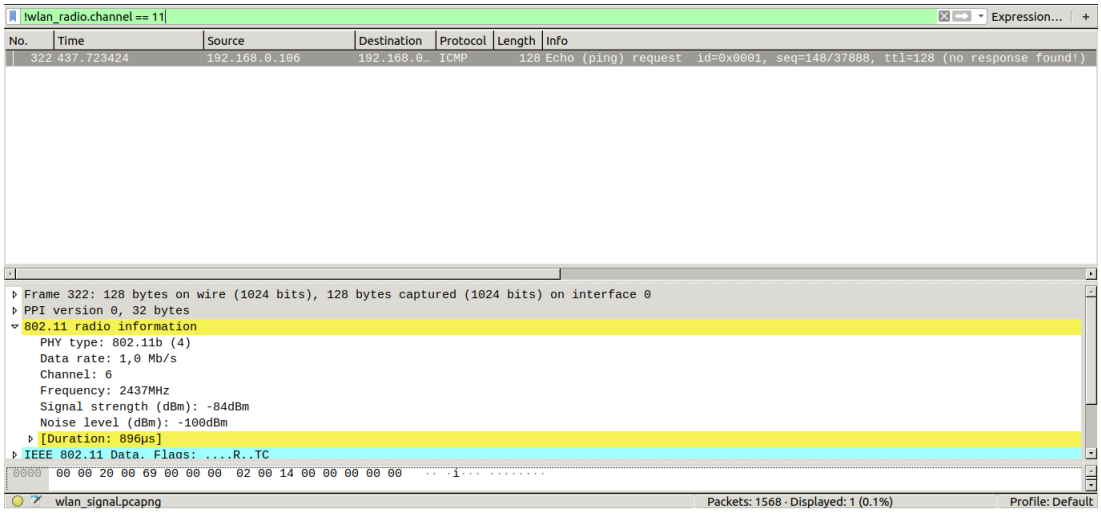
| No. | Time | Source | Destination | Protocol | Length | Info | Señal |
|---|---|---|---|---|---|---|---|
| 337 | 438.725511 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -98 dBm |
| 772 | 491.540517 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -95 dBm |
| 773 | 491.543930 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -95 dBm |
| 362 | 440.792136 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -94 dBm |
| 511 | 463.861638 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -94 dBm |
| 510 | 463.860515 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -93 dBm |
| 561 | 471.870400 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -92 dBm |
| 610 | 475.973673 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -92 dBm |
| 683 | 483.232132 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -92 dBm |
| 758 | 489.495028 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -92 dBm |
| 815 | 498.523657 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -92 dBm |
| 241 | 427.606382 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -91 dBm |
| 562 | 471.872314 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -91 dBm |
| 609 | 475.971764 | 192.168.0.1 | 192.168.0… | ICMP | 128 | Echo (ping) … | -91 dBm |

La gráfica de la evolución temporal es la siguiente:



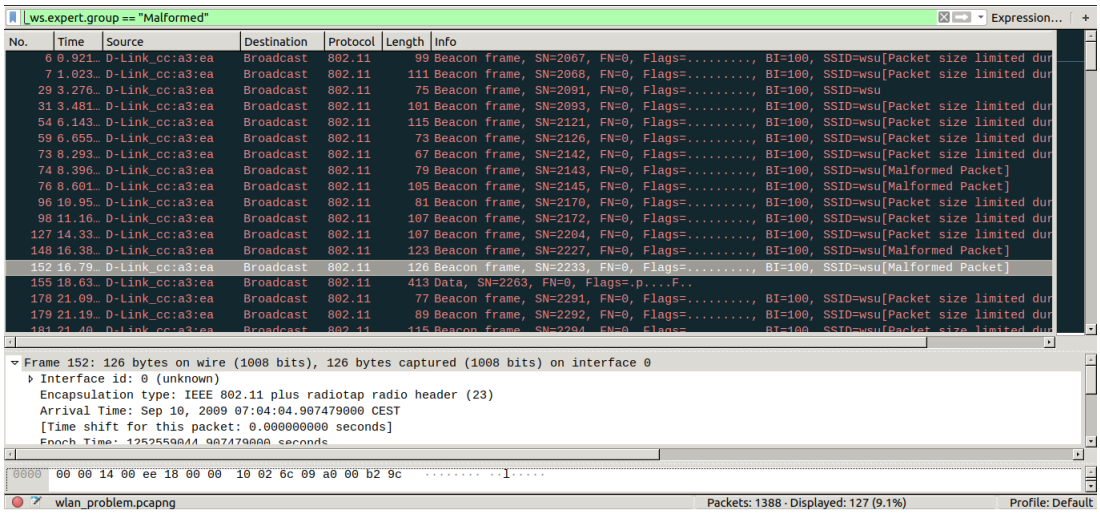
Siempre está en el canal 11 excepto en el paquete 322, que está en el 6, como podemos comprobar:



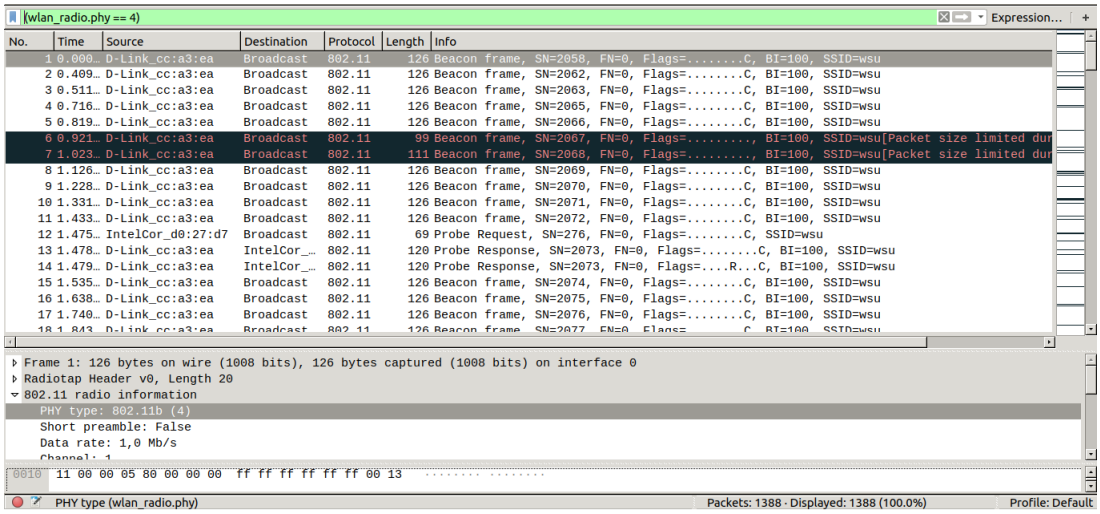



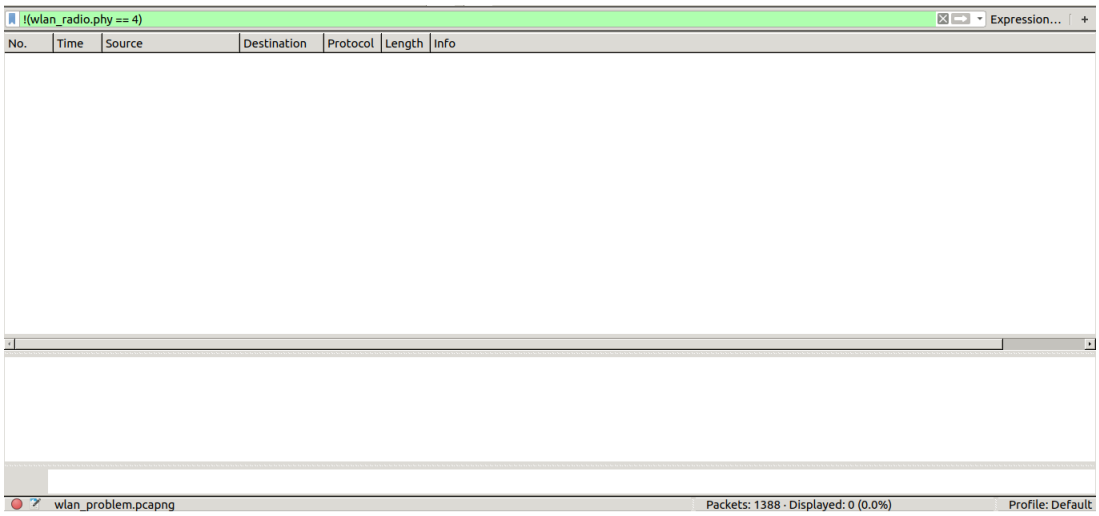

# 3. Quiz 3

En este ejercicio el problema es que ciertos paquetes tienen errores en con el checksum o el payload.

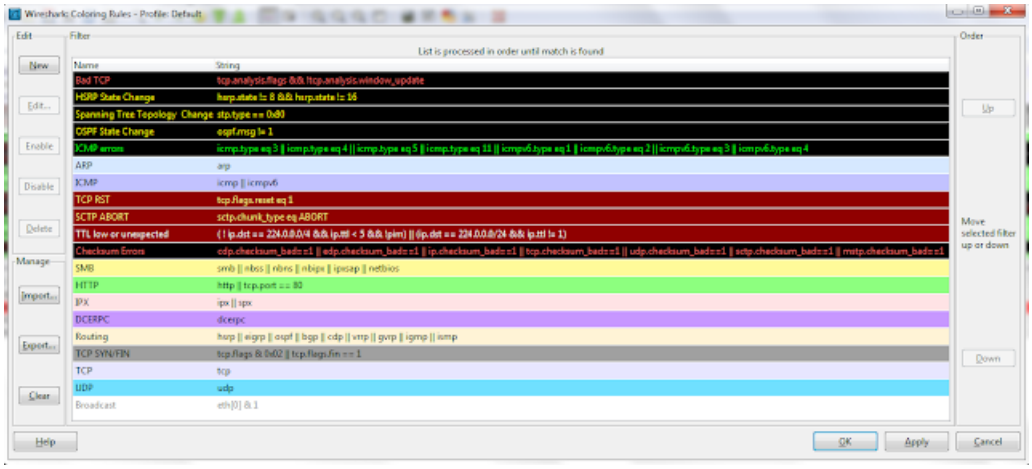



El tráfico es todo 802.11:






Todo el tráfico coloreado de blanco es de tipo broadcast (802.11) y el negro de tipo error en el checksum.




# Referencias

[1] *Coloring rules*, `http://manualwireshark.blogspot.com/`.