

CHANNEL ACTIVITY SURVEILLANCE APPLICATION BASED ON CHANNEL POWER. © Pablo Torío

File: SMM 2024-06-7 al 8.csv

Sample period = 26.039 s

Total length = 3328 samples = 24.000 hours

Number of surveillance windows = 3269

Surveillance window length = 60 samples = 25.960 minutes

There are 241 channels, from 156.000000 to 162.000000 MHz. Channel width = 25.0 kHz

Activity measured by signal to noise ratio (S/R) related to the channel with the minimum average power

minimum mean square field: 6.36 (uV/m)², in channel 157300000

maximum mean square field: 11108.77 (uV/m)², in channel 160825000



S/R threshold = 5 dB

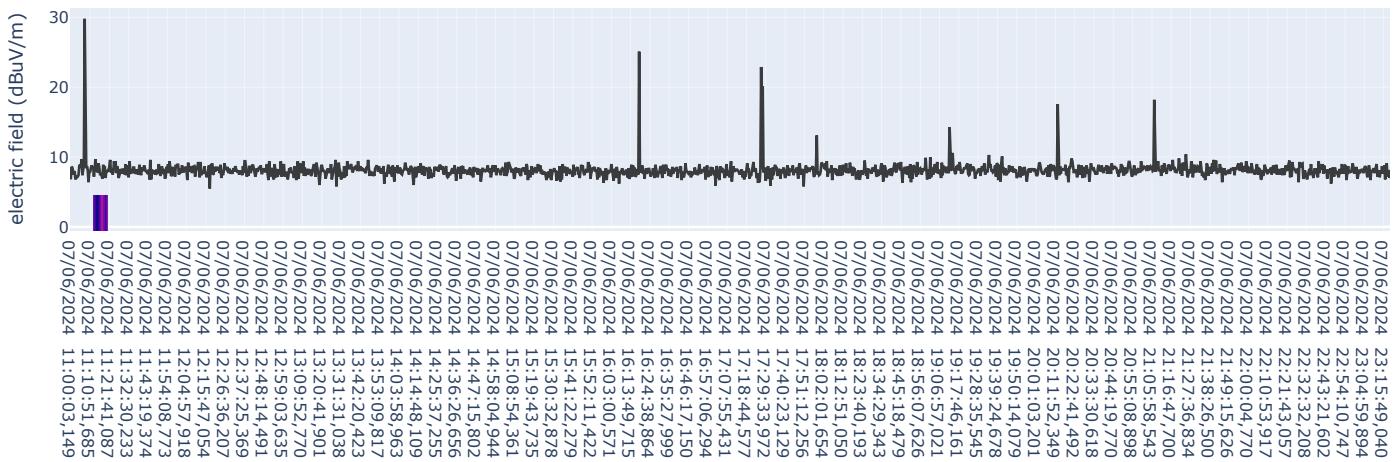
CHANNEL BROWSING BY ASCENDING FREQUENCIES --- Channel frequency list (Hz), sorted by ascending frequencies:

156875000



Average Activity = 0.67 dB --- Percentage of surveillance windows exceeding S/R threshold (5 dB) = 2.42 %

GRAPH --- Above: Channel electric field (dBuV/m) --- Below: Color map of channel Activity. Color bars are only present when S/R > 5 dB



CHANNEL BROWSING BY DESCENDING ACTIVITY --- Channel frequency list (Hz), sorted by descending S/R:

156800000



Average Activity = 27.24 dB --- Percentage of surveillance windows exceeding S/R threshold (5 dB) = 19.76 %

GRAPH --- Above: Channel electric field (dBuV/m) --- Below: Color map of channel Activity. Color bars are only present when S/R > 5 dB

