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How to Read and Interpret Waterfall Spectrograms

with Eric Camulli

VP Customer Success, 7SIGNAL

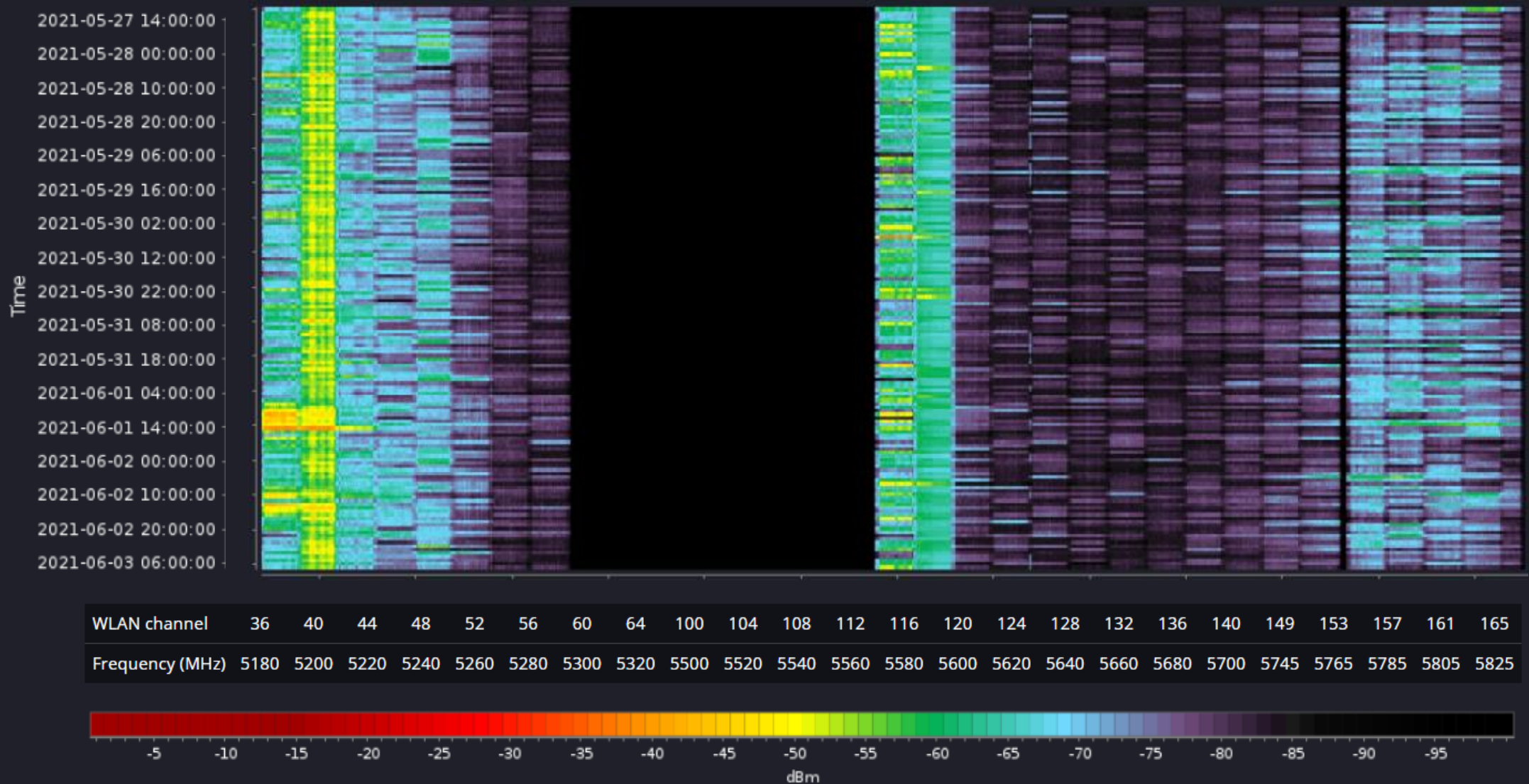
What is a Spectrum Analyzer?

- A **spectrum analyzer** measures the magnitude of an input signal versus frequency within the full frequency range of the instrument.
- The primary use is to measure the power of the spectrum of known and unknown signals.

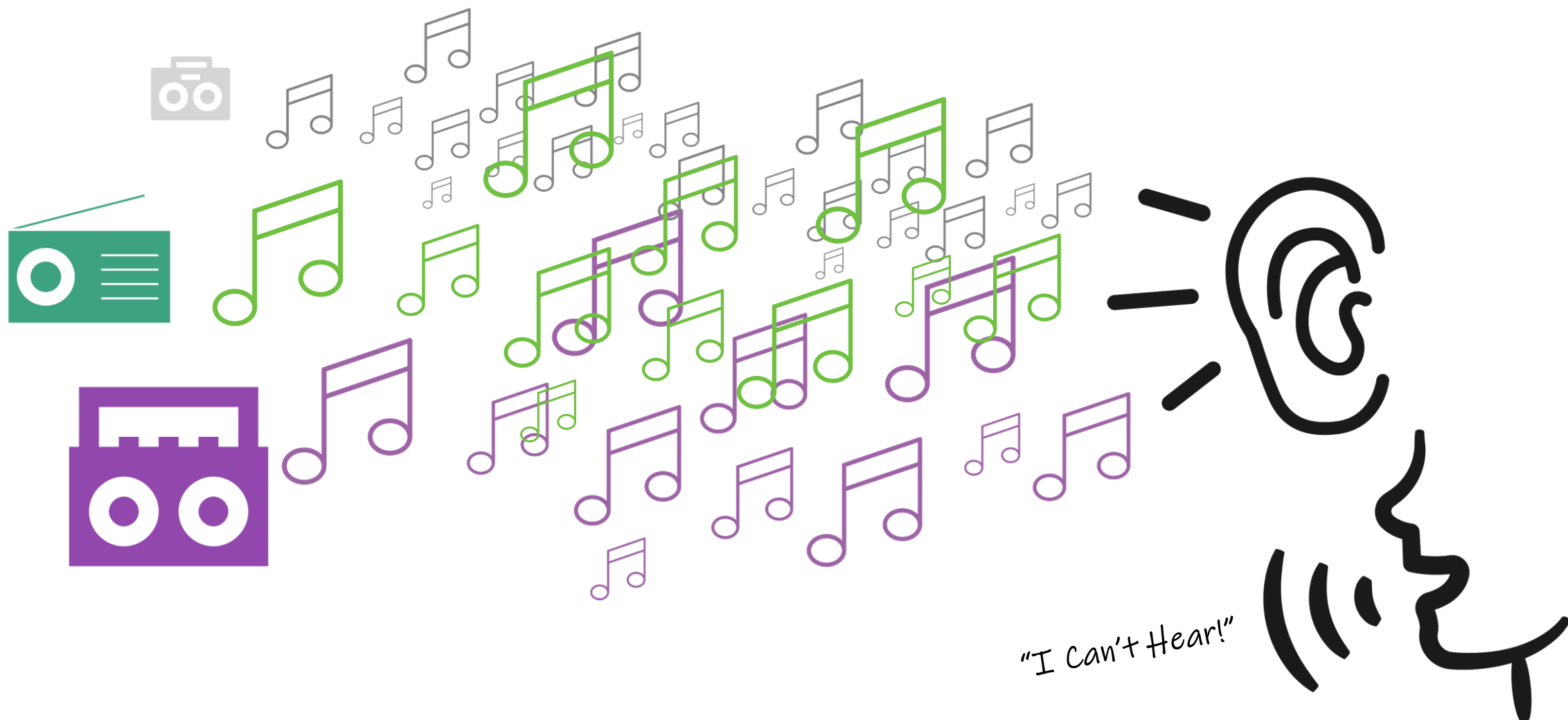


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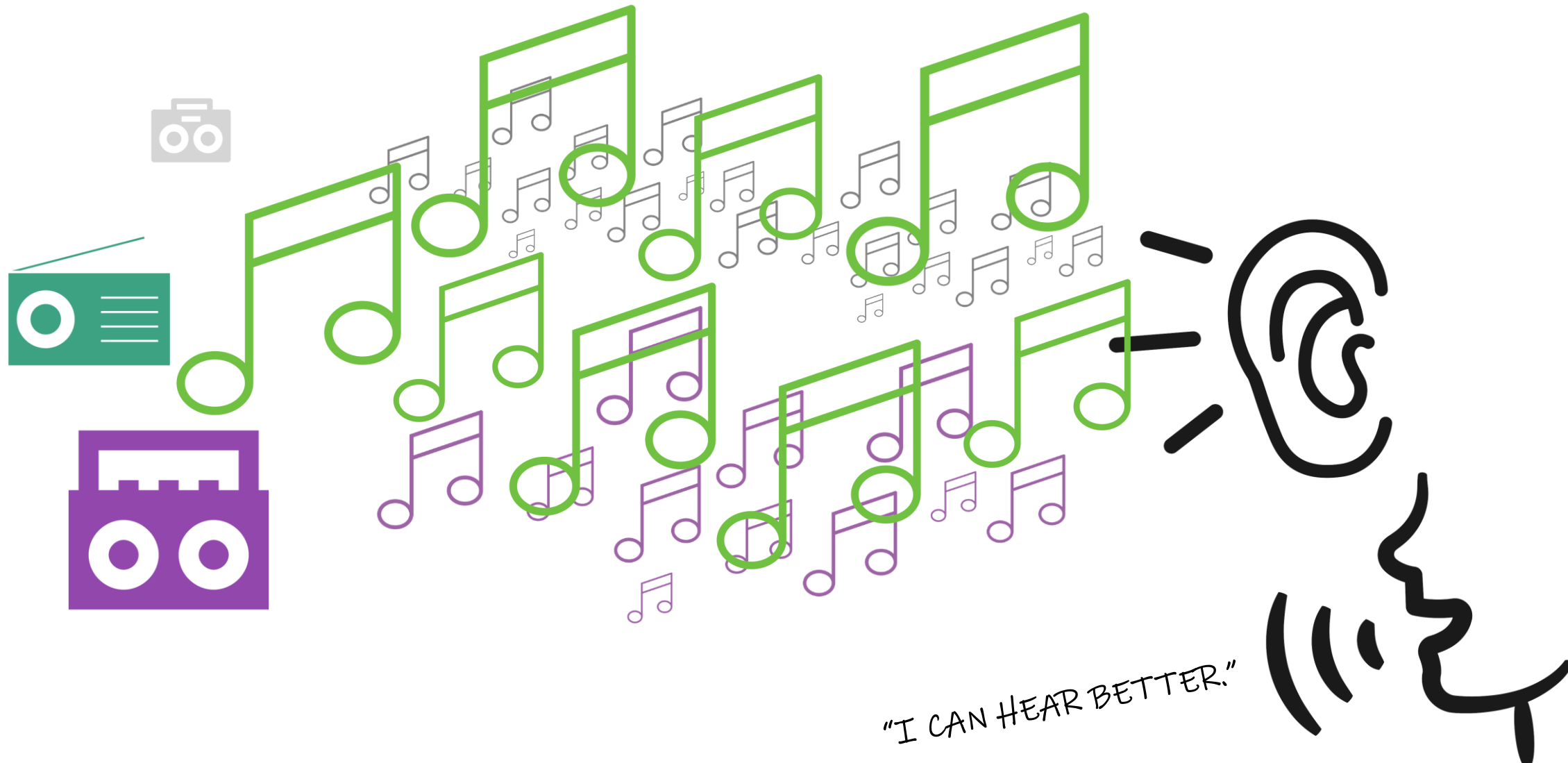
Parts of the Graph



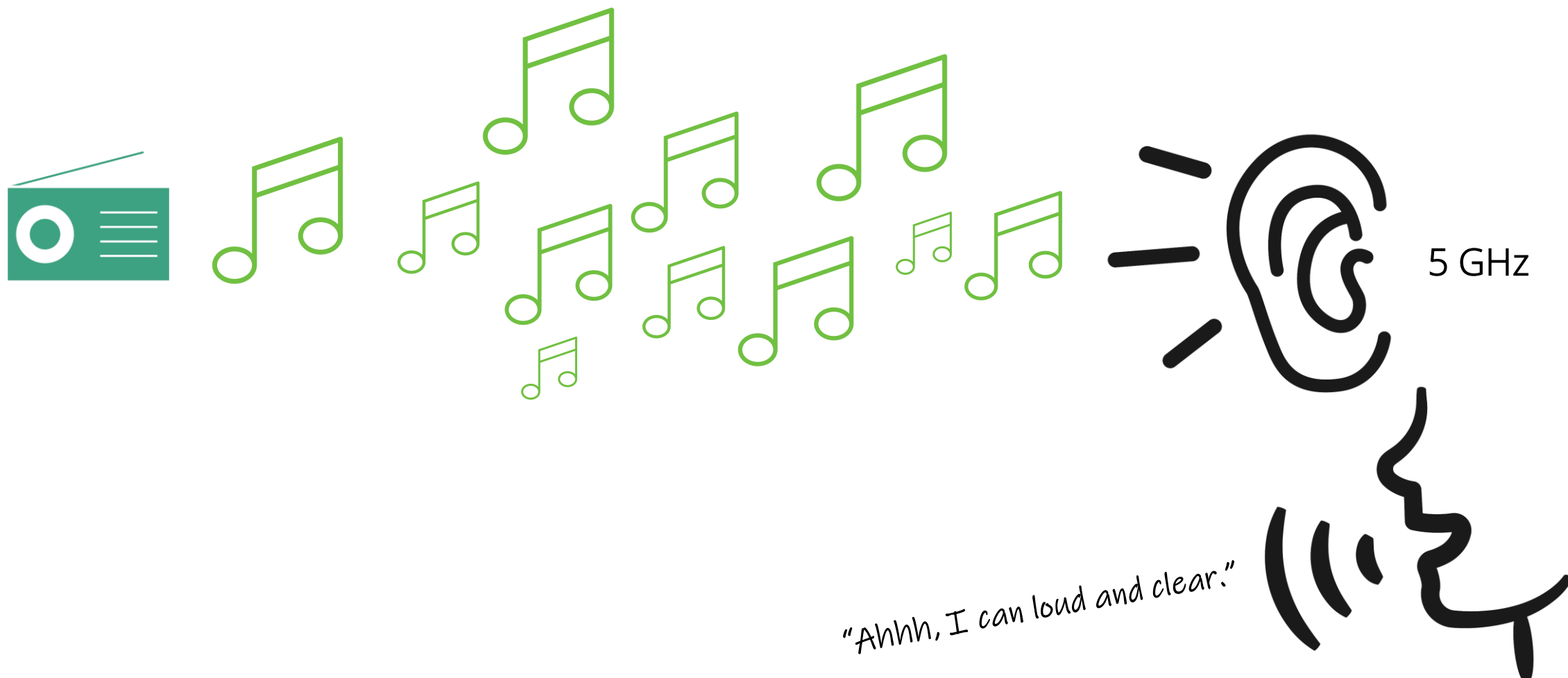
Interference and Noise



Signal to Noise Ratio (SNR)



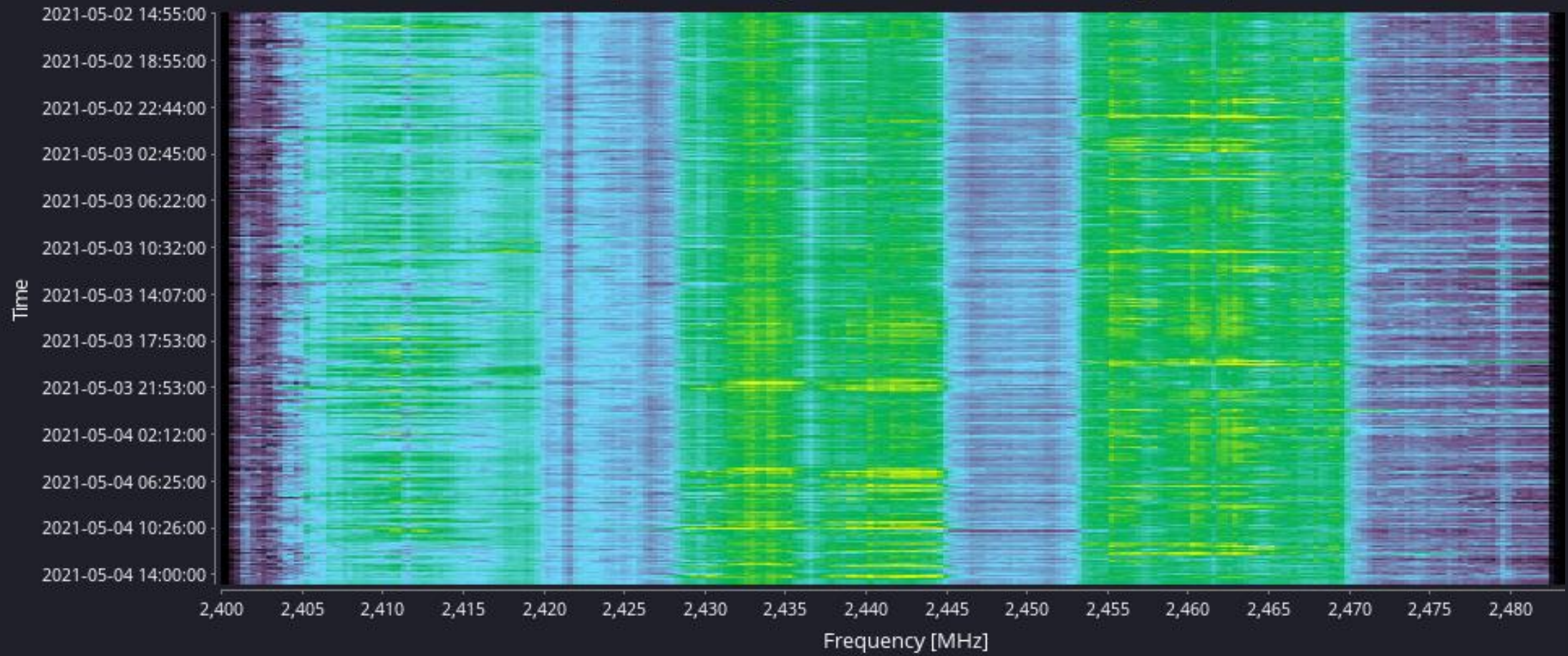
Go Somewhere Quiet

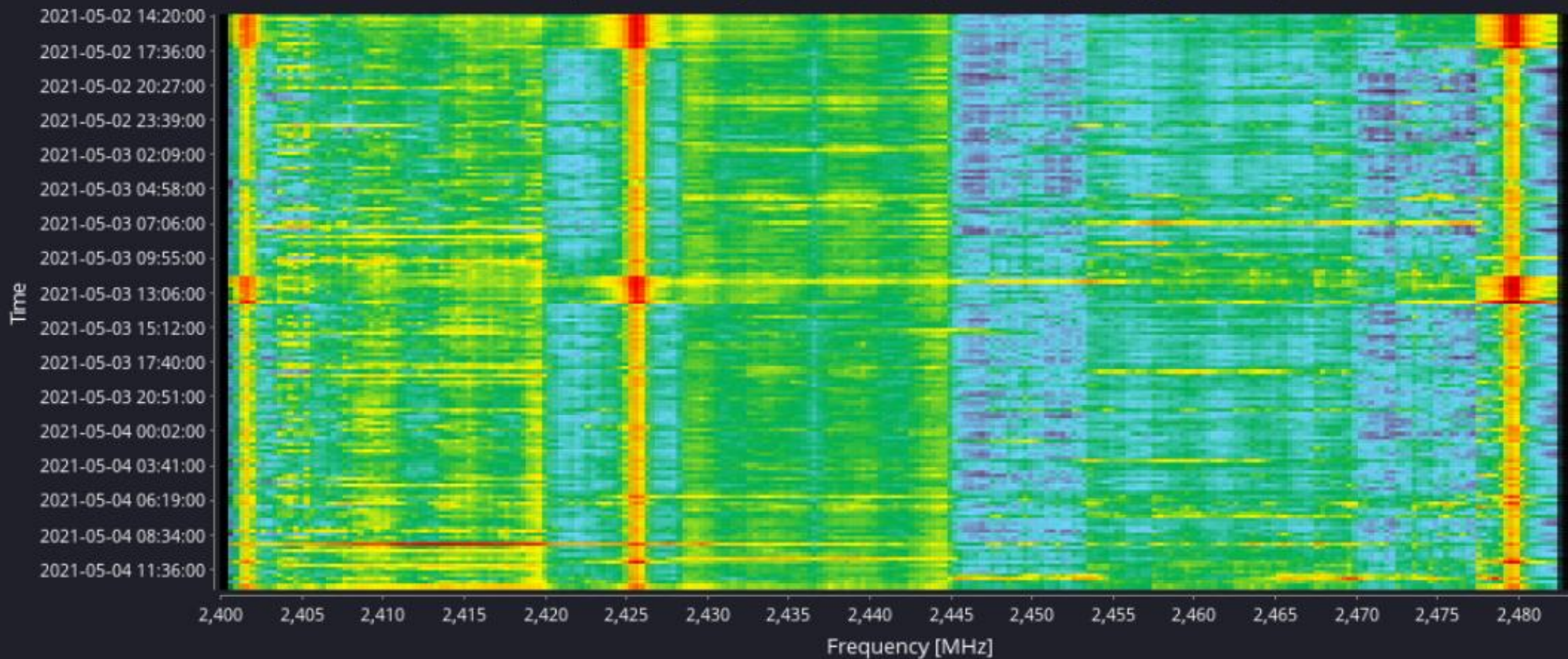


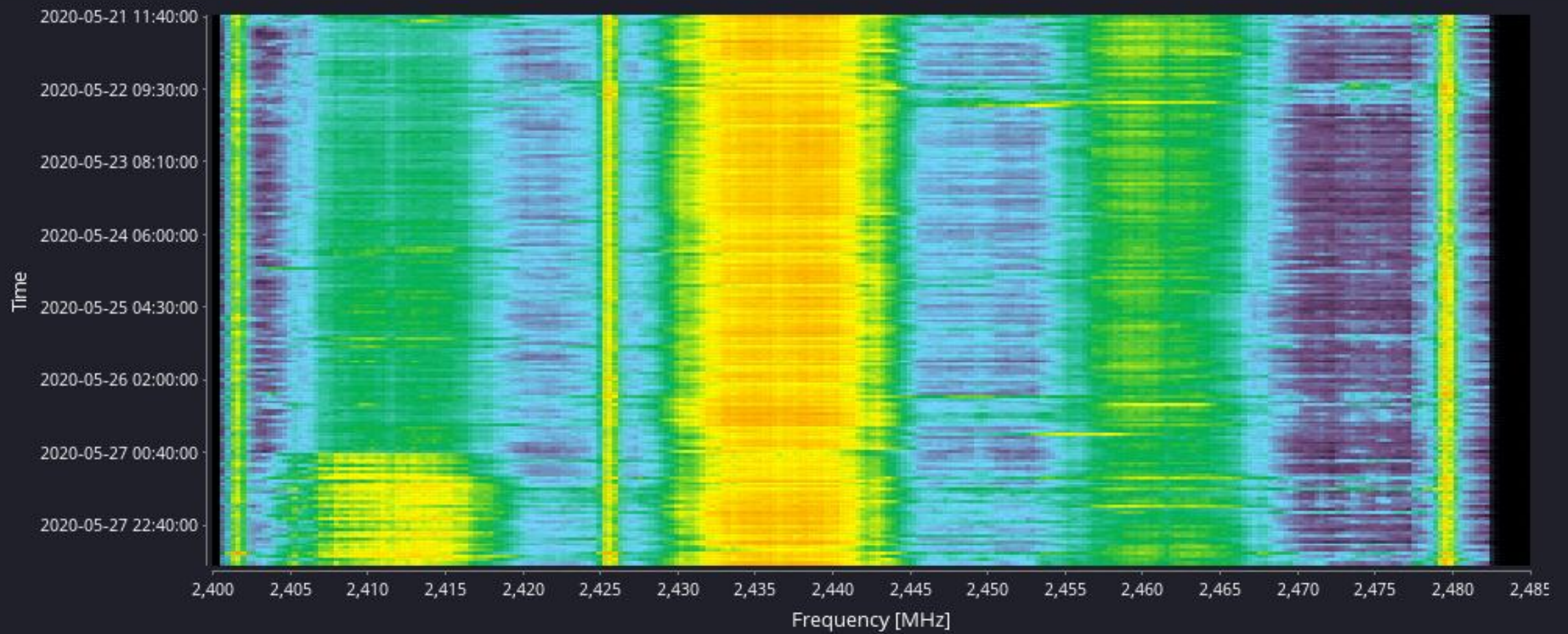


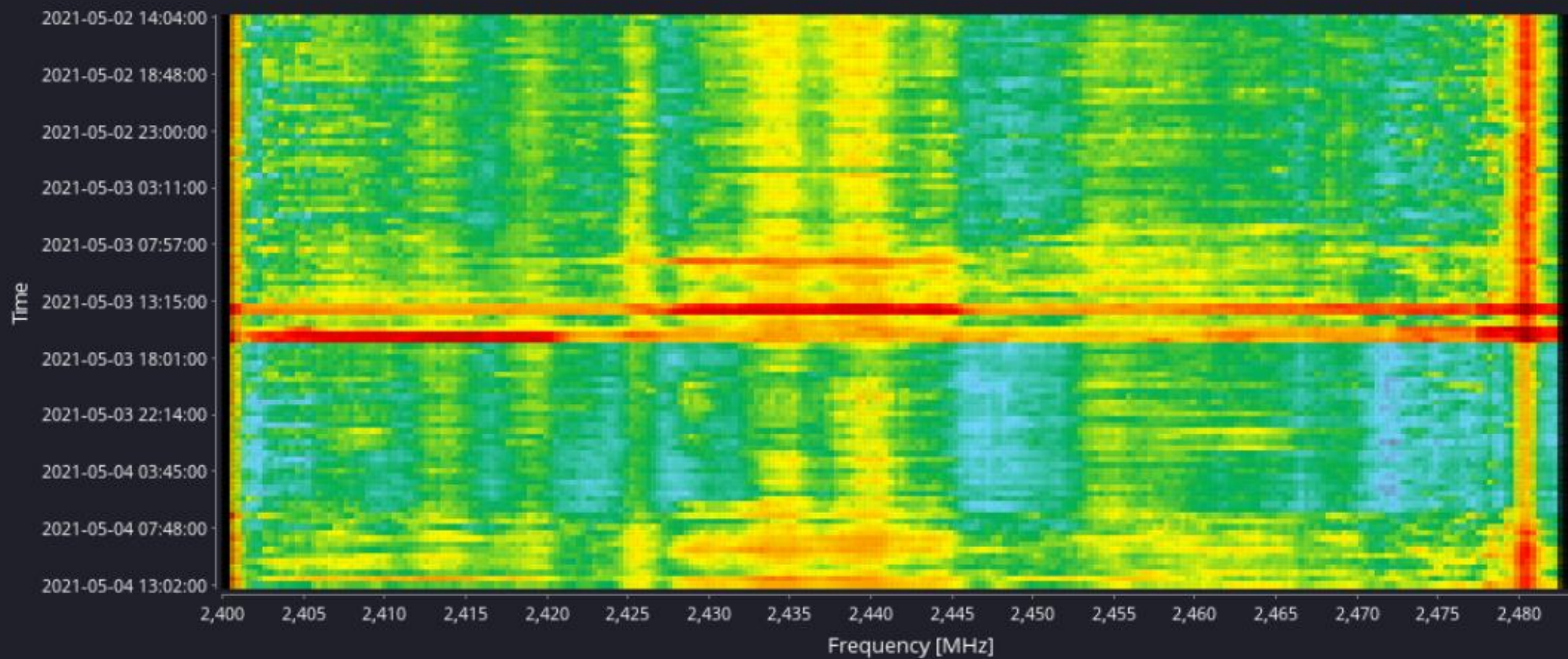
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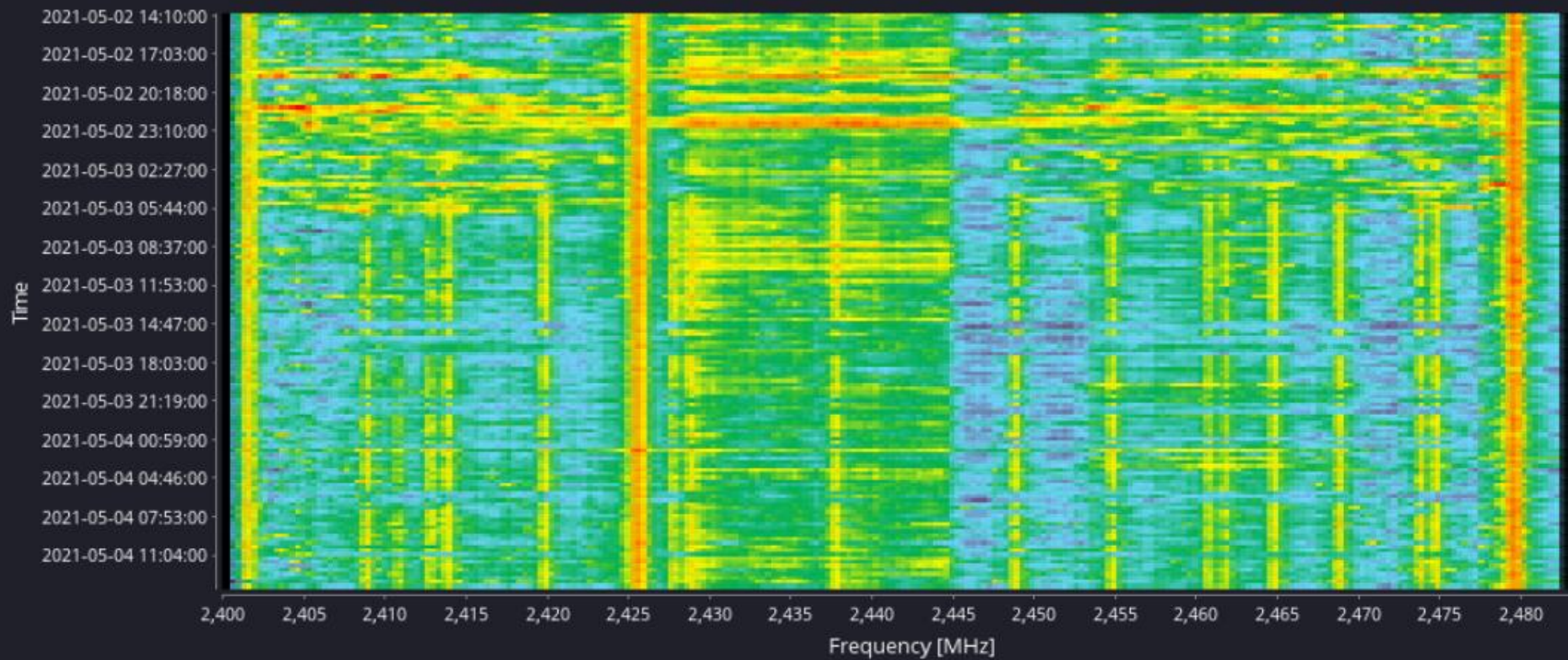
2.4 GHz

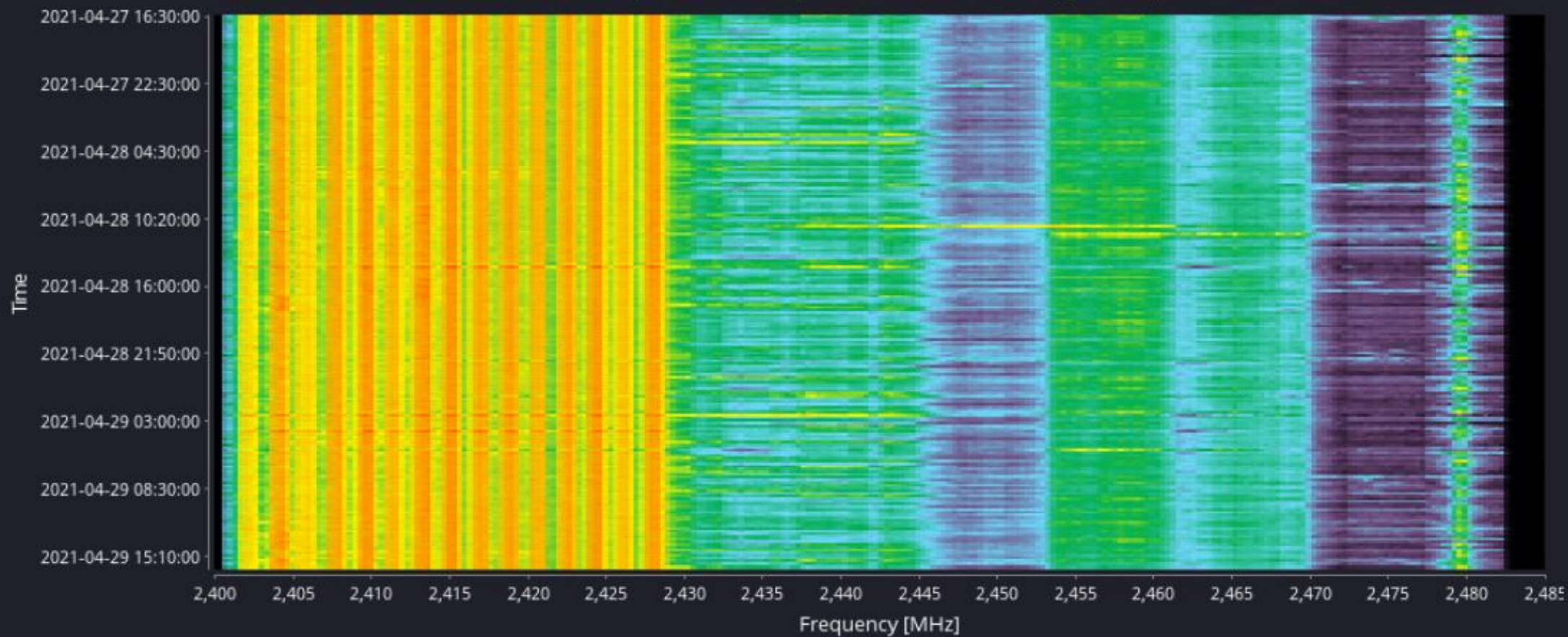


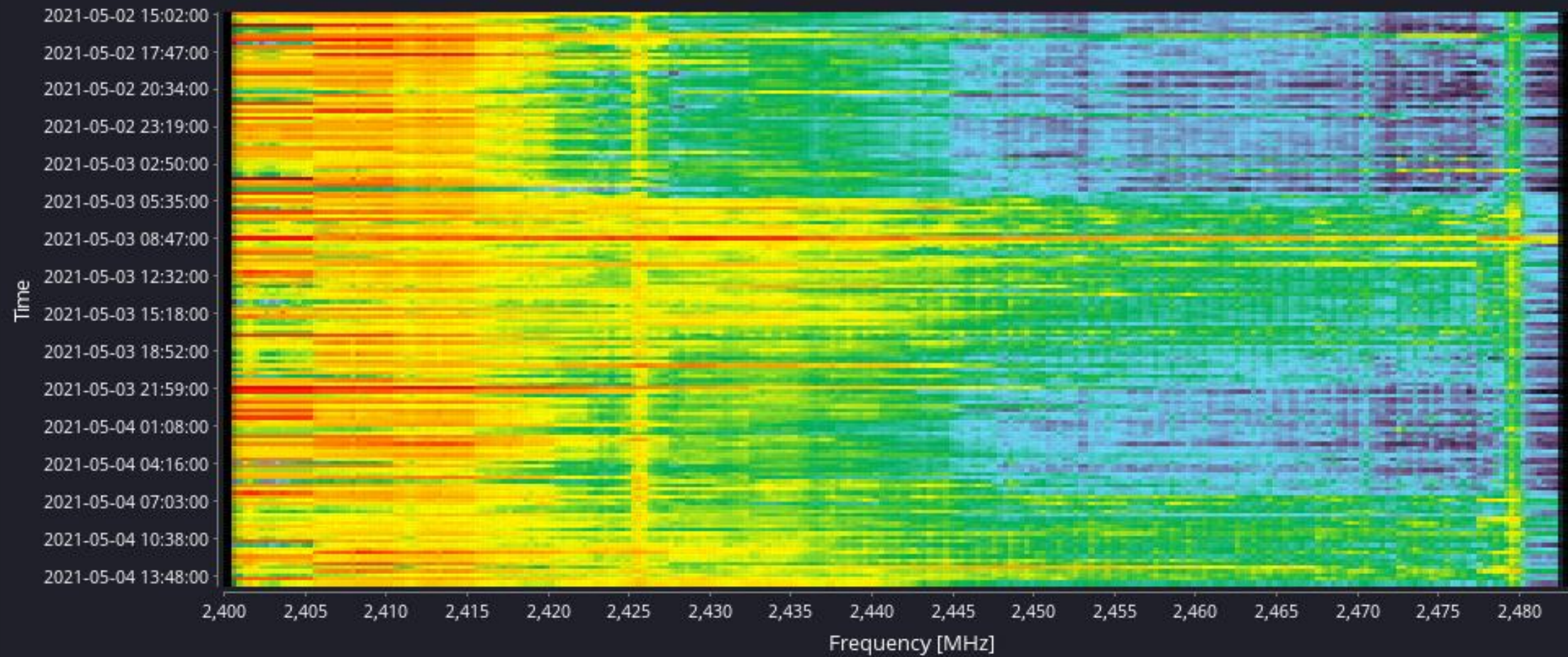


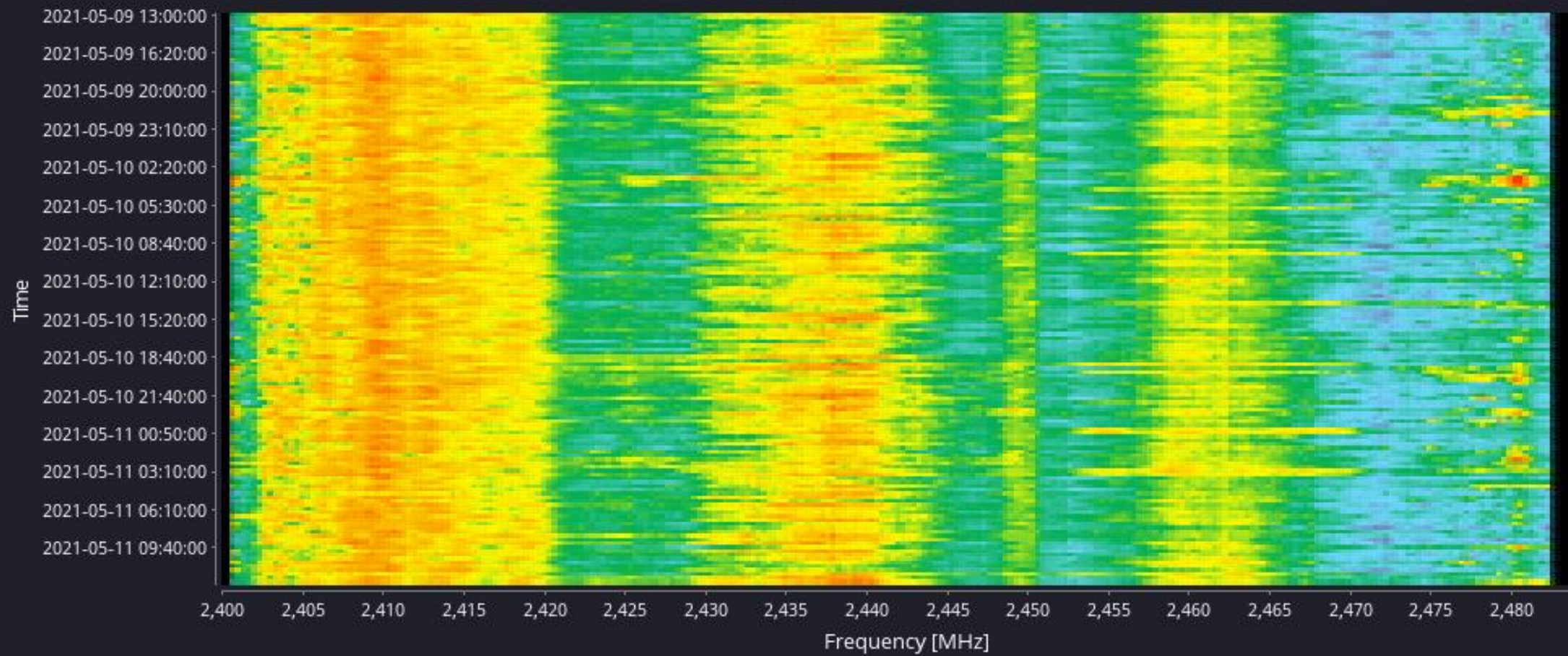


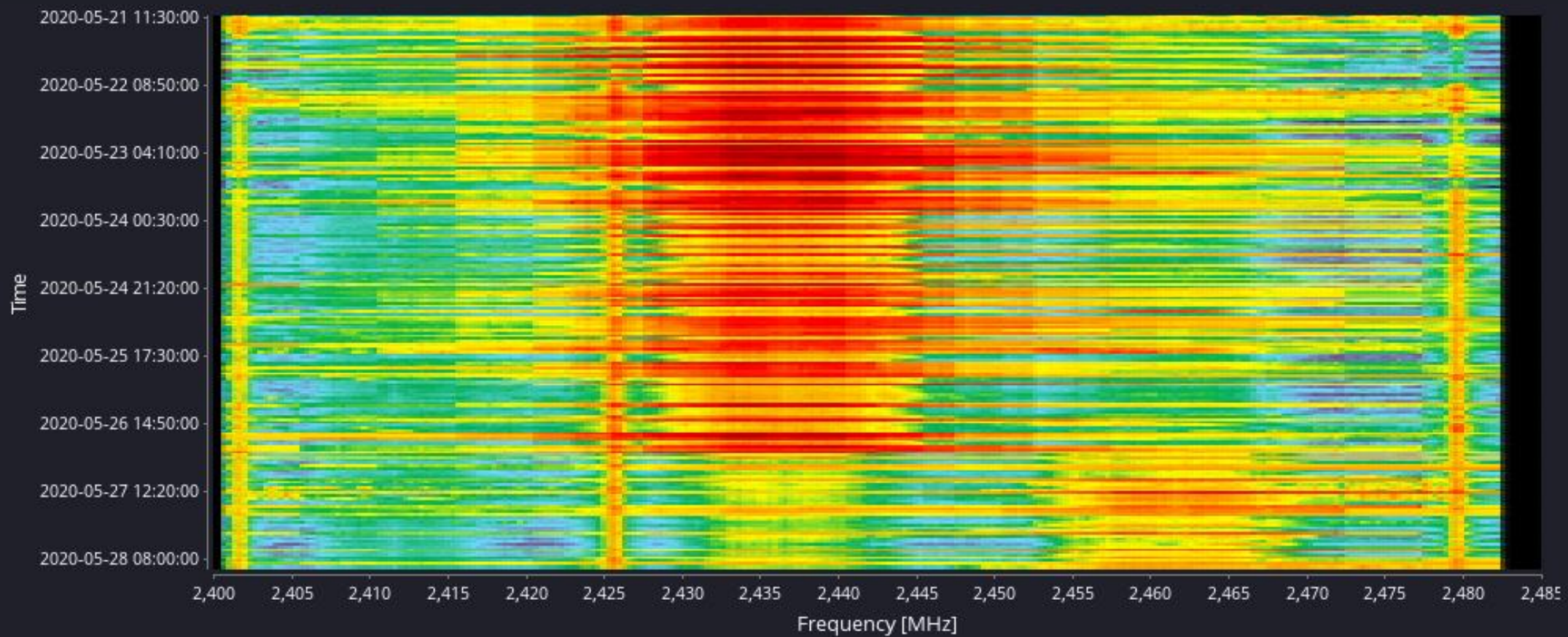


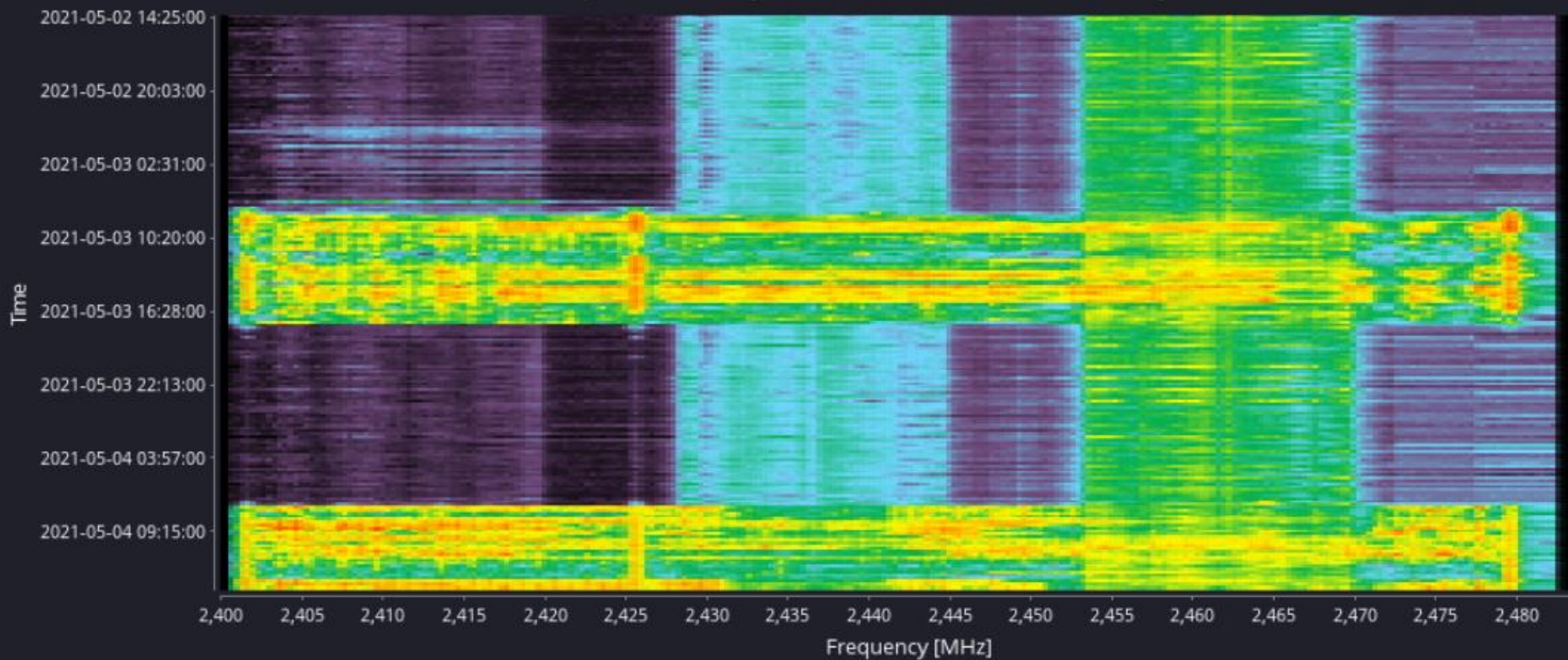








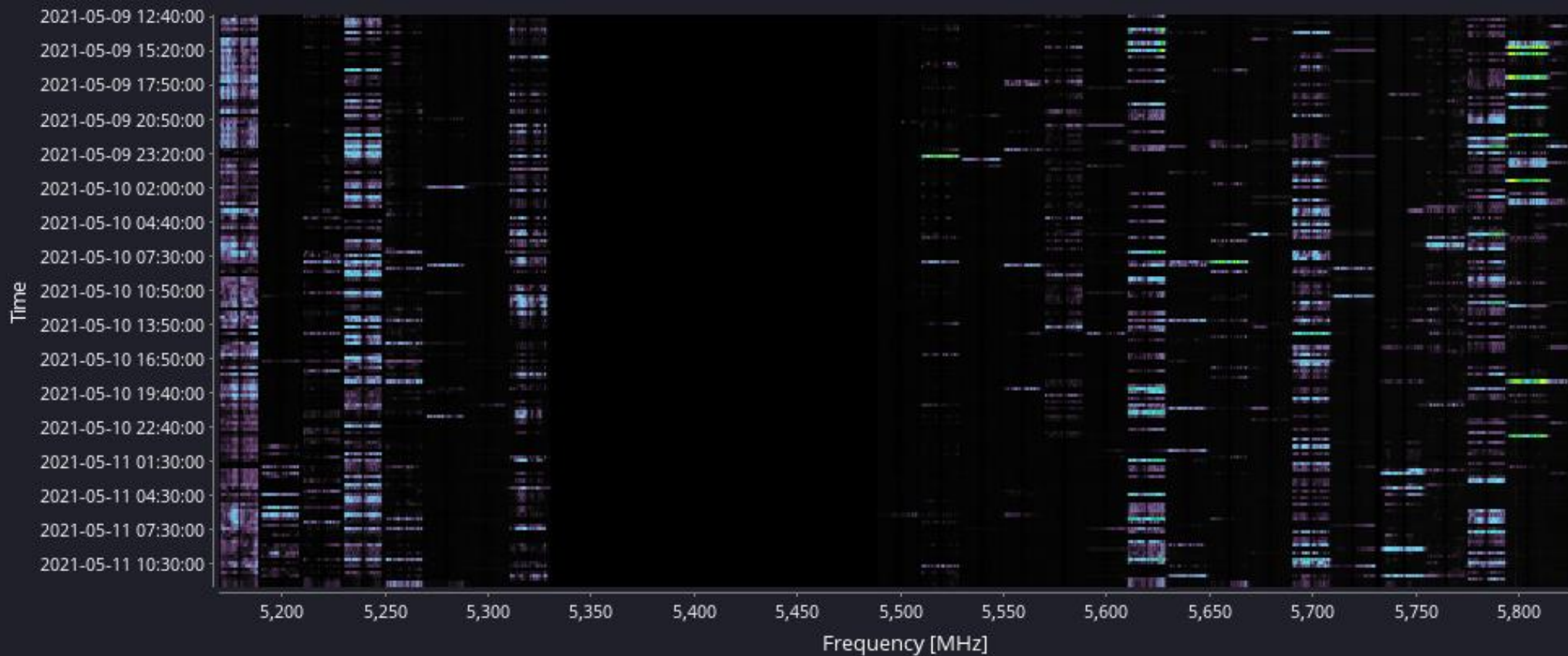






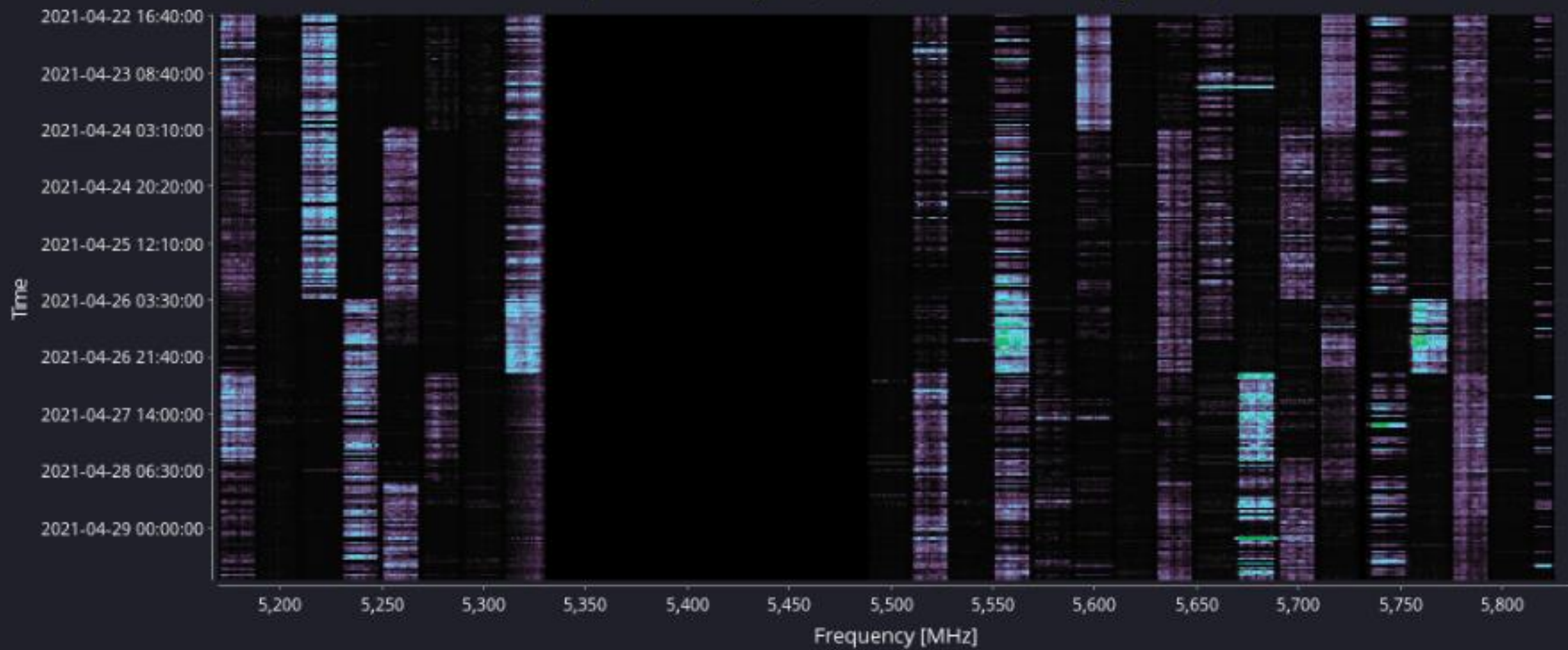
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5 GHz

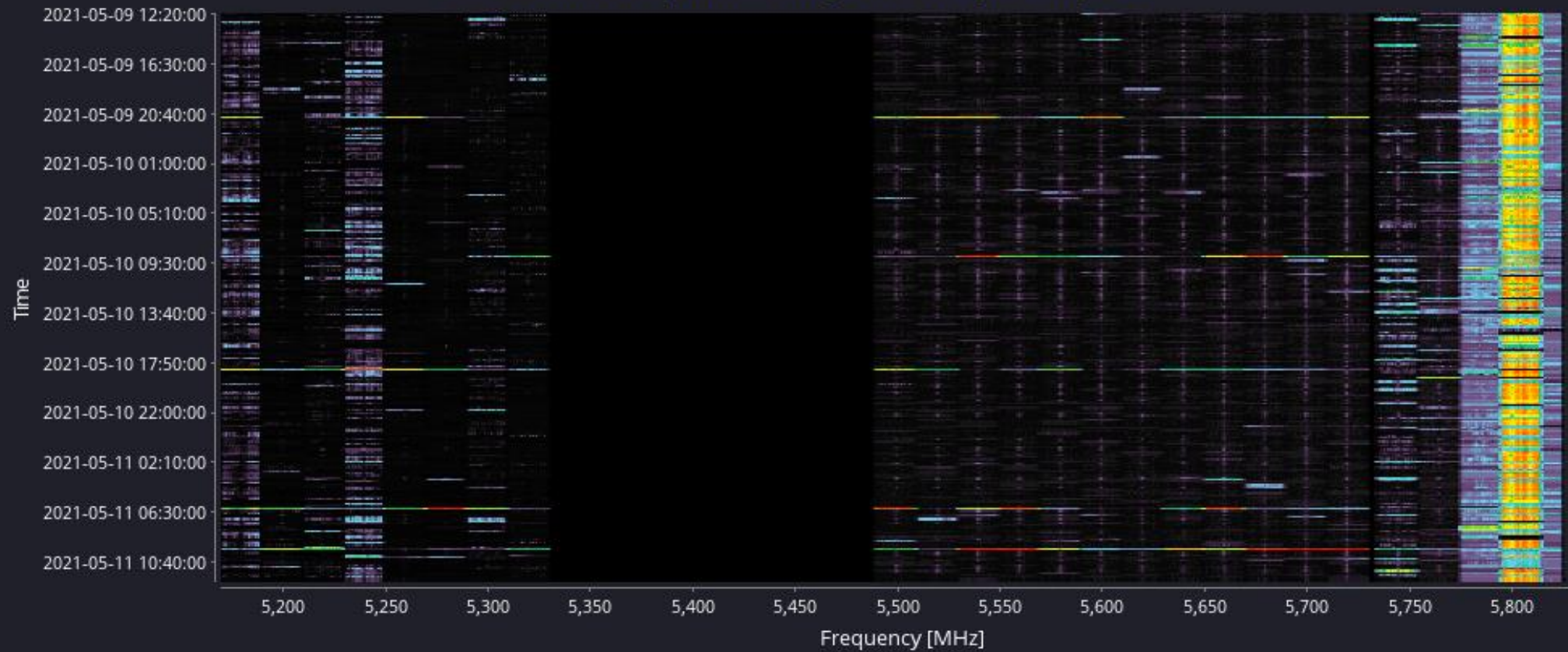






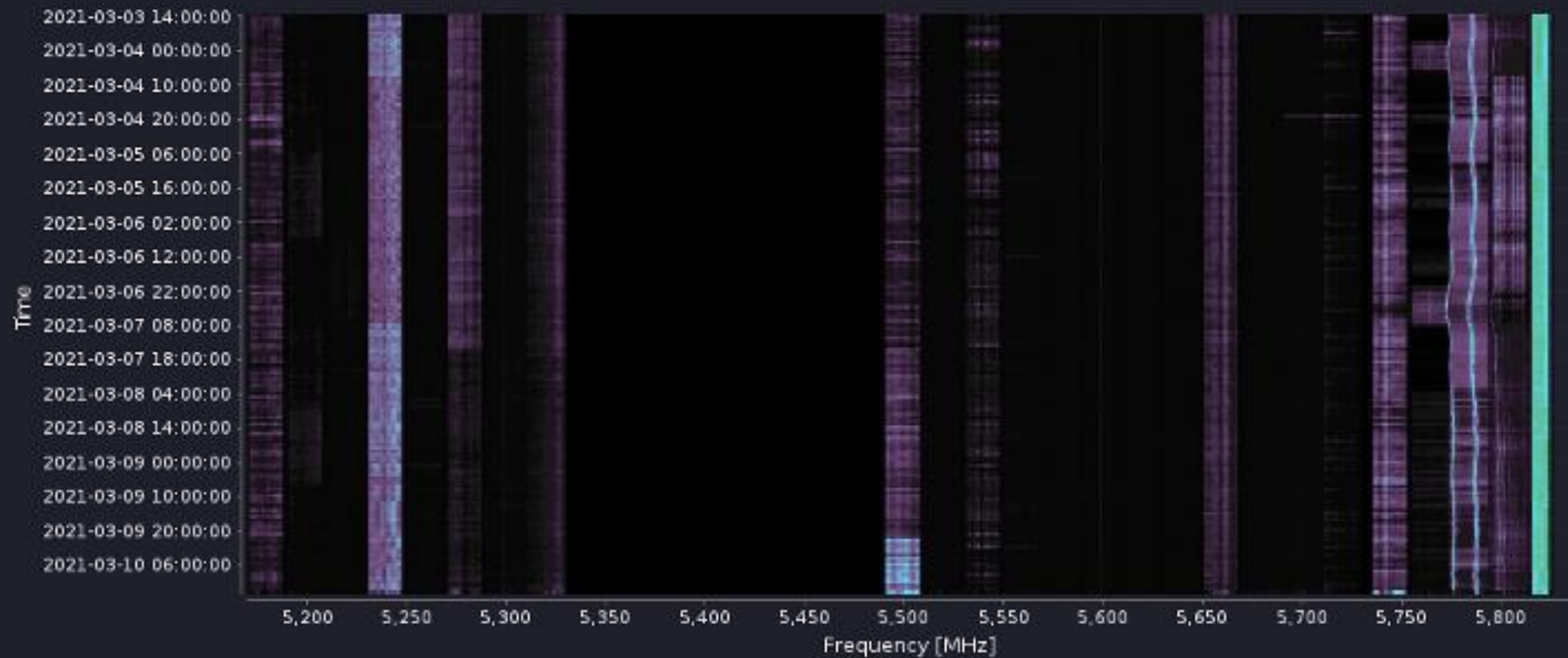


5GHz - Waterfall spectrum analyzer, AVG, Eye-02 (Eye-92)











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THANK YOU!