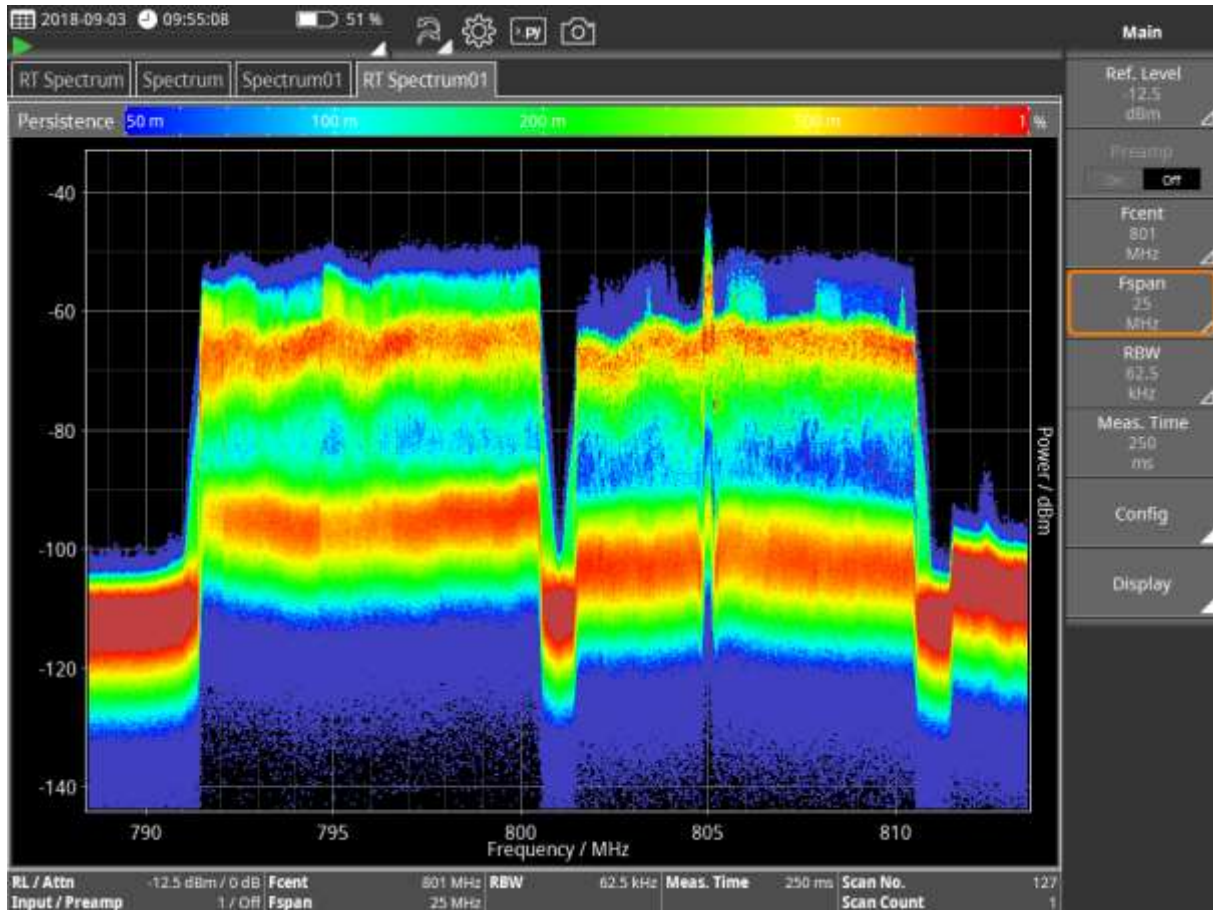


7.1 SignalShark – What’s that interference?



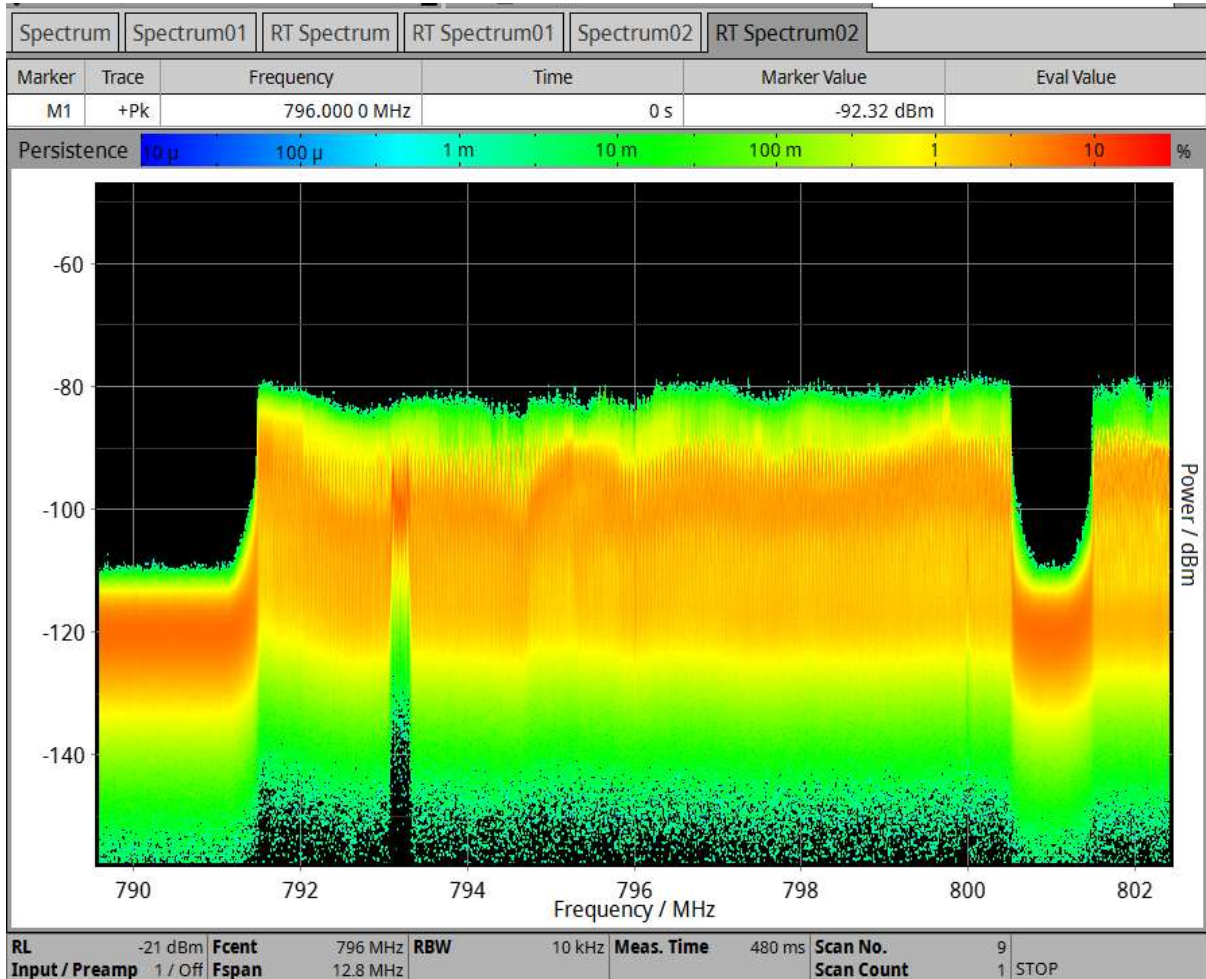
2 × 10 MHz LTE signals, commonplace nowadays. But what’s that interfering at 805 MHz? The persistence display makes it particularly clear: There is something there that doesn’t belong in the LTE signal. You’d be wrong, though if you thought it was interference. What you can see is IoT, the Internet of Things and this is transmitted by occupying resource blocks in the LTE signal. IoT is not the future, IoT has been “on the air” for some time.

So, what is IoT used for? It communicates with your smart meter, for example. Now, here’s a question for you: Would you go down into the cellar to make a phone call? Probably not, because the connection would degrade or be lost. Yet, IoT uses the cellphone network to communicate with your smart meter. Any telecom technician would tell you that’s not going to be easy. And if there’s a thermostat relay sparking right next to the smart meter, then the brave new world of communications isn’t so great, after all. The smart home is suddenly a cold home!



The “smart” world sounds promising, as long as it all works! For that to happen, the communications must reach the remotest corners. Be prepared for the here and now: This amazing new world is already here, and so is the measuring equipment you need for it. With its 40 MHz real time bandwidth and persistence display, the portable [Narda SignalShark](#) will find the interference even in the most difficult cases.

By the way, this is what a real interferer looks like, a signal at 793 MHz under an LTE signal:



Would you like to see this instrument or another Narda product demonstrated?
[Simply contact your Narda sales partner](#)