LPRF BlueNRG-12 Level-2 training
如何测量输出功率以及频偏

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Analog & MEMS Group

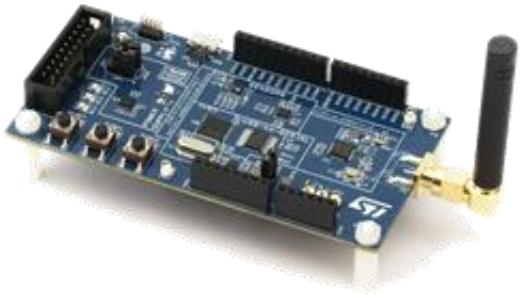
BlueNRG

life.augmented

准备工作

1. 准备客户的demo板，使用我们的Flasher工具下载DTM固件，注意预留UART，方便使用GUI工具。
2. 确认客户使用的高速晶振的频率，选择正确的DTM固件或者自己编译一个。

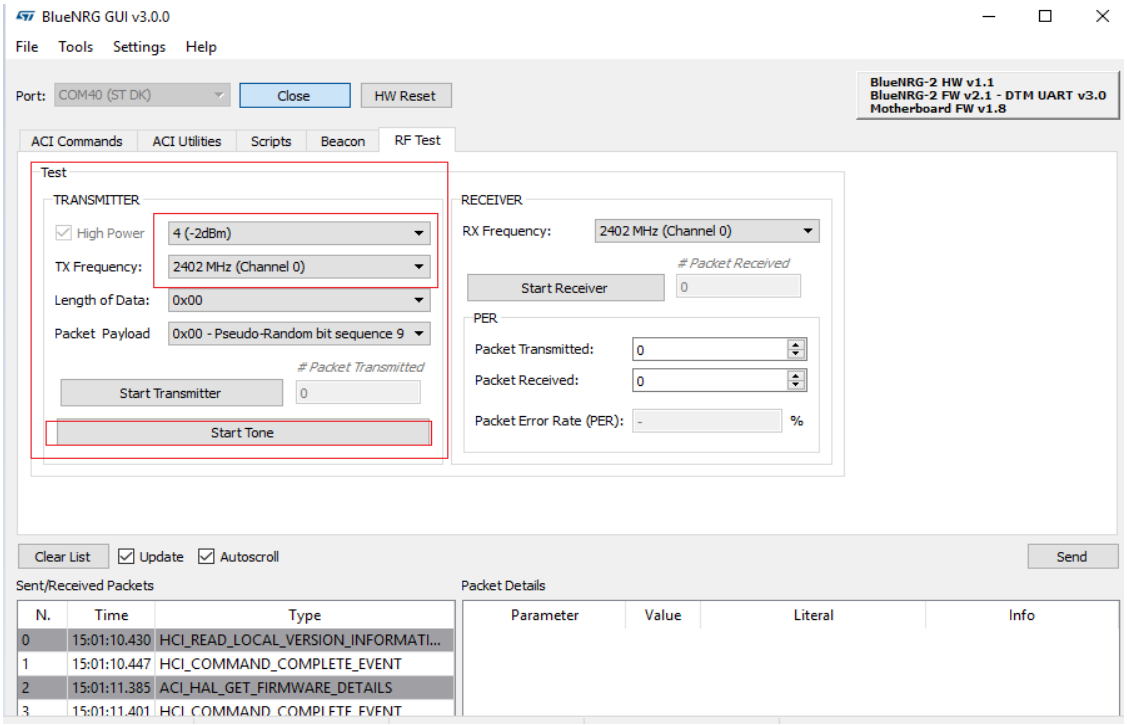
DTM_SPI.hex	6/22/2018 1:32 PM	HEX File	358 KB
DTM_SPI_NOUPDATER.bin	6/22/2018 1:32 PM	BIN File	152 KB
DTM_UART_16MHz.hex	6/22/2018 1:32 PM	HEX File	358 KB
DTM_UART_16MHz_NOUPDATER.bin	6/22/2018 1:32 PM	BIN File	152 KB
DTM_UART_16Mhz_Sleep.hex	6/22/2018 1:32 PM	HEX File	359 KB
DTM_UART_32MHz.hex	6/22/2018 1:32 PM	HEX File	357 KB
DTM_UART_32MHz_NOUPDATER.bin	6/22/2018 1:32 PM	BIN File	152 KB

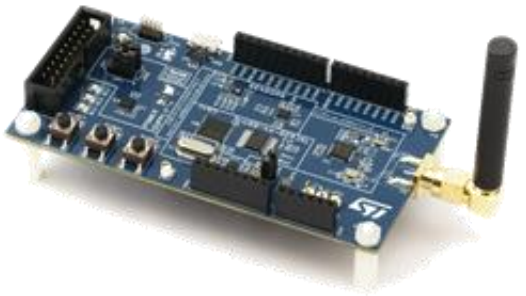


进入DTM RF test

打开 BlueNRG-GUI

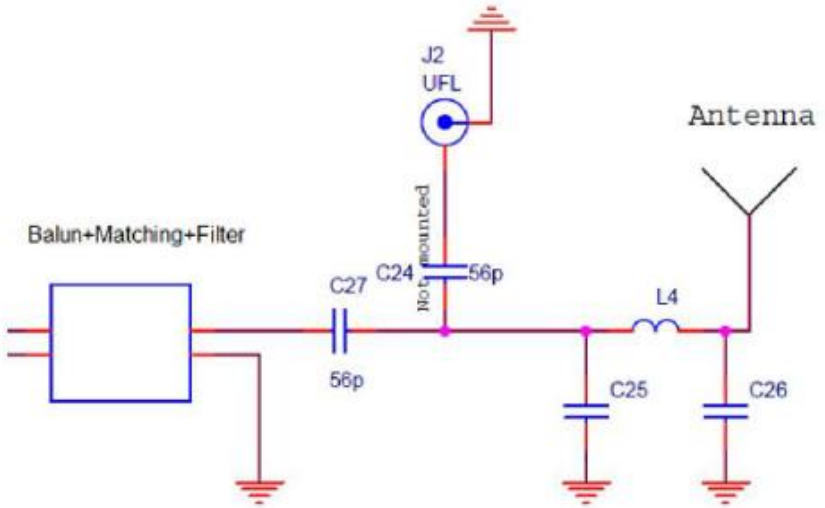
打开 RF测试项，在这我们可以设置发射功率，发射频道，以及发射载波或者BLE数据。

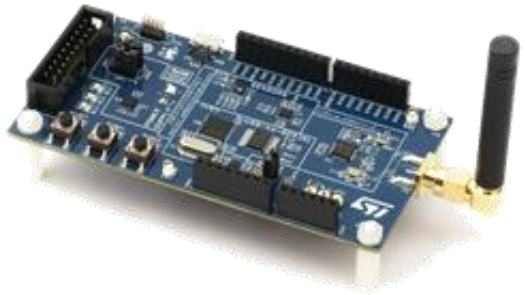




找到测试点

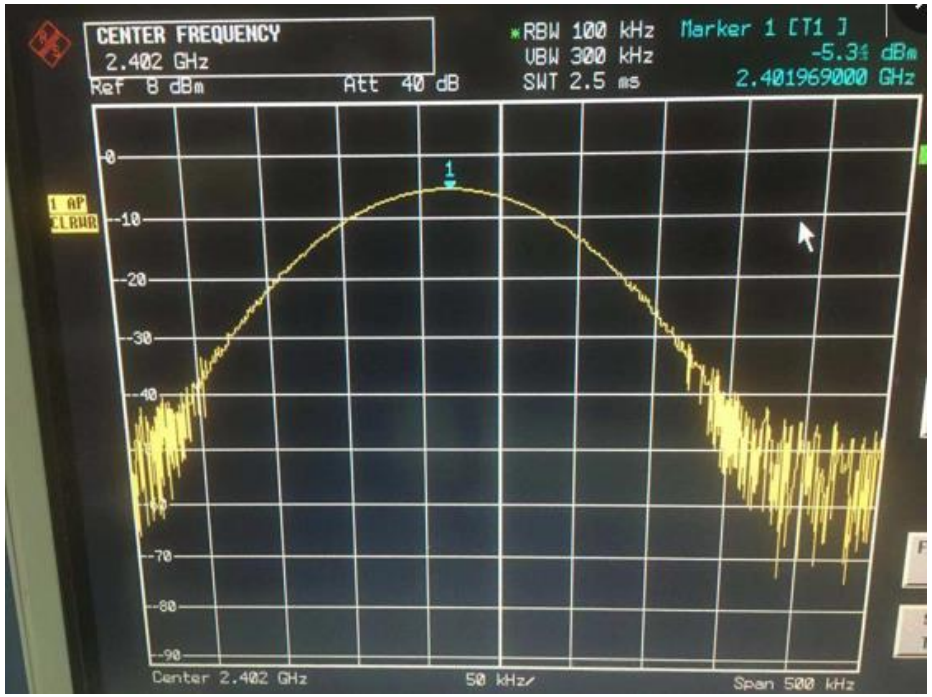
使用RF连接线连接BlueNRG-1/2板子的UFL到频谱仪。
Res BW = 100KHz, Span = 500KHz

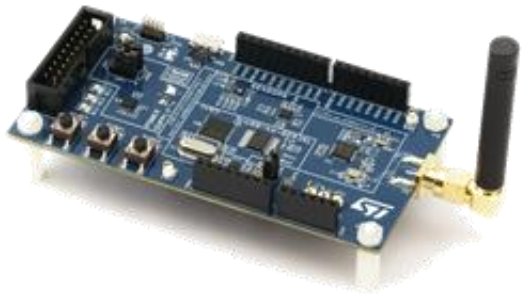




观察功率和频偏

观察发射功率和频偏





多谢！


BlueNRG
networking
nodes
network
mesh
BlueNRG-Mesh
data
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specification
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low
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