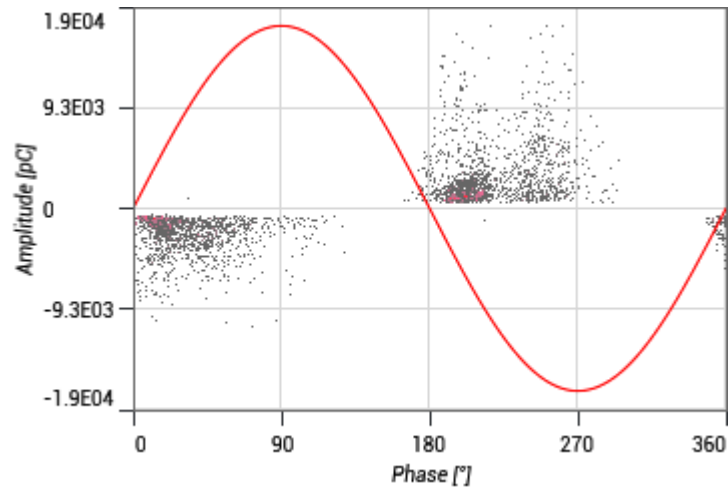


# PD set up for Boris Tube

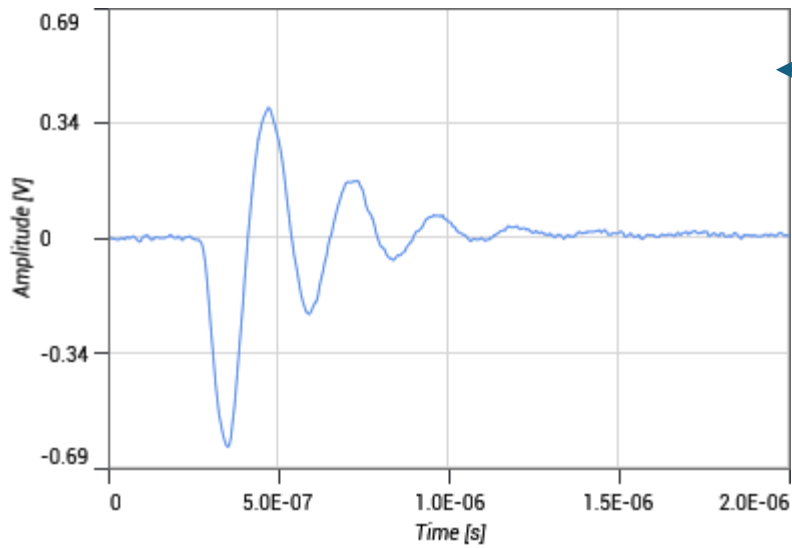
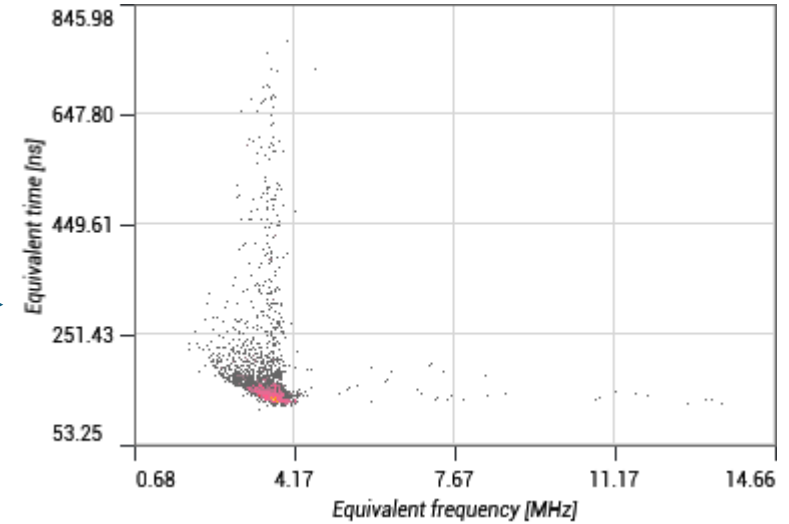


# HV and Ground connected at 20 KV \_Boris tubes floating



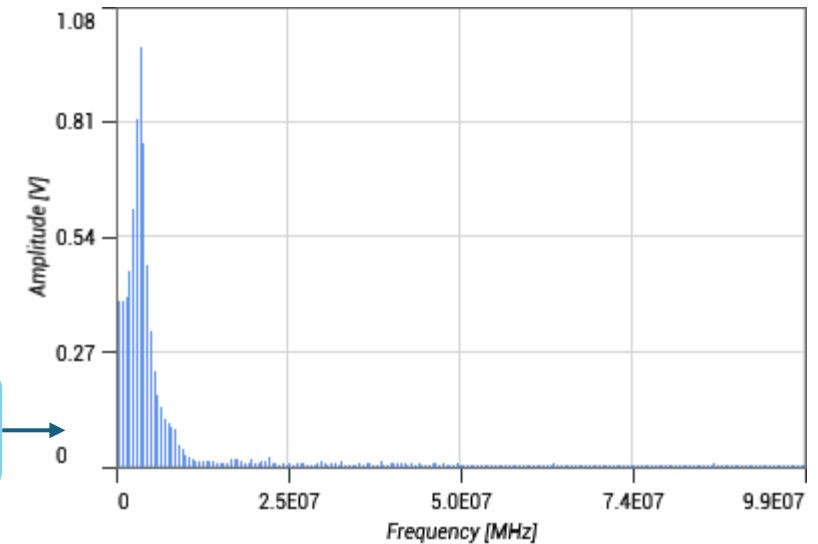
PRPD pattern

T-F map

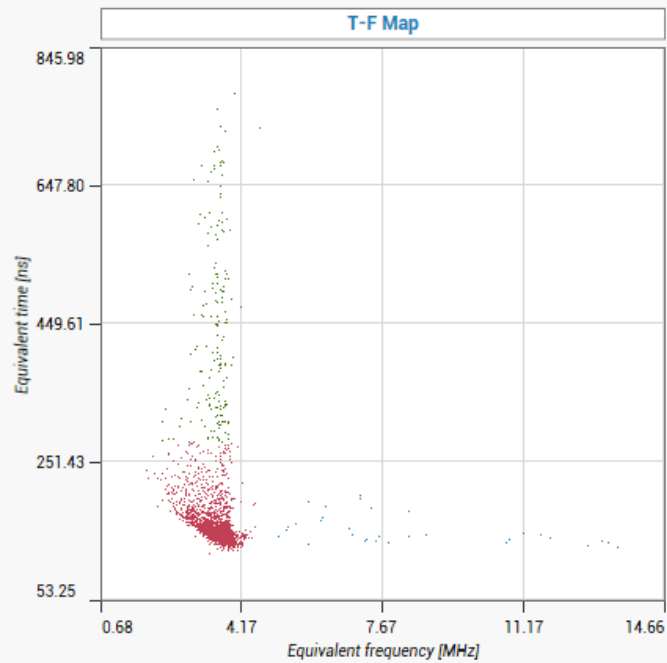
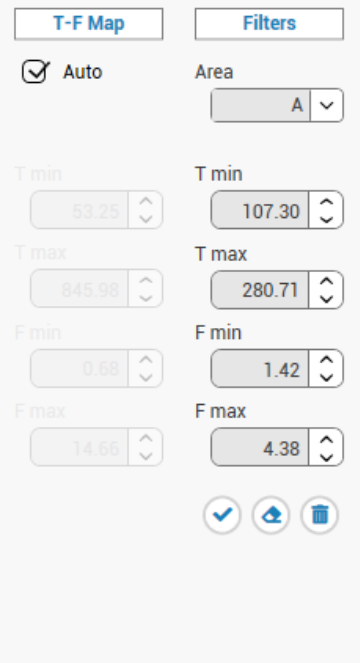
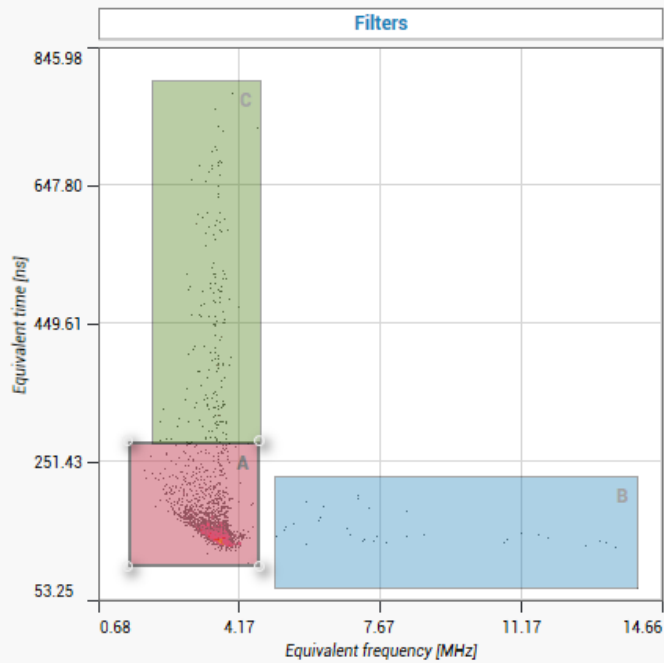


Time domain pulse

Frequency domain

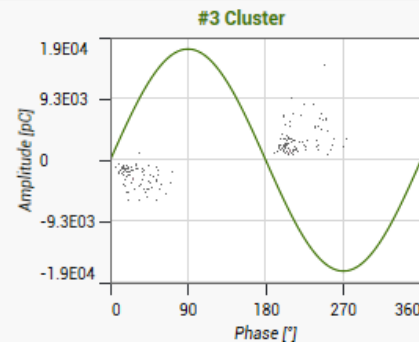
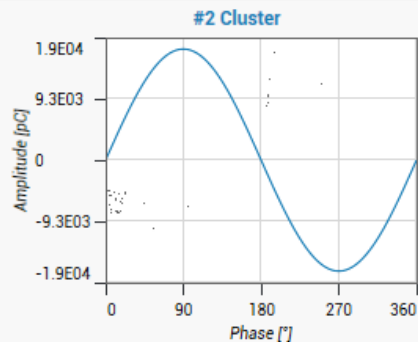
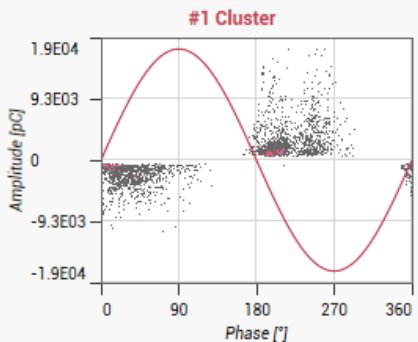


# HV and Ground connected at 20 KV \_Bories tubes floating

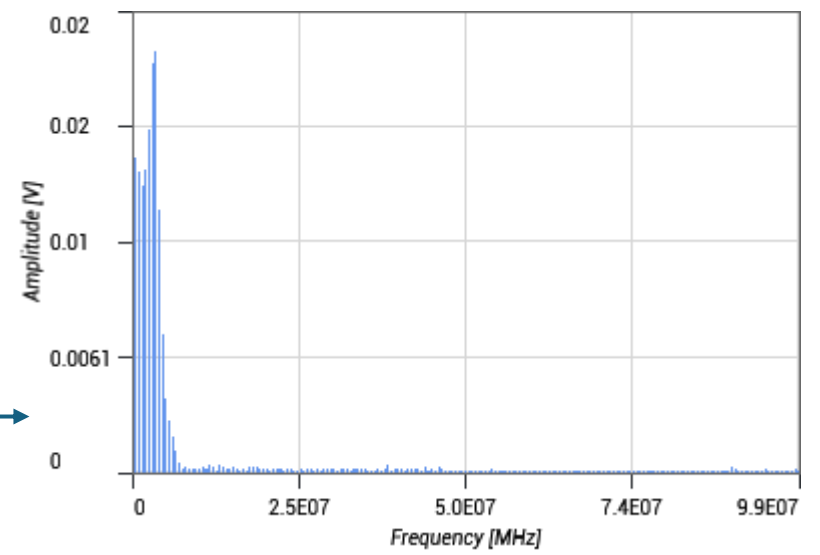
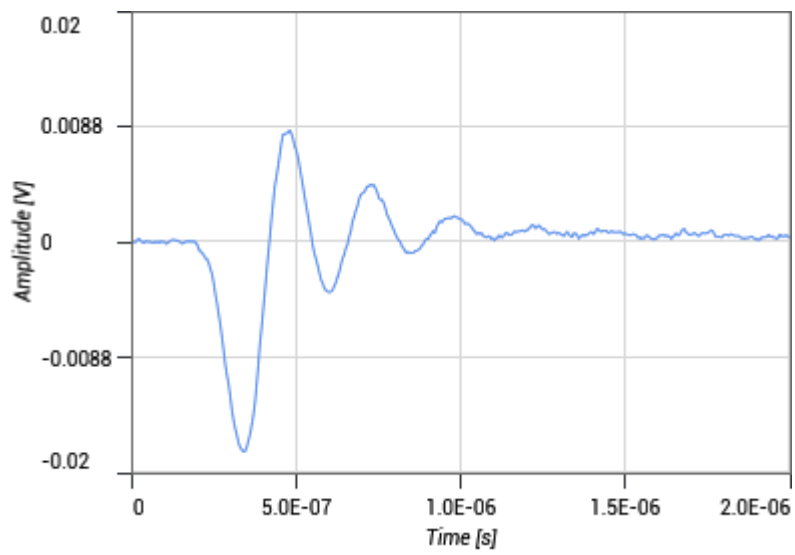
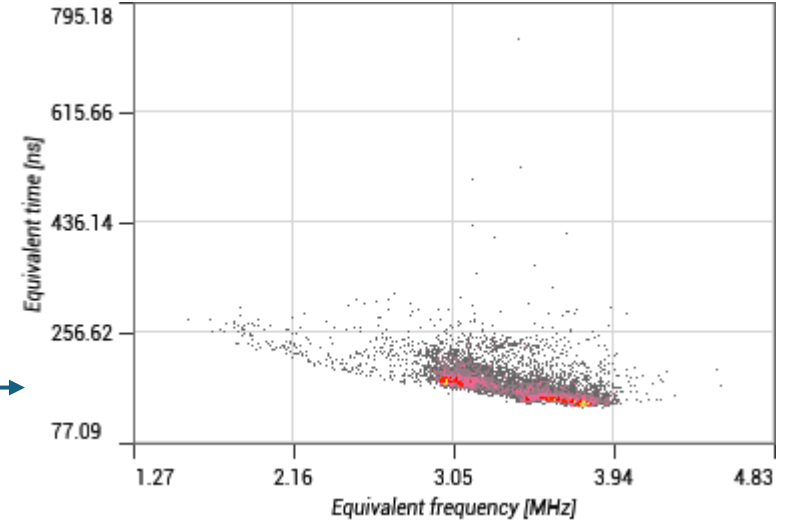
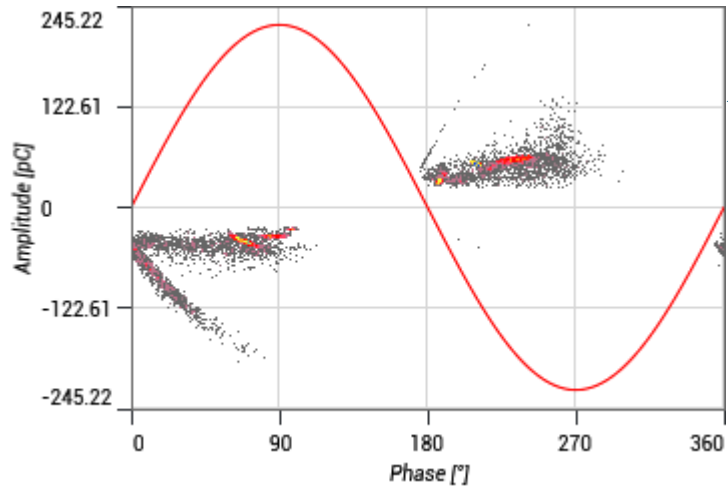


**Identification**  
 Surface discharge -- 33.2 %  
 Internal discharge-- 66.8 %

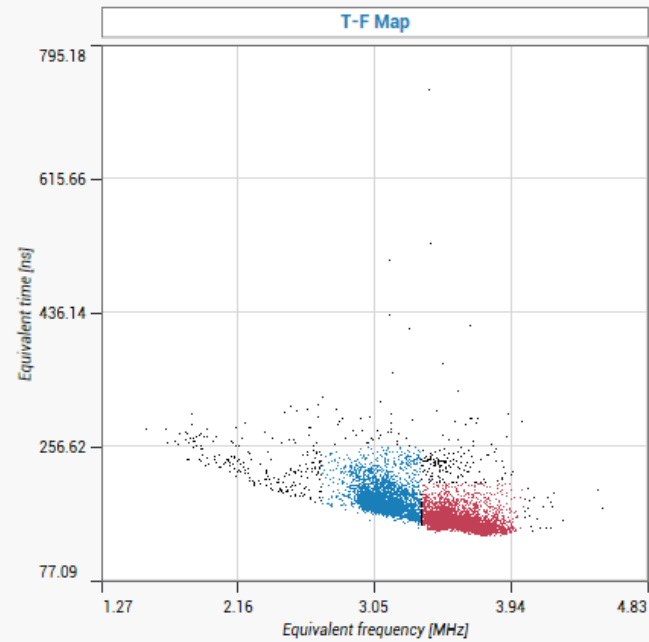
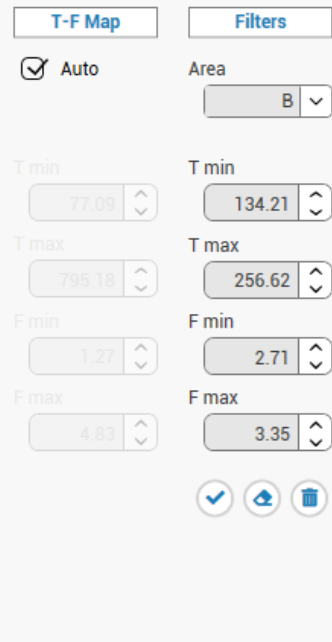
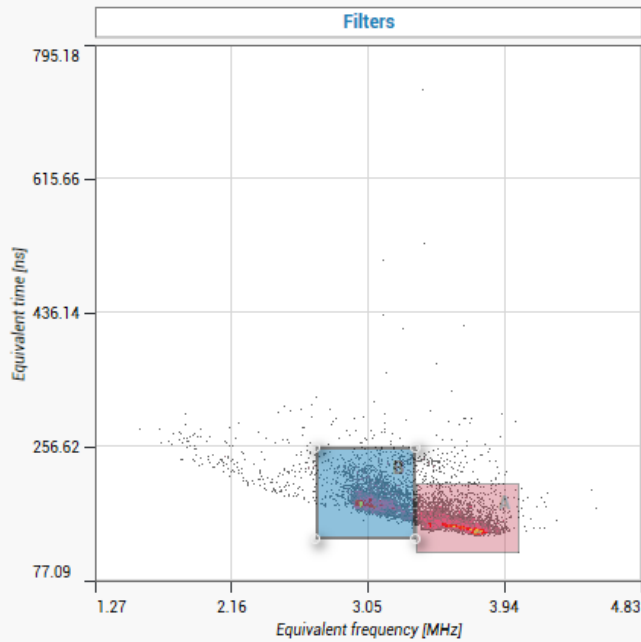
	Qmax [pC]
Positive	16779
Negative	10704.3



# Boris tube with 10 kV



# Applied voltage 10 kV Boris tube not floating



**Identification**  
surface discharge -- 22.4%  
Internal discharge -- 77.6 %

	Qmax [pC]
Positive	222.2
Negative	183.9

