



Engineering



RFQ - Pulsed DC System Update

14th January 2021



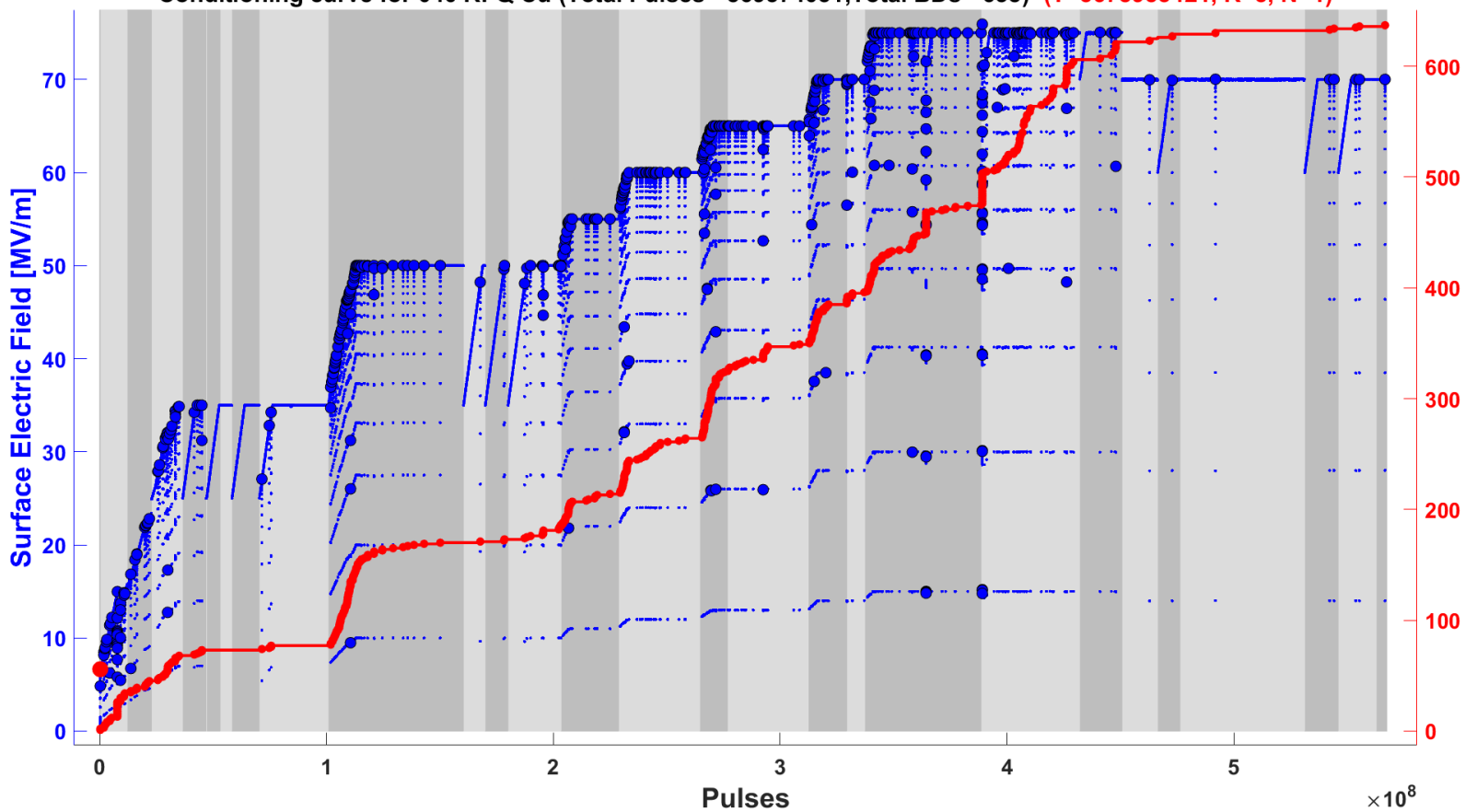


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Non-Irradiated Electrodes Conditioning

Conditioning curve for 040 RFQ Cu (Total Pulses - 569374031, Total BDs - 638) (T=3678953421, R=5, N=1)



Sample	Run	Settings
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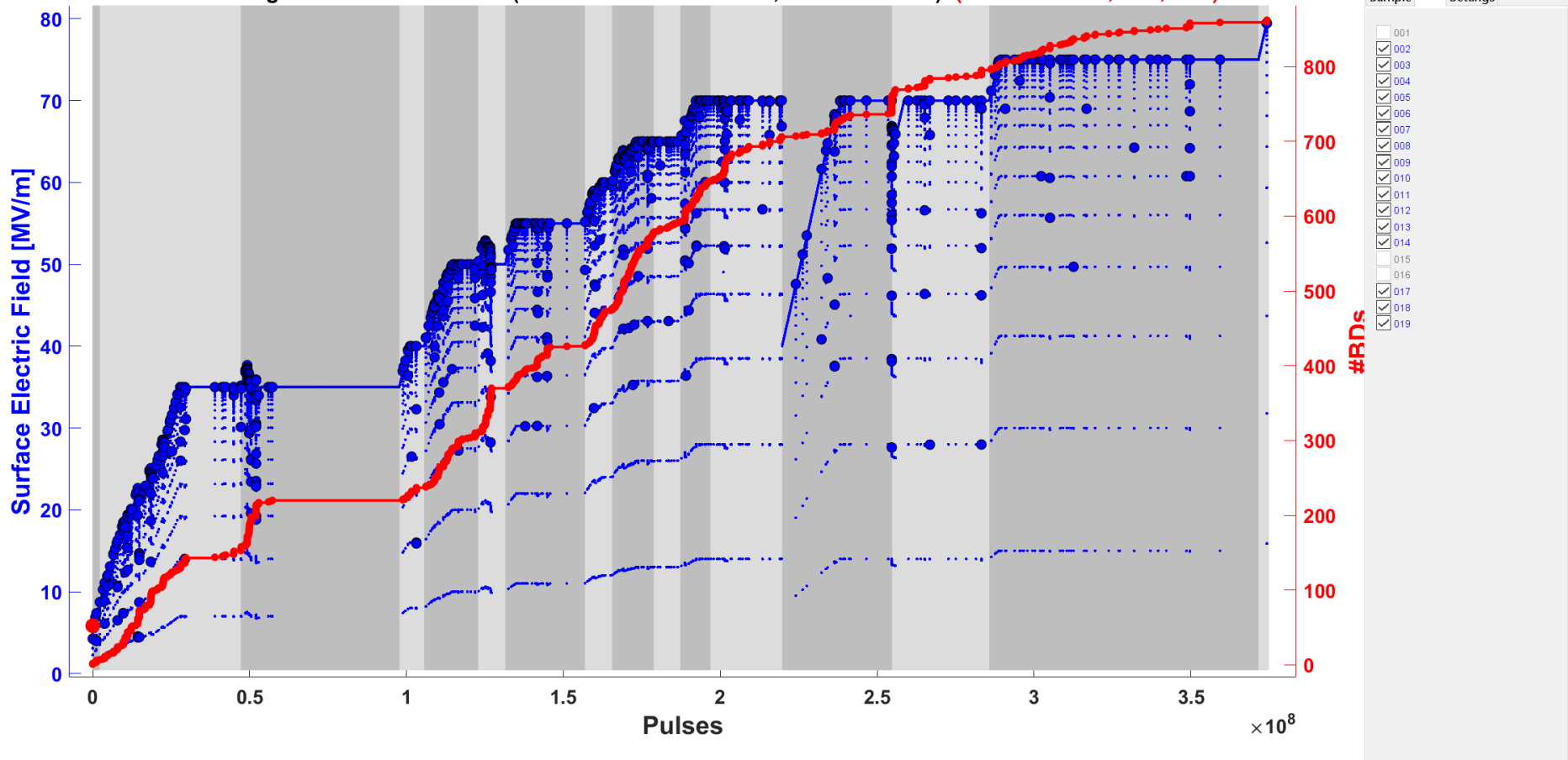
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Irradiated Electrode Conditioning

Conditioning curve for 042 RFQ Cu (Total Pulses - 376054778, Total BDs - 864) (T=3689668408, R=2, N=1)





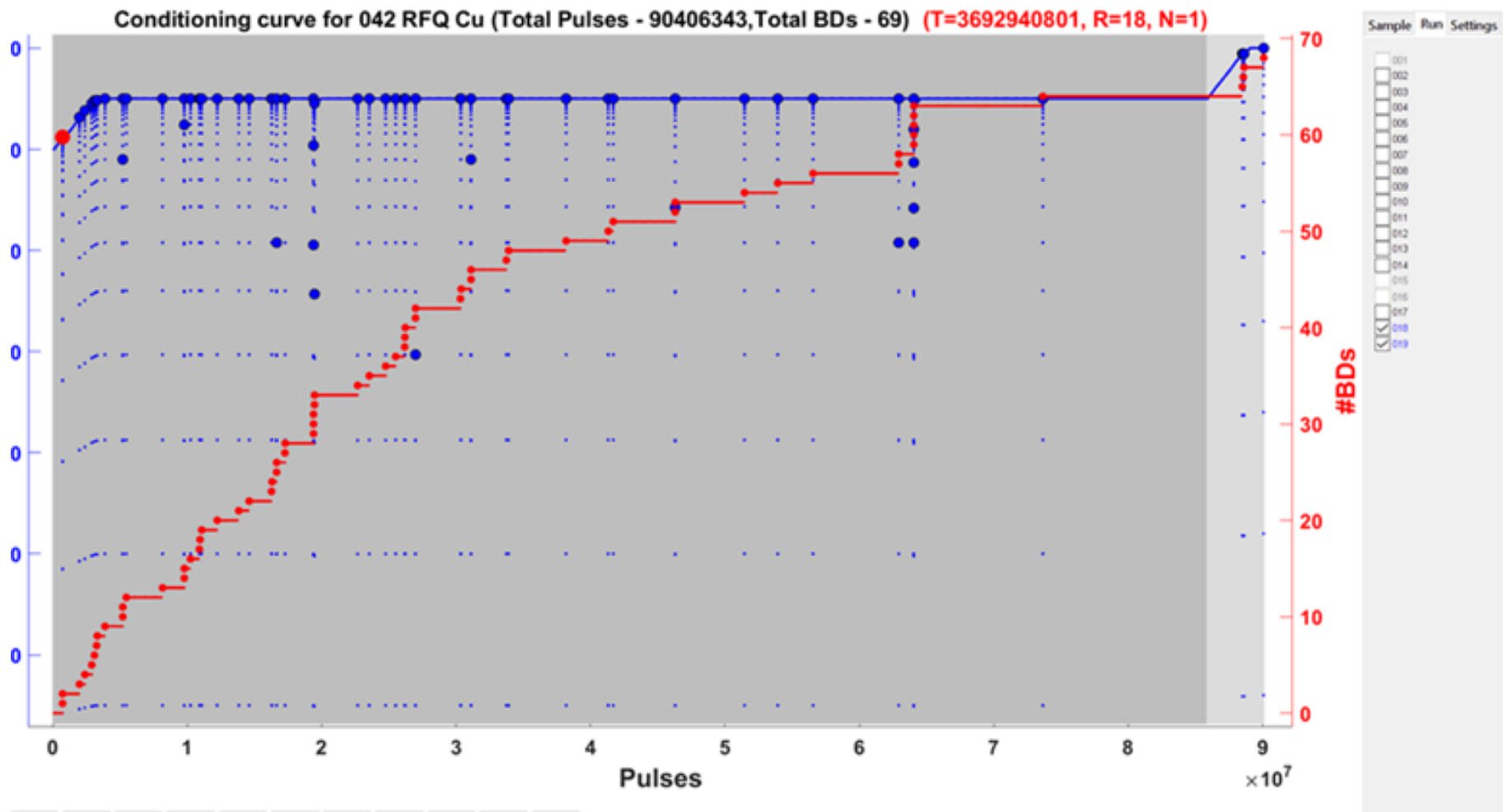
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Most Recent Runs – Irradiated Electrodes

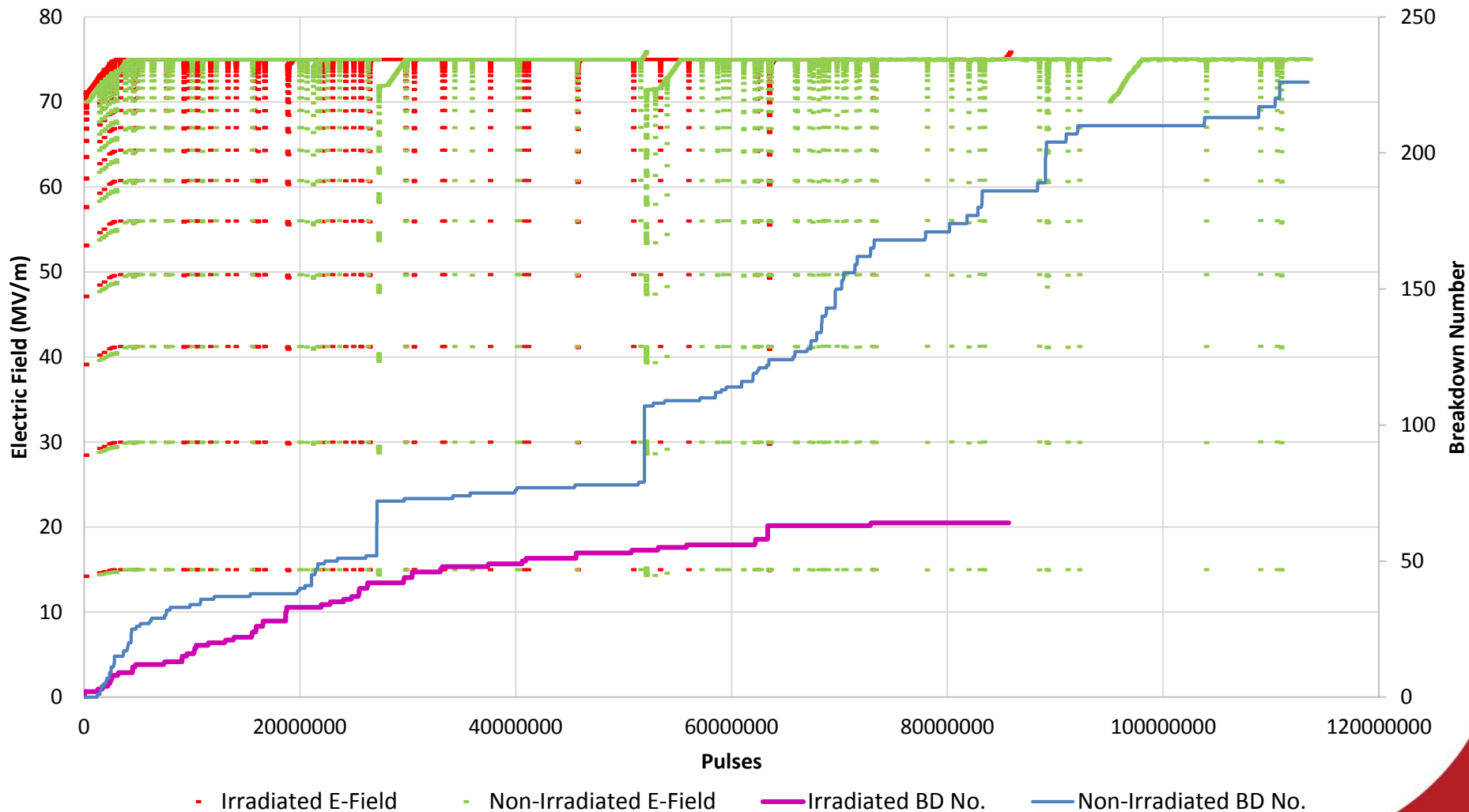




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Non-Irradiated and Irradiated Comparison of 75MV/m



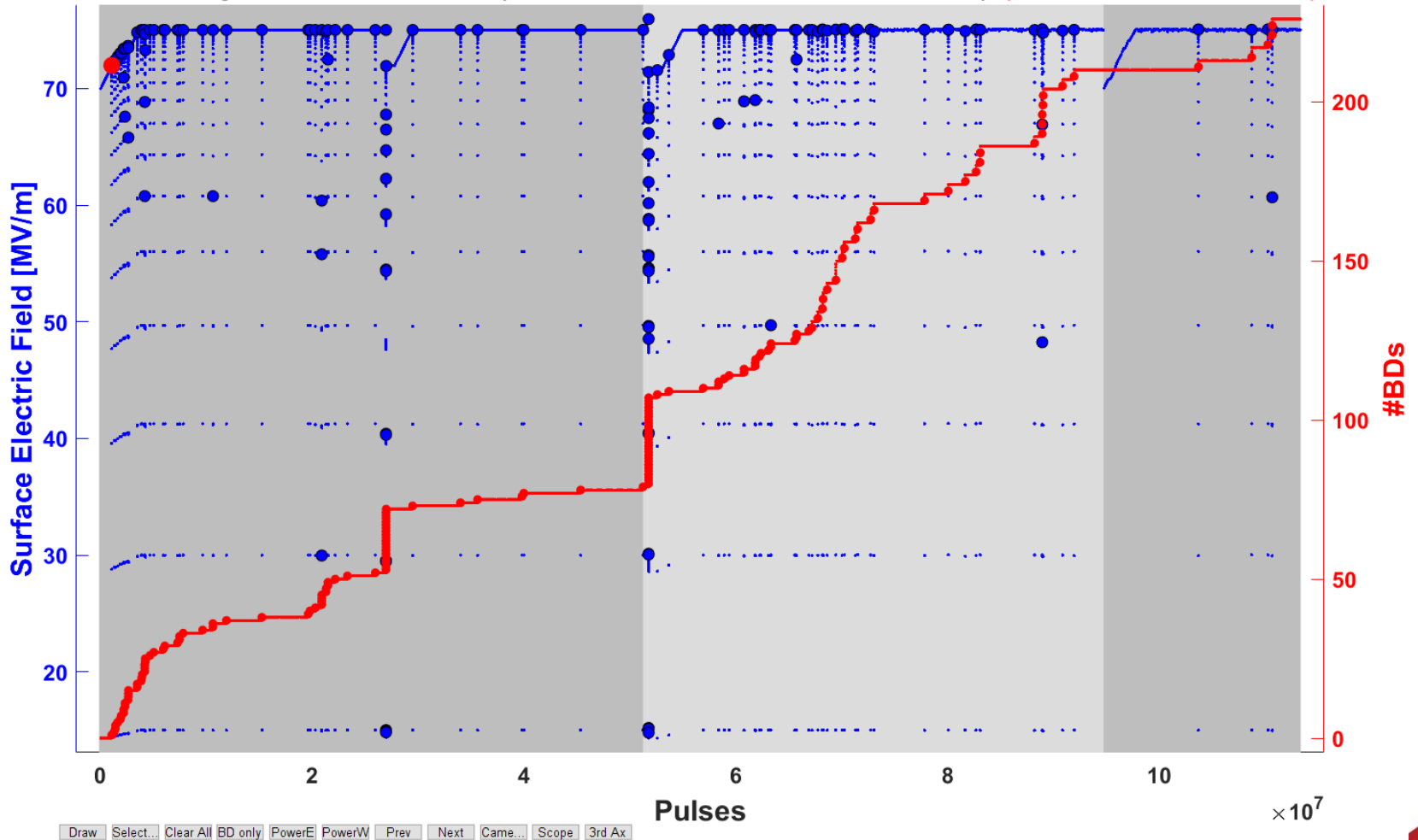


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Non-Irradiated 75MV/m

Conditioning curve for 040 RFQ Cu (Total Pulses - 113341859, Total BDs - 226) (T=3687510001, R=26, N=1)

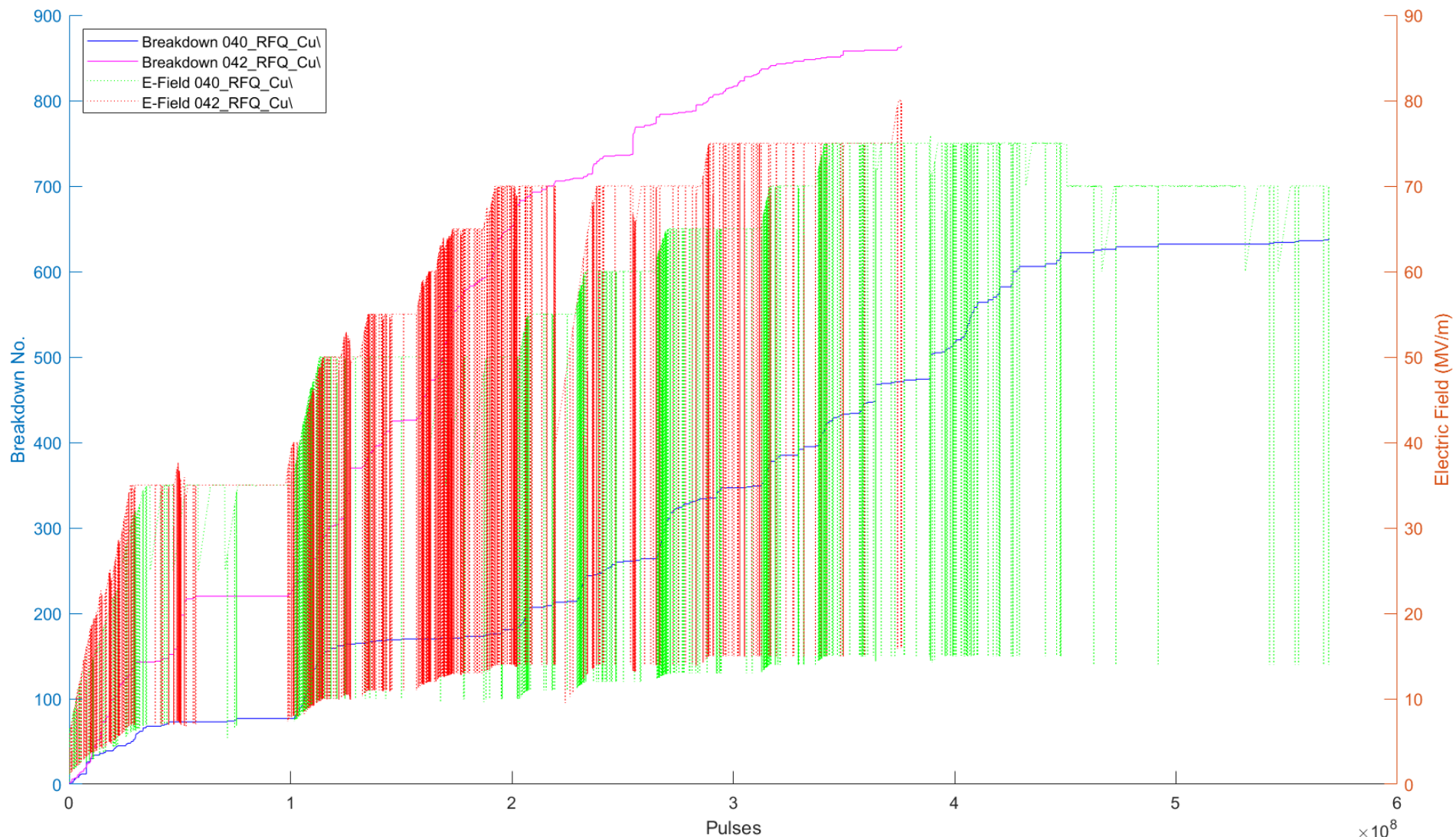




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Conditioning Comparison

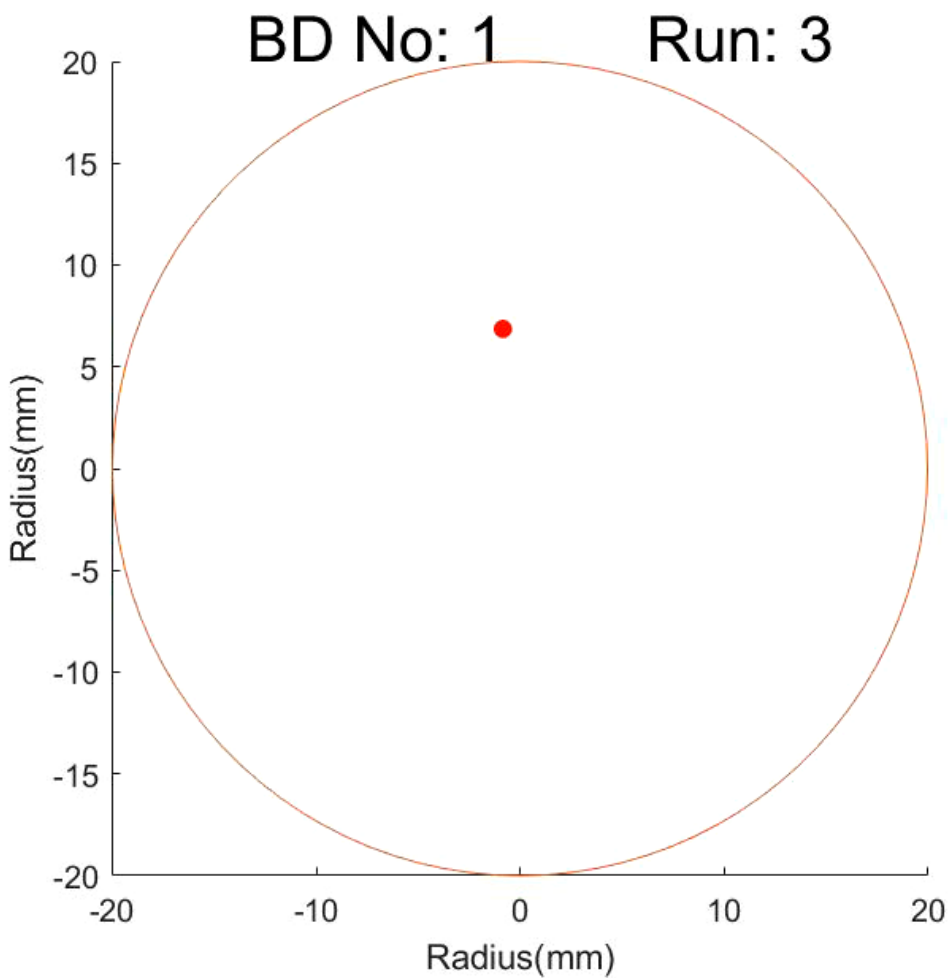




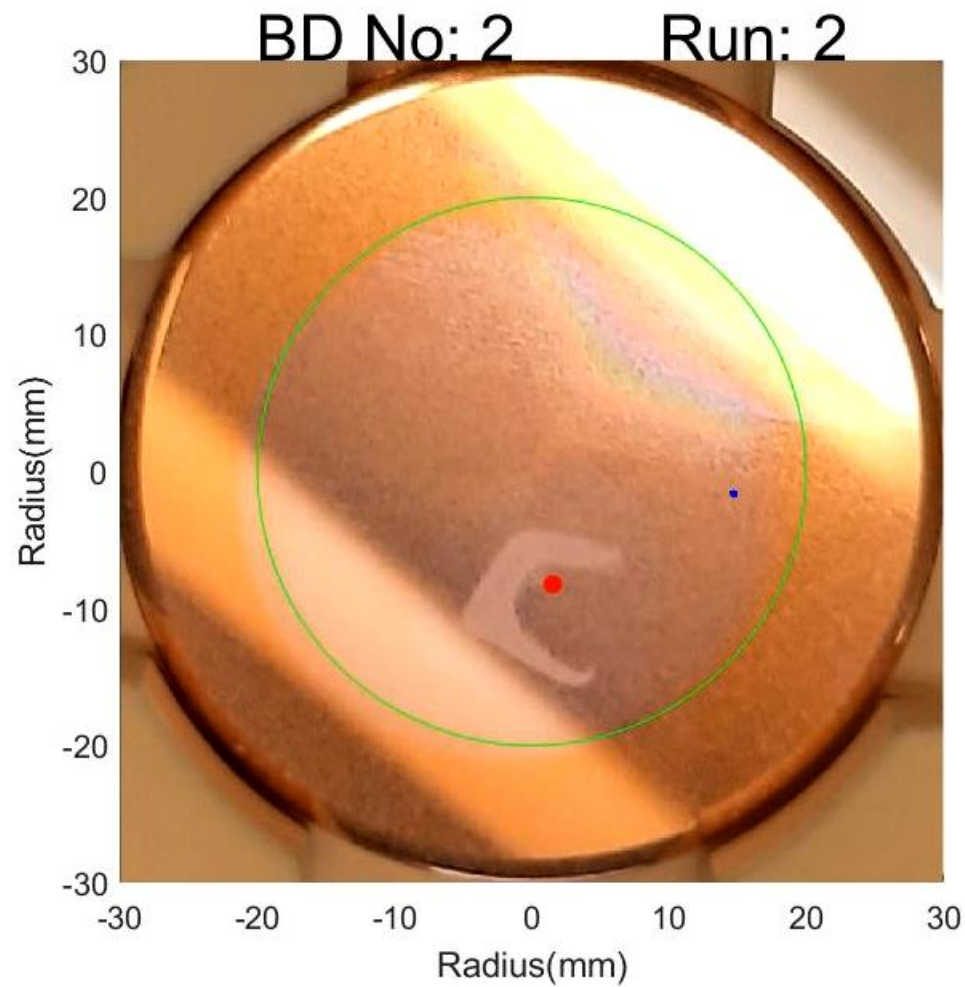
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Breakdown Locations



Non-Irradiated Electrodes (Cu_RFQ_040)



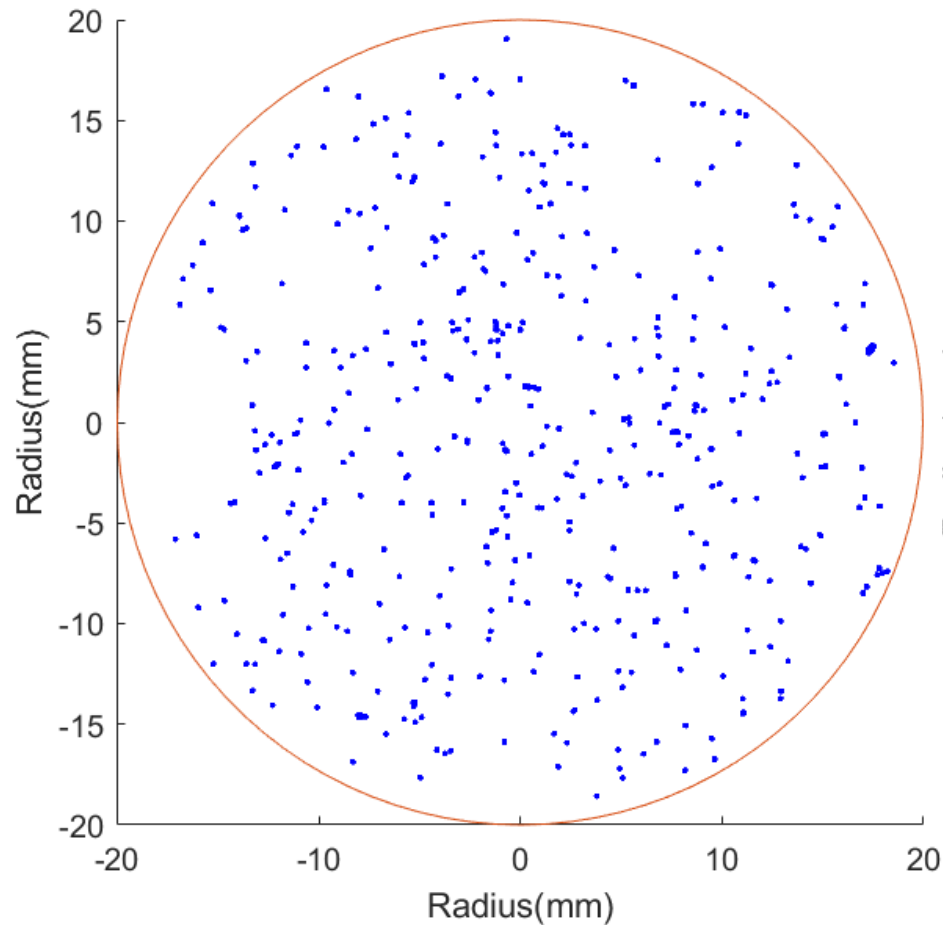
Irradiated Electrodes (Cu_RFQ_042)



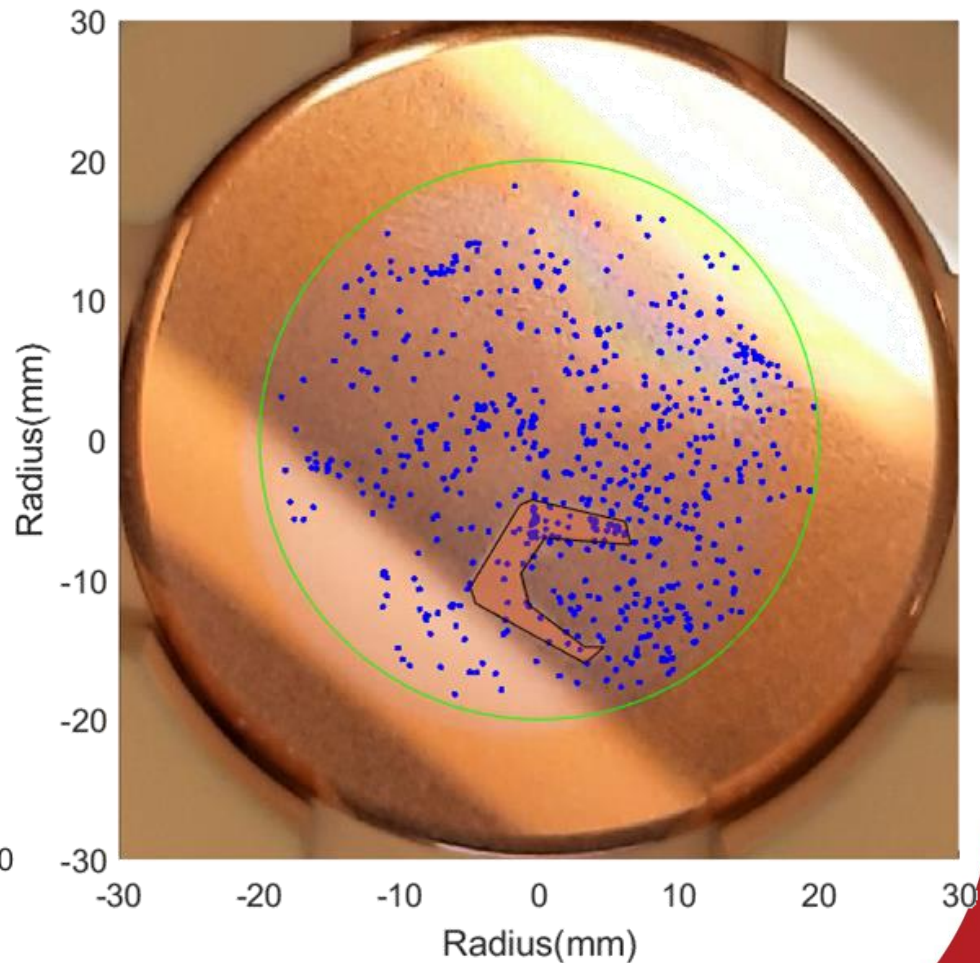
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Breakdown Locations



Non-Irradiated Electrodes (Cu_RFQ_040)



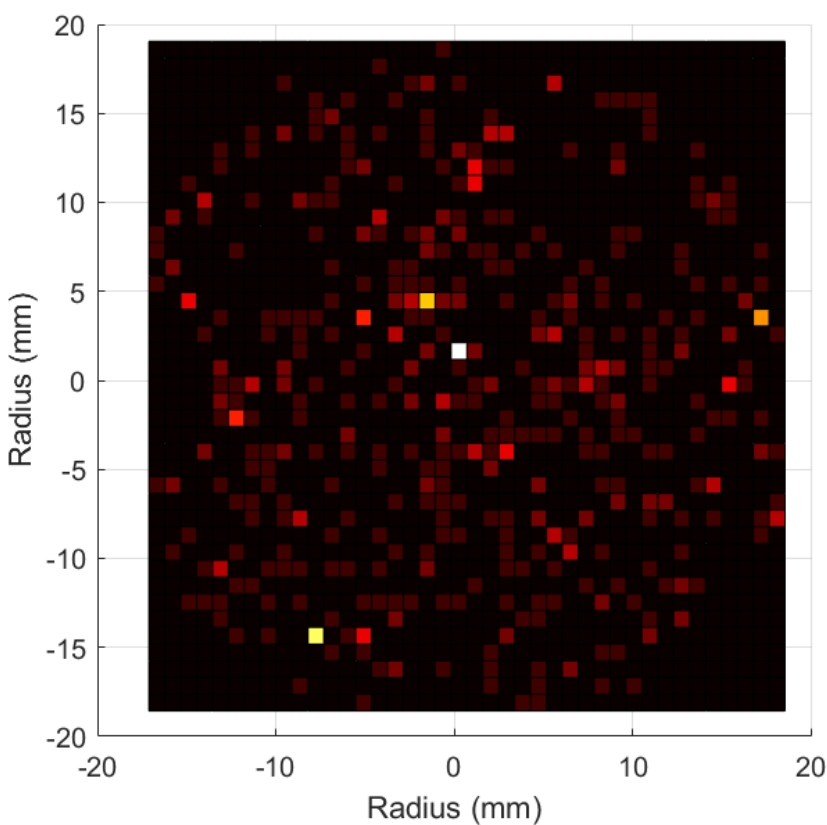
Irradiated Electrodes (Cu_RFQ_042)



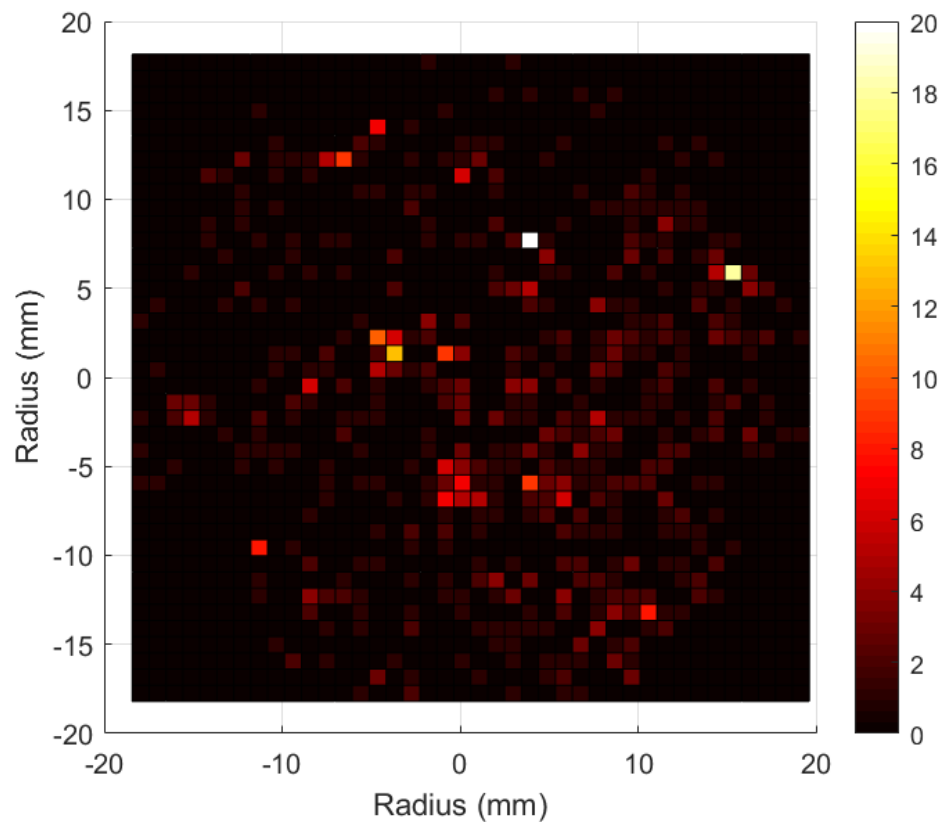
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Breakdown Locations 2D Histogram



Non-Irradiated Electrodes (Cu_RFQ_040)



Irradiated Electrodes (Cu_RFQ_042)