Breakdown Statistics for H60VG3(6C) at 65 MV/m

- 64 Trips / 66 Hrs
- 18 Trips / 62 Hrs
- 33 Trips / 70 Hrs

Gradient (MV/m)

Time with RF On (hr)

Missing Transmitted Energy (Threshold ~ 0.2)
Spitfest Statistics for H60VG3(6C) at 65 MV/m

400 ns

240 ns

400 ns - Regulated

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)
Breakdown Statistics for H60VG3(6C) at 400 ns
Spitfest Statistics for H60VG3(6C) at 400 ns

70 MV/m

75 MV/m

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)
Breakdown Statistics for H60VG3(6C) at 400 ns

Data Plot:
- Gradient (MV/m) vs. Time with RF On (hr)
- Missing Transmitted Energy (Threshold ~ 0.2) vs. Time with RF On (hr)

Key Observations:
- 11 Trips / 21 Hrs
- 1 Trip / 29 Hrs
- 10 Trips / 36 Hrs
Spitfest Statistics for H60VG3(6C) at 65 MV/m, 400 ns

First Set

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)

Second Set
Breakdown Statistics for H60VG3(6C)
at 65 MV/m, 400 ns Pulse Width
Leading Edge Timing

- Missing Energy vs. Breakdown Position (cell #)
- Missing Energy vs. Time of Breakdown (ns)
- Reflected Power vs. Reflected Phase (deg)
- Breakdown Position (cell #) vs. Time (hr)
Breakdown Statistics for H60VG3(6C) at 65MV/m, 400 ns Pulse Width
Leading Edge Timing (Green = After Pulse Timing)
Breakdown Statistics for H90VG3 at 65 MV/m

- Missing Transmitted Energy (Threshold ~ .05)
  - 154 Trips / 61 Hrs
  - 80 Trips / 89 Hrs
  - 68/26

- Time with RF On (hr)
  - 400 ns
  - 240 ns
  - 400 ns
Spitfest Statistics for H90VG3 at 65 MV/m

400 ns

240 ns

400 ns

Number of Trips

Time Between Trips (Minutes)

(Times > 30 Plotted at 30)
Breakdown Statistics for H90VG3 at 400 ns

Time with RF On (hr)

Gradient (MV/m)

Missing Transmitted Energy

(Threshold ~ .10)
Spitfest Statistics for H90VG3 at 400 ns

57 MV/m

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)

63 MV/m

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)
Breakdown Statistics for H90VG3 at 100 ns

Missing Transmitted Energy (Threshold ~ .10)

392 Trips / 32 Hrs  276 Trips / 32 Hrs  4 Trips / 23 Hrs

Time with RF On (hr)
Spitfest Statistics for H90VG3 at 100 ns

80 MV/m

85 MV/m

75 MV/m

Number of Trips

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)
Breakdown Statistics for H90VG3 at 240 ns

Gradient (MV/m) vs. Time with RF On (hr)

Missing Transmitted Energy (Threshold ~ 0.15) vs. Time with RF On (hr)

23 Trips / 40 Hrs
243 Trips / 50 Hrs
10 Trips / 24 Hrs
Spitfest Statistics for H90VG3 at 240 ns

Time Between Trips (Minutes)
(Times > 30 Plotted at 30)
Breakdown Statistics for H90VG3 at 66-78 MV/m, 240 ns Pulse Width After Pulse Timing
Breakdown Statistics for H90VG3
at 66-78 MV/m, 240 ns Pulse Width
Leading Edge Timing

![Breakdown Statistics Diagram]

Position of Breakdown (ns)

Phase of Reflected RF (degrees)

Cell Number (1-83)

Time with RF On (hr)