Figure4.zip

These are the raw time-domain traces for Device A, B and the ZnTe crystal used to calculate THz pulse energy (black) and efficiency (red) plots as a function of optical excitation energy for device shown in Figure 4 of the paper.

Figure5.zip

These are the raw time-domain traces for Device A and B to determine THz pulse energy and calculated optical-to-THz conversion efficiency as a function of bias field across the electrodes shown in Figure 5 of the paper.

Figure6.zip

These are the raw time-domain traces for Device B and ZnTe crystal as shown in Figure\_6 of the paper.

Figure7.zip

These are the raw time-domain traces for device B that demonstrate the shot-shot variability of the THz field in the linear and saturated regime shown in Figure 7 of the paper.

Spotsize\_measurement.zip

These are the raw time-domain traces for Device A, B and the ZnTe crystal as a knife edge is scanned across the beam. These were used to determine THz spot size measurements for all three devices.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

File listing for zip files

Size (bytes) Name

------------ ----

0 Figure 4/

0 Figure 4/Device A/

63047 Figure 4/Device A/DeviceA\_175V\_0.7-2.2mW(pump).dat

64199 Figure 4/Device A/DeviceA\_175V\_9-22mW(pump).dat

0 Figure 4/Device B/

51600 Figure 4/Device B/DeviceB\_350V\_109-317mW(pump)\_purged\_Med-High.dat

44250 Figure 4/Device B/DeviceB\_350V\_313-875mW(pump)\_purged\_High.dat

40903 Figure 4/Device B/DeviceB\_350V\_361-584mW(pump)\_purged\_VHigh.dat

50922 Figure 4/Device B/DeviceB\_350V\_38-111mW(pump)\_purged\_Med-Low\_retake.dat

50783 Figure 4/Device B/DeviceB\_350V\_6-17mW(pump)\_purged\_Low.dat

0 Figure 4/ZnTe/

19795 Figure 4/ZnTe/2mmZnTe\_110mW(probe).dat

19798 Figure 4/ZnTe/2mmZnTe\_150mW(probe).dat

19809 Figure 4/ZnTe/2mmZnTe\_178mW(probe)\_2.dat

19845 Figure 4/ZnTe/2mmZnTe\_218mW(probe).dat

19812 Figure 4/ZnTe/2mmZnTe\_291mW(probe).dat

19802 Figure 4/ZnTe/2mmZnTe\_333mW(probe).dat

19819 Figure 4/ZnTe/2mmZnTe\_426mW(probe).dat

19819 Figure 4/ZnTe/2mmZnTe\_448mW(probe).dat

19817 Figure 4/ZnTe/2mmZnTe\_520mW(probe).dat

19835 Figure 4/ZnTe/2mmZnTe\_530mW(probe).dat

19799 Figure 4/ZnTe/2mmZnTe\_58mW(probe).dat

19806 Figure 4/ZnTe/2mmZnTe\_692mW(probe).dat

19809 Figure 4/ZnTe/2mmZnTe\_72mW(probe).dat

19818 Figure 4/ZnTe/2mmZnTe\_778mW(probe).dat

19813 Figure 4/ZnTe/2mmZnTe\_96mW(probe).dat

0 Figure 5/

0 Figure 5/Device A/

24648 Figure 5/Device A/DeviceA\_100V\_17mW(pump).dat

24696 Figure 5/Device A/DeviceA\_120V\_17mW(pump).dat

24708 Figure 5/Device A/DeviceA\_140V\_17mW(pump).dat

24696 Figure 5/Device A/DeviceA\_160V\_17mW(pump).dat

24711 Figure 5/Device A/DeviceA\_180V\_17mW(pump).dat

24681 Figure 5/Device A/DeviceA\_200V\_17mW(pump).dat

24600 Figure 5/Device A/DeviceA\_20V\_17mW(pump).dat

24705 Figure 5/Device A/DeviceA\_220V\_17mW(pump)\_redo.dat

24735 Figure 5/Device A/DeviceA\_240V\_17mW(pump)\_redo.dat

24703 Figure 5/Device A/DeviceA\_260V\_17mW(pump)\_redo.dat

24630 Figure 5/Device A/DeviceA\_40V\_17mW(pump).dat

24643 Figure 5/Device A/DeviceA\_60V\_17mW(pump).dat

24638 Figure 5/Device A/DeviceA\_80V\_17mW(pump).dat

0 Figure 5/Device B/

76076 Figure 5/Device B/DeviceB\_50-400V\_615mW(pump)\_purged.dat

0 Figure\_6/

19812 Figure\_6/2mmZnTe\_291mW(probe).dat

40903 Figure\_6/DeviceB\_350V\_361-584mW(pump)\_purged\_VHigh.dat

0 Figure 7/

0 Figure 7/Inset/

51600 Figure 7/Inset/DeviceB\_350V\_109-317mW(pump)\_purged\_Med-High.dat

44250 Figure 7/Inset/DeviceB\_350V\_313-875mW(pump)\_purged\_High.dat

40903 Figure 7/Inset/DeviceB\_350V\_361-584mW(pump)\_purged\_VHigh.dat

50922 Figure 7/Inset/DeviceB\_350V\_38-111mW(pump)\_purged\_Med-Low\_retake.dat

50783 Figure 7/Inset/DeviceB\_350V\_6-17mW(pump)\_purged\_Low.dat

0 Figure 7/Main figure/

502306 Figure 7/Main figure/DeviceB\_100V\_533mW(pump)\_100repeats\_YchanVmon\_purged.dat

497873 Figure 7/Main figure/DeviceB\_100V\_90mW(pump)\_100repeats\_YchanVmon\_purged.dat

0 Spotsize measurement/

0 Spotsize measurement/Device A/

378883 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos11.14mm.dat

378829 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos13.14mm.dat

378609 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos15.14mm.dat

378490 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos17.14mm.dat

378684 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos19.14mm.dat

378726 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos8.23mm.dat

378706 Spotsize measurement/Device A/DeviceA\_100V\_17mW(pump)\_yPos9.14mm.dat

0 Spotsize measurement/Device B/

97520 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_repeat\_xPos=13.40.dat

97448 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=10.40.dat

95759 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=11.90.dat

97098 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=13.40.dat

95855 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=16.40.dat

97739 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=4.40.dat

97577 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=7.40.dat

95787 Spotsize measurement/Device B/DeviceB\_100V\_90mW(pump)\_upurged\_xPos=8.90.dat

530 Spotsize measurement/file\_format.txt

0 Spotsize measurement/ZnTe/

236022 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos10.42mm\_2.dat

236015 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos11.42mm\_2.dat

235651 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos12.42mm\_2.dat

235951 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos13.42mm\_2.dat

235932 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos15.42mm\_2.dat

235966 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos17.42mm\_2.dat

235961 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos19.42mm\_2.dat

236038 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos21.42mm\_2.dat

235589 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos23.42mm\_2.dat

235704 Spotsize measurement/ZnTe/2mmZnTe\_96mW(probe)\_yPos25.42mm\_2.dat