Lightning Protection



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Types of effects

1. Direct hit



3. Ground current effect





Receiver Antenna



Grounding Tx Antenna mast against direct hit





GPS Protection

RS-232 – to separate card RS-485 – directly to computer





GPS Protection





Typical Lightning Damages



Antenna Switch damage







Typical Lightning Damages (cont.)











SUMARY OF LIGHTNING PROTECTION





Single Point Chassis Ground



DPS Enclosure Rear Panel





SD=Surge-protection Device to suit line characteristics [Coax, AC Mains, Phone Line]



