

















UNIVERSITY OF CAMBRIDGE
Leakage Through Conduction
1. Equipment based
• fax
 Ethernet cables
• RS-232
2. Infrastructure based (Buildings)
1. Power cables
2. Telephone lines
3. Metallic piping



























































MBRID	GE Technical specifications
•	Two 100 MS/s 14-bit analog to digital converters
•	Two 400 MS/s 16-bit digital to analog converters
•	Digital downconverters with programmable decimation rates
•	Digital upconverters with programmable interpolation rates
•	Gigabit Ethernet Interface
•	2 Gbps high-speed serial interface for expansion
•	Capable of processing signals up to 100 MHz wide
•	Modular architecture supports a wide variety of RF daughterboards
•	Auxiliary analog and digital I/O support complex radio controls such as RSSI and AGC
•	Fully coherent multi-channel systems (MIMO capable) with up to 8 antennas
•	1 Megabyte of on-board high-speed SRAM





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Target laptop : Toshiba CDX 440 Display resolution: 800 x 600 Xt = 1056 and yt =628

Dynamic science receiver Center frequency = 350 MHz Bandwidth = 20MHz

SDR was set to capture the IF output signal at frequency of 30MHz with sampling rate of about 25Msamples/sec.





