

Exhibit B

Summary of Technical Characteristics of Emission-Related Elements For the WDS-9000CS Radar

Summary details of the operation of the radar are contained in exhibits C through G.

Transmitter Type

The radio frequency transmitting portion of the WDS-9000CS is a Traveling Wave Tube (TWT), driven by a coherent frequency synthesizer. Selection of the operating frequency is fixed, and is not alterable by operational personnel. The RF energy produced by the TWT is routed to an antenna through a RF circulator via wave guide.

Operating Frequency

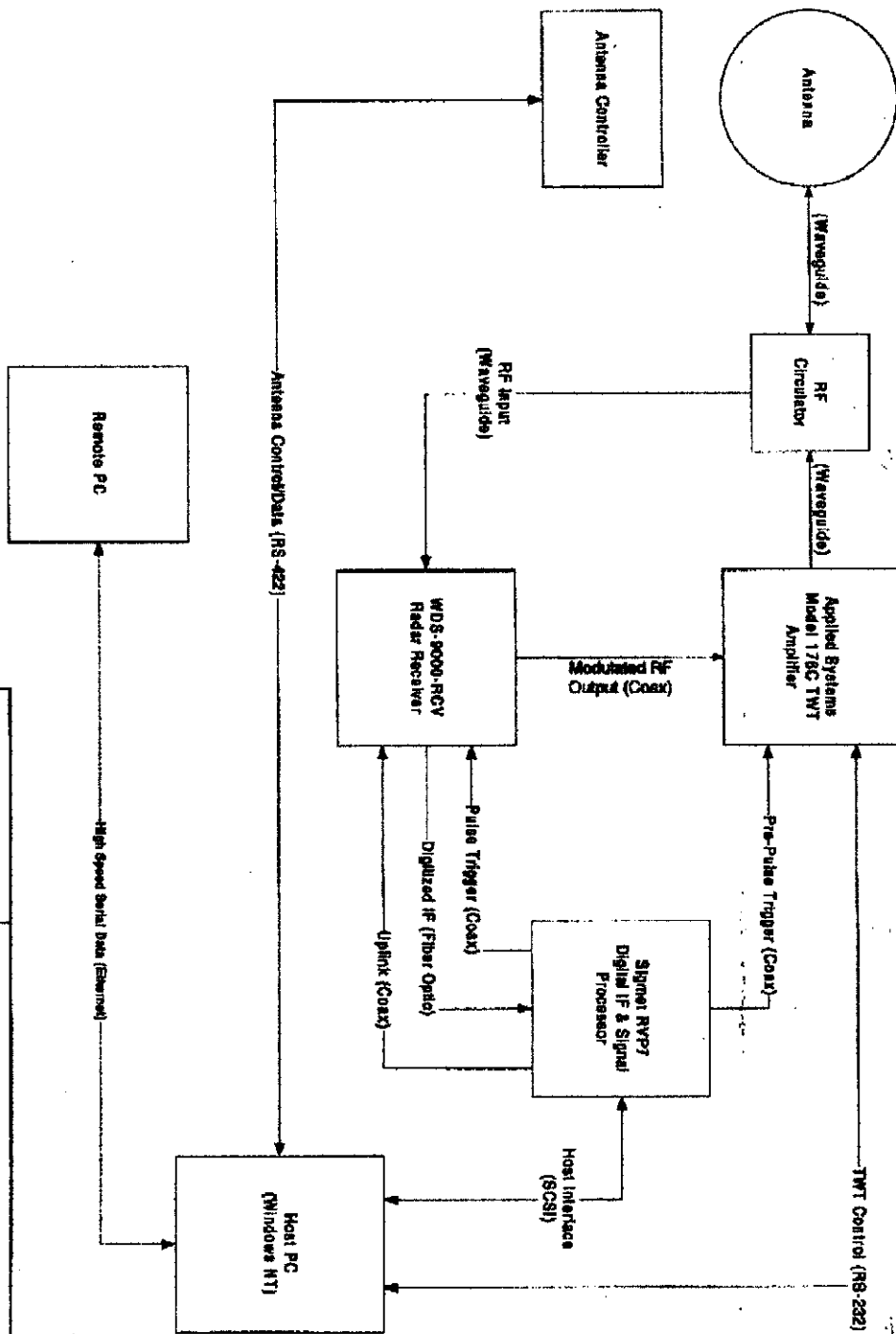
The radar operates at one frequency within the range of 5550 MHz to 5650 MHz.

Operating RF Power

The peak RF power of the TWT is nominally 2.24 kW, with an absolute maximum of 2.4kW, measured at the output wave-guide flange of the amplifier. Power level is determined by the TWT design.

Pulse Duration and Repetition Rate

The duration of the pulsed output of the RF transmitter is variable between 0.5 and 15 microseconds. The repetition rate is variable between 448 and 4666 pulses per second. These values are user controlled by via software control screens on a host computer running Windows NT.



Weather Detection Systems, Inc.

WDS-8000CS System Diagram

REV	DESCRIPTION	DATE	APPROVED
1	1	1	1

DATE: 1-1-1

WDS-8000-100

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