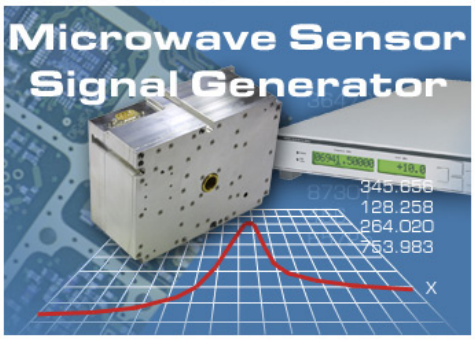
Wintron is specialized in developing and producing customized MIL Application - Radar Oscillators and Synthesizers products in cooperation with numerous Military American and European companies and organizations.

Our product range includes Fast Hopping Low Phase Noise Synthesizers, DDS Driven FM CW Radar, Fake Signal Insertion Radar, Multi Carrier Transponders etc.

Due to their military applications, most of our products only have to comply with the American and European export control regulations

Contents:



1.Satellite Converter

Satellite Redundancy Switch
Satellite Redundancy Controller

Satellite Redundancy Switch / Redundancy Controller 1 : 1

Satellite Redundancy Switch / Redundancy Controller N : 1

Satellite Redundancy Switch N : 1

SATCOM PRODUCTS

- Satellite Up- Converter / Down- Converter Indoor
  Single, Dual and Triple Band (S, C, X, Ku, K, Ka Band)
- DVB-S / DVB-S2 Modulator-Up- Converter Indoor
  C, X, Ku, K Band DVB-S / DVB-S2
- Dual Channel Shared Oscillator Down- Converter
  for Monopuls Tracking Receivers
- Inmarsat / Narrowband Down- Converter
  L-Band Inmarsat to 70/140 MHz
- Synthesized L-Band Block Up- and Down- Converter
  S, C, X, Ku, K-, Ka-Band
- Satellite Block Up- Converter (mini-buc®)
  Single, Dual, Tri Band Block Up- Converter L Band to C, X, Ku Band
- L-Band Block Converter
  L Band to C, X, Ku Band
- Satellite Converter Remote Control Unit
  Satellite Uplink Power Control Unit
- Satellite Converter Automatic Level Control (ALC)
  with Filter Amplifier

DVB-S2 Modulator, DVB-S2 Demodulator, DVB-S2 Modems

DVB-S2 Modulator
DVB-S2 Demodulator
DVB-S2 Modulator / Upconverter
DVB-S2 Modem available 1st/qt 2009

- Satellite Up- Converter / Down- Converter Indoor
  Single, Dual and Triple Band (S, C, X, Ku, K, Ka Band)
- Satellite Up- Converter / Down- Converter Outdoor
  Single, Dual and Triple Band (S, C, X, Ku, K, Ka Band)
- DVB-S / DVB-S2 Modulator-Up- Converter Indoor
  C, X, Ku, K Band DVB-S / DVB-S2
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  with Filter Amplifier

Satellite Navigation Simulator

Radar Synthesizers (1 - 24 GHz)

- Fast Hopping Synthesizers
- Very Low Phase Noise Synthesizers

Radar Front End (1.2 - 24 GHz)

- Analog Radar
- DDS Driven FM CW Radar

ECM Equipment (1 - 40 GHz)

- Fake Signal Insertion Radar
- Multi Carrier Transponders

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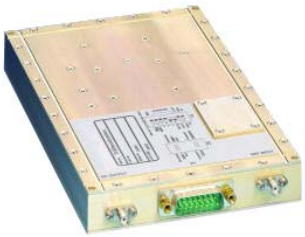
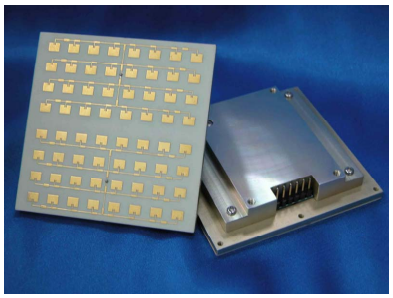



Microwave Sensor System

A microwave sensor system of the present invention to achieve the above object comprises a plurality of sensors each having a different phase that transmit microwaves toward a detection area and that receive microwaves reflected from the detection area; a determination unit that determines whether or not the microwaves have been received by the sensors; and a measurement unit that computes the respective phase differences of the microwaves received by the a plurality of sensors when the determination unit has verified reception of the microwaves and computes the distance from the sensors to a target serving as a detection target within the detection area. The measurement unit measures detection error on the basis of the computed phase difference, the computed distance and a preset frequency difference. The measurement by the measurement unit includes detection error resulting from the presence of moisture such as rainfall in the air between the sensors and the target, detection error that the system has, and detection error obtained by adding these detection errors together. The detection error resulting from moisture sharply increases as the preset frequency difference becomes larger and the detection error that the system has



Df_Microwave_Sensor_Module

Hb_Series_Microwave_Sensor_Module

Microwave_Sensor_Modulle

Lb_200_Microwave_Sensor_Module

RF Generators

Type	Frequency Range
SSG2 / SSG2M	0.01 - 1315 MHz
SSG3 / SSG3M	0.01 - 2630 MHz

Microwave Generators

Type	Frequency Range
SSG6	4.0 - 6.0 GHz
SSG7	5.0 - 7.0 GHz
SSG8	6.0 - 8.0 GHz
SSG10	8.0 - 10.0 GHz
SSG12	10.0 - 12.5 GHz
SSG14	12.0 - 14.5 GHz
SSG16	14.0 - 16.5 GHz
SSG18	16.0 - 18.5 GHz
SSG20	18.0 - 20.0 GHz
SSG22	20.0 - 22.0 GHz
SSG24	23.0 - 25.0 GHz

Multi Carrier Generators

Type	Frequency Range
MCG2	5 - 2630 MHz
MCG6	5 - 2630 MHz