



GRUPO DE RF

GRF-GES-00601-MM

MEMORANDO

Índice de Desarrollos del GRF

Resumen

Se presenta el resumen de los desarrollos realizados por el Grupo de Radiofrecuencia del IAR.

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Palabras Clave: *Organigrama, Desarrollos, Grupo de RF*

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Chapter 1

Function & Organization Chart

1.1 Function

The Radio Frequency Group function is to provide services including engineering design, development, evaluation, assembly and test, for the SAR, telemetry and radar industries.

1.2 Organization Chart

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Receiver systems, Low Noise Amplifiers (LNA).

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Transmitter systems, High Power Amplifiers (HPA), Transmitt-Receive Modules (TRM)

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High Power Amplifier stages, stock and components management.

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RF Metrology Leader.

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Passive RF, IF Gain stages, procurement.

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Passive RF, Power Distribution Units.

Chapter 2

Project & Developments

2.1 Projects

- L-Band Receiver
- L-Band Transmitter
- L-Band Transmitter-Receiver Module
- L-Band Digital Transceiver
- S-Band Telemetry Transmitter
- GPS Repeater

2.2 Developments

- Low Noise Amplifier (LNAs)
 - L-Band Low Noise Amplifier (BJT)
 - L-Band Low Noise Amplifier (FET)
 - UHF L-Band Low Noise Amplifier
- High Power Amplifiers (HPA)
 - 10 W L-Band HPA
 - 20 W L-Band HPA
 - 10 W UHF HPA
- Power Combiners
- Microstrip and discrete Filters
 - L-Band Hairpin Microstrip Filter
 - L-Band Hairpin Stripline Filter
 - S-Band Filter
- Duplexers
- RF Detector

2.3 Current Developments & Projects

2.3.1 Current Projects

- L-Band SAR Transceiver
- UHF Receiver
- UHF Transmitter
- S-Band Telemetry Transmitter

2.3.2 Current Developments

- Balanced Low Noise Amplifier
- Balanced S-Band 20W HPA
- TRL NA Calibration Kit
- USB RF Detector

Chapter 3

IAR – GRF Facilities

- Network Analyzer **Agilent E8362B**
- RF Synthetizer **Agilent E8257D**
- RF Synthetizer **HP 8664A**
- Power Meter **HP 438A**
- Spectrum Analyzer **HP 8596E**

Control de Cambios

REGISTRO DE CONTROL DE CAMBIOS			
1	20100316	GG	Versión inicial del documento.
2	20100322	GG	Se agregan mails en seccion Organization Chart

REGISTRO DE TO BE ADDS			
1			

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