

VHF AND UHF REPEATERS

IC-FR5100 (25W VHF REPEATER)

IC-FR5100H (50W VHF REPEATER)

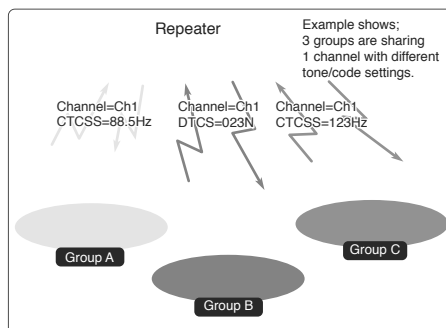
IC-FR6100 (25W UHF REPEATER)

IC-FR6100H (50W UHF REPEATER)



Dual mode

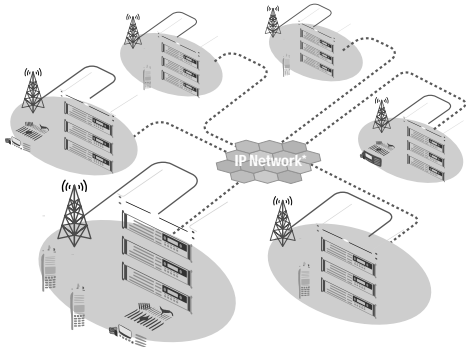
Double
Channels





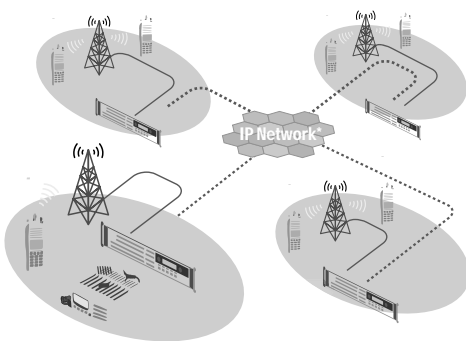
The IC-FR5100/H series is ready for dPMR™ Mode 3 digital trunking and Mode 2 conventional mode.

dPMR™ Mode 3 Digital Trunking



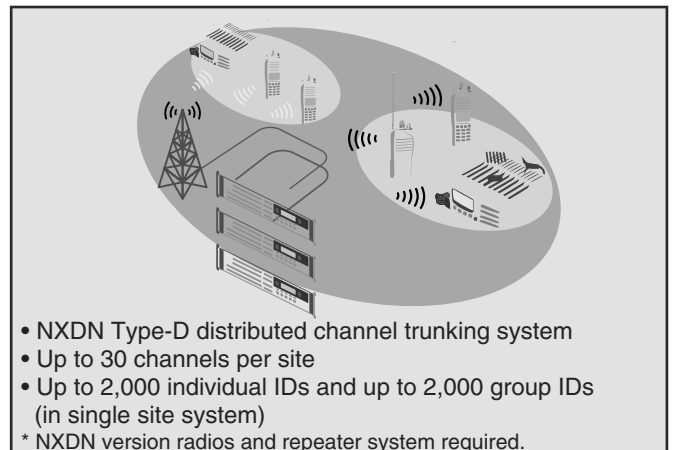
- Unique migration solution from MPT to dPMR
 - Up to 1,024 sites and 500,000 subscribers
 - Web based system administration
 - Scalability to nationwide networks*
 - Web based AVL and Dispatcher*
 - POTS / SIP phone connectivity*
- * These services will be released throughout 2012.

dPMR™ Mode 2 Conventional Repeater Mode



- Up to 16 IDAS repeater sites connection over an IP network.

NXDN™ Simple Trunking



- NXDN Type-D distributed channel trunking system
 - Up to 30 channels per site
 - Up to 2,000 individual IDs and up to 2,000 group IDs (in single site system)
- * NXDN version radios and repeater system required.

*1 Note: Private IP Network or VPN Tunnels through the Internet with Static endpoints. Please see the IDAS brochure for details.

IC-FR5100/H • IC-FR6100/H

GENERAL

Frequency coverage
Number of channels
Type of emission
Channel spacing
PLL channel step
Power supply requirement
Current drain (approx.)
Tx IC-FR5100/FR6100
IC-FR5100H/FR6100H
Rx Max. audio
Standby
Antenna impedance
Operating temperature range
Dimensions (W×H×D)
(Projections not included)
Weight (approx.)
IC-FR5100/FR6100
IC-FR5100H/FR6100H

TRANSMITTER

Output power (at 13.2V DC)
IC-FR5100/FR6100
IC-FR5100H/FR6100H
Max. frequency deviation
Frequency stability
Spurious emissions
Audio harmonic distortion
Intermodulation attenuation
FSK error
Ext. microphone impedance

RECEIVER

Sensitivity (at 20dB SINAD)
(at 5% BER)
Adjacent channel selectivity
Spurious response rejection
Intermodulation
Audio output power
Ext. speaker connector

	Method	Procedure
High Temperature		
Low Temperature		
Dust Blowing		
Vibration		
Shock		

