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DMR 4700 Desktop Radio

Digital Mode Specifications

- Individual Call
- Group Call
- Emergency Call
- SMS
- Integrated Voice and Data Services
- Index

General Specifications

- Analog and Digital Mode Options
- 3-level RF Power Options
- Informative Directives and Alerts
- Transmission Time Limit
- PC Supported Repair
- Graphical User Interface
- LCD Screen, Alphanumeric Keypad
- Convenient to ETSI 300-086 (Analog), ETSI 300-113 (Digital:DMR) Standards
- Convenient to MIL STD 810 E,F Standards
- Menu Authorization
- List of Missed Calls, Received Calls and Dialed Numbers
- Calling ID

General Technical Specifications

Modulation	Analog FM, 4FSK (DMR)
Bandwidth	25 kHz (Analog) 12.5 kHz (DMR)
Data Rate (Digital)	1.8 kb/s
Voice Encoding (Digital)	AMBE++
Number of Channels	256
Operating Voltage	13.6 Vdc \pm 20%
Power Supply Input Voltage	220 VAC \pm 20%
Screen	64x128 LCD
Keypad	20 keys with backlight
Operating Temperature	-30°C / +60°C

Receiver Technical Specifications (According to ETSI Standards)

	VHF	UHF
Frequency Band	136-174 MHz	403-470 MHz
Audio Output Power	3 W / 8 Ω	3 W / 8 Ω
Analog Sensitivity	$\leq 0.4 \mu\text{V}$ @ 20 dB SINAD	$\leq 0.4 \mu\text{V}$ @ 20 dB SINAD
Digital Sensitivity	$\leq 0.3 \mu\text{V}$ @ 5% BER	$\leq 0.3 \mu\text{V}$ @ 5% BER
Intermodulation Rejection	≥ 70 dB	≥ 70 dB
Spurious Response Rejection	≥ 70 dB	≥ 70 dB
Spurious Emission	≤ -57 dBm	≤ -57 dBm
Yan Kanal Seçiciliği 12.5 kHz bandwidth	≥ 60 dB	≥ 60 dB
Audio Distortion	≤ 5 %	≤ 5 %

Transmitter Technical Specifications (According to ETSI Standards)

RF Output Power	5-25 W	5-25 W
Frequency Stability	± 2 ppm	± 2 ppm
Modulation Limiting 12.5 kHz bandwidth	± 2.5 kHz	± 2.5 kHz
Adjacent Channel Power Ratio 12.5 kHz bandwidth	≥ 60 dB	≥ 60 dB
FM Noise Ratio 12.5 kHz bandwidth	≥ 40 dBm	≥ 35 dBm
Spurious Emission	-36 dBm @ < 1 GHz	-36 dBm @ < 1 GHz

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P.O. Box: 101, Yenimahalle 06172-Ankara TURKEY • Phone: 90 (312) 592 10 00 • Fax: 90 (312) 354 13 02
Internet: <http://www.aselsan.com.tr>

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