KENWOOD

TK-690H/790(H)/890(H)



When the mission is critical, your communications equipment has to be always at the ready, 110% reliable, but not demanding your attention. And operation has to be second nature. Emergency services in particular demand the best in two-way radio communications — best in terms of performance, operating ease, and durability. There's absolutely no room for compromise. That's why the choice has to be Kenwood's TK-690H/790(H)/890(H), FM mobile radios that are designed and built for the uncompromising.

Versatility:

Single/Dual-head Remote Control

With the optional KRK-5 kit, you can put the radio unit in the trunk and the control head up front. This means the radio takes up less space in the cab, and the controls can be mounted in the most convenient location. Alternatively, the optional KRK-6DH kit provides two complete radio control points — ideal for public safety applications: fire trucks, EMS units, sport utility command posts, disaster/ emergency response units, and SWAT vans. Each control head features intercom, public address, transmit, monitor, and independent volume control capabilities.



Choose from Four Configurations

Dual-band Remote & Dual-band/Dual-head Remote

If you need to operate both VHF and UHF bands from a single control panel, choose Kenwood's optional KRK-7DB kit. With this, you can scan selected channels on both bands automatically, and program channels on either band in any order. It's so simple — because you're basically controlling two radios as if they were one. And now you can combine

this dual-band capability with the convenience of a dual control head: the optional KRK-8DBH kit lets two operators control the same two radios, monitor each other's transmissions, and communicate via intercom. It can make all the difference for fire, emergency response, EMS, search & rescue, and other mission-critical agencies.



Leading Edge: A Wealth of Advanced

INTUITIVE USER INTERFACE

Depending on your needs, you can order TK-690H/790(H)/890(H) land mobile radios with one of two control panels: Basic or Full-featured.

BASIC CONTROL PANEL

Alphanumeric LCD

The basic control panel can be fitted to any model. It has an 8-digit, 13-segment alphanumeric readout for group/channel number & name and operational status; 3-digit, 7-segment numerics for group/ channel number; and icons for operational and status indications. For nighttime operation, the display is backlit.

High-quality Audio Output

The basic control panel delivers clear audio quality via a frontmounted speaker as well as 13W via the external speaker terminal for extra clarity in noisy vehicles and situations.

Transmit & Busy LED Indicators

The green and red LEDs clearly distinguish between transmit and receive.

7 Programmable Function (PF) keys

GRP UP, GRP DOWN, and PF 1~5 are programmable.

FULL-FEATURED CONTROL PANEL Dot Matrix LCD

The panel has a large, easy-to-read dot matrix LCD with 14-digit alphanumeric display for group/channel number & name and operational status, 3-digit alphanumerics for group/channel number, and icons for operational and status indications. It's also backlit for nighttime operation.

13 Programmable Function (PF) keys

GRP UP, GRP DOWN, MON, SCN, and PF 1~9 are programmable for virtually any mobile radio feature. This allows each unit to be customized to fit the user's needs.



Full-featured Control Panel

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Basic Control Panel

Features

VERSATILITY

Large 160-channel Capacity & Dynamic Grouping

The 160-channel capacity combined with "dynamic" channel grouping means that groups can be as small as one channel or as large as 160 channels. This provides versatile channel organization suited for any company-wide, departmental or divisional requirements plus room for auxiliary or special-use groups.

Wide-band Coverage

The TK-690H/790(H)/890(H) radios utilize advanced power modules capable of wide coverage for local, regional and state-wide frequency needs.

Channel Scan Features & Dual Priority

These radios can accommodate virtually any channel scanning need. Multiple or single group scanning, channel & group add/delete, revert channel, and two priority channels are just some of the parameters that can be selected. Talk-back scan allows users to respond immediately to calls regardless of the pre-programmed or selected scan revert channel. Also, undesired channels can be deleted temporarily with the nuisance delete feature.

Flash Memory

Main and reserve Flash memory caches allow for future updates.

DTMF Signaling & Dialing Features

DTMF PTT ID provides a built-in ANI for business and industrial applications. With the optional KMC-28 keypad mic, manual DTMF is available for system access, remote control and selective calling. Also included are memory auto-dial features for telephone interconnect.

Operator Selectable Tone/Code (OST)

Designed specifically for forestry, cooperative fire and wildlife management departments, the OST feature provides a programmable bank of 16 user-selectable tones (QT & DQT) for accessing different repeaters. Each tone can have an assigned alpha-tag and be directly recalled by the KMC-28 DTMF keypad mic or other radio controls.

Built-in Selective Calling (Two-tone & DTMF)

Two-tone decode allows for three code pairs, each with individual and group paging settings. The DTMF selective calling provides individual call, group call, and over-the-air disable/enable. Both signaling types are assignable on a per-channel basis and have audible and visual call alerting.

SECURITY

Encryption Control

Secure voice capabilities are available for law enforcement with optional scrambler modules. An internal port permits the addition of these modules to provide voice scrambling from low-level inversion to high-level encryption.

Digital ANI and Emergency Control

Unit ID and emergency ANI for computer-aided dispatch operations can also be added with optional modules.

GROUND

Emergency Key & Call

The orange emergency key — recessed to avoid unintentional activation — can be programmed to trigger an ANI option device. The emergency call feature switches the radio automatically to a pre-programmed channel for dispatcher alert.

Embedded Message

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Stored inside the Flash memory of the radio, an electronic message (max. 64 alphanumeric characters) can hold owner identification, property ID numbers, user and department names, service records, etc. A radio can thus be electronically identified even if external labels, markings or factory serial numbers have been removed.

STRENGTH & DURABILITY

MIL-810 C/D/E

The TK-690H/790(H)/890(H) radios meet or exceed stringent U.S. Department of Defense environmental standards in addition to Kenwood's own technical and industrial standards. The KCH-10 Basic Remote Control Head and KCH-11 Full-featured Remote Control Head



satisfy the demanding *driven rain* standard, which means that you can count on these water-resistant radios to keep on performing even if your motorcycle fleet is caught in the rain or takes a charge from a line.





Weather-sealed Universal Connector

The universal accessory connector featured on both basic and full-

featured control heads uses spring-action goldalloy elements for excellent contact, conductivity and anti-corrosive properties, making them resistant to water, dust, and other MIL-STD 810 C/D/E conditions. The universal connector is designed to mate with Kenwood audio accessories such as the KMC-27 and KMC-28 microphones.



Die-cast Chassis

The aluminum die-cast chassis heat-sink is lightweight yet provides exceptional strength and heat dissipation.

Performance

Medium and High Power Models

Both medium and high power versions of the TK-690H/790(H)/ 890(H) radios are available for up to 110W of RF output.

Other Convenient Features

- Time-out Timer (TOT)
- Busy Channel Lockout
- Operator Selectable Priority Channel
- Multiple Bandwidth Mode
- DTMF Decode
- Dead Beat Disable (DBD) & Reset

APPLICABLE MIL-STD

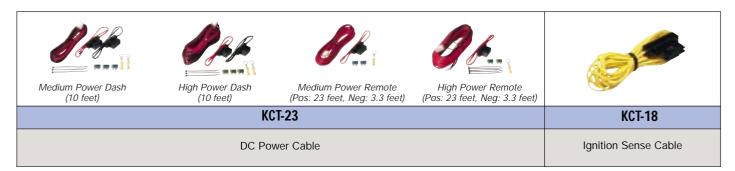
Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II Cat. A1	501.3/Procedure I, II Cat. A1	
Low Temperature	502.1/Procedure I	502.2/Procedure I, II Cat. C1	502.3/Procedure I, II Cat. C1	
Temperature Shock	503.1/Procedure I	503.2/Procedure I Cat. A1, C1	503.3/Procedure I Cat. A1, C1	
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	
Rain	506.1/Procedure I*, II	506.2/Procedure I*, II	506.3/Procedure I*, II	
	(*Control head only)	(* Control head only)	(* Control head only)	
Humidity	507.1/Procedure II	507.2/Procedure II	507.3/Procedure II	
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	
Vibration	514.2/Procedure VIII, X	514.3/Procedure I Cat. 8	514.4/Procedure I Cat. 8	
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	

Wide Selection of Options

TK-690H/790(H)/890(H) OPTIONAL ACCESSORIES

and and a state of the state of			
KCH-10	KCH-11	KRK-5	KRK-6DH
	Full-featured	Single Control Head Remote Kit	Dual Control Head Remote Kit

		8 feet	17 feet	25 feet
KRK-7DB*	KRK-8DBH*	КСТ-22		
Dual Band Remote Kit	Dual Band & Dual Control Head Remote Kit		Remote Control Cable	



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KMB-5	KMB-9	KMB-10	KES-4	KMC-27
Mounting Bracket (Medium)	Mounting Bracket (High)	Key Lock Adapter (Medium Dash Mount)	External Speaker (20W)	Microphone (MIL-SPEC, Noise Canceling)

		0	
KMC-28	KMC-9B	KLF-2	KPS-10A
Keypad Microphone (MIL-SPEC, Noise Canceling)	Desktop Microphone	Line Filter (except TK-890H)	DC Power Supply (Medium Power Model)

*KRK-7DB and KRK-8DBH will be available soon.

Not all accessories may be available. Please contact your dealer for details.

	ТК-690Н	TK-790(H)	TK-790	TK-890(H)	TK-890
GENERAL			L	I	
Frequency range					
Type 1	29.7 ~ 37.0 MHz	148 ~ 174 MHz	148 ~ 174 MHz	450 ~ 480 MHz	450 ~ 490 MHz
Type 2	35.0 ~ 43.0 MHz		136 ~ 156 MHz		480 ~ 512 MHz
Туре 3	40.0 ~ 50.0 MHz				403 ~ 430 MHz
Number of channels	160	160	160	160	160
Channel spacing					
Wide Narrow	20 kHz (PLL step: 5kHz)	25 kHz, 30 kHz 12.5 kHz, 15 kHz	25 kHz, 30 kHz 12.5 kHz, 15 kHz	25 kHz 12.5 kHz	25 kHz 12.5 kHz
Nanow		(PLL step: 5 kHz/6.25kHz/	(PLL step: 5 kHz/6.25 kHz/	(PLL step: 5 kHz/6.25 kHz)	(PLL step: 5 kHz/6.25 kHz)
		7.5kHz)	7.5 kHz)	(*	(· ····
Operating voltage	13.4 V DC ± 15 %	13.4 V DC ± 15 %	13.6 V DC ± 15 %	13.4 V DC ± 15 %	13.6 V DC ± 15 %
Current drain					
Standby	Less than 0.6 A	Less than 0.6 A	Less than 0.6 A	Less than 0.6 A	Less than 0.6 A
Receive	Less than 2.2 A	Less than 2.2 A	Less than 2.2 A	Less than 2.2 A	Less than 2.2 A
Transmit	Less than 25 A	Less than 25 A	Less than 12 A	Less than 28 A	Less than 12 A
Duty Cycle	Transmit: 20 %	Transmit: 20 %	Transmit: 20 %	Transmit: 20 %	Transmit: 20 %
Operating temperature	-22° F ~ +140° F	-22° F ~ +140° F	-22° F ~ +140° F	-22° F ~ +140° F	-22° F ~ +140 ° F
range	(-30 ° C ~ +60° C)	(-30 ° C ~ +60° C)	(-30 ° C ~ +60° C)	(-30 ° C ~ +60° C)	(-30 ° C ~ +60° C)
Frequency stability (-22°F ~ +140°F)	±0.0005 %	±0.0002 %	±0.0002 %	±0.0002 %	±0.0002 %
Antenna impedance	±0.0003 % 50 Ω	±0.0002 %	±0.0002 % 50 Ω	±0.0002 % 50 Ω	±0.0002 %
Dimensions (W x H x D)	7 x 2-1/4 x 12-3/4 in. (178 x 60 x 327 mm)	7 x 2-1/4 x 12-3/4 in. (178 x 60 x 327 mm)	7 x 2-1/4 x 7-3/4 in. (178 x 60 x 195 mm).	7 x 2-1/4 x 12-3/4 in. (178 x 60 x 327 mm)	7 x 2-1/4 x 7-3/4 in. (178 x 60 x 195 mm),
	(170 x 00 x 327 mm)	(170 x 00 x 327 mm)	7 x 2-1/4 x 9 in.	(170 x 00 x 327 mm)	7 x 2-1/4 x 9 in.
			(178 x 60 x 228 mm) with		(178 x 60 x 228 mm) with
			KCH-10		KCH-10
Weight (net)	7.9 lbs. (3.6 kg)	7.9 lbs. (3.6 kg)	5 lbs. (2.3 kg),	7.9 lbs. (3.6 kg)	5 lbs. (2.3 kg),
			5.7 lbs. (2.6 kg) with KCH-10		5.7 lbs. (2.6 kg) with KCH-10
FCCID					
Type 1	ALH22923110	ALH22933210	ALH22933110	ALH22943210	ALH22943110
Туре 2 Туре 3	ALH22923120 ALH22923130		ALH22933120		ALH22943120 ALH22943130
	AL1122723130				AL1122743130
FCC compliance Type 1	FCC parts 22, 90	FCC parts 22, 74, 90, 90.210	FCC parts 22, 74, 90, 90.210	FCC parts 22, 74, 90, 90.210	FCC parts 22, 74, 90, 90.210
Type 2	FCC parts 22, 90	100 parts 22, 74, 70, 70.210	100 parts 22, 74, 70, 70.210	100 parts 22, 74, 70, 70.210	FCC parts 22, 74, 90, 90.210
Type 3	FCC parts 15, 22, 90				FCC parts 90, 90.210
IC certification					
Type 1	282195519A	282195450A	282195451A	282195446A	282195447A
Type 2	282195532A		282195510A		
Туре 3	282195520A				
RECEIVER (Measurements n	nade per EIA/TIA-204-D)				
Sensitivity					
12 dB SINAD	0.25 μV	0.25 μV	0.25 μV	0.25 μV	0.25 μV
20 dB Quieting	0.35 μV	0.35 µV	0.35 μV	0.35 μV	0.35 μV
Selectivity Wide	85 dB	85 dB	85 dB	85 dB	85 dB
Narrow	00 UB	80 dB	80 dB	77 dB	77 dB
Intermodulation distortion		56 GD	00 00		
Wide	80 dB	80 dB	80 dB	80 dB	80 dB
Narrow		75 dB	75 dB	75 dB	75 dB
Spurious response	90 dB	90 dB	90 dB	90 dB	90 dB
Audio output					
Audio output	13 W at 4 Ω with less than	13 W at 4 Ω with less than	13 W at 4 Ω with less than	13 W at 4 Ω with less than	13 W at 4 Ω with less than
	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with
•	13 W at 4 Ω with less than				
Band spread	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)
Band spread Type 1	 13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 	5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz
Band spread Type 1 Type 2	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz
Band spread Type 1 Type 2 Type 3	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz ints made per EIA-152-C)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz
Band spread Type 1 Type 2 Type 3	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz ints made per EIA-152-C)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz ints made per EIA-152-C)	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz nts made per EIA-152-C) 110 W adjustable to 45 W	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz nts made per EIA-152-C) 110 W adjustable to 45 W	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz nts made per EIA-152-C) 110 W adjustable to 45 W 16KØF3E 80 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 - 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz nts made per EIA-152-C) 110 W adjustable to 45 W 16KØF3E	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 11KØF3E 50 dB
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide Narrow	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz 110 W adjustable to 45 W 16KØF3E 80 dB 55 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB 44 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 11KØF3E 50 dB 44 dB
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz nts made per EIA-152-C) 110 W adjustable to 45 W 16KØF3E 80 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 11KØF3E 50 dB
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide Narrow	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz 110 W adjustable to 45 W 16KØF3E 80 dB 55 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB 44 dB	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 11KØF3E 50 dB 50 dB
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide Narrow Microphone impedance	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz 110 W adjustable to 45 W 16KØF3E 80 dB 55 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 - 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB 50 dB 44 dB 600 Ω Less than 2 % at 1000 Hz	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 50 dB 50 dB 44 dB 600 Ω Less than 2 % at 1000 Hz
Band spread Type 1 Type 2 Type 3 TRANSMITTER (Measureme RF power output Type of emission Wide Narrow Spurious response FM hum and noise Wide Narrow Microphone impedance Audio distortion	13 W at 4 Ω with less than 5 % distortion (12 W 4 Ω with less than 3 % distortion) 7.3 MHz 8.0 MHz 10.0 MHz 110 W adjustable to 45 W 16KØF3E 80 dB 55 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 110 W adjustable to 45 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 26 MHz 20 MHz 45 W adjustable to 5 W 16KØF3E 11KØF3E 80 dB 53 dB 47 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 100 W (75 W in 470 ~ 480 MHz) adjustable to 40 W 16KØF3E 11KØF3E 80 dB 50 dB 44 dB 600 Ω	5 % distortion (12 W 4 Ω with less than 3 % distortion) 20 MHz 20 MHz 20 MHz 40 W adjustable to 5 W 16KØF3E 11KØF3E 11KØF3E 80 dB 50 dB 50 dB 44 dB

Kenwood reserves the right to change specifications and features without prior notice.

KENWOOD CORPORATION

SPECIFICATIONS

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