

Specifications

General Specifications	FTH-2009	FTH-7009
Number of Channels	6 Channels, PC programmable	
Frequency Range	134-151 MHz (A)* 150-163 MHz (B)* 161-174 MHz (C)*	410-430 MHz (AS1)* 450-470 MHz (D)* 490-512 MHz (F)*
Maximum Channel Spread	10 MHz	10 MHz
Channel Spacing	30 kHz	25 kHz
Programmable Channel Step	5.0/6.25 kHz	
Emission Type	16KOF3E	
Power Supply Voltage	7.2/9.6 VDC	
Current Consumption		
Standby	35 mA	40 mA
Receive	200 mA	200 mA
Transmit (Hi)	1200 mA	1500 mA
(Lo)	900 mA	900 mA
Battery Life (5-5-90 duty)	8.0 hrs FNB-21(S)	7.0 hrs FNB-21(S)
Ambient Temperature Range	-30°C to +60°C	
Frequency Stability	5 ppm	
RF Input-Output Impedance	50 ohms	
Audio Output Impedance	8 ohms	
Dimensions	7" x 2.5" x 1.6" (178 x 62 x 39.5 mm) w/FNB-21(S)	
Weight	18 oz. (509 gm) w/FNB-21(S)	

Receiver Specifications		
Circuit Type	Double Conversion Superheterodyne	
Sensitivity		
EIA 12 dB SINAD	0.22 μ V	0.35 μ V
20 dB Quieting	0.35 μ V	0.45 μ V
Threshold Squelch	0.16 μ V	0.16 μ V
Adjacent Channel Selectivity	60 dB	
Intermodulation	60 dB	
Spurious and Image Rejection	60 dB	
Conducted Spurious Emission	-50 dBm	
Audio Response	+3/-8 dB from 6 dB/oct De-emphasize Curve	
Audio Distortion	5%	
Audio Output	.4 W into 8 ohms @ 10% Distortion	
Hum and Noise	40 dB	

Transmitter Specifications		
Power Output	4.5 W w/FNB-21(S), 2.0 W w/FNB-19	4.0 W w/FNB-21(S), 2.0 W w/FNB-19
Modulation System	Phase Modulation	
Maximum Deviation	\pm 5 kHz	
Conducted Spurious Emission	-60 dBc	
FM Hum and Noise	-40 dB	
Audio Response	+1/-3 dB from 6 dB/oct Pre-emphasis Curve	
Audio Distortion	5%	

Accessories		
Ni-Cad Battery Pack		
FNB-21(S)	9.6 V 800 mAh	9.6 V 800 mAh
FNB-19	7.2 V 1000 mAh	7.2 V 1000 mAh
FTS-20	CTCSS tone squelch unit	
FTT-6	DTMF keypad encoder unit	
MH-12A2B	External speaker/microphone	
MH-18A2B	Miniature ext. hand speaker/microphone	
MH-19A2B	Earphone and microphone	
CD-4	Desktop rapid charger	
NC-38B	117 V AC wall charger for FNB-21(S)	
NC-38C	220-234 V AC wall charger for FNB-21(S)	
NC-34B	117 V AC wall charger for FNB-19	
NC-34C	220-234 V AC wall charger for FNB-19	
LCC-9	Leather case	
LCS-2	Swivel mount for LCC-9	

*Tunable Range.



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Measurements per EIA standards unless noted above.
Specifications subject to change without notice or obligation.

P6C/10/94/20M