



Technical Data

TYPE 725 UHF RECEIVER, SPECIFICATIONS

Type of Reception	AM, FM, and CW
Frequency Range	235-500 mc in one band
Dial Accuracy	±1%
Fine Tuning	Front-panel control provided for vernier tuning
Input Impedance	50 ohms, type N connector
Noise Figure	10 db, maximum
Image Rejection	65 db, minimum
I.F. Rejection	80 db, minimum
Oscillator Radiation at Antenna Input	8 μ v, maximum
Local Oscillator Frequencies	
First Local Oscillator	Incoming signal plus 60 mc
Second Local Oscillator	81.4 mc, crystal controlled
Intermediate Frequencies	60 mc and 21.4 mc
I.F. Bandwidth	300 kc
Sensitivity	AM: 8 μ v, modulated 50% at 1-kc rate, produces at least 10 db (s plus n)/n ratio
	FM: 8 μ v, modulated at 1-kc rate with 100-kc deviation, produces at least 21 db (s plus n)/n ratio
Output Stability	AM: Output varies less than 4 db for an input range of 4 μ v to 1 mv
	FM: Output varies less than 2 db for input levels greater than 3 μ v
Manual Gain Control Range	Greater than 100 db in AM/MAN and CW modes
Video Output	1.5 volts, rms, across 600 ohms when input signal deviated 20 kc. Amplifier response: Less than 3-db variation from 40 cps to 50 kc
Audio Output	100 mw into 600 ohms. Amplifier response, 100 cps to 40 kc at 3 db points.
Beat Frequency Oscillator	Crystal-controlled at 21.4 mc
Signal Monitor Output	21.4 mc center frequency output signal
Front Panel Controls	Function: FM, AM/AGC, AM/MAN, CW; VIDEO GAIN; POWER: ON-OFF; AUDIO GAIN; FINE TUNING; IF GAIN; BFO TUNING

Meters	Tuning and Signal Strength
Power Input	115/230 volts, 50-400 cps
Power Consumption	50 watts maximum
Weight	18 lbs.
Size	3.5-inches high, 19-inches wide, and 15-inches deep

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