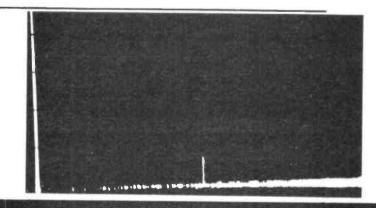
Icom IC-45E (70cm)	OUR OBSERVATIONS
0.16u∨ across the entire band	This the basic measure of sensitivity. Both sets are satisfactory when compared against other products in the same category although neither is particularly outstanding
13dB at +1.3kHz	These figures show that the receiver section is happiest operating just over 1kHz off frequency in each case. It's not too important but both sets could do with a slight tweak
0.55mV/0.6mV at 25 and 50kHz spacing	These figures indicate an intermodulation performance (one measure of dynamic range) of just over 77dB for the IC-25E and 71dB for the IC-45E. Once again they are just about satisfactory although several mobiles operating from the same hilltop would almost certainly cause some problems when trying to copy weak signals. For instance, if you were listening on S20 and other stations within a few hundred yards were transmitting simultaneously on S21 and S22, there would be problems
66 and 68dB noted at 25kHz separation; 74 and 75dB noted at 50kHz separation	Satisfactory
2.3% total harmonic distortion	Satisfactory perhaps a little more distortion than one might expect
1.6W for 10% distortion measured into 8 ohms	Satisfactory
0.45u∨, 2.0u∨, 3.0u∨, 4.2u∨	The S meter characteristic on both the 2m and 70cm sets is very poor. Ideally S meter response should require a 6dB signal increase per division. The meters in the review sets cramp everything into the first few microvolts and, as the testing lab says, are good only for signal detection
440mA, 530mA	ок
No problems were experienced with this set	We think that the problem of speaker rattle in the IC-25E was a one off problem associated with the review sample
Initially 200Hz error (not influenced by supply voltage) which drifted to —600Hz by the end of this test	These frequency errors are insignificant in the FM mode. Overall frequency accuracy excellent
Within 50Hz of repeater shift frequency	Comments as above
11.6W, 11.7W, 11.4W	Completely satisfactory
11,9W, 12.1W, 11.6W	Comments as above
2W	All aspects of TX operation were faultiess. The output spectrum is exceptionally clean and the deviation control would meet a PMR specification. Very good
3A	
2nd harmonic —63dB, 3rd harmonic —75 dB; no spuril detected at —75dB noise floor	
Satisfactory	OUR CONCLUSIONS
2nd and 3rd harmonics improved to -70 dB and -75dB respectively	These two sets from Icom certainly fulfil their intended application. Frankly we
5kHz maximum deviation	have not yet put enough sets through our testing procedure to make extended cost

These two sets from Icom certainly fulfil their intended application. Frankly we have not yet put enough sets through our testing procedure to make extended cost performance comparisions. With one or two reservations about receiver performance, we can otherwise say that they meet the manufacturer's specifications and should prove entirely satisfactory in service as a car mounted mobile rig.

They are compact, fairly easy to use and have enough facilities to function as a base station and the slight RX performance criticisms would be mostly un-noticeable in practice. Reasonable value for money. G4JST

The review sets were provided by Thanet Electronics Ltd.

Prices are not available at the time of writing due to a downward fluctuation in the value of the pound. Check with Thanet for details.



Accurate within 1Hz

Satisfactory