

iCN 720 / 750 Test Procedure

The above mentioned devices were testing in accordance with FCC part 15 section 15.249.

To assist with this testing reference was made to ANSI C63.4, 2003.

The devices are short range transmitters operating in the range 2400 – 2483.5 MHz.

Normal operations mean that the transmitter only transmits an acknowledgement signal to remote control transmitters once the remote transmitter has interrogated the iCN device.

In order to test the FSK signal from the device the client enabled the transmitters to transmit almost continuously using a test programme which also enabled the changing of the operating frequency to one of the 6 programmed channels.

Testing was carried out at the open area test site using a measuring receiver, spectrum analyser and various antennas where applicable.

Where possible all emission measurements were made at a distance of 3 metres however this distance was reduced to 1 metre in order to determine whether any of the transmitter spurious emissions could be detected.

Testing was also carried out in standby mode, transmitter turned off, with the iCN devices being powered at either 12 Vdc or 110 Vac with various ancillary items attached as this device can operate in a number of different modes.